

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072018\
 Data File : VX003511.D
 Acq On : 20 Jul 2018 16:05
 Operator : JC/SP
 Sample : VX0720WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Manual Integrations
 APPROVED

MMDadoda
 7/23/2018 12:34:50 PM

Quant Time: Jul 20 16:45:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071918W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 19 17:09:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	297866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	423671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	399364	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	239551	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	192644	54.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.28%	
35) Dibromofluoromethane	5.51	113	171605	53.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.36%	
50) Toluene-d8	8.72	98	655549	54.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.10%	
62) 4-Bromofluorobenzene	11.14	95	233840	52.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	49787	20.631	ug/l	98
3) Chloromethane	1.32	50	67386	22.341	ug/l	99
4) Vinyl Chloride	1.40	62	75083	19.843	ug/l	99
5) Bromomethane	1.64	94	36727	23.062	ug/l	99
6) Chloroethane	1.72	64	47839	21.365	ug/l	100
7) Trichlorofluoromethane	1.93	101	103549	20.512	ug/l	99
8) Diethyl Ether	2.19	74	44368	20.463	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.38	101	65134	19.713	ug/l	98
10) Methyl Iodide	2.51	142	71869	18.106	ug/l	93
11) Tert butyl alcohol	3.07	59	72344	103.688	ug/l	100
12) 1,1-Dichloroethene	2.37	96	62173	20.436	ug/l	90
13) Acrolein	2.29	56	31894	101.173	ug/l	97
14) Allyl chloride	2.73	41	112332	20.858	ug/l	87
15) Acrylonitrile	3.15	53	190968	107.507	ug/l	98
16) Acetone	2.45	43	149266	112.075	ug/l	91
17) Carbon Disulfide	2.57	76	165471	20.110	ug/l	99
18) Methyl Acetate	2.78	43	106921	25.466	ug/l	92
19) Methyl tert-butyl Ether	3.20	73	216638	21.807	ug/l	98
20) Methylene Chloride	2.86	84	72555	21.791	ug/l	92
21) trans-1,2-Dichloroethene	3.17	96	67801	20.030	ug/l	91
22) Diisopropyl ether	3.87	45	212434	20.962	ug/l	97
23) Vinyl Acetate	3.82	43	854784	102.399	ug/l	96
24) 1,1-Dichloroethane	3.70	63	121781	20.482	ug/l	98
25) 2-Butanone	4.71	43	237114	106.111	ug/l	93
26) 2,2-Dichloropropane	4.59	77	78217	17.320	ug/l	93
27) cis-1,2-Dichloroethene	4.60	96	76899	20.403	ug/l	89
28) Bromochloromethane	5.02	49	55943	21.526	ug/l	86
29) Tetrahydrofuran	5.17	42	154907	104.941	ug/l	90
30) Chloroform	5.22	83	121555	20.936	ug/l	100
31) Cyclohexane	5.57	56	106734	20.091	ug/l	96
32) 1,1,1-Trichloroethane	5.49	97	103503	20.818	ug/l	97
36) 1,1-Dichloropropene	5.80	75	91683	20.043	ug/l	98
37) Ethyl Acetate	4.86	43	92078	21.272	ug/l	96
38) Carbon Tetrachloride	5.78	117	91335	20.356	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	105442	19.462	ug/l	95
40) Benzene	6.15	78	284369	20.590	ug/l	98
41) Methacrylonitrile	5.07	41	52948	20.813	ug/l	92
42) 1,2-Dichloroethane	6.20	62	92757	21.317	ug/l	94
43) Isopropyl Acetate	6.46	43	148910	21.627	ug/l	95
44) Trichloroethene	7.21	130	83735	20.330	ug/l	99
45) 1,2-Dichloropropane	7.52	63	73181	20.868	ug/l	99
46) Dibromomethane	7.67	93	47638	21.100	ug/l	94
47) Bromodichloromethane	7.90	83	87314	21.125	ug/l	98
48) Methyl methacrylate	7.78	41	73996	21.310	ug/l #	84
49) 1,4-Dioxane	7.76	88	30948	393.363	ug/l	97
51) 4-Methyl-2-Pentanone	8.65	43	473780	108.917	ug/l	91
52) Toluene	8.79	92	180428	20.755	ug/l	99
53) t-1,3-Dichloropropene	8.44	75	104860	20.613	ug/l	99
54) cis-1,3-Dichloropropene	9.04	75	93248	20.383	ug/l	91
55) 1,1,2-Trichloroethane	9.22	97	73117	21.137	ug/l	96
56) Ethyl methacrylate	9.18	69	104076	21.360	ug/l #	81
57) 1,3-Dichloropropane	9.37	76	119088	21.297	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.32	63	246304	103.961	ug/l	96
59) 2-Hexanone	9.50	43	353914	109.811	ug/l	89
60) Dibromochloromethane	9.59	129	71361	20.841	ug/l	100
61) 1,2-Dibromoethane	9.68	107	75987	21.190	ug/l	99
64) Tetrachloroethene	9.34	164	99364	20.421	ug/l	97
65) Chlorobenzene	10.14	112	217768	21.164	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.23	131	72112	20.369	ug/l	99
67) Ethyl Benzene	10.26	91	336403	20.333	ug/l	99
68) m/p-Xylenes	10.36	106	264752	40.819	ug/l	95
69) o-Xylene	10.70	106	127735	20.366	ug/l	95
70) Styrene	10.71	104	213636	20.708	ug/l	97
71) Bromoform	10.86	173	55838	20.300	ug/l	99
73) Isopropylbenzene	11.02	105	340044	20.525	ug/l	99
74) N-amyl acetate	6.46	43	148910	21.168	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.27	83	100693	20.740	ug/l	100
76) 1,2,3-Trichloropropane	11.30	75	92324m	21.453	ug/l	
77) Bromobenzene	11.26	156	95519	20.046	ug/l	96
78) n-propylbenzene	11.37	91	379066	20.584	ug/l	99
79) 2-Chlorotoluene	11.42	91	229517	20.530	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	281542	20.678	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.08	75	25782	18.577	ug/l	95
82) 4-Chlorotoluene	11.51	91	265381	20.258	ug/l	97
83) tert-Butylbenzene	11.77	119	267710	20.077	ug/l	95
84) 1,2,4-Trimethylbenzene	11.81	105	289737	20.913	ug/l	98
85) sec-Butylbenzene	11.95	105	329381	20.338	ug/l	100
86) p-Isopropyltoluene	12.07	119	295252	20.314	ug/l	98
87) 1,3-Dichlorobenzene	12.03	146	173093	19.762	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	182880	20.269	ug/l	99
89) n-Butylbenzene	12.39	91	240267	19.467	ug/l	99
90) Hexachloroethane	12.60	117	39944	19.332	ug/l	97
91) 1,2-Dichlorobenzene	12.40	146	221314	25.636	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	19629	20.776	ug/l	89

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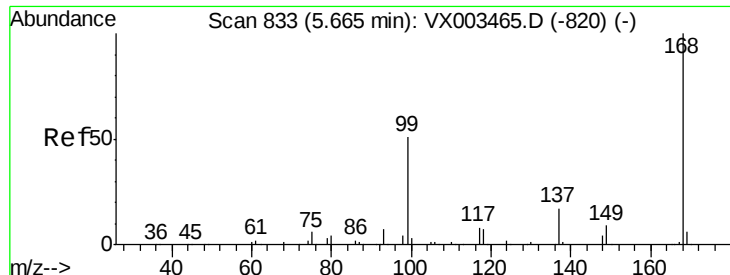
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	120083	18.980	ug/l	99
94) Hexachlorobutadiene	13.79	225	57760	18.983	ug/l	98
95) Naphthalene	13.83	128	339463	20.419	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	122436	19.548	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion:168 Resp: 297866

Ion Ratio Lower Upper

168 100

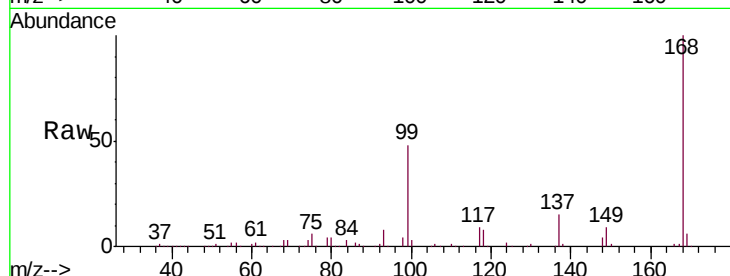
99 47.4 39.3 58.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

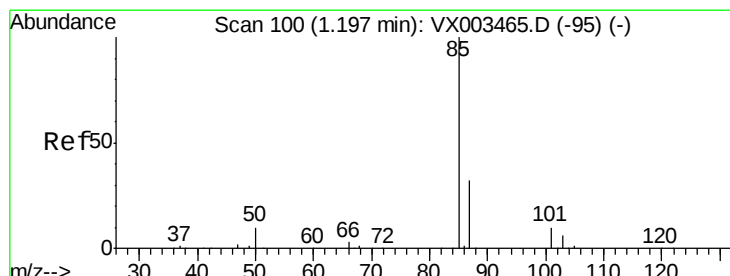
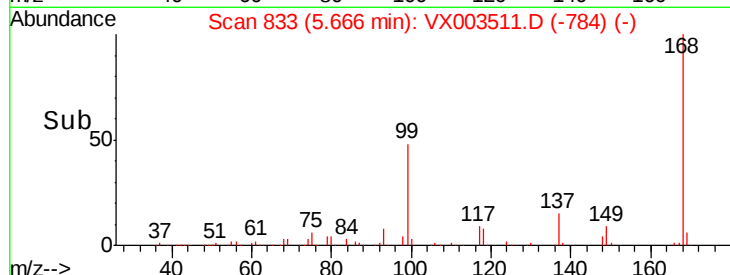
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 20.631 ug/l

RT: 1.20 min Scan# 100

Delta R.T. 0.00 min

Lab File: VX003511.D

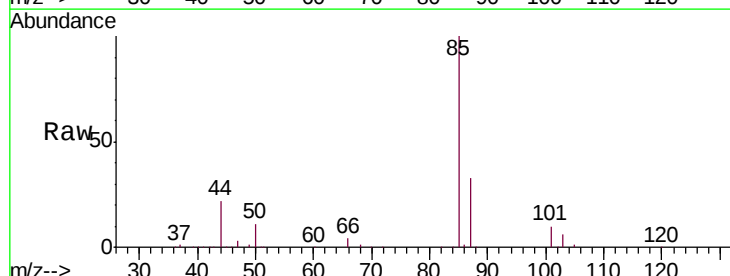
Acq: 20 Jul 2018 16:05

Tgt Ion: 85 Resp: 49787

Ion Ratio Lower Upper

85 100

87 33.1 16.0 47.9



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

60000

50000

40000

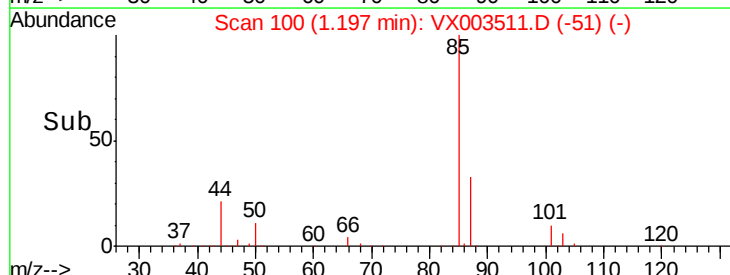
30000

20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 22.341 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 50 Resp: 67386

Ion Ratio Lower Upper

50 100

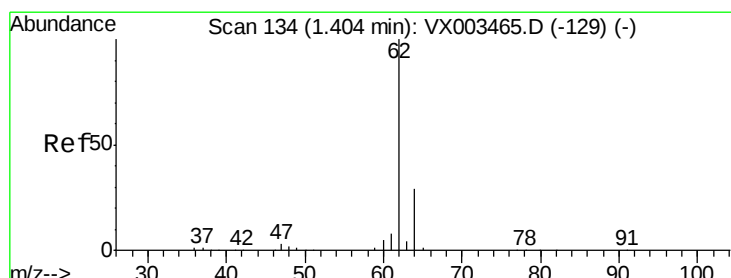
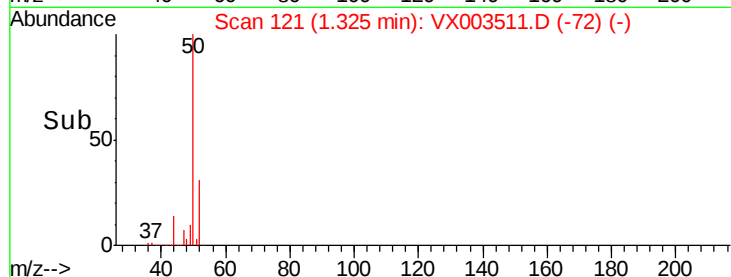
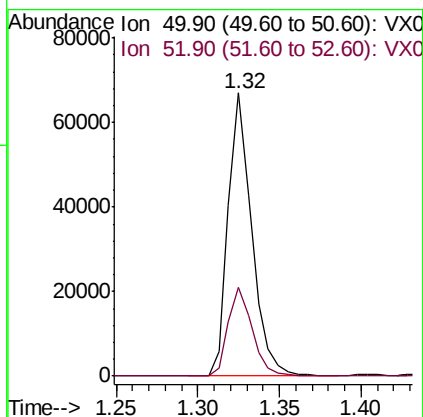
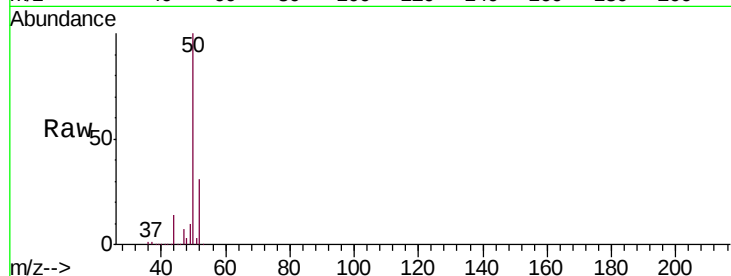
52 31.3 25.7 38.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.843 ug/l

RT: 1.40 min Scan# 134

Delta R.T. 0.00 min

Lab File: VX003511.D

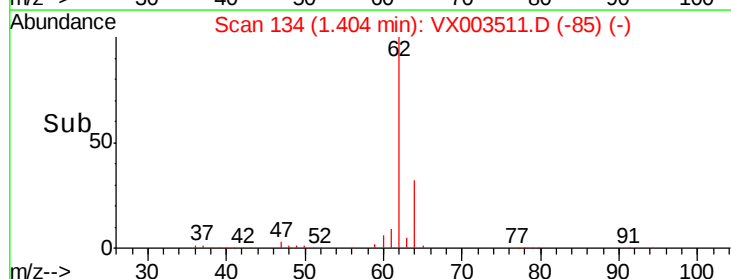
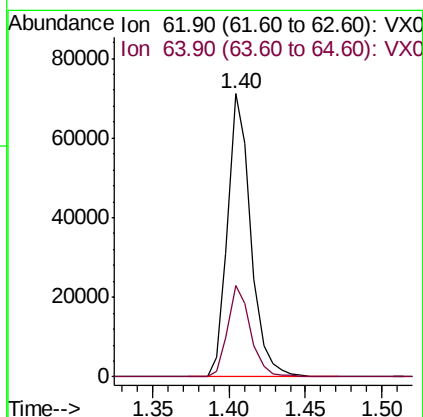
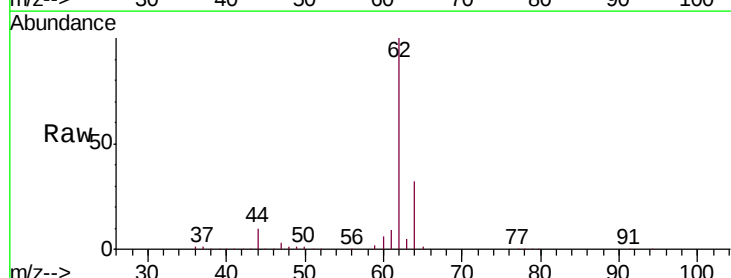
Acq: 20 Jul 2018 16:05

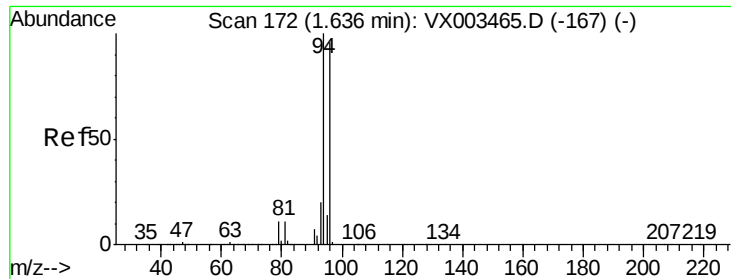
Tgt Ion: 62 Resp: 75083

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 23.062 ug/l

RT: 1.64 min Scan# 172

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 94 Resp: 36727

Ion Ratio Lower Upper

94 100

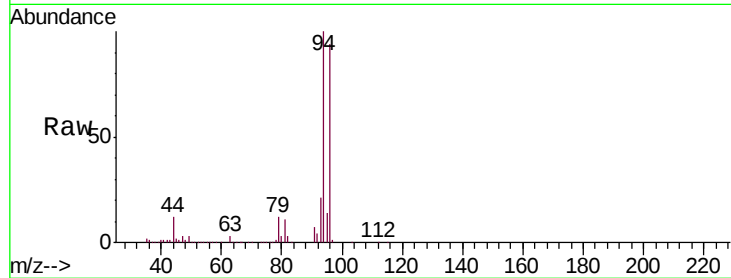
96 94.5 74.9 112.3

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

40000

30000

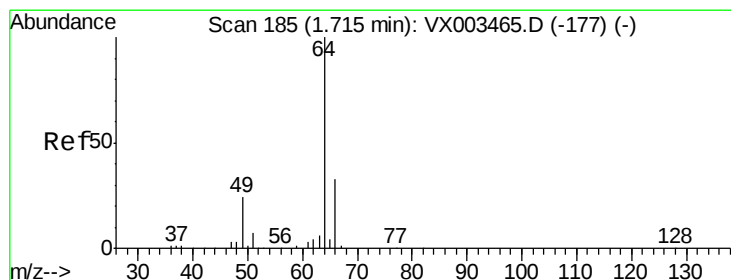
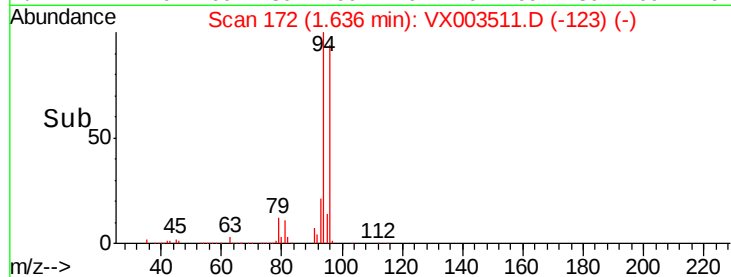
20000

10000

0

Time-->

1.60 1.70 1.80



#6

Chloroethane

Concen: 21.365 ug/l

RT: 1.72 min Scan# 186

Delta R.T. 0.01 min

Lab File: VX003511.D

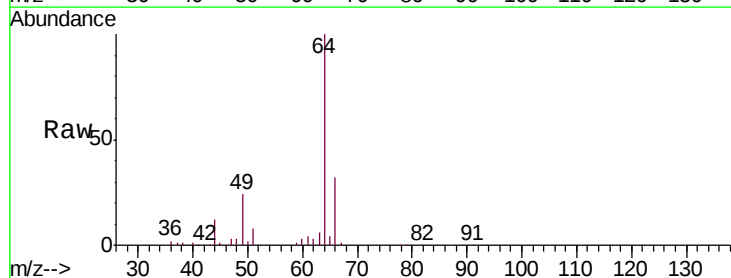
Acq: 20 Jul 2018 16:05

Tgt Ion: 64 Resp: 47839

Ion Ratio Lower Upper

64 100

66 31.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

40000

30000

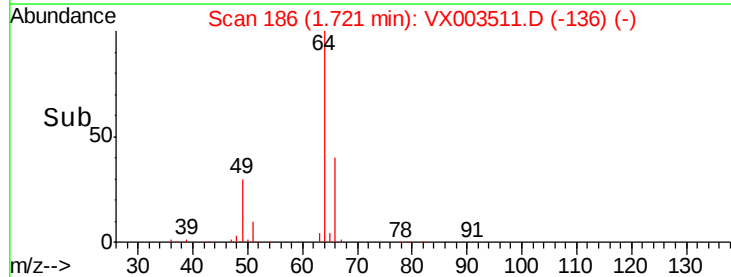
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10000

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Time-->

1.65 1.70 1.75 1.80





#7

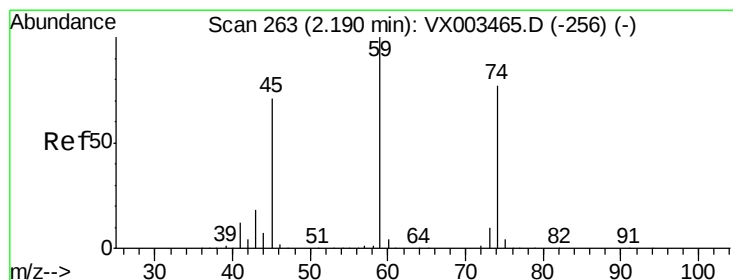
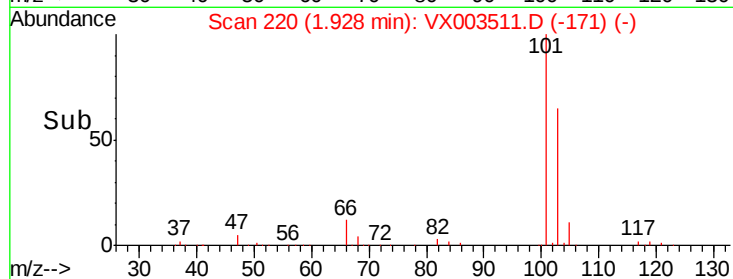
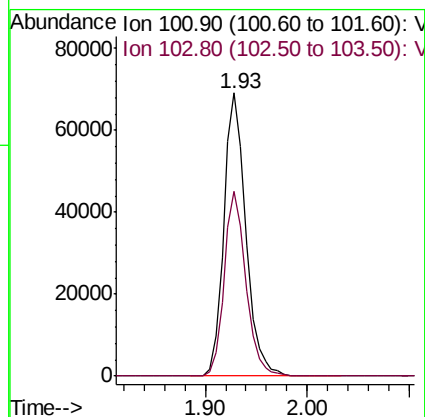
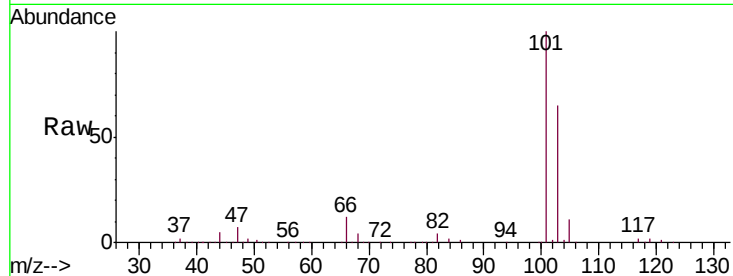
Trichlorofluoromethane
Concen: 20.512 ug/l
RT: 1.93 min Scan# 220
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.8	79.2

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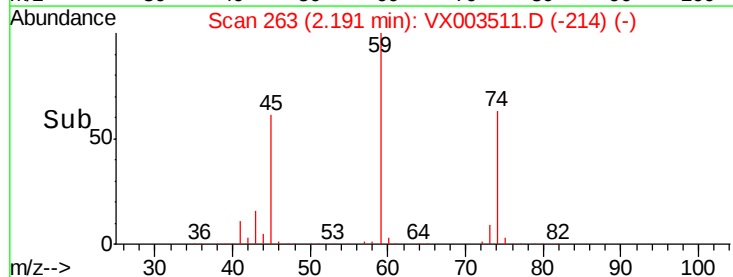
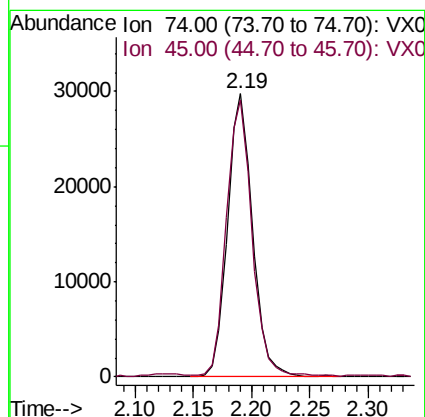
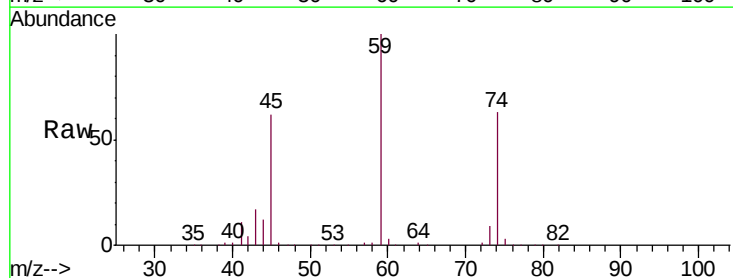
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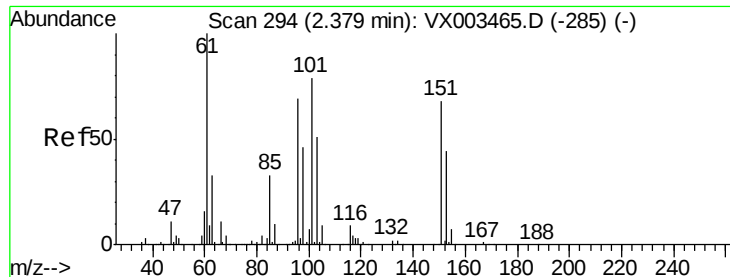


#8

Diethyl Ether
Concen: 20.463 ug/l
RT: 2.19 min Scan# 263
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.1	53.1	159.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.713 ug/l

RT: 2.38 min Scan# 294

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

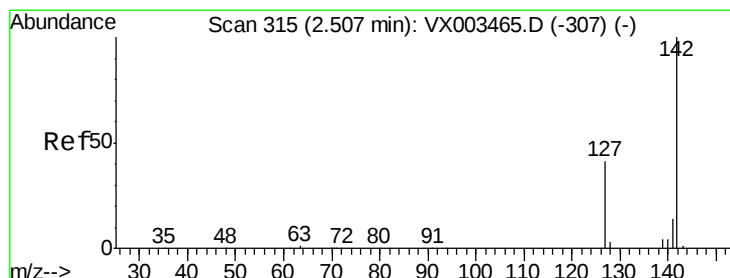
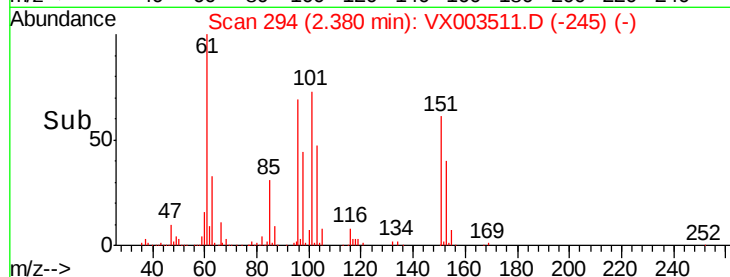
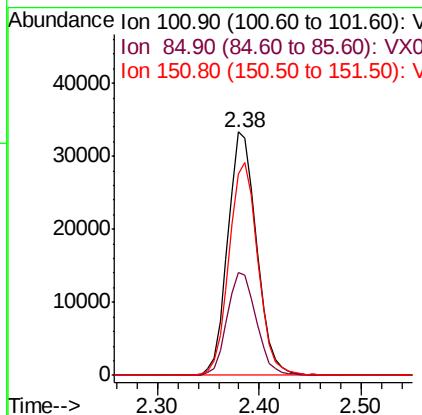
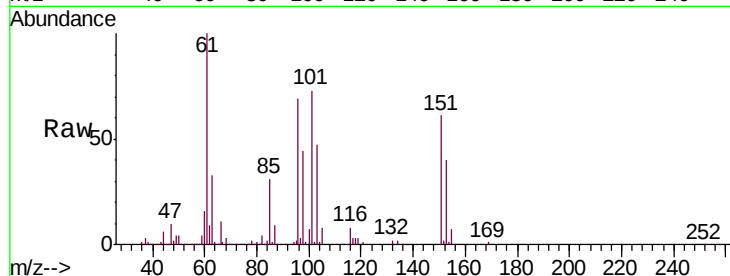
ClientSampleId :

VX0720WBS02

Tot Ion:	101	Resp:	65134
Ion Ratio	Lower	Upper	
101	100		
85	42.5	36.0	54.0
151	87.2	70.9	106.3

Manual Integrations
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#10

Methyl Iodide

Concen: 18.106 ug/l

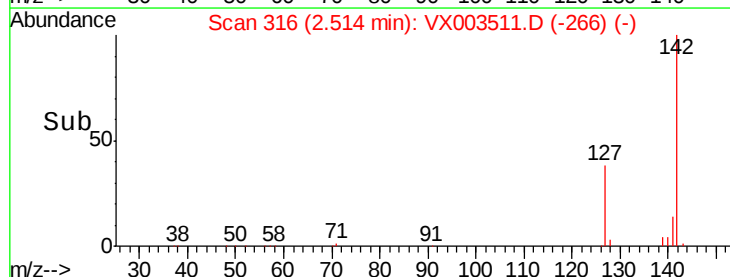
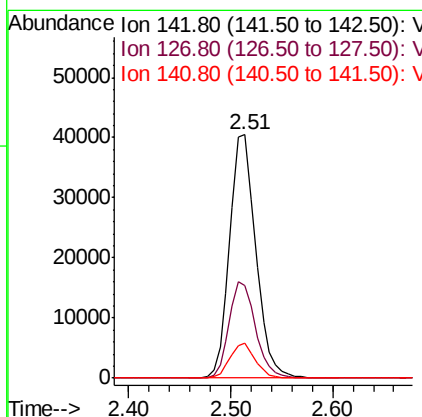
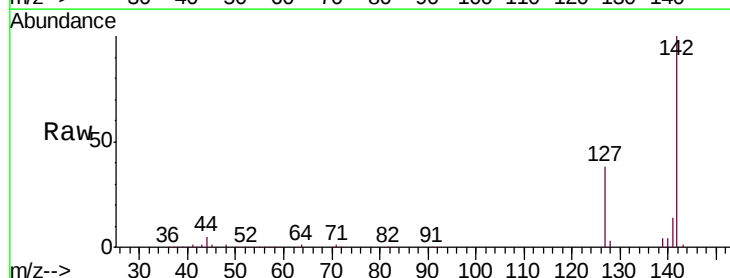
RT: 2.51 min Scan# 316

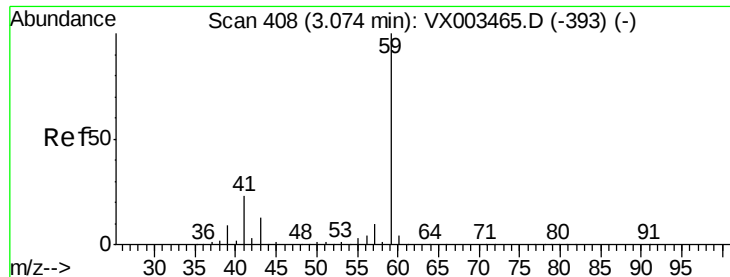
Delta R.T. 0.01 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion:	142	Resp:	71869
Ion Ratio	Lower	Upper	
142	100		
127	39.9	36.6	55.0
141	14.0	11.3	16.9





