

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005468.D
 Acq On : 22 Oct 2018 14:19
 Operator : JC/MD
 Sample : VX1022WBS01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/23/2018 1:27:55 PM

Quant Time: Oct 23 01:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	246035	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	338959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	294405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170557	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	135616	49.66	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	99.32%	
35) Dibromofluoromethane	5.50	113	110658	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
50) Toluene-d8	8.71	98	389122	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
62) 4-Bromofluorobenzene	11.14	95	148980	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	40845	21.233	ug/l	96
3) Chloromethane	1.32	50	50898	18.260	ug/l	95
4) Vinyl Chloride	1.40	62	48919	17.325	ug/l	89
5) Bromomethane	1.64	94	32621	20.801	ug/l	86
6) Chloroethane	1.71	64	34301	19.572	ug/l	100
7) Trichlorofluoromethane	1.92	101	75569	20.055	ug/l	99
8) Diethyl Ether	2.19	74	29789	18.513	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.38	101	45084	20.729	ug/l	95
10) Methyl Iodide	2.51	142	45488	20.614	ug/l	98
11) Tert butyl alcohol	3.07	59	81186	105.400	ug/l	99
12) 1,1-Dichloroethene	2.37	96	41354	19.191	ug/l	86
13) Acrolein	2.29	56	33430	66.425	ug/l	93
14) Allyl chloride	2.73	41	95908	20.272	ug/l	96
15) Acrylonitrile	3.15	53	177278	101.564	ug/l	97
16) Acetone	2.45	43	160880	101.900	ug/l #	86
17) Carbon Disulfide	2.56	76	114083	17.477	ug/l	98
18) Methyl Acetate	2.78	43	99647	22.185	ug/l	91
19) Methyl tert-butyl Ether	3.20	73	156690	20.646	ug/l	100
20) Methylene Chloride	2.85	84	49526	20.764	ug/l	87
21) trans-1,2-Dichloroethene	3.16	96	44731	18.731	ug/l	94
22) Diisopropyl ether	3.86	45	177863	22.383	ug/l #	77
23) Vinyl Acetate	3.82	43	745683	107.363	ug/l	95
24) 1,1-Dichloroethane	3.69	63	92005	20.202	ug/l	97
25) 2-Butanone	4.71	43	234922	101.699	ug/l #	87
26) 2,2-Dichloropropane	4.59	77	73703	21.639	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	49642	19.128	ug/l	82
28) Bromochloromethane	5.01	49	46211	22.258	ug/l	94
29) Tetrahydrofuran	5.15	42	157949	107.195	ug/l	92
30) Chloroform	5.21	83	92262	21.826	ug/l	95
31) Cyclohexane	5.57	56	72957	19.437	ug/l #	81
32) 1,1,1-Trichloroethane	5.50	97	76805	20.882	ug/l	98
36) 1,1-Dichloropropene	5.80	75	59664	18.175	ug/l	97
37) Ethyl Acetate	4.85	43	87543	20.736	ug/l	98
38) Carbon Tetrachloride	5.78	117	63744	19.325	ug/l	94

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Manual Integrations
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Quant Time: Oct 23 01:42:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	64657	18.198	ug/l	91
40) Benzene	6.15	78	182338	18.516	ug/l	95
41) Methacrylonitrile	5.06	41	46285	20.450	ug/l	96
42) 1,2-Dichloroethane	6.20	62	67025	19.275	ug/l	98
43) Isopropyl Acetate	6.46	43	118110	21.002	ug/l	95
44) Trichloroethene	7.21	130	47627	18.550	ug/l	93
45) 1,2-Dichloropropane	7.52	63	48205	19.955	ug/l	100
46) Dibromomethane	7.66	93	30407	19.072	ug/l	99
47) Bromodichloromethane	7.90	83	59656	20.229	ug/l	98
48) Methyl methacrylate	7.77	41	58908	20.196	ug/l	94
49) 1,4-Dioxane	7.75	88	25620	380.826	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	411977	105.798	ug/l	93
52) Toluene	8.79	92	109021	20.236	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	65145	20.412	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	70850	20.488	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	46809	20.513	ug/l	94
56) Ethyl methacrylate	9.18	69	67985	20.437	ug/l	93
57) 1,3-Dichloropropane	9.37	76	77561	20.364	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	195729	104.913	ug/l	94
59) 2-Hexanone	9.49	43	328259	104.797	ug/l	92
60) Dibromochloromethane	9.59	129	48704	20.648	ug/l	99
61) 1,2-Dibromoethane	9.67	107	48552	20.274	ug/l	98
64) Tetrachloroethene	9.34	164	49846	21.031	ug/l	95
65) Chlorobenzene	10.14	112	125245	20.000	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.22	131	46694	20.924	ug/l	99
67) Ethyl Benzene	10.25	91	210149	20.642	ug/l	96
68) m/p-Xylenes	10.36	106	163485	41.374	ug/l	93
69) o-Xylene	10.70	106	77645	20.375	ug/l	95
70) Styrene	10.71	104	131910	21.044	ug/l	97
71) Bromoform	10.86	173	39094	19.603	ug/l #	98
73) Isopropylbenzene	11.02	105	219437	21.643	ug/l	99
74) N-amyl acetate	10.90	43	101605	20.777	ug/l	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	76408	19.977	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	72355m	21.871	ug/l	
77) Bromobenzene	11.26	156	59468	20.513	ug/l	100
78) n-propylbenzene	11.36	91	253751	21.749	ug/l	98
79) 2-Chlorotoluene	11.42	91	151511	21.204	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	185915	21.412	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	21426	19.678	ug/l	96
82) 4-Chlorotoluene	11.51	91	179230	21.159	ug/l	100
83) tert-Butylbenzene	11.77	119	182768	20.787	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	191603	21.444	ug/l	97
85) sec-Butylbenzene	11.94	105	224601	21.586	ug/l	99
86) p-Isopropyltoluene	12.07	119	202239	21.504	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	110274	20.356	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	112389	20.280	ug/l	98
89) n-Butylbenzene	12.39	91	179430	21.013	ug/l	97
90) Hexachloroethane	12.60	117	31360	19.349	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	111116	20.100	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	18342	19.660	ug/l	95

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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	83197	20.513	ug/l	99
94) Hexachlorobutadiene	13.79	225	42991	20.070	ug/l	97
95) Naphthalene	13.83	128	246096	20.922	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	85763	20.666	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

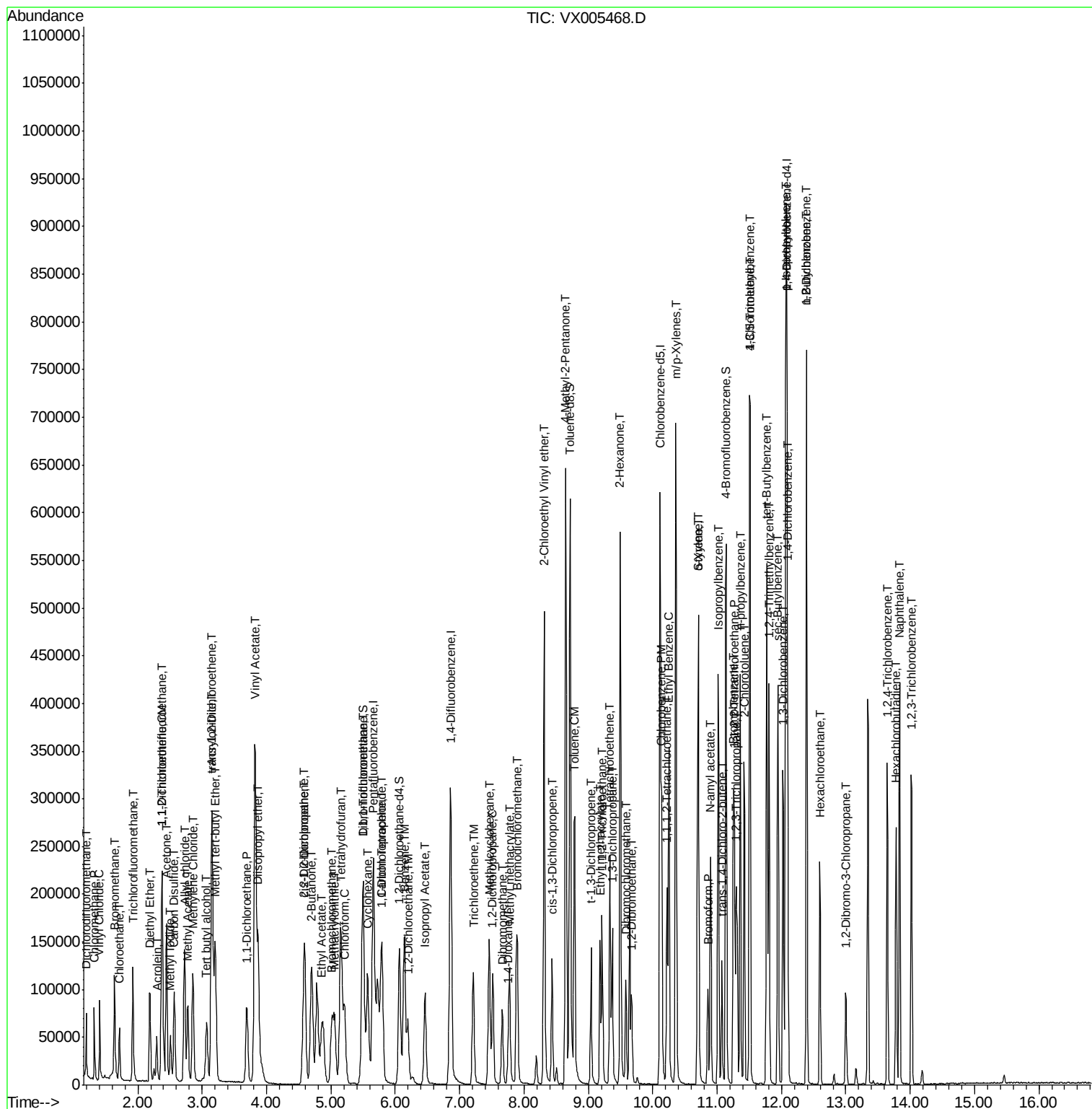
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Data File : VX005468.D
Acq On : 22 Oct 2018 14:19
Operator : JC/MD
Sample : VX1022WBS01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 4 Sample Multiplier: 1

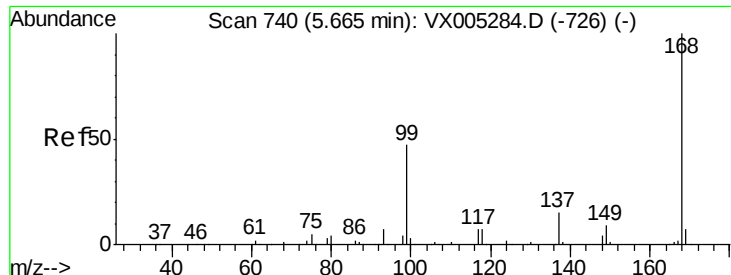
Instrument :
MSVOA_X
Client Sample ID :
VX1022WBS01

Manual Integrations
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Quant Title : SW846 8260
QLast Update : Fri Oct 12 11:28:43 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion:168 Resp: 246035

Ion Ratio Lower Upper

168 100

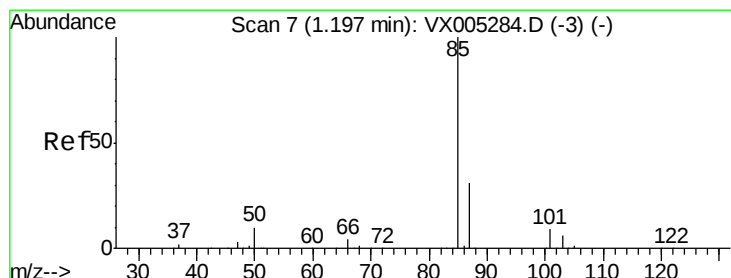
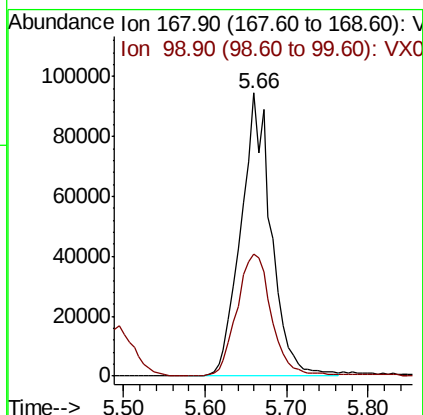
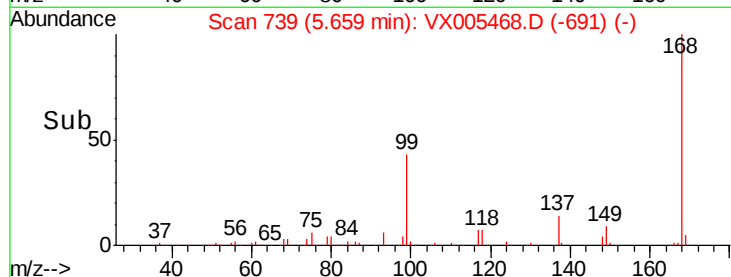
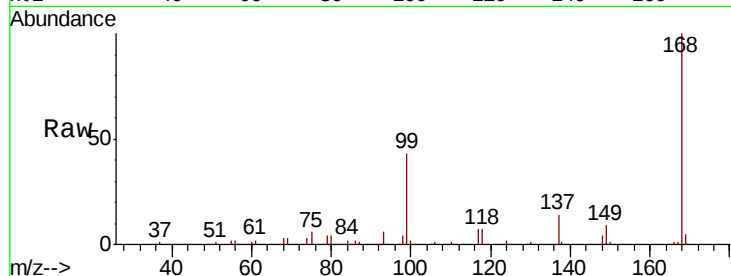
99 43.2 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 21.233 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005468.D

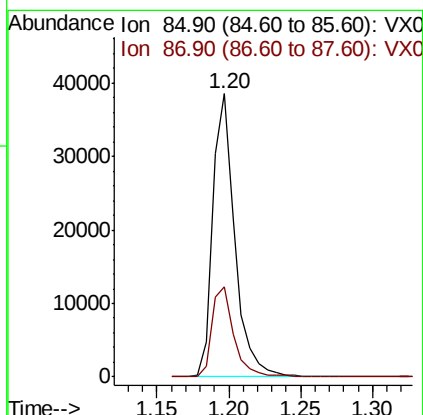
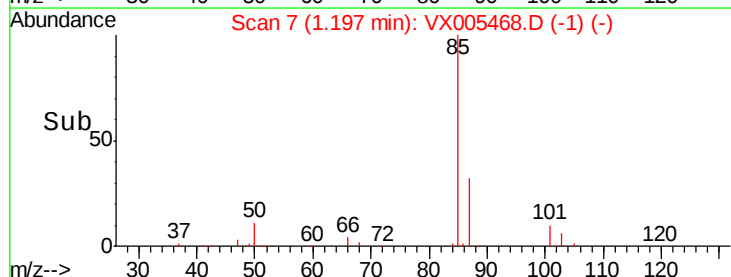
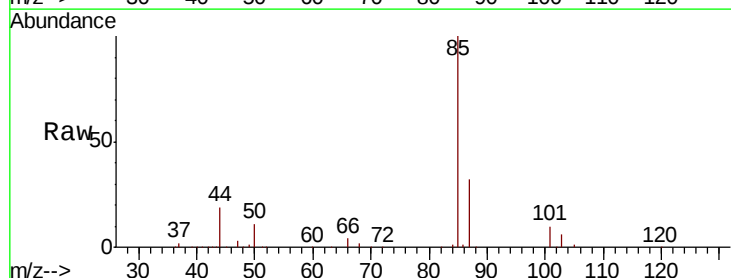
Acq: 22 Oct 2018 14:19

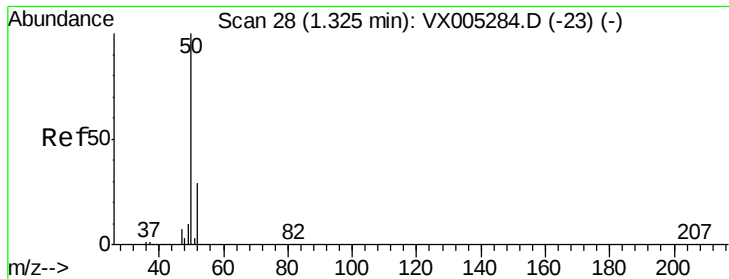
Tgt Ion: 85 Resp: 40845

Ion Ratio Lower Upper

85 100

87 31.6 17.0 50.9





#3

Chloromethane

Concen: 18.260 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion: 50 Resp: 50898

Ion Ratio Lower Upper

50 100

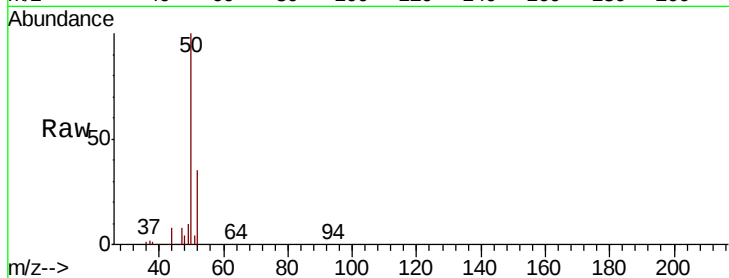
52 35.5 26.2 39.2

Manual Integrations

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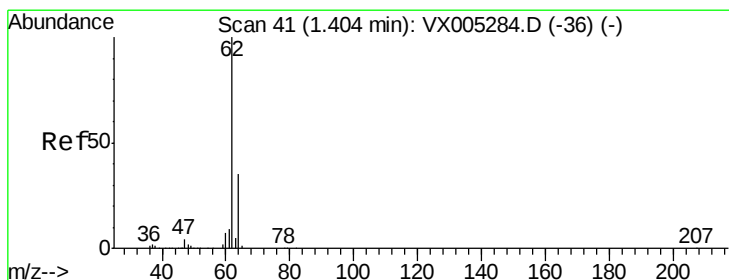
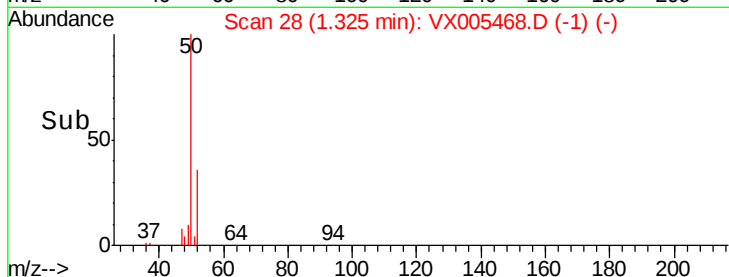
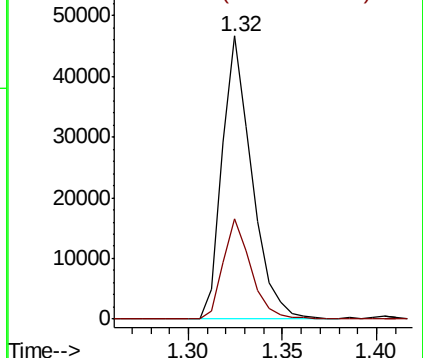
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 17.325 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005468.D

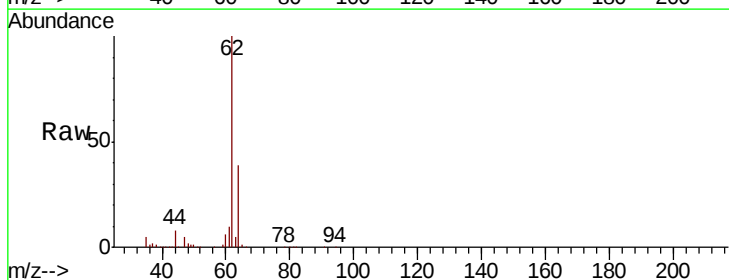
Acq: 22 Oct 2018 14:19

Tgt Ion: 62 Resp: 48919

Ion Ratio Lower Upper

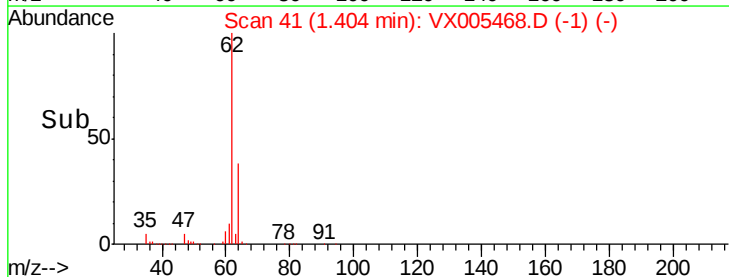
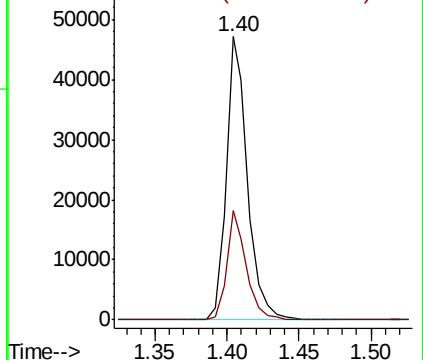
62 100

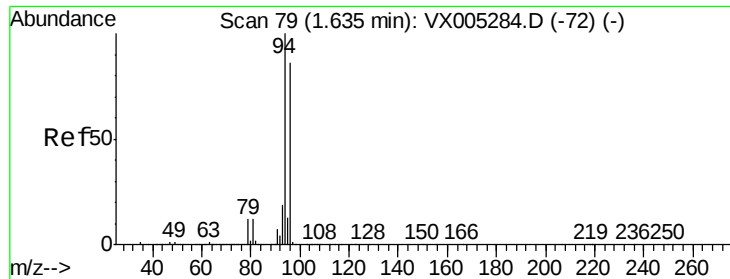
64 38.6 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 20.801 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Tot Ion: 94 Resp: 32621

Ion Ratio Lower Upper

94 100

96 106.7 74.5 111.7

Instrument :

MSVOA_X

ClientSampleId :

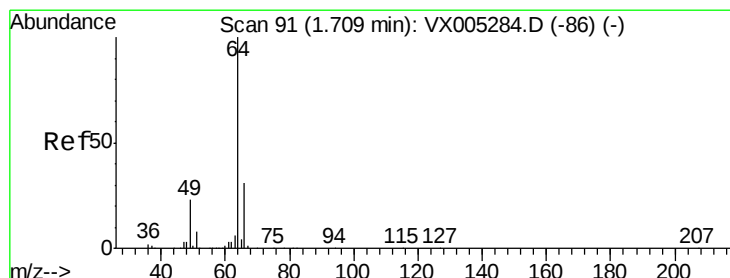
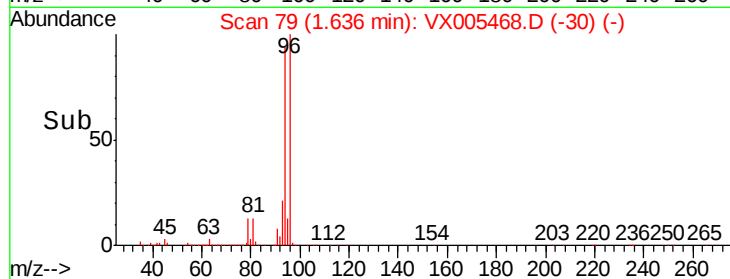
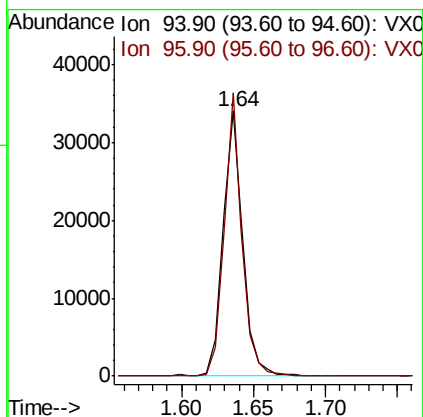
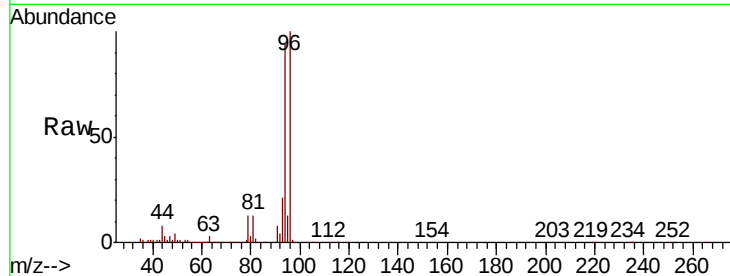
VX1022WBS01

Manual Integrations

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#6

Chloroethane

Concen: 19.572 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005468.D

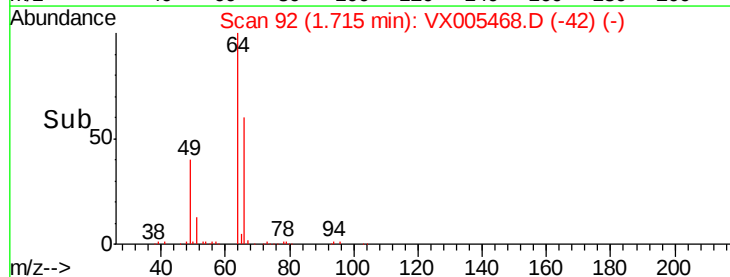
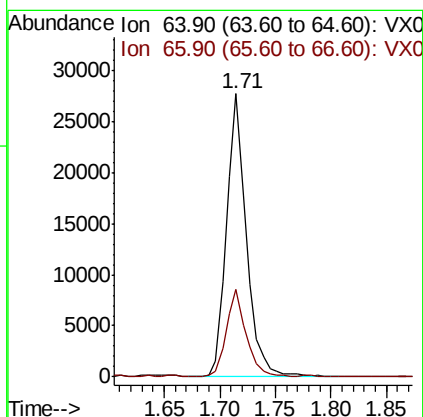
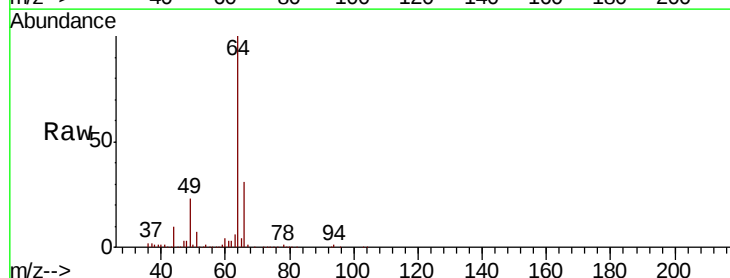
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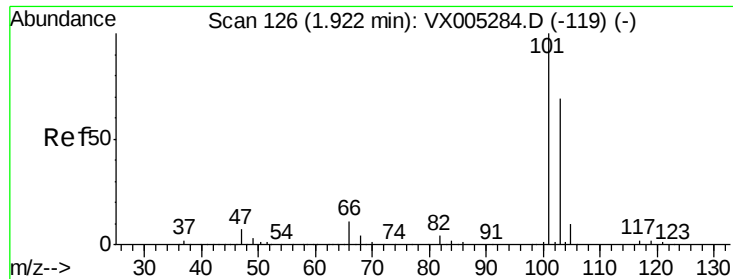
Tgt Ion: 64 Resp: 34301

Ion Ratio Lower Upper

64 100

66 30.7 24.6 36.8





#7

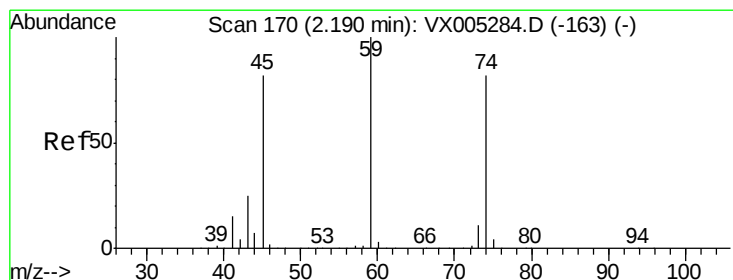
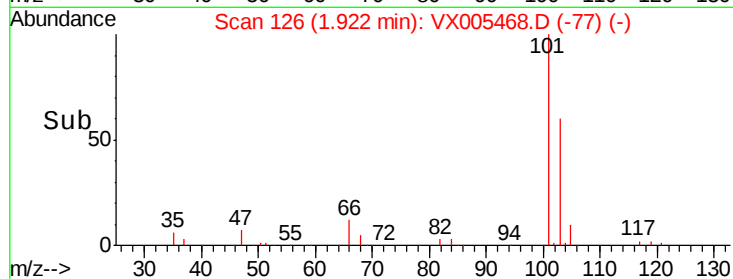
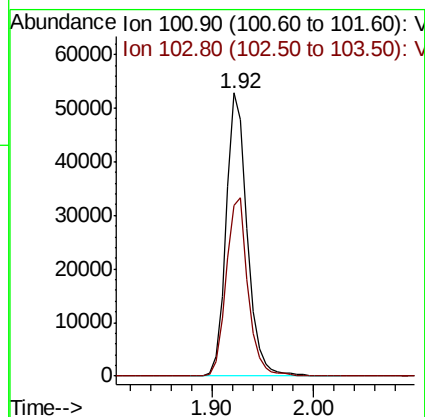
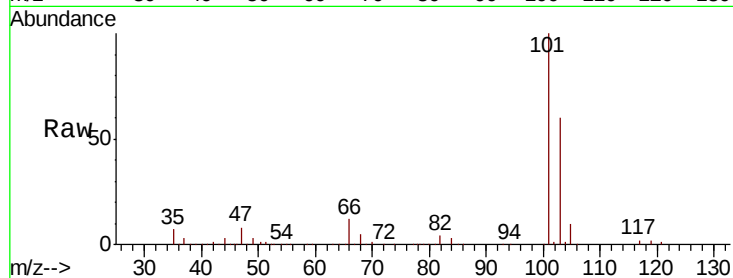
Trichlorofluoromethane
 Concen: 20.055 ug/l
 RT: 1.92 min Scan# 126
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	60.1	48.9	73.3

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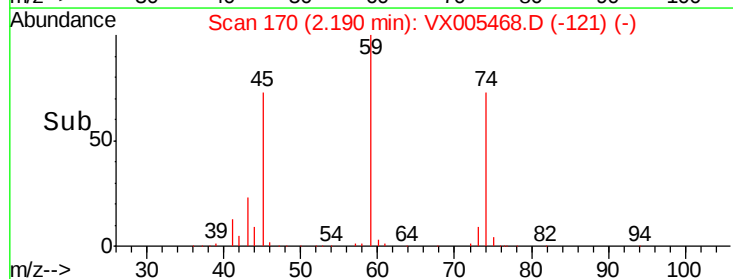
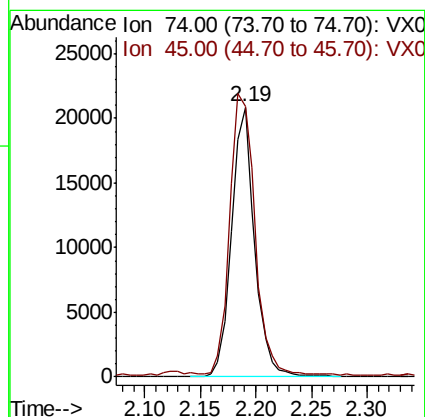
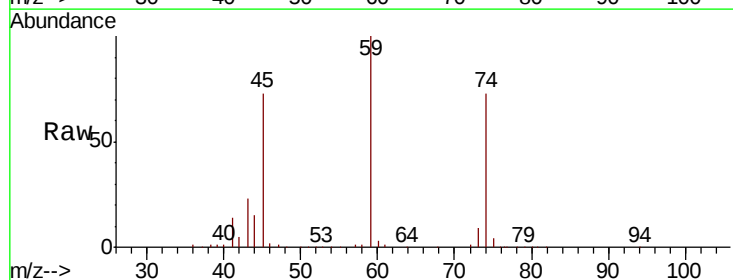
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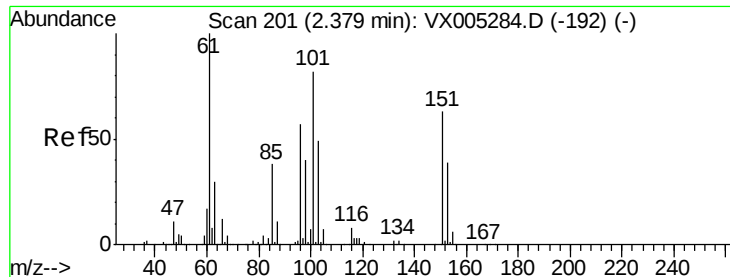


#8

Diethyl Ether
 Concen: 18.513 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	116.5	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.729 ug/l

RT: 2.38 min Scan# 201

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

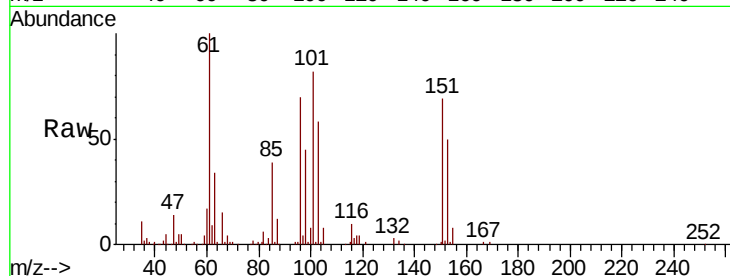
ClientSampleId :

