

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102218\
 Data File : VX005492.D
 Acq On : 23 Oct 2018 01:53
 Operator : JC/MD
 Sample : VX1022WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Manual Integrations
 APPROVED

MMDadoda
 10/23/2018 1:28:09 PM

Quant Time: Oct 23 03:45:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	208975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	297869	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	272624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	150868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	129806	55.97	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	111.94%	
35) Dibromofluoromethane	5.50	113	109135	55.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.64%	
50) Toluene-d8	8.72	98	357969	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	11.14	95	133502	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	31696	19.399	ug/l	99
3) Chloromethane	1.32	50	44647	18.858	ug/l	98
4) Vinyl Chloride	1.40	62	44132	18.401	ug/l	98
5) Bromomethane	1.64	94	29754	22.294	ug/l	99
6) Chloroethane	1.72	64	29088	19.540	ug/l	98
7) Trichlorofluoromethane	1.93	101	67042	20.947	ug/l	99
8) Diethyl Ether	2.19	74	27978	20.471	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	2.39	101	37695	20.406	ug/l	99
10) Methyl Iodide	2.51	142	42830	22.582	ug/l	99
11) Tert butyl alcohol	3.07	59	68862	105.255	ug/l	98
12) 1,1-Dichloroethene	2.37	96	36968	20.198	ug/l	91
13) Acrolein	2.29	56	27311	63.807	ug/l	96
14) Allyl chloride	2.73	41	79479	19.779	ug/l	94
15) Acrylonitrile	3.15	53	159272	107.431	ug/l	99
16) Acetone	2.45	43	143226	106.806	ug/l	89
17) Carbon Disulfide	2.57	76	92548	16.692	ug/l #	94
18) Methyl Acetate	2.78	43	93249	24.442	ug/l	93
19) Methyl tert-butyl Ether	3.20	73	141188	21.903	ug/l	93
20) Methylene Chloride	2.85	84	41614	20.526	ug/l	88
21) trans-1,2-Dichloroethene	3.17	96	39024	19.239	ug/l #	82
22) Diisopropyl ether	3.87	45	143616	21.278	ug/l #	76
23) Vinyl Acetate	3.82	43	633382	107.367	ug/l #	91
24) 1,1-Dichloroethane	3.69	63	82593	21.352	ug/l	98
25) 2-Butanone	4.71	43	216307	110.247	ug/l	94
26) 2,2-Dichloropropane	4.58	77	45924	15.874	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	43091	19.548	ug/l	94
28) Bromochloromethane	5.02	49	42766	24.252	ug/l	90
29) Tetrahydrofuran	5.16	42	139807	111.709	ug/l	90
30) Chloroform	5.23	83	77173	21.494	ug/l #	83
31) Cyclohexane	5.57	56	61966	19.436	ug/l #	73
32) 1,1,1-Trichloroethane	5.49	97	64252	20.567	ug/l	98
36) 1,1-Dichloropropene	5.80	75	52748	18.285	ug/l	98
37) Ethyl Acetate	4.86	43	76033	20.494	ug/l	98
38) Carbon Tetrachloride	5.78	117	54539	18.815	ug/l	98

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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	51910	16.626	ug/l	93
40) Benzene	6.15	78	168445	19.465	ug/l	96
41) Methacrylonitrile	5.06	41	42154	21.194	ug/l	98
42) 1,2-Dichloroethane	6.20	62	63320	20.722	ug/l	96
43) Isopropyl Acetate	6.46	43	109930	22.244	ug/l	96
44) Trichloroethene	7.21	130	42506	18.849	ug/l	91
45) 1,2-Dichloropropane	7.52	63	42761	20.144	ug/l	98
46) Dibromomethane	7.66	93	27204	19.417	ug/l	99
47) Bromodichloromethane	7.90	83	53292	20.564	ug/l	100
48) Methyl methacrylate	7.77	41	53216	20.762	ug/l	94
49) 1,4-Dioxane	7.75	88	24069	407.124	ug/l	94
51) 4-Methyl-2-Pentanone	8.65	43	381830	111.583	ug/l	93
52) Toluene	8.79	92	96370	20.355	ug/l	96
53) t-1,3-Dichloropropene	9.04	75	54405	19.398	ug/l	99
54) cis-1,3-Dichloropropene	8.43	75	59396	19.545	ug/l	94
55) 1,1,2-Trichloroethane	9.21	97	41499	20.694	ug/l	98
56) Ethyl methacrylate	9.18	69	59814	20.461	ug/l	93
57) 1,3-Dichloropropane	9.37	76	68579	20.489	ug/l	98
58) 2-Chloroethyl Vinyl ether	8.32	63	179782	109.658	ug/l	94
59) 2-Hexanone	9.49	43	297078	107.925	ug/l	92
60) Dibromochloromethane	9.59	129	42263	20.389	ug/l	100
61) 1,2-Dibromoethane	9.67	107	42720	20.299	ug/l	99
64) Tetrachloroethene	9.34	164	44625	20.332	ug/l	97
65) Chlorobenzene	10.14	112	109946	18.959	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.23	131	40768	19.728	ug/l	99
67) Ethyl Benzene	10.25	91	180061	19.100	ug/l	96
68) m/p-Xylenes	10.36	106	138792	37.931	ug/l	92
69) o-Xylene	10.70	106	66401	18.816	ug/l	94
70) Styrene	10.71	104	113898	19.623	ug/l	97
71) Bromoform	10.86	173	34711	18.796	ug/l #	99
73) Isopropylbenzene	11.02	105	186702	20.817	ug/l	99
74) N-amyl acetate	10.90	43	88483	20.455	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.27	83	68078	20.122	ug/l	99
76) 1,2,3-Trichloropropane	11.30	75	64211m	21.942	ug/l	
77) Bromobenzene	11.26	156	50962	19.873	ug/l	97
78) n-propylbenzene	11.36	91	213638	20.700	ug/l	98
79) 2-Chlorotoluene	11.42	91	130042	20.574	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	157341	20.486	ug/l	96
81) trans-1,4-Dichloro-2-buten	11.07	75	17117	17.773	ug/l	96
82) 4-Chlorotoluene	11.51	91	153650	20.507	ug/l	99
83) tert-Butylbenzene	11.77	119	153472	19.733	ug/l	96
84) 1,2,4-Trimethylbenzene	11.81	105	164540	20.818	ug/l	96
85) sec-Butylbenzene	11.94	105	187135	20.332	ug/l	98
86) p-Isopropyltoluene	12.07	119	167265	20.107	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	92939	19.395	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	94480	19.273	ug/l	97
89) n-Butylbenzene	12.39	91	143148	18.952	ug/l	96
90) Hexachloroethane	12.60	117	25561	17.829	ug/l	98
91) 1,2-Dichlorobenzene	12.39	146	95606	19.551	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.00	75	16529	20.029	ug/l	94

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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)
93) 1,2,4-Trichlorobenzene	13.65	180	68075	18.975	ug/l	99
94) Hexachlorobutadiene	13.79	225	34278	18.091	ug/l	97
95) Naphthalene	13.83	128	212422	20.416	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	71244	19.408	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion:168 Resp: 208975

Ion Ratio Lower Upper

168 100

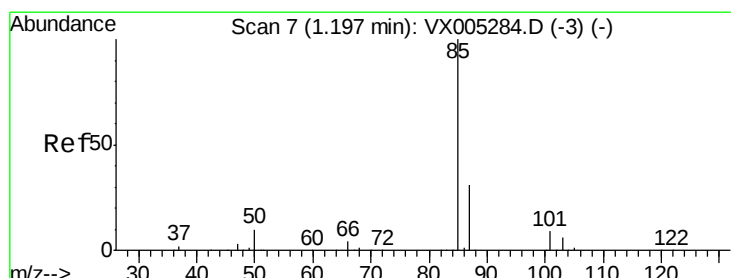
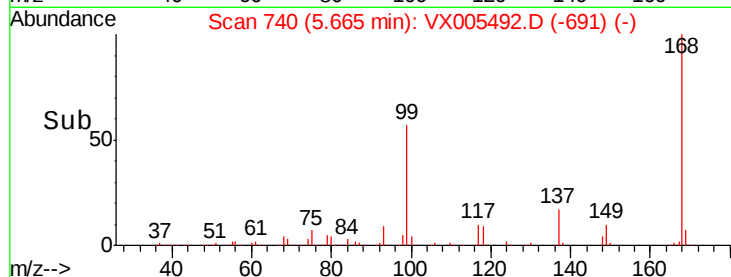
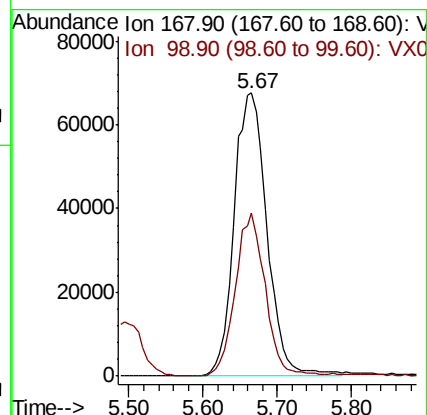
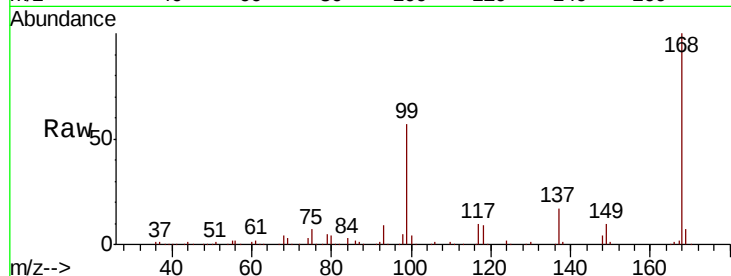
99 57.5 39.9 59.9

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 19.399 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX005492.D

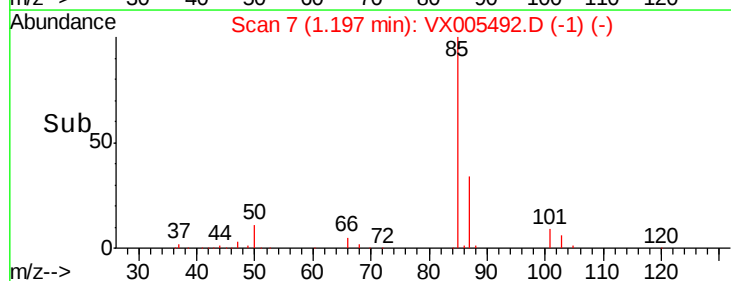
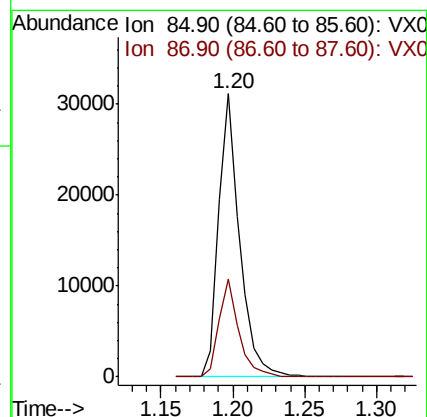
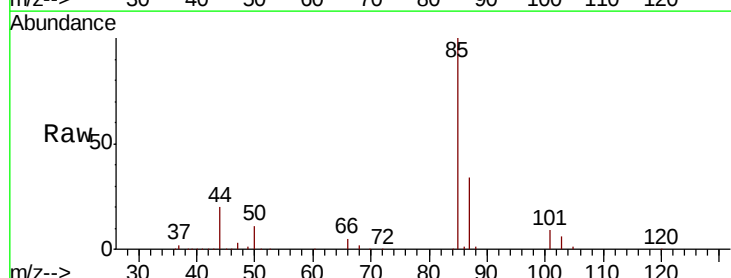
Acq: 23 Oct 2018 01:53

Tgt Ion: 85 Resp: 31696

Ion Ratio Lower Upper

85 100

87 34.5 17.0 50.9





#3

Chloromethane

Concen: 18.858 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 50 Resp: 44647

Ion Ratio Lower Upper

50 100

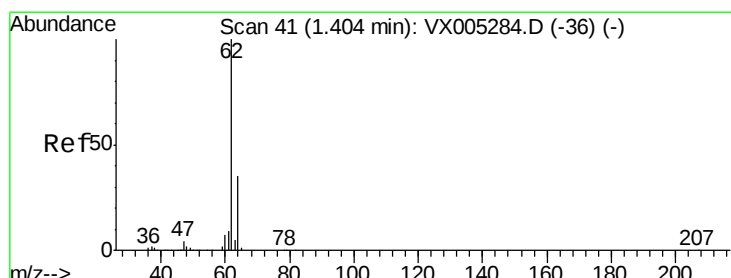
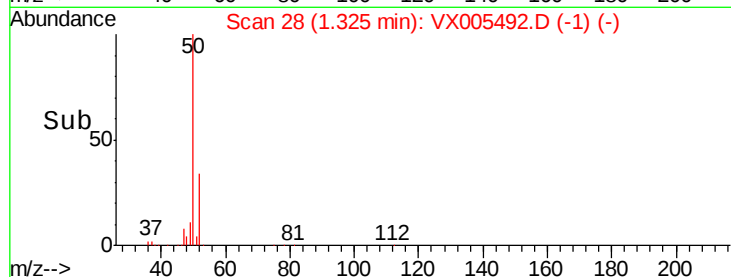
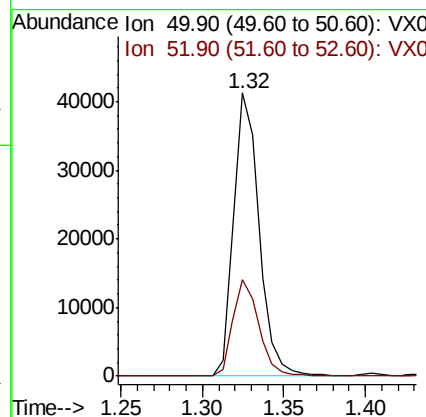
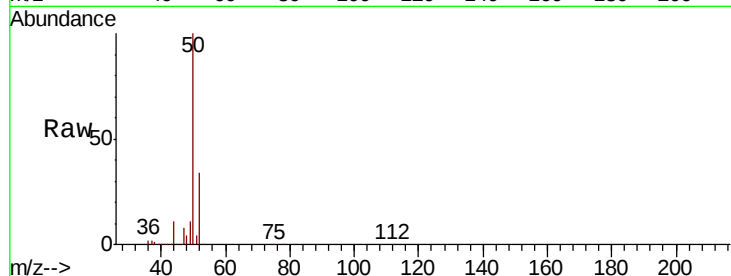
52 34.1 26.2 39.2