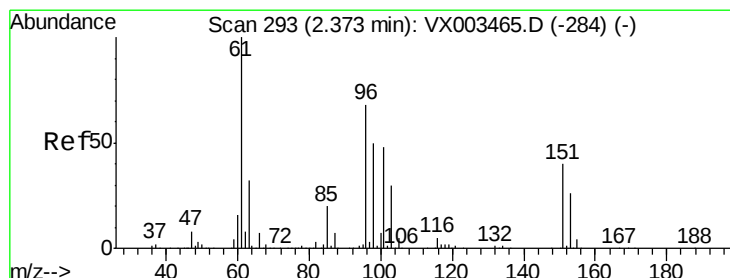
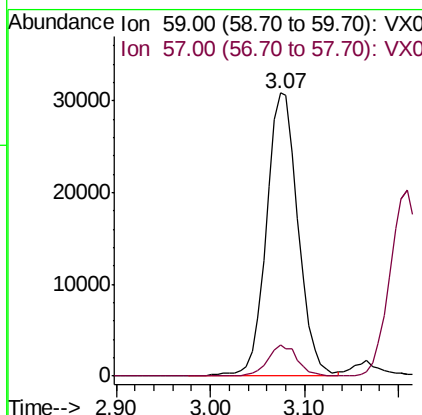
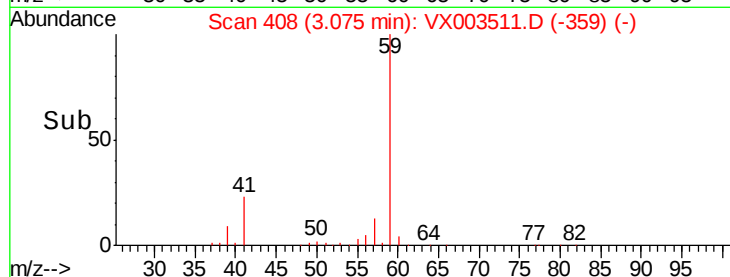
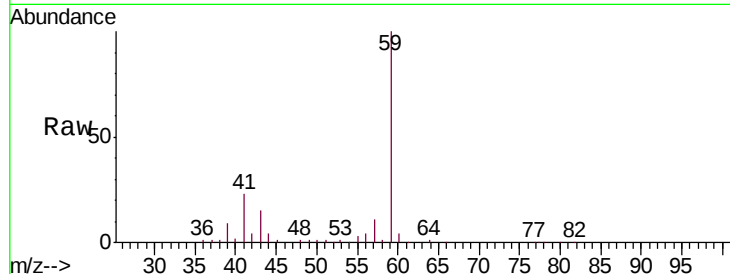
#11
Tert butyl alcohol
Concen: 103.688 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampled :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.2	12.2

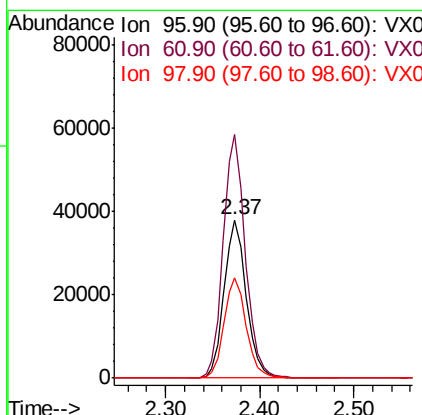
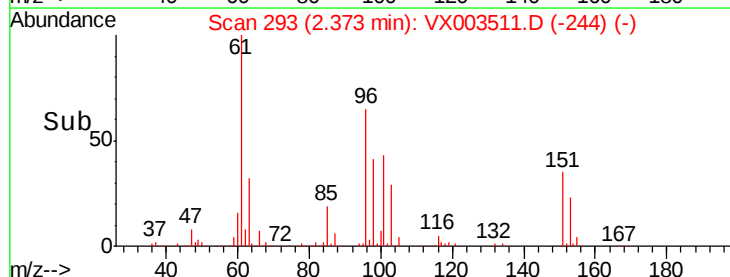
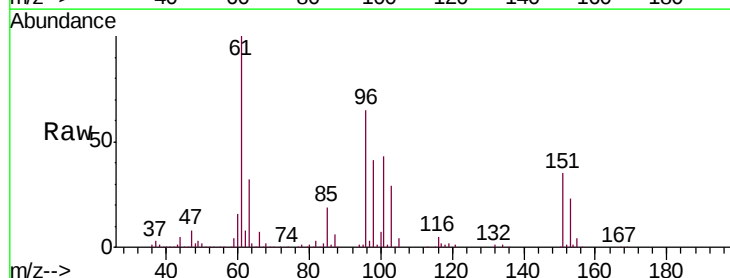
Manual Integrations
APPROVED

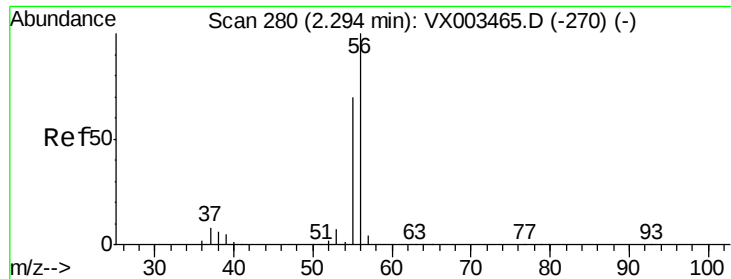
MMDadoda
7/23/2018 12:34:50 PM



#12
1,1-Dichloroethene
Concen: 20.436 ug/l
RT: 2.37 min Scan# 293
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	137.9	206.9
98	63.3	51.6	77.4





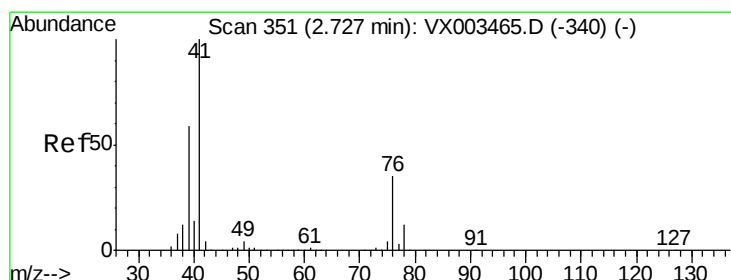
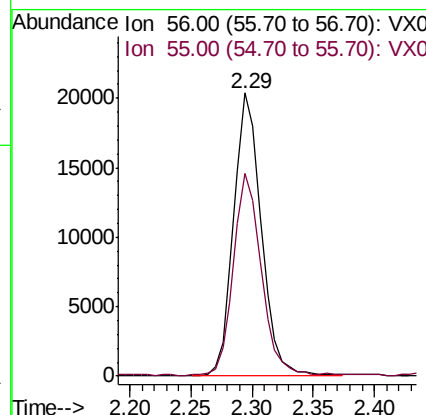
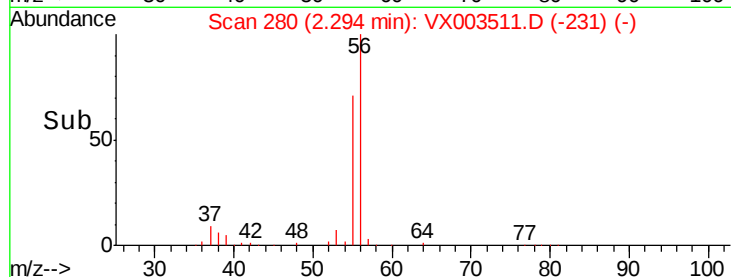
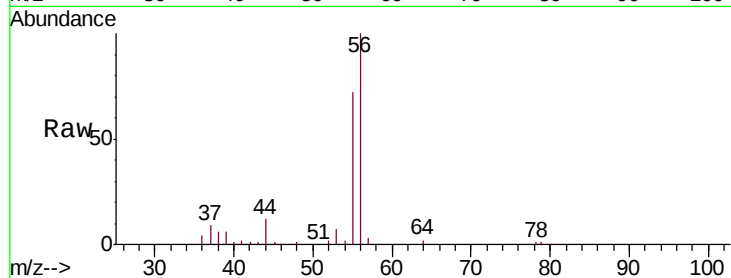
#13
 Acrolein
 Concen: 101.173 ug/l
 RT: 2.29 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.5	57.0	85.4

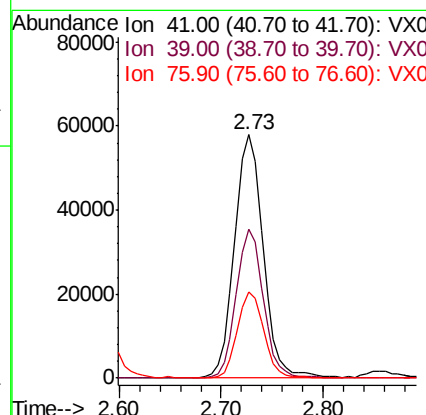
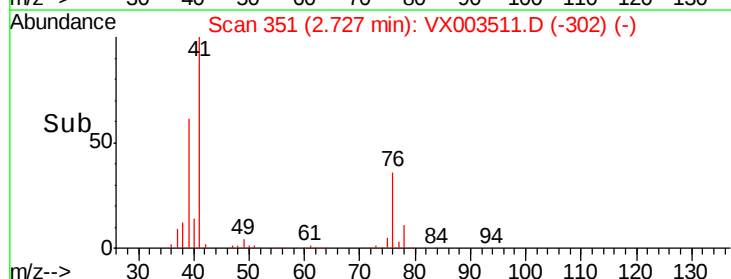
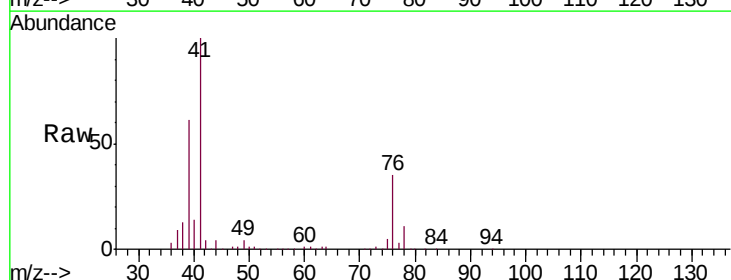
Manual Integrations
 APPROVED

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#14
 Allyl chloride
 Concen: 20.858 ug/l
 RT: 2.73 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.4	56.8	85.2
76	33.1	23.8	35.8





#15

Acrylonitrile

Concen: 107.507 ug/l

RT: 3.15 min Scan# 421

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

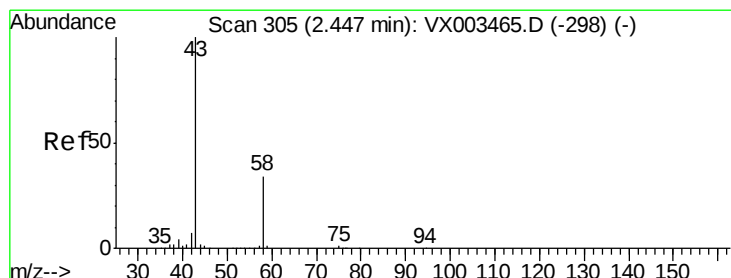
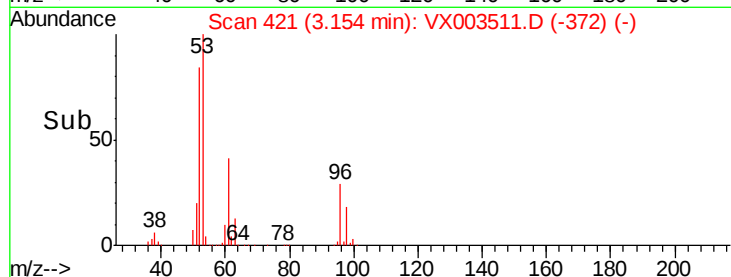
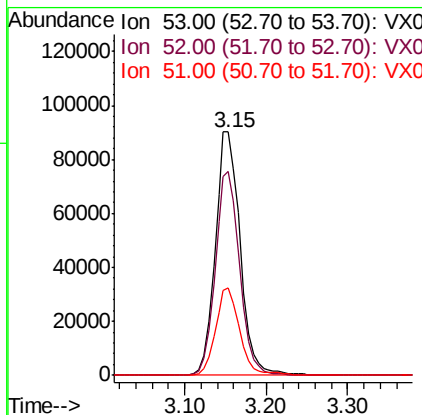
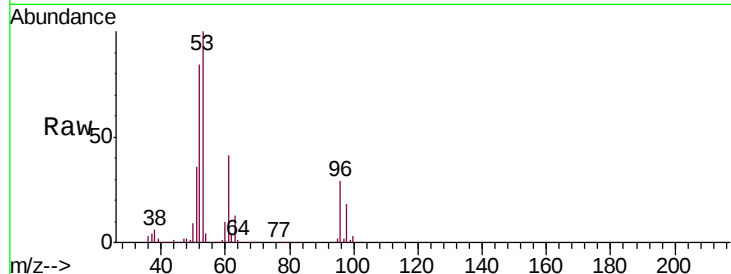
ClientSampleId :

VX0720WBS02

Tot Ion:	53	Resp:	190968
Ion Ratio		Lower	Upper
53	100		
52	82.5	66.7	100.1
51	35.3	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 112.075 ug/l

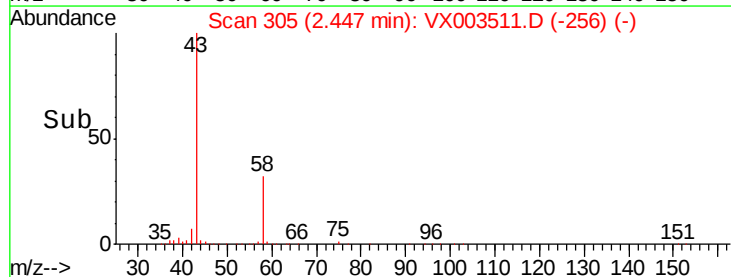
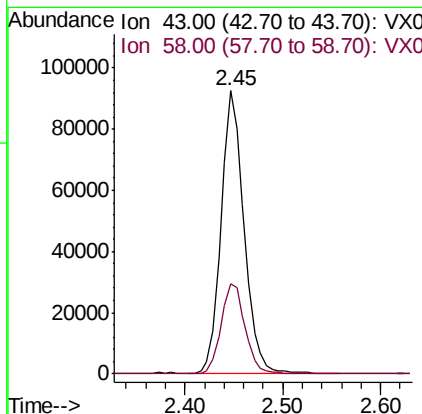
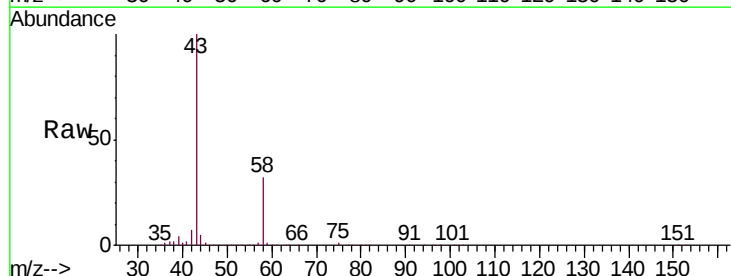
RT: 2.45 min Scan# 305

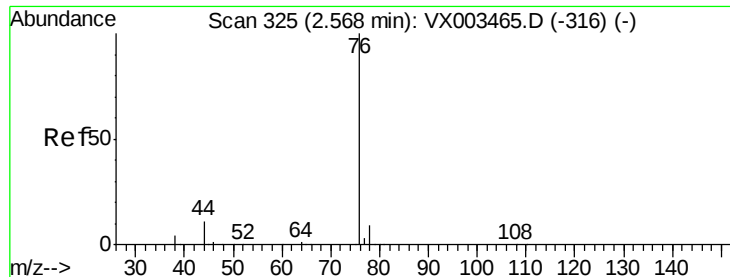
Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion:	43	Resp:	149266
Ion Ratio		Lower	Upper
43	100		
58	32.1	22.1	33.1





#17

Carbon Disulfide

Concen: 20.110 ug/l

RT: 2.57 min Scan# 325

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 76 Resp: 165471

Ion Ratio Lower Upper

76 100

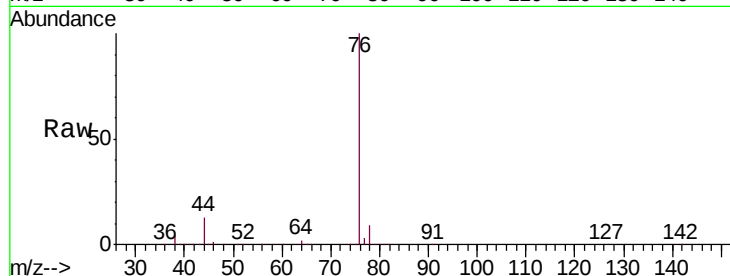
78 9.1 6.9 10.3

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.57

100000

80000

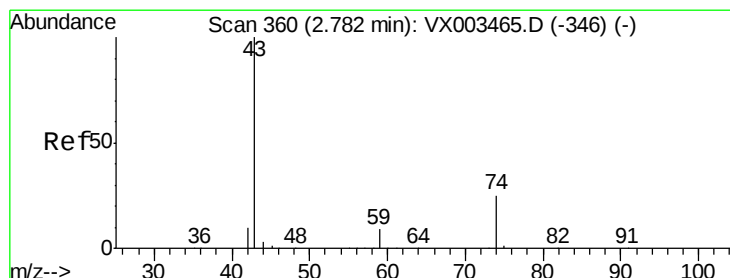
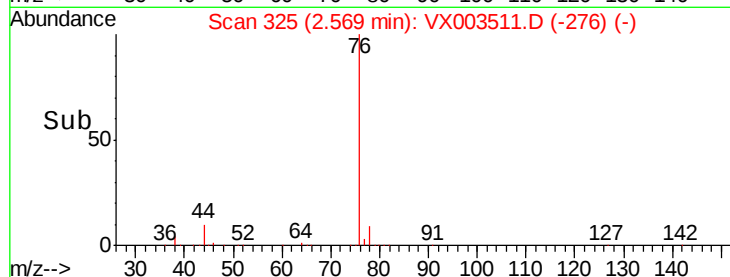
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 25.466 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX003511.D

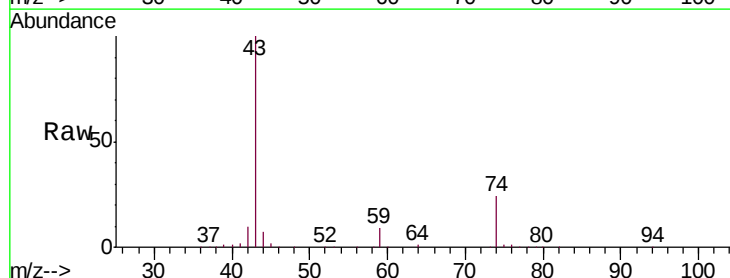
Acq: 20 Jul 2018 16:05

Tgt Ion: 43 Resp: 106921

Ion Ratio Lower Upper

43 100

74 24.8 16.7 25.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

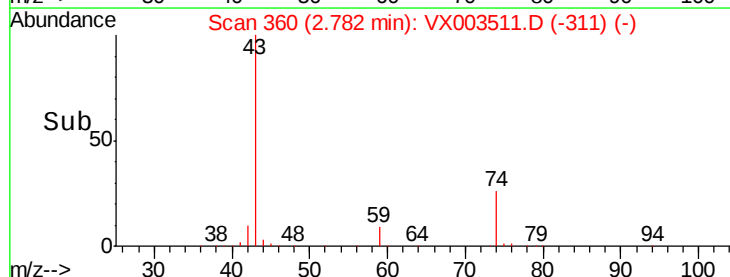
60000

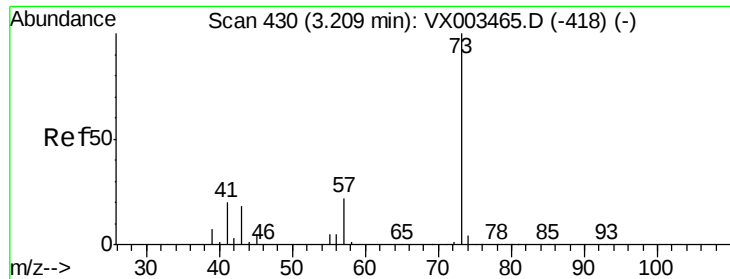
40000

20000

0

Time-->





#19

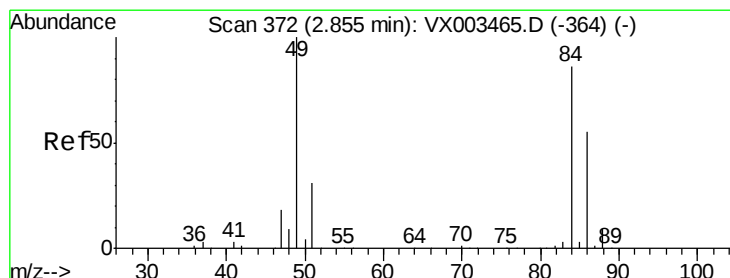
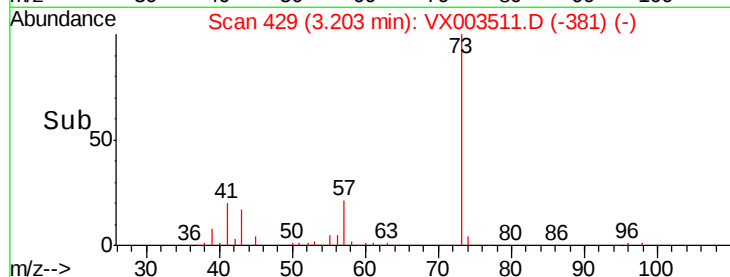
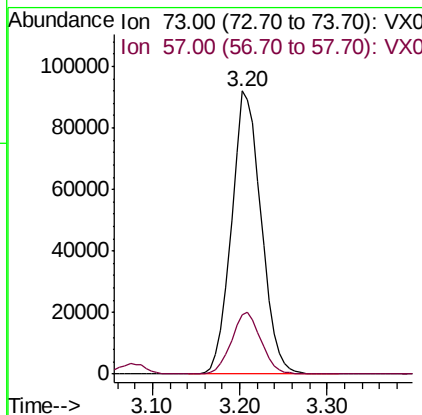
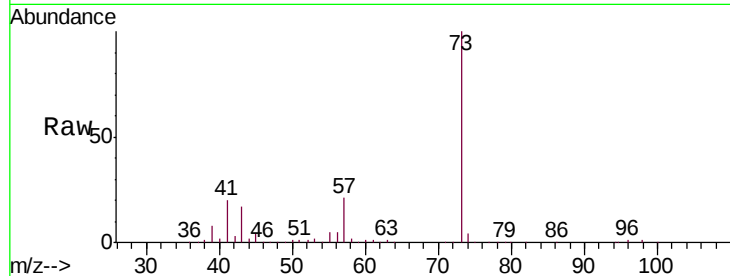
Methyl tert-butyl Ether
 Concen: 21.807 ug/l
 RT: 3.20 min Scan# 429
 Delta R.T. -0.01 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleID :
 VX0720WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.9	17.7	26.5

Manual Integrations
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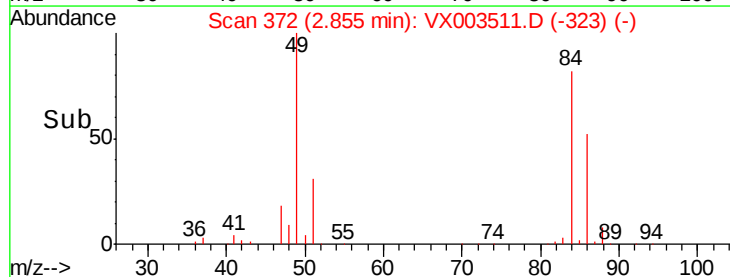
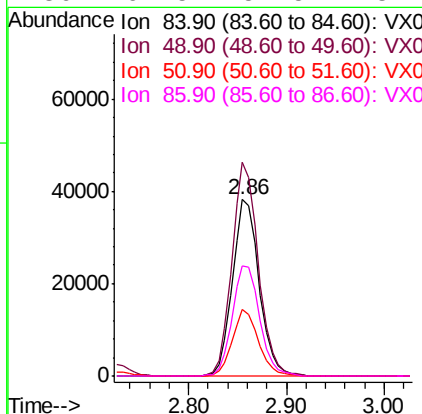
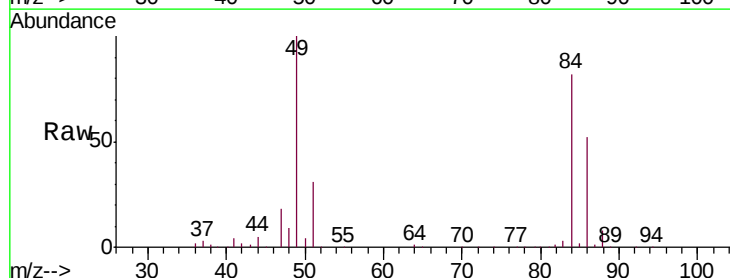
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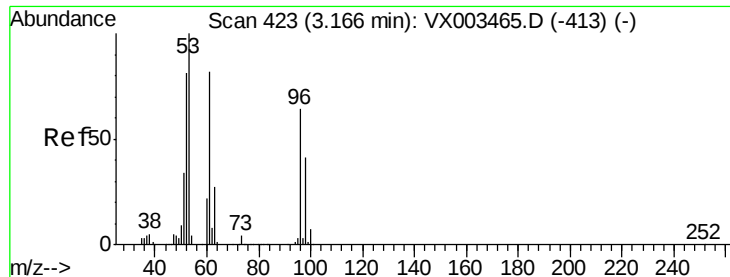


#20

Methylene Chloride
 Concen: 21.791 ug/l
 RT: 2.86 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.3	107.8	161.6
51	37.5	32.8	49.2
86	62.5	52.5	78.7





#21

trans-1,2-Dichloroethene

Concen: 20.030 ug/l

RT: 3.17 min Scan# 423

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

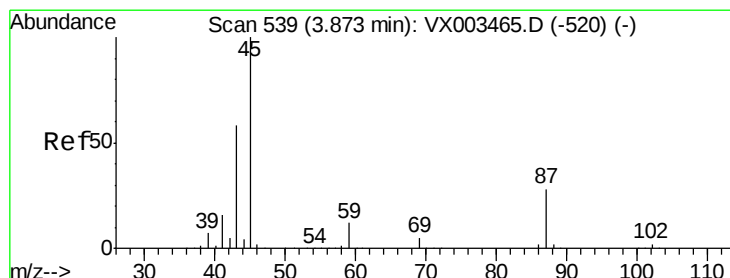
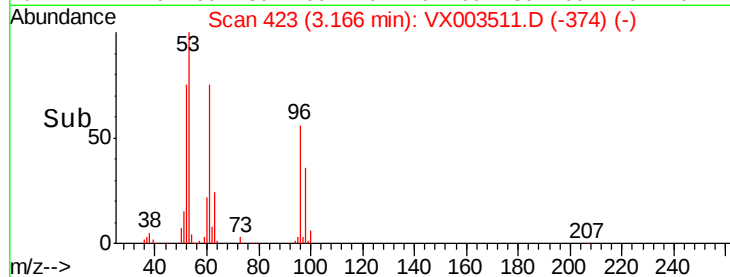
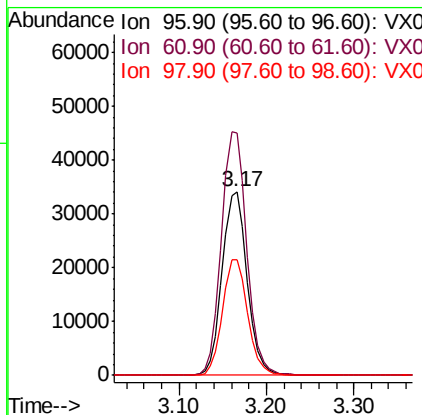
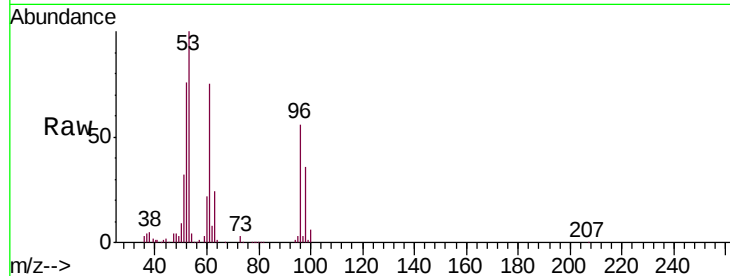
ClientSampleId :

VX0720WBS02

Tot Ion:	96	Resp:	67801
Ion	Ratio	Lower	Upper
96	100		
61	132.1	117.0	175.4
98	63.3	52.4	78.6

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.962 ug/l

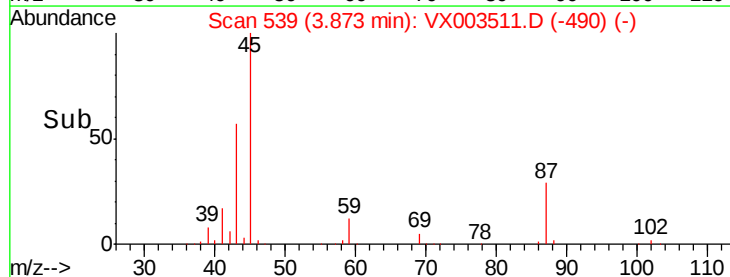
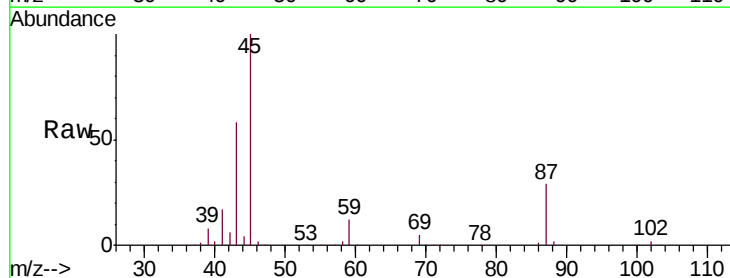
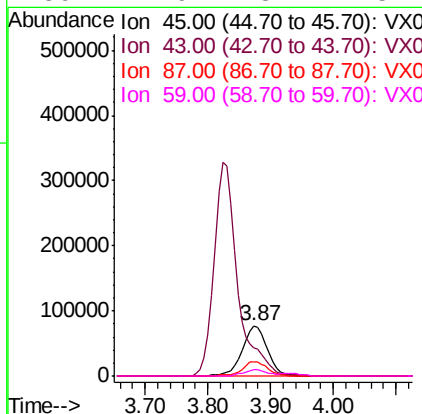
RT: 3.87 min Scan# 539

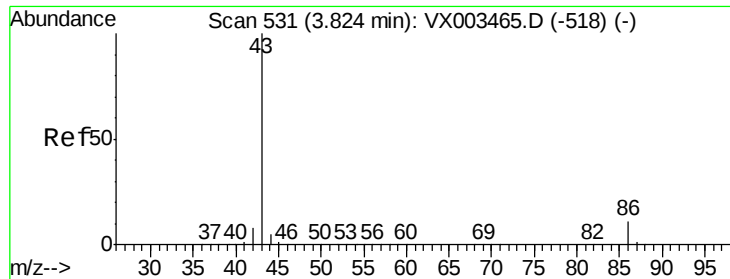
Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion:	45	Resp:	212434
Ion	Ratio	Lower	Upper
45	100		
43	57.2	46.8	70.2
87	28.5	20.2	30.4
59	11.9	8.7	13.1





#23

Vinyl Acetate

Concen: 102.399 ug/l

RT: 3.82 min Scan# 531

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 43 Resp: 854784

Ion Ratio Lower Upper

43 100

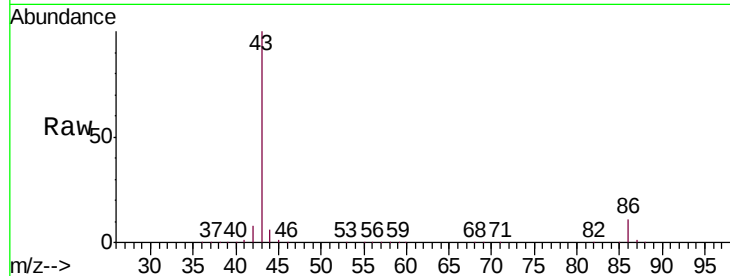
86 10.7 7.4 11.0

Manual Integrations

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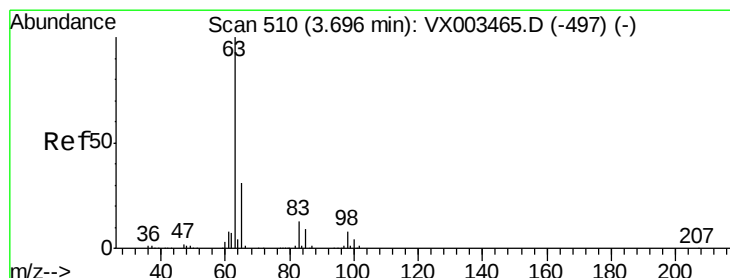
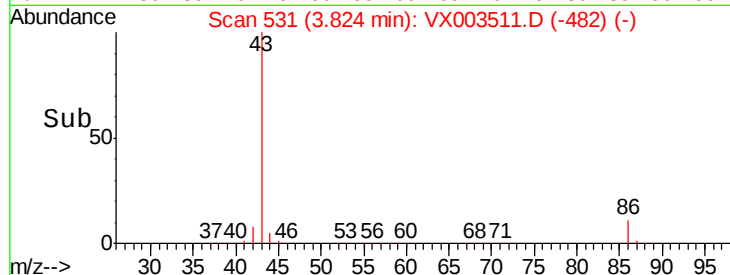
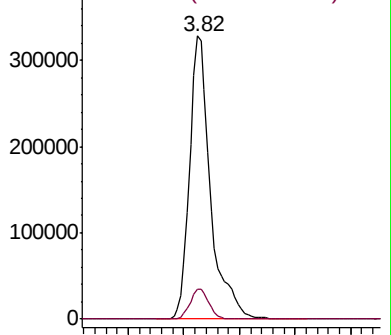
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0