VX1022WBS01

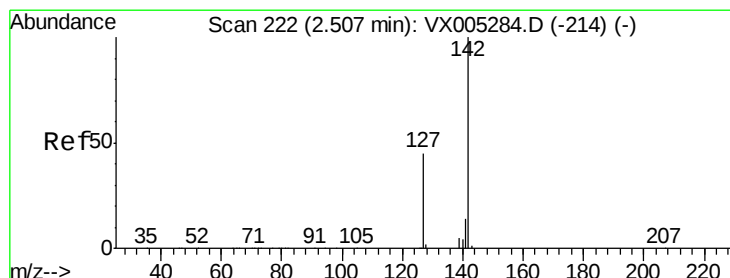
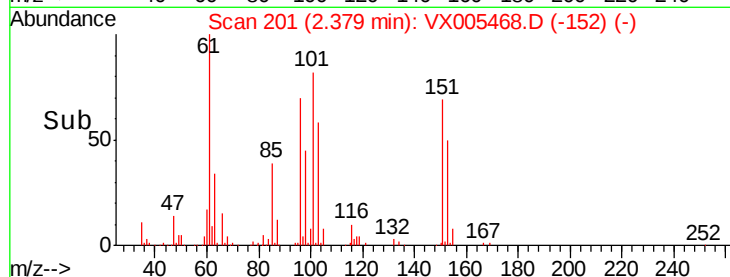
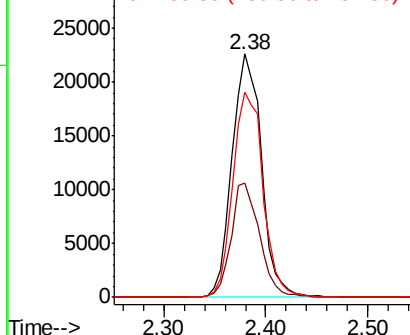
Tot Ion:	101	Resp:	45084
Ion Ratio	Lower	Upper	
101	100		
85	45.2	34.2	51.4
151	86.1	65.0	97.6

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): VX0
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.614 ug/l

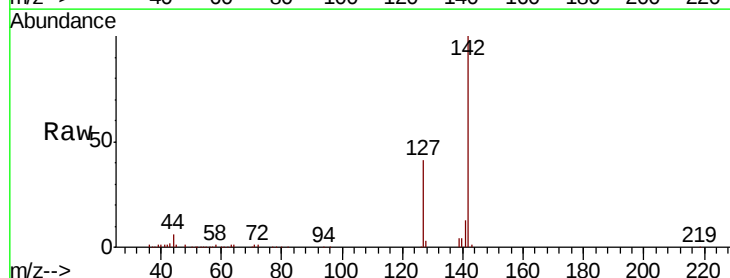
RT: 2.51 min Scan# 222

Delta R.T. 0.00 min

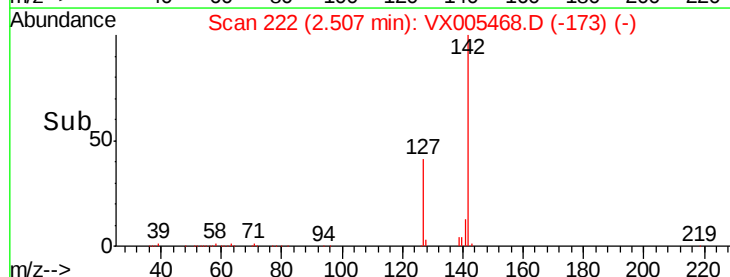
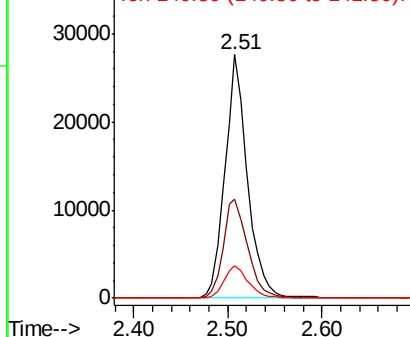
Lab File: VX005468.D

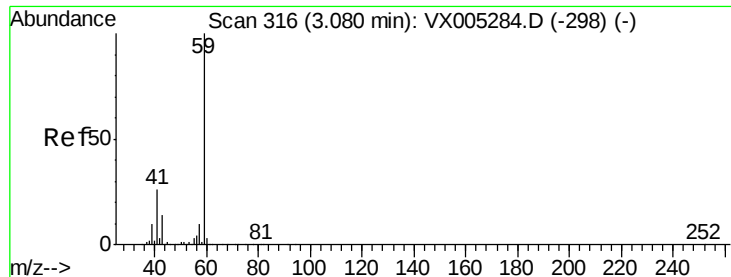
Acq: 22 Oct 2018 14:19

Tgt Ion:	142	Resp:	45488
Ion Ratio	Lower	Upper	
142	100		
127	43.8	33.8	50.6
141	14.2	11.4	17.0



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

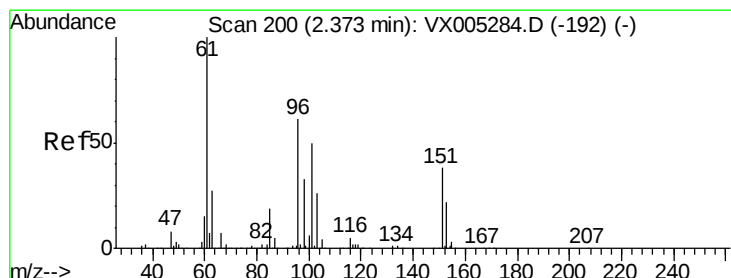
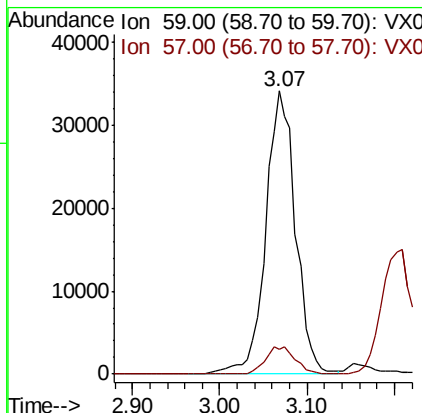
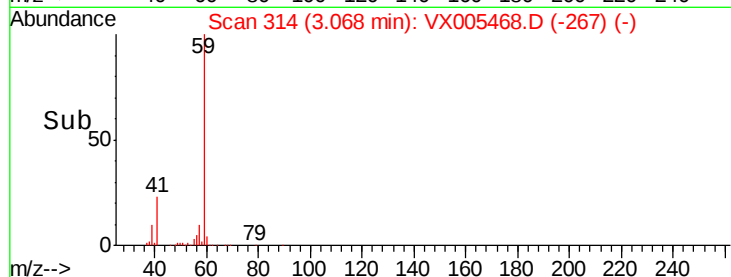
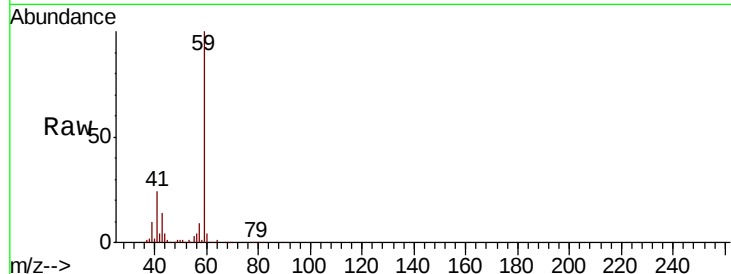
Tert butyl alcohol
Concen: 105.400 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

Manual Integrations
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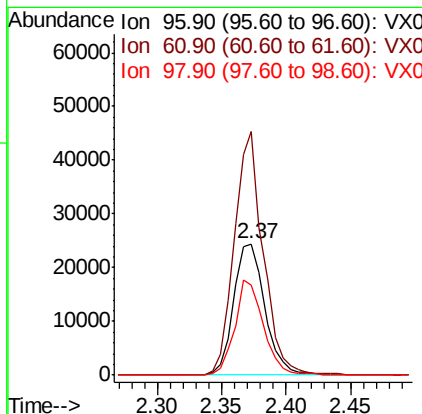
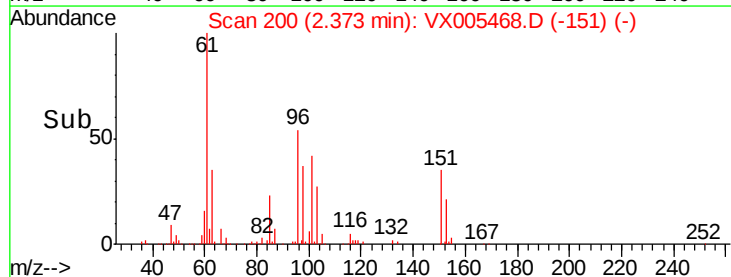
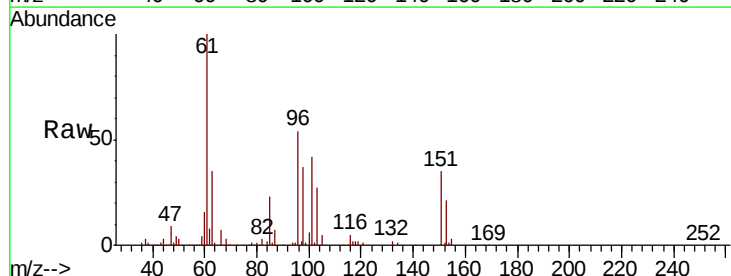
MMDadoda
10/23/2018 1:27:55 PM

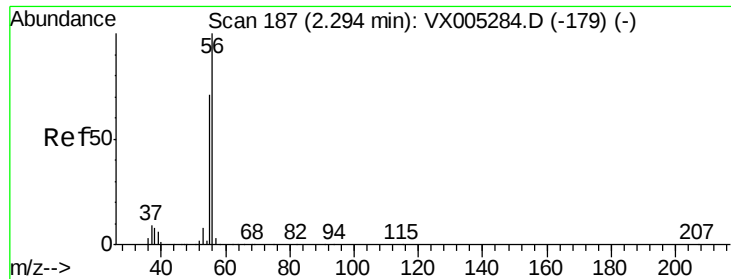


#12

1,1-Dichloroethene
Concen: 19.191 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	185.3	128.8	193.2
98	68.3	52.2	78.2





#13

Acrolein

Concen: 66.425 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion: 56 Resp: 33430

Ion Ratio Lower Upper

56 100

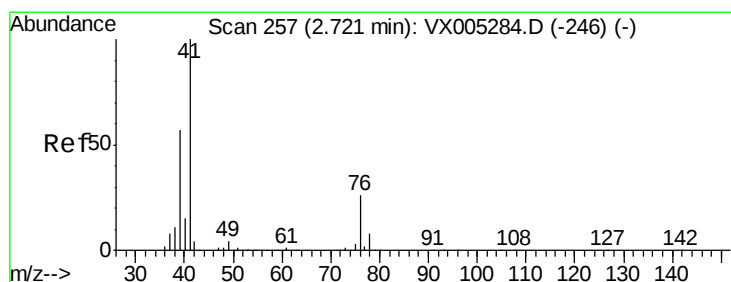
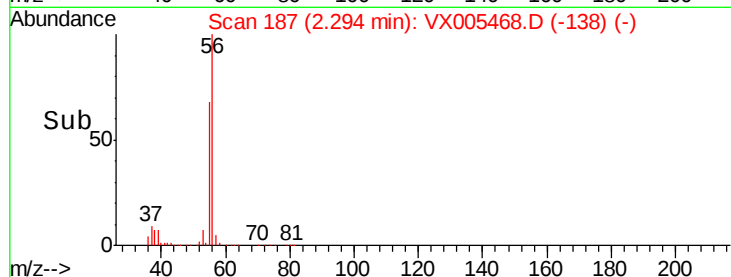
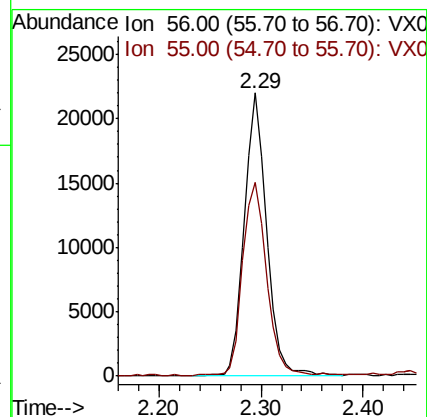
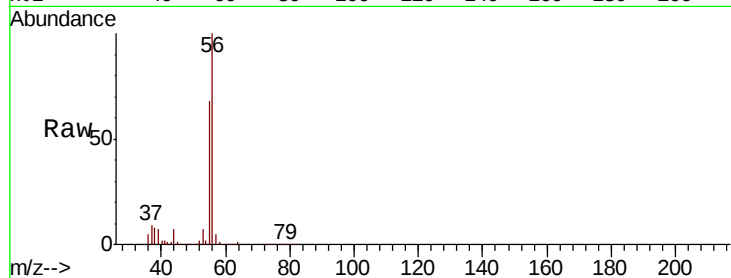
55 73.9 54.7 82.1

Manual Integrations

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#14

Allyl chloride

Concen: 20.272 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

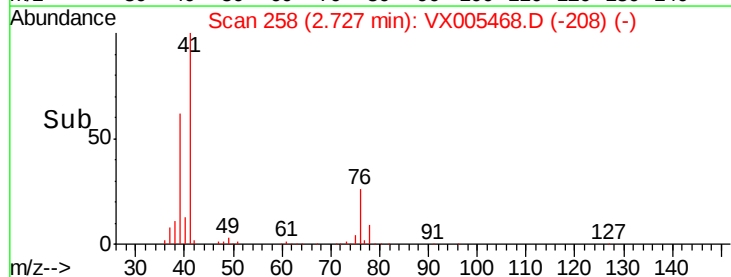
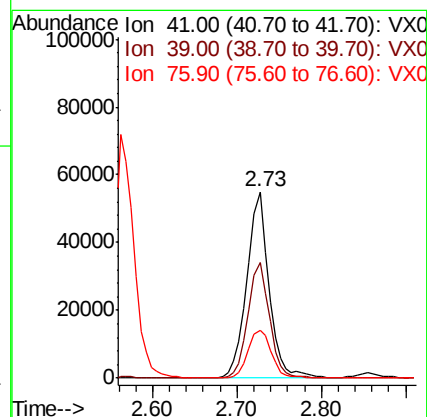
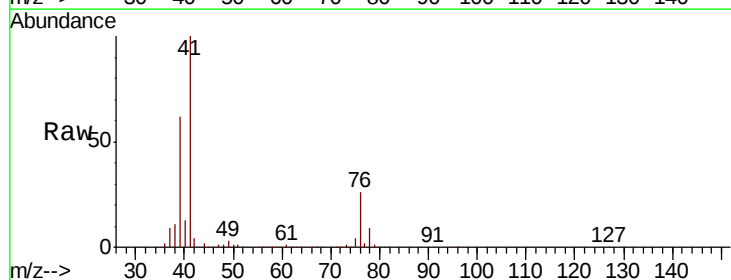
Tgt Ion: 41 Resp: 95908

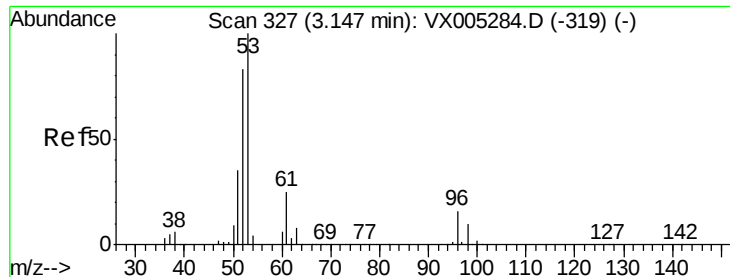
Ion Ratio Lower Upper

41 100

39 60.5 48.9 73.3

76 27.5 26.7 40.1





#15

Acrylonitrile

Concen: 101.564 ug/l

RT: 3.15 min Scan# 327

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

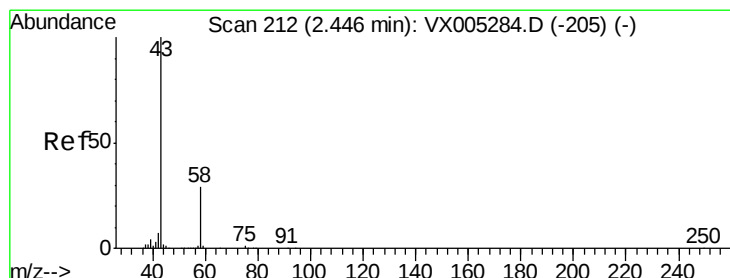
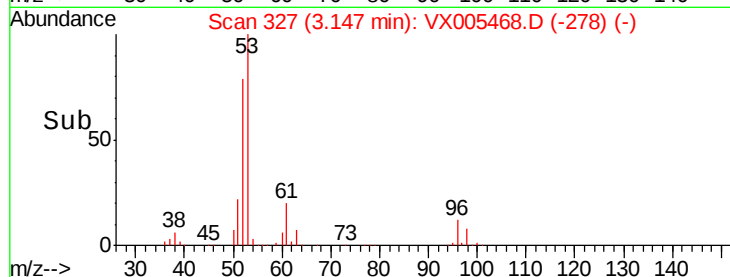
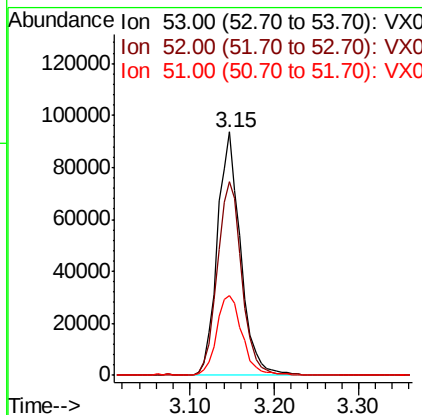
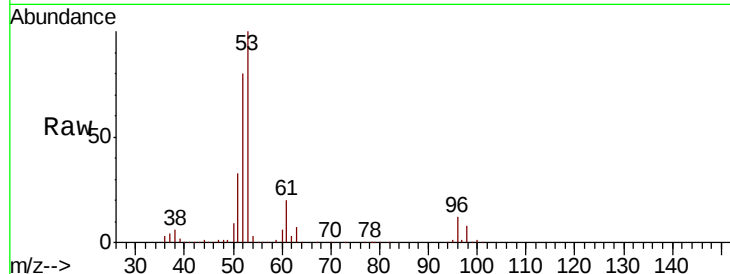
ClientSampleId :

VX1022WBS01

Tot Ion:	53	Resp:	177278
Ion Ratio	Lower	Upper	
53	100		
52	83.8	65.2	97.8
51	37.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 101.900 ug/l

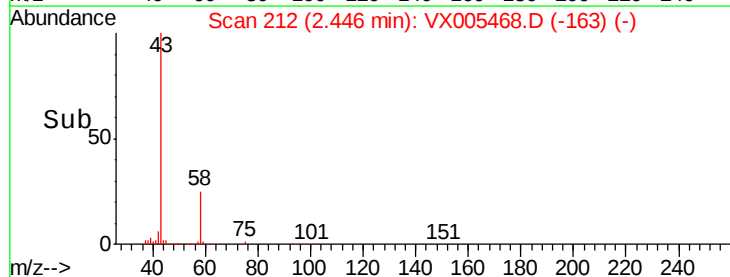
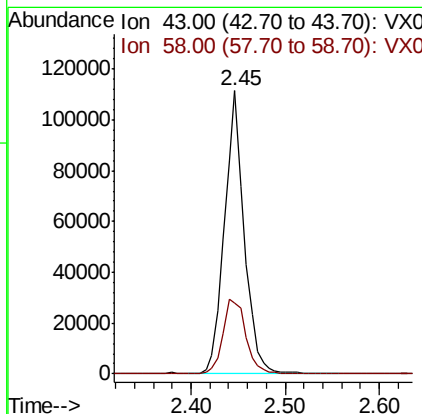
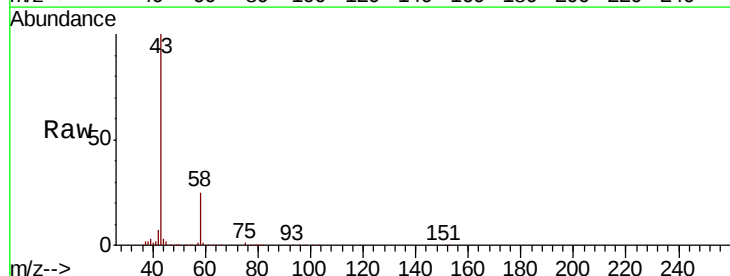
RT: 2.45 min Scan# 212

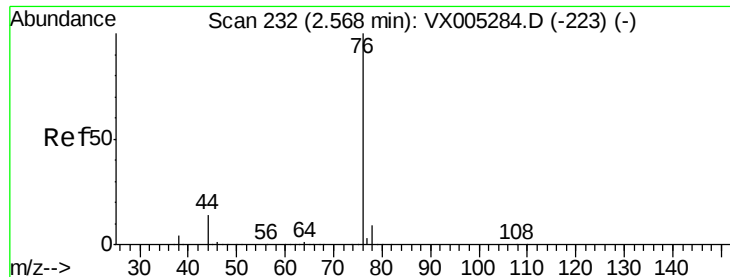
Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Tgt Ion:	43	Resp:	160880
Ion Ratio	Lower	Upper	
43	100		
58	24.9	26.2	39.4#





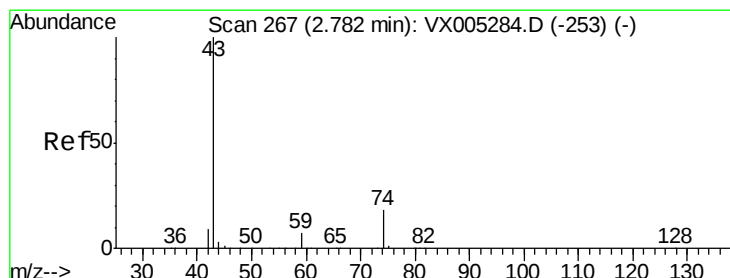
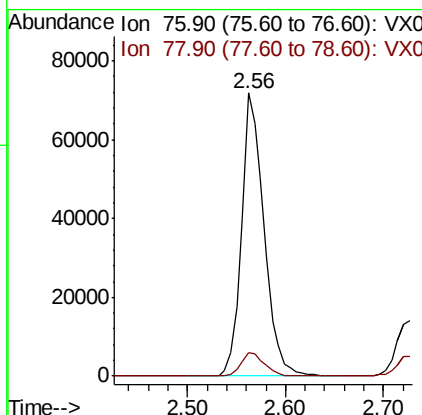
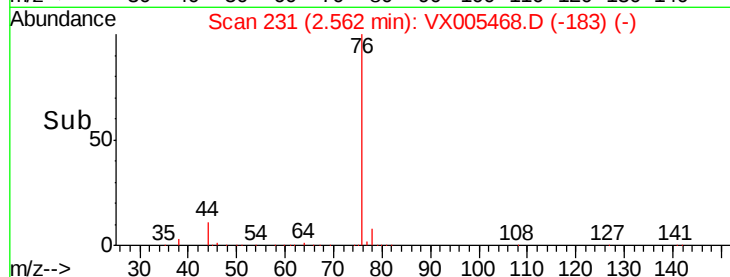
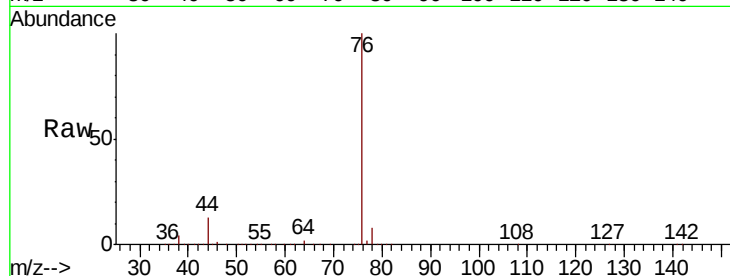
#17
Carbon Disulfide
Concen: 17.477 ug/l
RT: 2.56 min Scan# 231
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion: 76 Resp: 114083
Ion Ratio Lower Upper
76 100
78 8.3 7.0 10.6

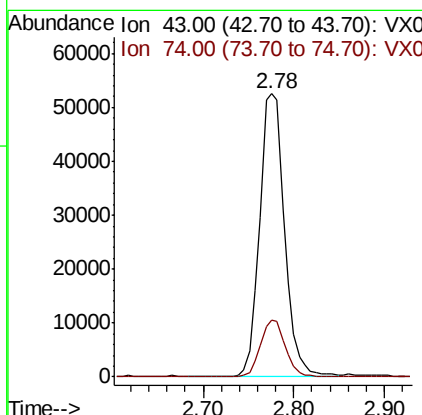
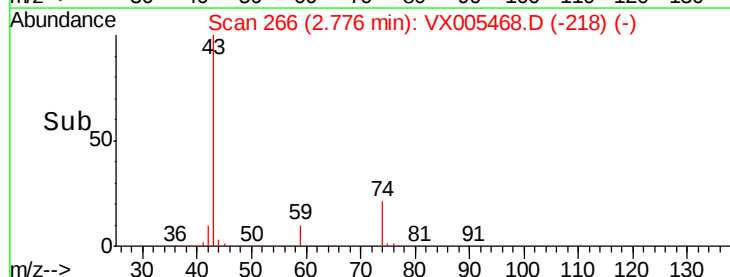
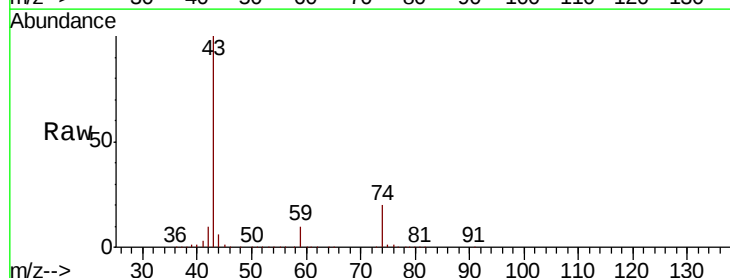
Manual Integrations
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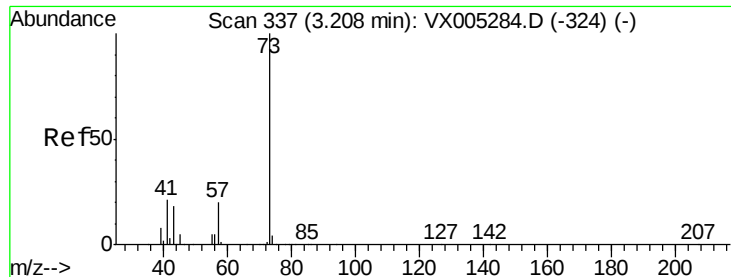
MMDadoda
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#18
Methyl Acetate
Concen: 22.185 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion: 43 Resp: 99647
Ion Ratio Lower Upper
43 100
74 19.7 19.4 29.2





#19

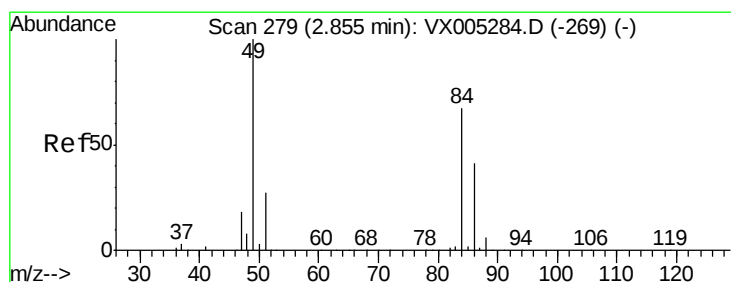
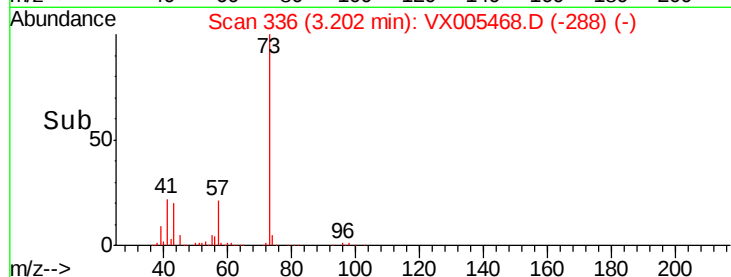
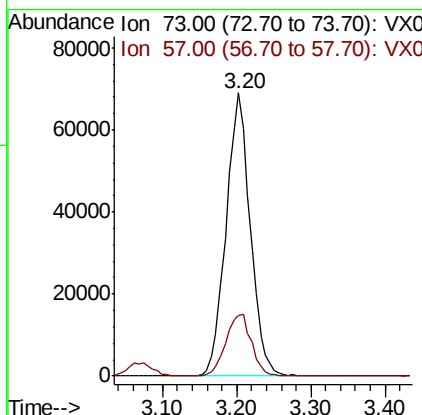
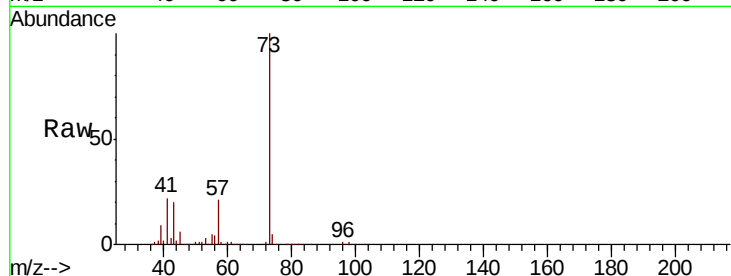
Methyl tert-butyl Ether
 Concen: 20.646 ug/l
 RT: 3.20 min Scan# 336
 Delta R.T. -0.01 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	17.1	25.7

Manual Integrations
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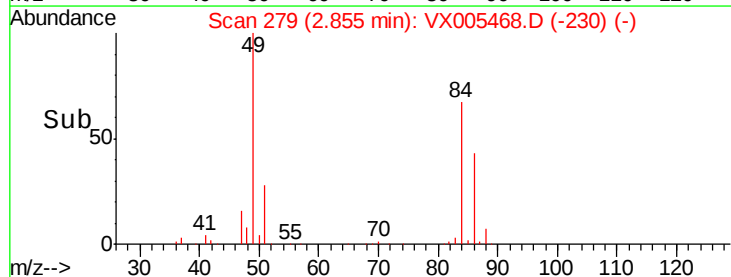
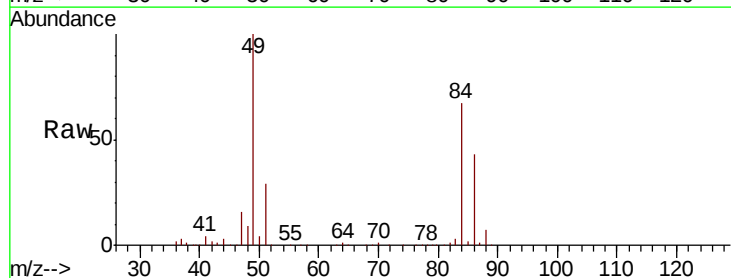
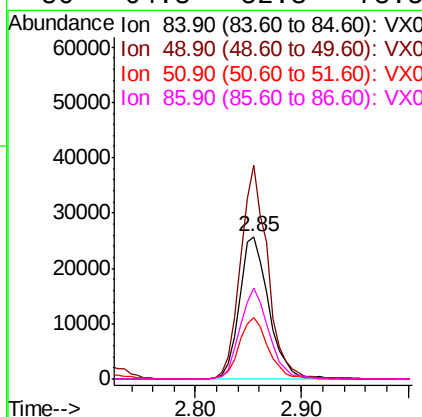
MMDadoda
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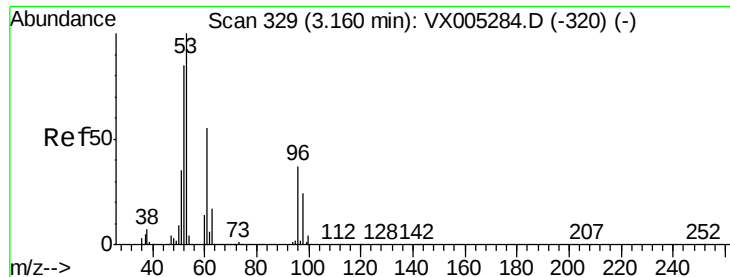


#20

Methylene Chloride
 Concen: 20.764 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	149.7	101.2	151.8
51	42.7	29.5	44.3
86	64.3	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 18.731 ug/l

RT: 3.16 min Scan# 329

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

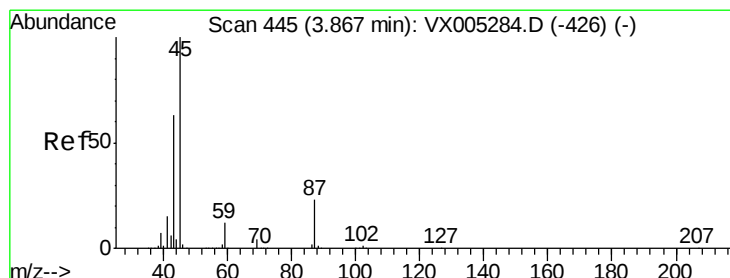
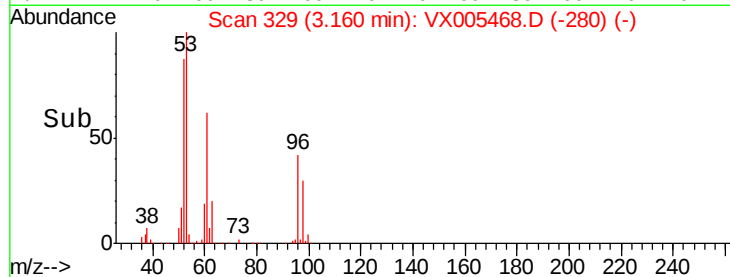
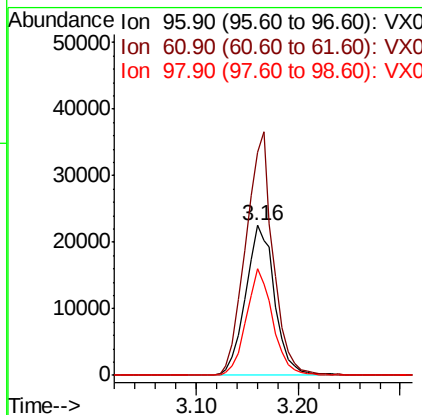
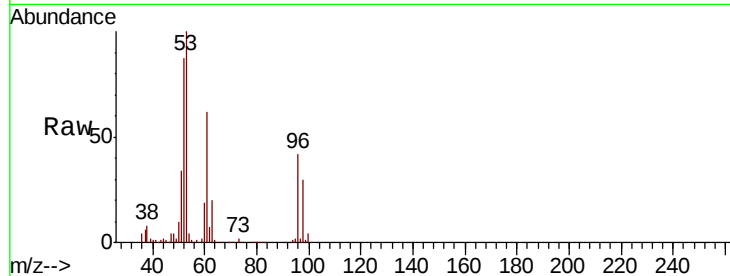
ClientSampleId :