Manual Integrations

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10/23/2018 1:28:09 PM



#4

Vinyl Chloride

Concen: 18.401 ug/l

RT: 1.40 min Scan# 41

Delta R.T. 0.00 min

Lab File: VX005492.D

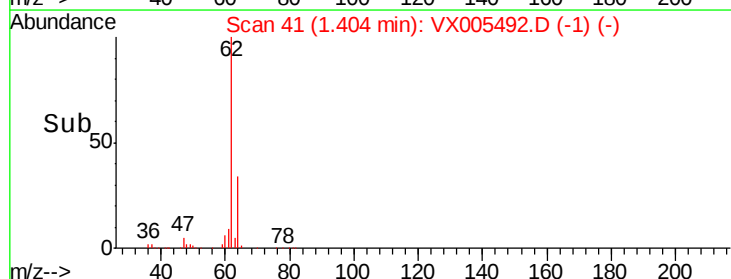
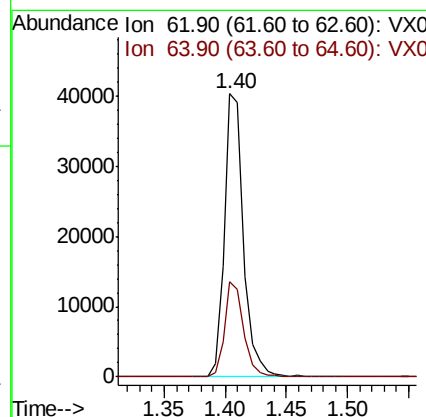
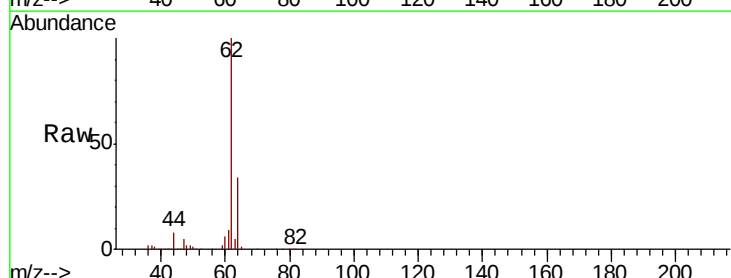
Acq: 23 Oct 2018 01:53

Tgt Ion: 62 Resp: 44132

Ion Ratio Lower Upper

62 100

64 33.7 25.8 38.8





#5

Bromomethane

Concen: 22.294 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 94 Resp: 29754

Ion Ratio Lower Upper

94 100

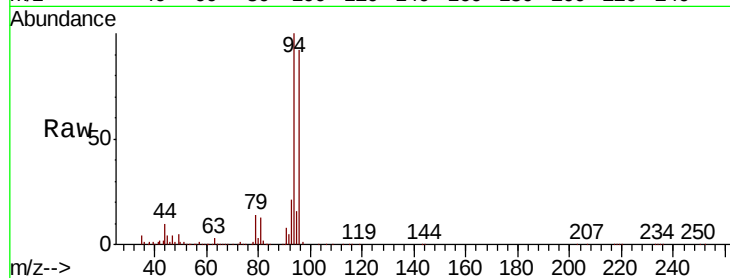
96 92.0 74.5 111.7

Manual Integrations

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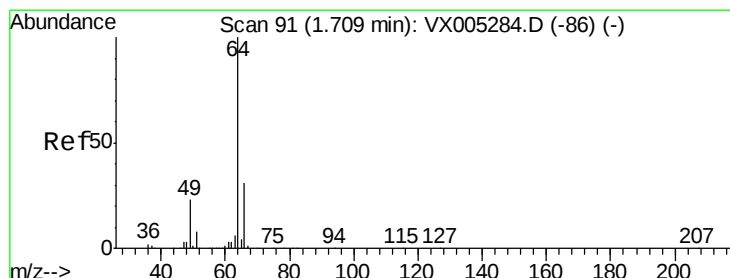
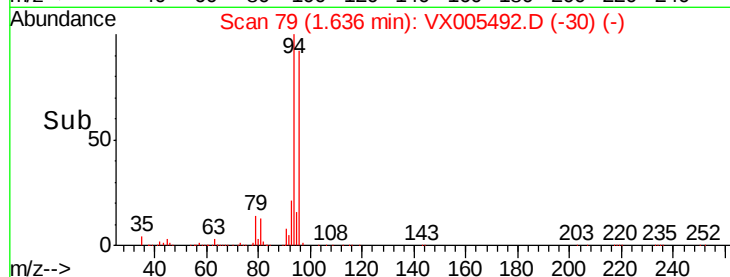
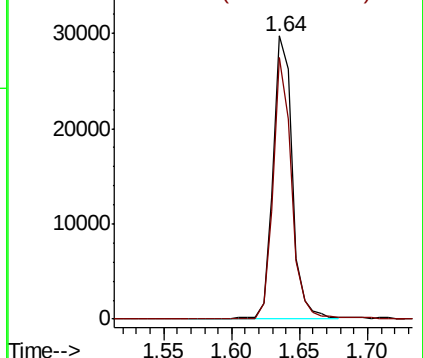
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 19.540 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005492.D

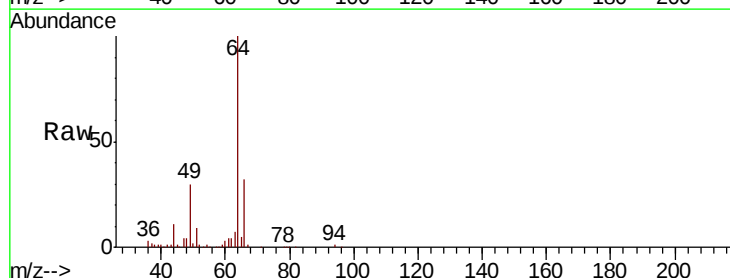
Acq: 23 Oct 2018 01:53

Tgt Ion: 64 Resp: 29088

Ion Ratio Lower Upper

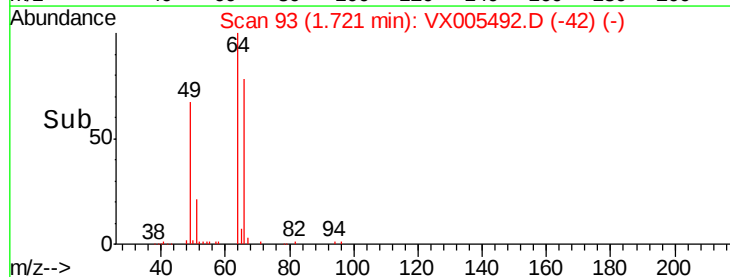
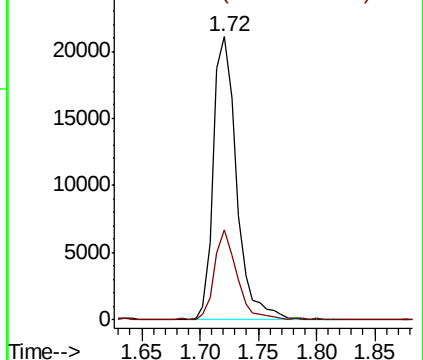
64 100

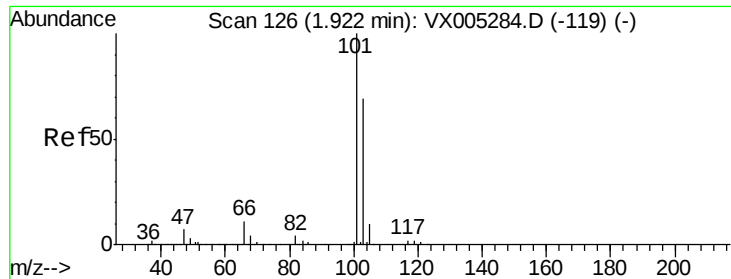
66 31.7 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

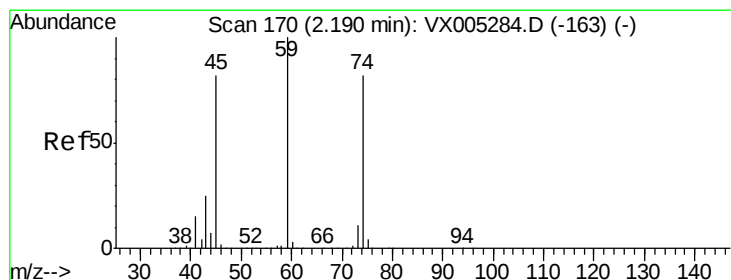
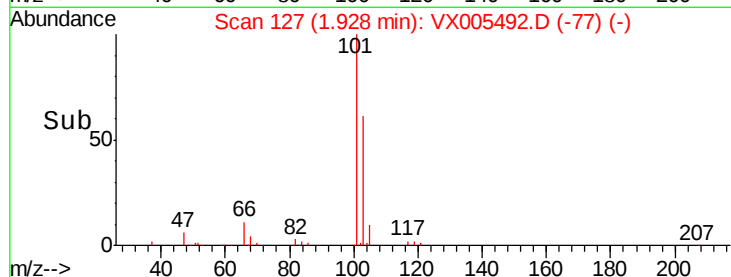
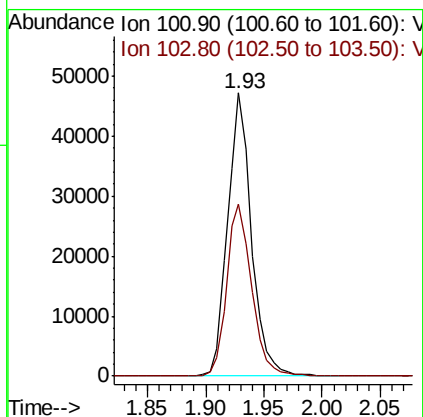
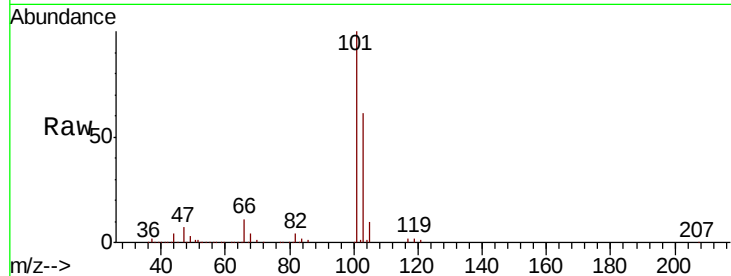
Trichlorofluoromethane
 Concen: 20.947 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.6	48.9	73.3

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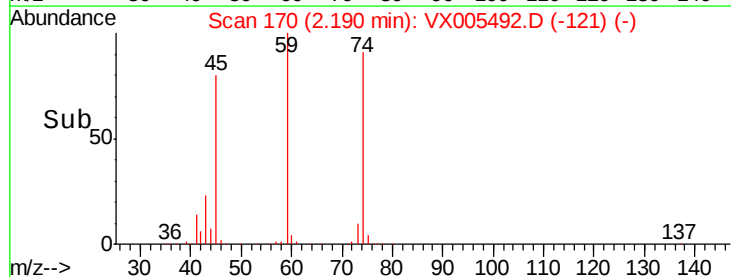
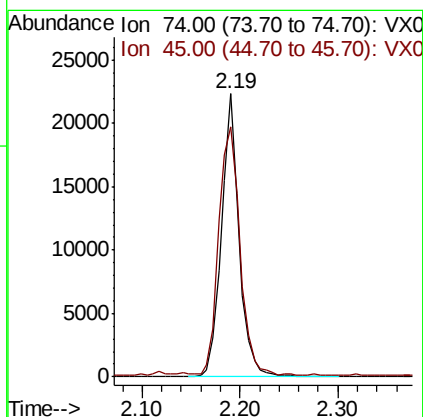
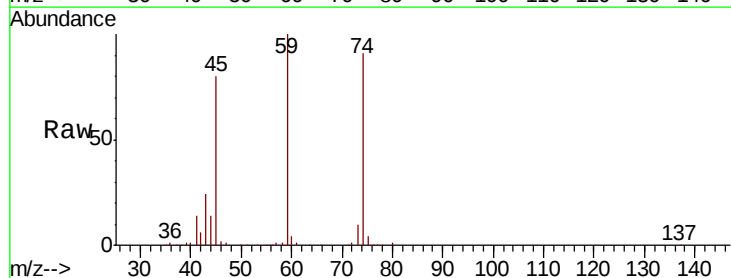
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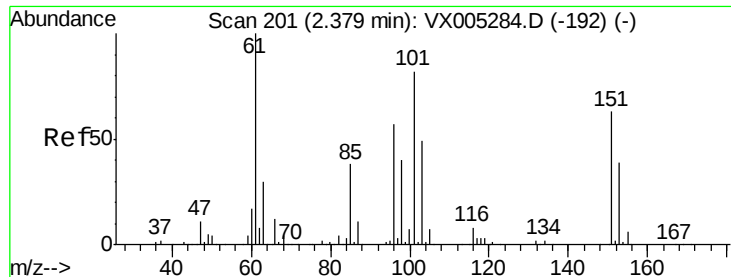


#8

Diethyl Ether
 Concen: 20.471 ug/l
 RT: 2.19 min Scan# 170
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.4	48.3	144.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.406 ug/l

RT: 2.39 min Scan# 202

Delta R.T. 0.01 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

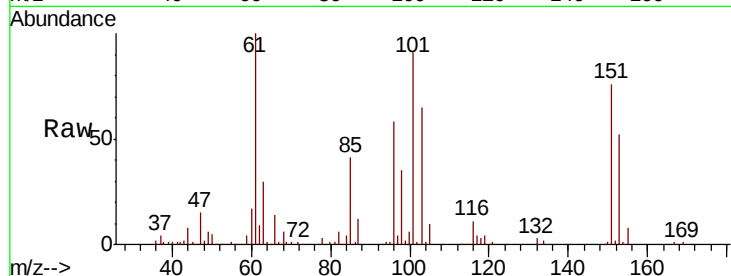
ClientSampleId :

VX1022WBS02

Tot Ion:	101	Resp:	37695
Ion Ratio	Lower	Upper	
101	100		
85	45.1	34.2	51.4
151	81.1	65.0	97.6