#24

1,1-Dichloroethane

Concen: 20.482 ug/l

RT: 3.70 min Scan# 510

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

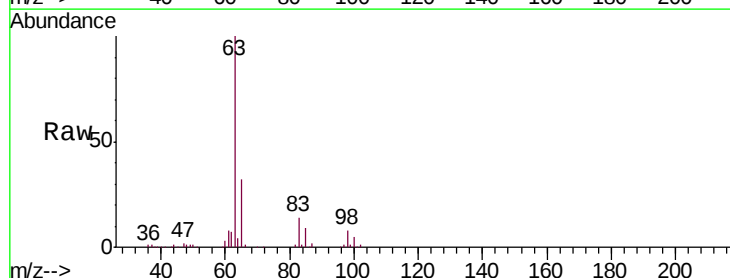
Tgt Ion: 63 Resp: 121781

Ion Ratio Lower Upper

63 100

98 7.8 3.4 10.2

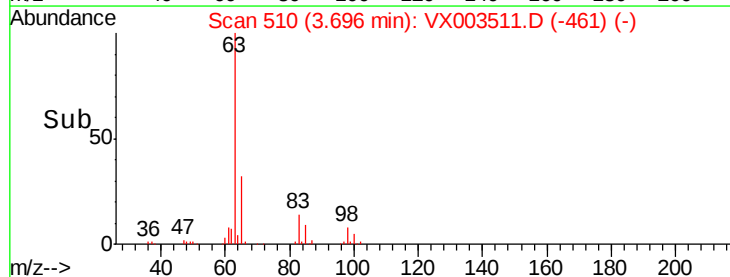
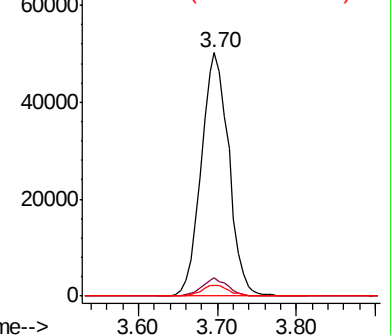
100 4.6 2.0 6.0

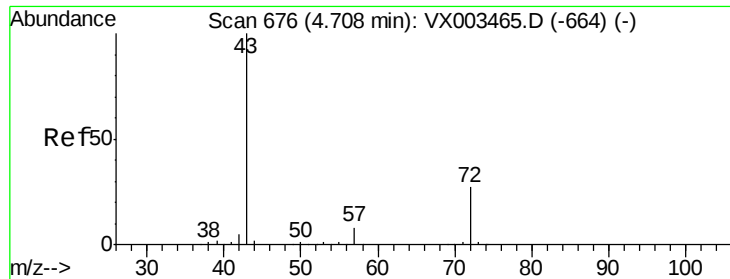


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 106.111 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 43 Resp: 237114

Ion Ratio Lower Upper

43 100

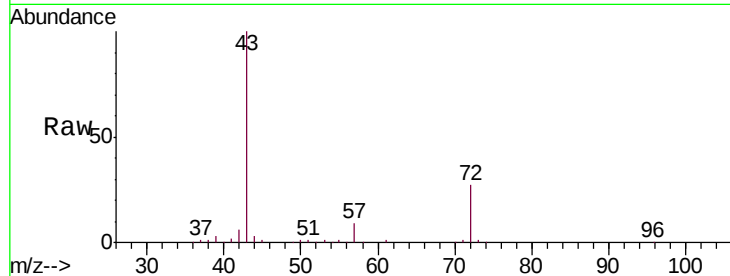
72 26.5 18.5 27.7

Manual Integrations

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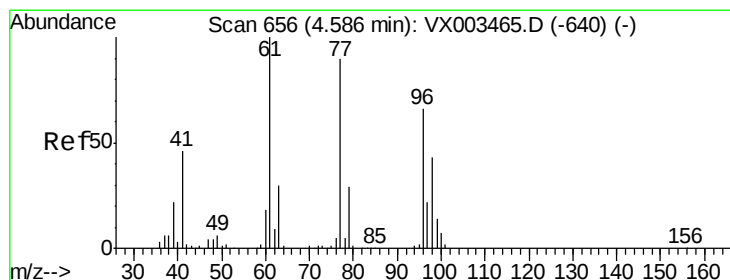
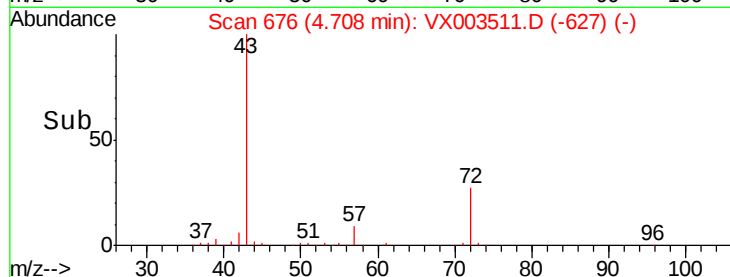
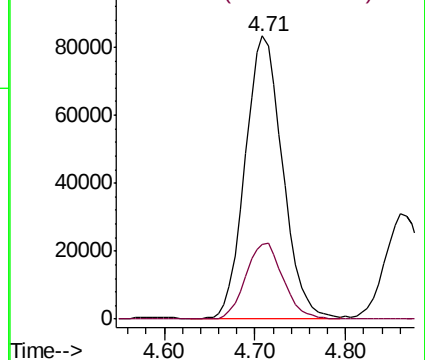
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 17.320 ug/l

RT: 4.59 min Scan# 656

Delta R.T. 0.00 min

Lab File: VX003511.D

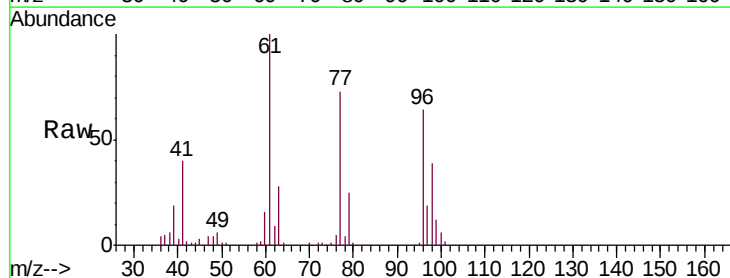
Acq: 20 Jul 2018 16:05

Tgt Ion: 77 Resp: 78217

Ion Ratio Lower Upper

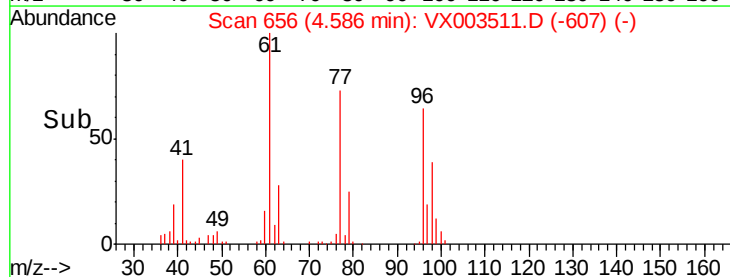
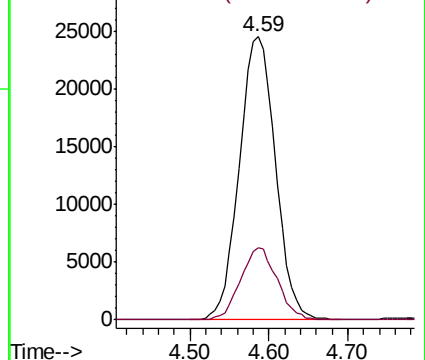
77 100

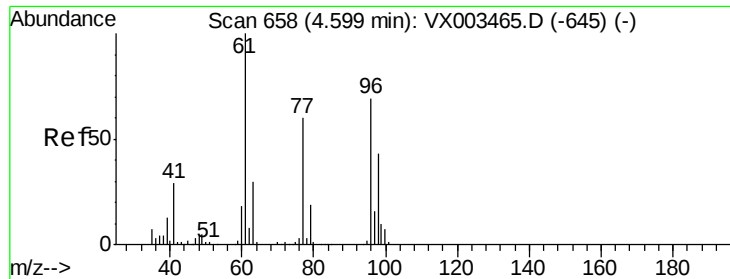
97 25.7 11.2 33.5



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

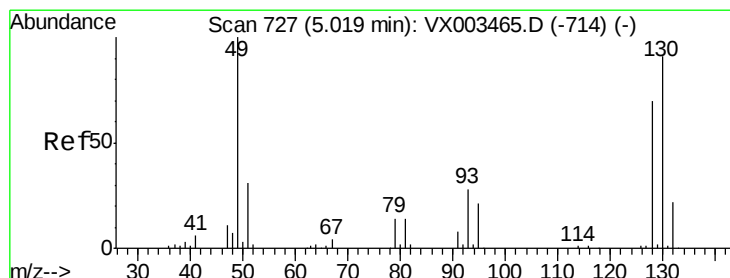
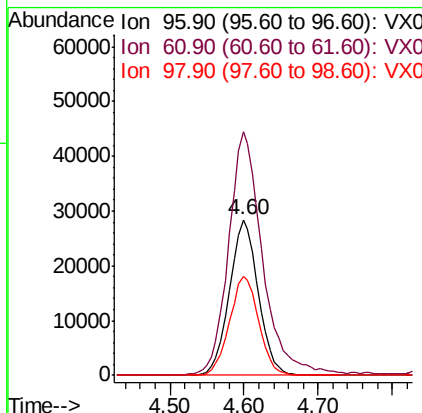
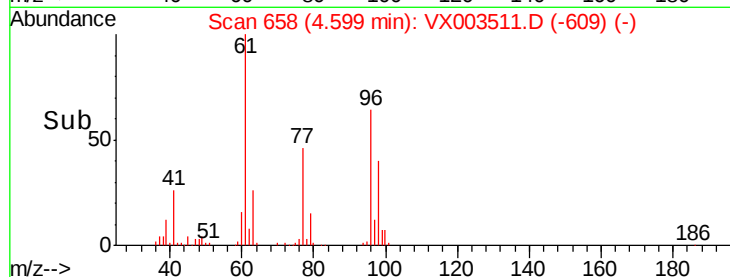
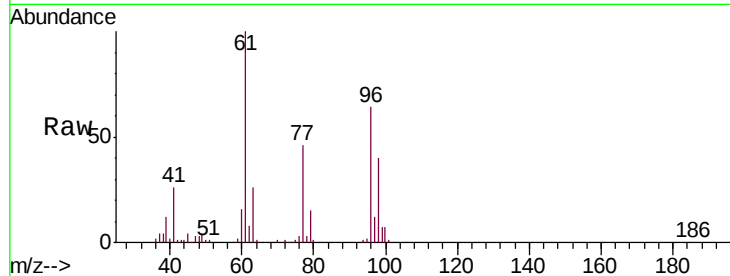
cis-1,2-Dichloroethene
 Concen: 20.403 ug/l
 RT: 4.60 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.6	0.0	330.2
98	64.5	0.0	130.2

Manual Integrations
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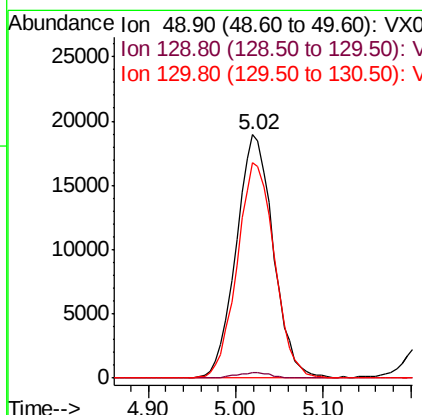
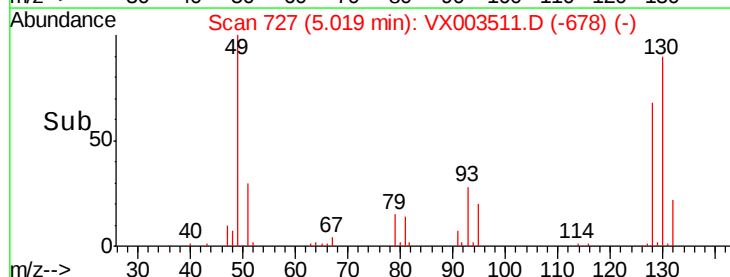
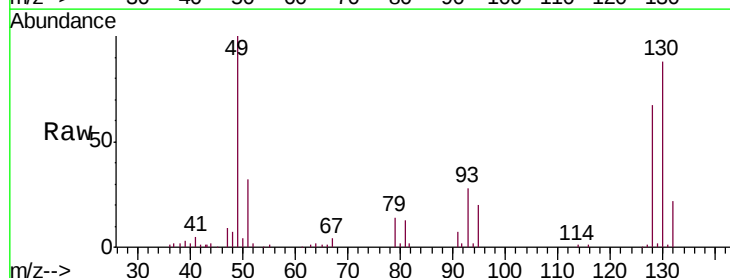
MMDadoda
 7/23/2018 12:34:50 PM

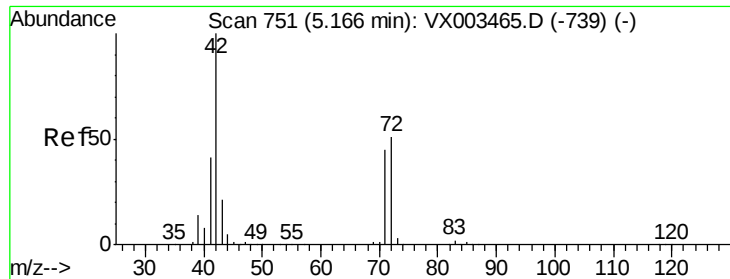


#28

Bromochloromethane
 Concen: 21.526 ug/l
 RT: 5.02 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	88.6	61.2	91.8





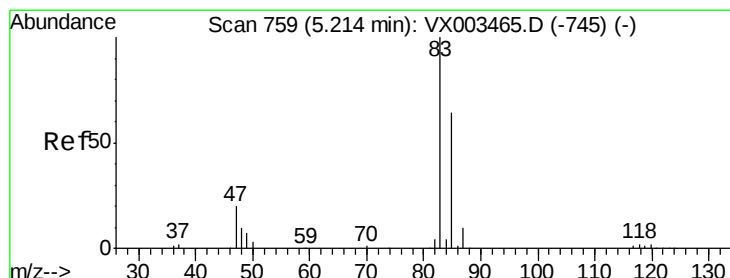
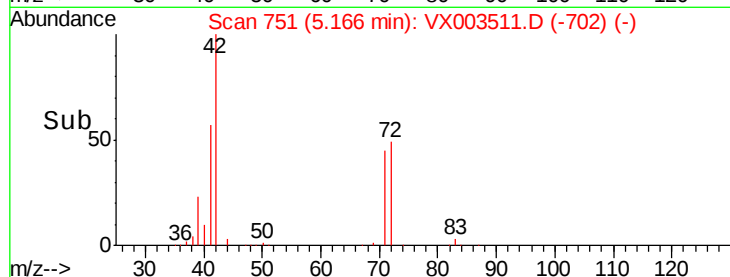
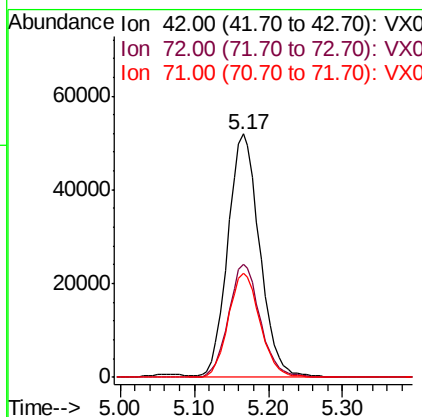
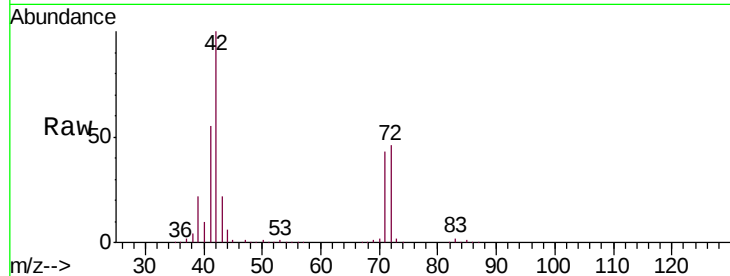
#29
Tetrahydrofuran
Concen: 104.941 ug/l
RT: 5.17 min Scan# 751
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.3	32.0	48.0
71	43.0	30.1	45.1

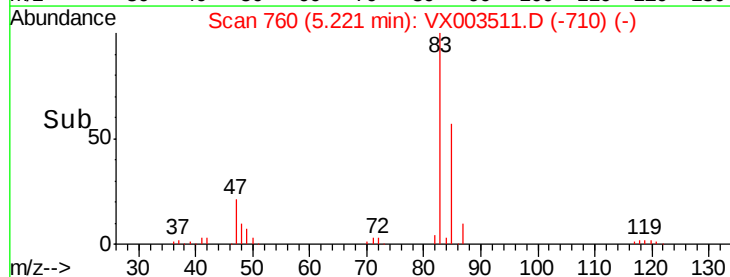
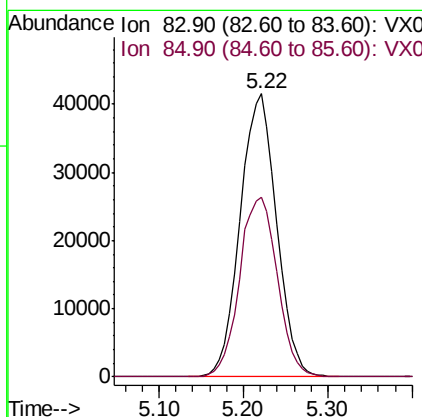
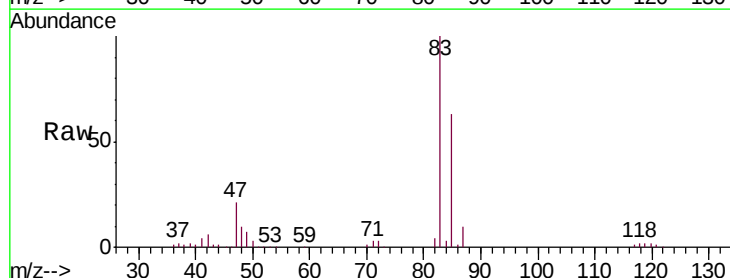
Manual Integrations
APPROVED

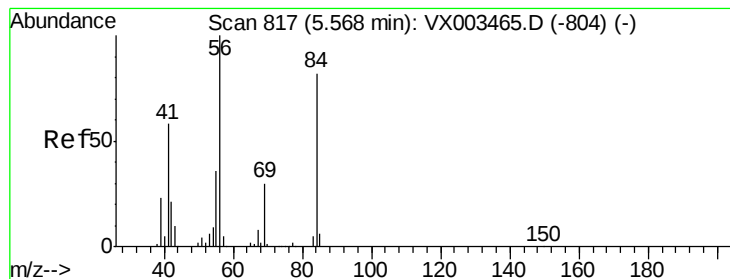
MMDadoda
7/23/2018 12:34:50 PM



#30
Chloroform
Concen: 20.936 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.01 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.4	75.6





#31

Cyclohexane

Concen: 20.091 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.01 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

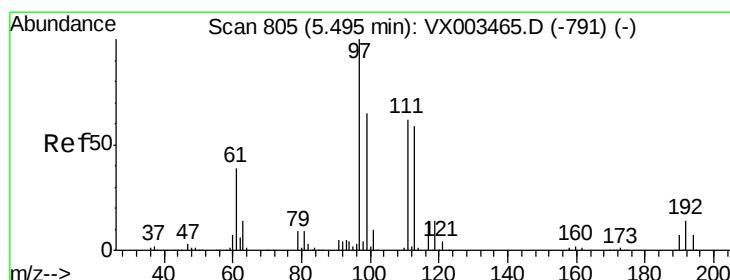
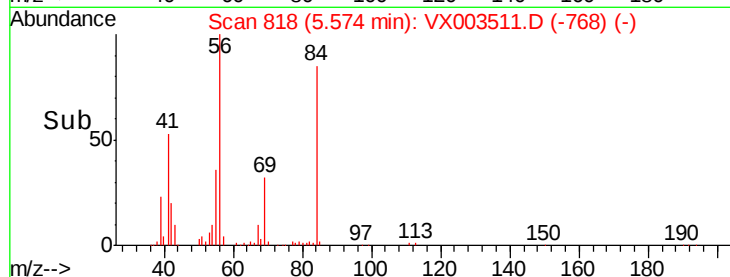
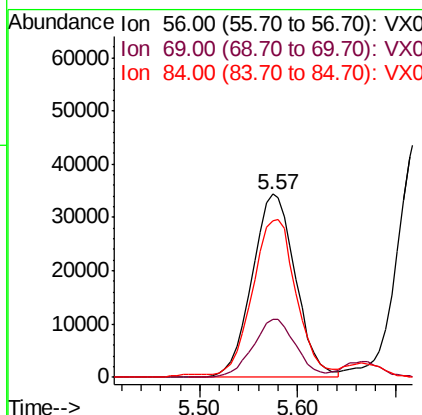
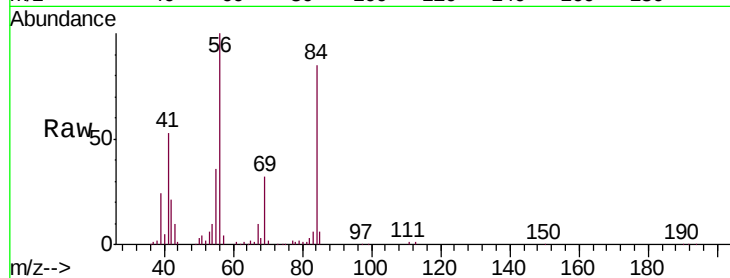
ClientSampleId :

VX0720WBS02

Tot Ion:	56	Resp:	106734
Ion	Ratio	Lower	Upper
56	100		
69	31.5	23.7	35.5
84	83.9	64.1	96.1

Manual Integrations
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7/23/2018 12:34:50 PM



#32

1,1,1-Trichloroethane

Concen: 20.818 ug/l

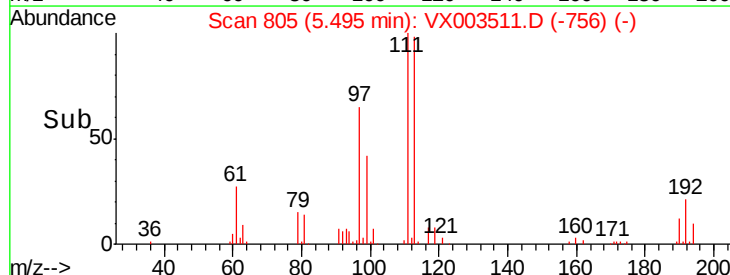
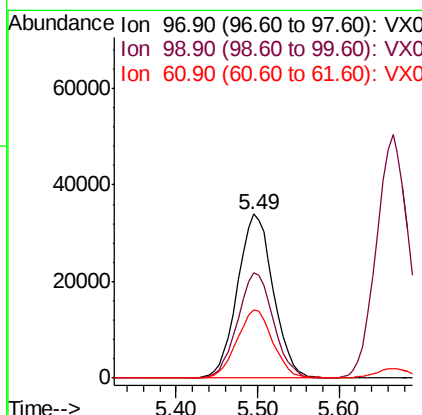
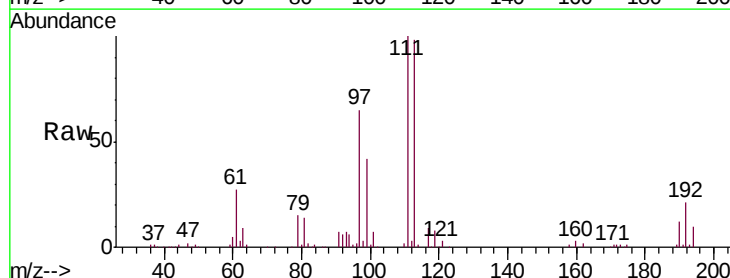
RT: 5.49 min Scan# 805

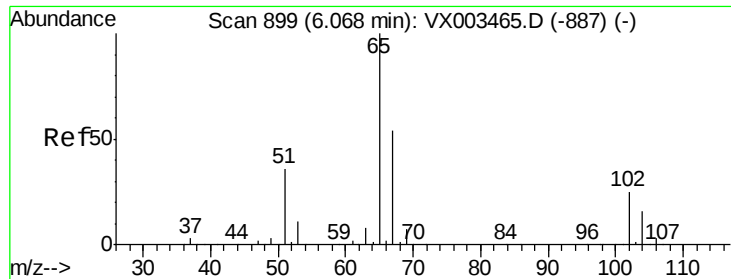
Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion:	97	Resp:	103503
Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.6	77.4
61	41.6	36.4	54.6





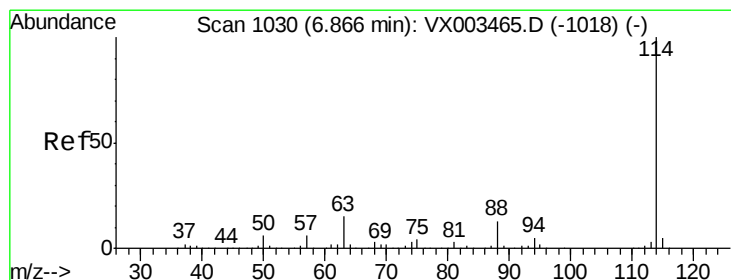
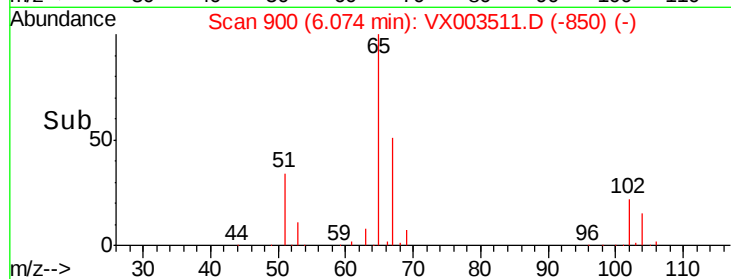
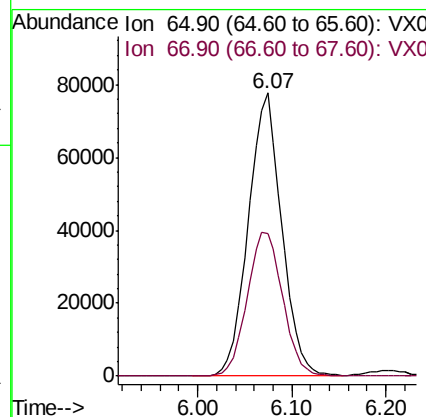
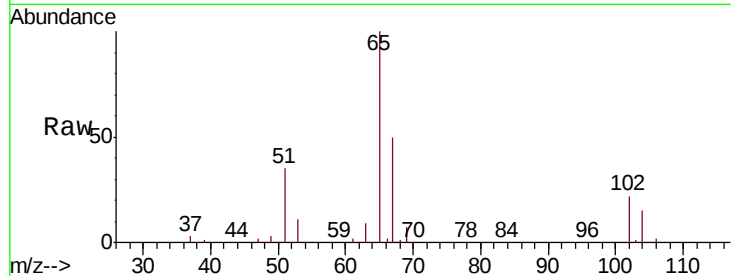
#33
 1,2-Dichloroethane-d4
 Concen: 54.637 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	192644		
67	54.1	0.0	102.6	

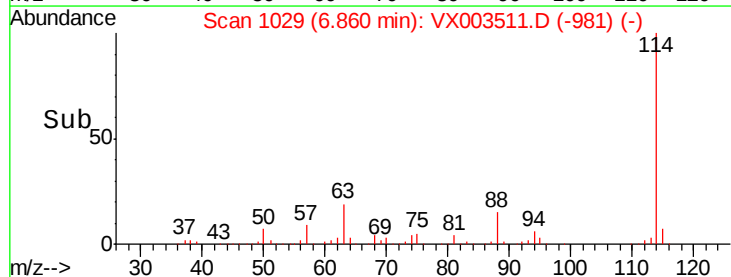
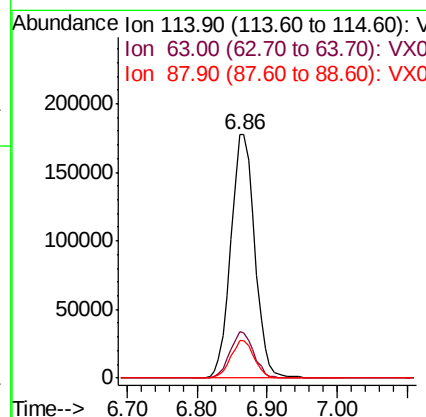
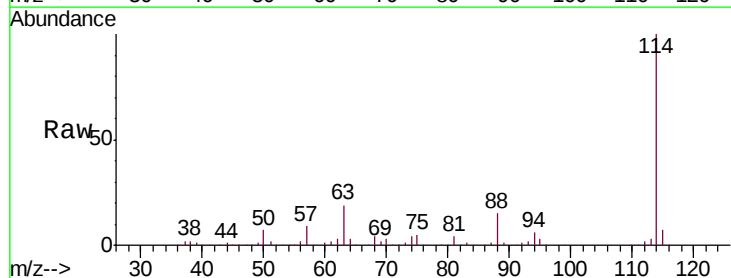
Manual Integrations
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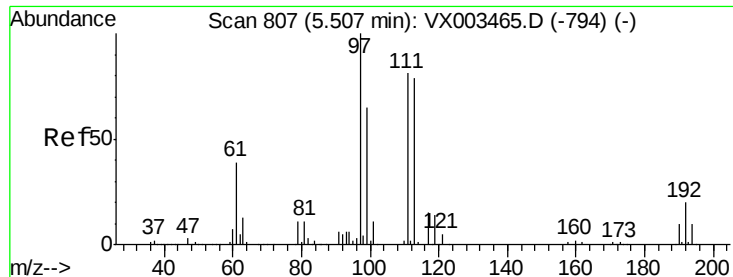
MMDadoda
 7/23/2018 12:34:50 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 1029
 Delta R.T. -0.01 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	423671		
63	19.2	0.0	41.4	
88	15.4	0.0	30.0	