VX1022WBS01

Tot Ion:	96	Resp:	44731
Ion	Ratio	Lower	Upper
96	100		
61	148.5	113.8	170.6
98	71.3	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 22.383 ug/l

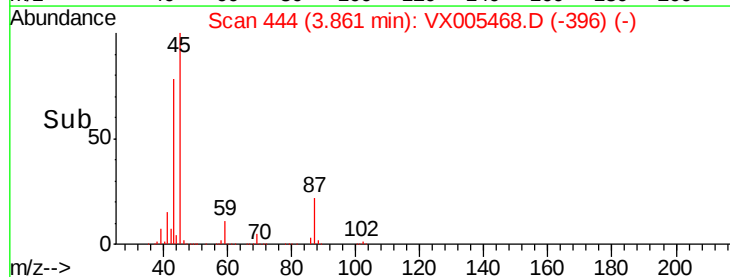
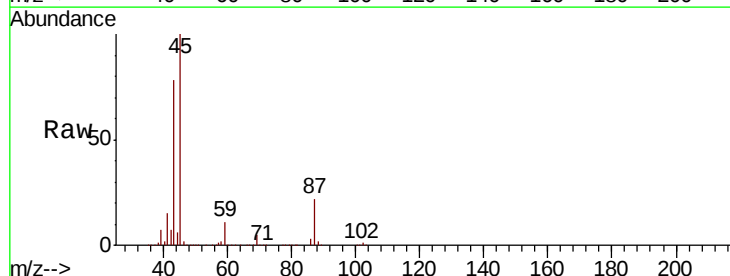
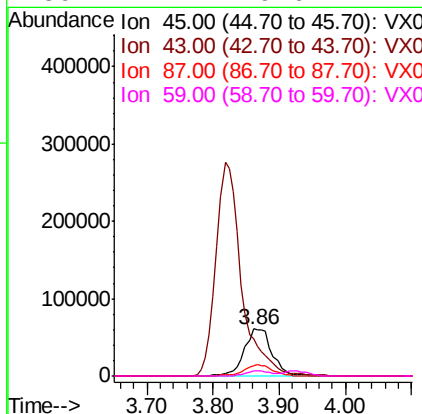
RT: 3.86 min Scan# 444

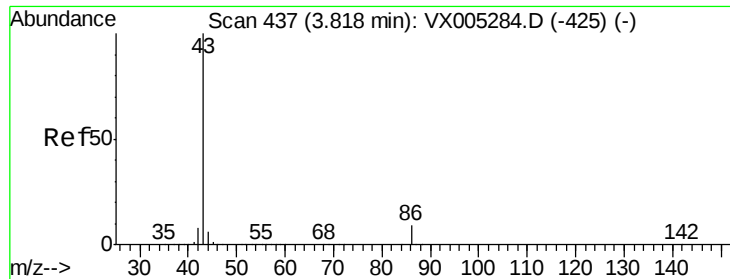
Delta R.T. -0.01 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Tgt Ion:	45	Resp:	177863
Ion	Ratio	Lower	Upper
45	100		
43	78.0	42.8	64.2#
87	22.5	22.6	34.0#
59	11.1	9.6	14.4





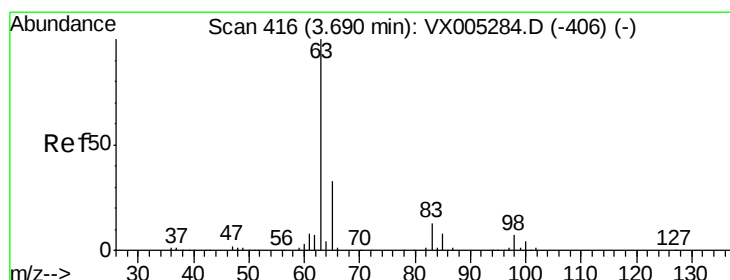
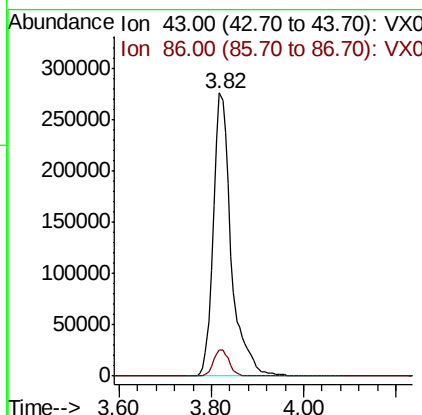
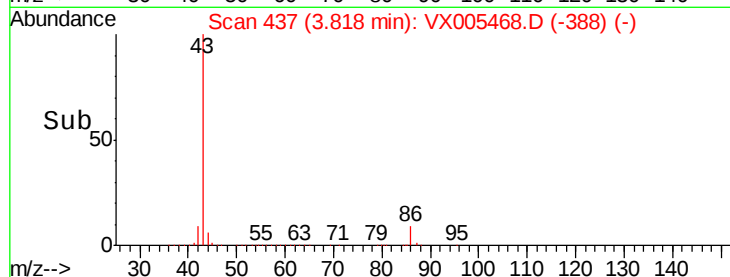
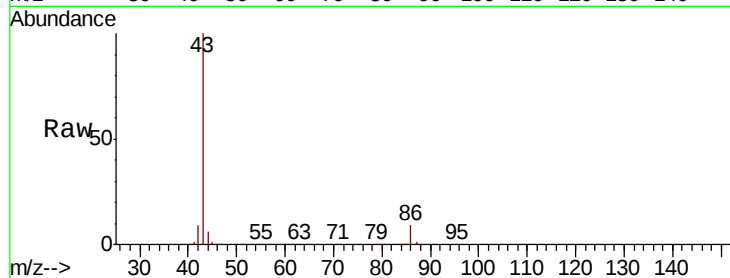
#23
 Vinyl Acetate
 Concen: 107.363 ug/l
 RT: 3.82 min Scan# 437
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	9.1	8.9	13.3

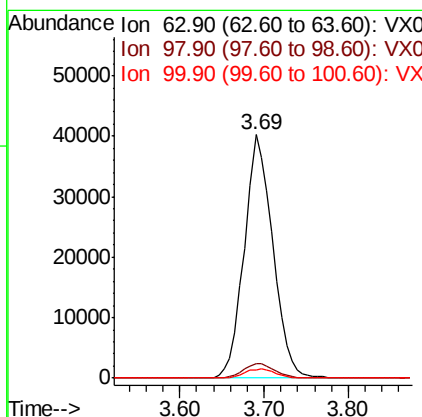
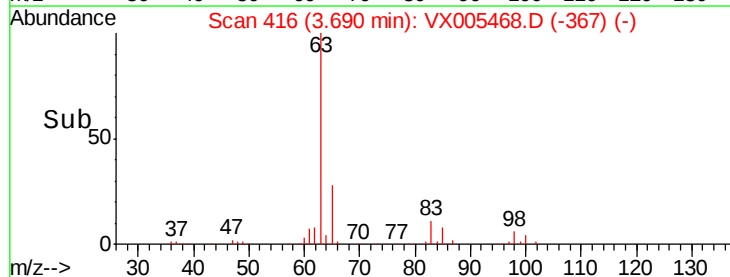
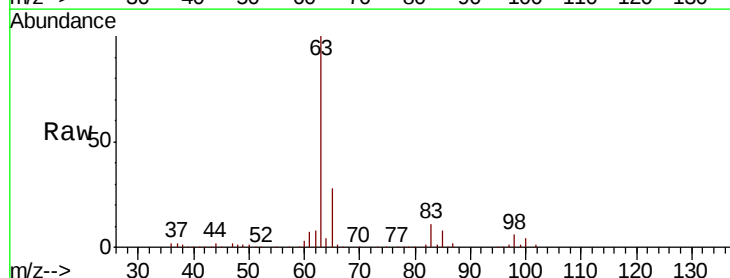
Manual Integrations
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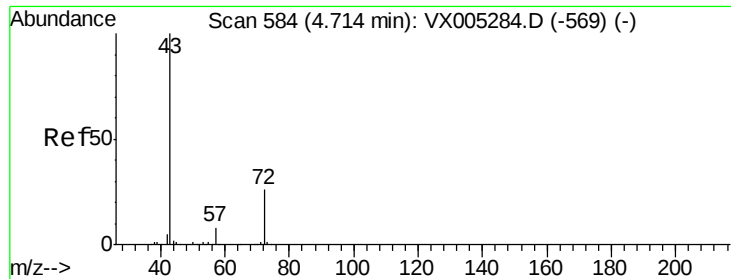
MMDadoda
 10/23/2018 1:27:55 PM



#24
 1,1-Dichloroethane
 Concen: 20.202 ug/l
 RT: 3.69 min Scan# 416
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.0	3.5	10.4
100	3.6	2.4	7.1





#25

2-Butanone

Concen: 101.699 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion: 43 Resp: 234922

Ion Ratio Lower Upper

43 100

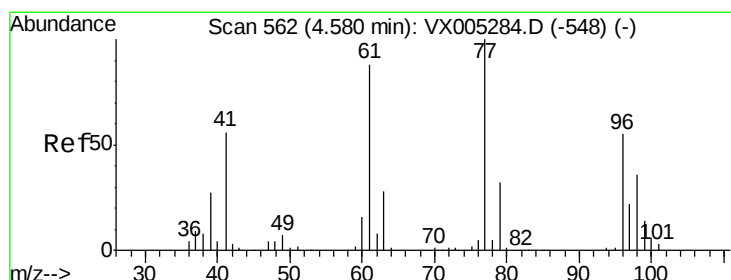
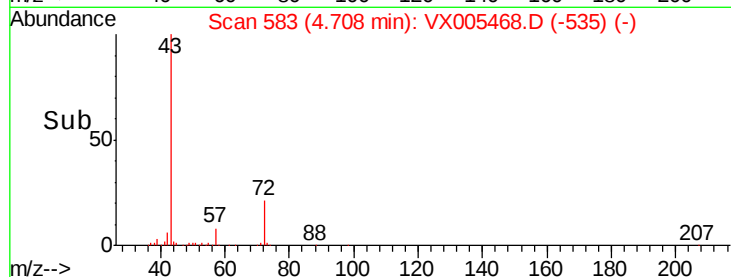
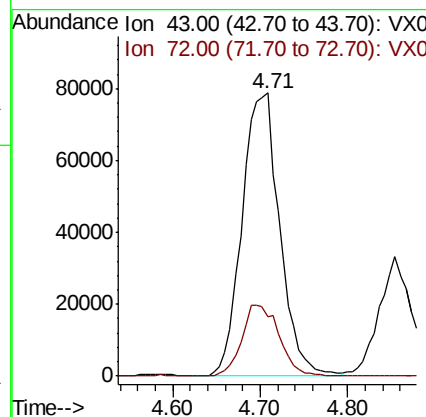
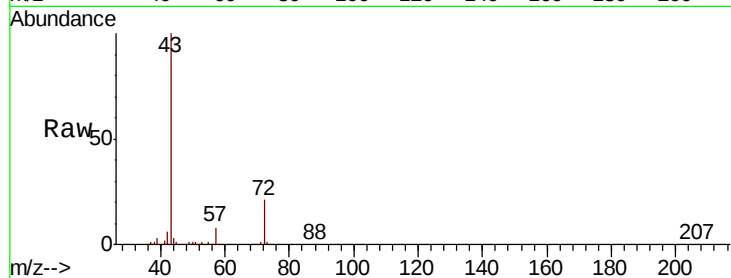
72 20.9 22.0 33.0#

Manual Integrations

APPROVED

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#26

2,2-Dichloropropane

Concen: 21.639 ug/l

RT: 4.59 min Scan# 563

Delta R.T. 0.01 min

Lab File: VX005468.D

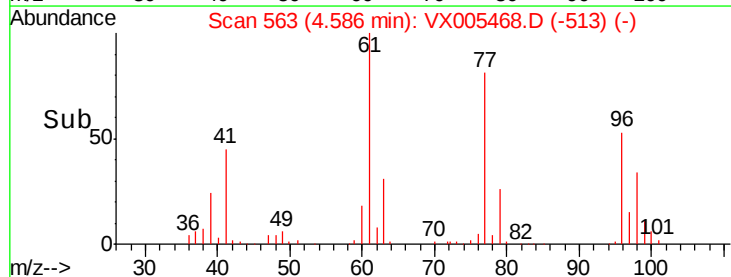
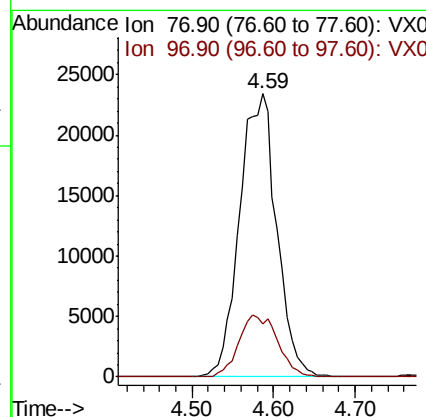
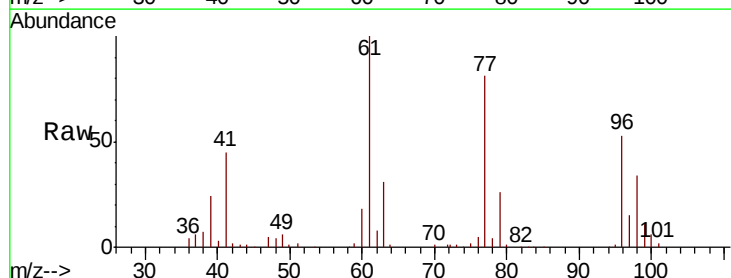
Acq: 22 Oct 2018 14:19

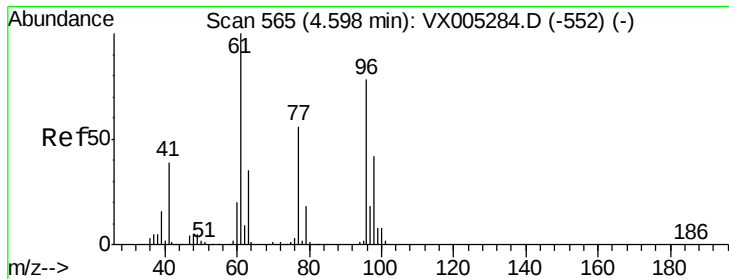
Tgt Ion: 77 Resp: 73703

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.0





#27

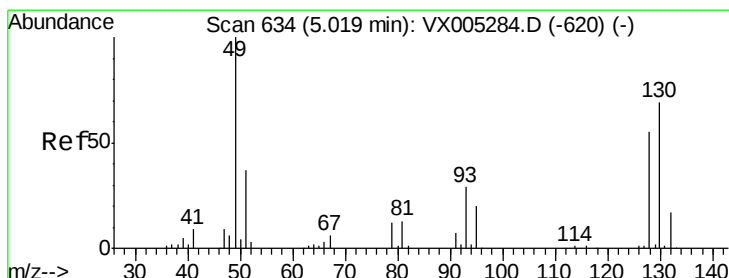
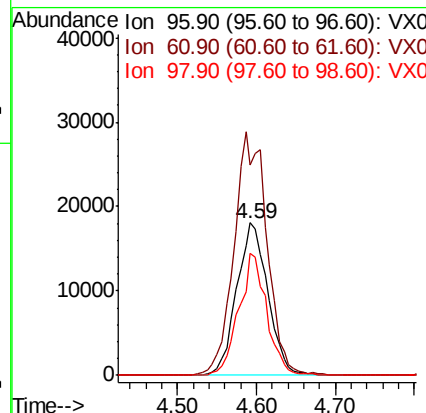
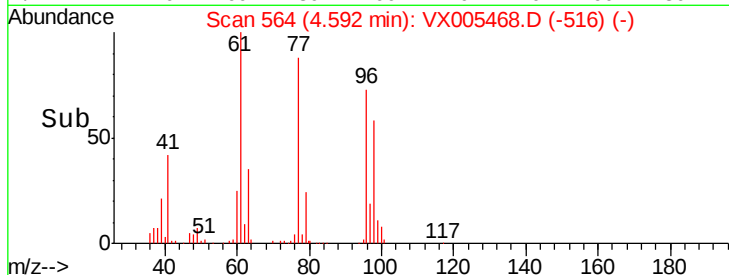
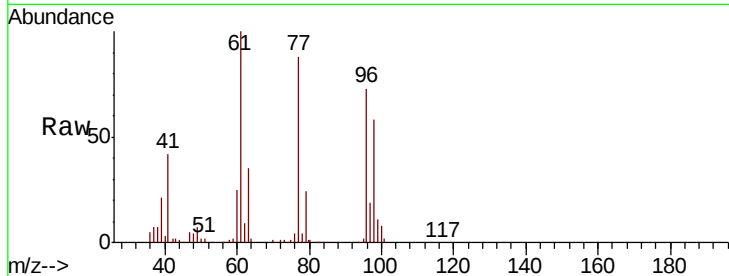
cis-1,2-Dichloroethene
Concen: 19.128 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	168.5	0.0	282.6
98	71.7	0.0	130.2

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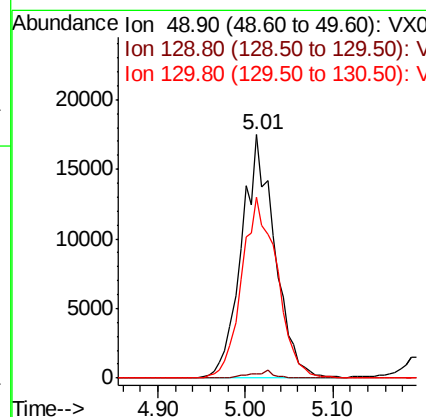
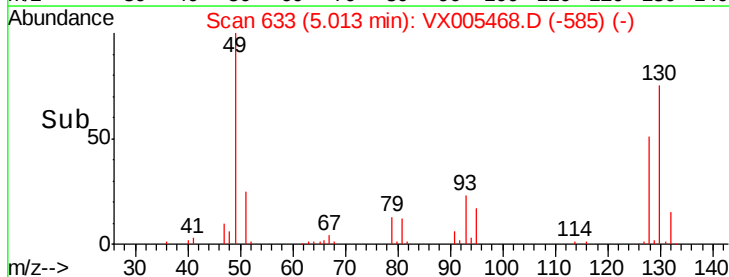
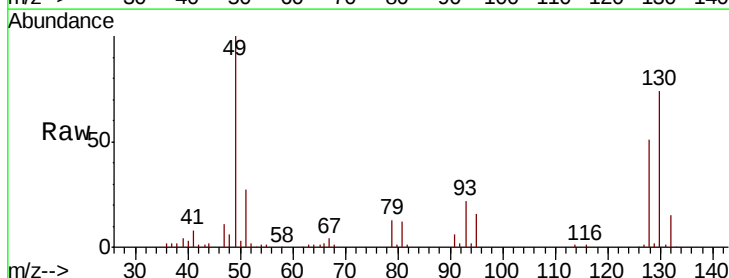
MMDadoda
10/23/2018 1:27:55 PM

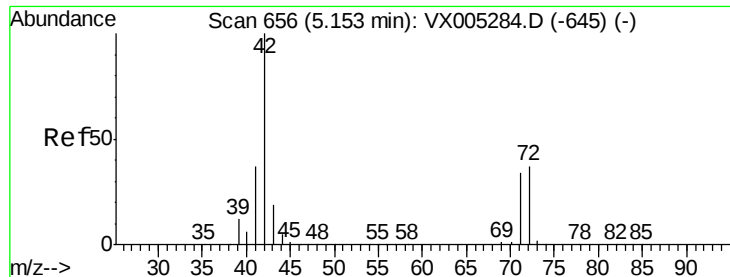


#28

Bromochloromethane
Concen: 22.258 ug/l
RT: 5.01 min Scan# 633
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	79.2	67.5	101.3





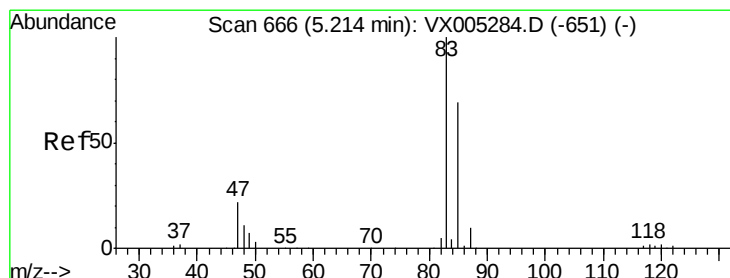
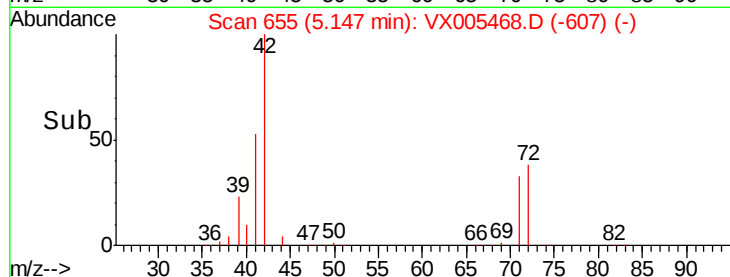
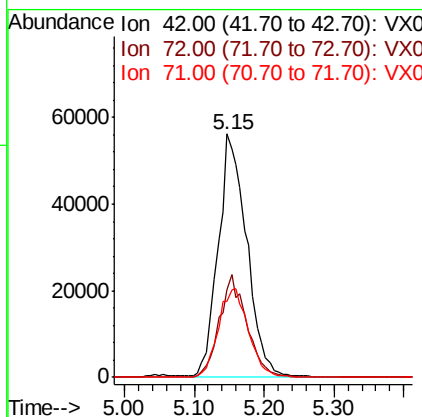
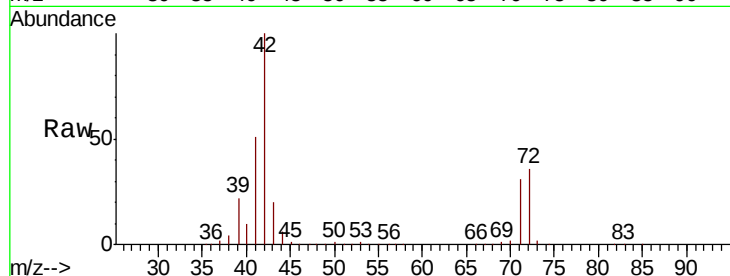
#29
Tetrahydrofuran
Concen: 107.195 ug/l
RT: 5.15 min Scan# 655
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.8	37.4	56.0
71	38.7	34.5	51.7

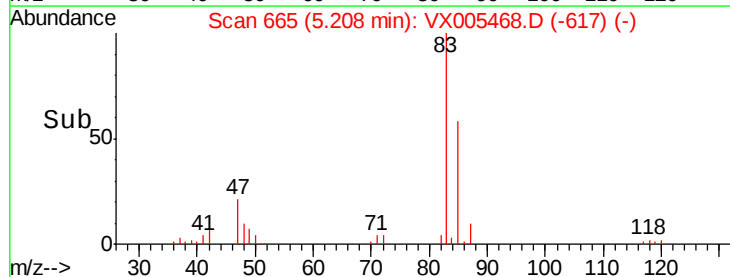
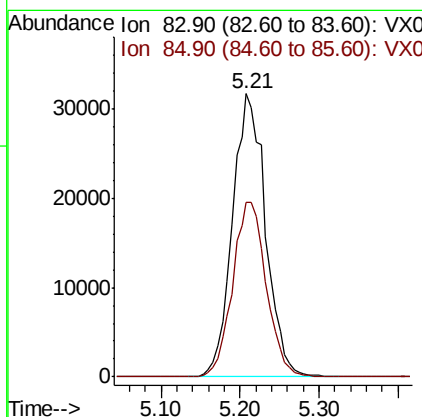
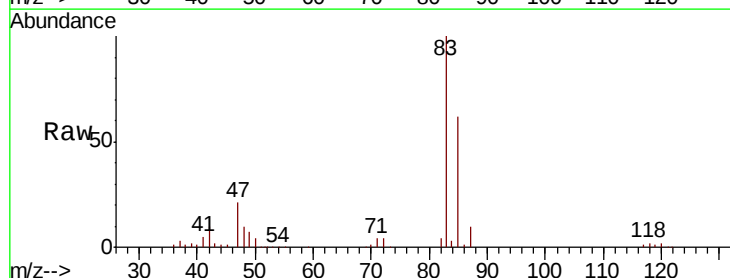
Manual Integrations
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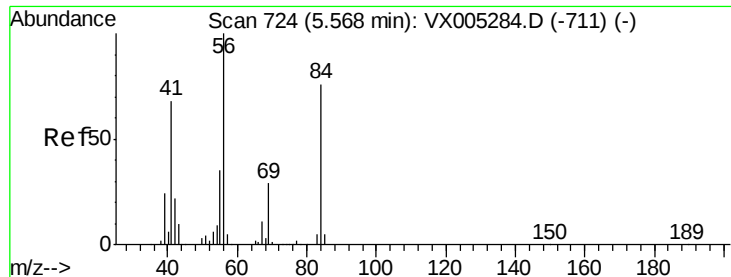
MMDadoda
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#30
Chloroform
Concen: 21.826 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.6	79.0





#31

Cyclohexane

Concen: 19.437 ug/l

RT: 5.57 min Scan# 724

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

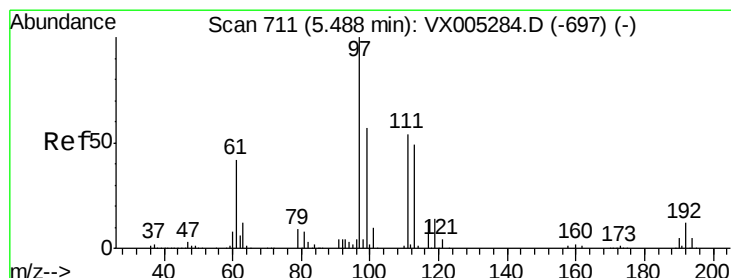
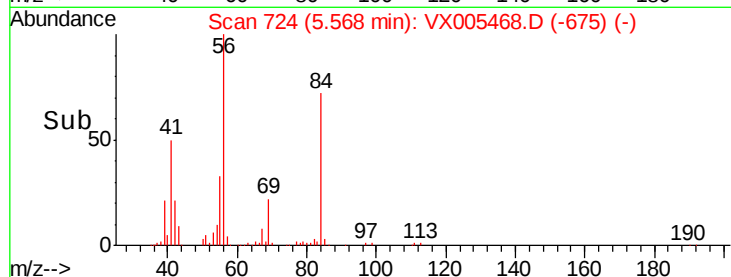
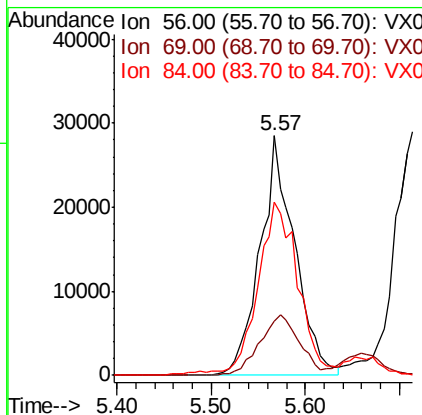
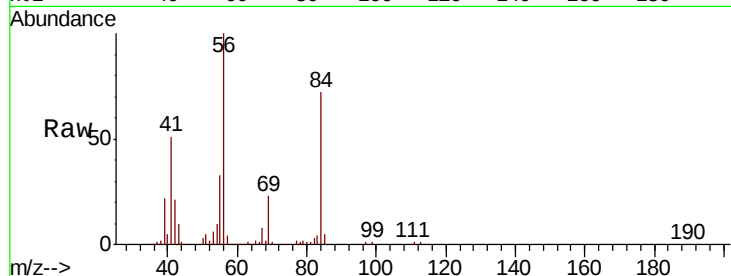
ClientSampleId :

VX1022WBS01

Tot Ion:	56	Resp:	72957
Ion	Ratio	Lower	Upper
56	100		
69	22.5	25.4	38.2#
84	70.9	71.4	107.2#

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#32

1,1,1-Trichloroethane

Concen: 20.882 ug/l

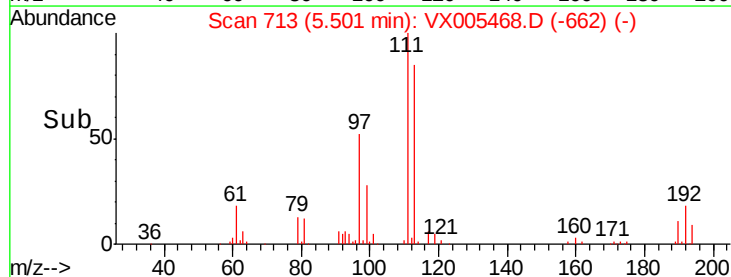
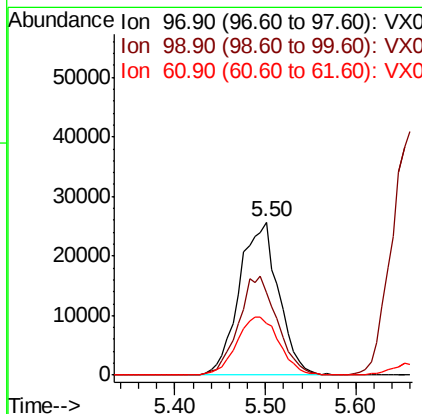
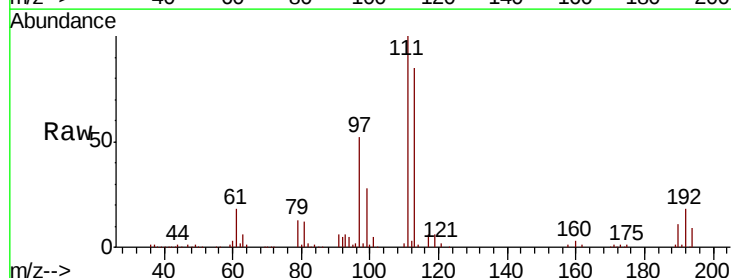
RT: 5.50 min Scan# 713

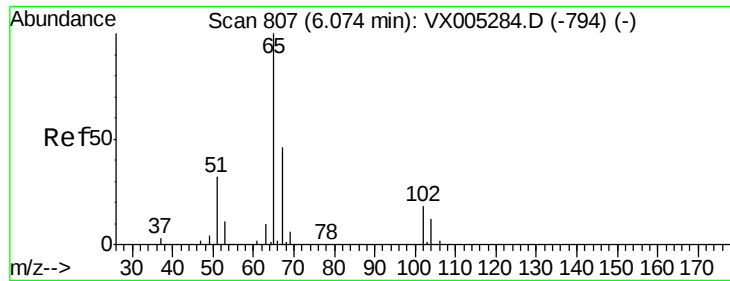
Delta R.T. 0.01 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Tgt Ion:	97	Resp:	76805
Ion	Ratio	Lower	Upper
97	100		
99	63.9	52.0	78.0
61	41.3	34.9	52.3





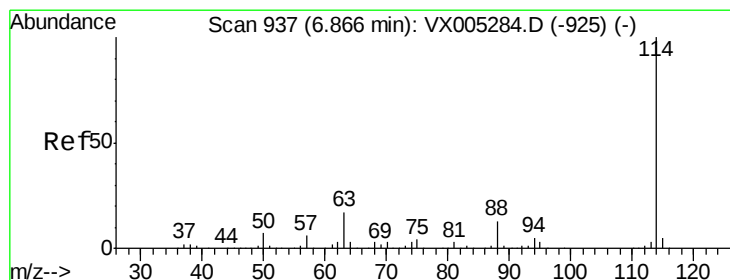
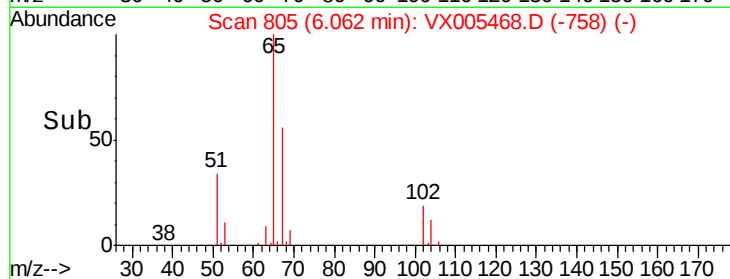
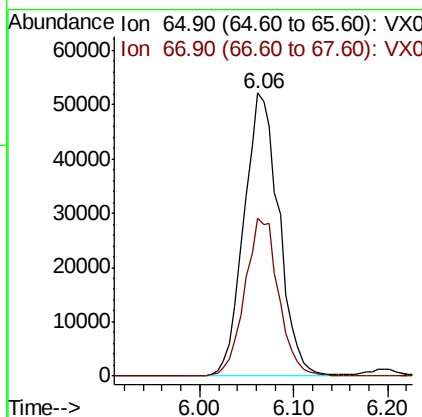
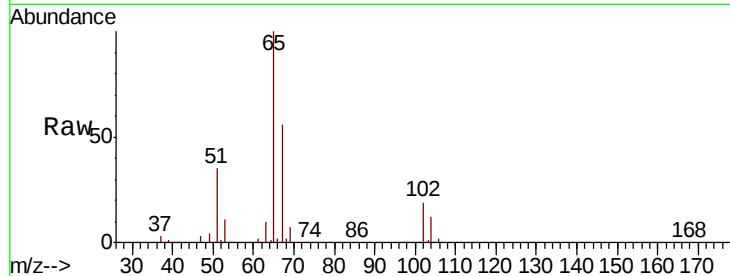
#33
 1,2-Dichloroethane-d4
 Concen: 49.665 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.01 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.1	0.0	106.8