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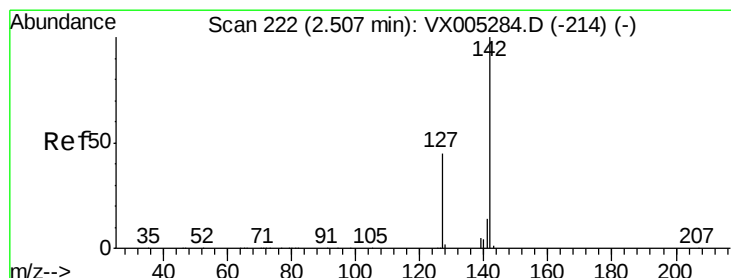
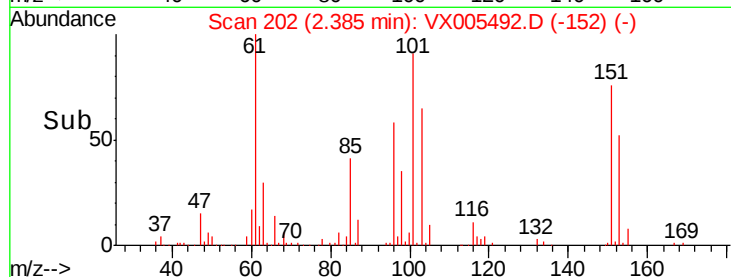
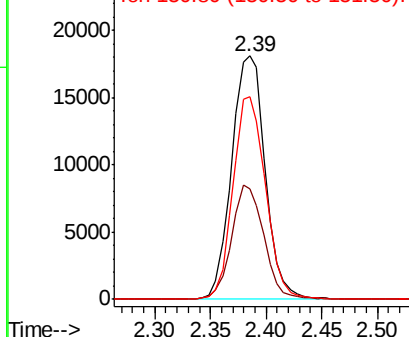


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.582 ug/l

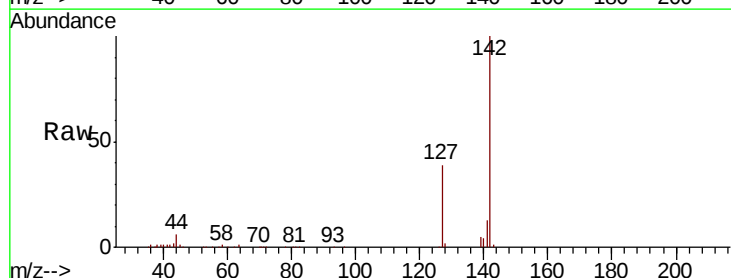
RT: 2.51 min Scan# 223

Delta R.T. 0.01 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Tgt Ion:	142	Resp:	42830
Ion Ratio	Lower	Upper	
142	100		
127	43.4	33.8	50.6
141	14.3	11.4	17.0

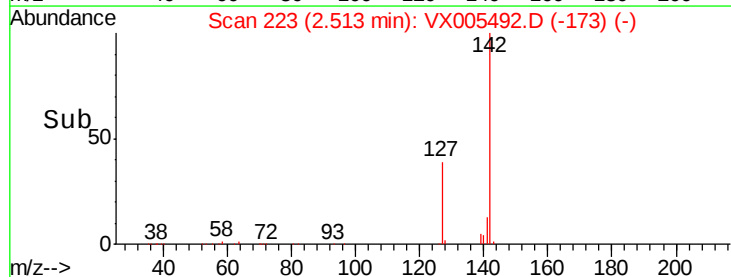
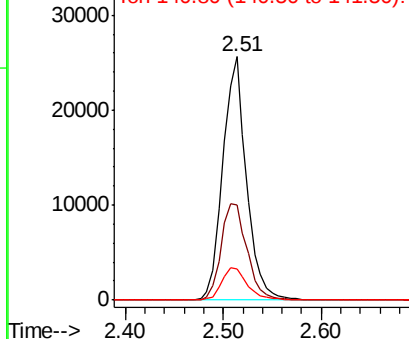


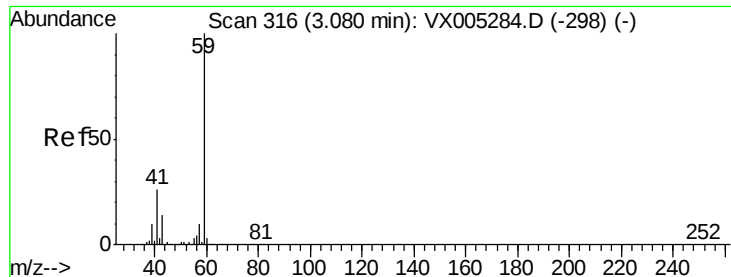
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

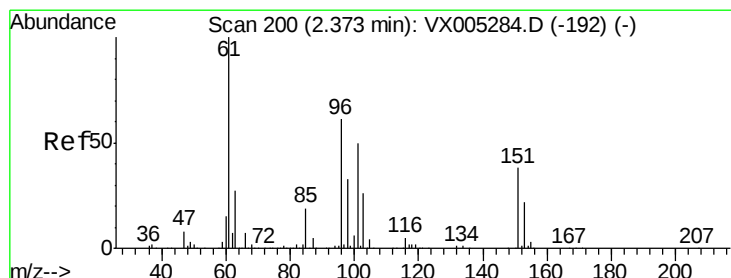
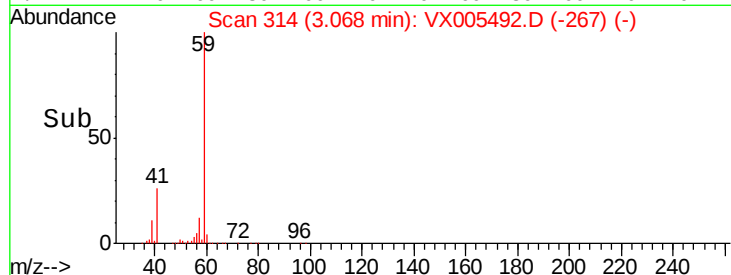
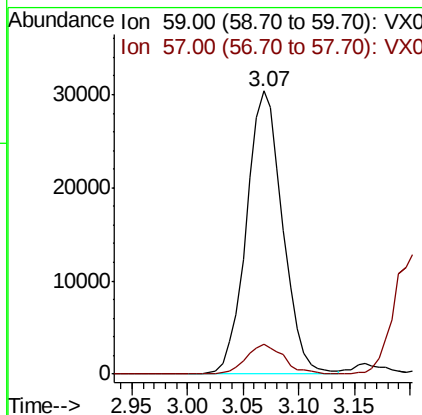
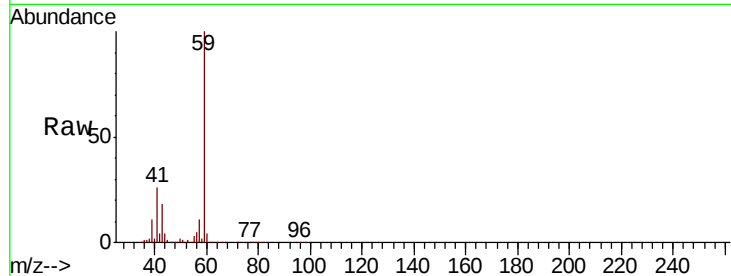
Tert butyl alcohol
Concen: 105.255 ug/l
RT: 3.07 min Scan# 314
Delta R.T. -0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.4

Manual Integrations
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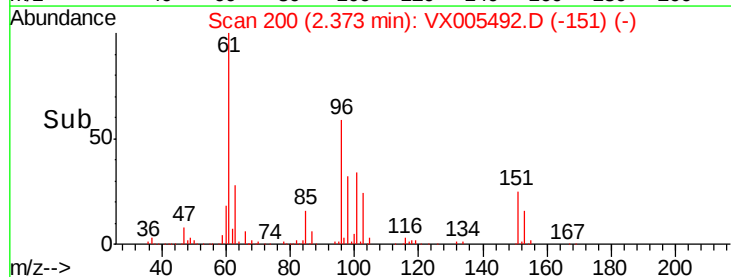
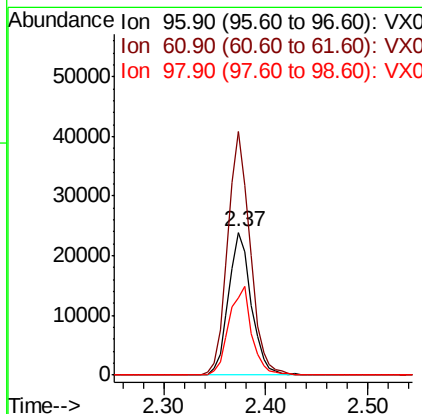
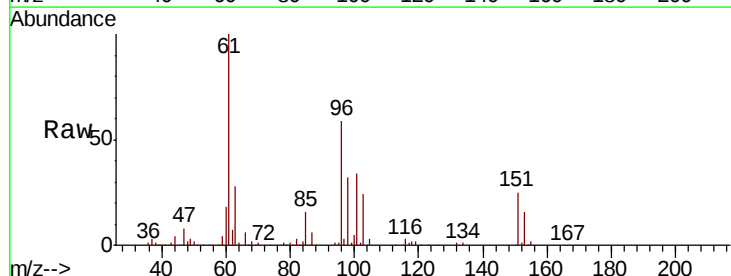
MMDadoda
10/23/2018 1:28:09 PM

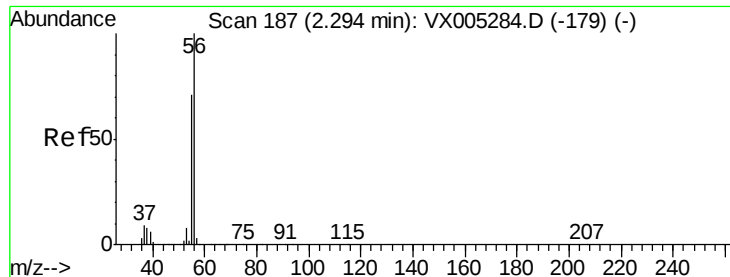


#12

1,1-Dichloroethene
Concen: 20.198 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.5	128.8	193.2
98	54.5	52.2	78.2





#13

Acrolein

Concen: 63.807 ug/l

RT: 2.29 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 56 Resp: 27311

Ion Ratio Lower Upper

56 100

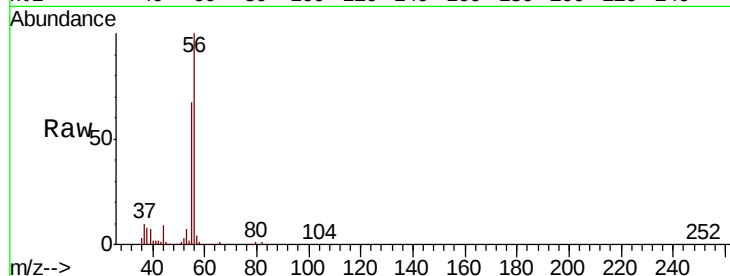
55 71.8 54.7 82.1

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

20000

15000

10000

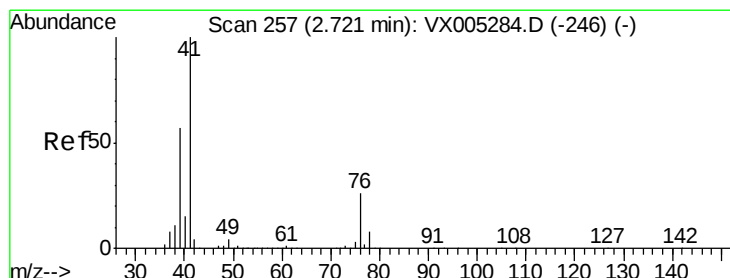
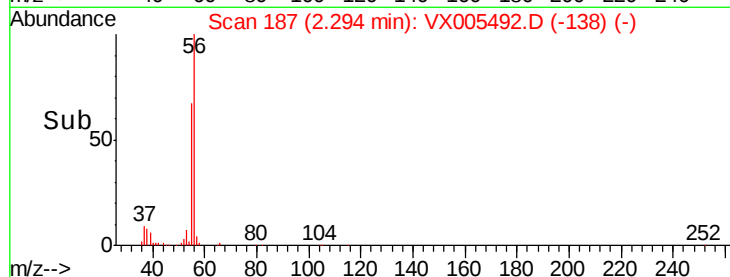
5000