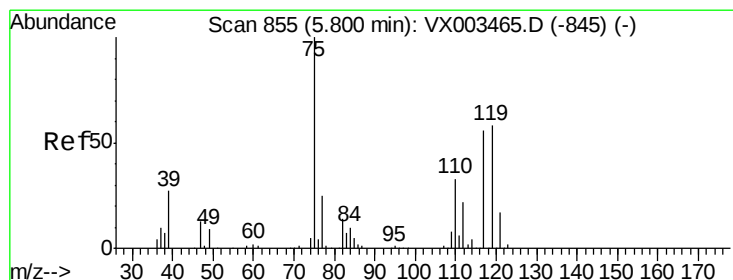
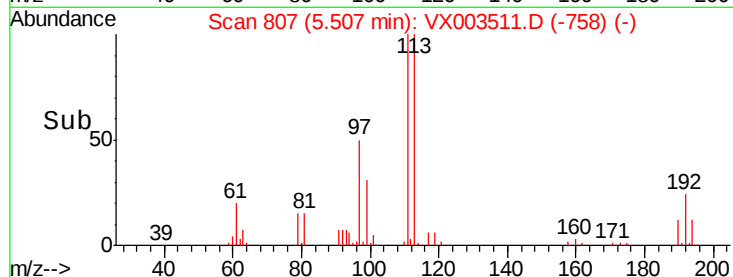
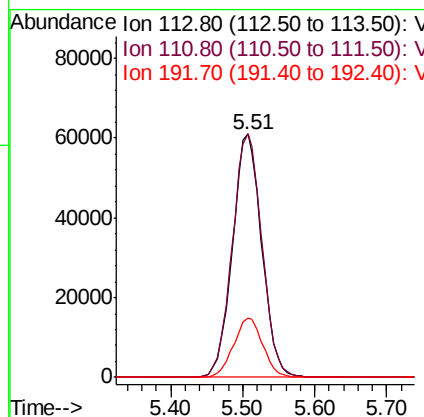
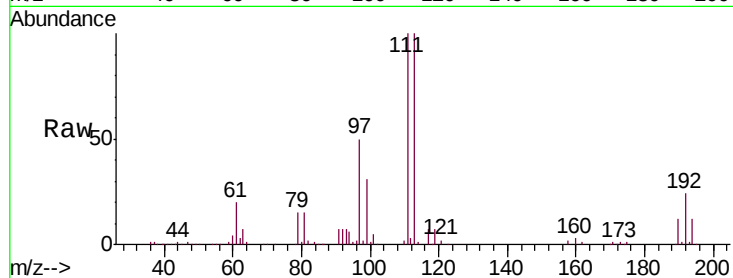
#35
 Dibromofluoromethane
 Concen: 53.178 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	171605		
111	101.9	81.4	122.0	
192	24.3	19.1	28.7	

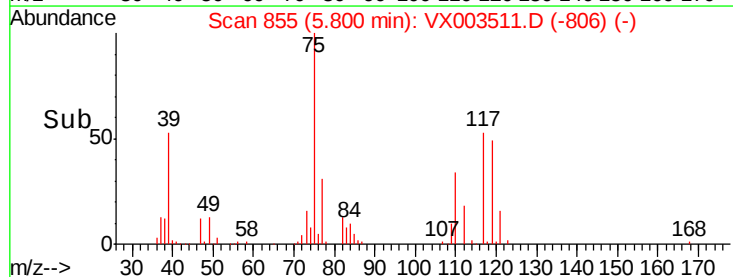
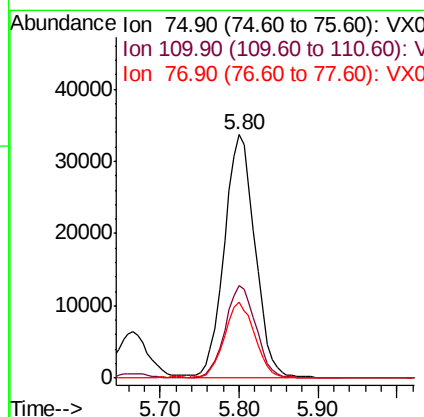
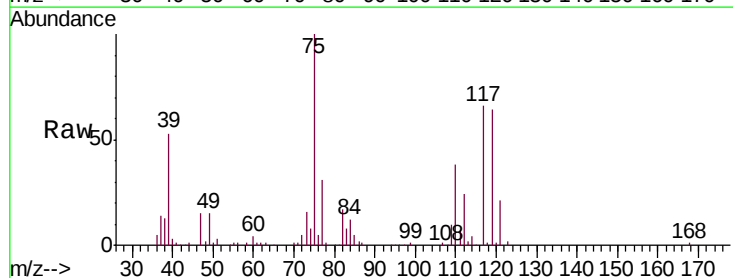
Manual Integrations
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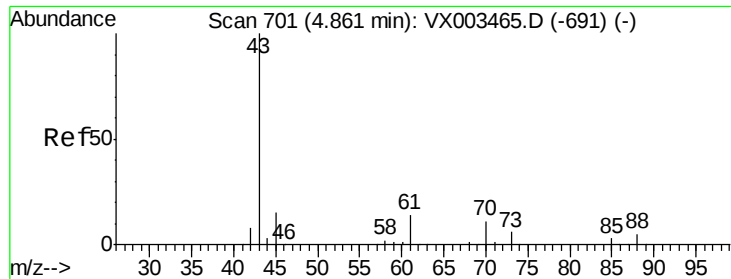
MMDadoda
 7/23/2018 12:34:50 PM



#36
 1,1-Dichloropropene
 Concen: 20.043 ug/l
 RT: 5.80 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	91683		
110	37.8	18.1	54.4	
77	31.1	24.3	36.5	





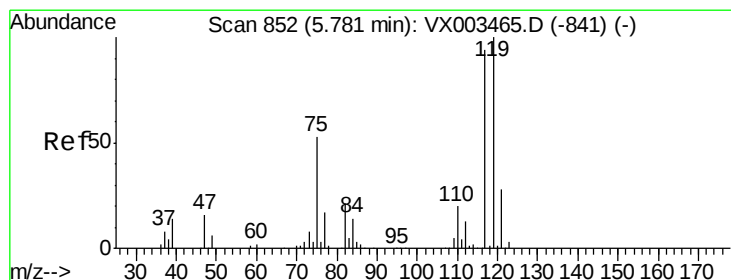
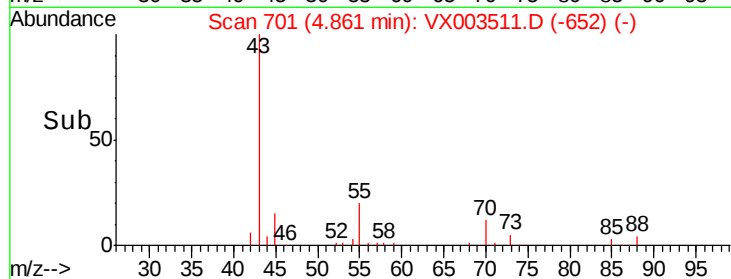
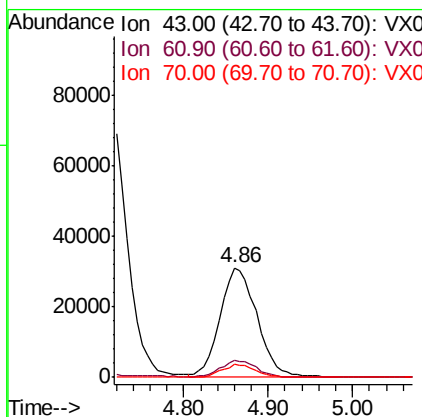
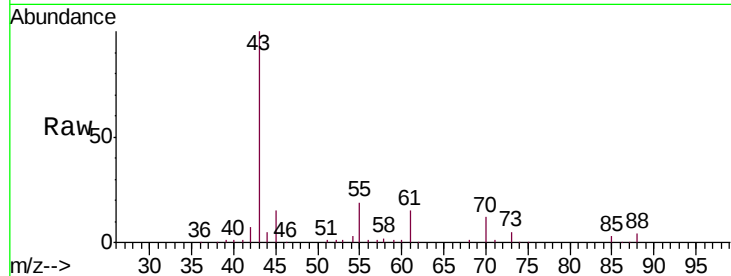
#37
Ethyl Acetate
Concen: 21.272 ug/l
RT: 4.86 min Scan# 701
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.4	15.6
70	11.0	7.6	11.4

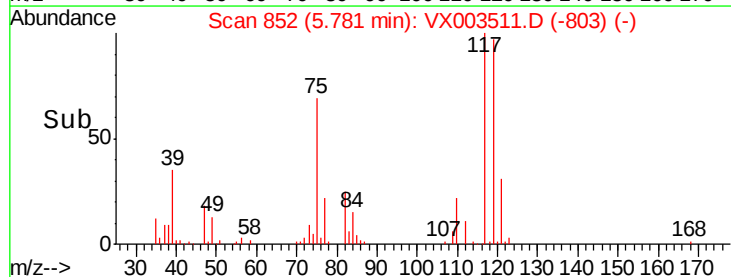
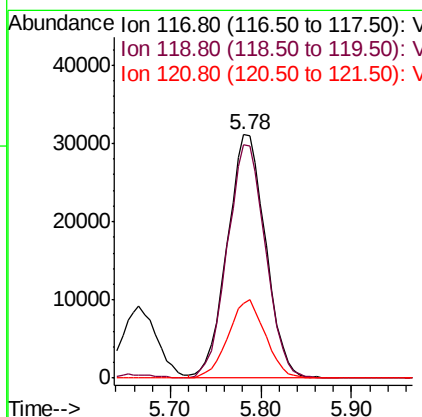
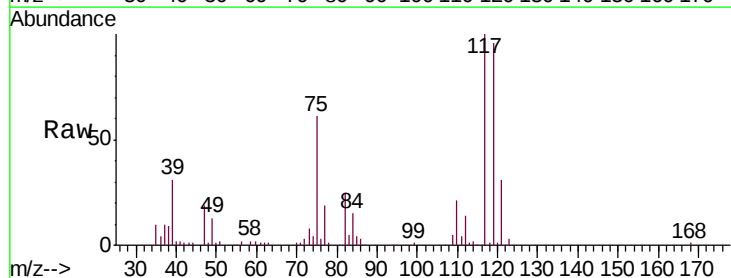
Manual Integrations
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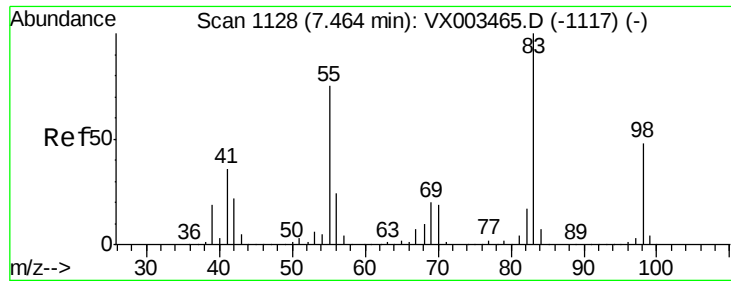
MMDadoda
7/23/2018 12:34:50 PM



#38
Carbon Tetrachloride
Concen: 20.356 ug/l
RT: 5.78 min Scan# 852
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.4	116.0
121	30.5	24.4	36.6





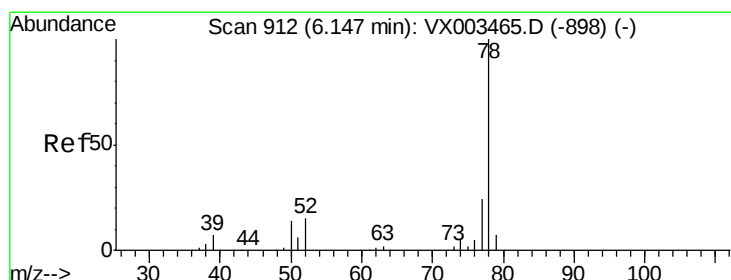
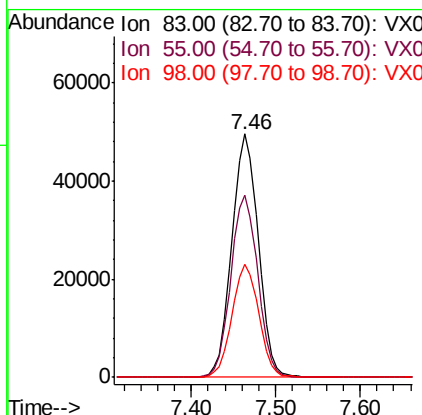
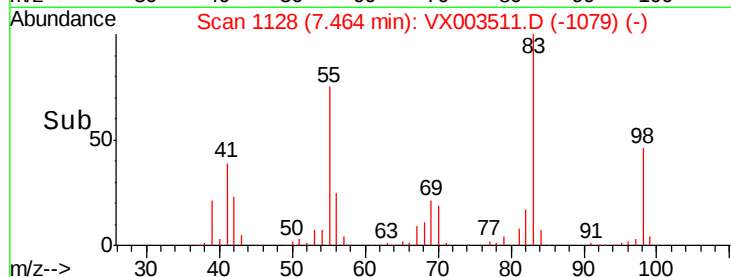
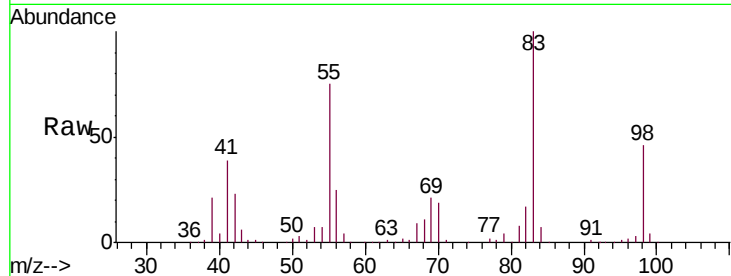
#39
Methvlcvclohexane
Concen: 19.462 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.7	65.4	98.0
98	46.4	37.4	56.0

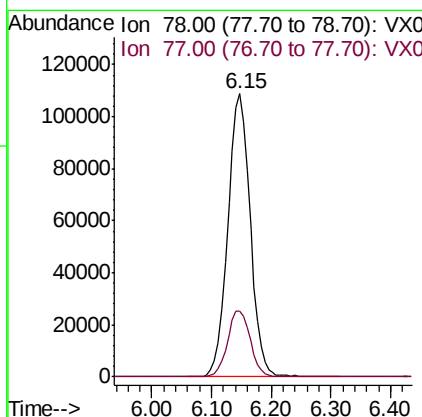
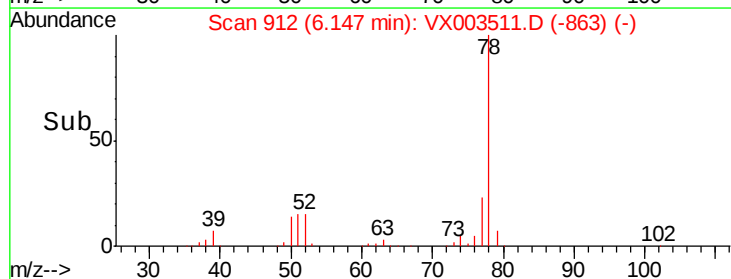
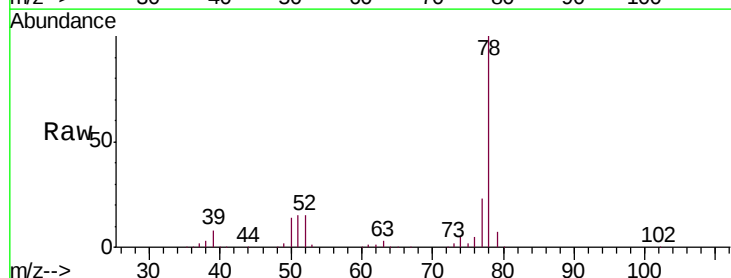
Manual Integrations
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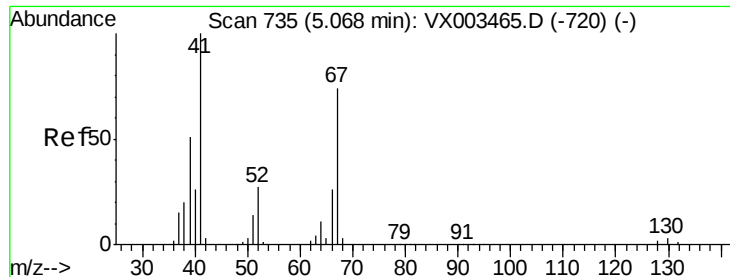
MMDadoda
7/23/2018 12:34:50 PM



#40
Benzene
Concen: 20.590 ug/l
RT: 6.15 min Scan# 912
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.1	28.7





#41

Methacrylonitrile

Concen: 20.813 ug/l

RT: 5.07 min Scan# 735

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

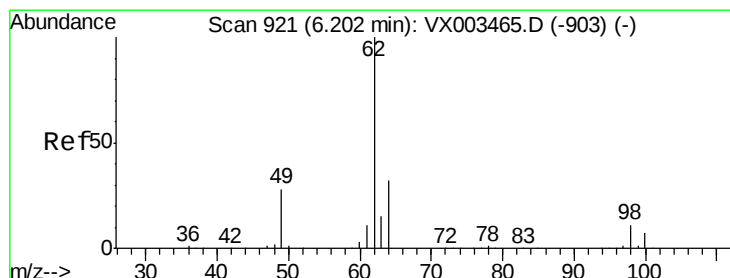
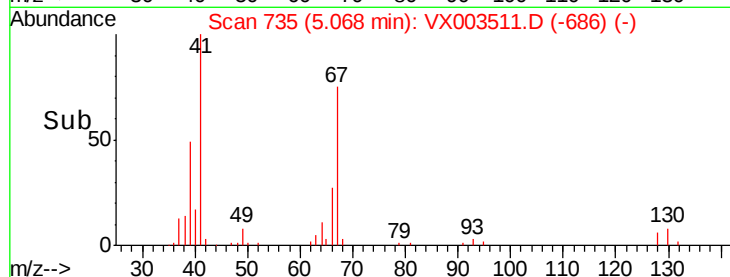
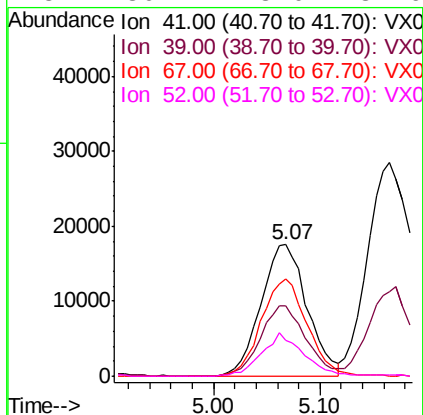
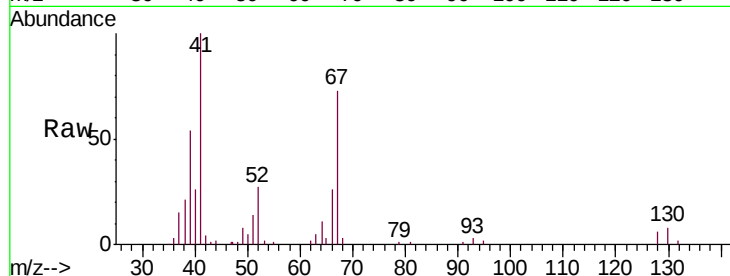
ClientSampleId :

VX0720WBS02

Tot Ion:	41	Resp:	52948
Ion	Ratio	Lower	Upper
41	100		
39	53.1	45.8	68.6
67	73.8	51.3	76.9
52	30.4	23.0	34.6

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:34:50 PM



#42

1,2-Dichloroethane

Concen: 21.317 ug/l

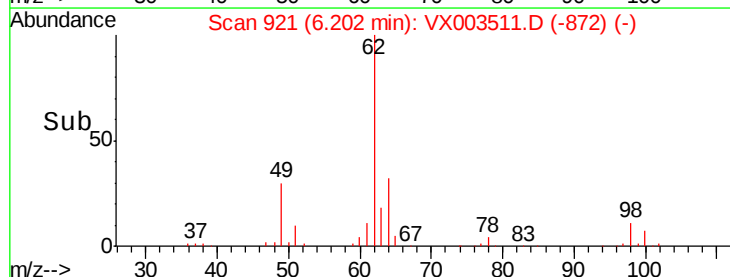
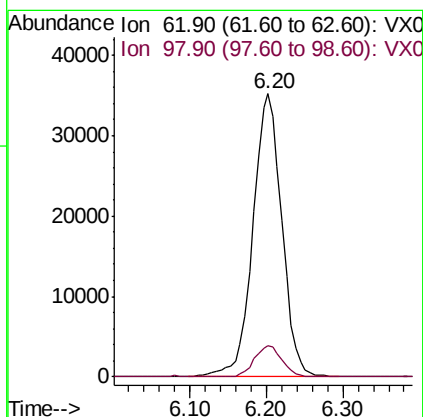
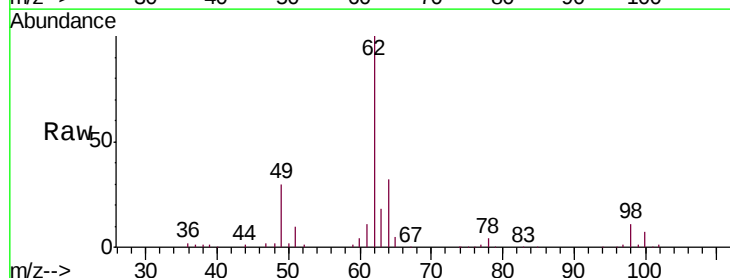
RT: 6.20 min Scan# 921

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion:	62	Resp:	92757
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	16.6





#43

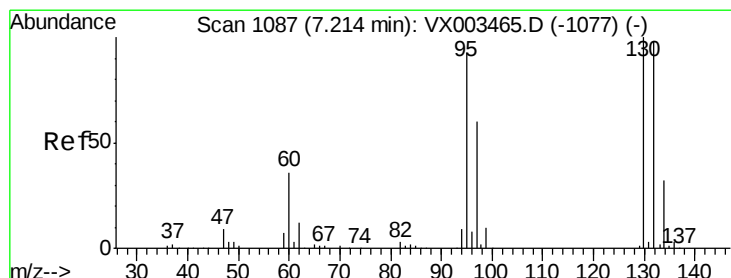
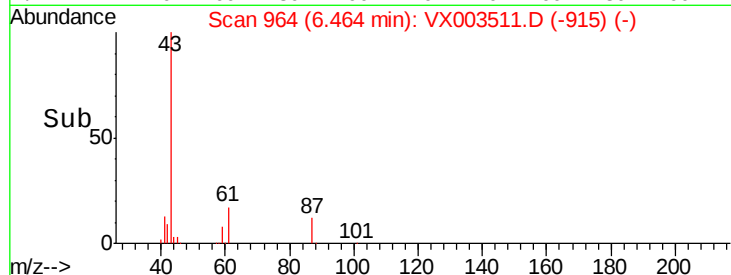
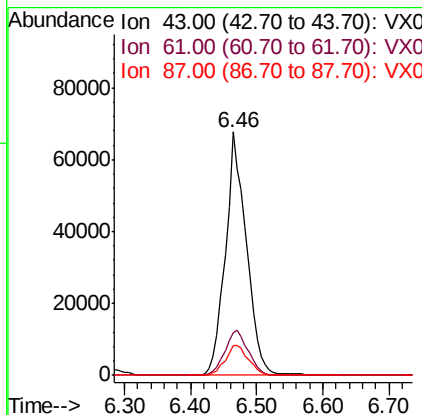
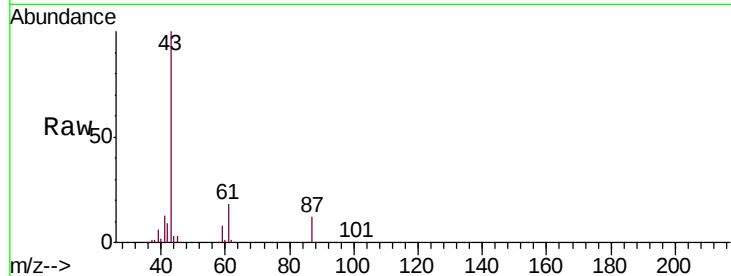
Isopropyl Acetate
 Concen: 21.627 ug/l
 RT: 6.46 min Scan# 964
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	20.6	14.4	21.6
87	13.6	9.5	14.3

Manual Integrations
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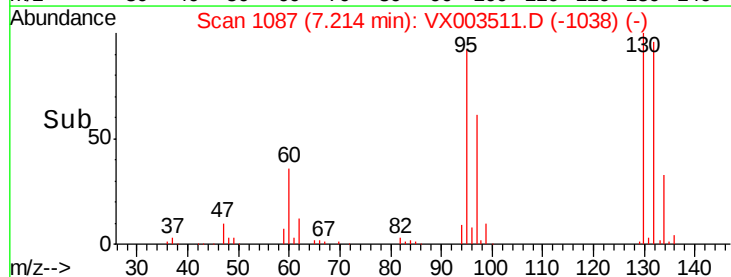
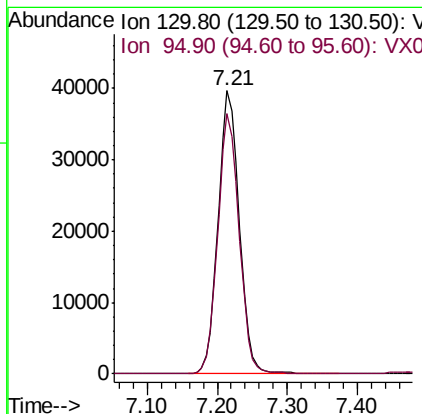
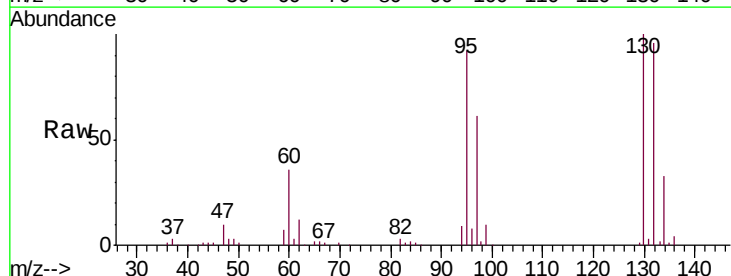
MMDadoda
 7/23/2018 12:34:50 PM



#44

Trichloroethene
 Concen: 20.330 ug/l
 RT: 7.21 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.9	0.0	185.4





#45

1,2-Dichloropropane

Concen: 20.868 ug/l

RT: 7.52 min Scan# 1137

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 63 Resp: 73181

Ion Ratio Lower Upper

63 100

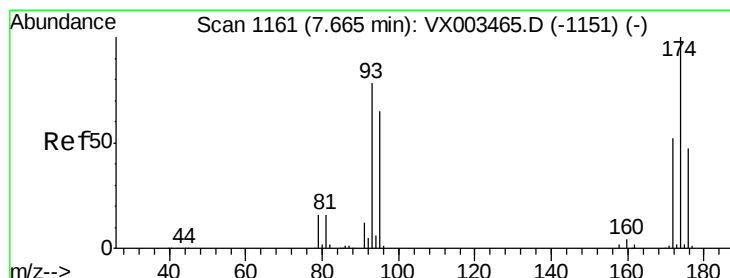
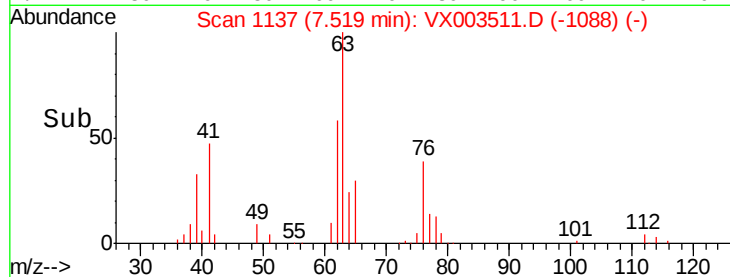
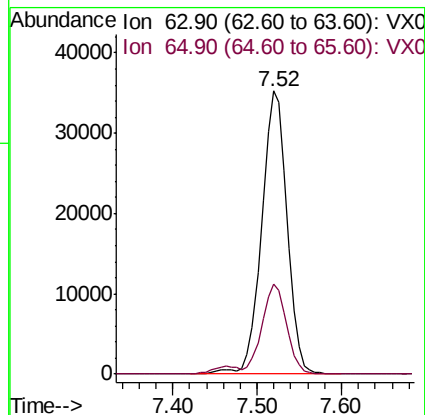
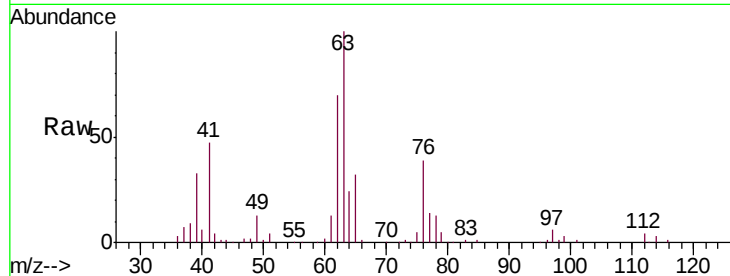
65 31.7 24.7 37.1

Manual Integrations

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#46

Dibromomethane

Concen: 21.100 ug/l

RT: 7.67 min Scan# 1161

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

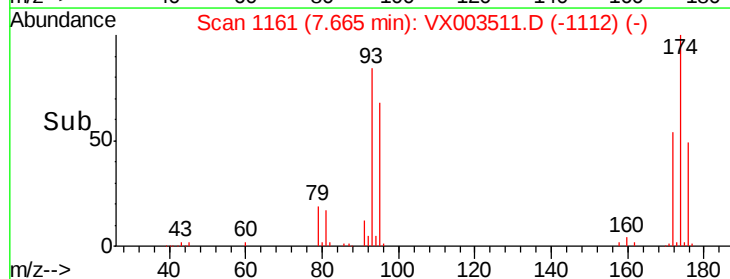
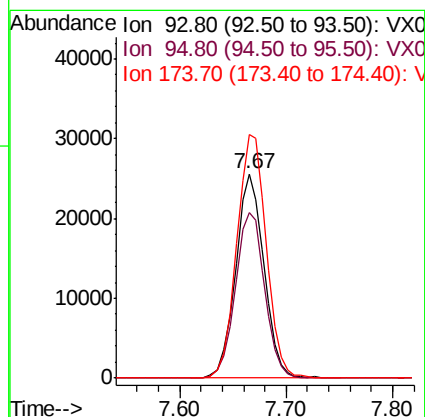
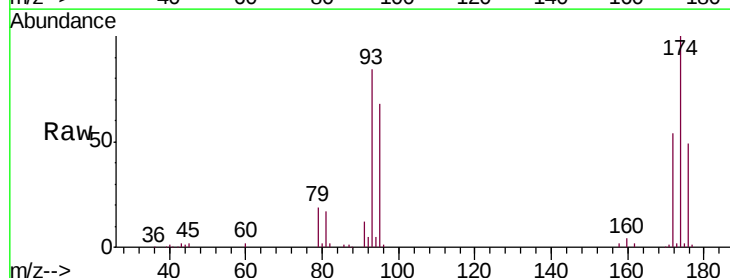
Tgt Ion: 93 Resp: 47638

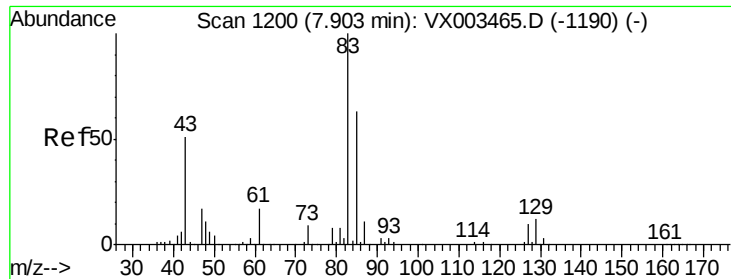
Ion Ratio Lower Upper

93 100

95 84.6 65.9 98.9

174 124.4 92.4 138.6





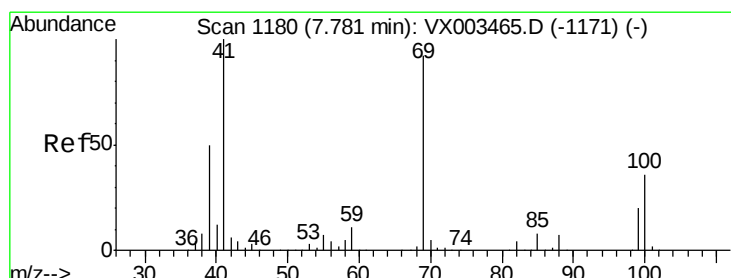
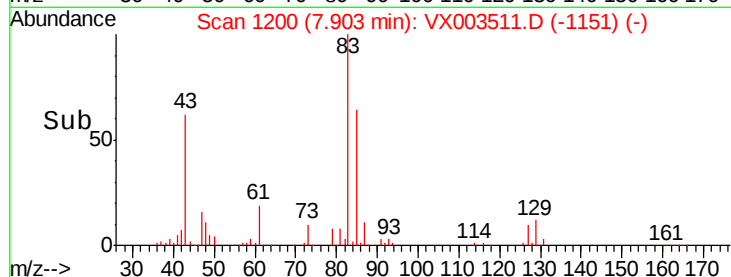
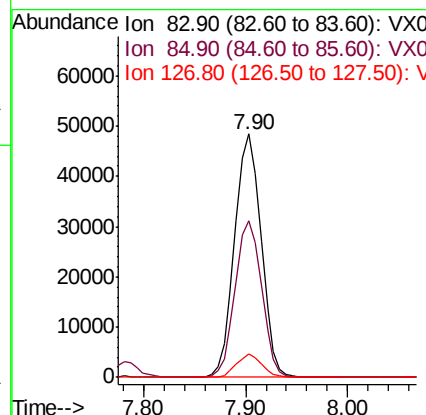
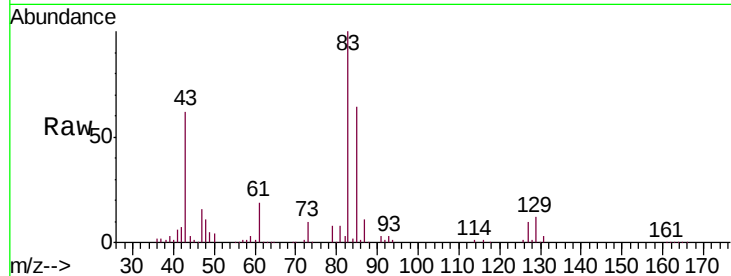
#47
Bromodichloromethane
Concen: 21.125 ug/l
RT: 7.90 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.3	75.5
127	9.6	7.0	10.4