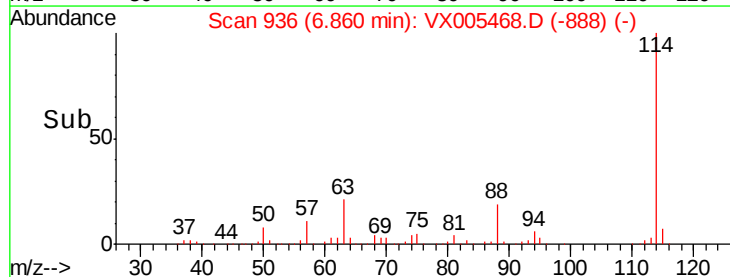
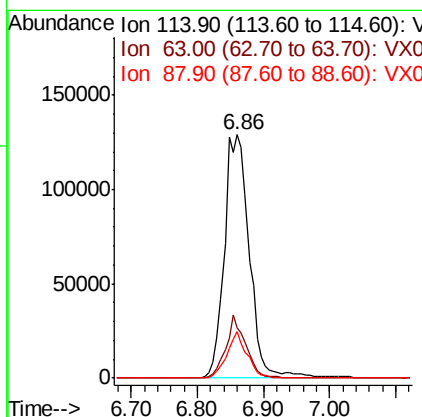
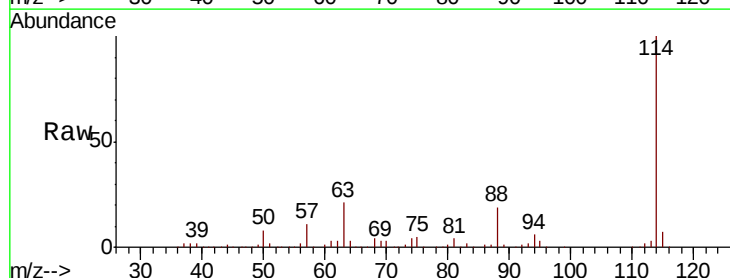
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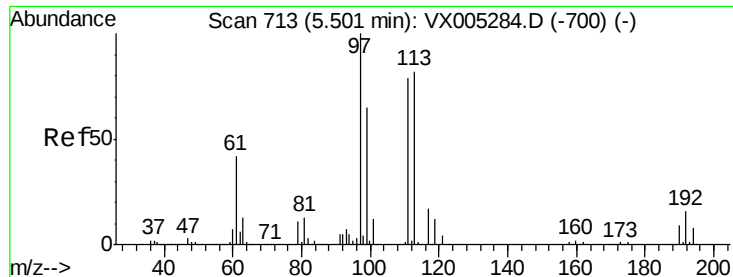
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.01 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	39.0
88	19.3	0.0	30.4





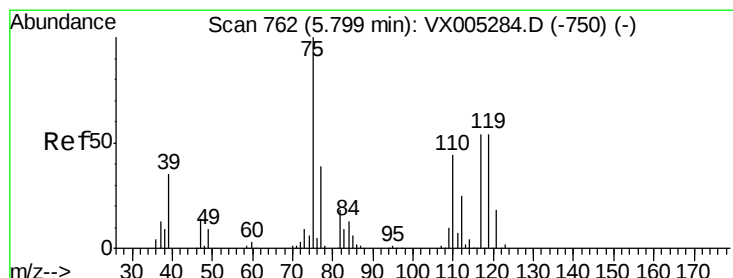
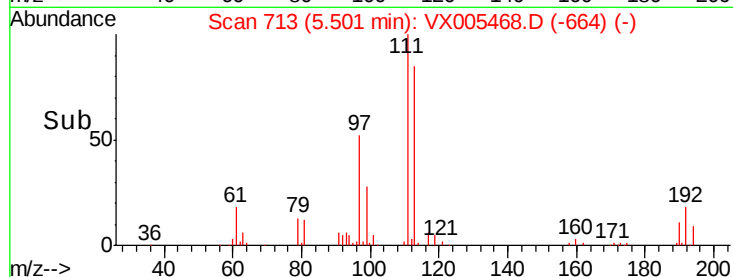
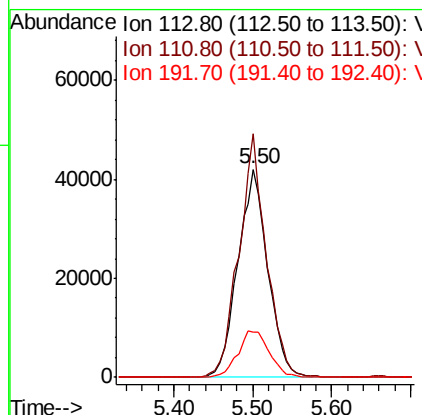
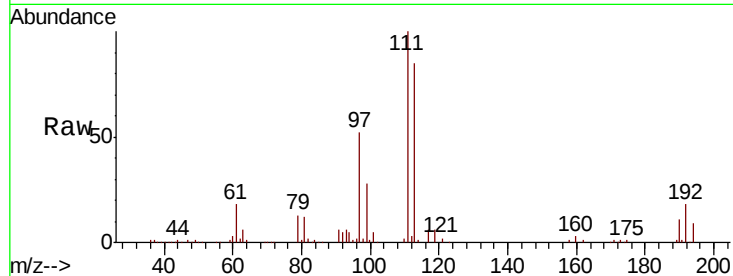
#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	107.1	82.4	123.6	
192	23.5	19.4	29.2	

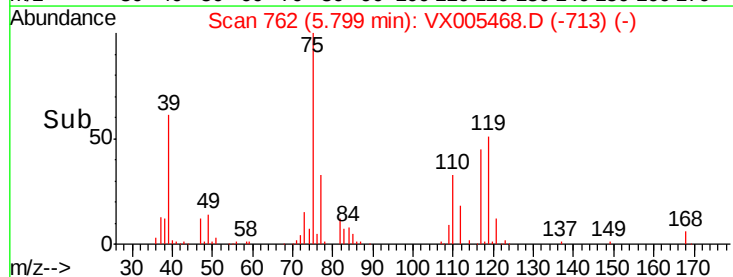
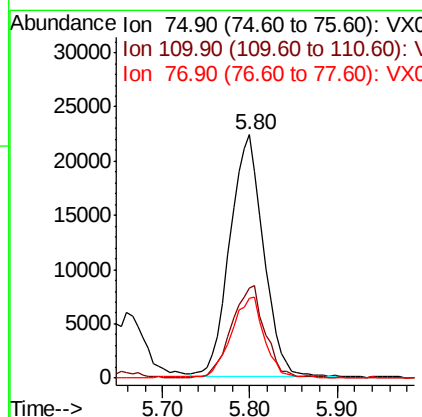
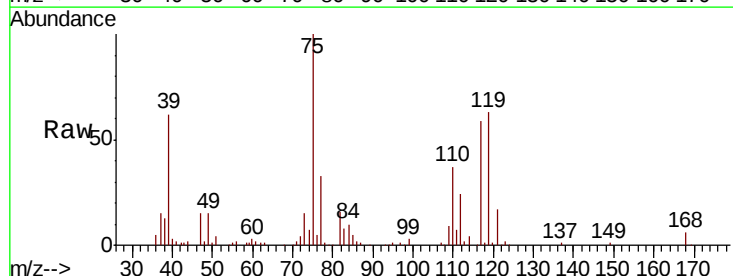
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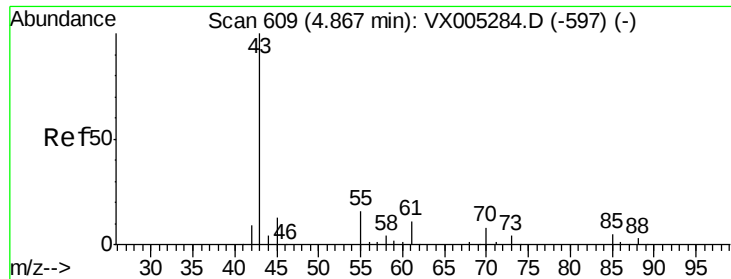
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#36
1,1-Dichloropropene
Concen: 18.175 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	38.4	18.0	54.0	
77	32.1	24.6	36.8	





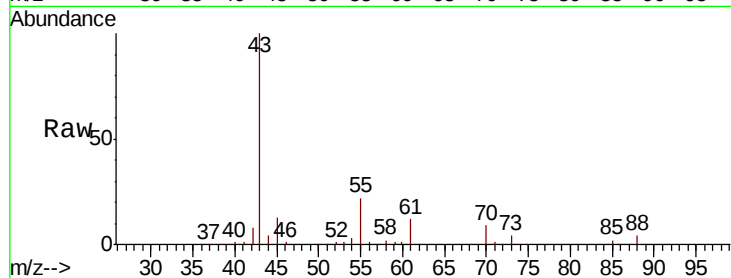
#37
Ethyl Acetate
Concen: 20.736 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

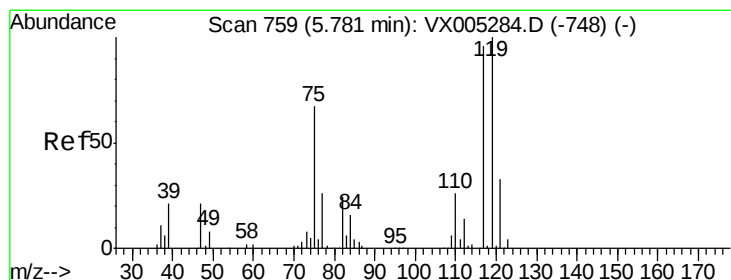
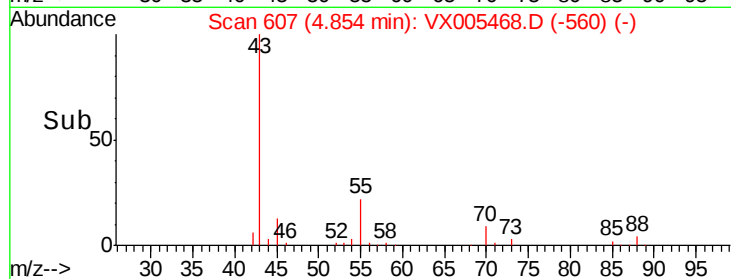
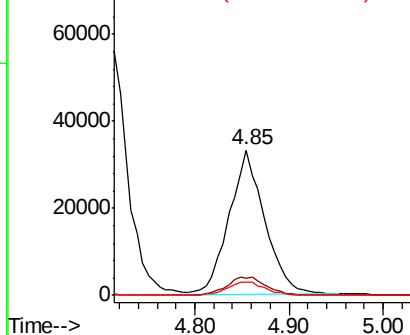
Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	11.5	17.3
70	10.2	9.0	13.6

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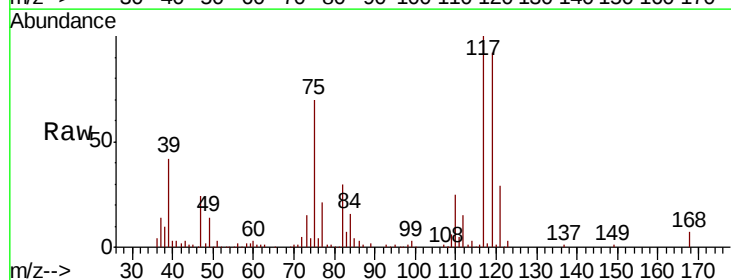


Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 60.90 (60.60 to 61.60): VX0
Ion 70.00 (69.70 to 70.70): VX0

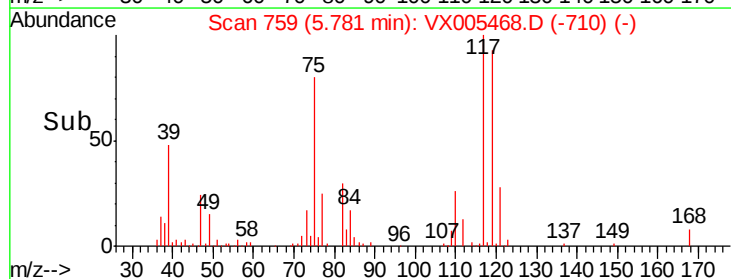
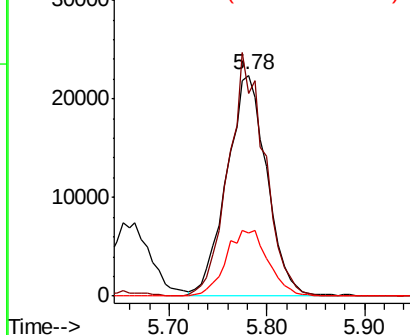


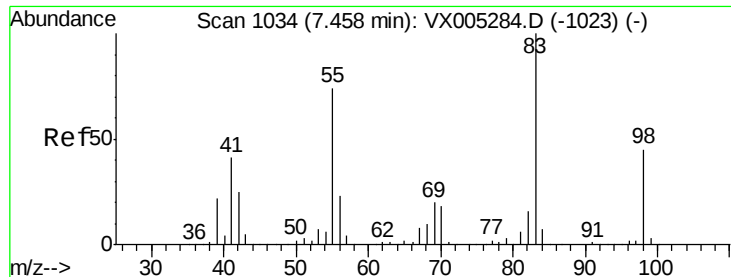
#38
Carbon Tetrachloride
Concen: 19.325 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.7	78.8	118.2
121	28.7	24.9	37.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V





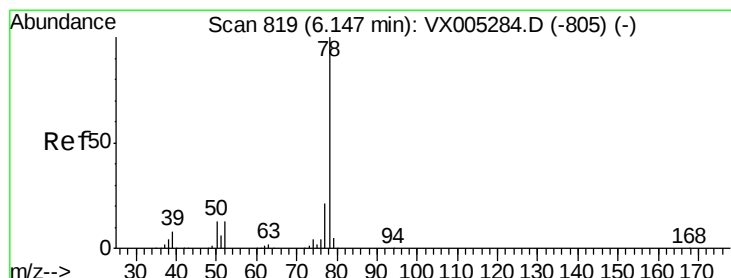
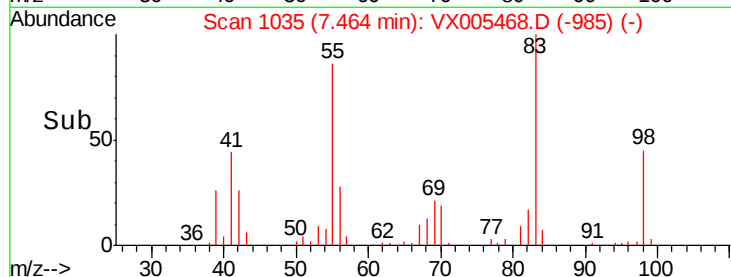
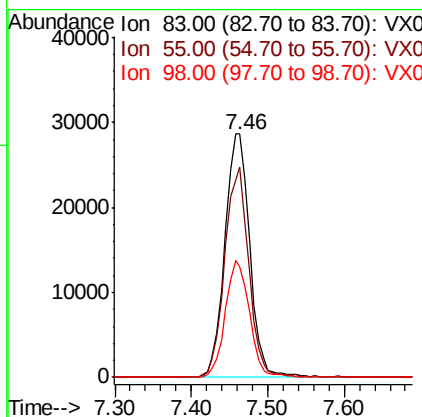
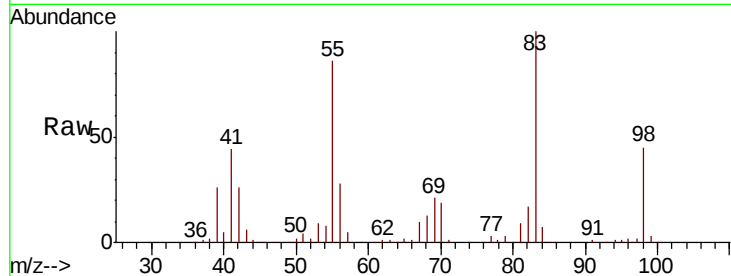
#39
Methvlcvclohexane
Concen: 18.198 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.2	61.0	91.4
98	45.5	39.6	59.4

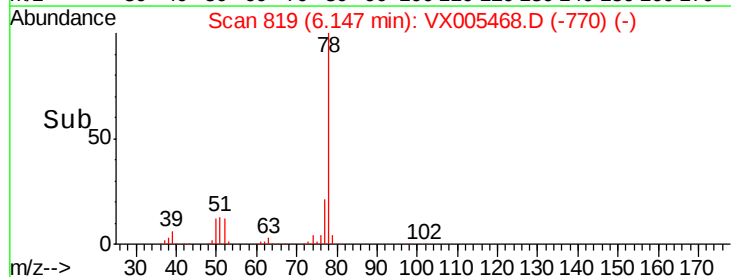
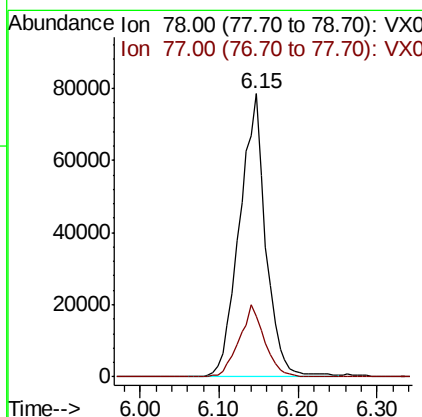
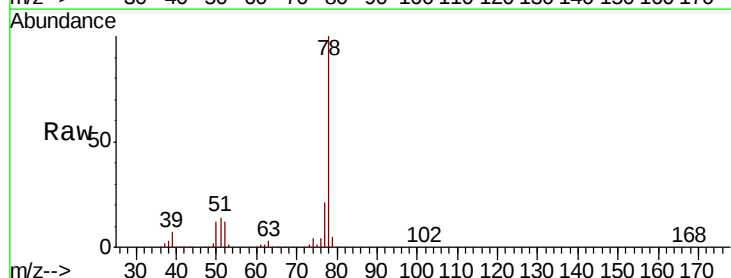
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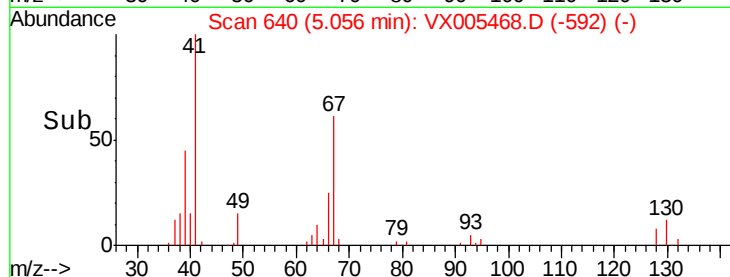
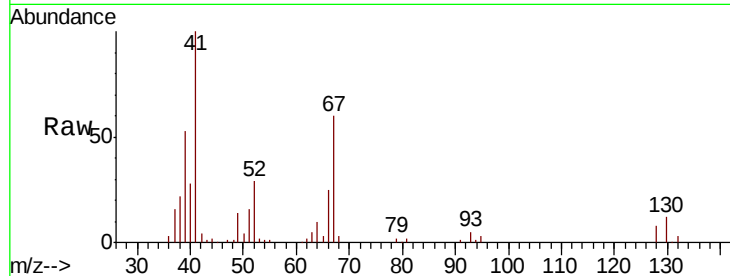
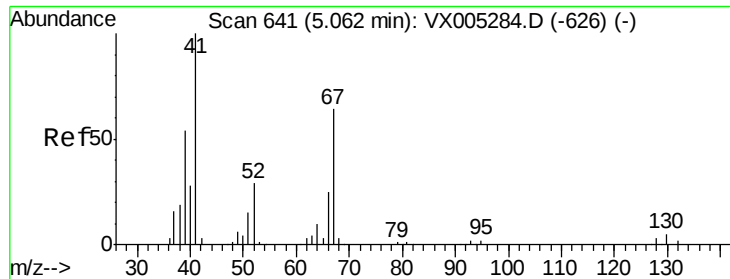
MMDadoda
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#40
Benzene
Concen: 18.516 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.3	19.0	28.4





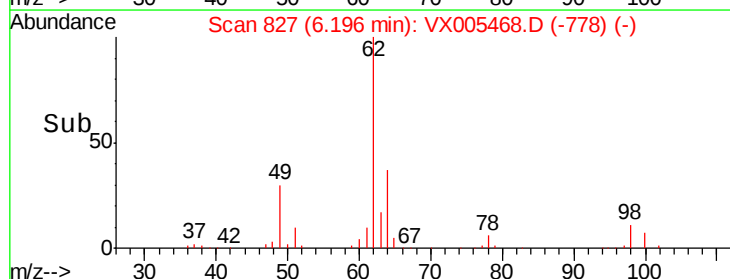
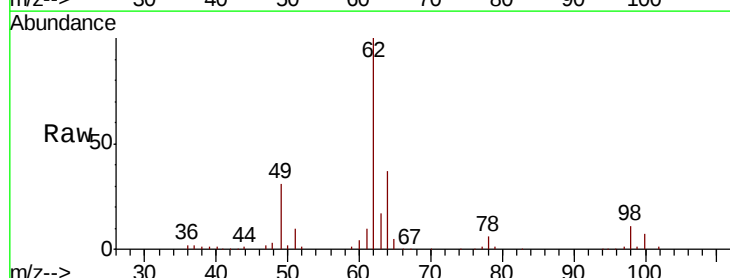
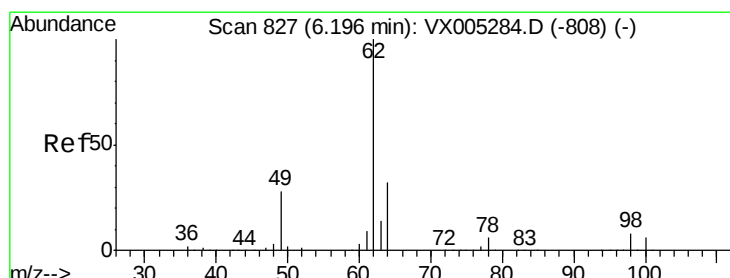
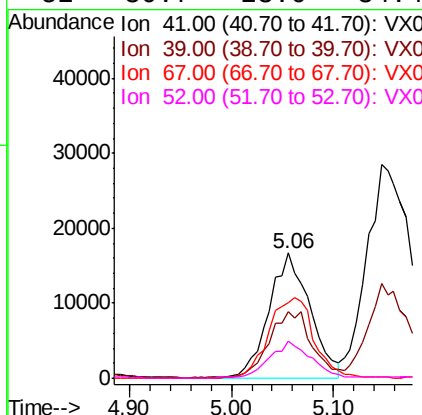
#41
Methacrylonitrile
Concen: 20.450 ug/l
RT: 5.06 min Scan# 640
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tot Ion	41	Resp	46285
Ion Ratio	Lower	Upper	
41	100		
39	56.9	42.4	63.6
67	71.7	59.2	88.8
52	30.7	23.0	34.4

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

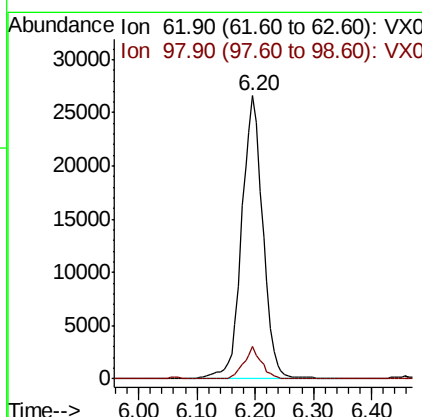
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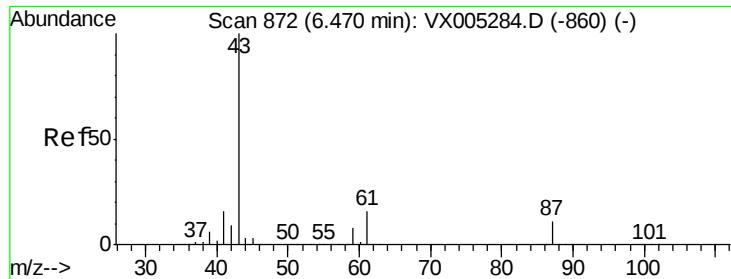
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.275 ug/l
RT: 6.20 min Scan# 827
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	62	Resp	67025
Ion Ratio	Lower	Upper	
62	100		
98	9.4	0.0	20.6





#43

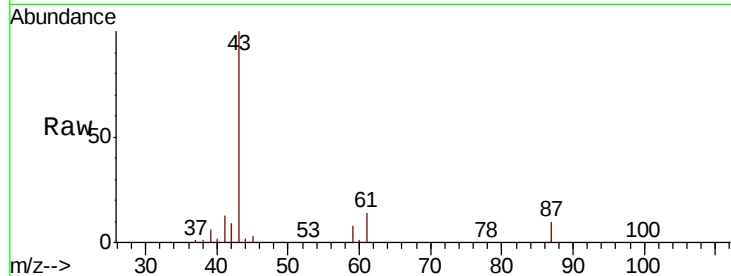
Isopropyl Acetate
 Concen: 21.002 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

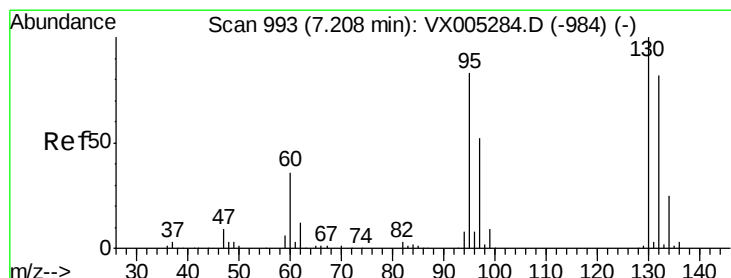
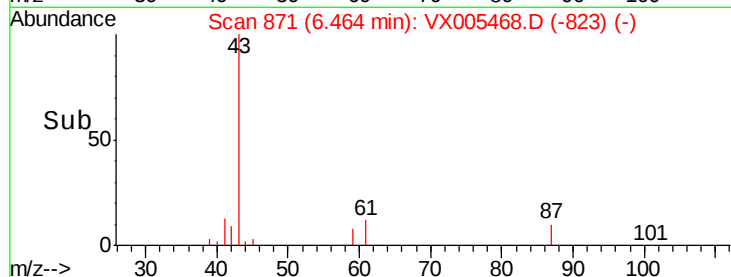
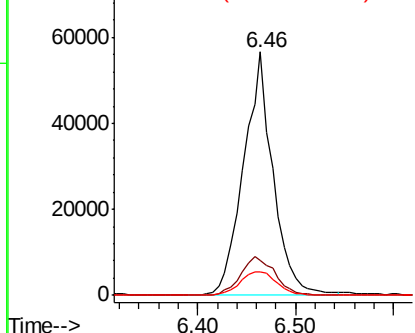
Tot Ion	Ratio	Lower	Upper
43	100		
61	18.7	17.0	25.4
87	12.2	11.4	17.2

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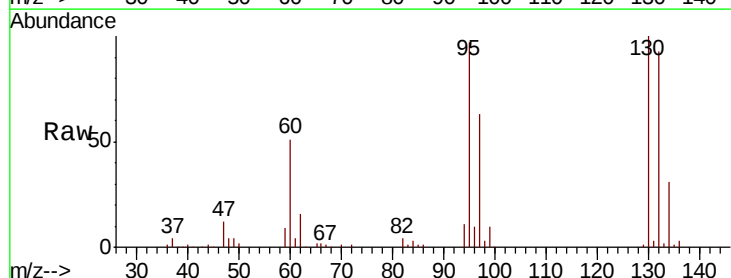
Abundance Ion 43.00 (42.70 to 43.70): VX0
 Ion 61.00 (60.70 to 61.70): VX0
 Ion 87.00 (86.70 to 87.70): VX0



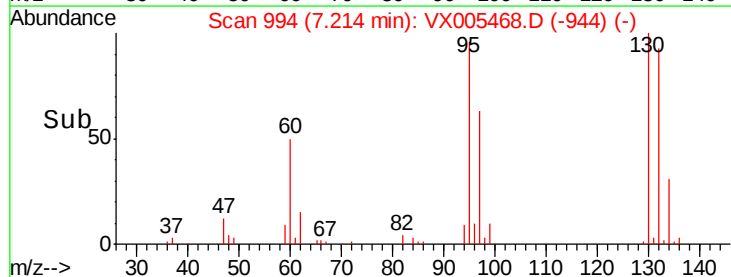
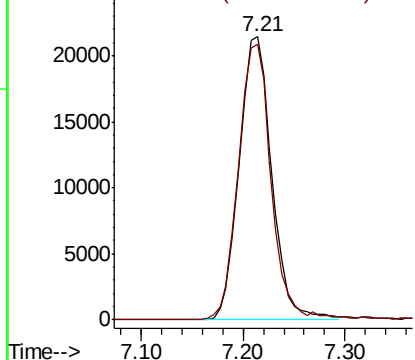
#44

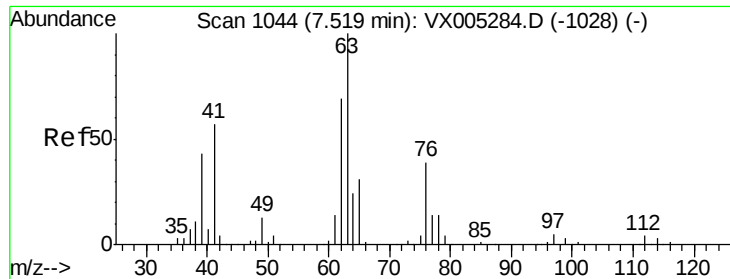
Trichloroethene
 Concen: 18.550 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	97.3	0.0	181.6



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VX0





#45

1,2-Dichloropropane

Concen: 19.955 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampled :

VX1022WBS01

Tot Ion: 63 Resp: 48205

Ion Ratio Lower Upper

63 100

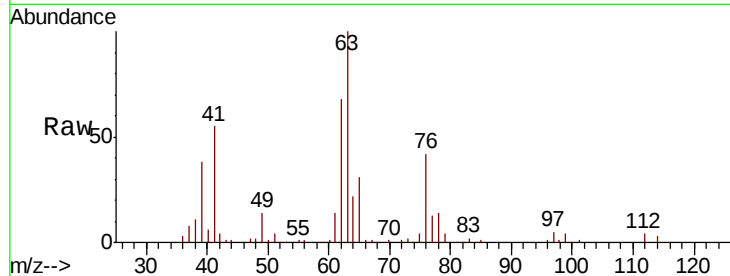
65 30.7 24.3 36.5

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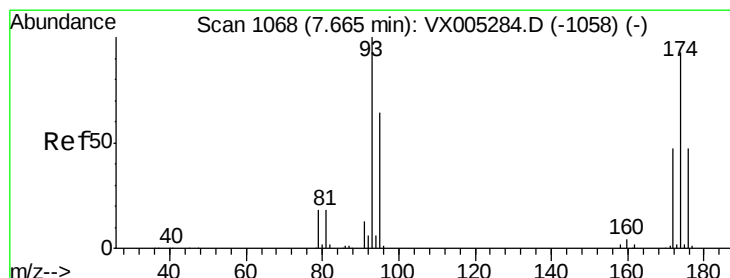
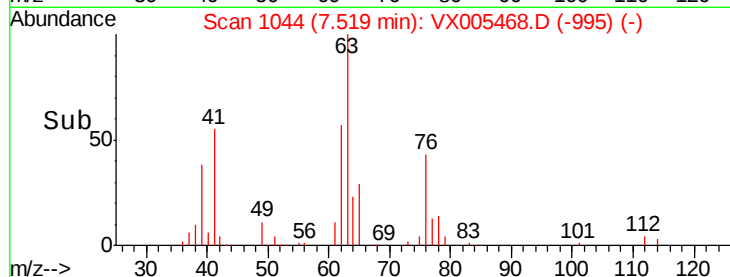
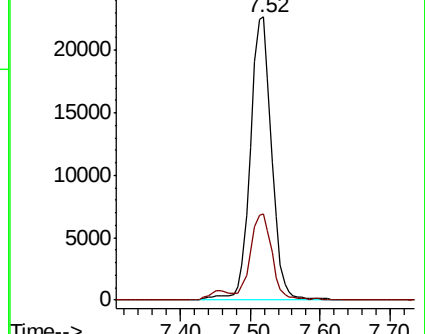
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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.072 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.01 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