0

2.29

2.20 2.25 2.30 2.35 2.40

Time-->



#14

Allyl chloride

Concen: 19.779 ug/l

RT: 2.73 min Scan# 258

Delta R.T. 0.01 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

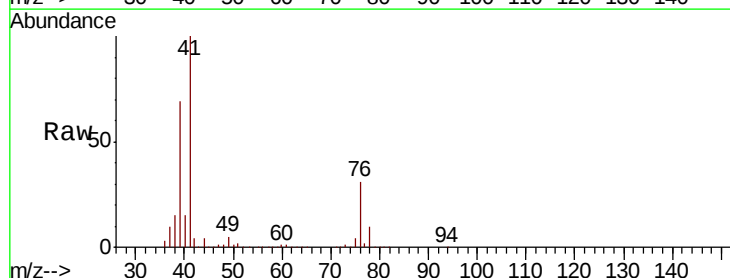
Tgt Ion: 41 Resp: 79479

Ion Ratio Lower Upper

41 100

39 58.3 48.9 73.3

76 27.1 26.7 40.1



Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0

60000

40000

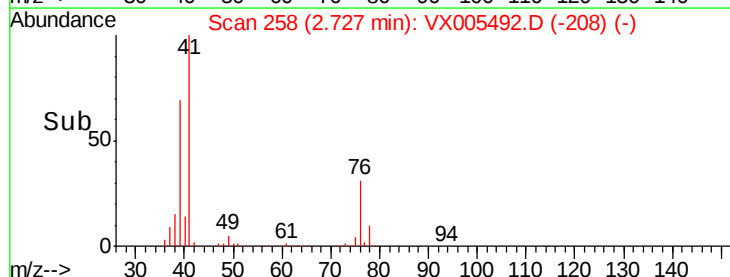
20000

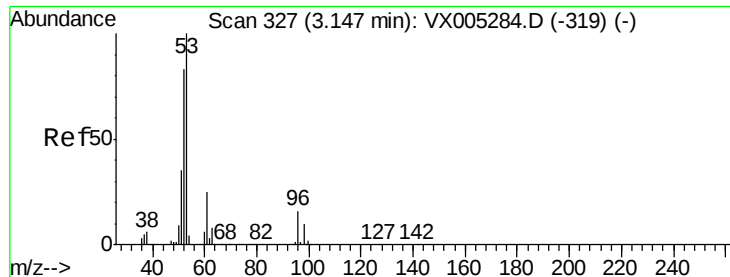
0

2.73

2.60 2.70 2.80

Time-->





#15

Acrylonitrile

Concen: 107.431 ug/l

RT: 3.15 min Scan# 328

Delta R.T. 0.01 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

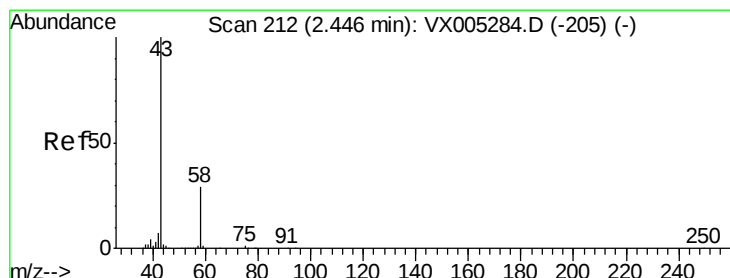
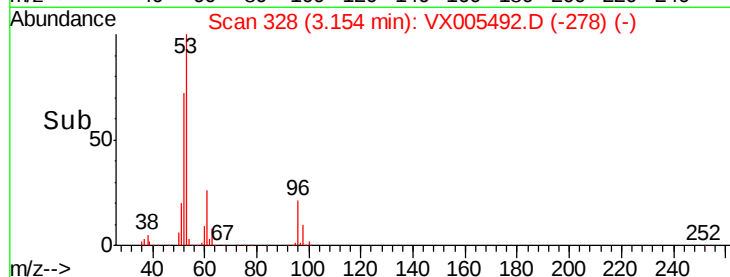
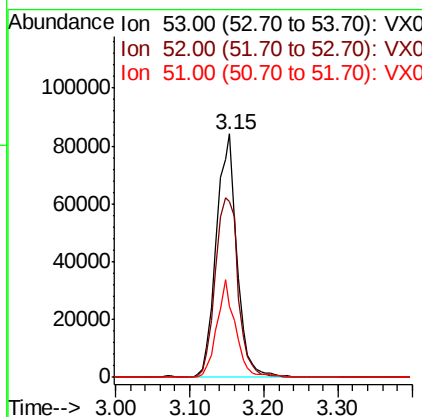
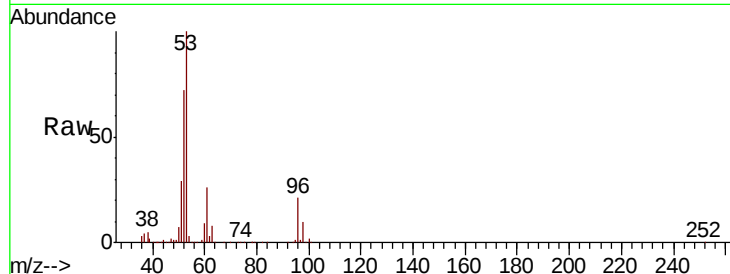
ClientSampleId :

VX1022WBS02

Tot Ion:	53	Resp:	159272
Ion Ratio	Lower	Upper	
53	100		
52	82.6	65.2	97.8
51	36.0	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 106.806 ug/l

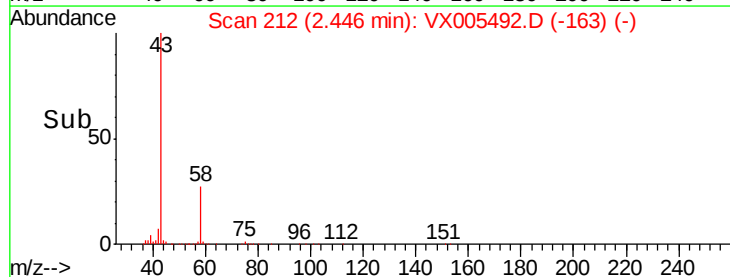
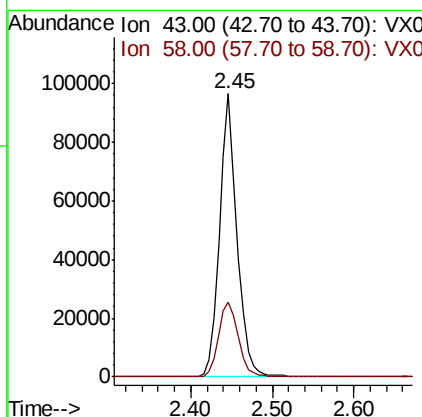
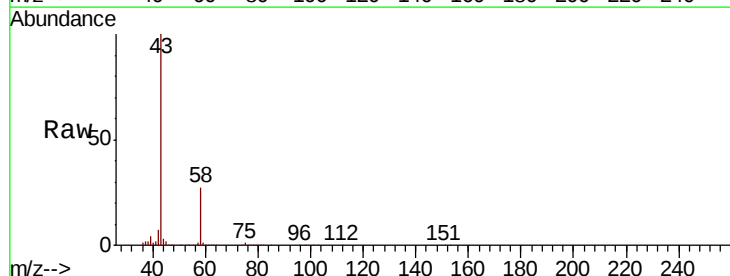
RT: 2.45 min Scan# 212

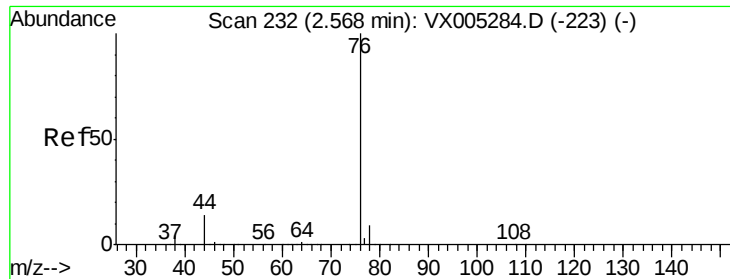
Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Tgt Ion:	43	Resp:	143226
Ion Ratio	Lower	Upper	
43	100		
58	26.5	26.2	39.4





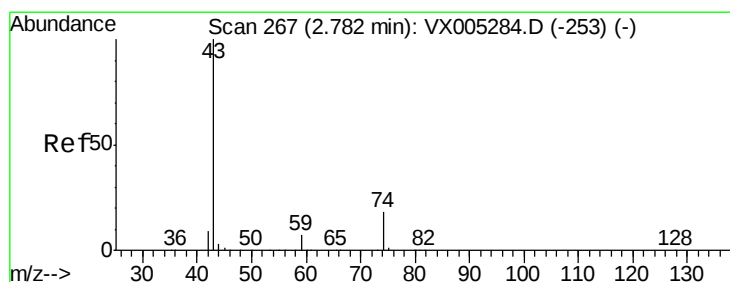
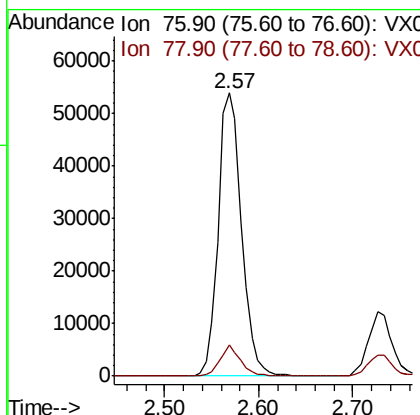
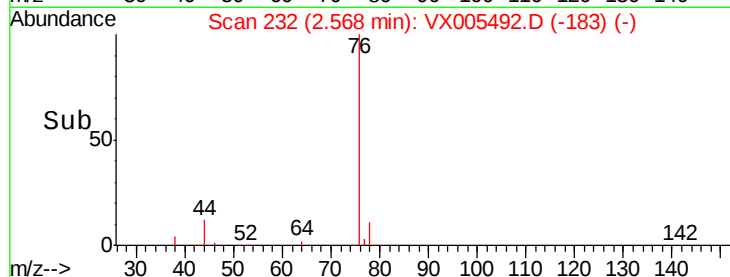
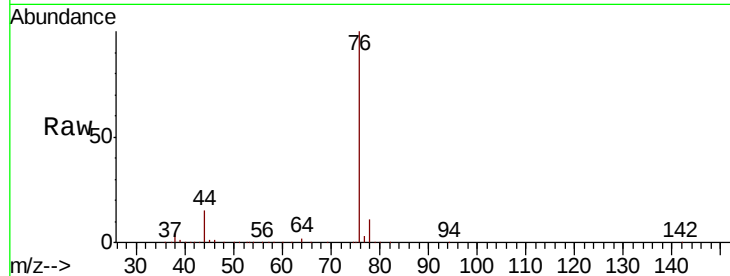
#17
Carbon Disulfide
Concen: 16.692 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	11.0	7.0	10.6#

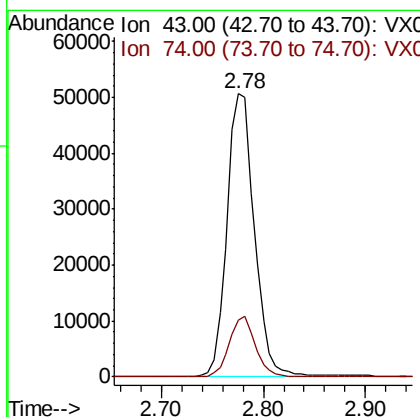
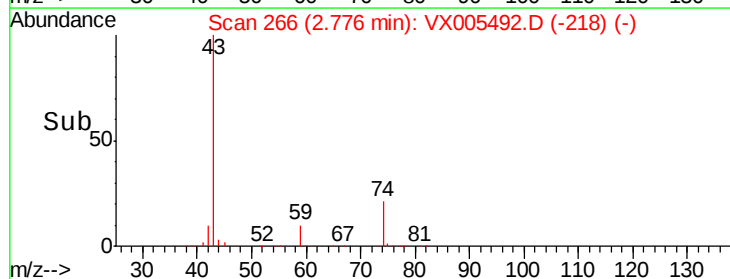
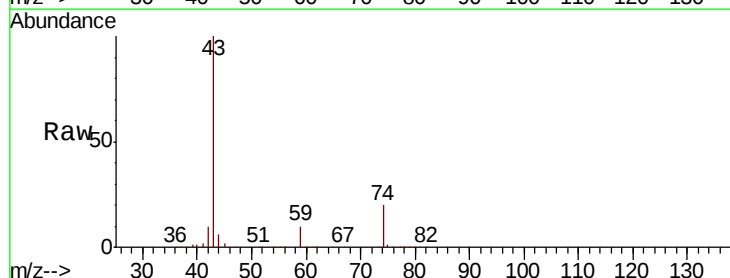
Manual Integrations
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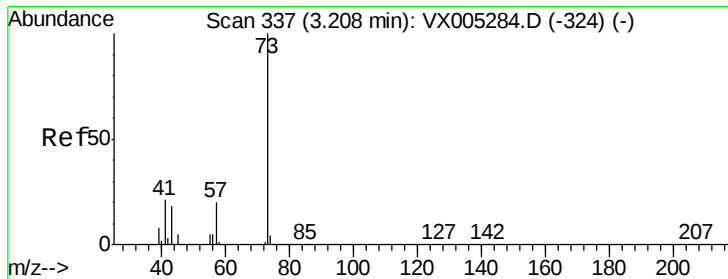
MMDadoda
10/23/2018 1:28:09 PM



#18
Methyl Acetate
Concen: 24.442 ug/l
RT: 2.78 min Scan# 266
Delta R.T. -0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.0	19.4	29.2





#19

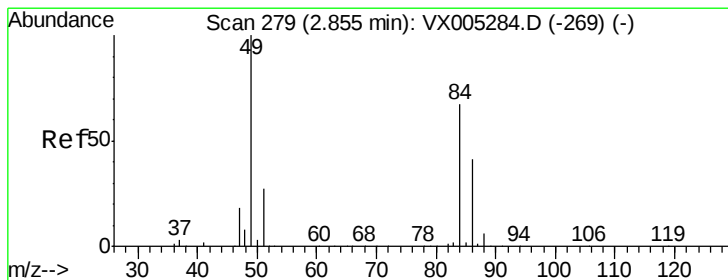
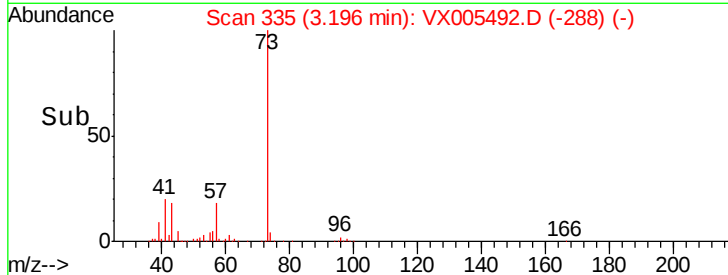
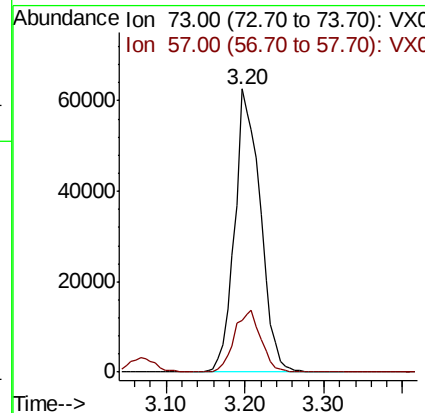
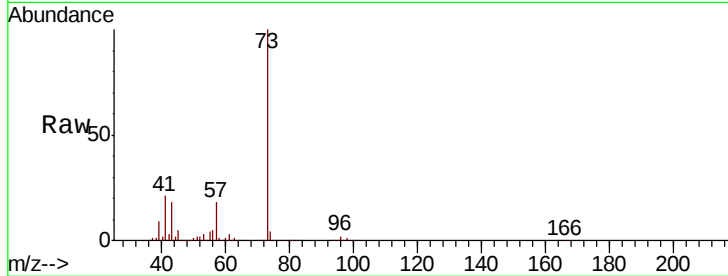
Methyl tert-butyl Ether
 Concen: 21.903 ug/l
 RT: 3.20 min Scan# 335
 Delta R.T. -0.01 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion	73	Resp	141188
Ion Ratio	Lower	Upper	
73	100		
57	18.2	17.1	25.7