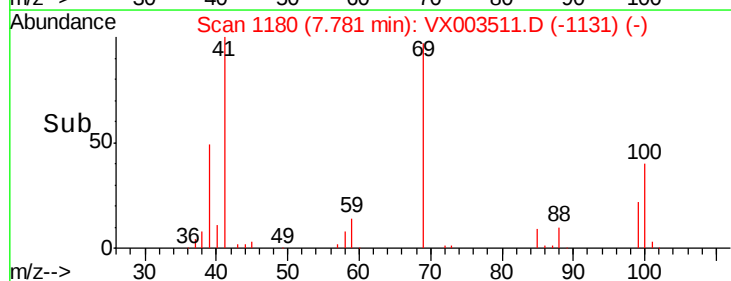
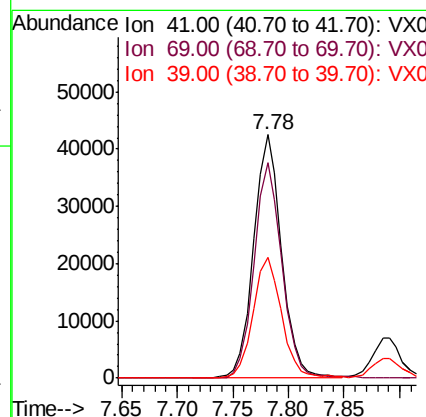
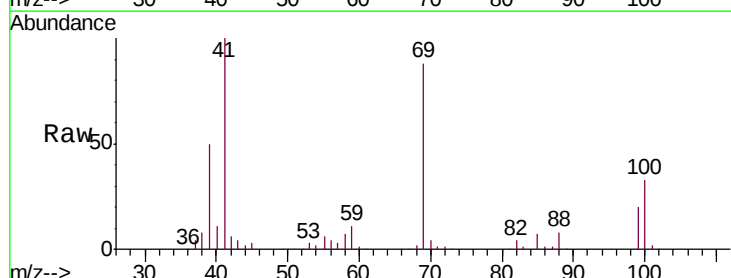
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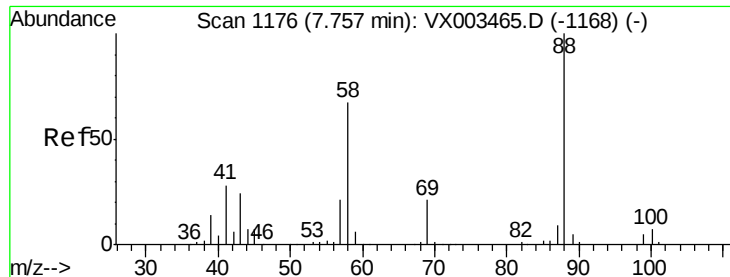
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7/23/2018 12:34:50 PM



#48
Methyl methacrylate
Concen: 21.310 ug/l
RT: 7.78 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.3	59.1	88.7#
39	51.3	48.9	73.3





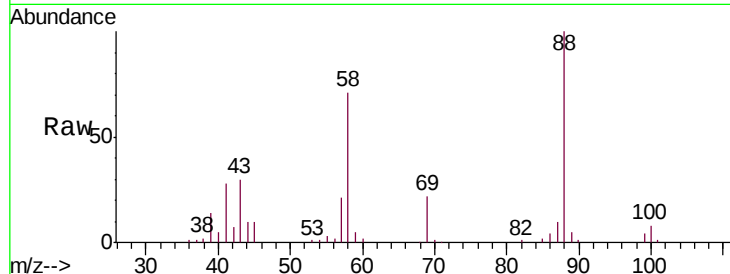
#49
 1,4-Dioxane
 Concen: 393.363 ug/l
 RT: 7.76 min Scan# 1176
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	29.8	44.6
58	70.9	57.1	85.7

Manual Integrations
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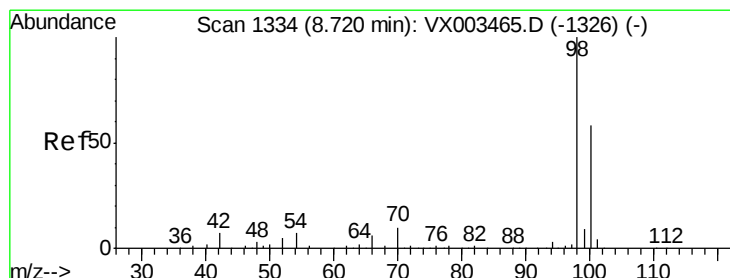
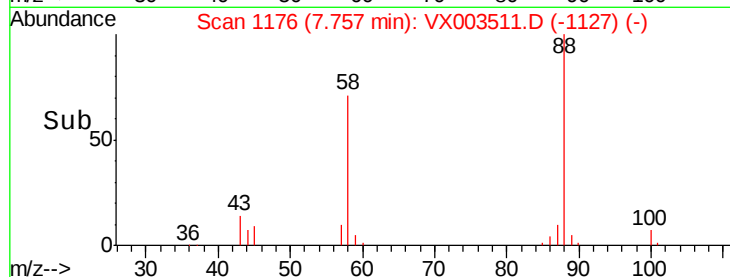
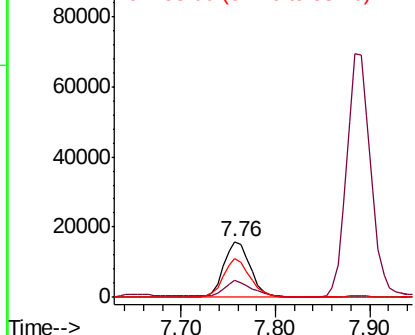


Abundance

Ion 88.00 (87.70 to 88.70): VX0

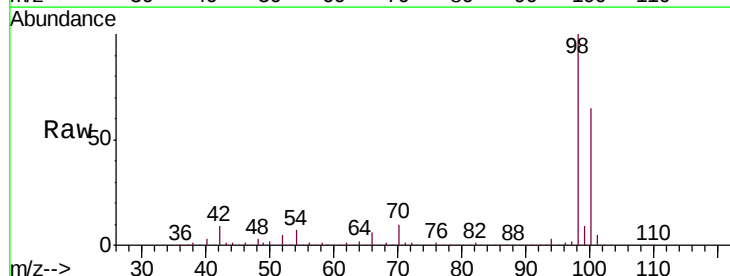
Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#50
 Toluene-d8
 Concen: 54.048 ug/l
 RT: 8.72 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

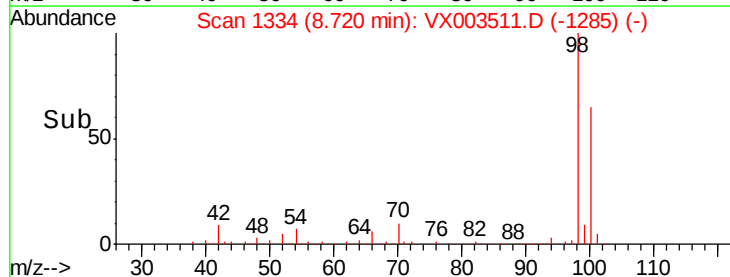
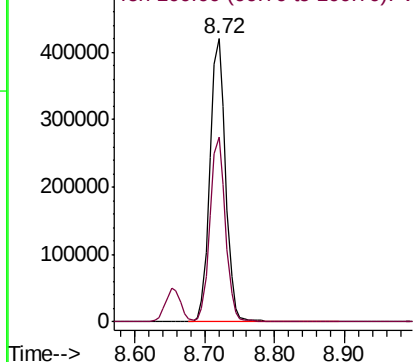
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	50.9	76.3

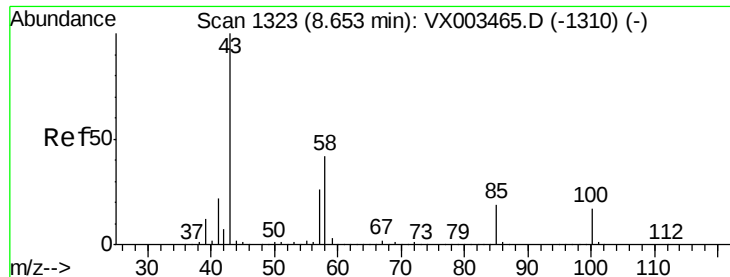


Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





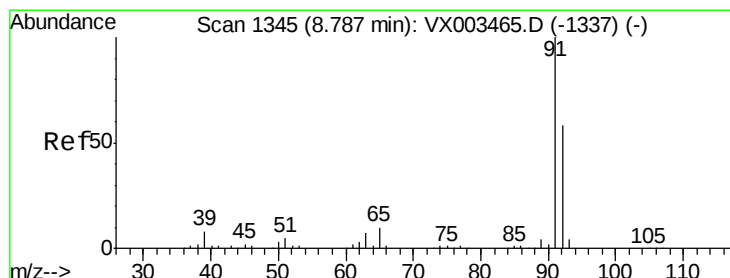
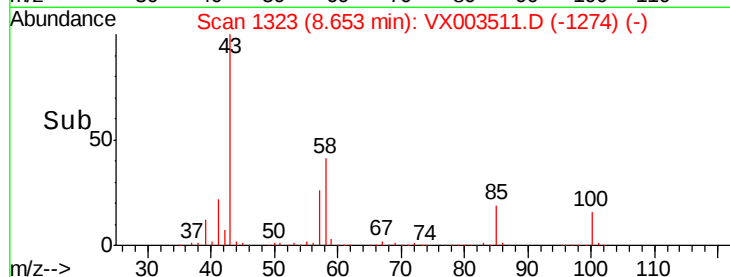
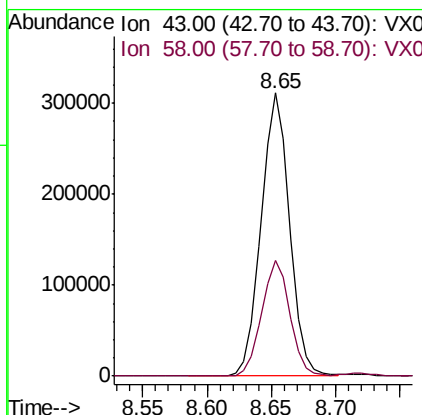
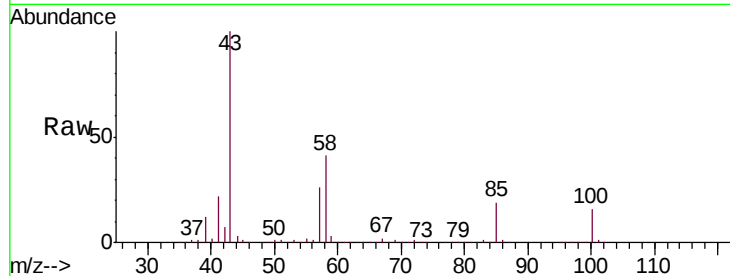
#51
4-Methyl-2-Pentanone
Concen: 108.917 ug/l
RT: 8.65 min Scan# 1323
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	40.7		28.6	42.8	

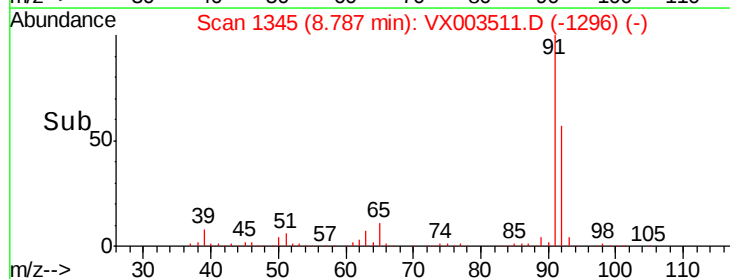
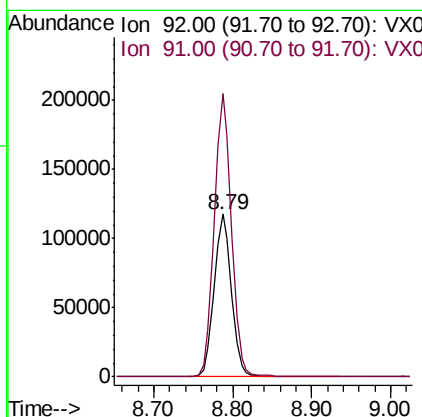
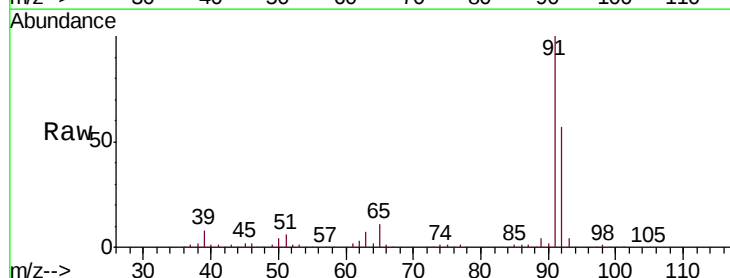
Manual Integrations
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#52
Toluene
Concen: 20.755 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	92	91	Ratio	Lower	Upper
92	100				
91	173.8		140.4	210.6	





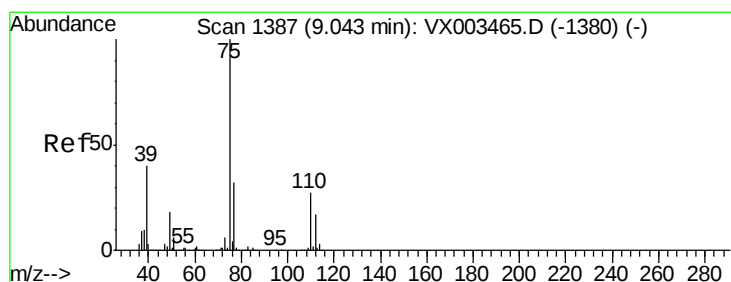
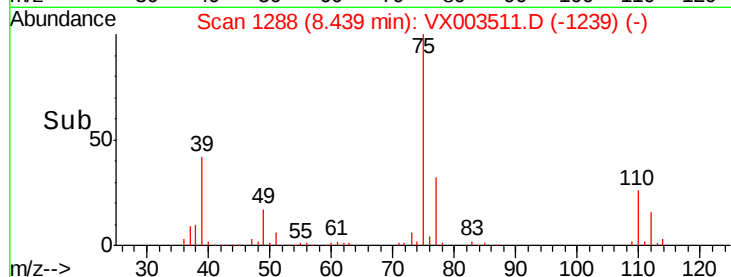
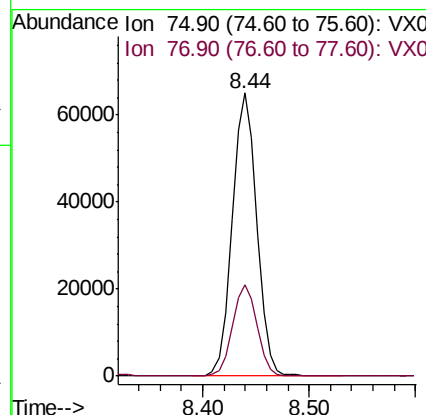
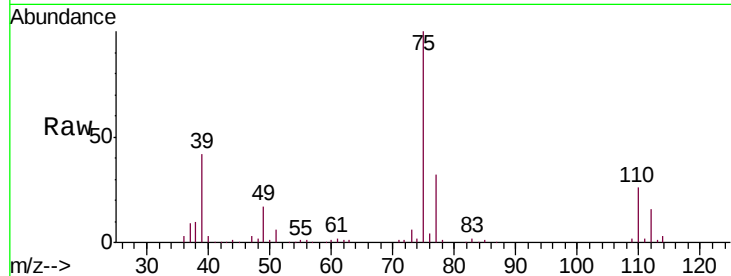
#53
t-1,3-Dichloropropene
Concen: 20.613 ug/l
RT: 8.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2

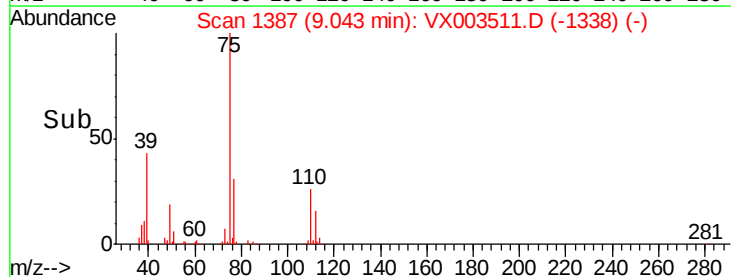
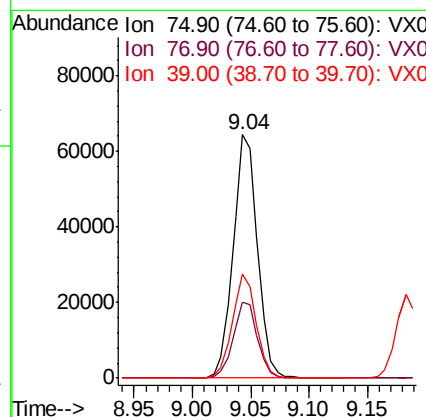
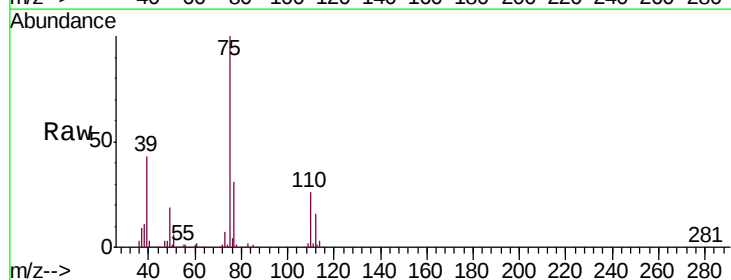
Manual Integrations
APPROVED

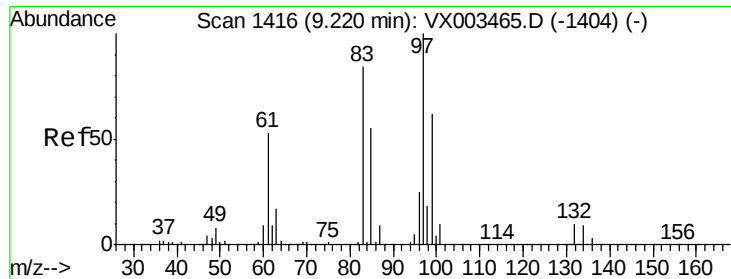
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#54
cis-1,3-Dichloropropene
Concen: 20.383 ug/l
RT: 9.04 min Scan# 1387
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.8	37.2
39	42.7	42.4	63.6





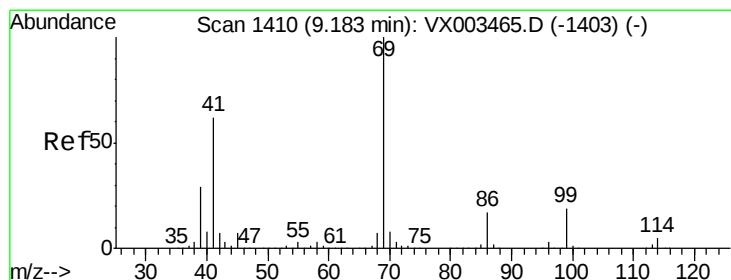
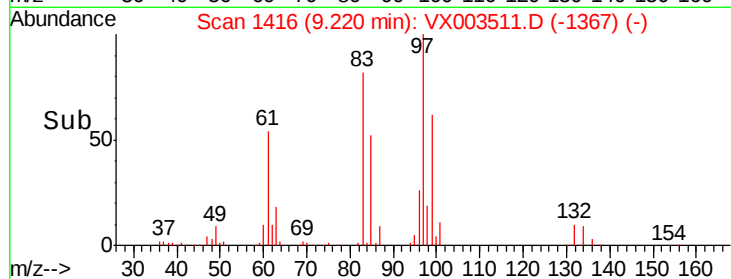
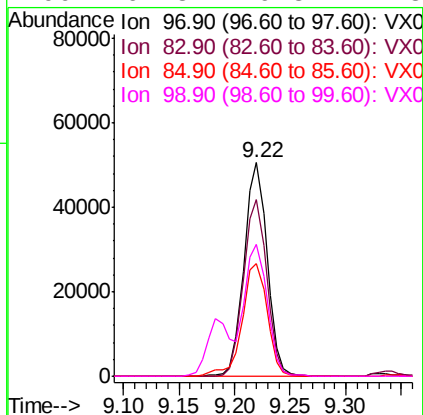
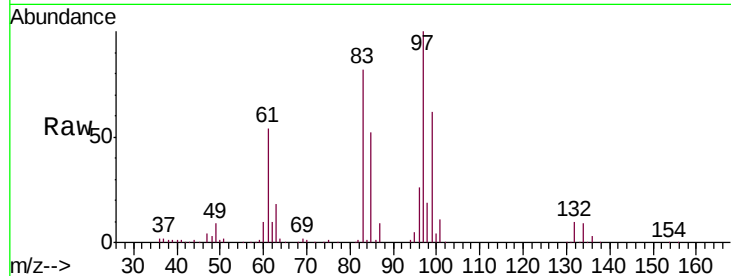
#55
 1,1,2-Trichloroethane
 Concen: 21.137 ug/l
 RT: 9.22 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion:	97	Resp:	73117
Ion Ratio	Lower	Upper	
97	100		
83	82.5	70.2	105.2
85	52.5	44.9	67.3
99	61.8	49.8	74.8

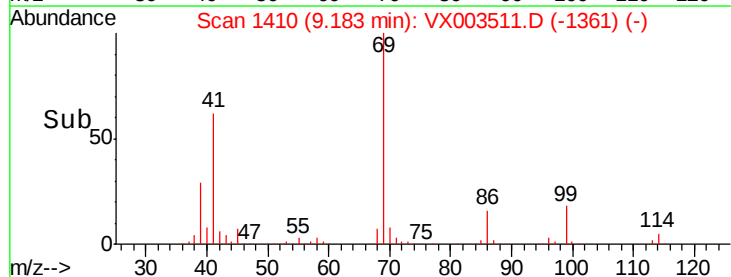
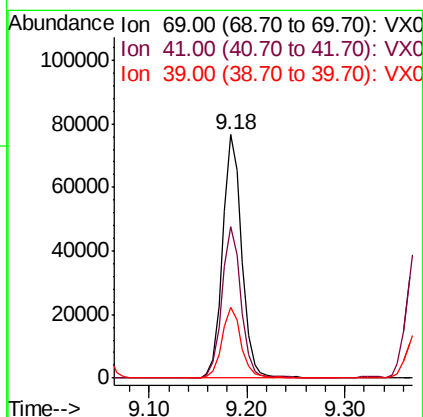
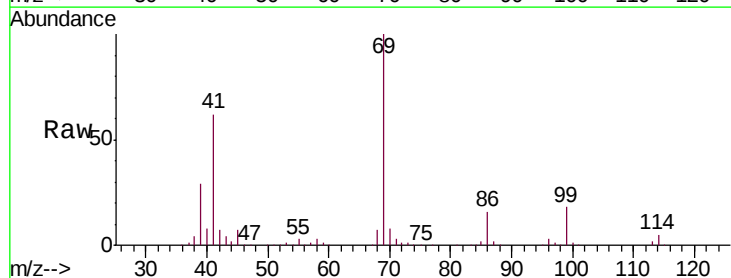
Manual Integrations
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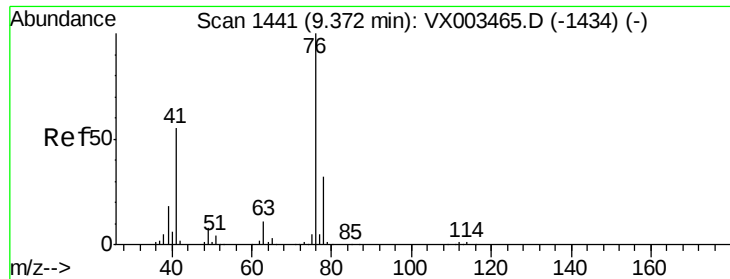
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#56
 Ethyl methacrylate
 Concen: 21.360 ug/l
 RT: 9.18 min Scan# 1410
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion:	69	Resp:	104076
Ion Ratio	Lower	Upper	
69	100		
41	62.1	60.3	90.5
39	29.1	35.8	53.8#





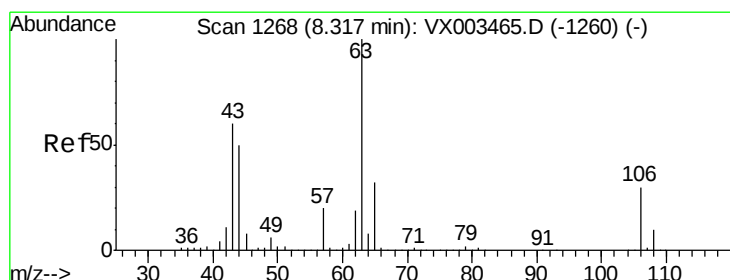
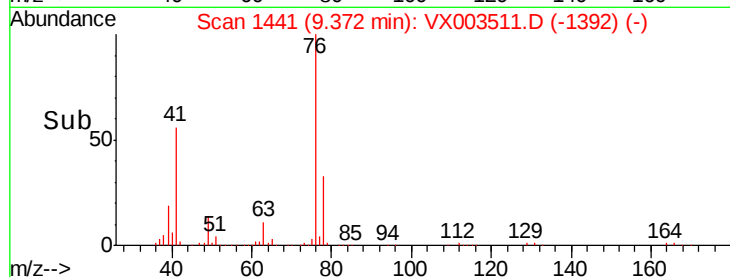
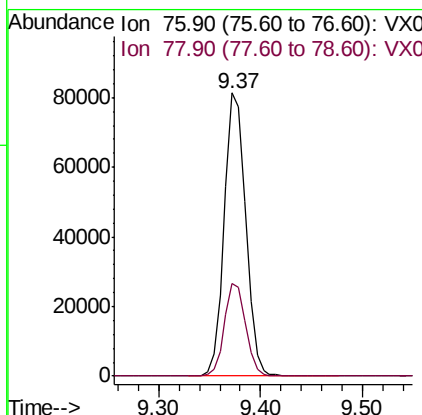
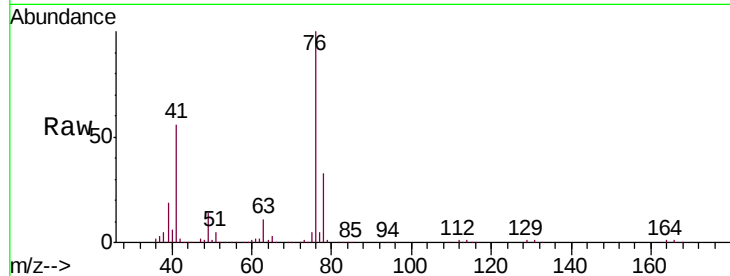
#57
 1,3-Dichloropropane
 Concen: 21.297 ug/l
 RT: 9.37 min Scan# 1441
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion: 76 Resp: 119088
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.8 38.6

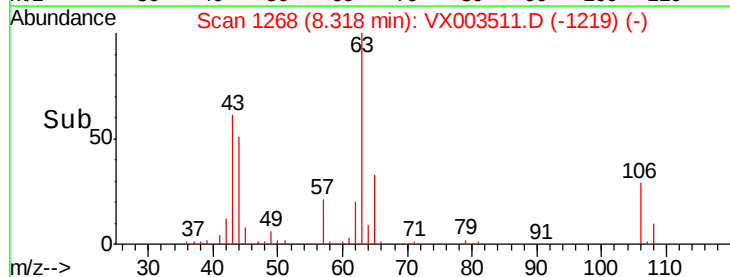
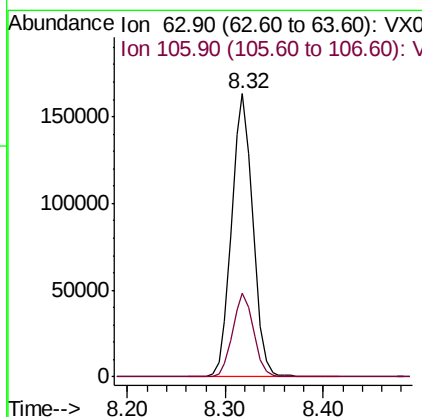
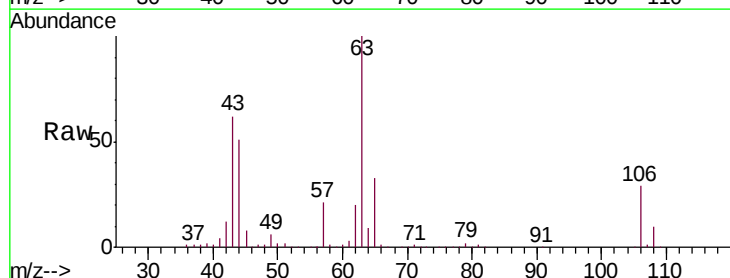
Manual Integrations
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#58
 2-Chloroethyl Vinyl ether
 Concen: 103.961 ug/l
 RT: 8.32 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion: 63 Resp: 246304
 Ion Ratio Lower Upper
 63 100
 106 29.2 21.8 32.8





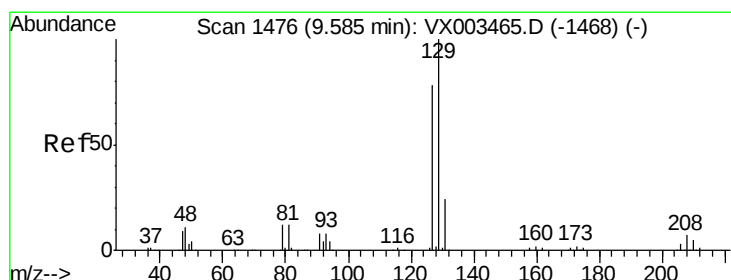
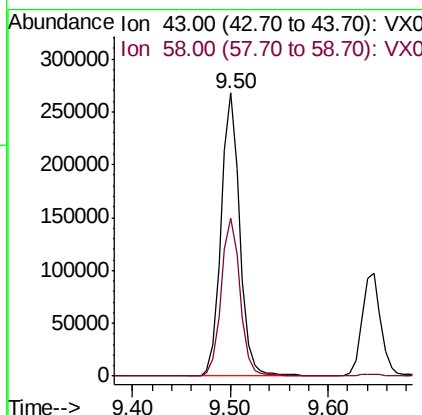
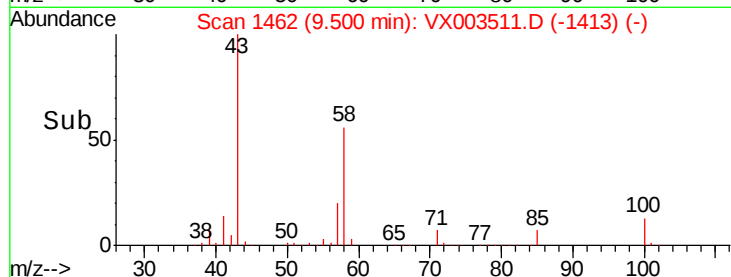
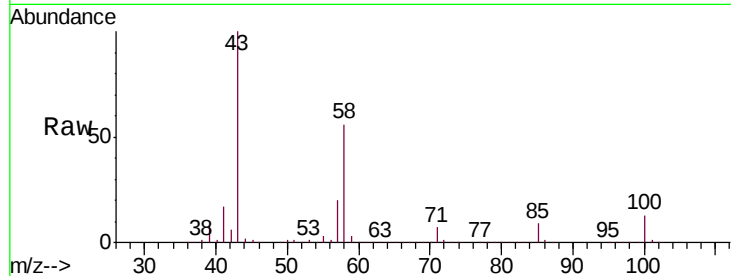
#59
2-Hexanone
Concen: 109.811 ug/l
RT: 9.50 min Scan# 1462
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion: 43 Resp: 353914
Ion Ratio Lower Upper
43 100
58 56.9 24.6 73.6