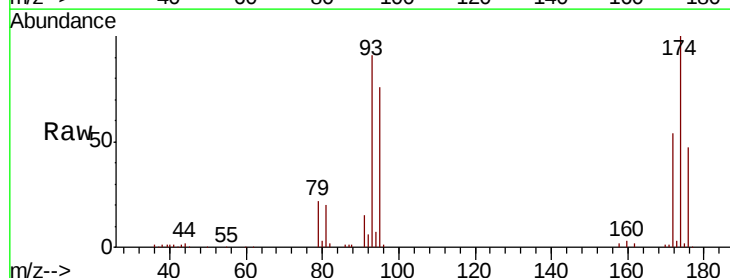
Tgt Ion: 93 Resp: 30407

Ion Ratio Lower Upper

93 100

95 81.9 65.5 98.3

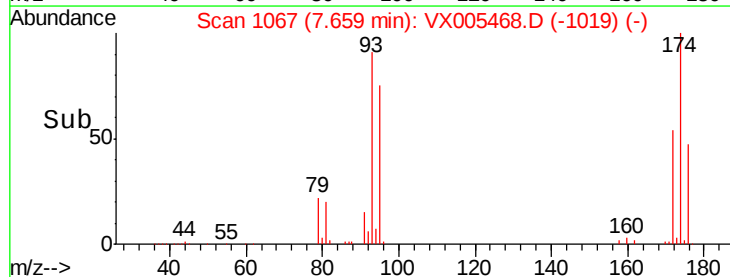
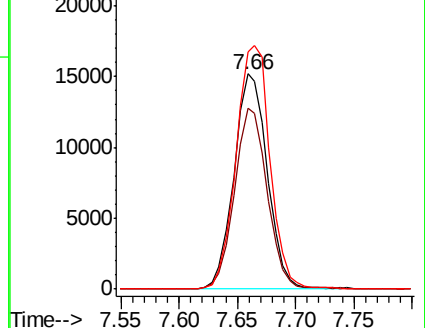
174 115.4 94.2 141.4

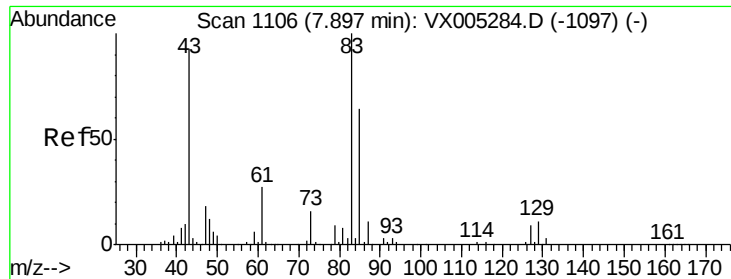


Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





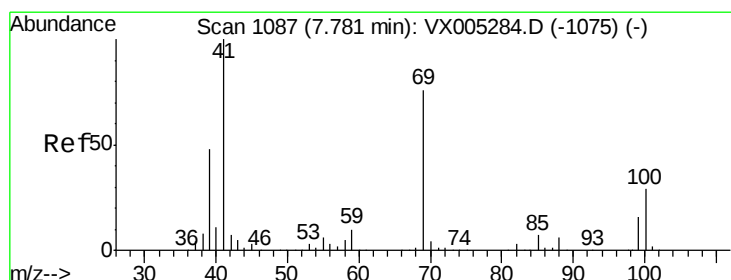
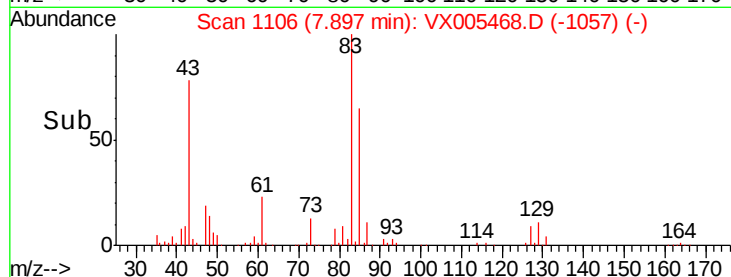
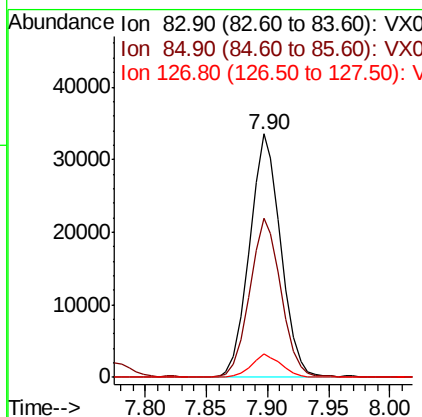
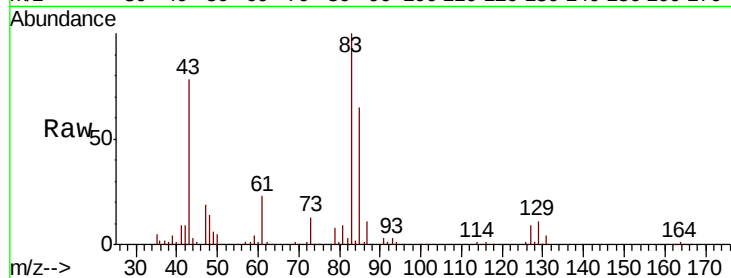
#47
Bromodichloromethane
Concen: 20.229 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	83	Resp	59656
Ion Ratio	Lower	Upper	
83	100		
85	65.2	50.9	76.3
127	9.4	7.3	10.9

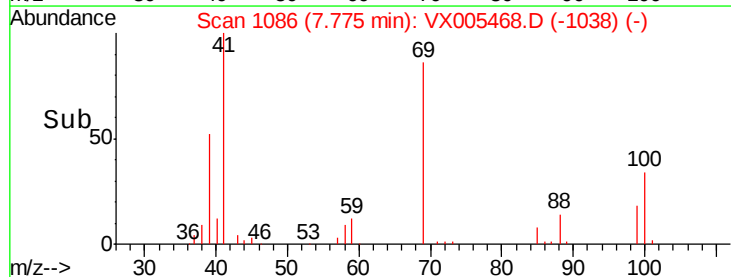
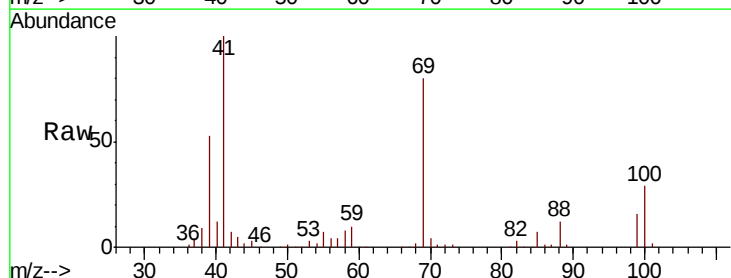
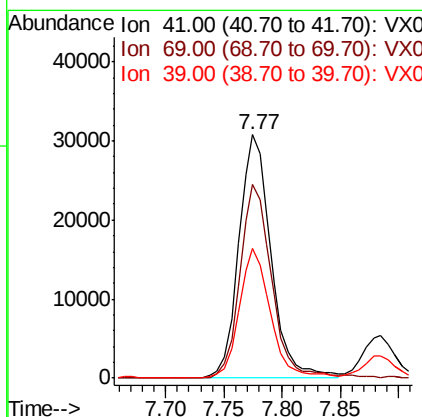
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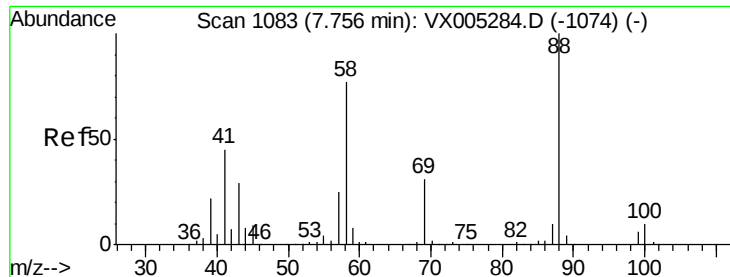
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#48
Methyl methacrylate
Concen: 20.196 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	41	Resp	58908
Ion Ratio	Lower	Upper	
41	100		
69	79.6	70.2	105.4
39	52.3	42.7	64.1





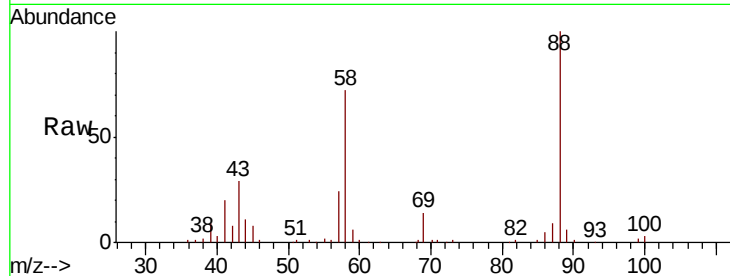
#49
1,4-Dioxane
Concen: 380.826 ug/l
RT: 7.75 min Scan# 1082
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

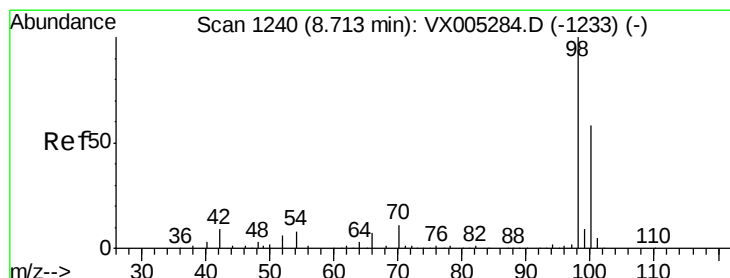
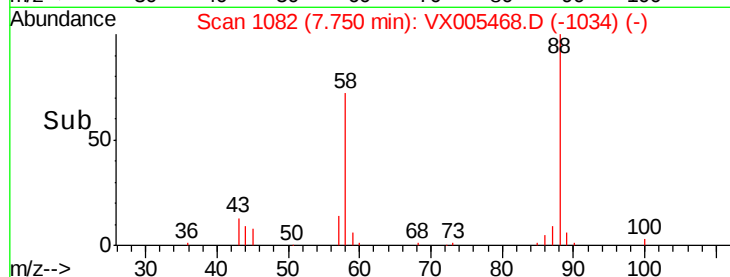
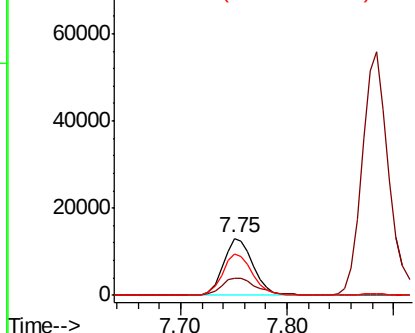
Tot Ion	Ratio	Lower	Upper
88	100		
43	34.1	24.7	37.1
58	73.7	55.3	82.9

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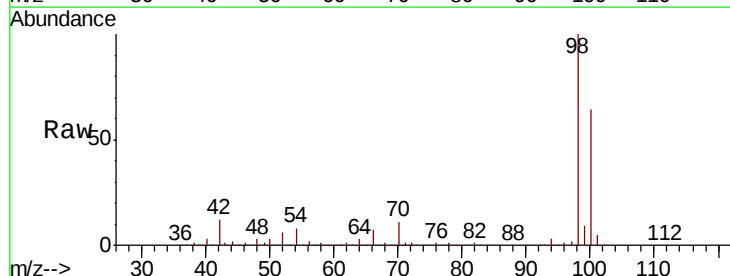


Abundance Ion 88.00 (87.70 to 88.70): VX0
Ion 43.00 (42.70 to 43.70): VX0
Ion 58.00 (57.70 to 58.70): VX0

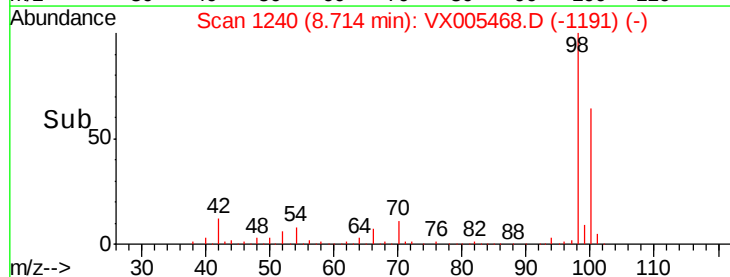
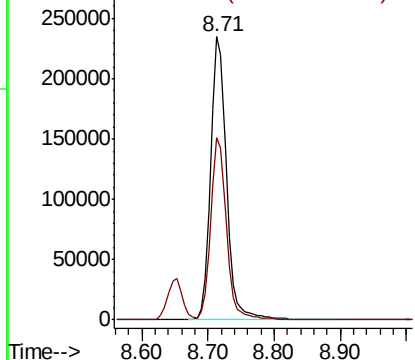


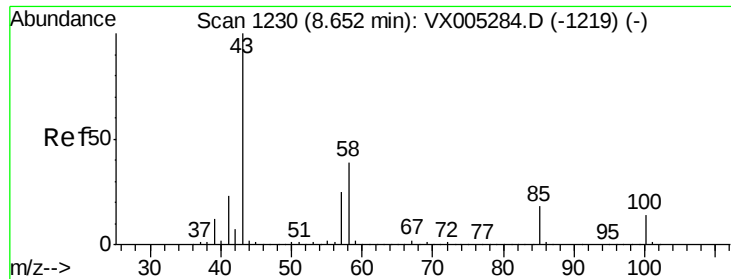
#50
Toluene-d8
Concen: 50.488 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): VX0





#51

4-Methyl-2-Pentanone

Concen: 105.798 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion: 43 Resp: 411977

Ion Ratio Lower Upper

43 100

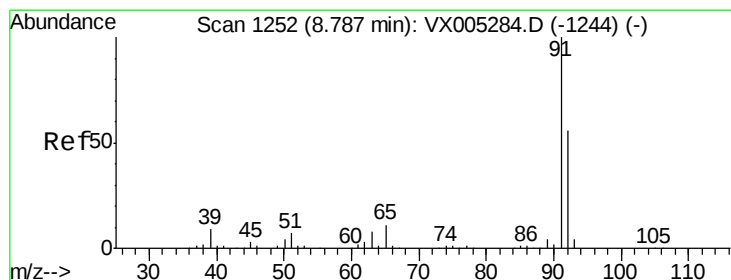
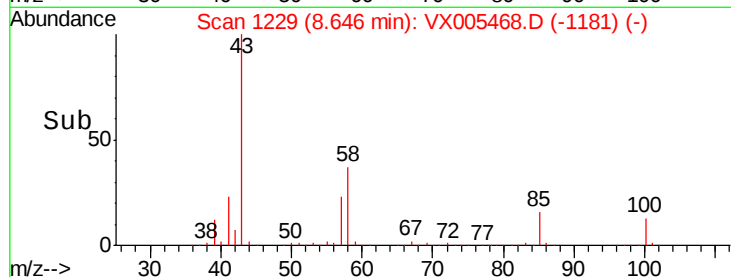
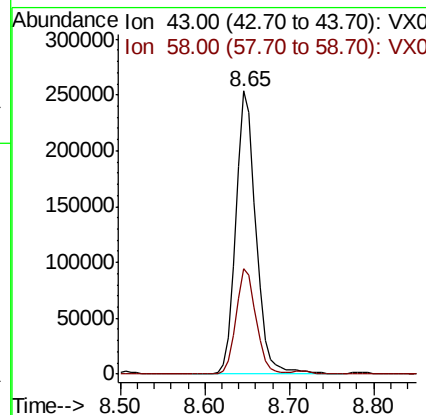
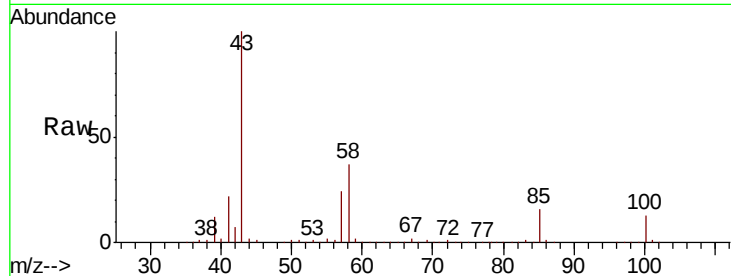
58 37.0 33.1 49.7

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#52

Toluene

Concen: 20.236 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX005468.D

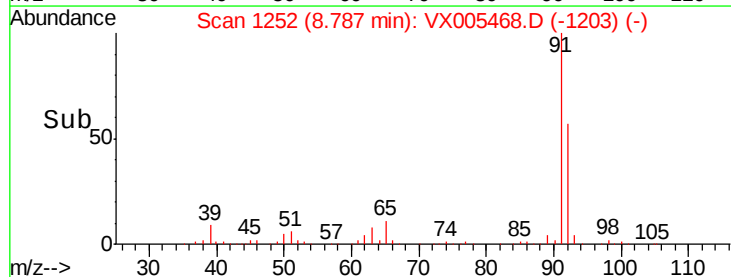
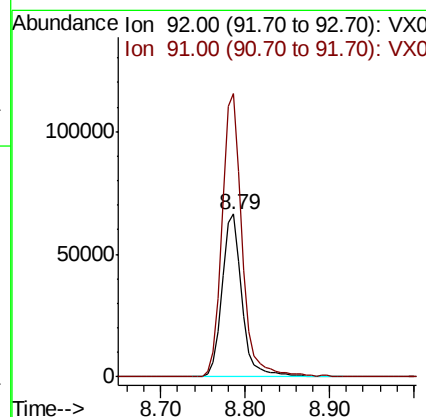
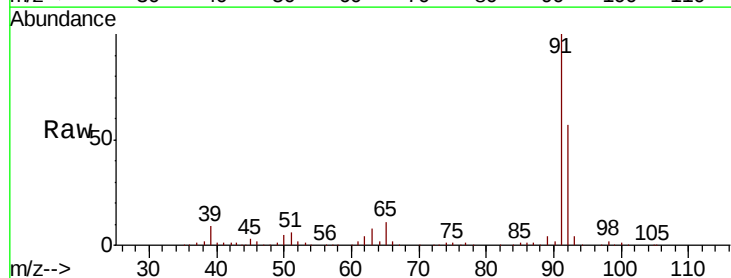
Acq: 22 Oct 2018 14:19

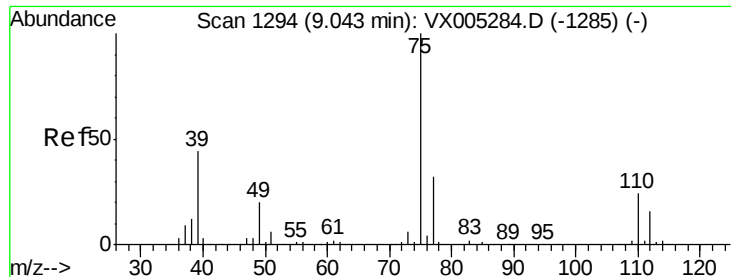
Tgt Ion: 92 Resp: 109021

Ion Ratio Lower Upper

92 100

91 175.8 136.4 204.6





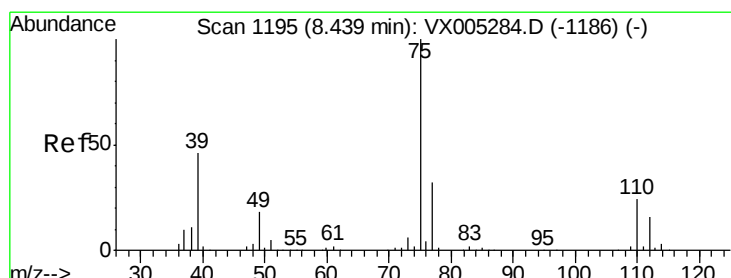
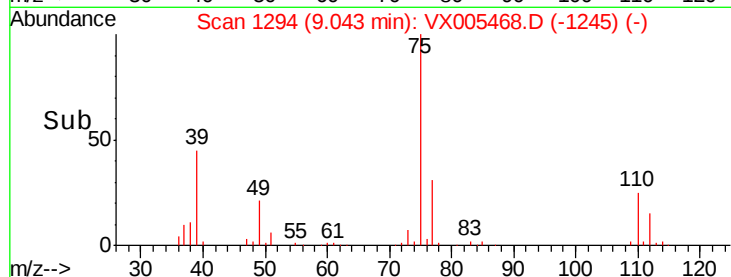
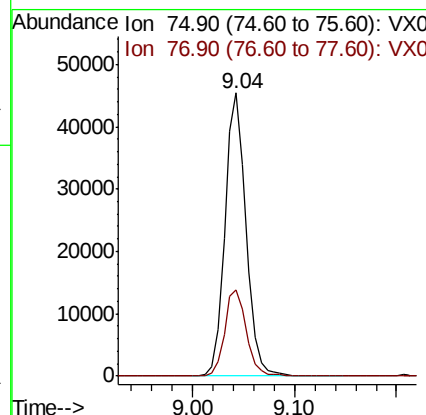
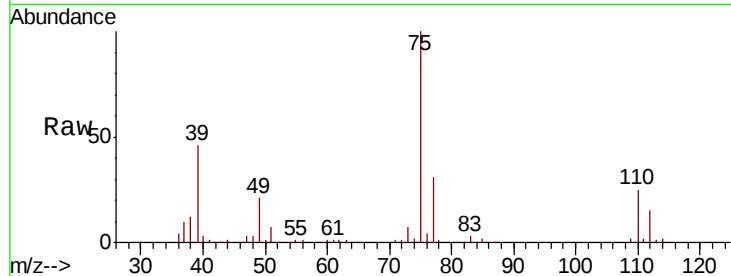
#53
 t-1,3-Dichloropropene
 Concen: 20.412 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion: 75 Resp: 65145
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 37.0

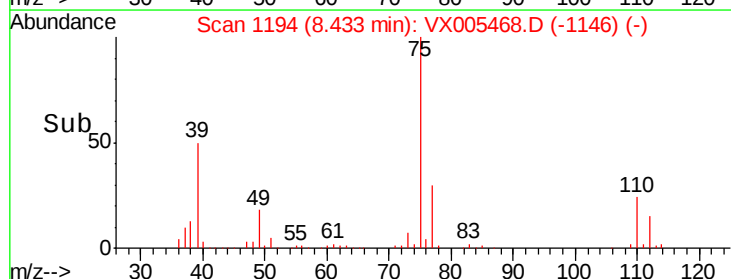
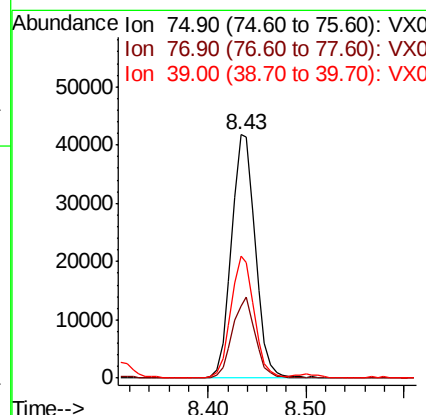
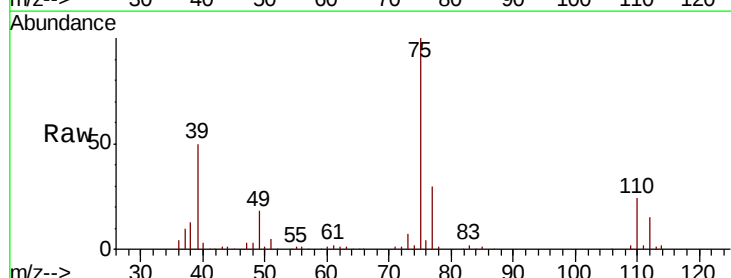
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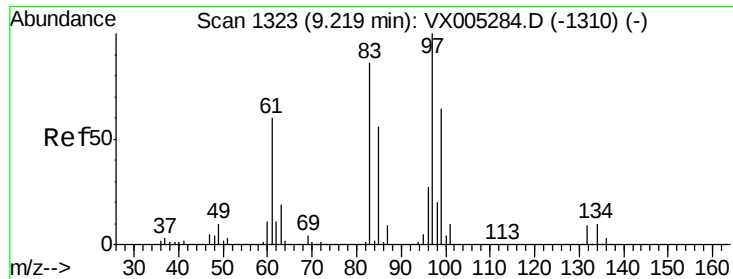
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#54
 cis-1,3-Dichloropropene
 Concen: 20.488 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion: 75 Resp: 70850
 Ion Ratio Lower Upper
 75 100
 77 29.9 26.2 39.2
 39 49.7 36.4 54.6





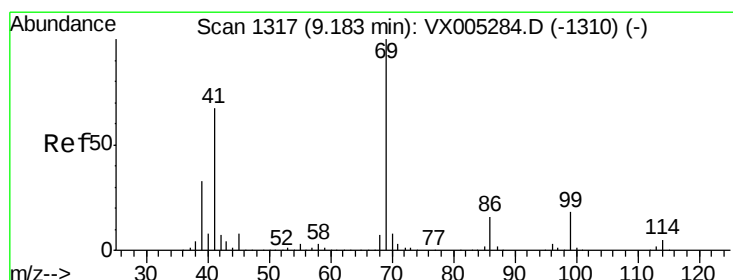
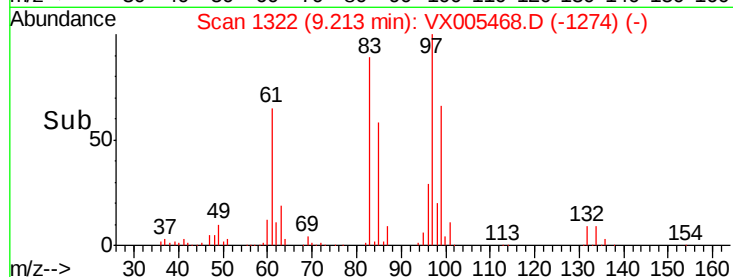
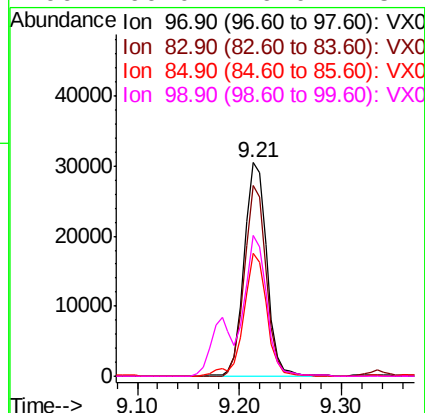
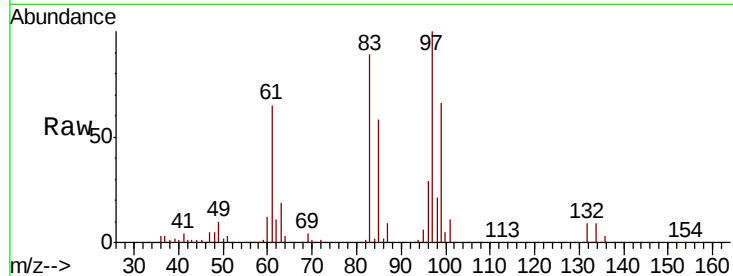
#55
 1,1,2-Trichloroethane
 Concen: 20.513 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion:	97	Resp:	46809
Ion	Ratio	Lower	Upper
97	100		
83	89.2	66.4	99.6
85	57.8	43.3	64.9
99	66.0	49.0	73.4

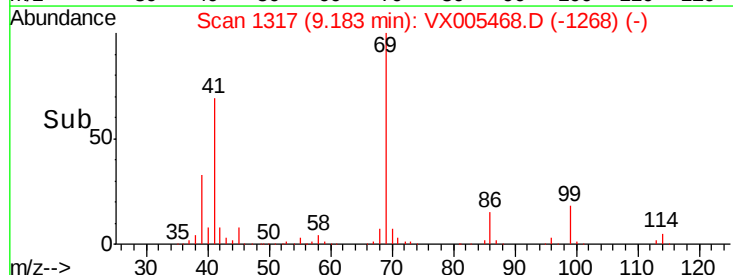
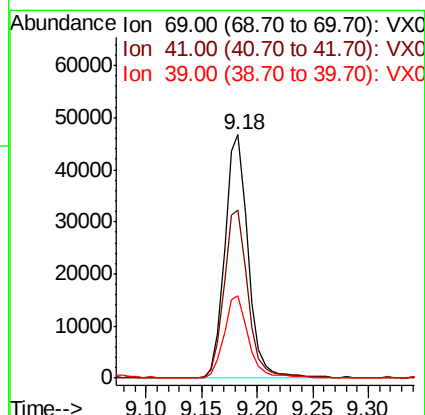
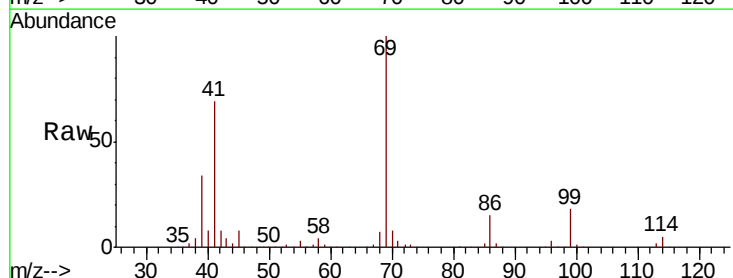
Manual Integrations
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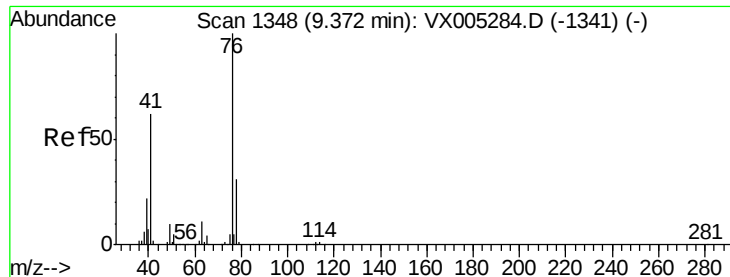
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 20.437 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion:	69	Resp:	67985
Ion	Ratio	Lower	Upper
69	100		
41	70.6	51.0	76.4
39	34.7	26.1	39.1





#57

1,3-Dichloropropane

Concen: 20.364 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion: 76 Resp: 77561

Ion Ratio Lower Upper

76 100

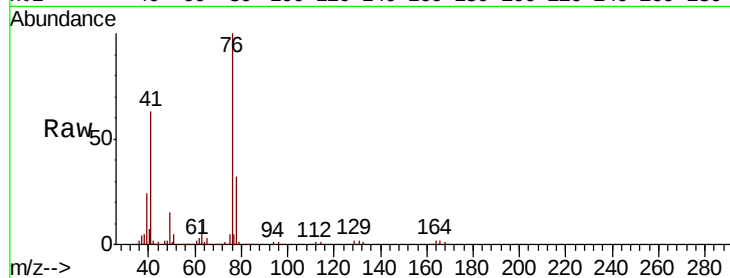
78 32.2 25.5 38.3

Manual Integrations

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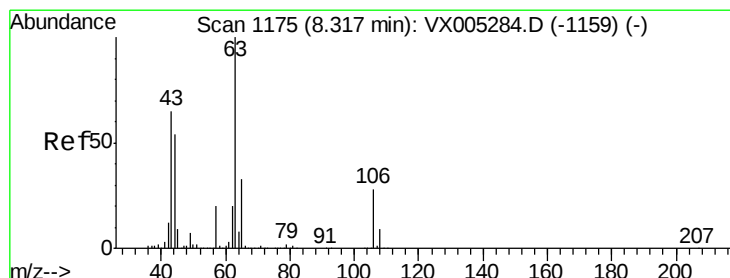
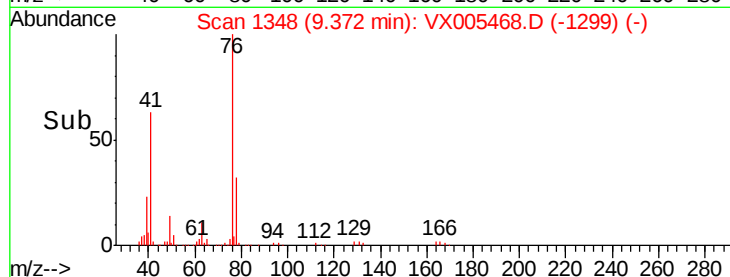
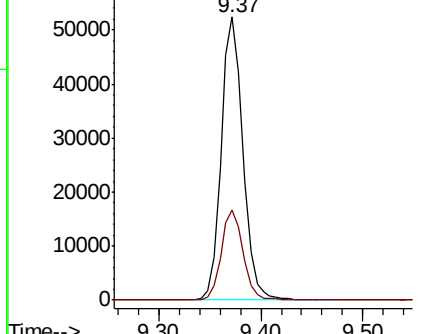
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 104.913 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VX005468.D

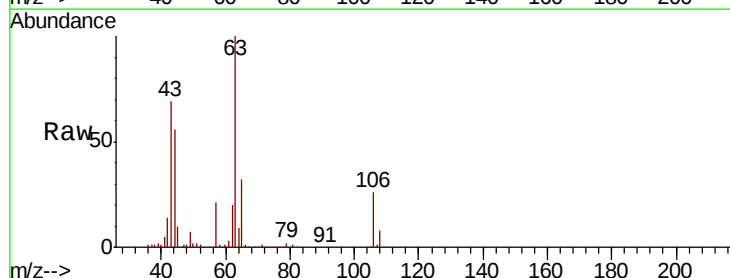
Acq: 22 Oct 2018 14:19

Tgt Ion: 63 Resp: 195729

Ion Ratio Lower Upper

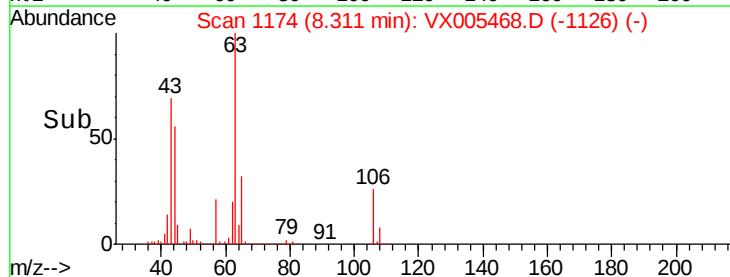
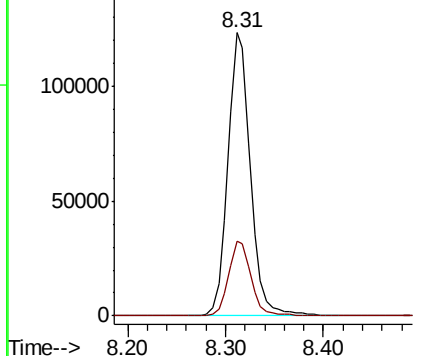
63 100