Manual Integrations
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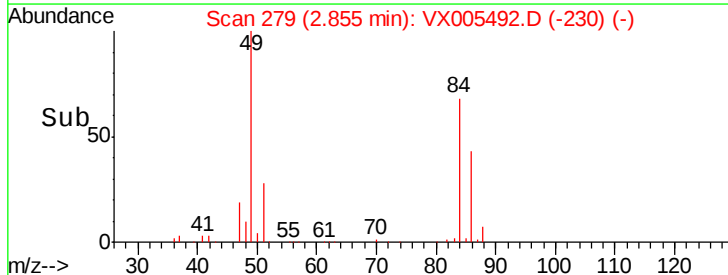
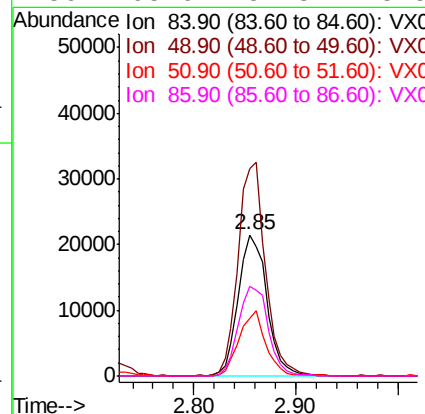
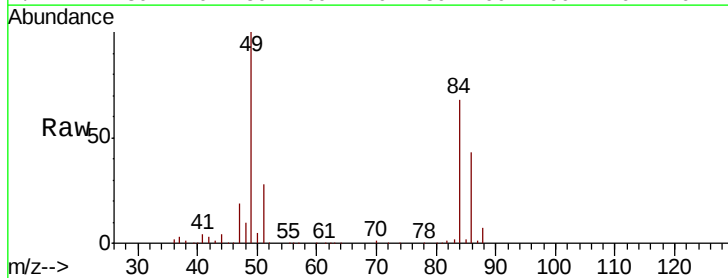
MMDadoda
 10/23/2018 1:28:09 PM

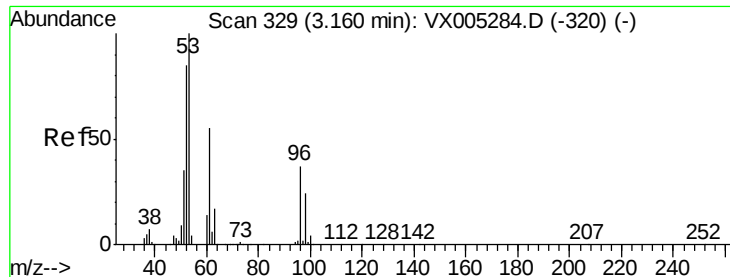


#20

Methylene Chloride
 Concen: 20.526 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion	84	Resp	41614
Ion Ratio	Lower	Upper	
84	100		
49	146.7	101.2	151.8
51	41.1	29.5	44.3
86	63.6	52.3	78.5





#21

trans-1,2-Dichloroethene

Concen: 19.239 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

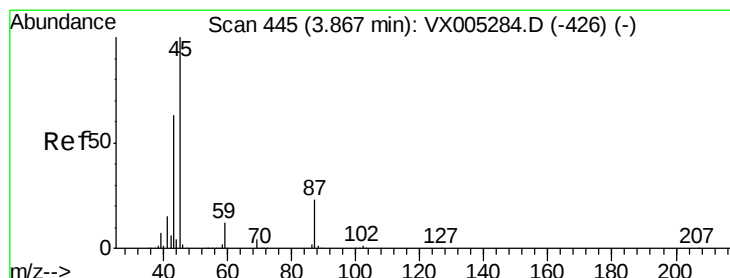
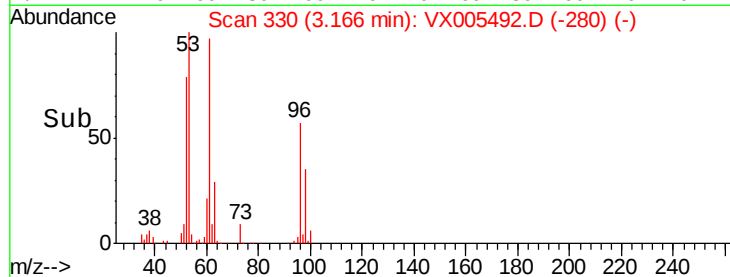
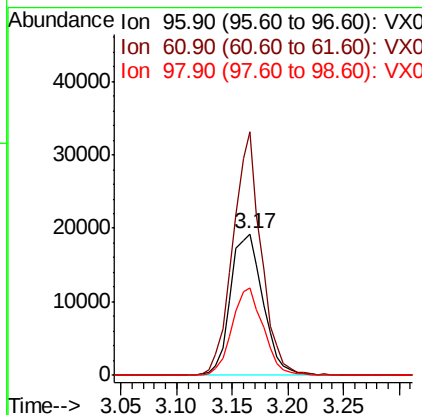
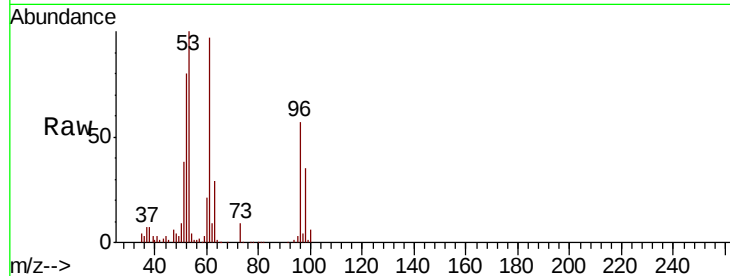
ClientSampleId :

VX1022WBS02

Tot Ion:	96	Resp:	39024
Ion	Ratio	Lower	Upper
96	100		
61	172.0	113.8	170.6#
98	61.5	51.8	77.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.278 ug/l

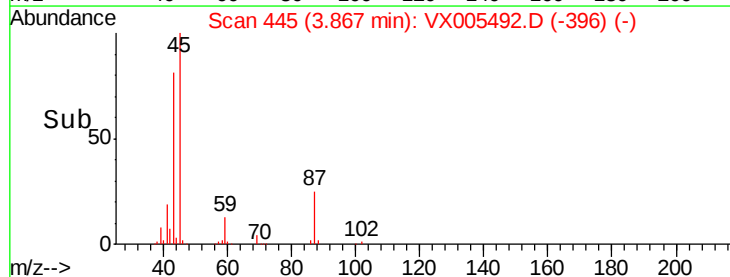
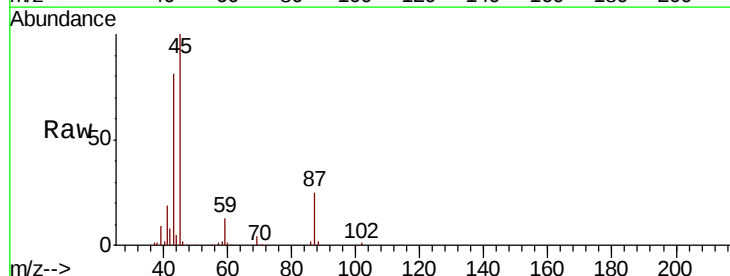
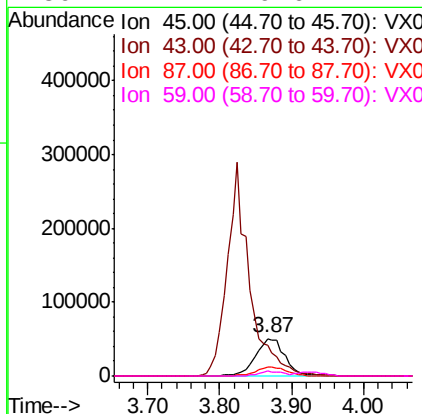
RT: 3.87 min Scan# 445

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Tgt Ion:	45	Resp:	143616
Ion	Ratio	Lower	Upper
45	100		
43	81.1	42.8	64.2#
87	25.3	22.6	34.0
59	12.7	9.6	14.4





#23

Vinyl Acetate

Concen: 107.367 ug/l

RT: 3.82 min Scan# 438

Delta R.T. 0.01 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 43 Resp: 633382

Ion Ratio Lower Upper

43 100

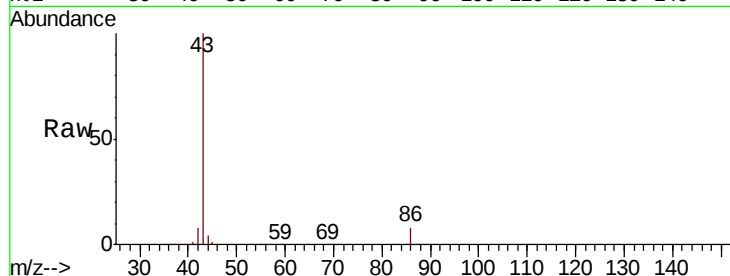
86 7.8 8.9 13.3#

Manual Integrations

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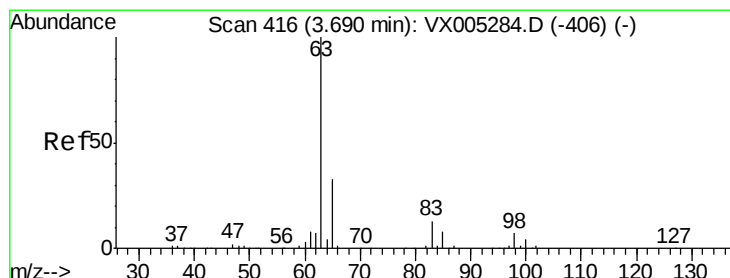
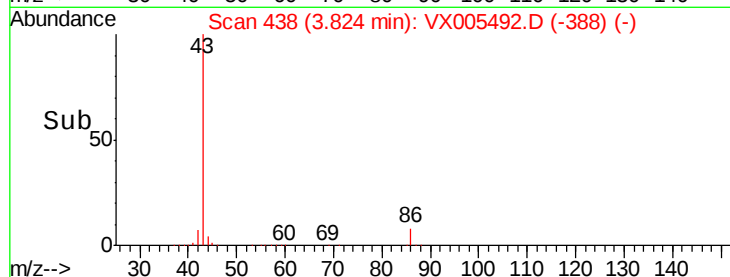
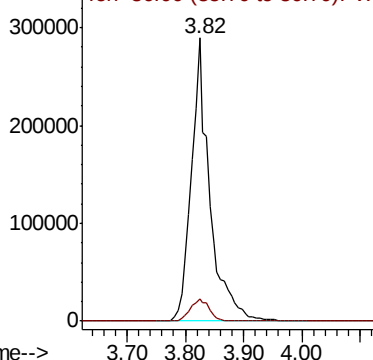
MMDadoda

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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: 21.352 ug/l

RT: 3.69 min Scan# 416

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

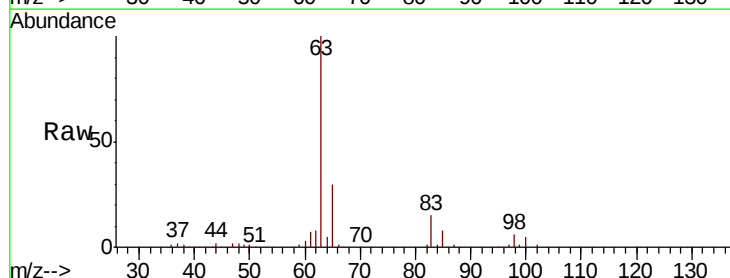
Tgt Ion: 63 Resp: 82593

Ion Ratio Lower Upper

63 100

98 6.0 3.5 10.4

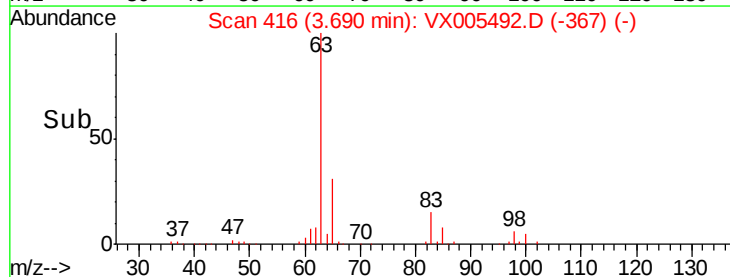
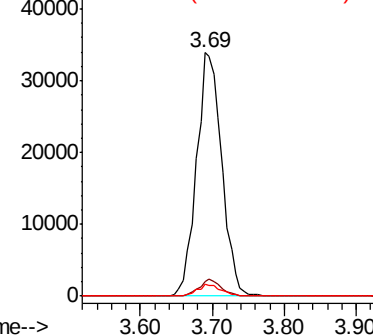
100 4.8 2.4 7.1

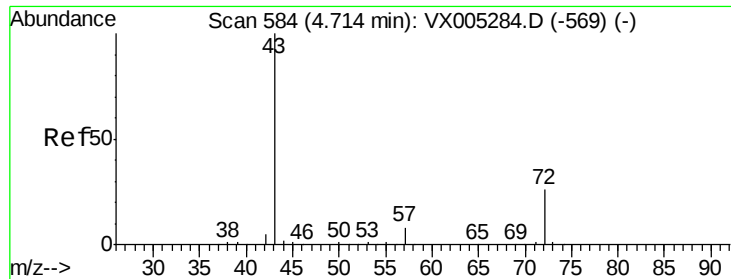


Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0





#25

2-Butanone

Concen: 110.247 ug/l

RT: 4.71 min Scan# 583

Delta R.T. -0.01 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 43 Resp: 216307

Ion Ratio Lower Upper

43 100

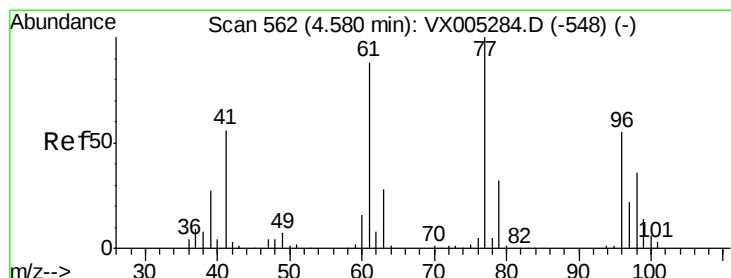
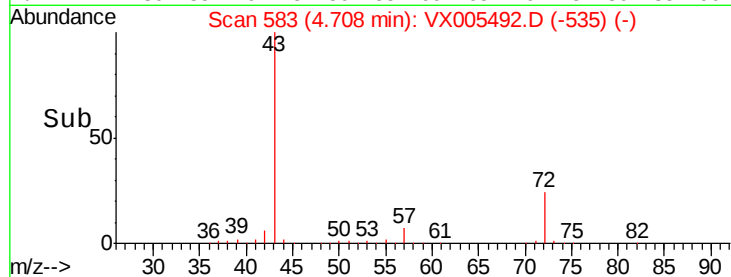
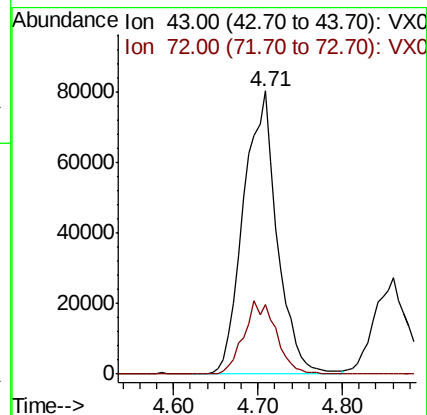
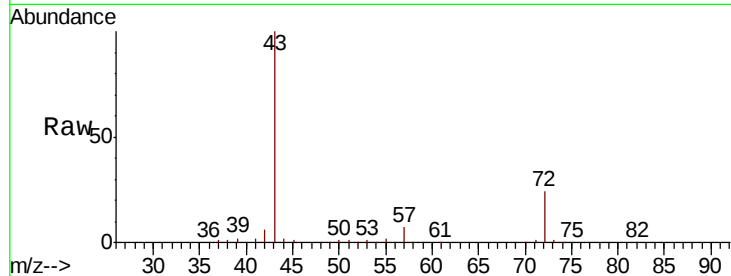
72 24.4 22.0 33.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 15.874 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX005492.D