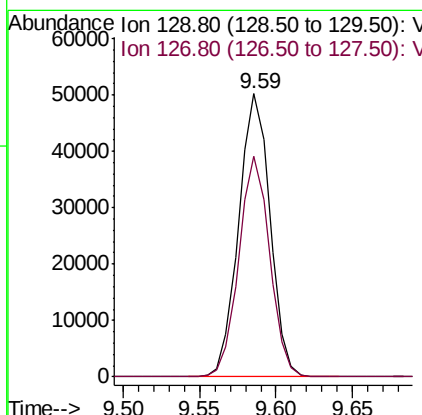
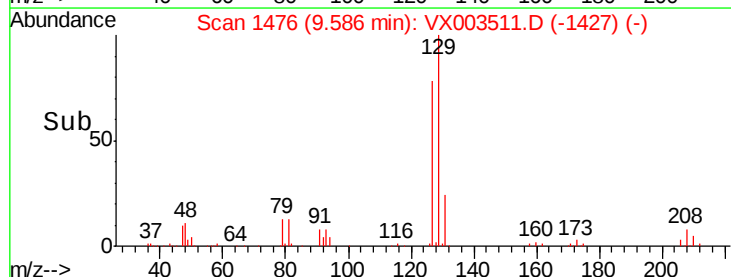
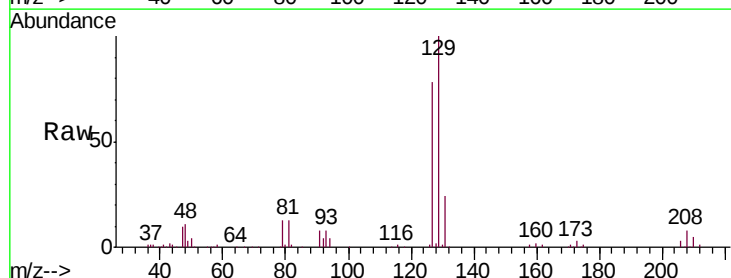
Manual Integrations
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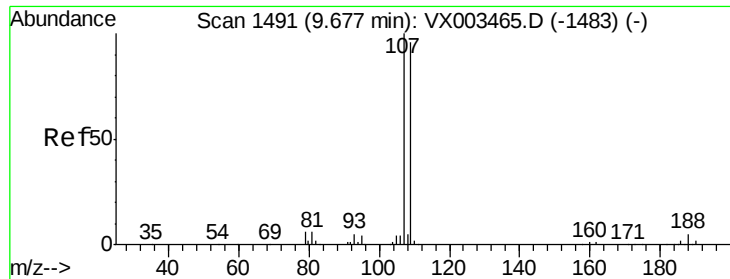
MMDadoda
7/23/2018 12:34:50 PM



#60
Dibromochloromethane
Concen: 20.841 ug/l
RT: 9.59 min Scan# 1476
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion: 129 Resp: 71361
Ion Ratio Lower Upper
129 100
127 76.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.190 ug/l

RT: 9.68 min Scan# 1491

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion:107 Resp: 75987

Ion Ratio Lower Upper

107 100

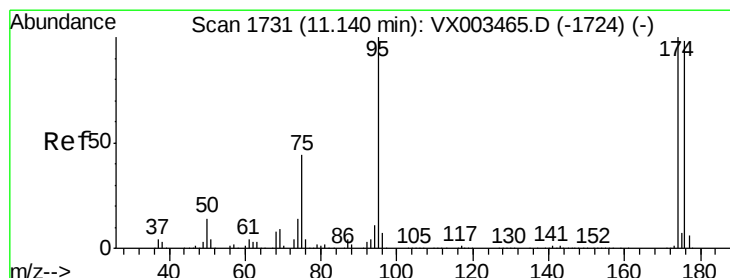
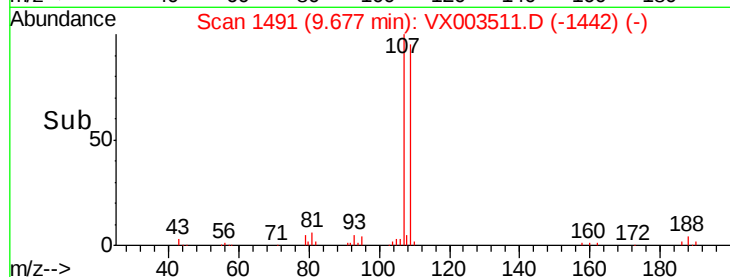
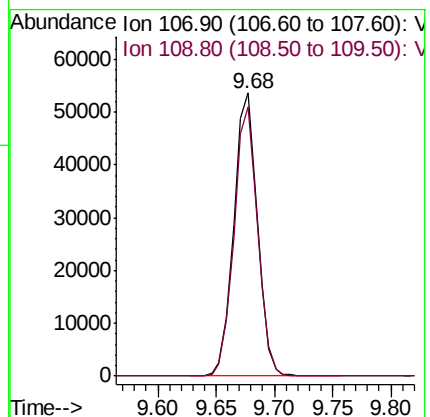
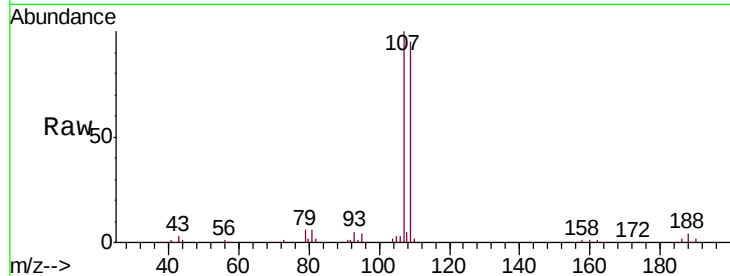
109 95.0 75.3 112.9

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 52.829 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

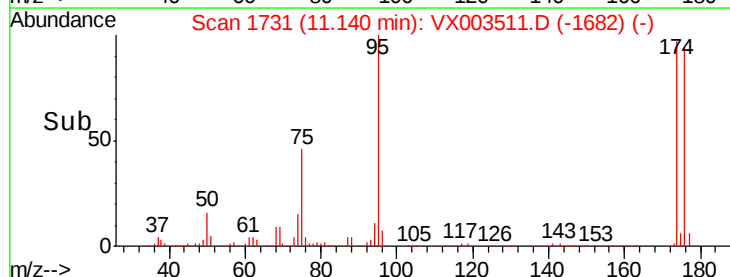
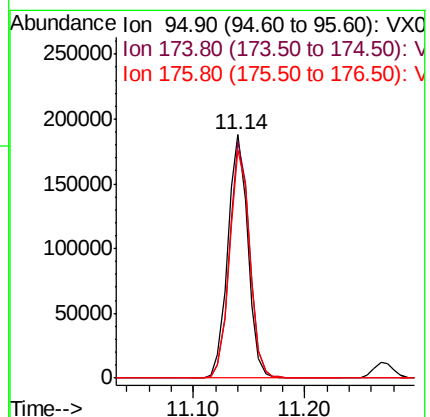
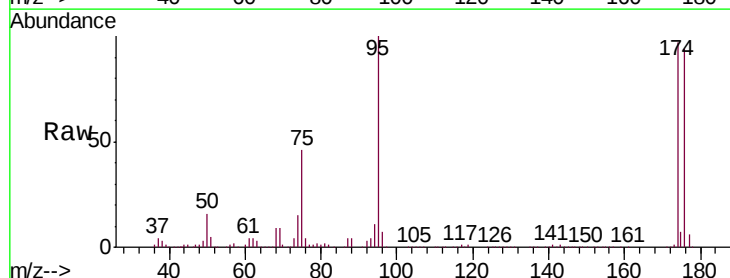
Tgt Ion: 95 Resp: 233840

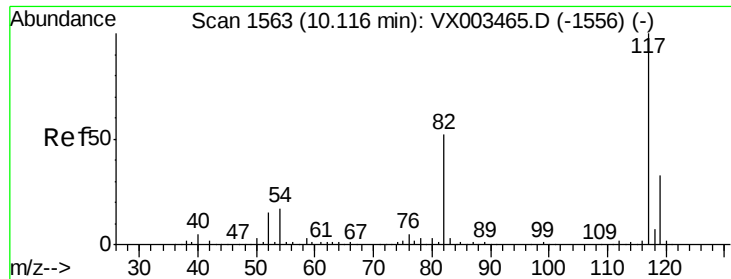
Ion Ratio Lower Upper

95 100

174 97.3 0.0 187.4

176 94.4 0.0 181.0





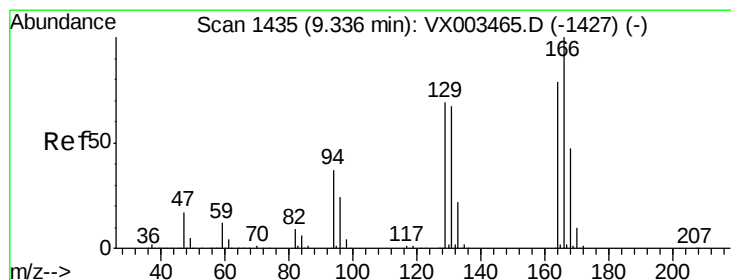
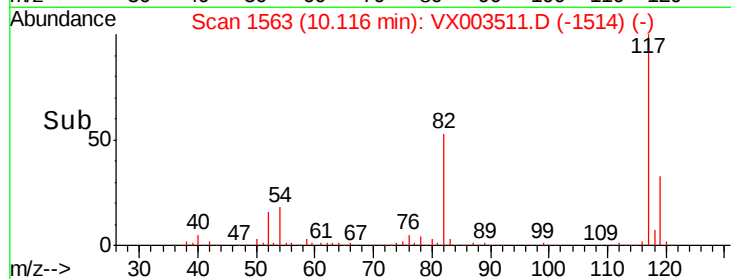
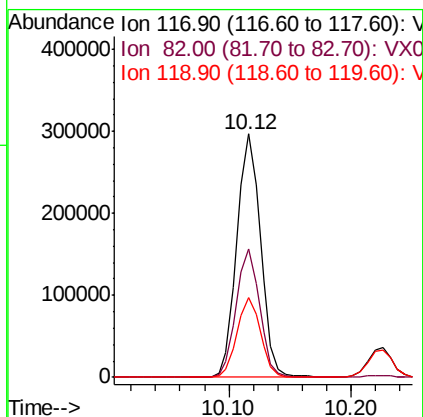
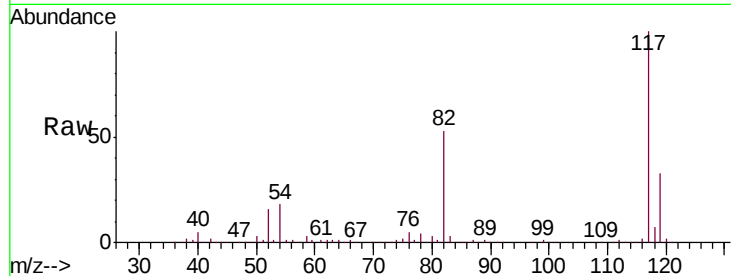
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	45.0	67.4
119	32.9	25.8	38.6

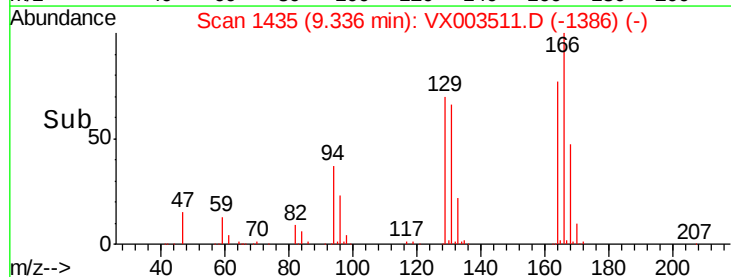
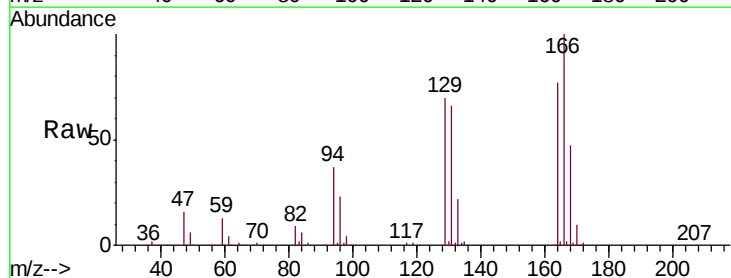
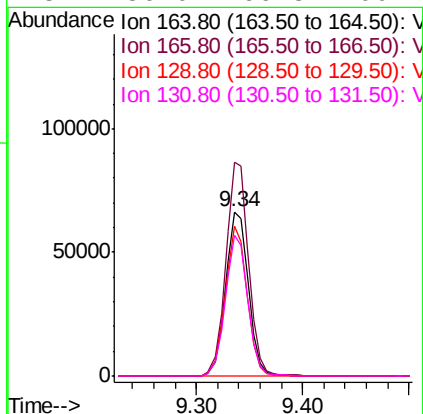
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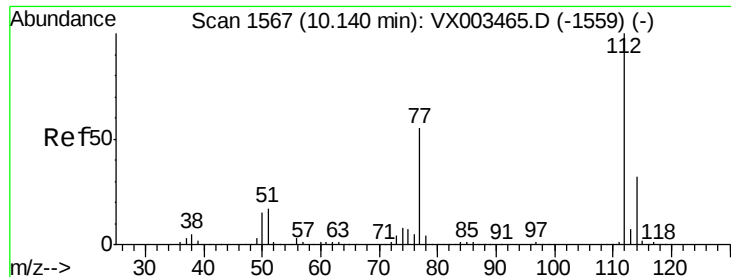
MMDadoda
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#64
Tetrachloroethene
Concen: 20.421 ug/l
RT: 9.34 min Scan# 1435
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	102.9	154.3
129	91.2	68.6	102.8
131	86.0	66.8	100.2





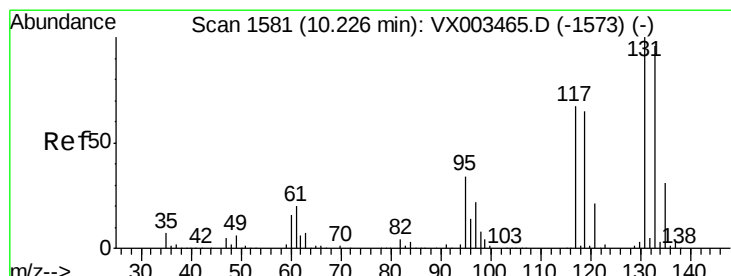
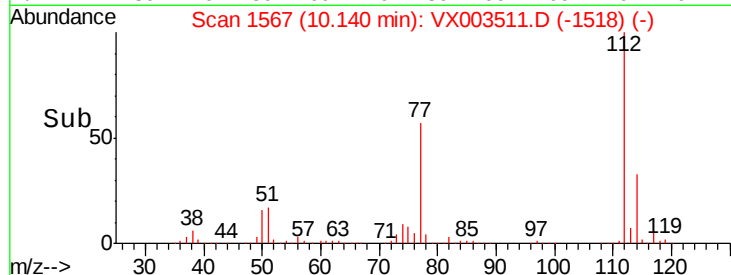
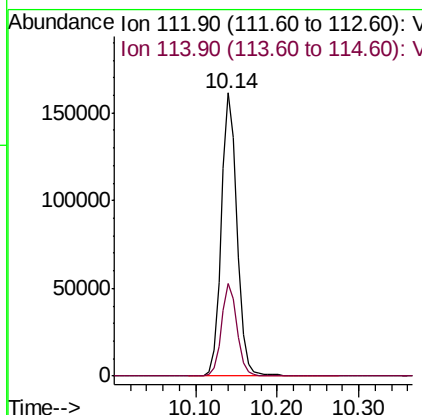
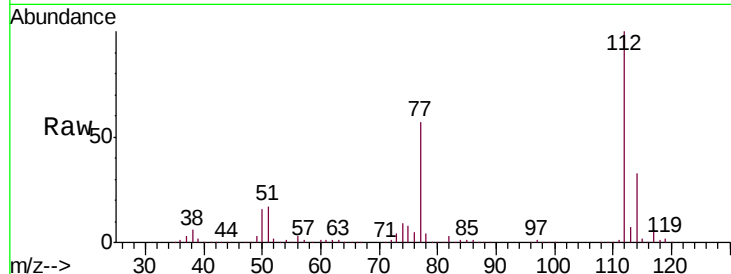
#65
Chlorobenzene
Concen: 21.164 ug/l
RT: 10.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion:112 Resp: 217768
Ion Ratio Lower Upper
112 100
114 32.5 25.3 37.9

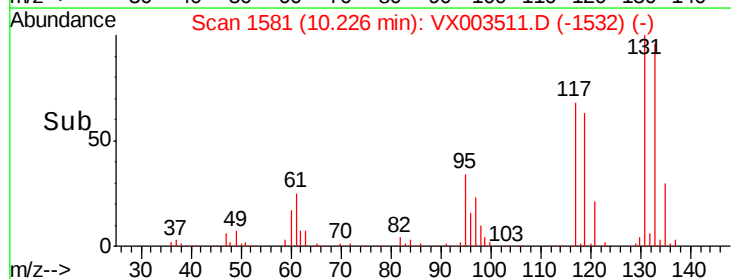
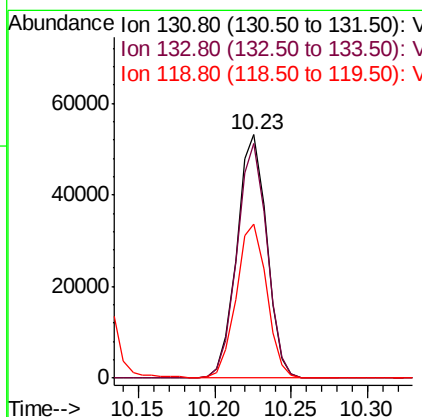
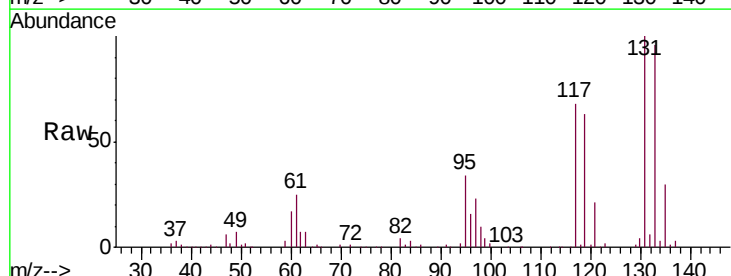
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.369 ug/l
RT: 10.23 min Scan# 1581
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion:131 Resp: 72112
Ion Ratio Lower Upper
131 100
133 96.4 47.9 143.6
119 64.7 31.8 95.3





#67

Ethyl Benzene

Concen: 20.333 ug/l

RT: 10.26 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 91 Resp: 336403

Ion Ratio Lower Upper

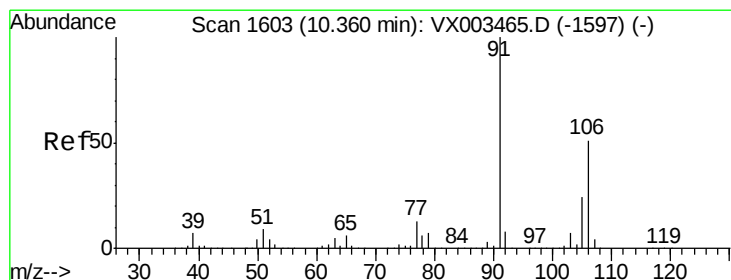
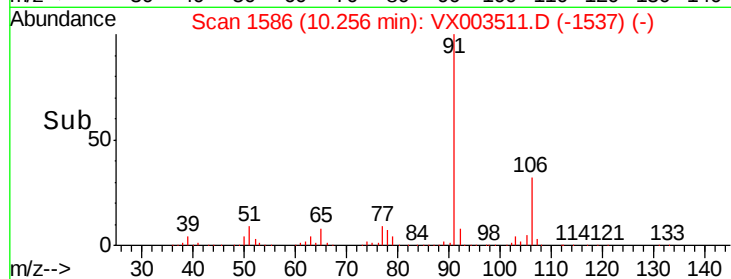
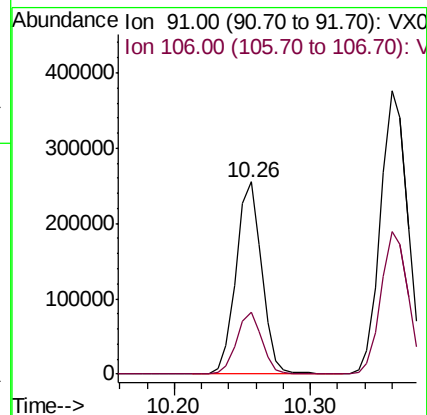
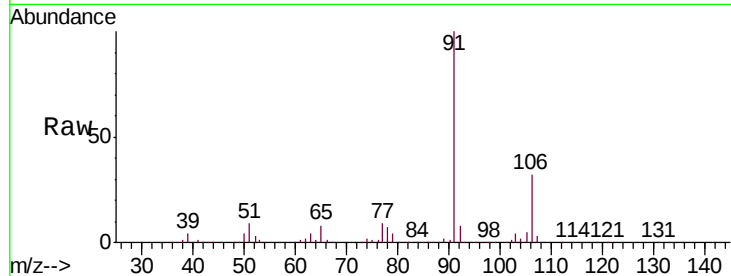
91 100

106 32.2 25.5 38.3

Manual Integrations
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#68

m/p-Xylenes

Concen: 40.819 ug/l

RT: 10.36 min Scan# 1603

Delta R.T. 0.00 min

Lab File: VX003511.D

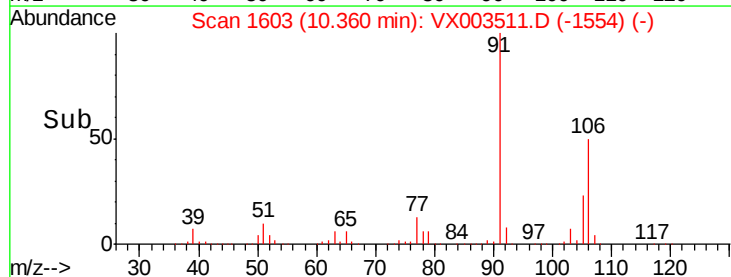
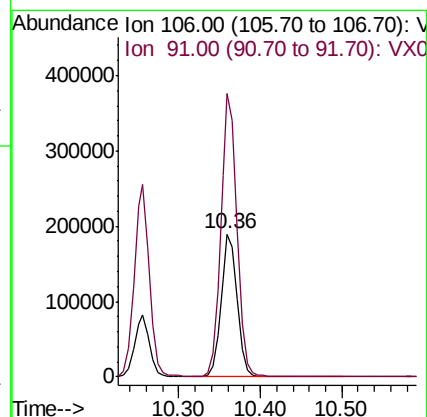
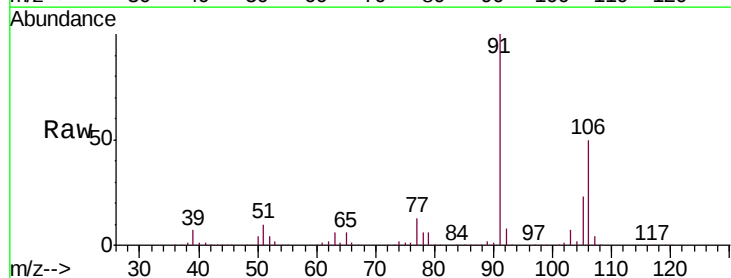
Acq: 20 Jul 2018 16:05

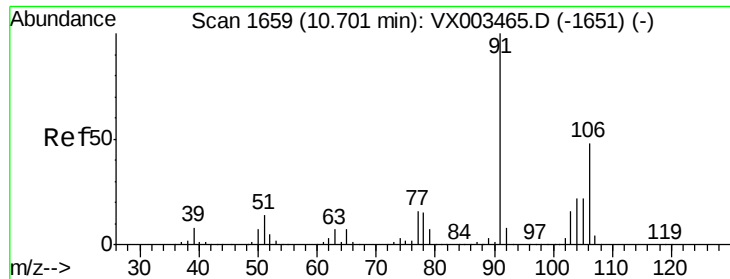
Tgt Ion: 106 Resp: 264752

Ion Ratio Lower Upper

106 100

91 197.1 163.4 245.2





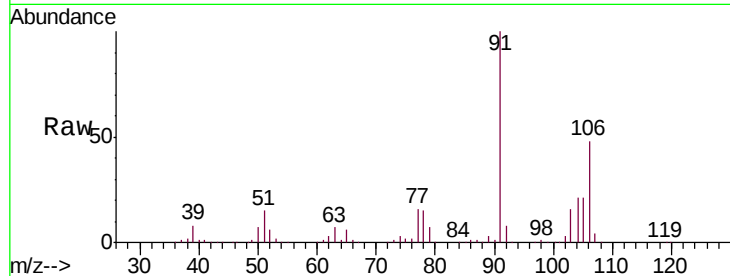
#69
o-Xylene
Concen: 20.366 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

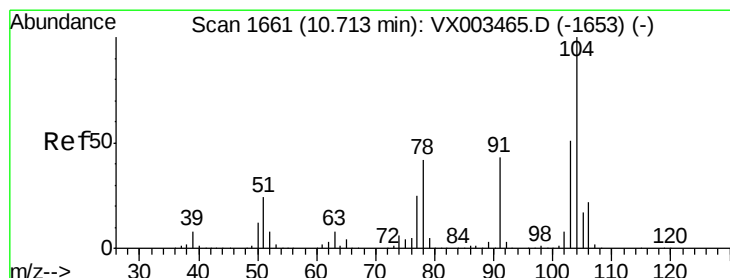
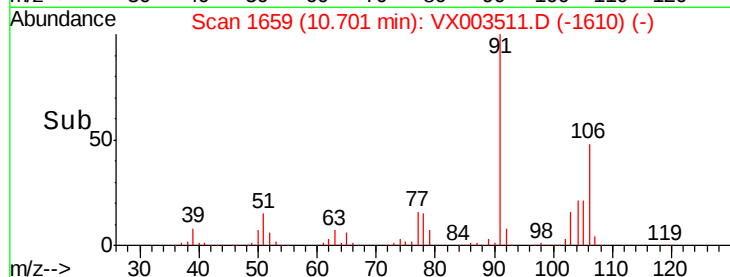
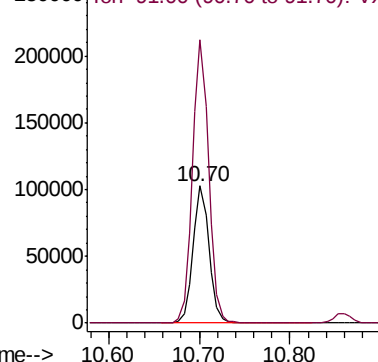
Tot Ion:106 Resp: 127735
Ion Ratio Lower Upper
106 100
91 208.2 108.2 324.6

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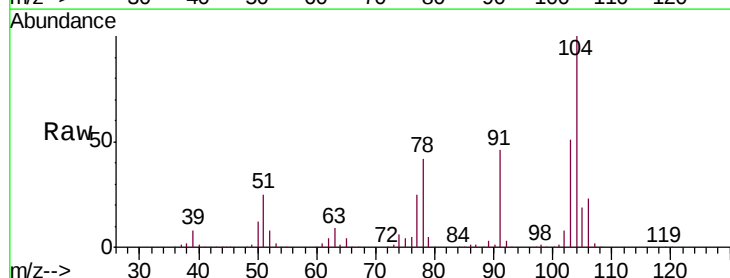


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

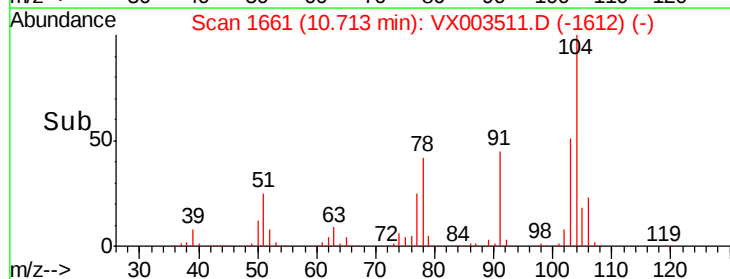
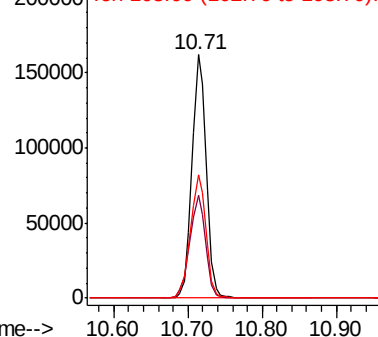


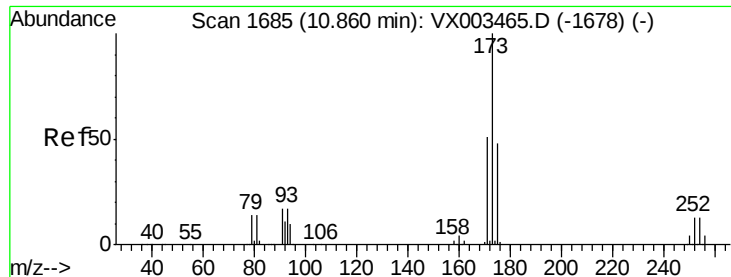
#70
Styrene
Concen: 20.708 ug/l
RT: 10.71 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion:104 Resp: 213636
Ion Ratio Lower Upper
104 100
78 46.6 41.0 61.6
103 55.1 44.2 66.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





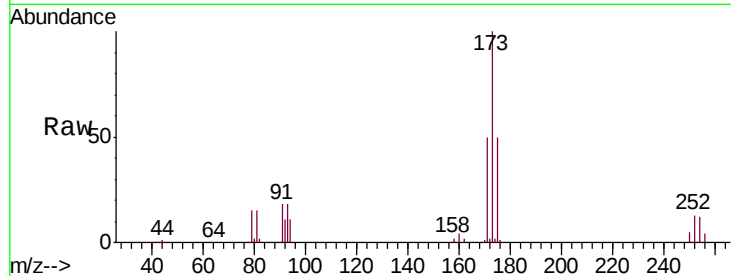
#71
Bromoform
Concen: 20.300 ug/l
RT: 10.86 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.7	74.1
254	0.2	0.2	0.2

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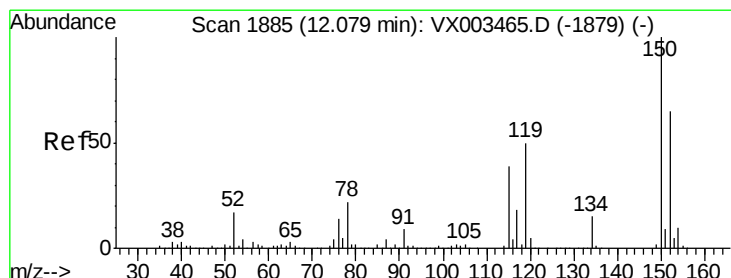
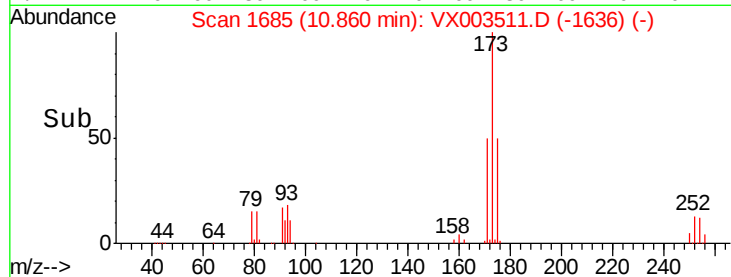
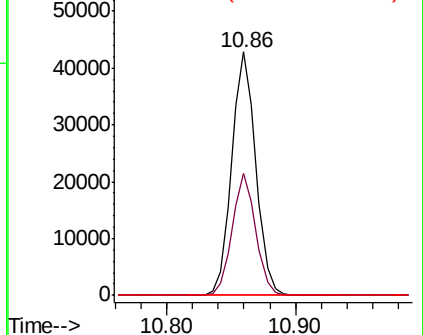