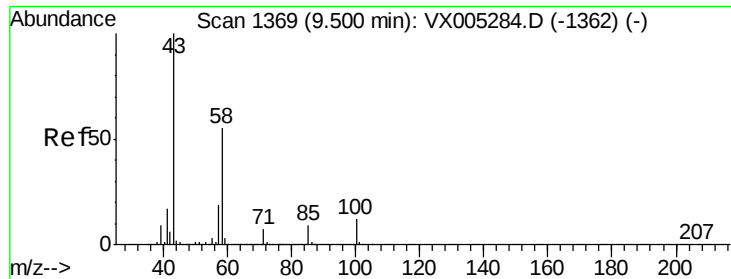
106 26.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





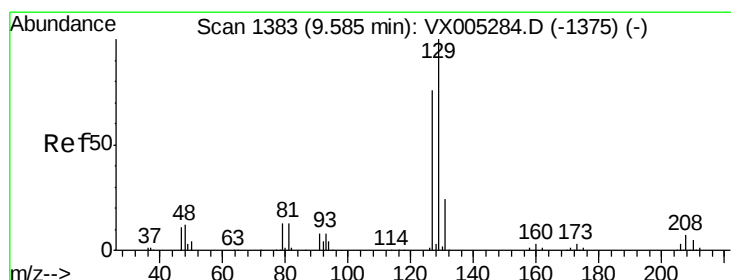
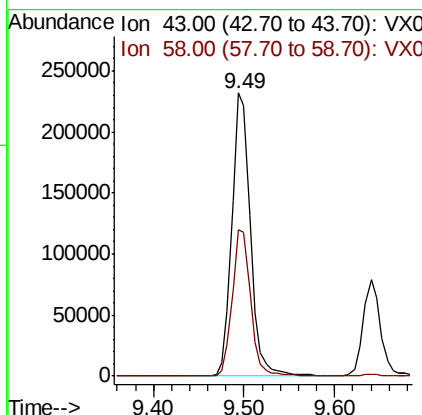
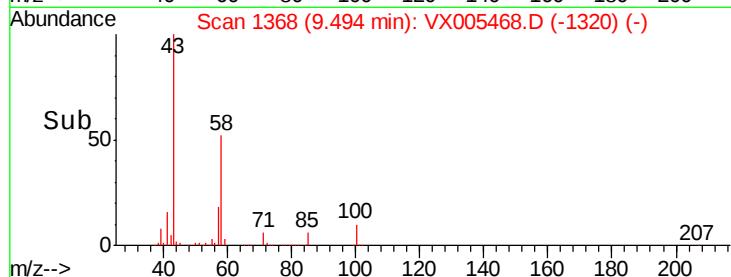
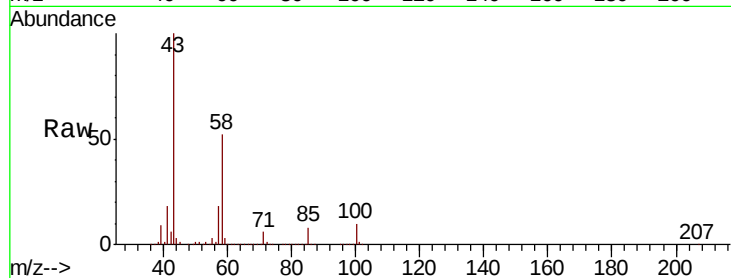
#59
2-Hexanone
Concen: 104.797 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion: 43 Resp: 328259
Ion Ratio Lower Upper
43 100
58 51.9 29.0 87.0

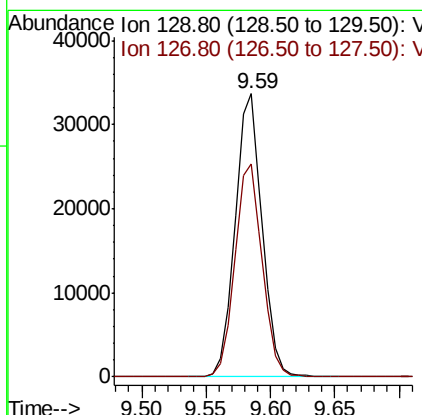
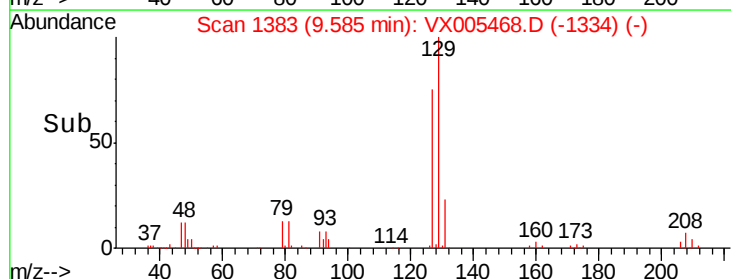
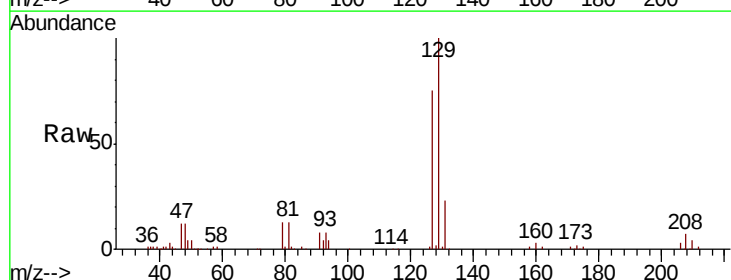
Manual Integrations
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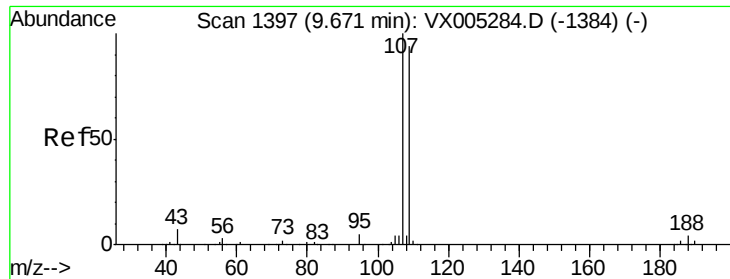
MMDadoda
10/23/2018 1:27:55 PM



#60
Dibromochloromethane
Concen: 20.648 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion: 129 Resp: 48704
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.274 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion:107 Resp: 48552

Ion Ratio Lower Upper

107 100

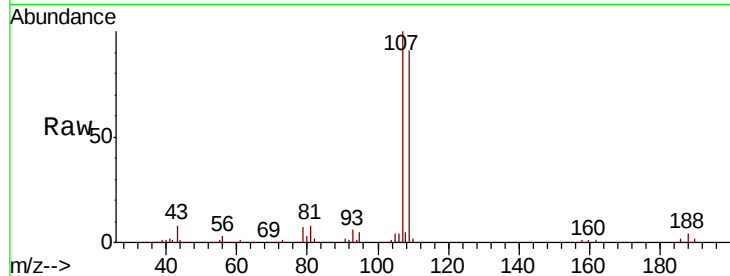
109 93.3 76.0 114.0

Manual Integrations

APPROVED

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

40000

30000

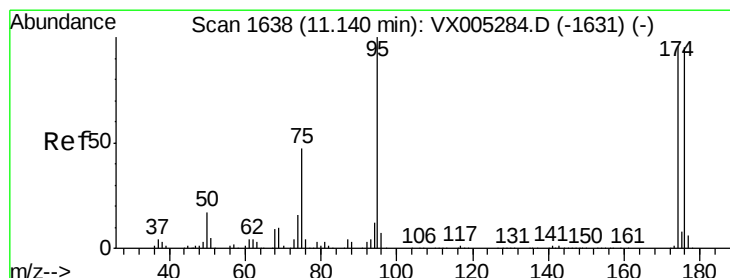
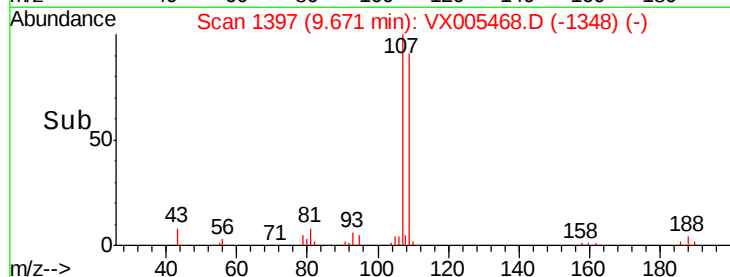
20000

10000

0

Time-->

9.60 9.70 9.80



#62

4-Bromofluorobenzene

Concen: 51.455 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

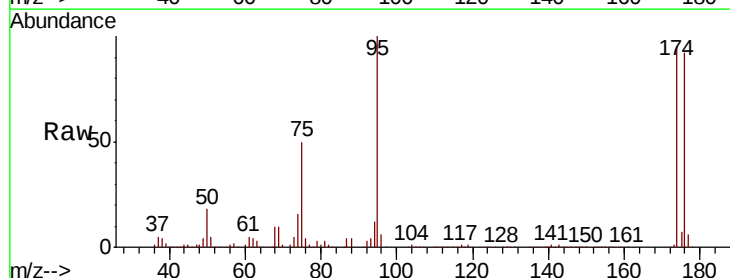
Tgt Ion: 95 Resp: 148980

Ion Ratio Lower Upper

95 100

174 91.1 0.0 185.2

176 88.4 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

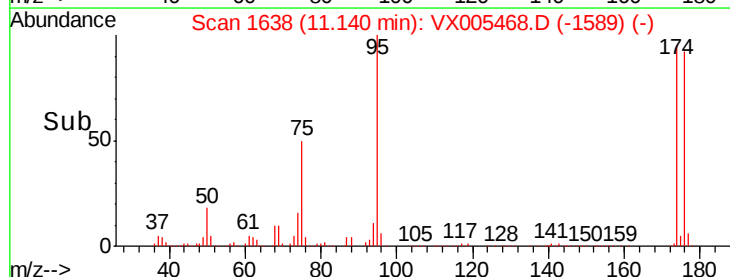
100000

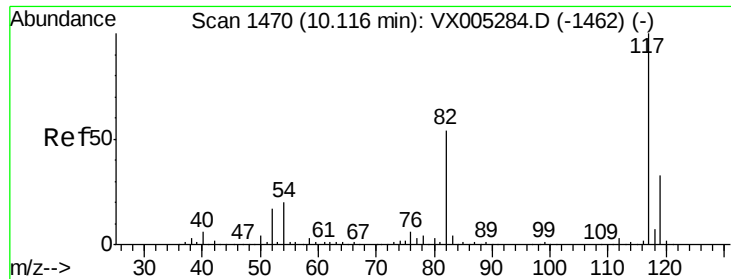
50000

0

Time-->

11.10 11.20





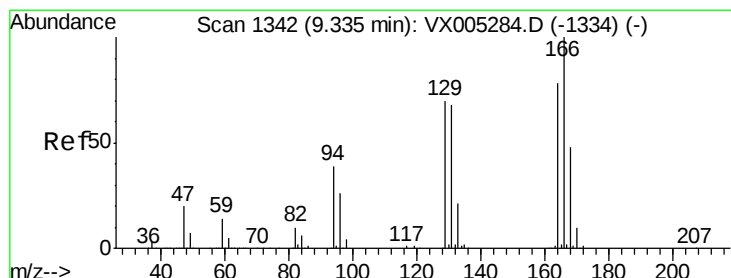
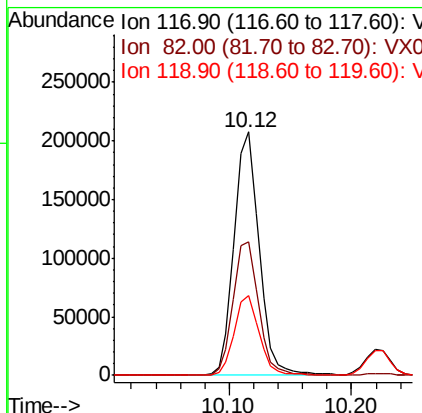
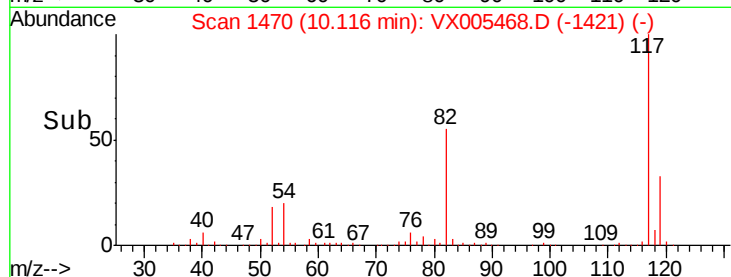
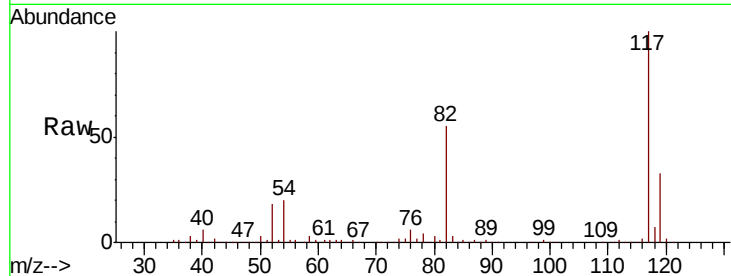
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	47.8	71.6
119	32.8	29.3	43.9

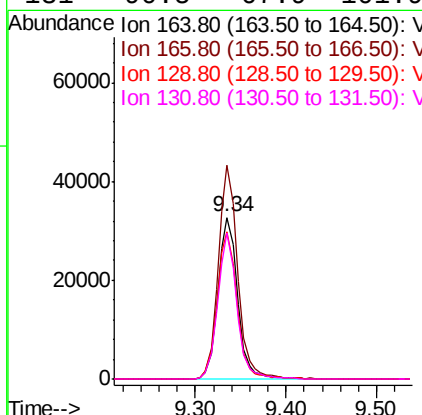
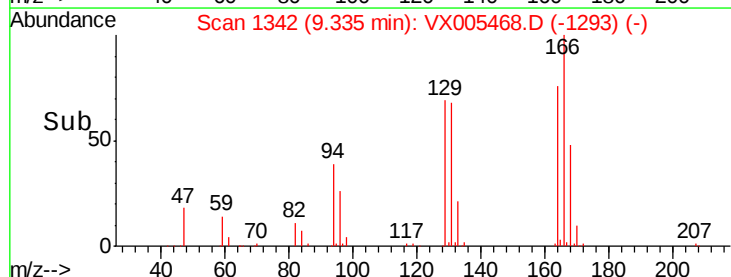
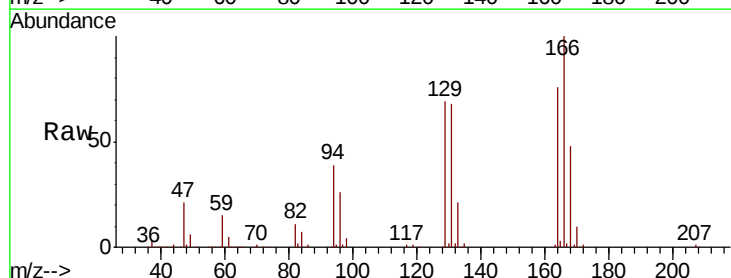
Manual Integrations
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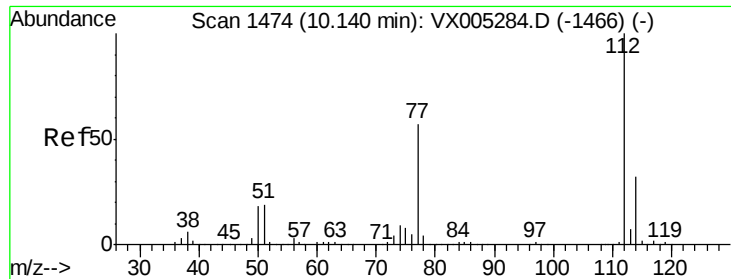
MMDadoda
10/23/2018 1:27:55 PM



#64
Tetrachloroethene
Concen: 21.031 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	102.8	154.2
129	91.4	69.4	104.0
131	90.5	67.9	101.9





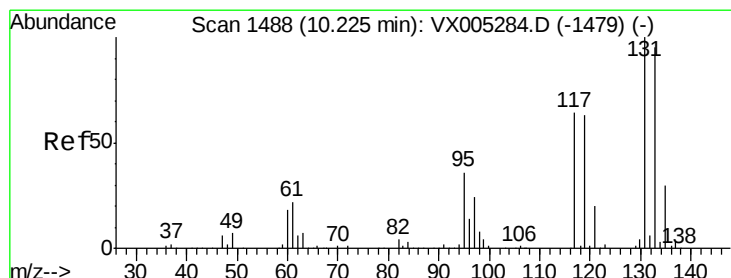
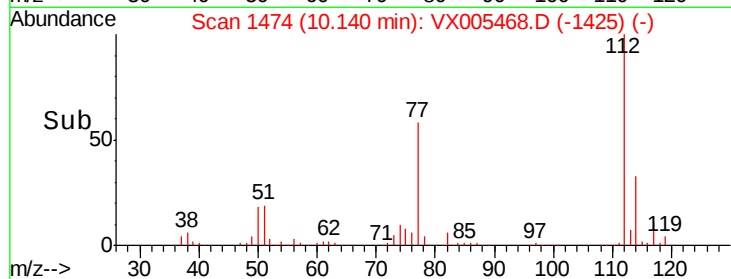
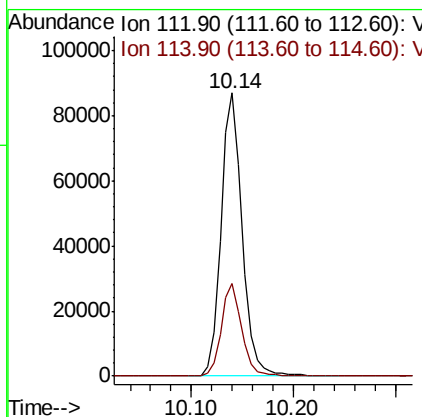
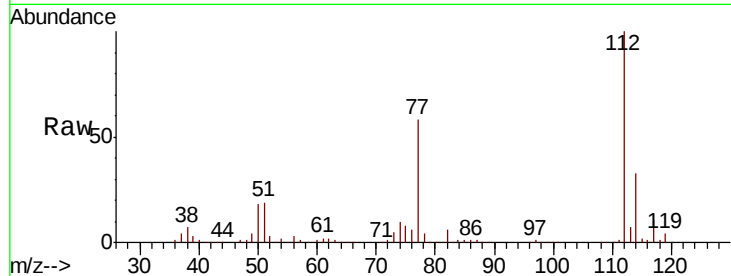
#65
Chlorobenzene
Concen: 20.000 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion:112 Resp: 125245
Ion Ratio Lower Upper
112 100
114 32.6 27.8 41.8

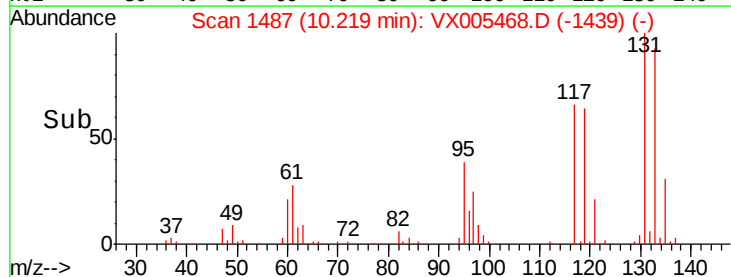
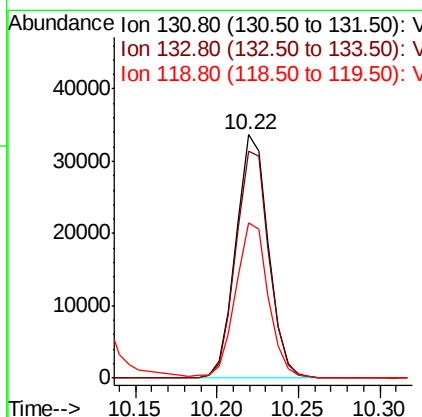
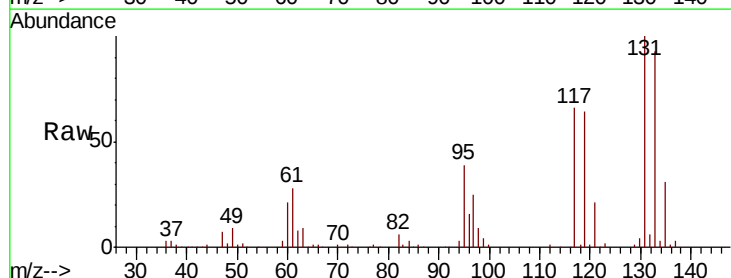
Manual Integrations
APPROVED

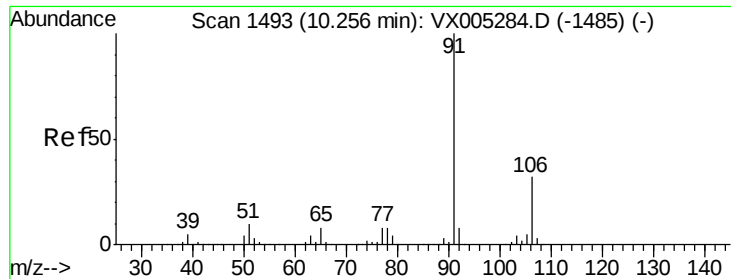
MMDadoda
10/23/2018 1:27:55 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.924 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion:131 Resp: 46694
Ion Ratio Lower Upper
131 100
133 95.6 48.1 144.4
119 64.8 32.9 98.6





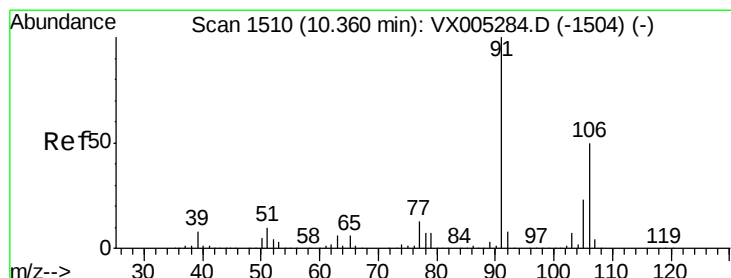
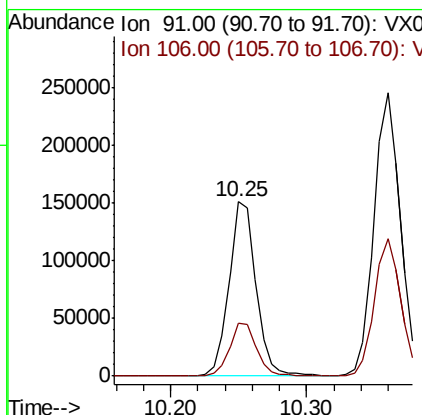
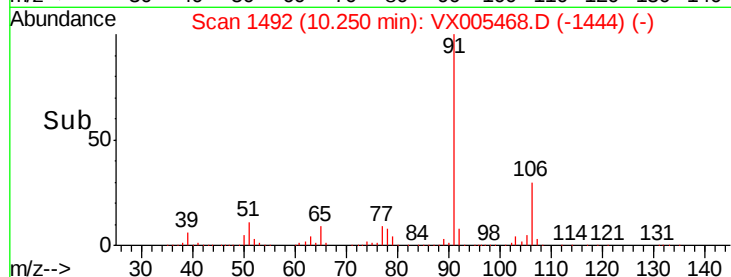
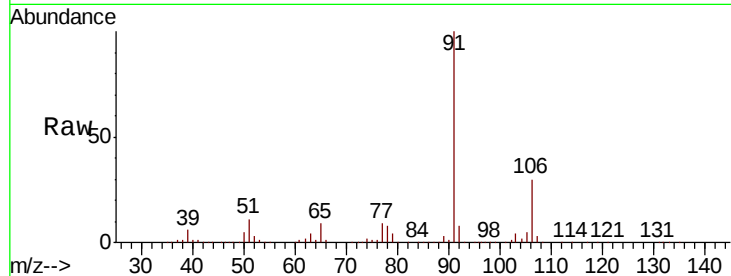
#67
Ethyl Benzene
Concen: 20.642 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion: 91 Resp: 210149
Ion Ratio Lower Upper
91 100
106 30.2 25.9 38.9

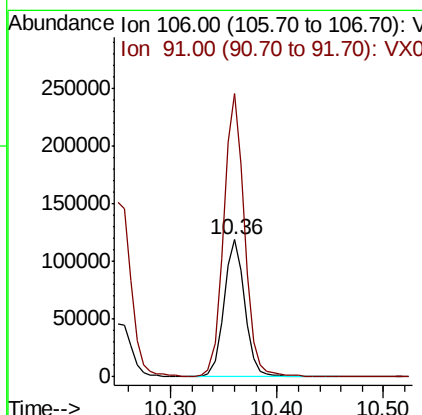
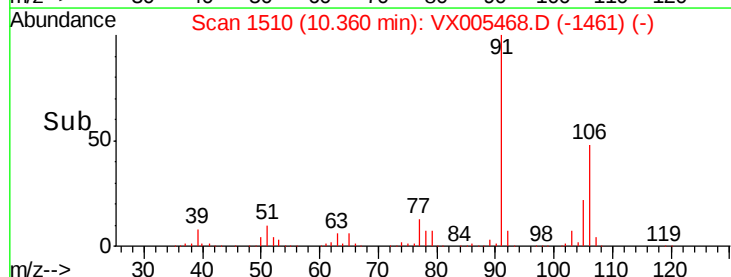
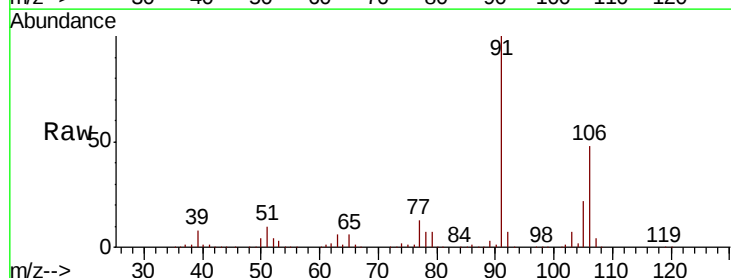
Manual Integrations
APPROVED

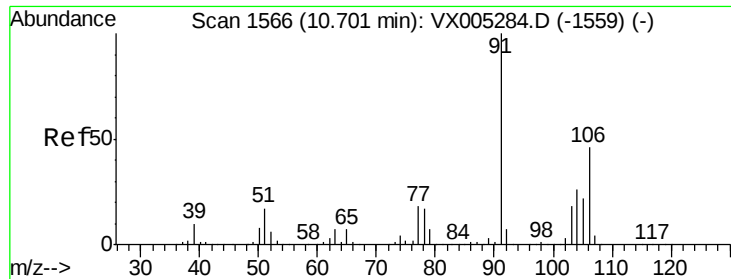
MMDadoda
10/23/2018 1:27:55 PM



#68
m/p-Xylenes
Concen: 41.374 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion: 106 Resp: 163485
Ion Ratio Lower Upper
106 100
91 206.4 157.1 235.7





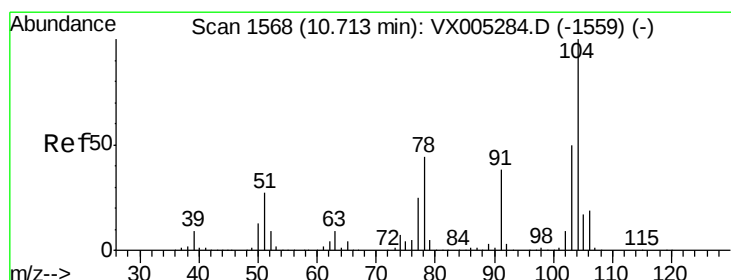
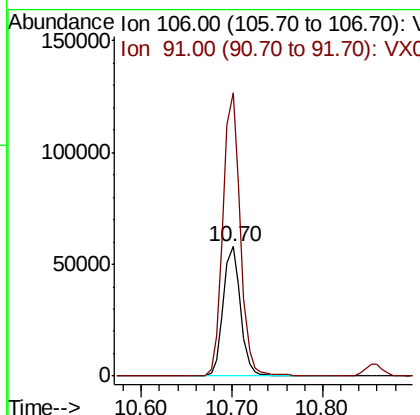
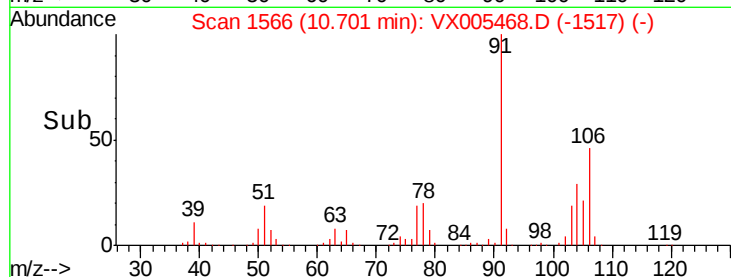
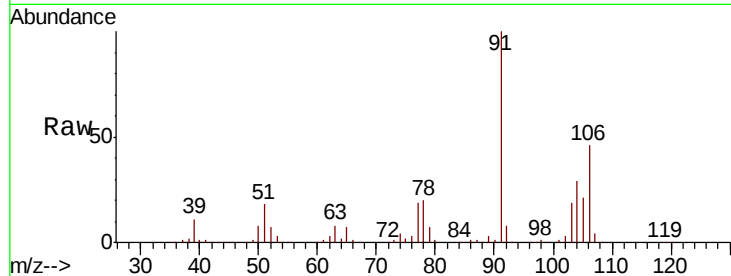
#69
o-Xylene
Concen: 20.375 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion:106 Resp: 77645
Ion Ratio Lower Upper
106 100
91 217.9 105.1 315.1

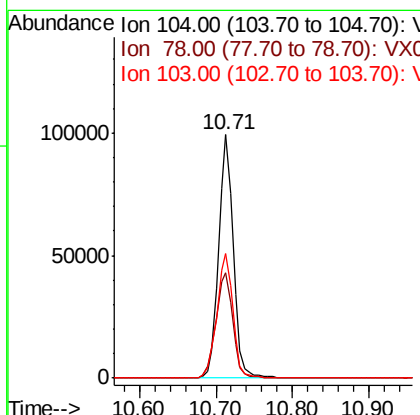
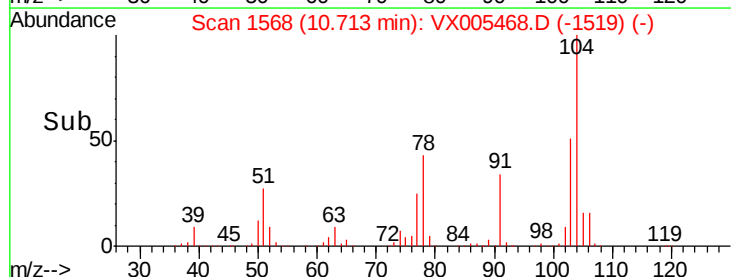
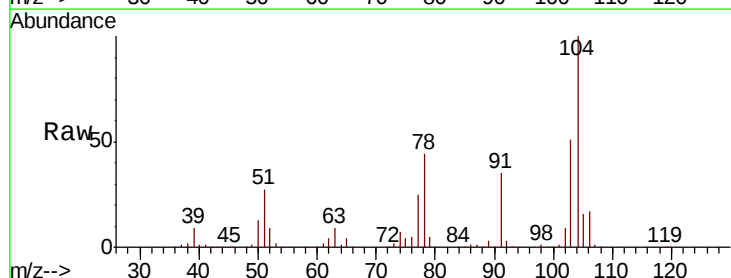
Manual Integrations
APPROVED

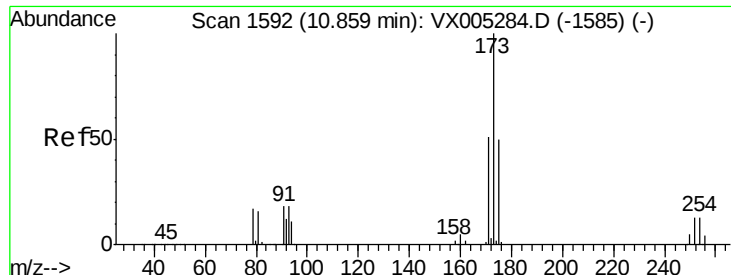
MMDadoda
10/23/2018 1:27:55 PM



#70
Styrene
Concen: 21.044 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion:104 Resp: 131910
Ion Ratio Lower Upper
104 100
78 50.2 37.4 56.0
103 56.1 43.8 65.6





#71

Bromoform

Concen: 19.603 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion:173 Resp: 39094