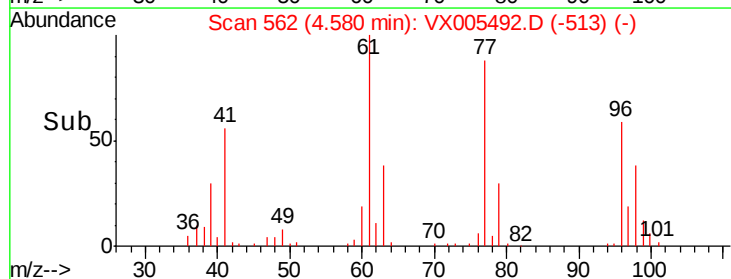
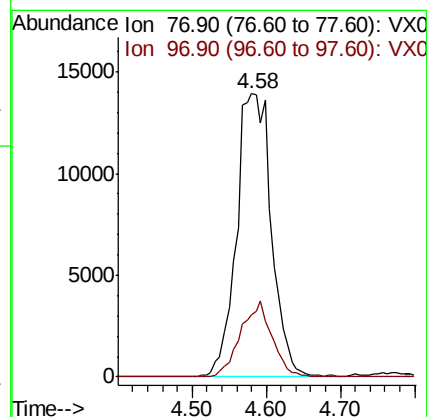
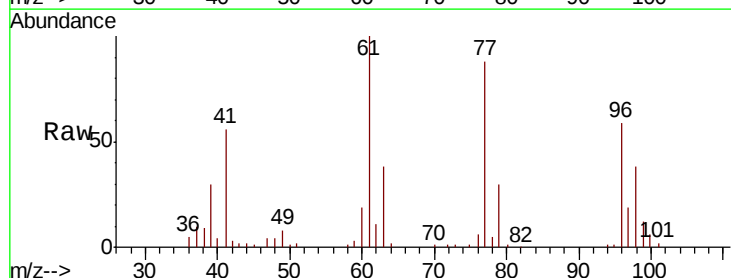
Acq: 23 Oct 2018 01:53

Tgt Ion: 77 Resp: 45924

Ion Ratio Lower Upper

77 100

97 23.8 11.7 35.0





#27

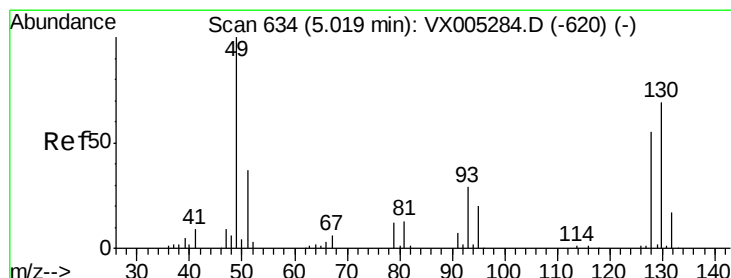
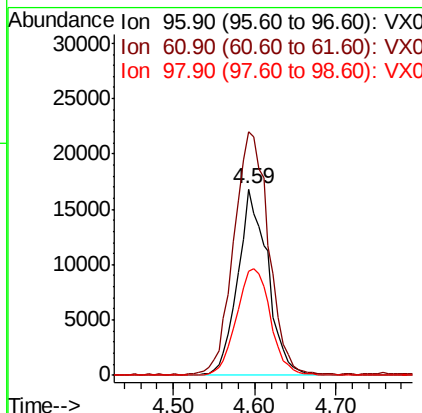
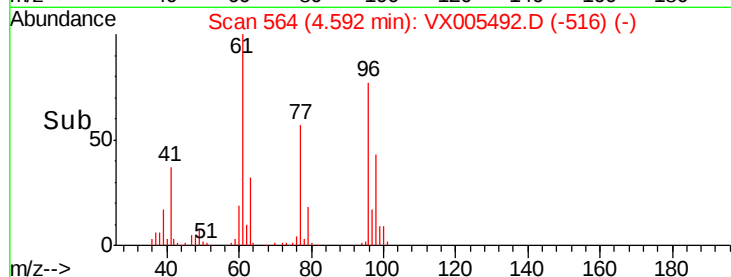
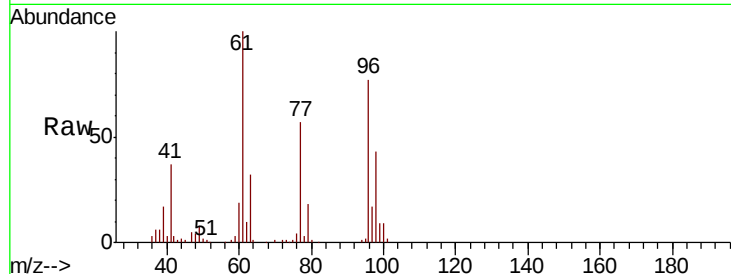
cis-1,2-Dichloroethene
Concen: 19.548 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.7	0.0	282.6
98	64.7	0.0	130.2

Manual Integrations
APPROVED

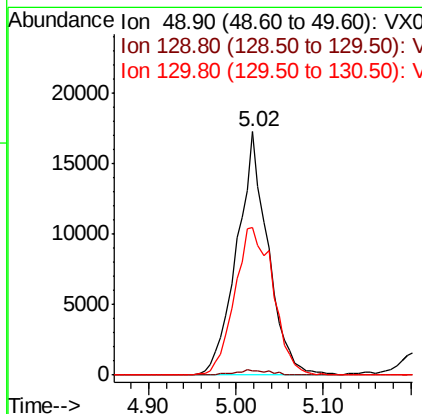
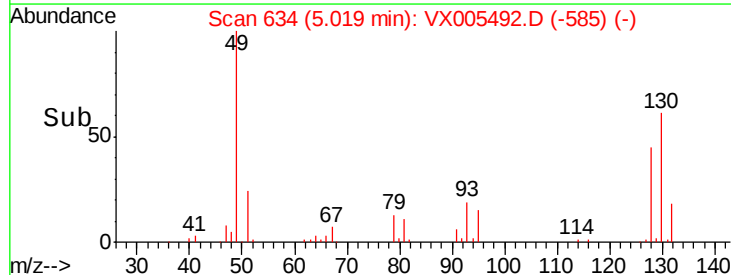
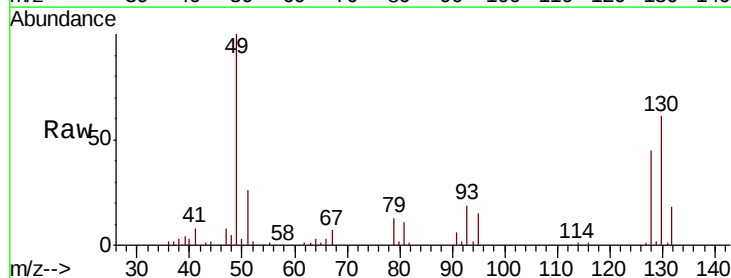
MMDadoda
10/23/2018 1:28:09 PM

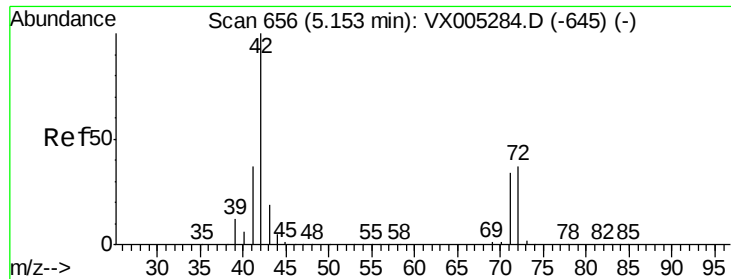


#28

Bromochloromethane
Concen: 24.252 ug/l
RT: 5.02 min Scan# 634
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.2
130	75.0	67.5	101.3





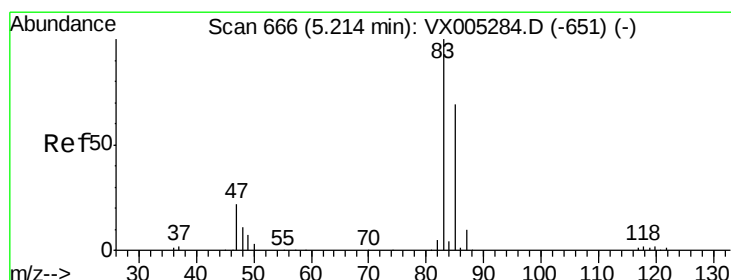
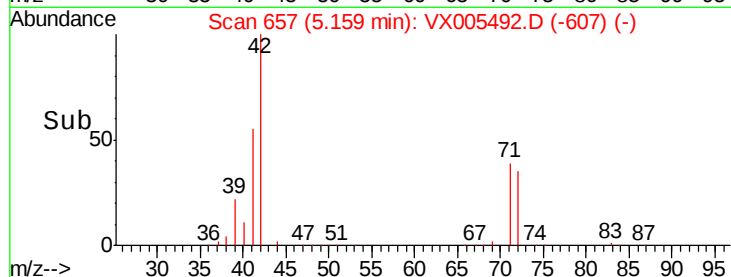
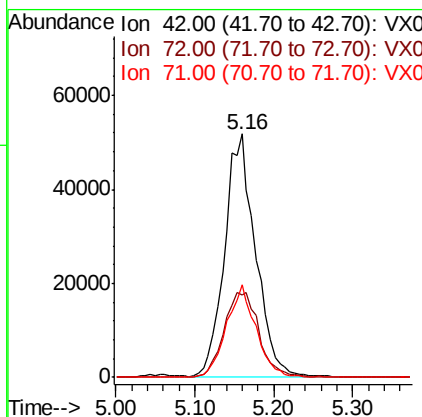
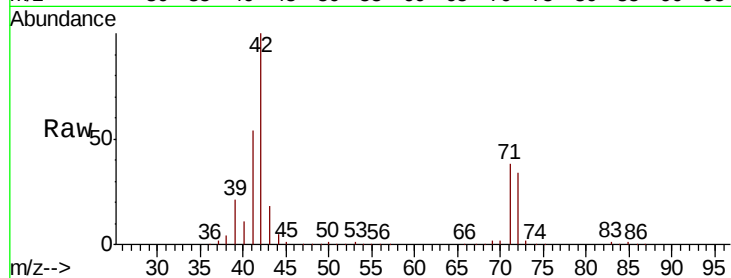
#29
Tetrahydrofuran
Concen: 111.709 ug/l
RT: 5.16 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	37.4	56.0
71	36.8	34.5	51.7

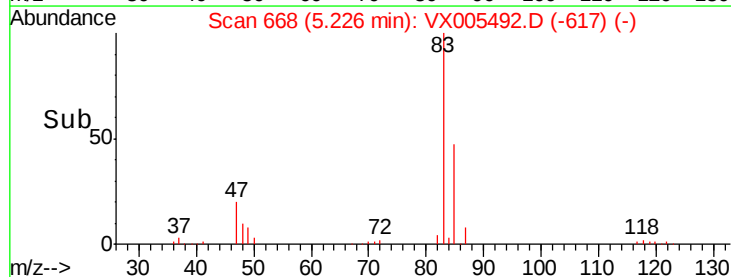
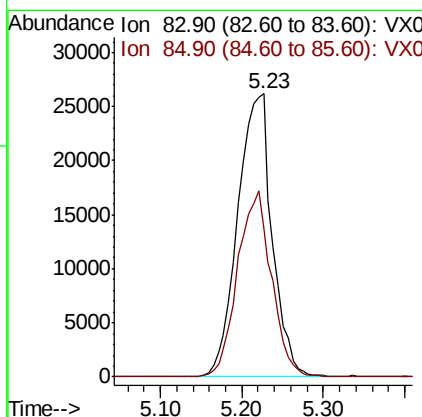
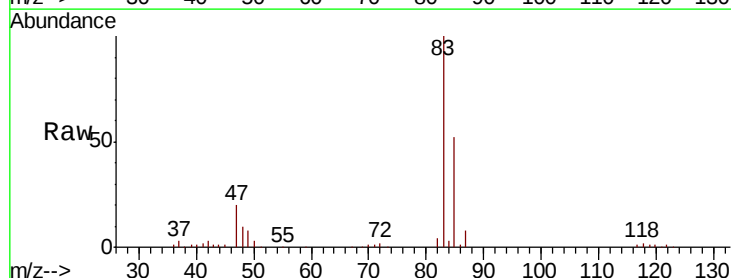
Manual Integrations
APPROVED

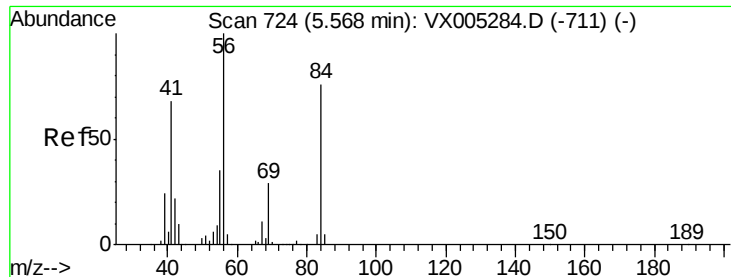
MMDadoda
10/23/2018 1:28:09 PM



#30
Chloroform
Concen: 21.494 ug/l
RT: 5.23 min Scan# 668
Delta R.T. 0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.0	52.6	79.0#