Abundance

Ion 172.70 (172.40 to 173.40): V

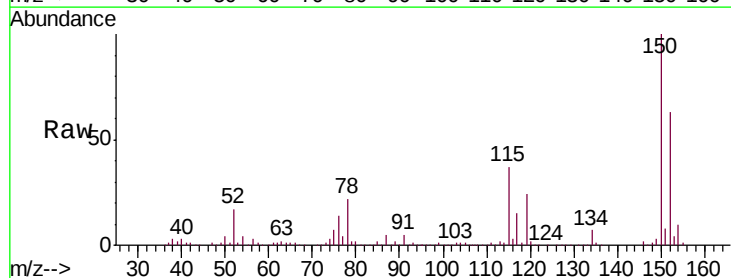
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.2	40.1	120.2
150	163.8	0.0	347.2

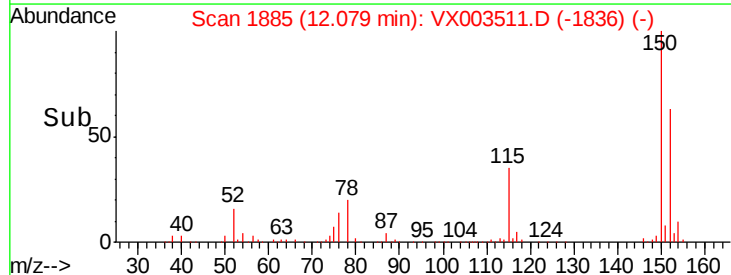
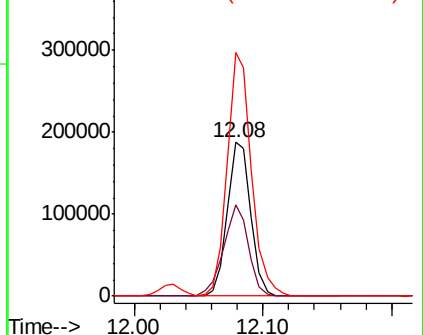


Abundance

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: 20.525 ug/l

RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion:105 Resp: 340044

Ion Ratio Lower Upper

105 100

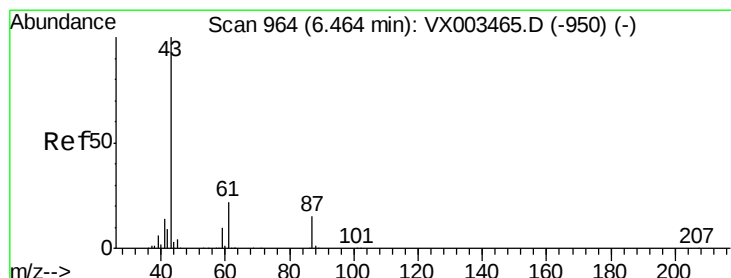
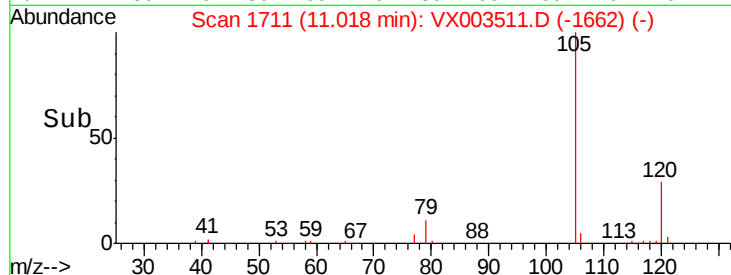
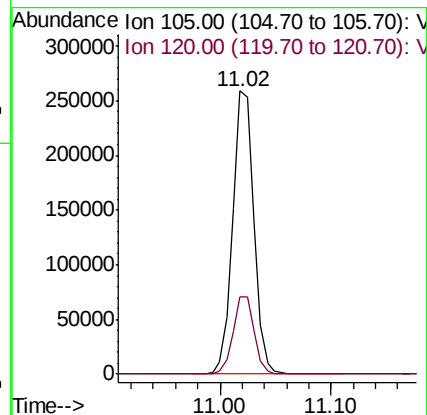
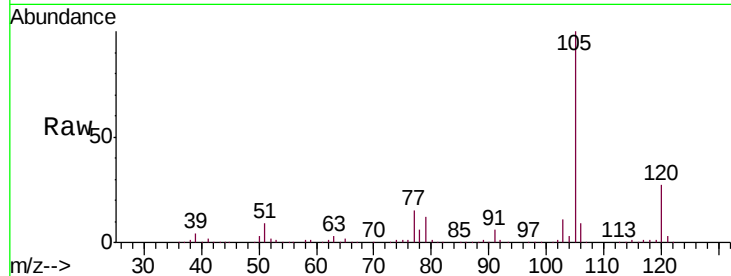
120 27.2 13.5 40.4

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.168 ug/l

RT: 6.46 min Scan# 964

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion: 43 Resp: 148910

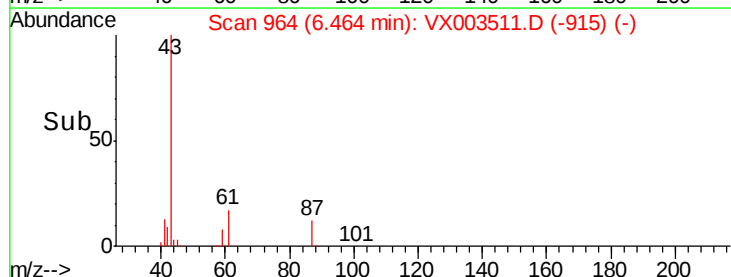
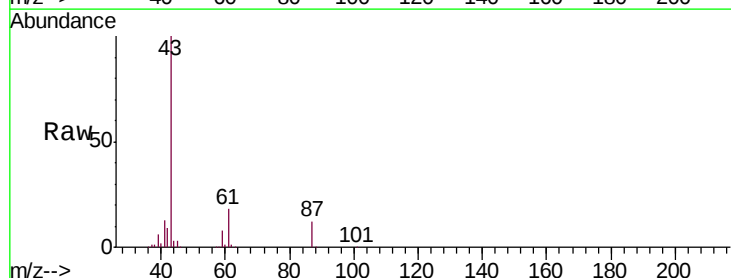
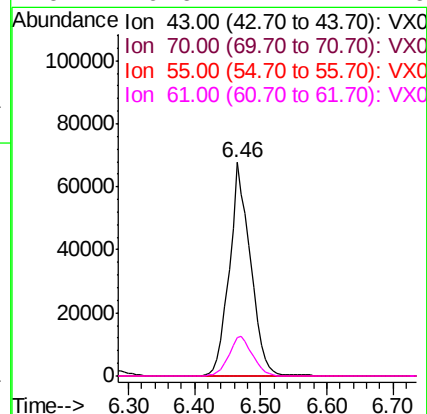
Ion Ratio Lower Upper

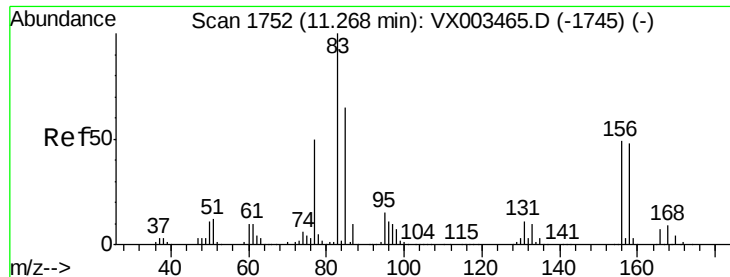
43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.6 14.4 21.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.740 ug/l

RT: 11.27 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 83 Resp: 100693

Ion Ratio Lower Upper

83 100

131 10.9 5.6 16.8

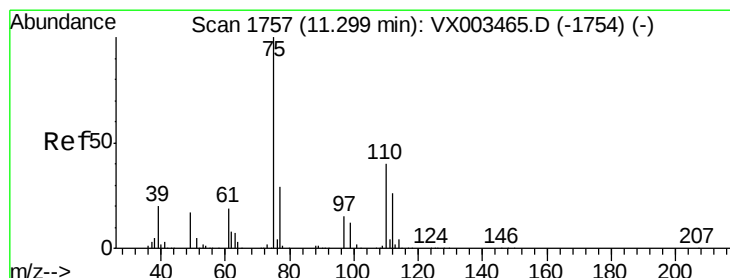
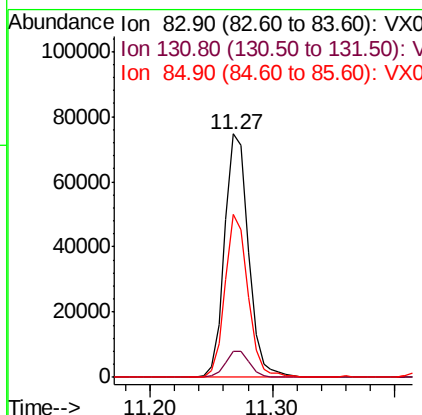
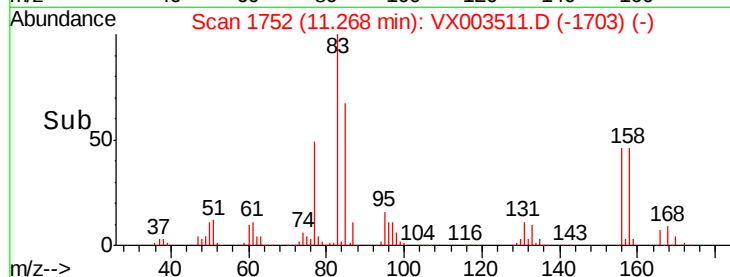
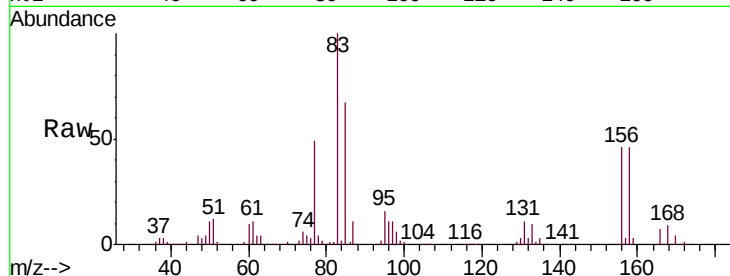
85 64.6 32.4 97.2

Manual Integrations

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#76

1,2,3-Trichloropropane

Concen: 21.453 ug/l m

RT: 11.30 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VX003511.D

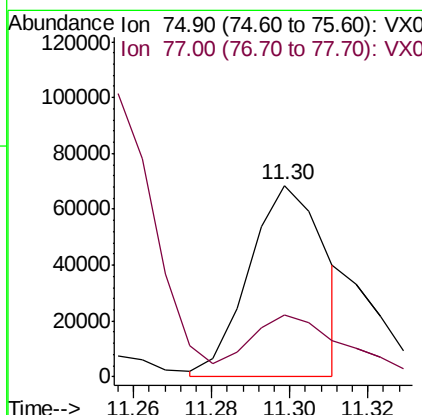
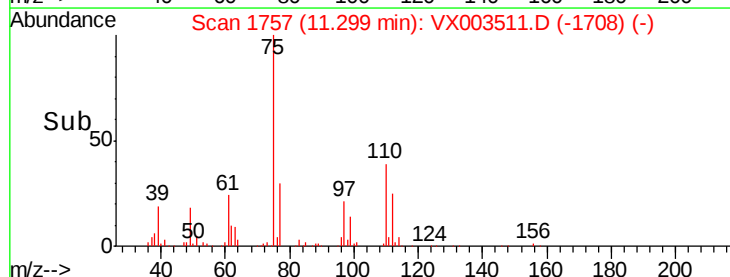
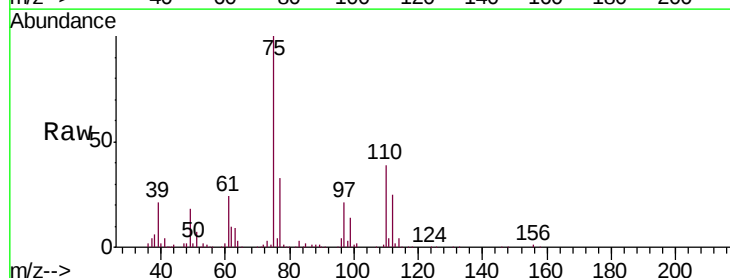
Acq: 20 Jul 2018 16:05

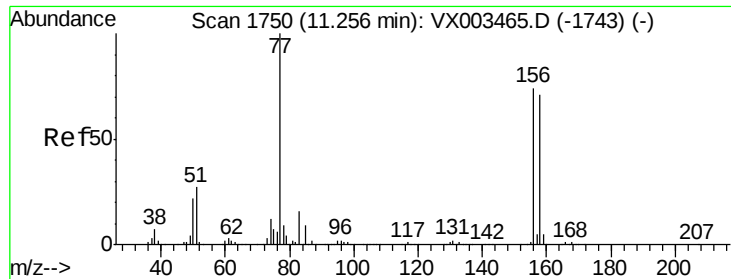
Tgt Ion: 75 Resp: 92324

Ion Ratio Lower Upper

75 100

77 40.8 22.8 68.3





#77

Bromobenzene

Concen: 20.046 ug/l

RT: 11.26 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion:156 Resp: 95519

Ion Ratio Lower Upper

156 100

77 135.6 71.4 214.2

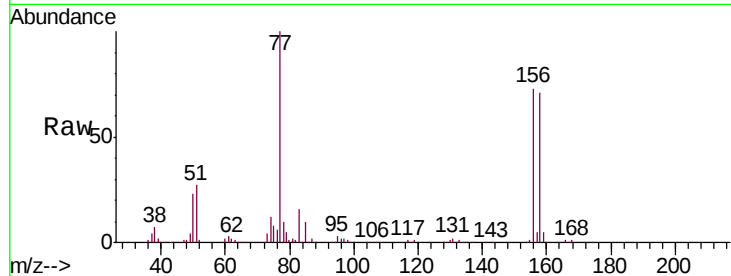
158 97.4 48.9 146.6

Manual Integrations

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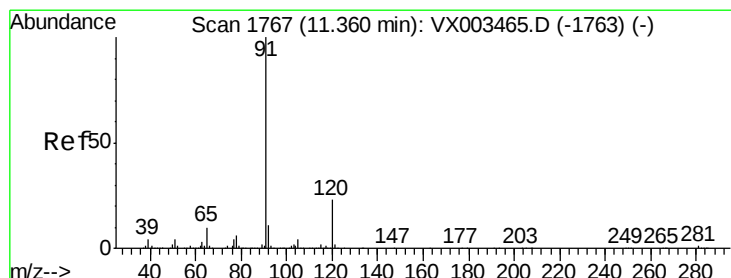
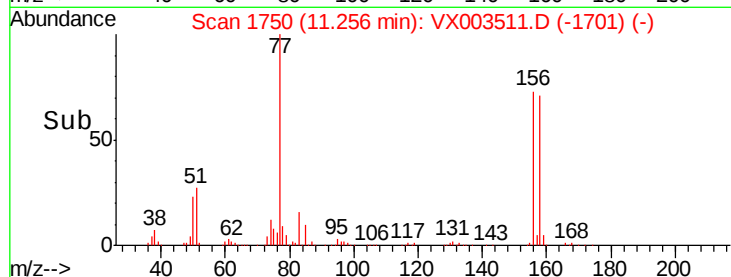
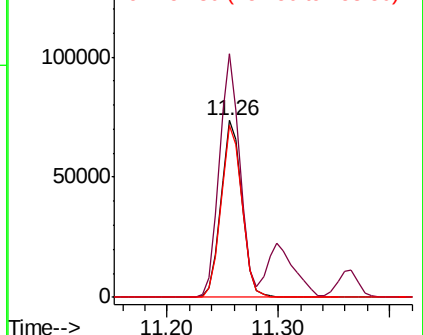
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.584 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.01 min

Lab File: VX003511.D

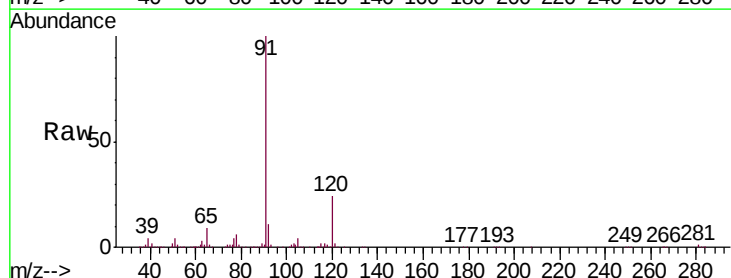
Acq: 20 Jul 2018 16:05

Tgt Ion: 91 Resp: 379066

Ion Ratio Lower Upper

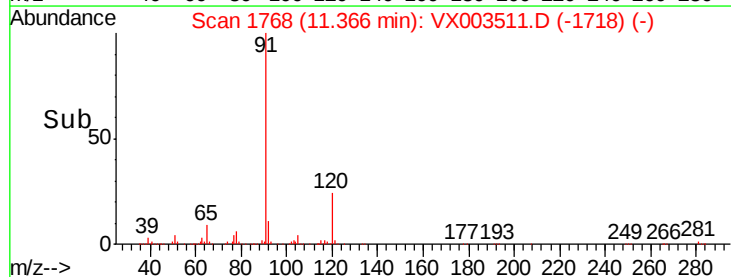
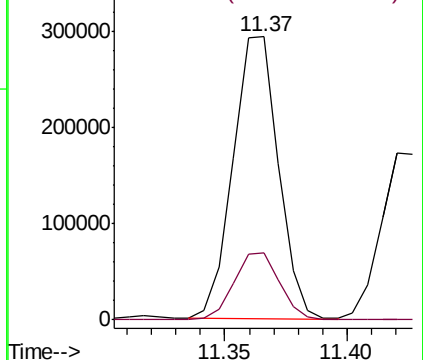
91 100

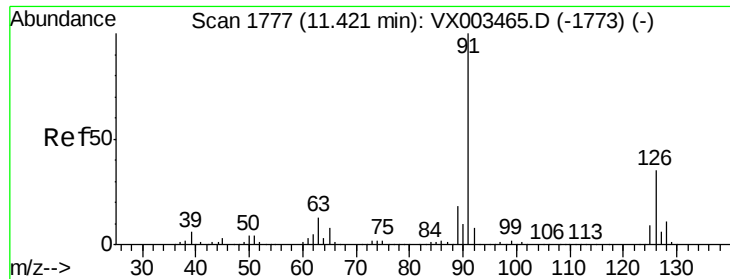
120 24.3 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.530 ug/l

RT: 11.42 min Scan# 1777

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

ClientSampleId :

VX0720WBS02

Tot Ion: 91 Resp: 229517

Ion Ratio Lower Upper

91 100

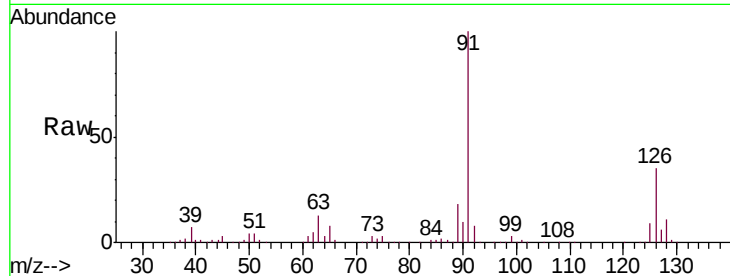
126 36.4 17.7 53.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

300000

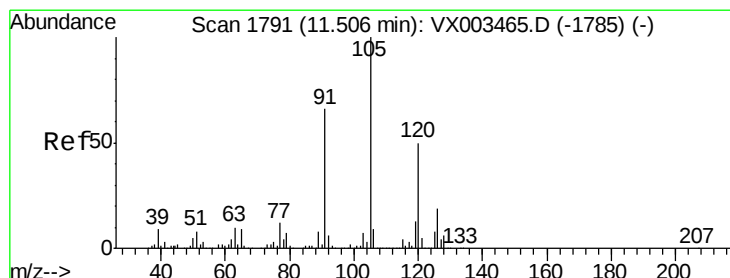
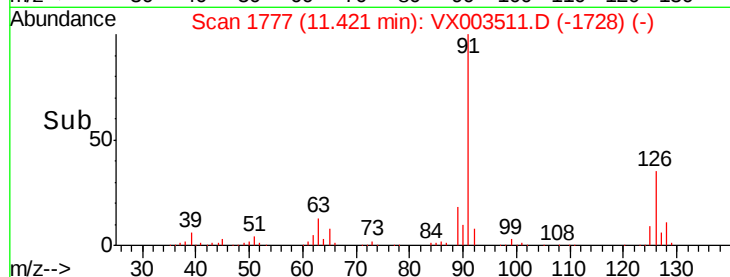
200000

100000

0

11.40 11.42 11.45

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.678 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. 0.01 min

Lab File: VX003511.D

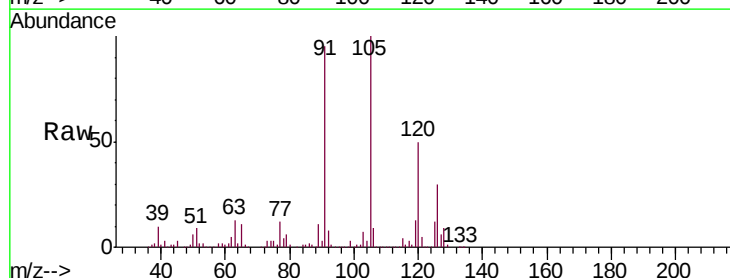
Acq: 20 Jul 2018 16:05

Tgt Ion:105 Resp: 281542

Ion Ratio Lower Upper

105 100

120 50.2 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

250000

200000

150000

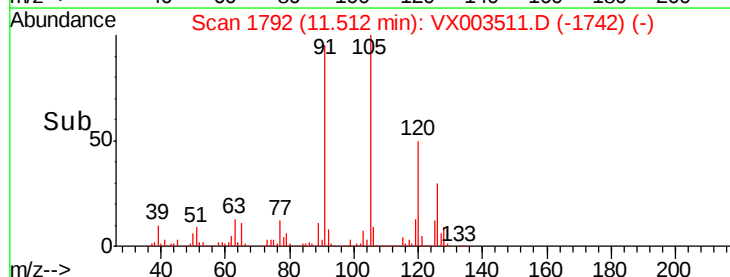
100000

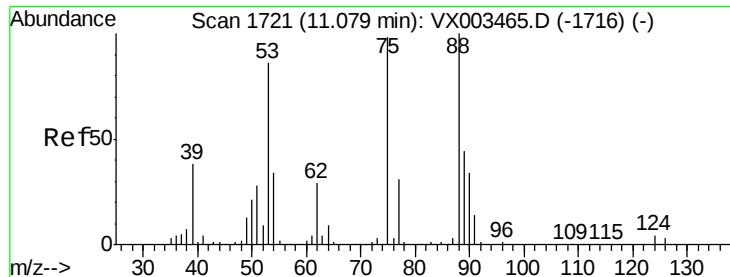
50000

0

11.50 11.51 11.60

Time-->





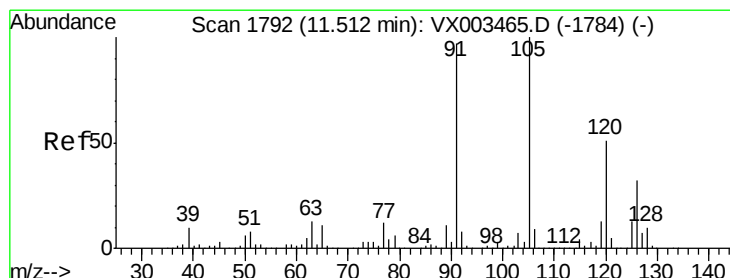
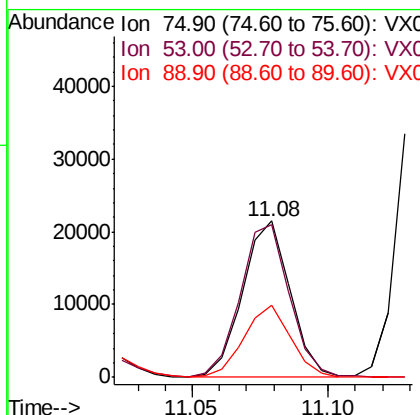
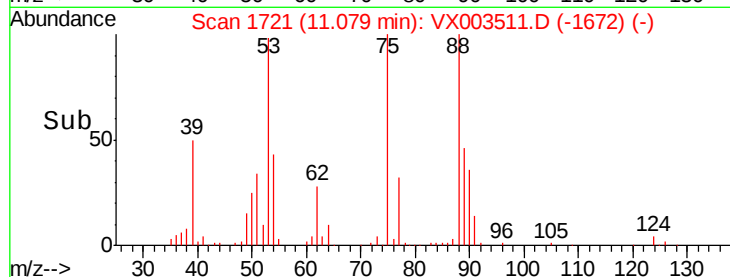
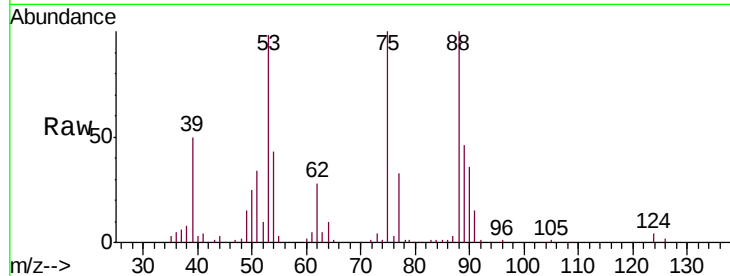
#81
trans-1,4-Dichloro-2-butene
Concen: 18.577 ug/l
RT: 11.08 min Scan# 1721
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.9	86.8	130.2
89	45.8	38.2	57.2

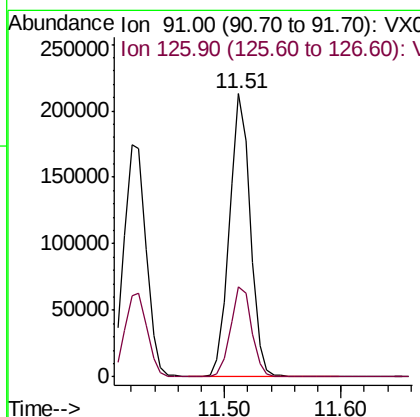
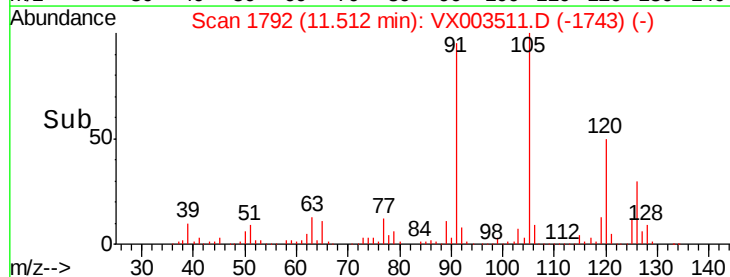
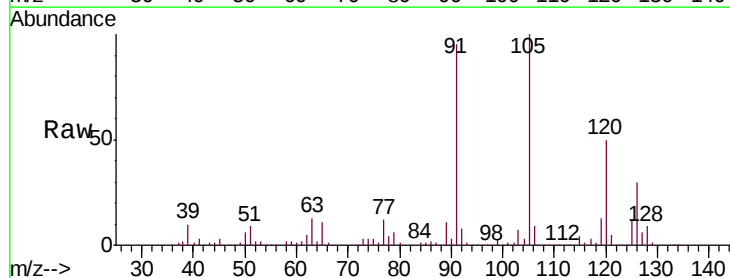
Manual Integrations
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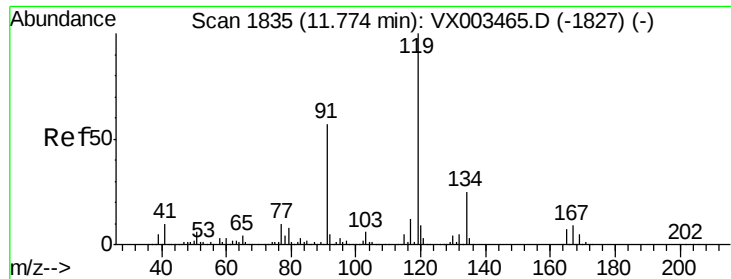
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.258 ug/l
RT: 11.51 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.4	15.4	46.4





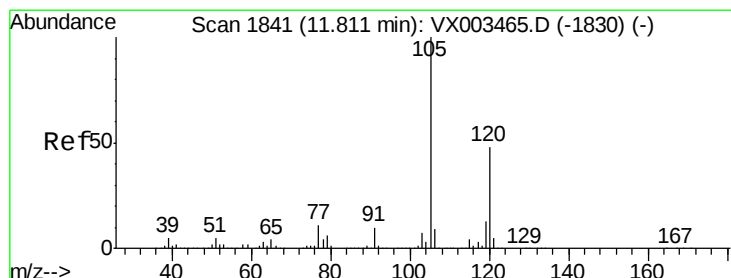
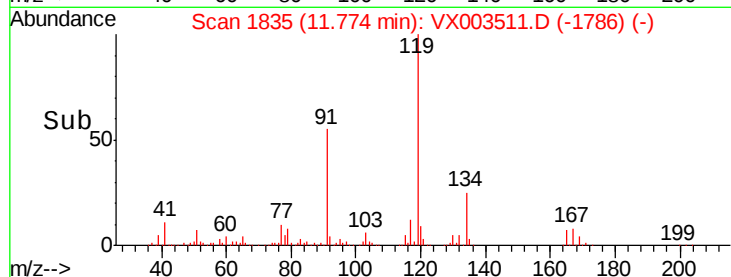
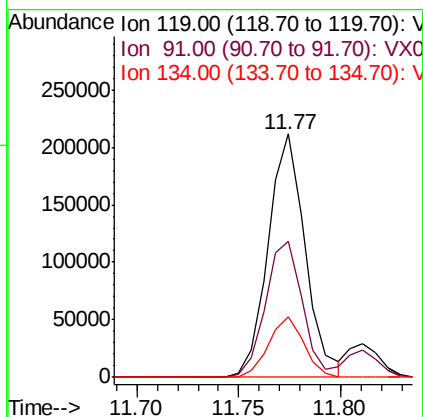
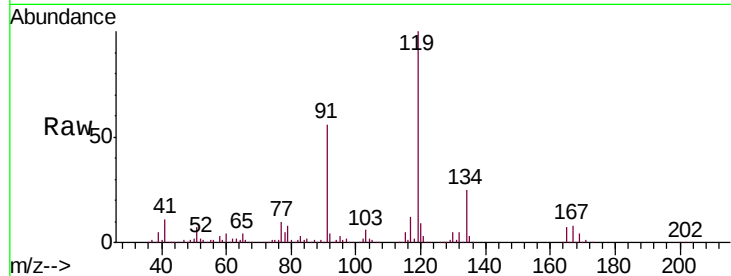
#83
tert-Butylbenzene
Concen: 20.077 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampled :
VX0720WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		267710		
91	55.7	30.3	90.9		
134	24.0	11.7	35.1		