Ion Ratio Lower Upper

173 100

175 49.7 24.1 72.3

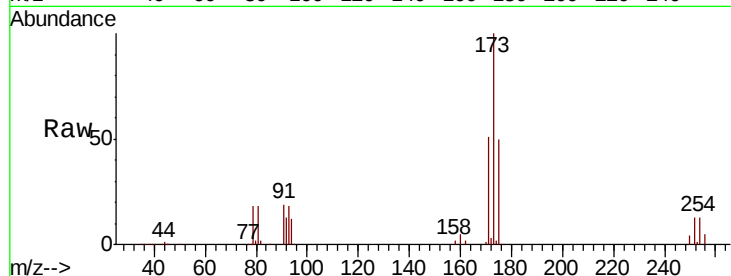
254 0.0 0.2 0.2#

Manual Integrations

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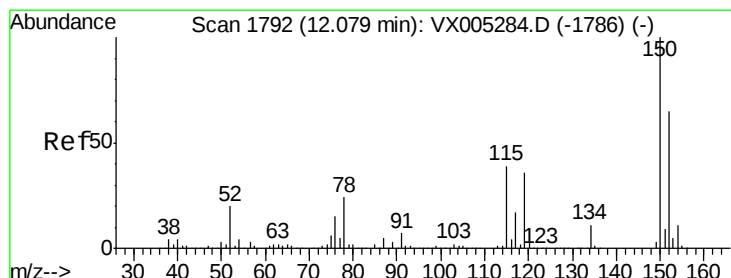
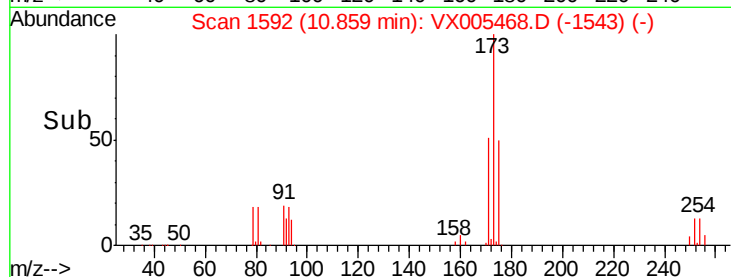
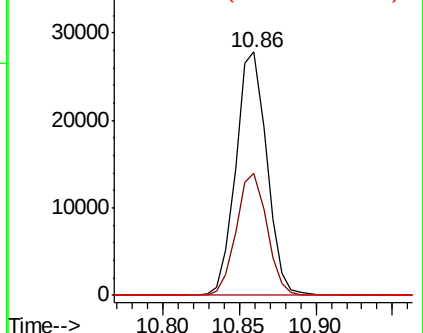
10/23/2018 1:27:55 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

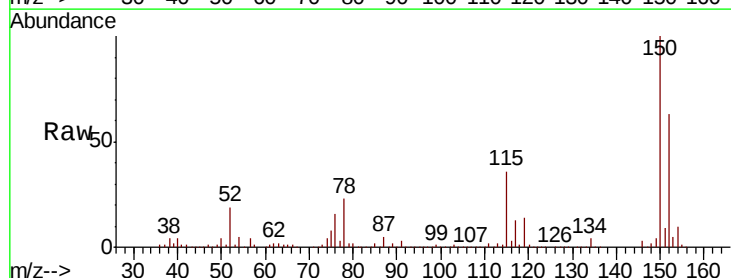
Tgt Ion:152 Resp: 170557

Ion Ratio Lower Upper

152 100

115 64.8 39.0 117.0

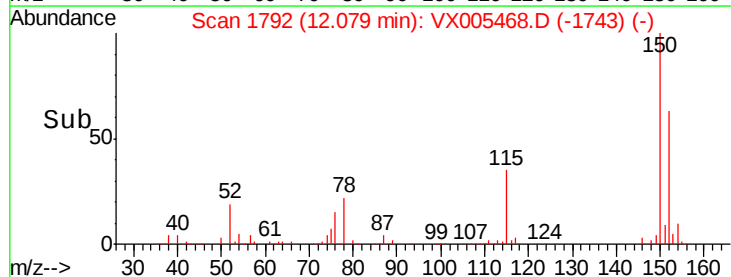
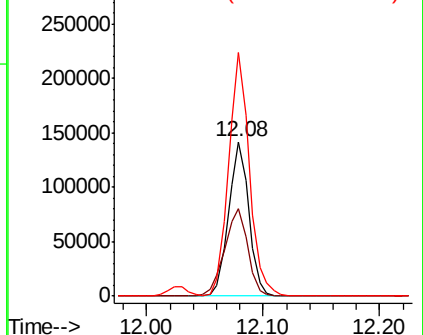
150 162.8 0.0 351.0

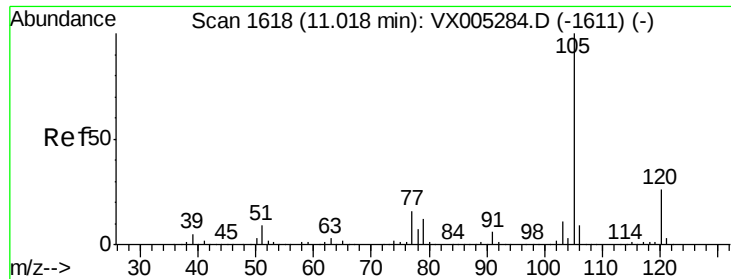


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





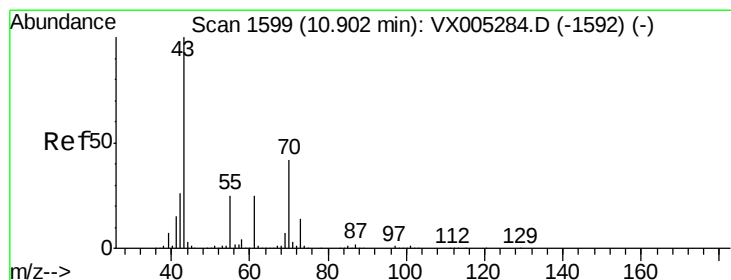
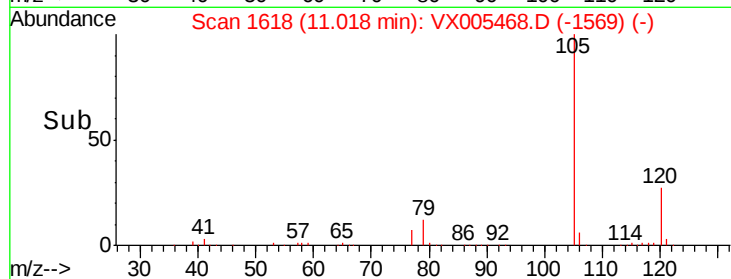
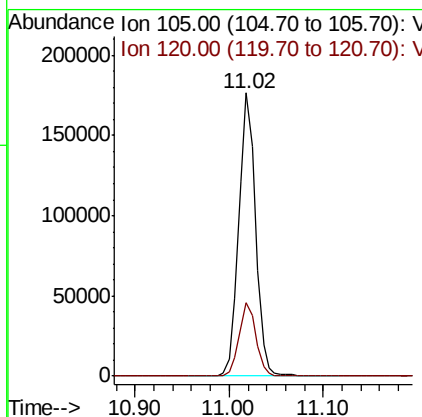
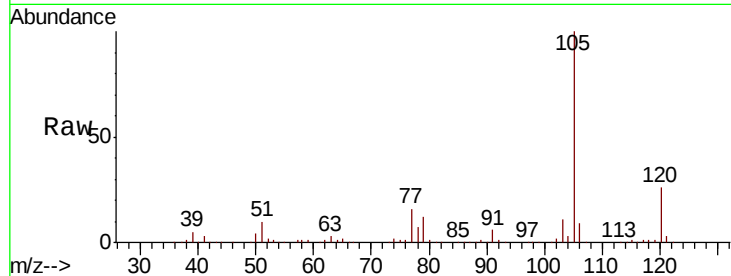
#73
Isopropylbenzene
Concen: 21.643 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.2	13.5	40.4

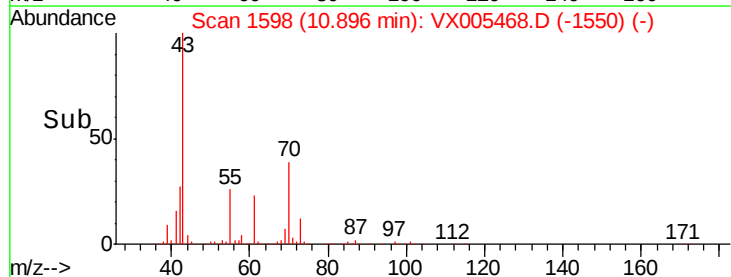
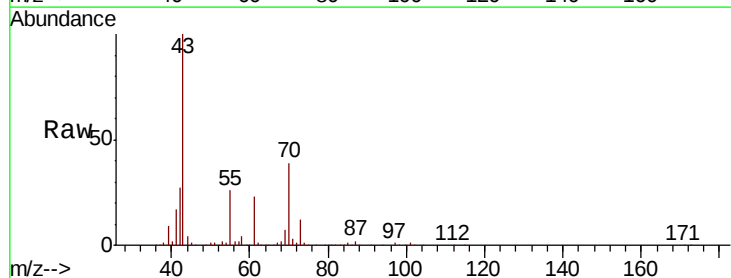
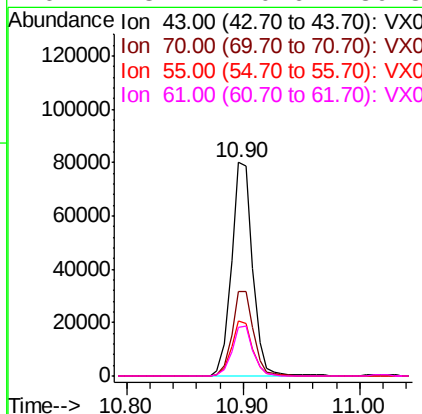
Manual Integrations
APPROVED

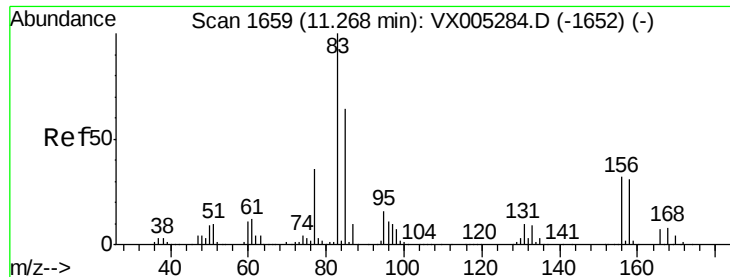
MMDadoda
10/23/2018 1:27:55 PM



#74
N-ethyl acetate
Concen: 20.777 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.2	37.4	56.0
55	25.8	21.8	32.8
61	23.1	20.6	30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.977 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

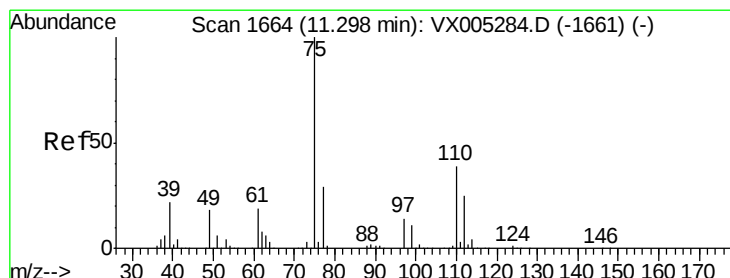
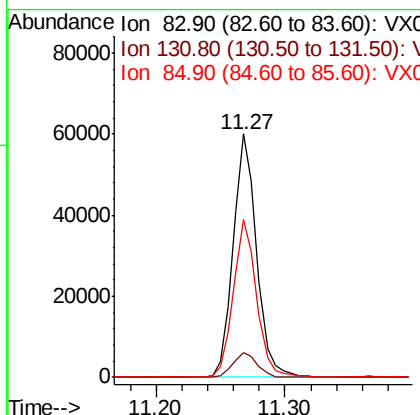
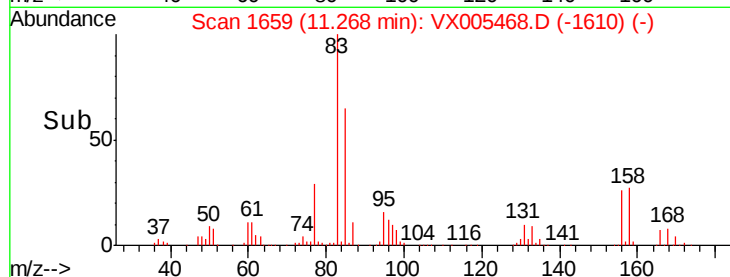
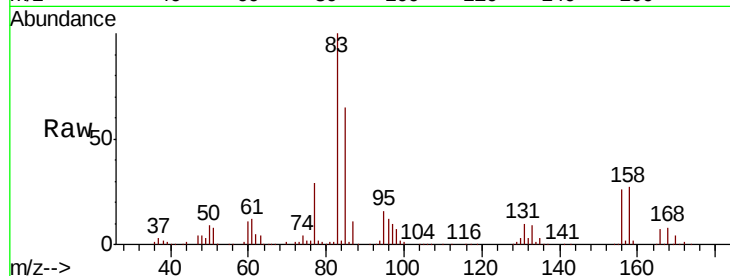
ClientSampleId :

VX1022WBS01

Tot Ion:	83	Resp:	76408
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.2	15.6
85	64.4	32.3	96.8

Manual Integrations
APPROVED

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#76

1,2,3-Trichloropropane

Concen: 21.871 ug/l m

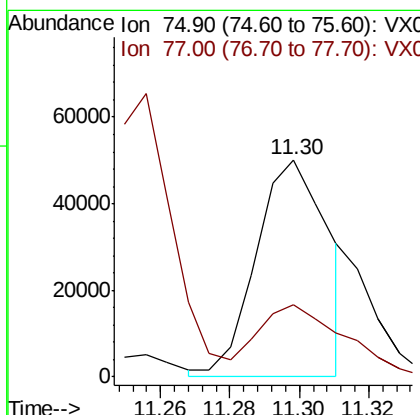
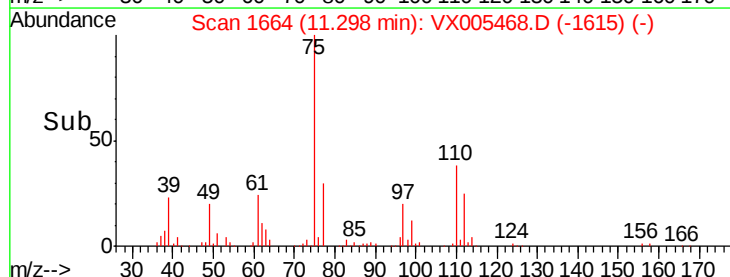
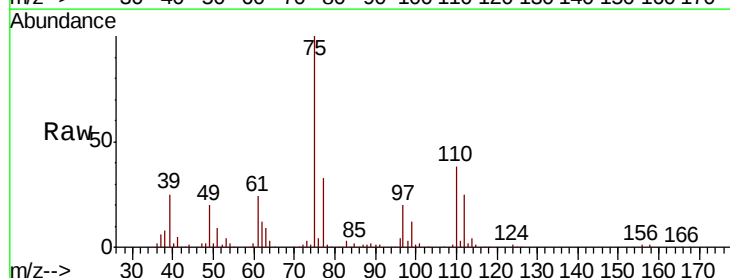
RT: 11.30 min Scan# 1664

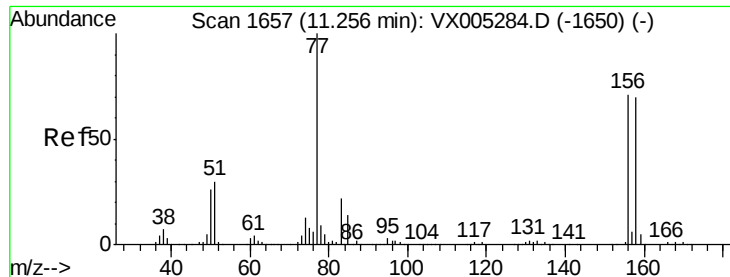
Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Tgt Ion:	75	Resp:	72355
Ion Ratio	Lower	Upper	
75	100		
77	39.6	20.2	60.6





#77

Bromobenzene

Concen: 20.513 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion:156 Resp: 59468

Ion Ratio Lower Upper

156 100

77 143.0 71.5 214.3

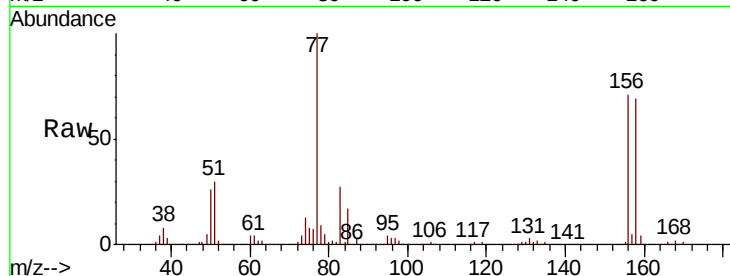
158 97.1 48.9 146.8

Manual Integrations

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MMDadoda

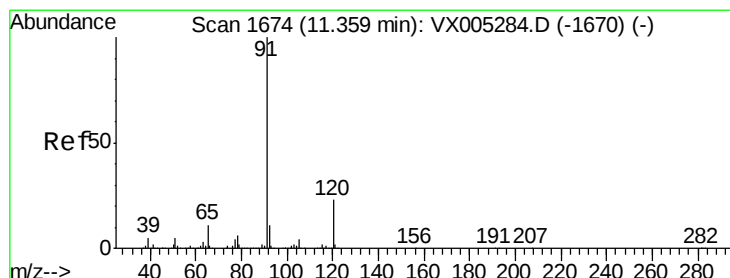
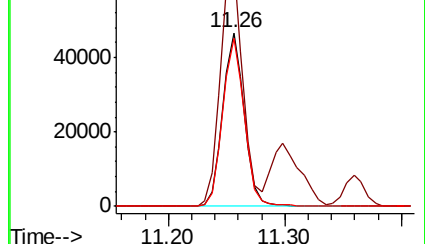
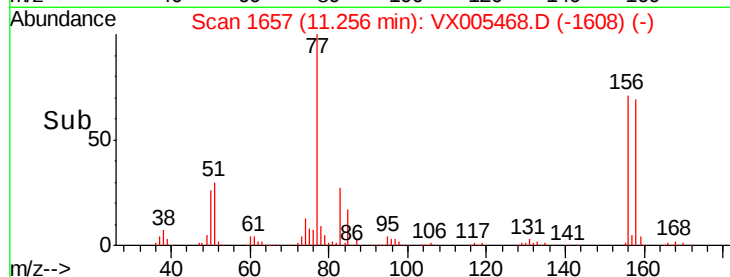
10/23/2018 1:27:55 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.749 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005468.D

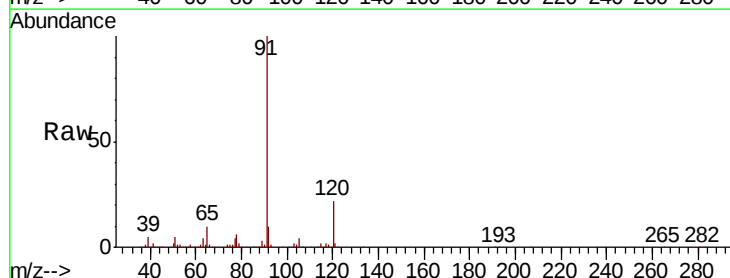
Acq: 22 Oct 2018 14:19

Tgt Ion: 91 Resp: 253751

Ion Ratio Lower Upper

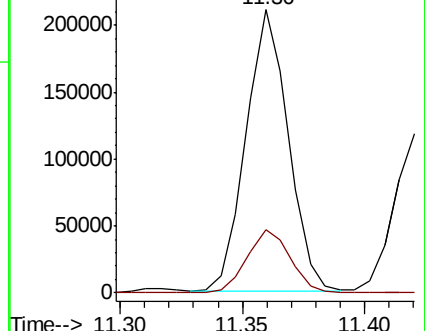
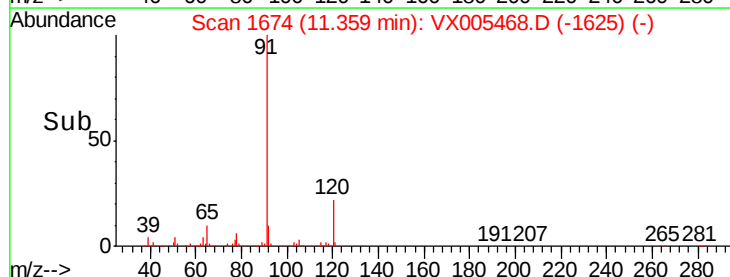
91 100

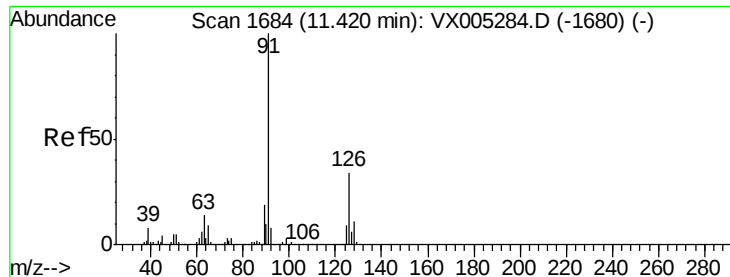
120 23.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





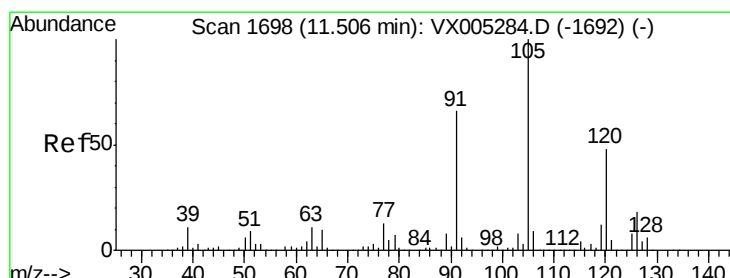
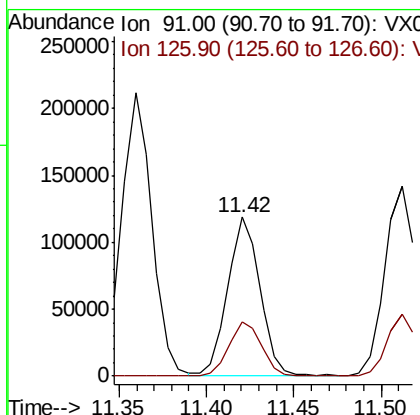
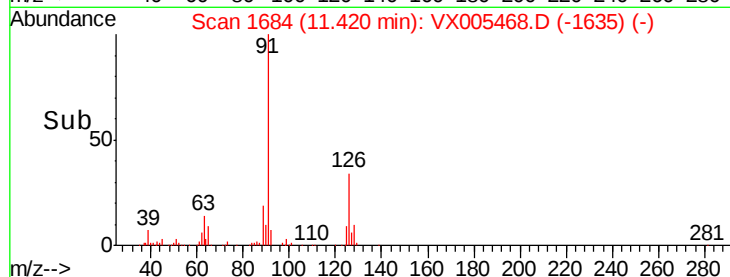
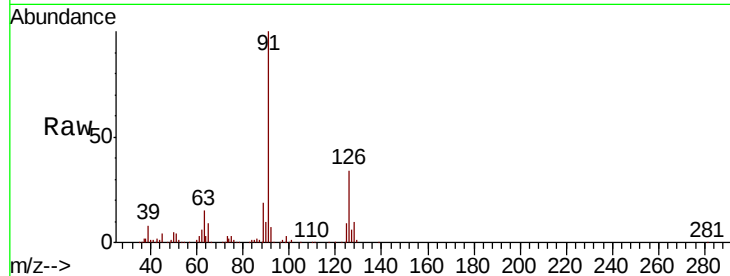
#79
 2-Chlorotoluene
 Concen: 21.204 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion: 91 Resp: 151511
 Ion Ratio Lower Upper
 91 100
 126 34.9 17.9 53.7

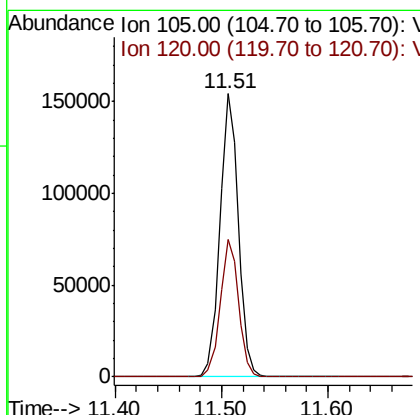
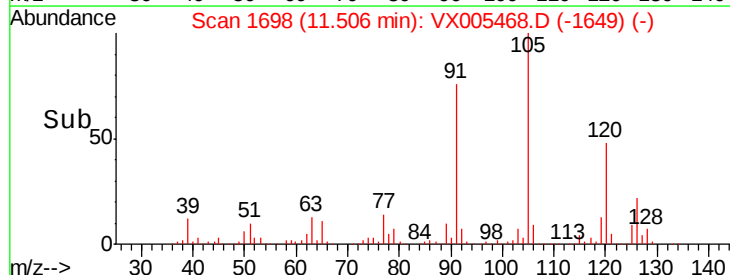
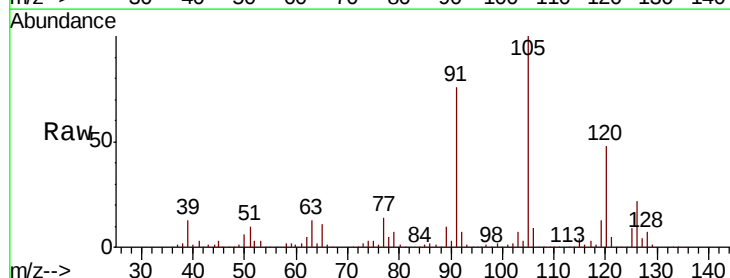
Manual Integrations
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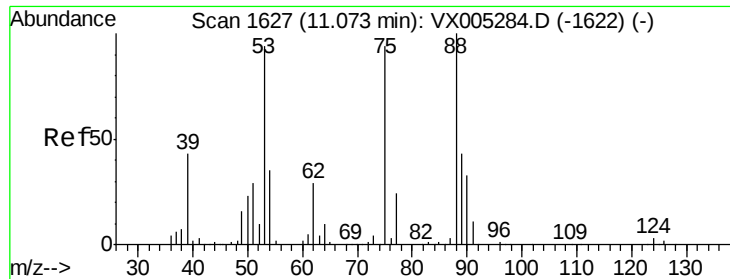
MMDadoda
 10/23/2018 1:27:55 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.412 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion: 105 Resp: 185915
 Ion Ratio Lower Upper
 105 100
 120 48.2 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 19.678 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion: 75 Resp: 21426

Ion Ratio Lower Upper

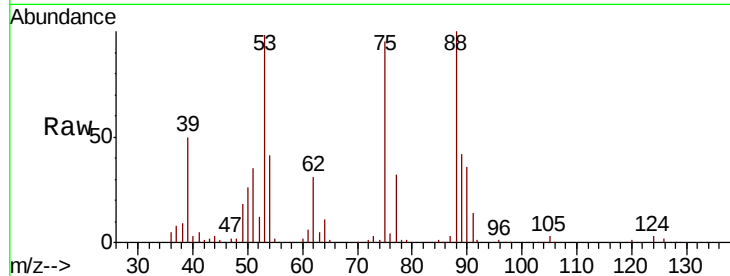
75 100

53 104.7 80.1 120.1

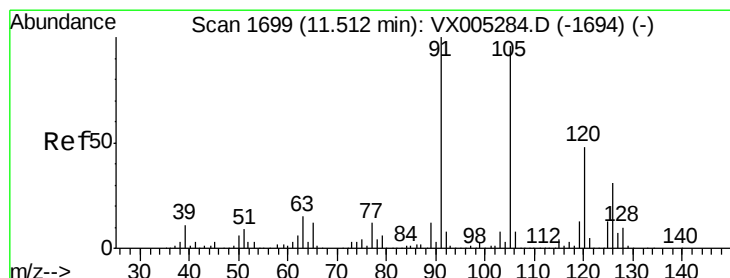
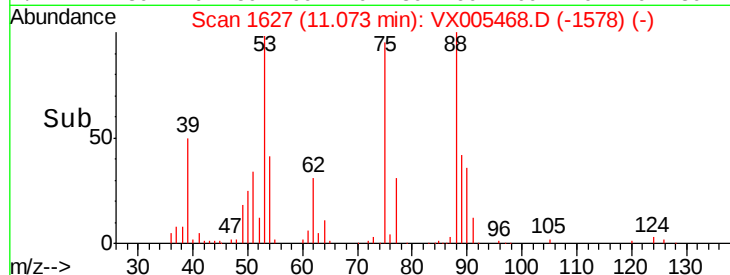
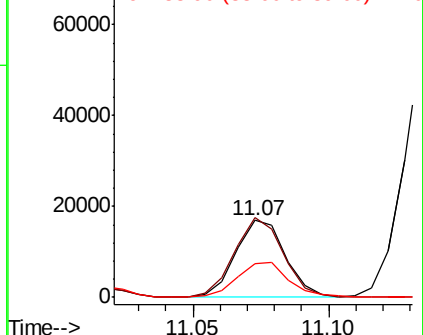
89 48.5 37.2 55.8

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 53.00 (52.70 to 53.70): VX0
Ion 88.90 (88.60 to 89.60): VX0



#82

4-Chlorotoluene

Concen: 21.159 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.00 min

Lab File: VX005468.D

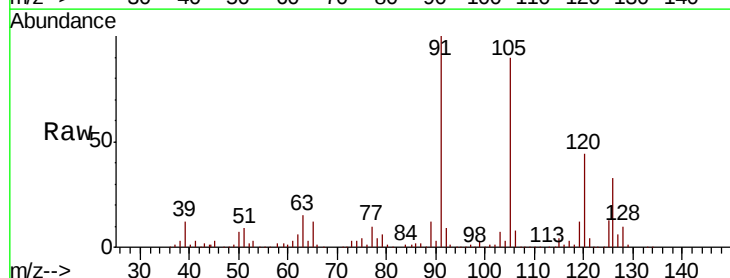
Acq: 22 Oct 2018 14:19

Tgt Ion: 91 Resp: 179230

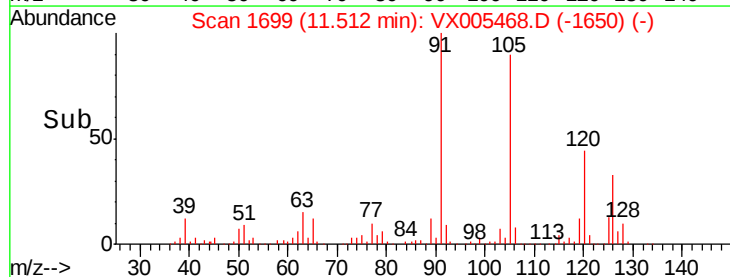
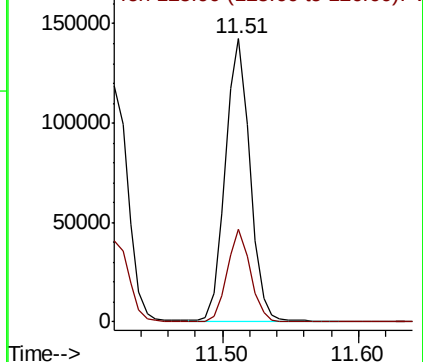
Ion Ratio Lower Upper

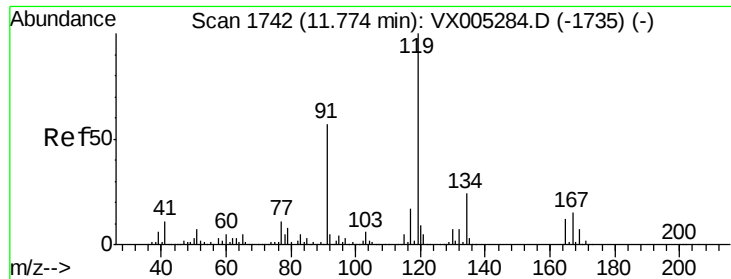
91 100

126 30.9 15.5 46.5



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 125.90 (125.60 to 126.60): V





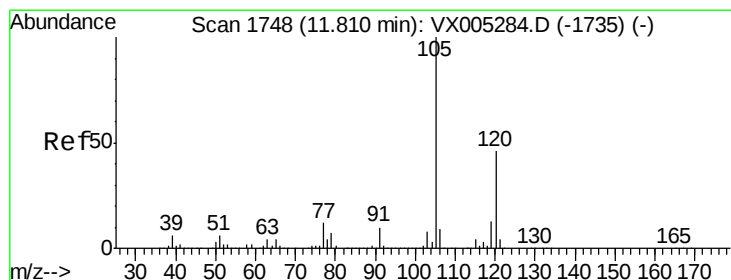
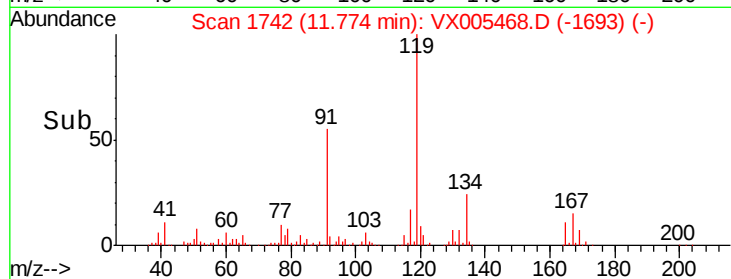
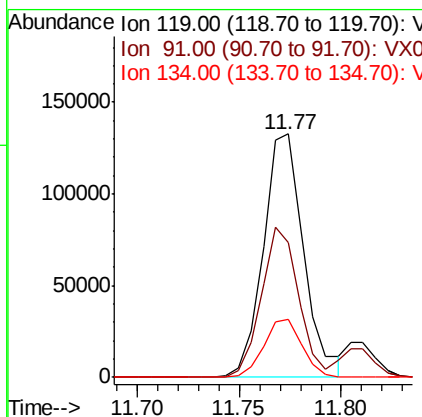
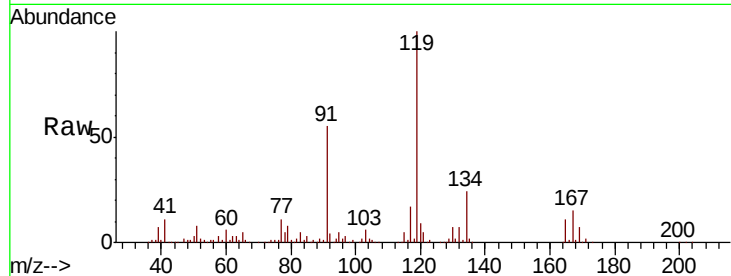
#83
tert-Butylbenzene
Concen: 20.787 ug/l
RT: 11.77 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.3	27.0	81.0
134	22.9	11.7	35.1