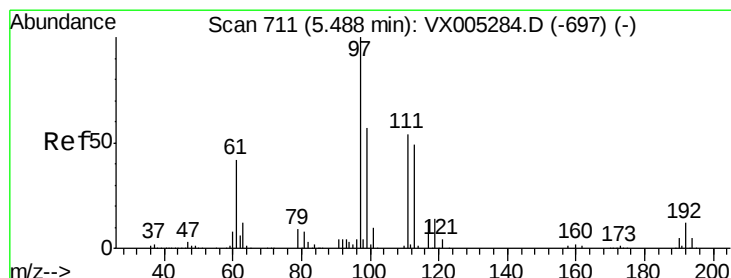
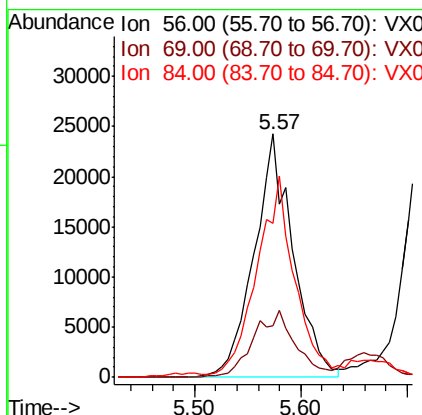
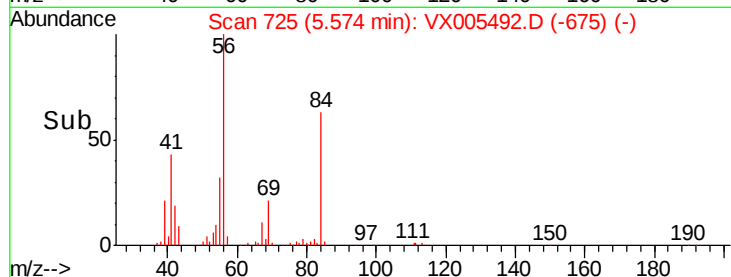
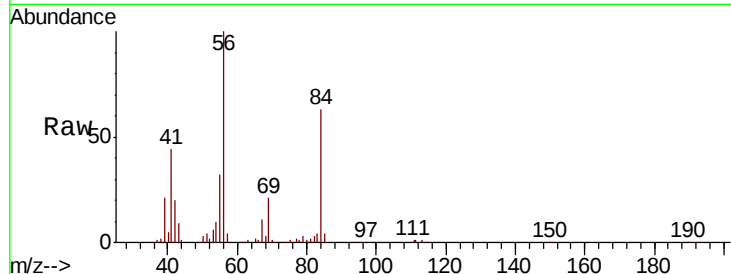
#31
Cyclohexane
Concen: 19.436 ug/l
RT: 5.57 min Scan# 725
Delta R.T. 0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
56	100		
69	21.0	25.4	38.2#
84	61.8	71.4	107.2#

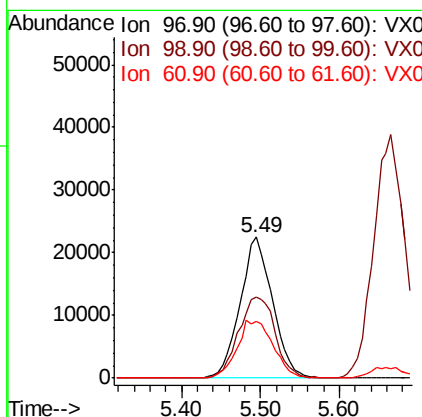
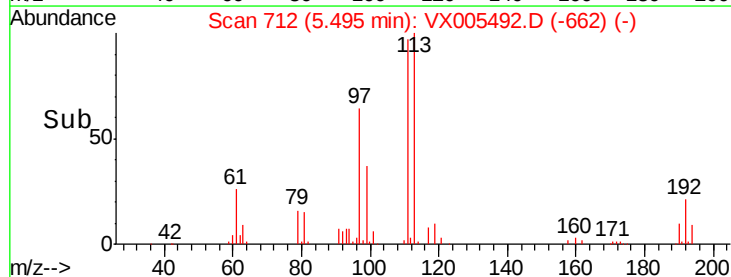
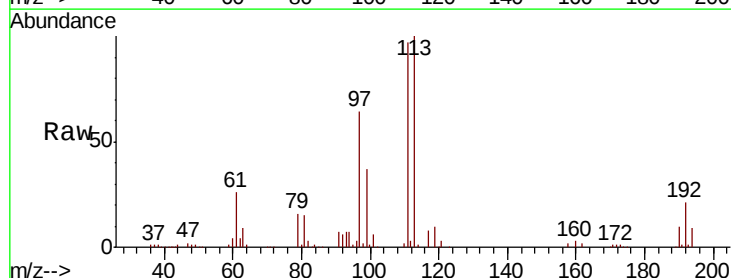
Manual Integrations
APPROVED

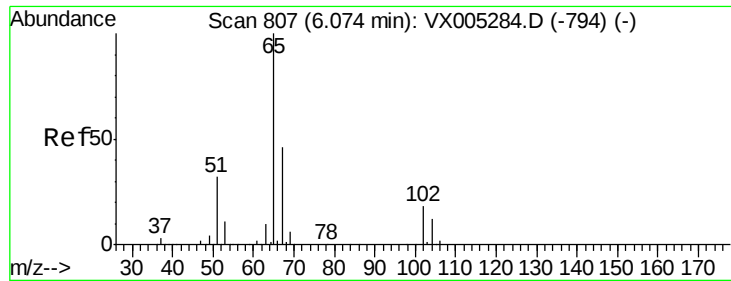
MMDadoda
10/23/2018 1:28:09 PM



#32
1,1,1-Trichloroethane
Concen: 20.567 ug/l
RT: 5.49 min Scan# 712
Delta R.T. 0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.0	78.0
61	45.9	34.9	52.3





#33

1,2-Dichloroethane-d4

Concen: 55.968 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.01 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 65 Resp: 129806

Ion Ratio Lower Upper

65 100

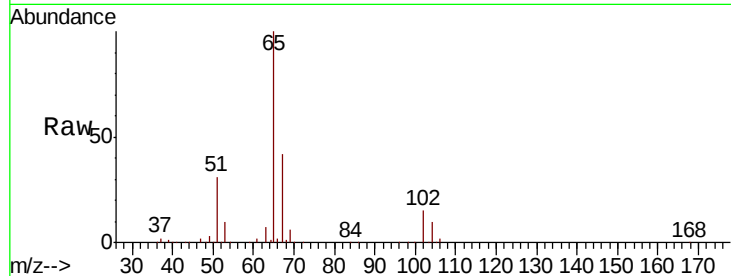
67 52.9 0.0 106.8

Manual Integrations

APPROVED

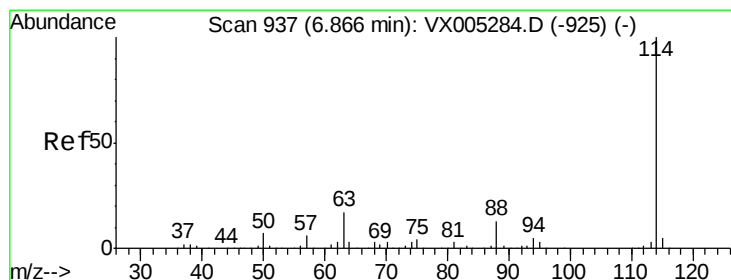
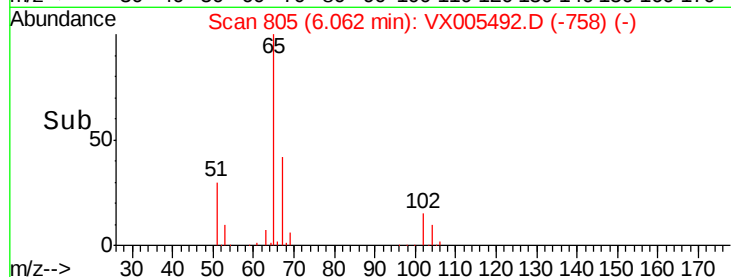
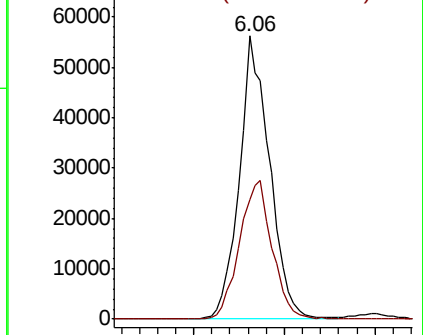
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

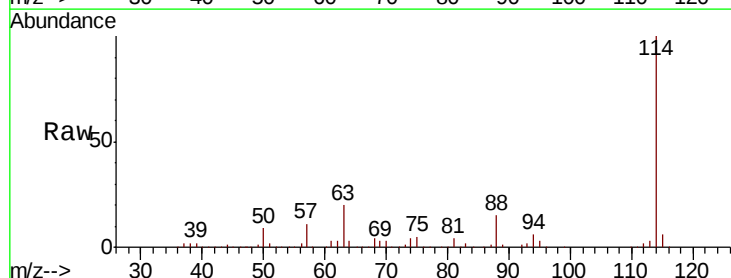
Tgt Ion: 114 Resp: 297869

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.0

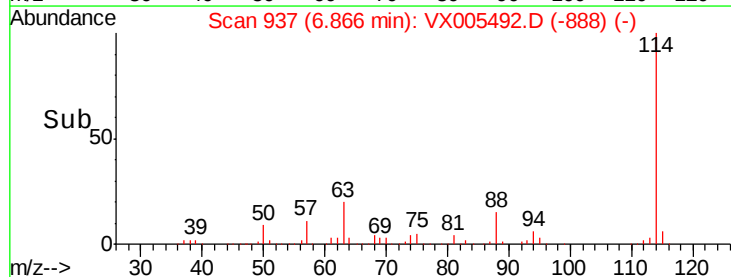
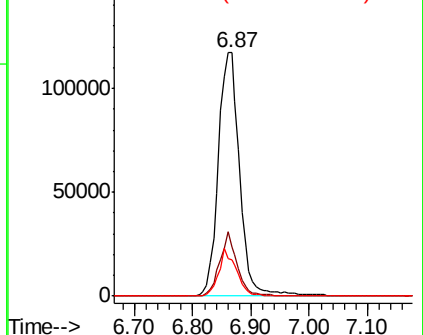
88 15.2 0.0 30.4

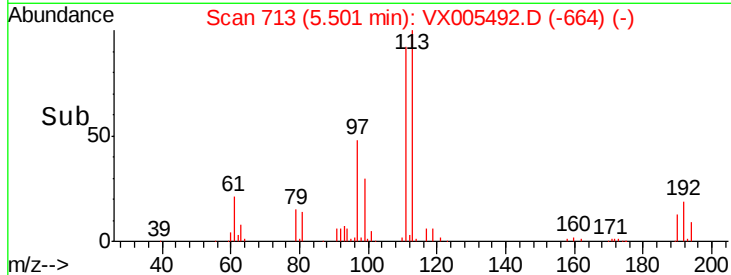
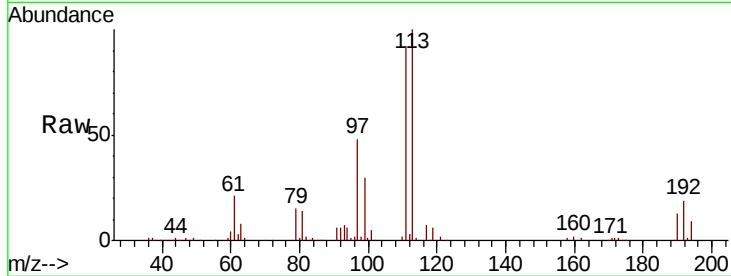
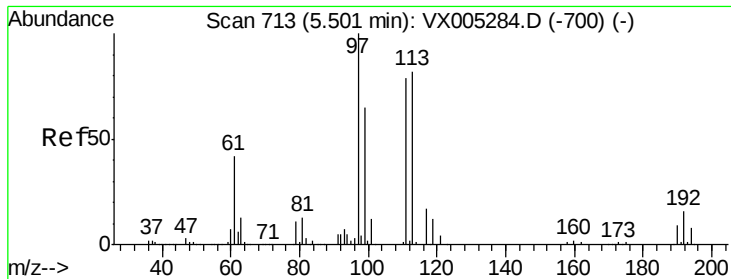


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





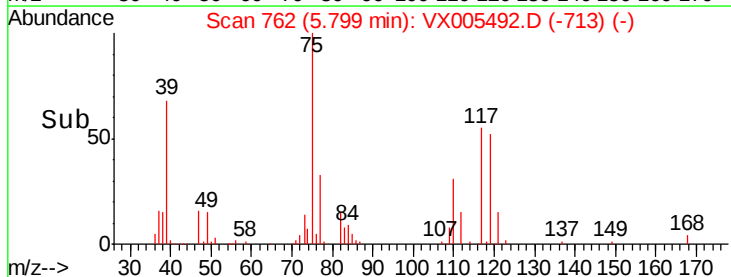
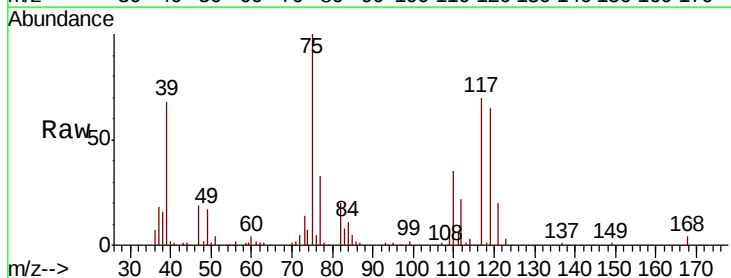
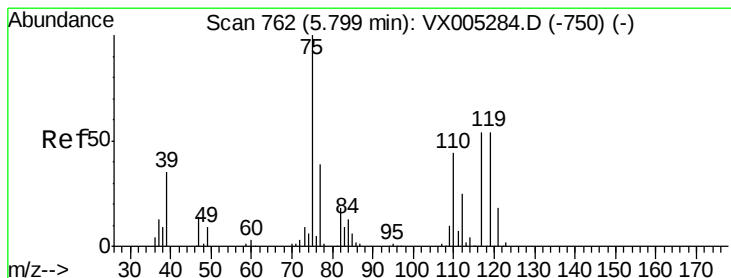
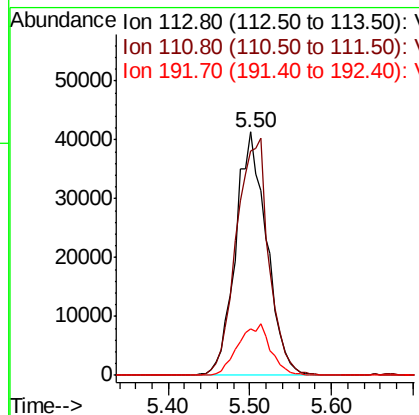
#35
Dibromofluoromethane
Concen: 55.318 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109135		
111	101.3	82.4	123.6	
192	22.0	19.4	29.2	