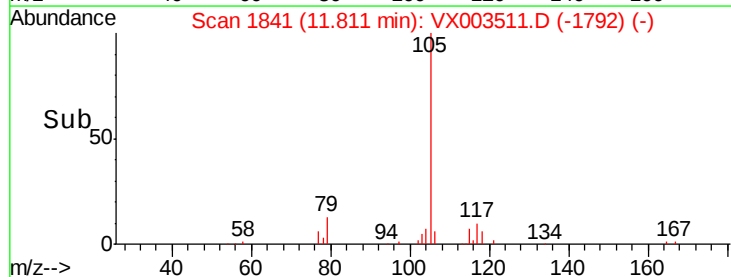
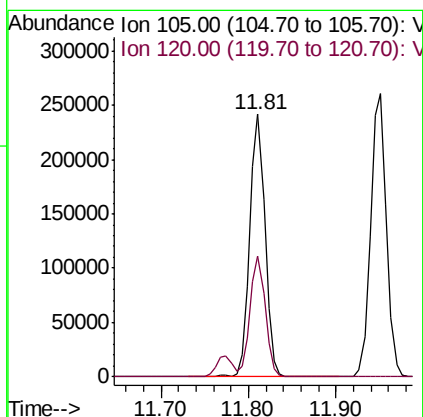
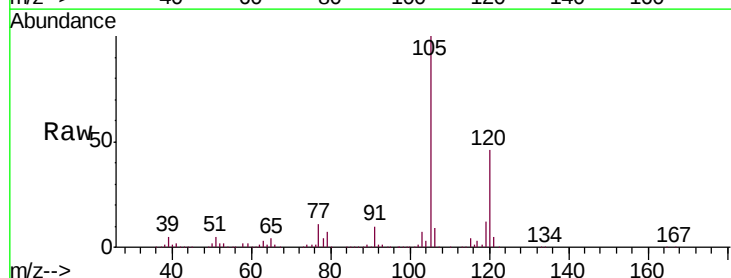
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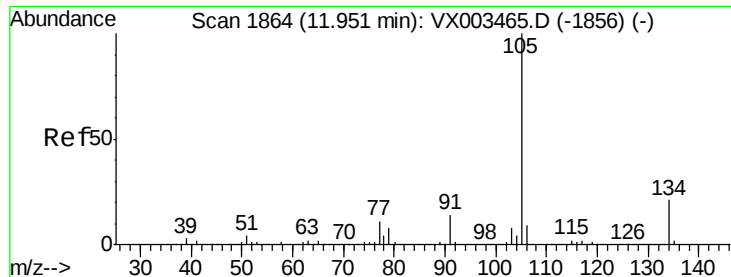
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#84
1,2,4-Trimethylbenzene
Concen: 20.913 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		289737		
120	45.9	22.3	66.8		





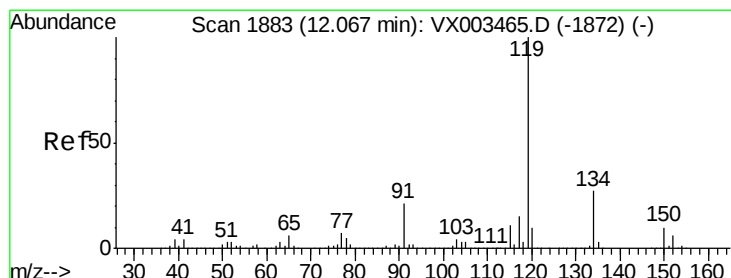
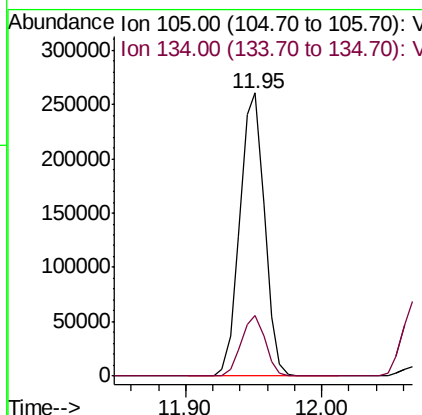
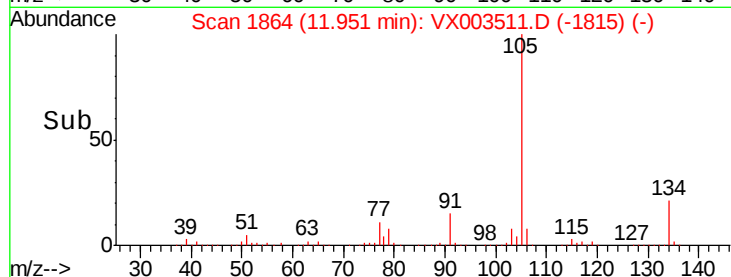
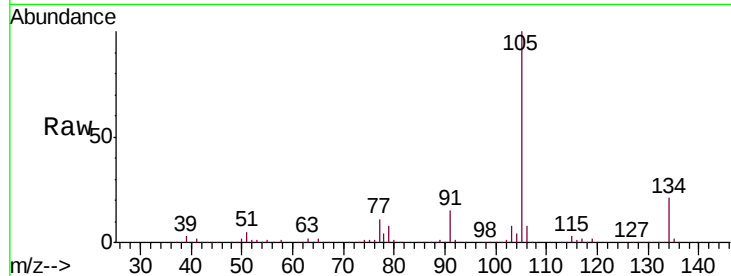
#85
 sec-Butylbenzene
 Concen: 20.338 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.1

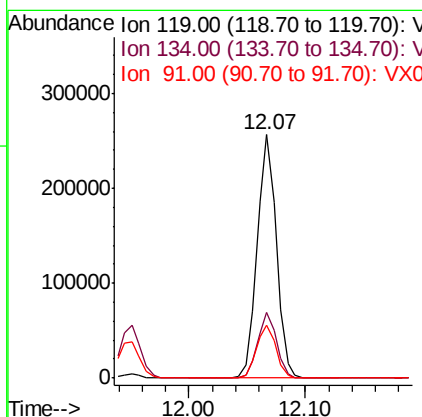
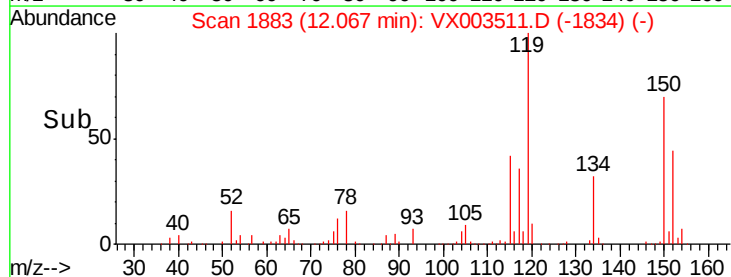
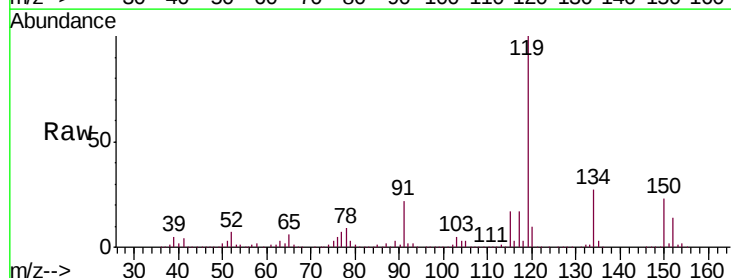
Manual Integrations
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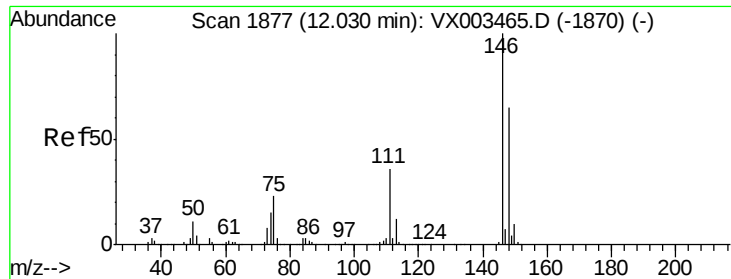
MMDadoda
 7/23/2018 12:34:50 PM



#86
 p-Isopropyltoluene
 Concen: 20.314 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	22.0	11.9	35.7





#87

1,3-Dichlorobenzene

Concen: 19.762 ug/l

RT: 12.03 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Instrument :

MSVOA_X

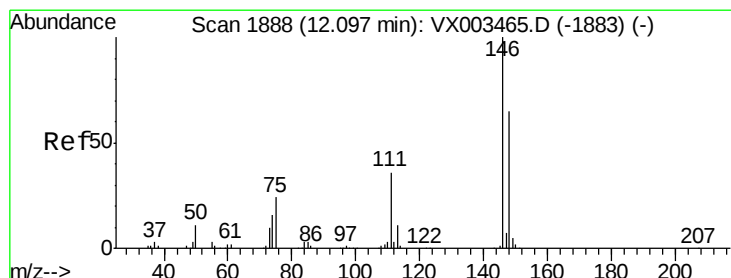
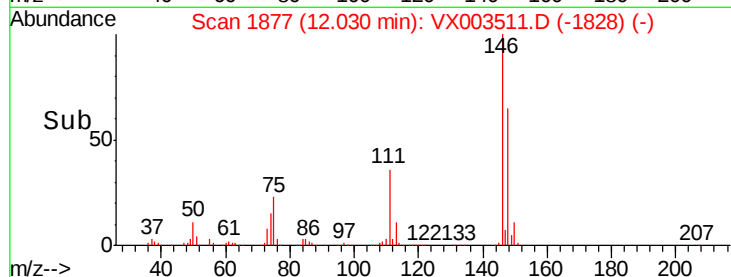
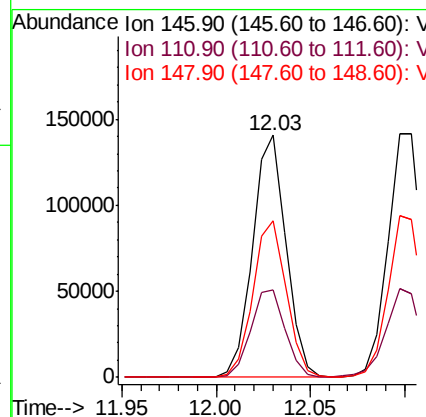
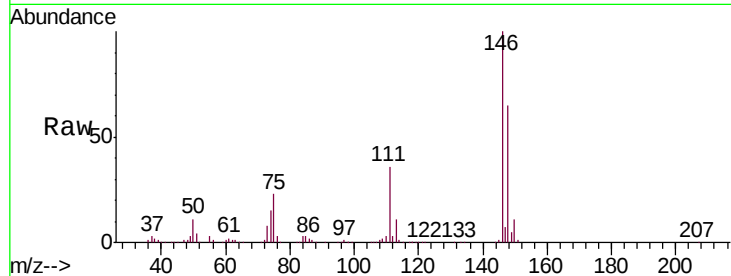
ClientSampleId :

VX0720WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.7
148	64.5	32.1	96.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.269 ug/l

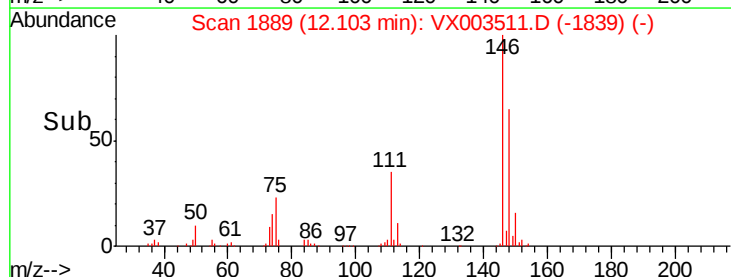
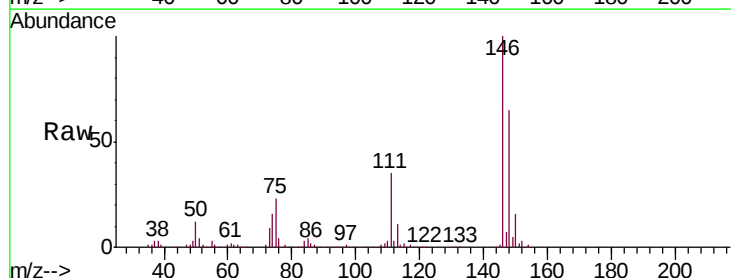
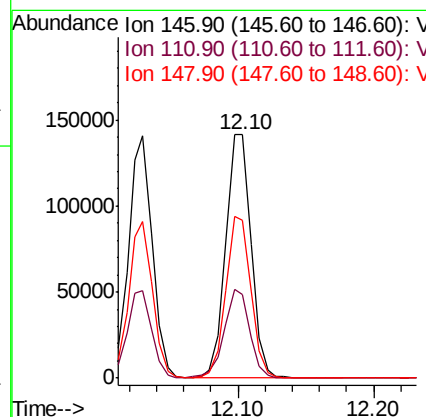
RT: 12.10 min Scan# 1889

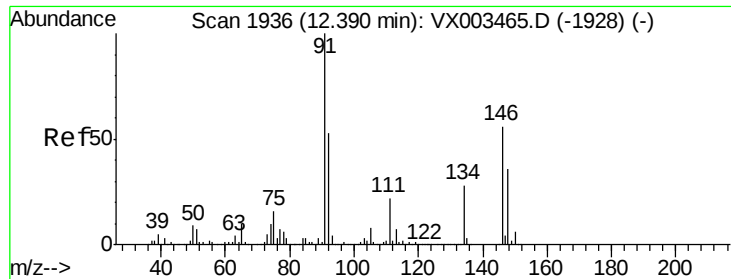
Delta R.T. 0.01 min

Lab File: VX003511.D

Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.3	18.7	56.1
148	65.4	32.4	97.0





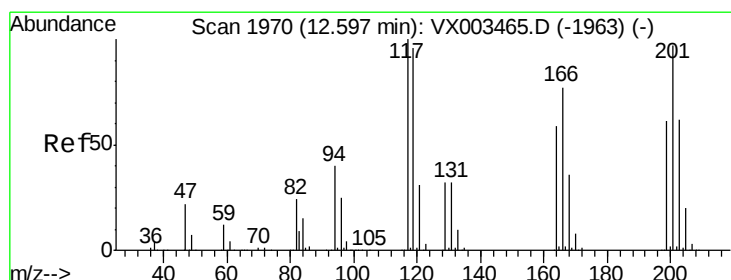
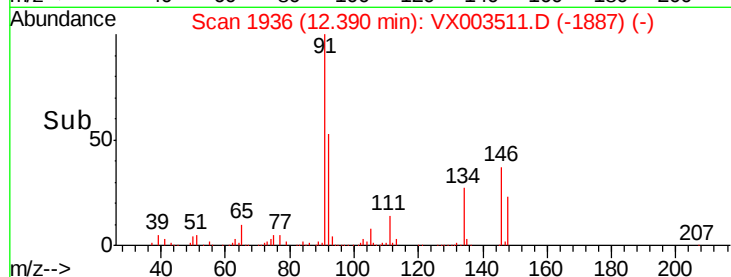
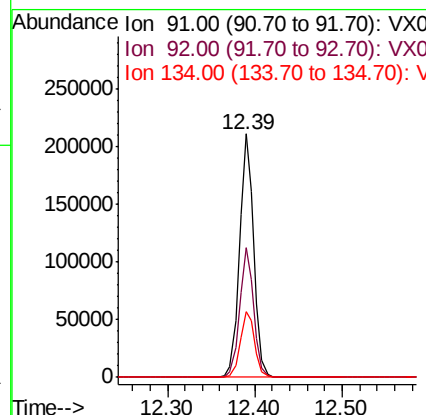
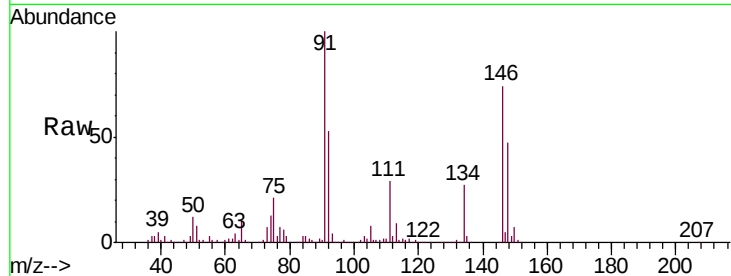
#89
n-Butylbenzene
Concen: 19.467 ug/l
RT: 12.39 min Scan# 1936
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.0	78.0
134	27.4	13.5	40.5

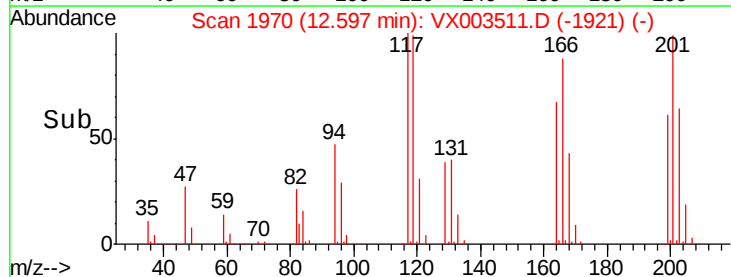
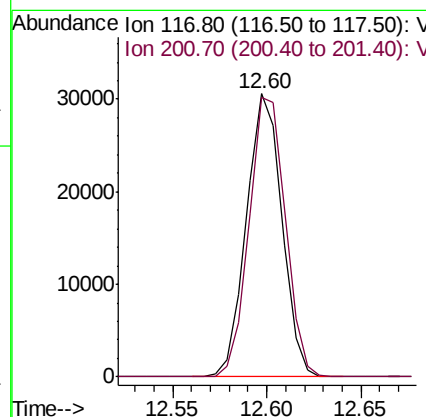
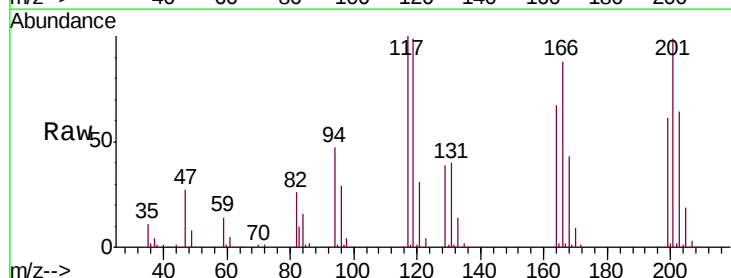
Manual Integrations
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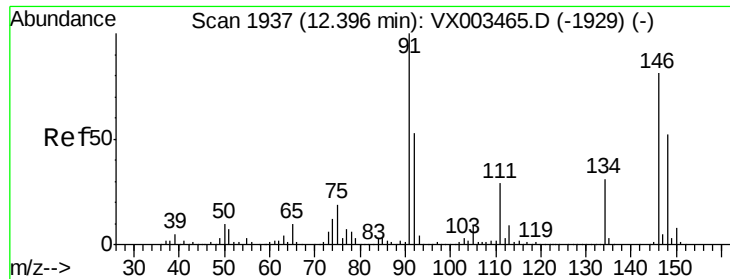
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#90
Hexachloroethane
Concen: 19.332 ug/l
RT: 12.60 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	101.0	49.0	147.0





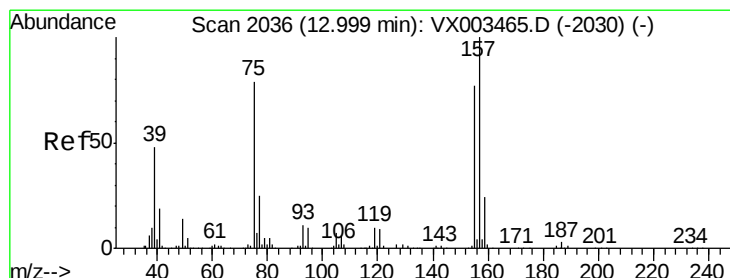
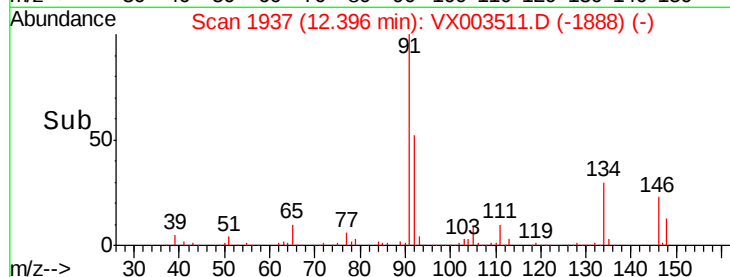
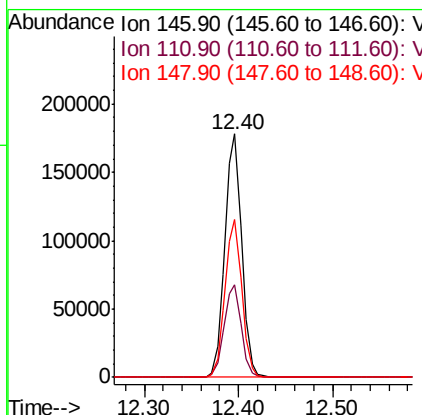
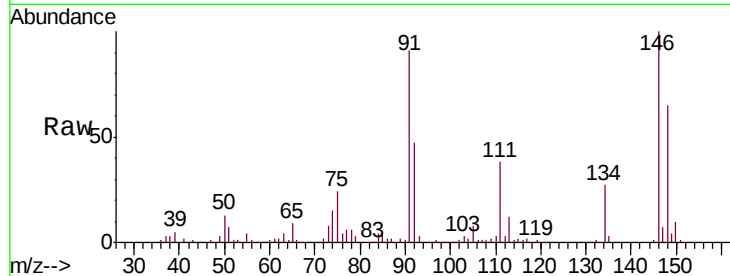
#91
 1,2-Dichlorobenzene
 Concen: 25.636 ug/l
 RT: 12.40 min Scan# 1937
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	64.7	31.7	95.1

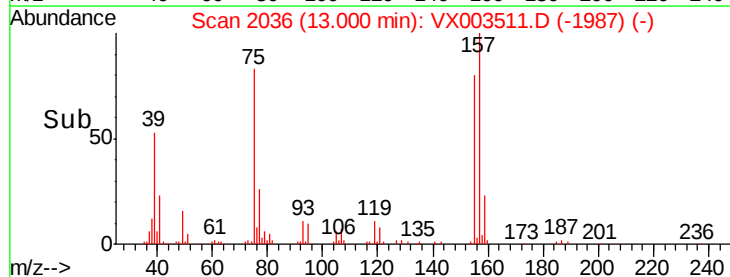
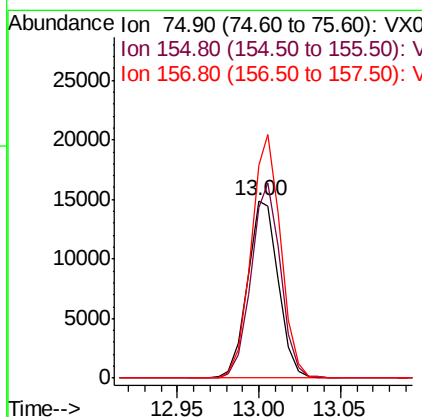
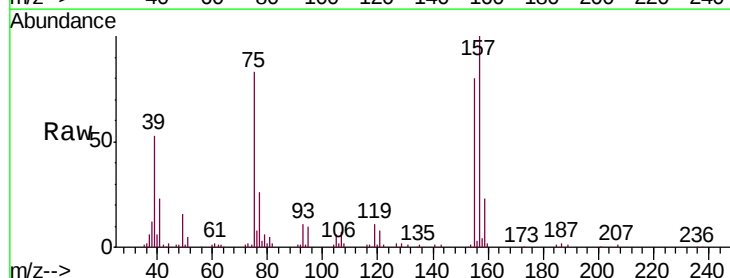
Manual Integrations
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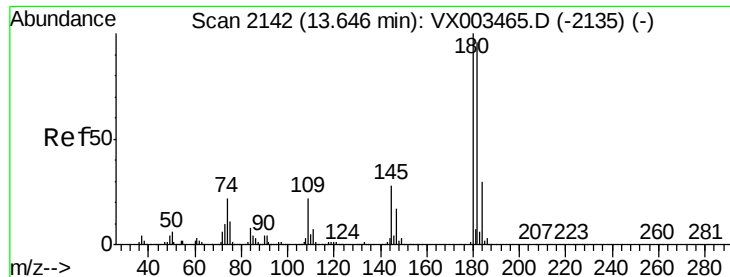
MMDadoda
 7/23/2018 12:34:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.776 ug/l
 RT: 13.00 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.4	45.8	137.4
157	131.2	60.1	180.3





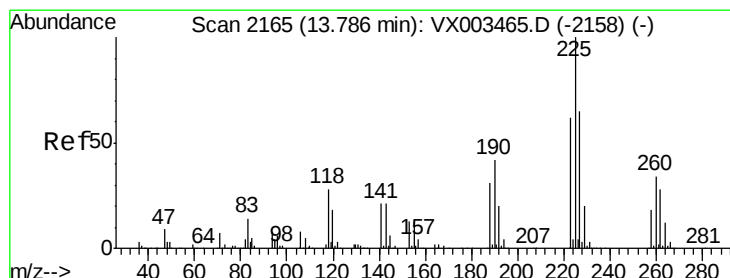
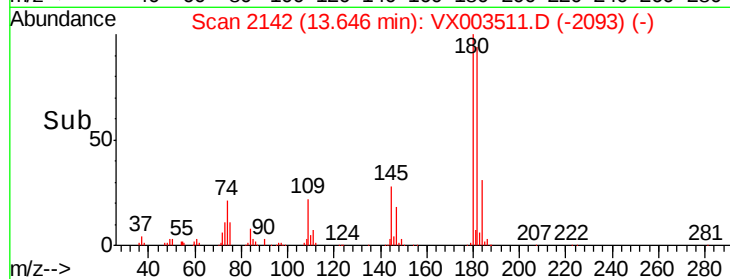
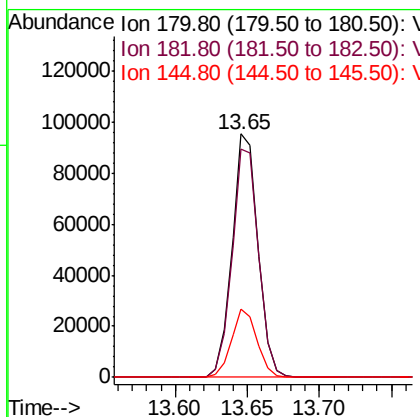
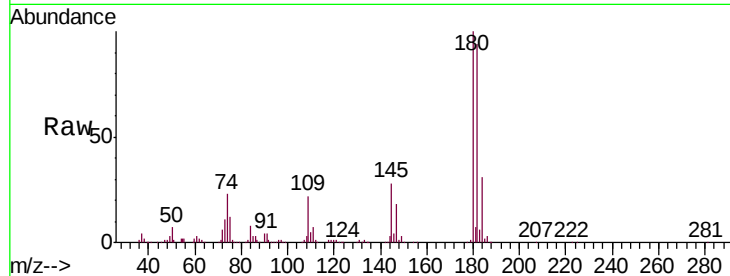
#93
 1,2,4-Trichlorobenzene
 Concen: 18.980 ug/l
 RT: 13.65 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0720WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120083		
182	96.0	47.7	143.1	
145	27.6	14.1	42.4	

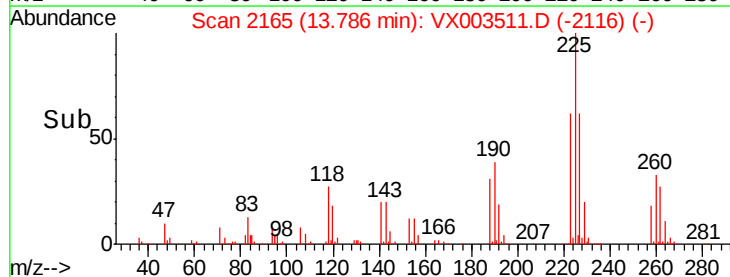
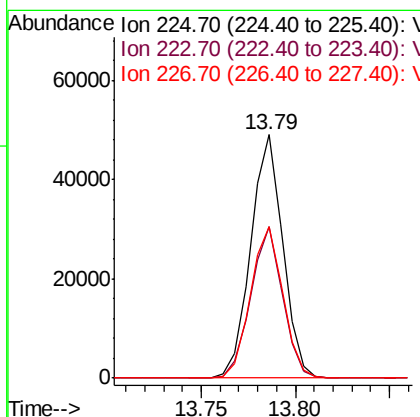
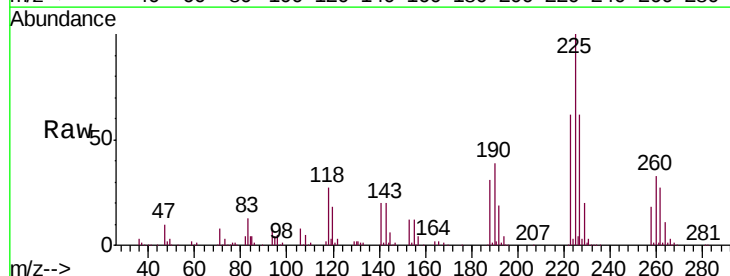
Manual Integrations
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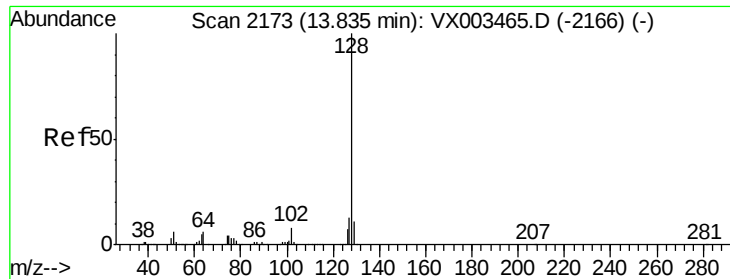
MMDadoda
 7/23/2018 12:34:50 PM



#94
 Hexachlorobutadiene
 Concen: 18.983 ug/l
 RT: 13.79 min Scan# 2165
 Delta R.T. 0.00 min
 Lab File: VX003511.D
 Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57760		
223	61.6	31.6	95.0	
227	62.9	32.4	97.2	





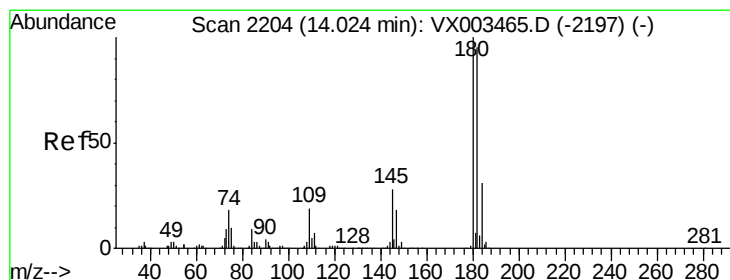
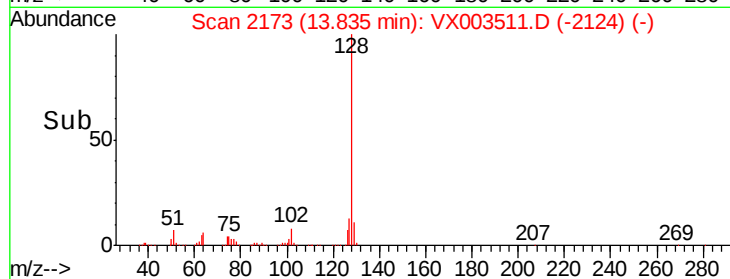
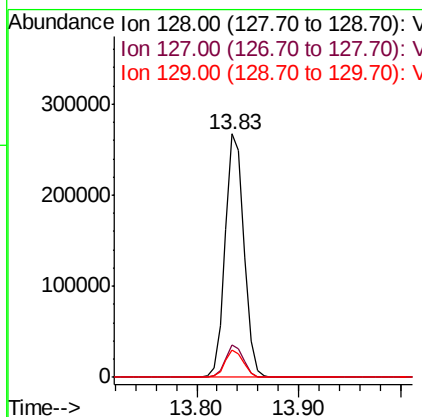
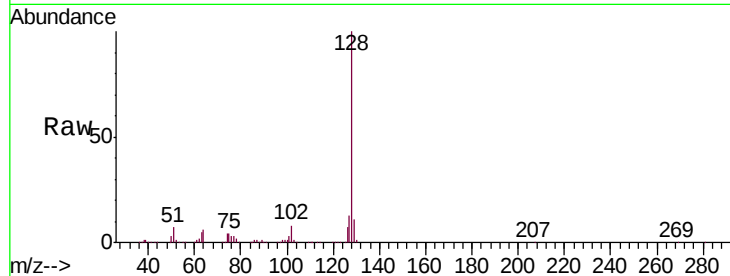
#95
Naphthalene
Concen: 20.419 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Instrument :
MSVOA_X
ClientSampleId :
VX0720WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
7/23/2018 12:34:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.548 ug/l
RT: 14.02 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VX003511.D
Acq: 20 Jul 2018 16:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	48.0	144.0
145	29.3	14.8	44.3