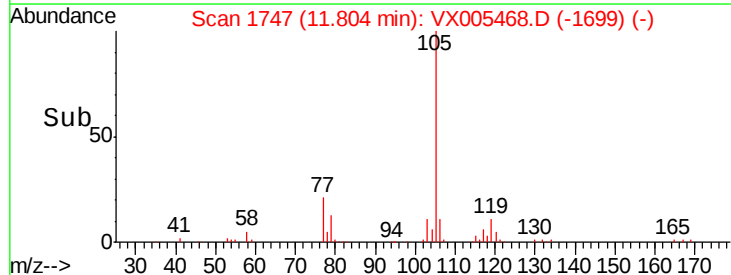
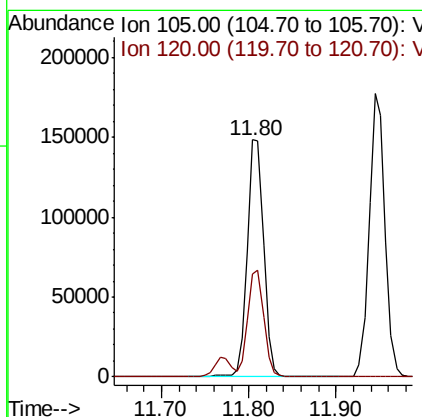
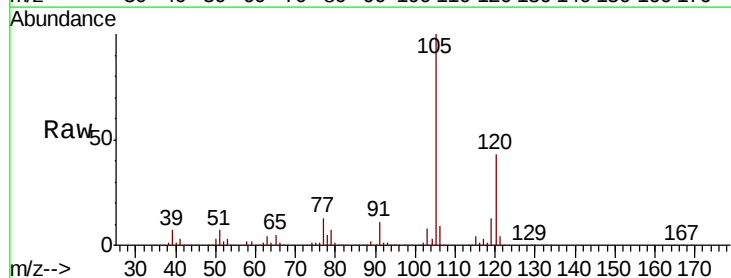
Manual Integrations
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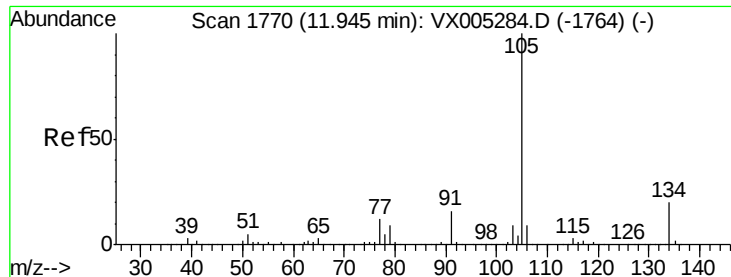
MMDadoda
10/23/2018 1:27:55 PM



#84
1,2,4-Trimethylbenzene
Concen: 21.444 ug/l
RT: 11.80 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.1	23.2	69.6





#85

sec-Butylbenzene

Concen: 21.586 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS01

Tot Ion:105 Resp: 224601

Ion Ratio Lower Upper

105 100

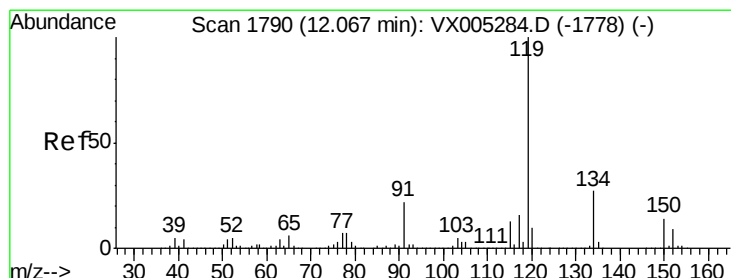
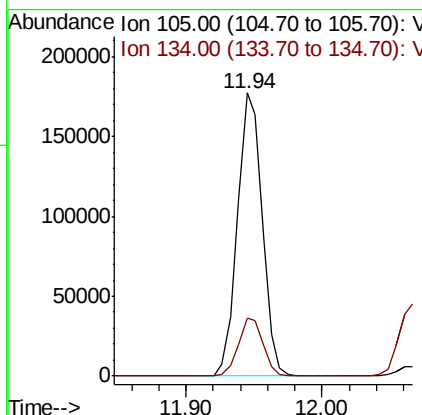
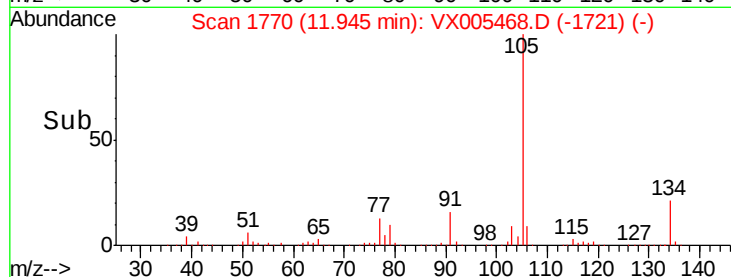
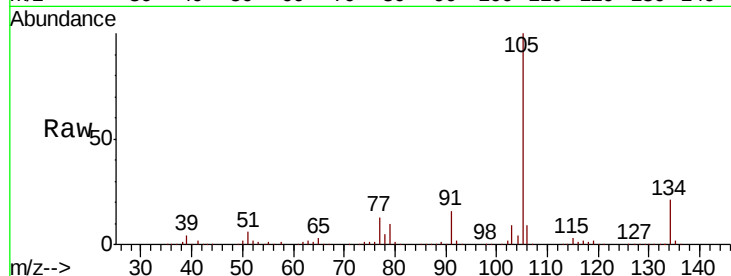
134 20.4 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 21.504 ug/l

RT: 12.07 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

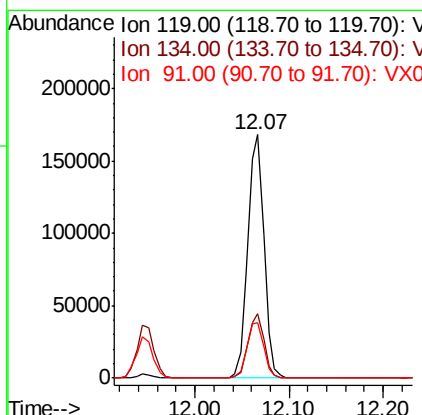
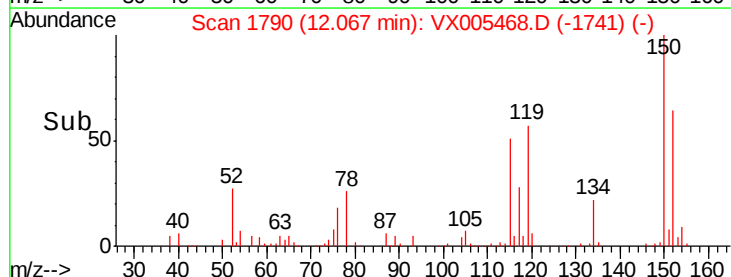
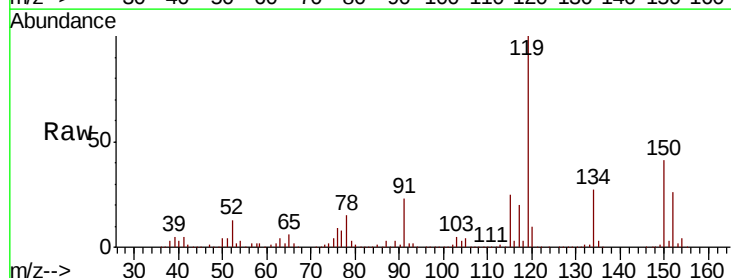
Tgt Ion:119 Resp: 202239

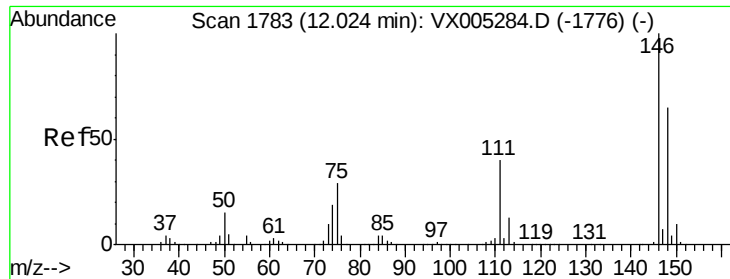
Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.2

91 23.5 10.9 32.7





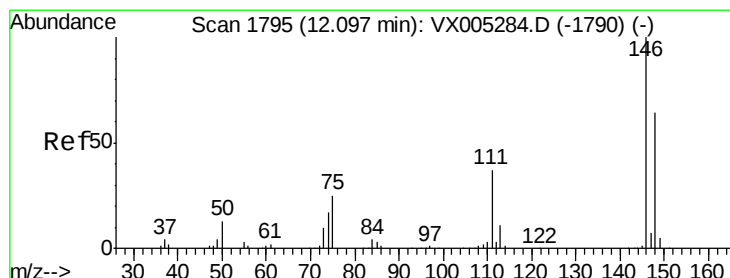
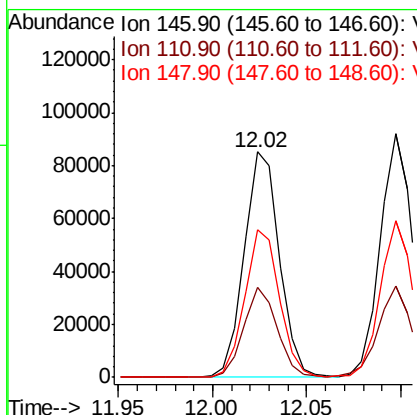
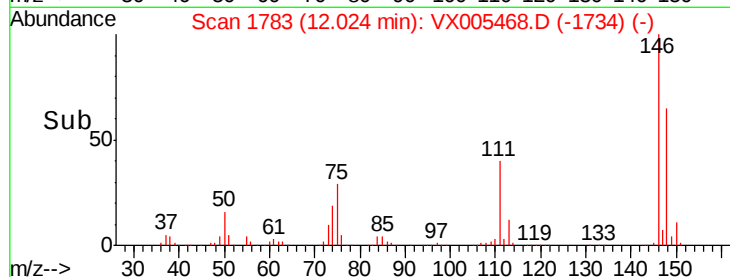
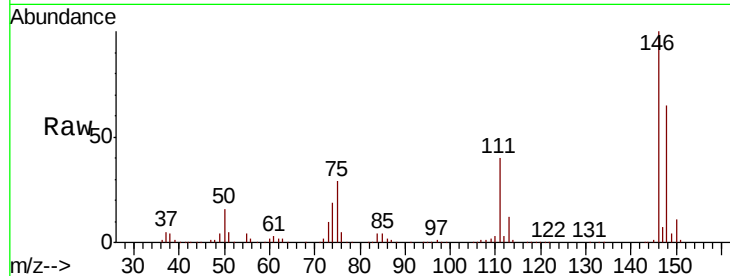
#87
 1,3-Dichlorobenzene
 Concen: 20.356 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.7	56.1
148	64.6	32.1	96.5

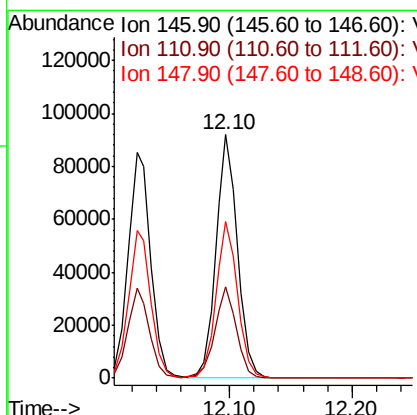
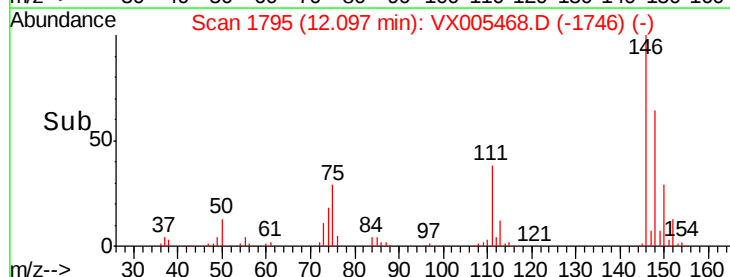
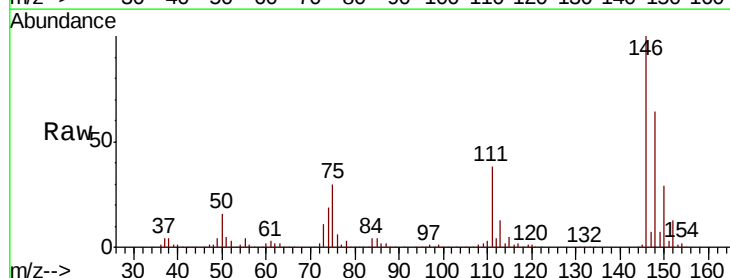
Manual Integrations
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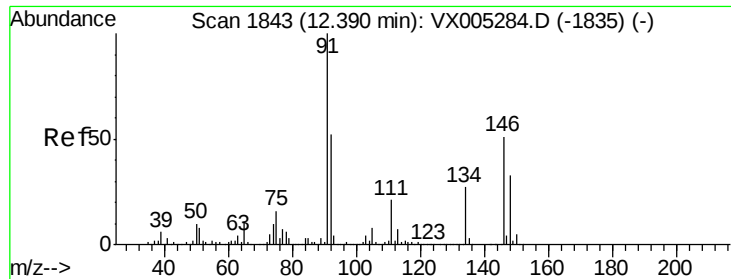
MMDadoda
 10/23/2018 1:27:55 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.280 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	18.1	54.1
148	64.7	32.0	96.0





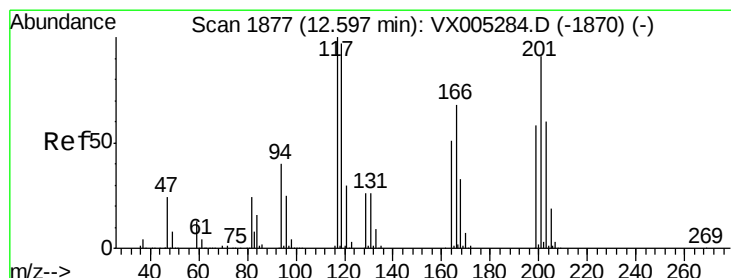
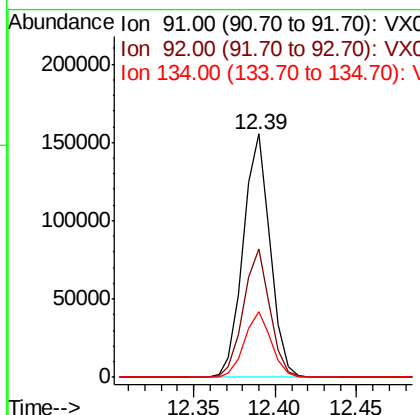
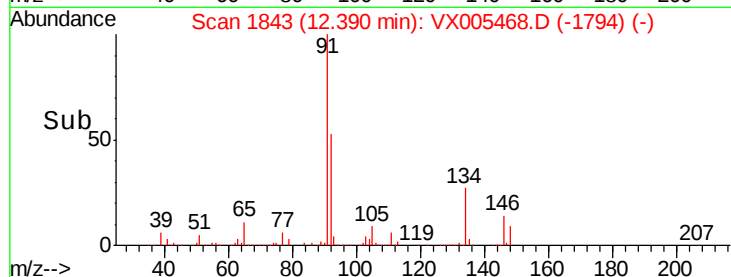
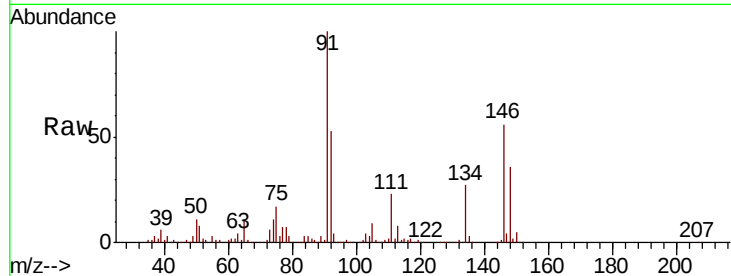
#89
n-Butylbenzene
Concen: 21.013 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		179430		
92	51.9	27.3	81.9		
134	26.6	13.6	40.7		

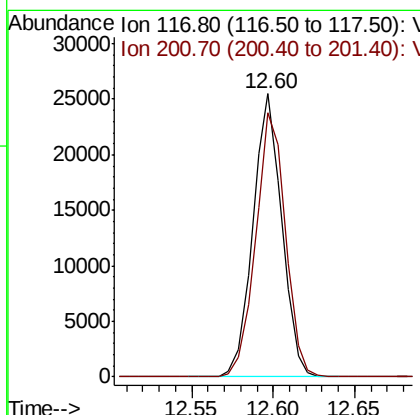
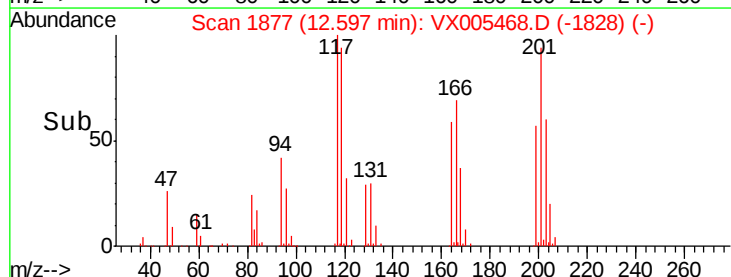
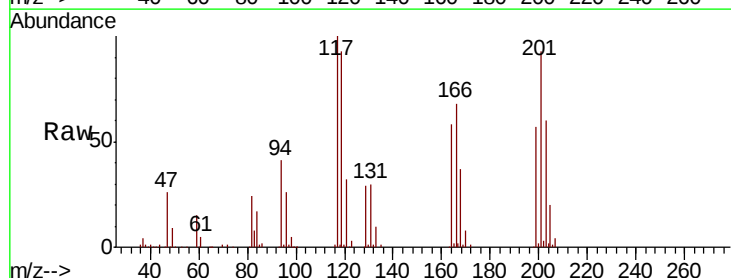
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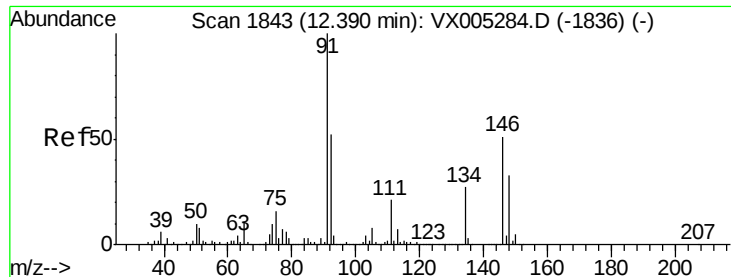
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#90
Hexachloroethane
Concen: 19.349 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005468.D
Acq: 22 Oct 2018 14:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		31360		
201	95.9	46.9	140.6		





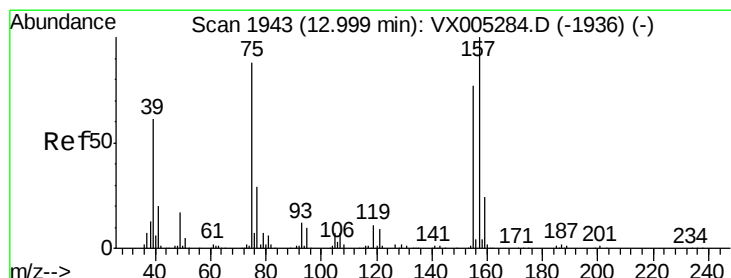
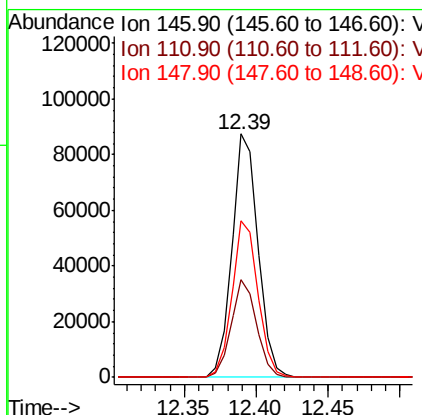
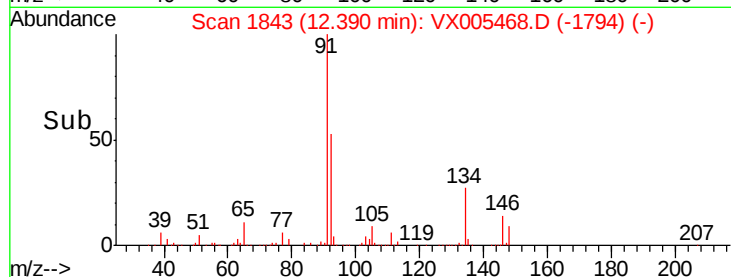
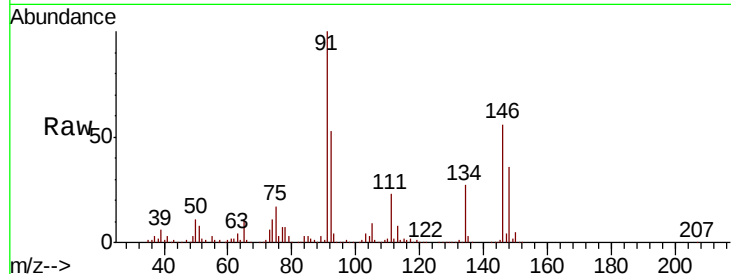
#91
 1,2-Dichlorobenzene
 Concen: 20.100 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.4	58.1
148	64.1	32.8	98.3

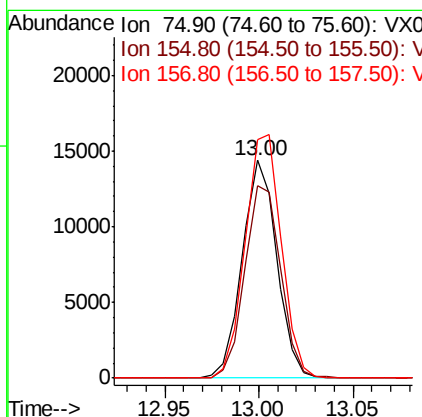
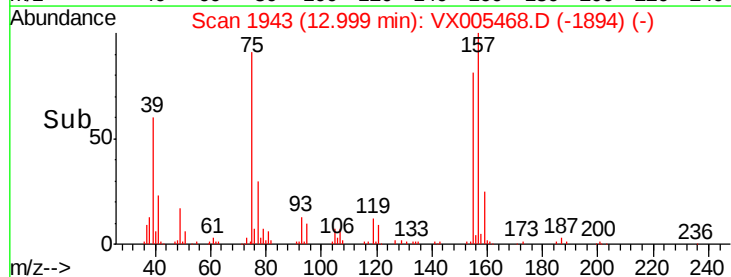
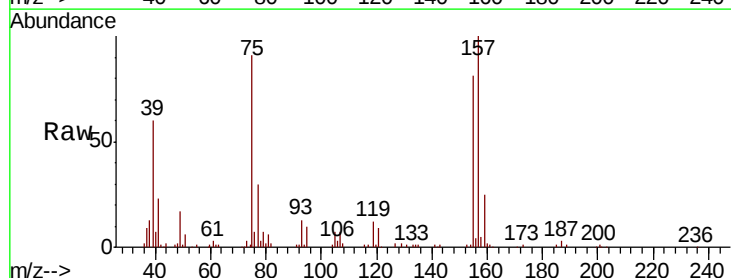
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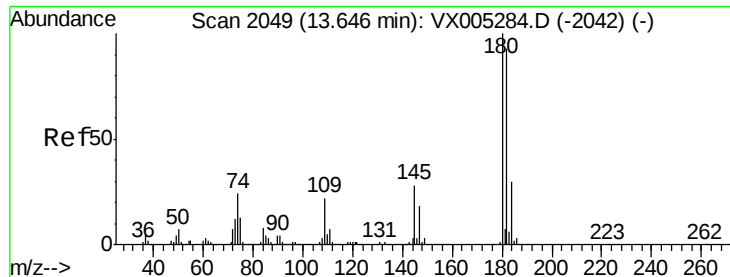
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.660 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.6	48.0	144.2
157	117.1	61.4	184.1





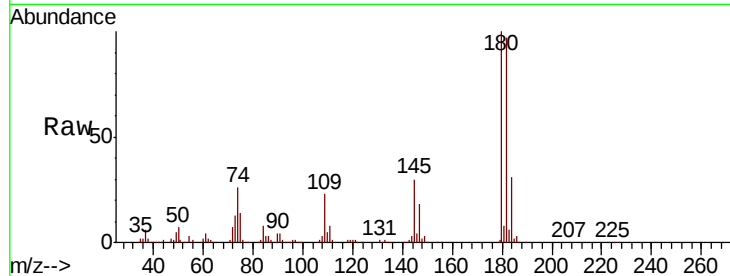
#93
 1,2,4-Trichlorobenzene
 Concen: 20.513 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS01

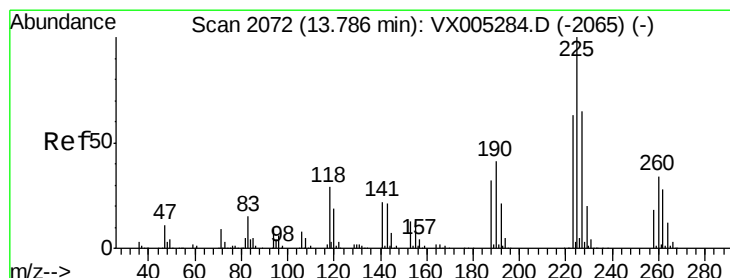
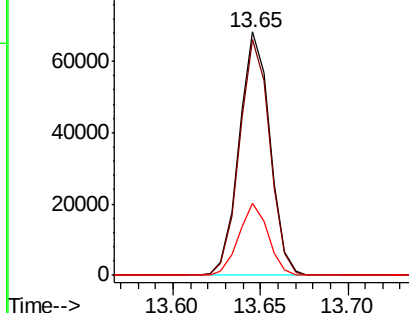
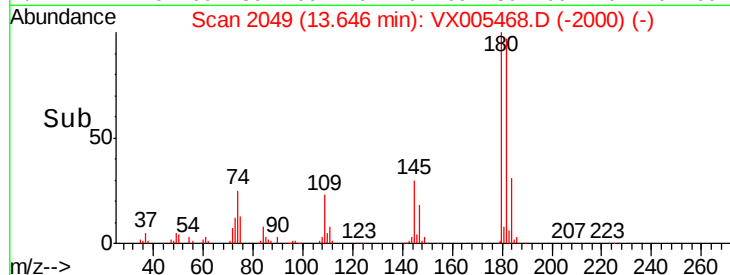
Tot Ion	Ratio	Resp	Lower	Upper
180	100	83197		
182	95.9	48.4	145.0	
145	28.3	14.3	42.9	

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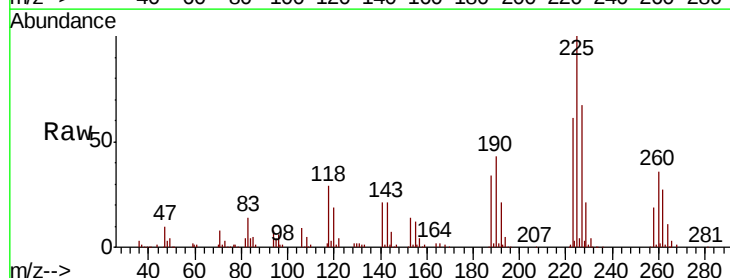


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

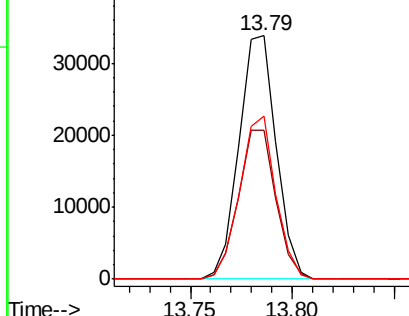
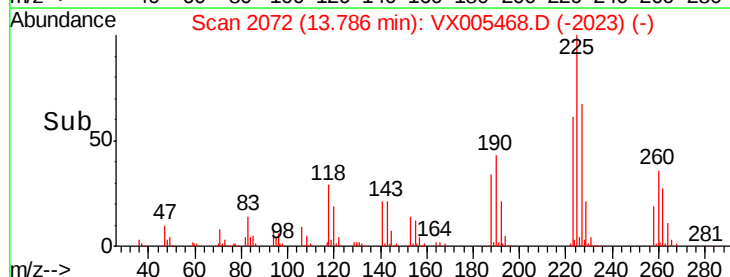


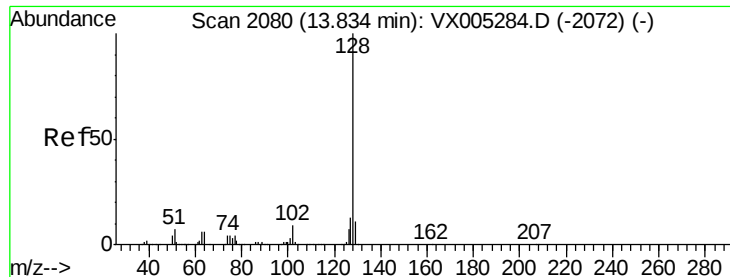
#94
 Hexachlorobutadiene
 Concen: 20.070 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005468.D
 Acq: 22 Oct 2018 14:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42991		
223	61.7	30.1	90.5	
227	64.7	30.8	92.4	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 20.922 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Instrument :

MSVOA_X

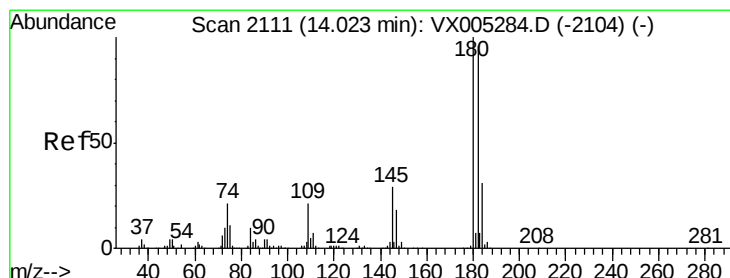
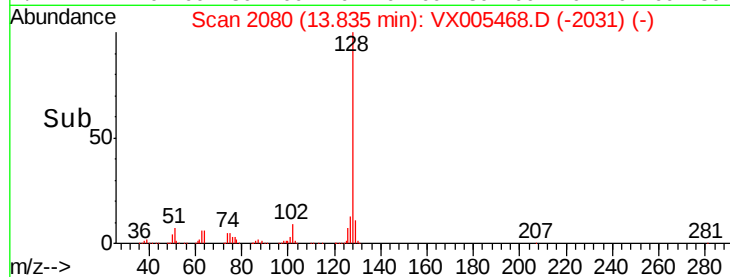
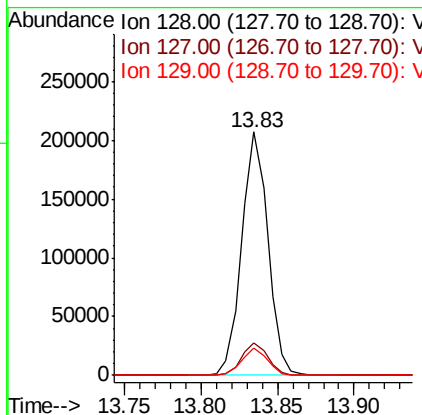
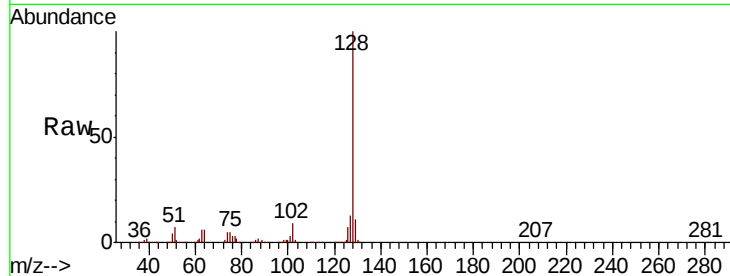
ClientSampleId :

VX1022WBS01

Tot Ion:	128	Resp:	246096
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.2	15.2
129	11.0	8.6	12.8

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 20.666 ug/l

RT: 14.02 min Scan# 2111

Delta R.T. 0.00 min

Lab File: VX005468.D

Acq: 22 Oct 2018 14:19

Tgt Ion:	180	Resp:	85763
Ion Ratio	Lower	Upper	
180	100		
182	95.3	48.5	145.6
145	29.8	14.9	44.9