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

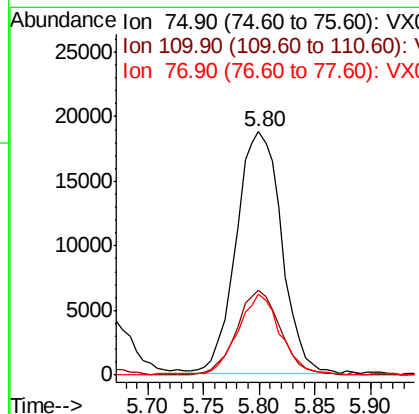
Manual Integrations
APPROVED

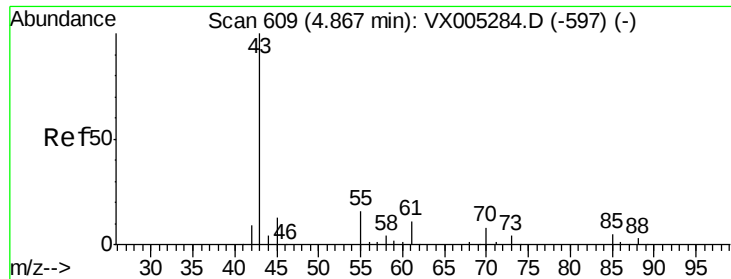
MMDadoda
10/23/2018 1:28:09 PM



#36
1,1-Dichloropropene
Concen: 18.285 ug/l
RT: 5.80 min Scan# 762
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52748		
110	34.2	18.0	54.0	
77	31.3	24.6	36.8	





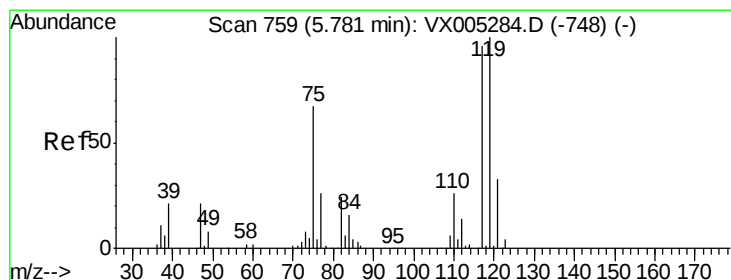
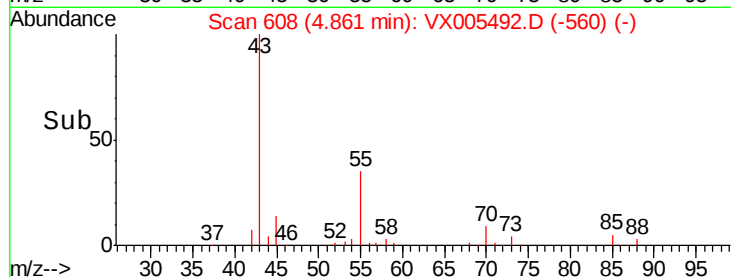
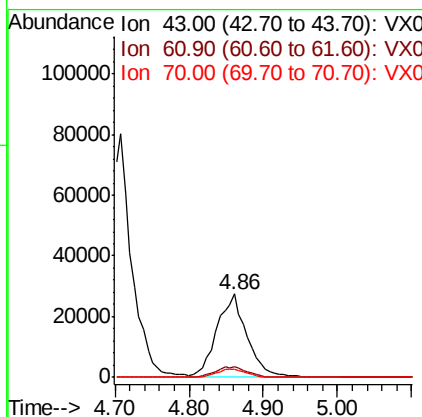
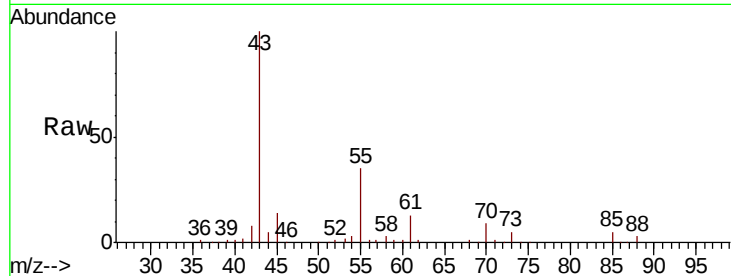
#37
Ethyl Acetate
Concen: 20.494 ug/l
RT: 4.86 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.5	17.3
70	10.6	9.0	13.6

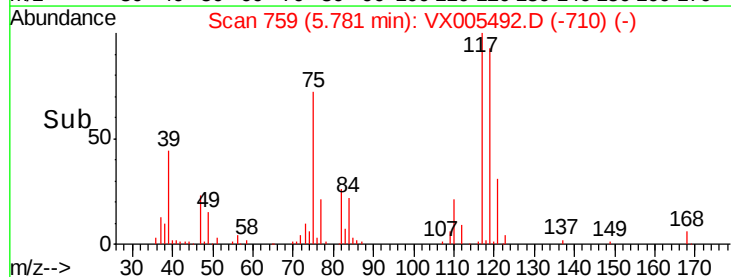
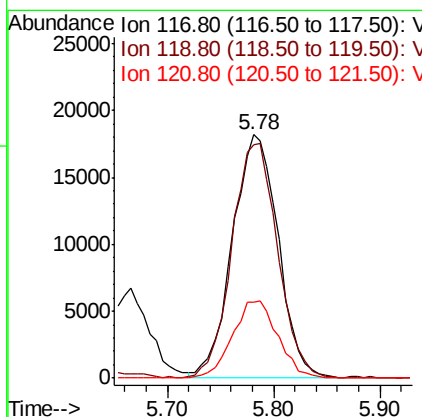
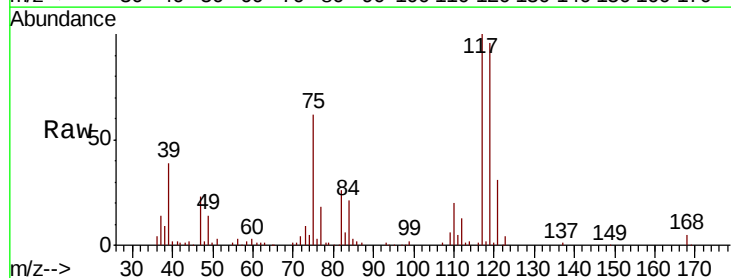
Manual Integrations
APPROVED

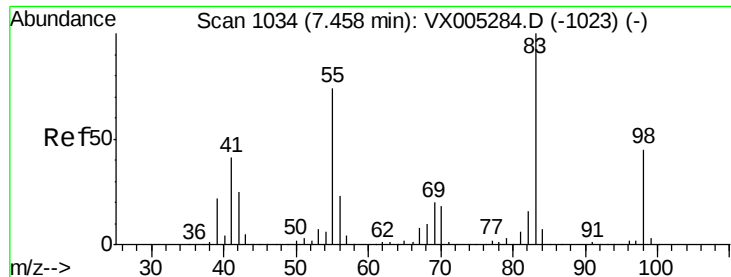
MMDadoda
10/23/2018 1:28:09 PM



#38
Carbon Tetrachloride
Concen: 18.815 ug/l
RT: 5.78 min Scan# 759
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	78.8	118.2
121	31.5	24.9	37.3





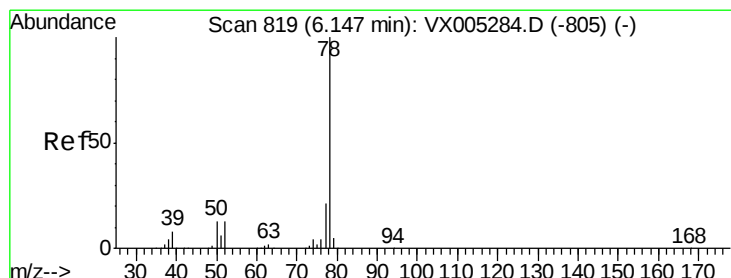
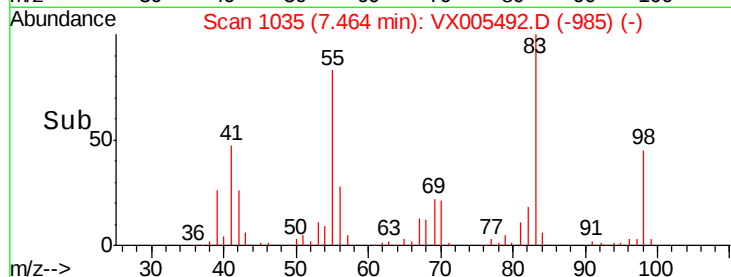
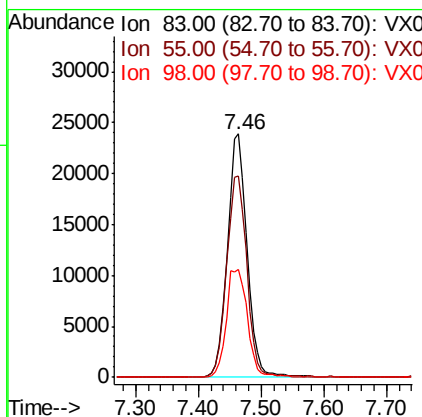
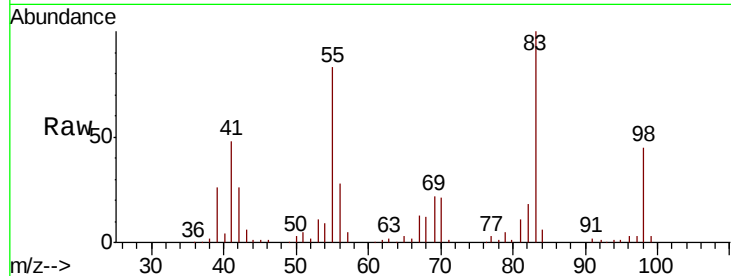
#39
Methvlcvclohexane
Concen: 16.626 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	82.5	61.0	91.4
98	44.5	39.6	59.4

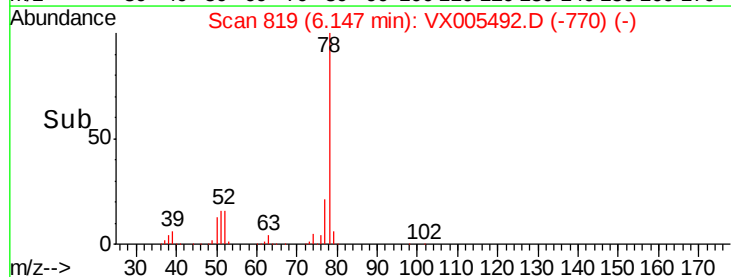
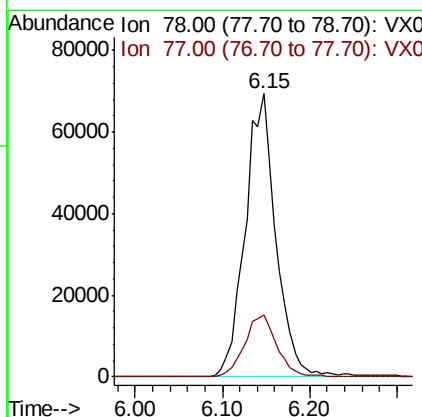
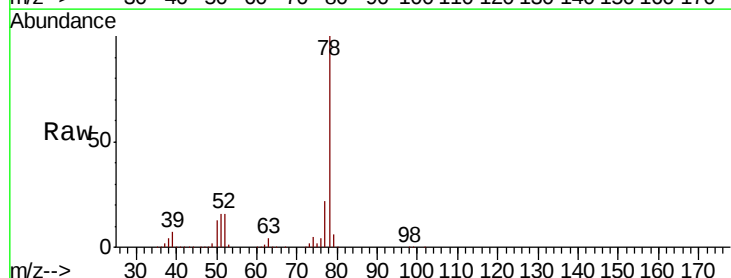
Manual Integrations
APPROVED

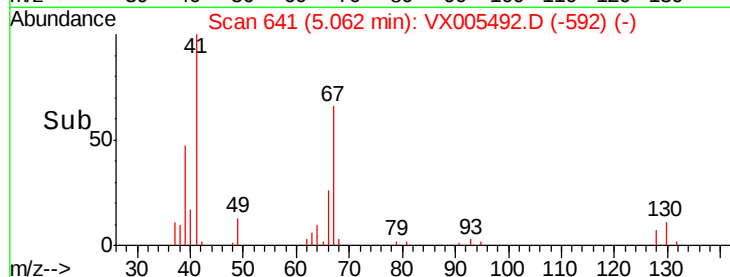
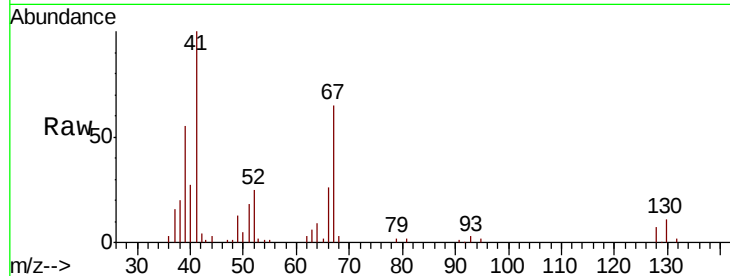
MMDadoda
10/23/2018 1:28:09 PM



#40
Benzene
Concen: 19.465 ug/l
RT: 6.15 min Scan# 819
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	19.0	28.4





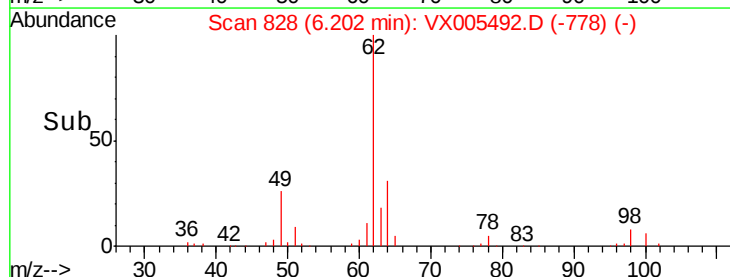
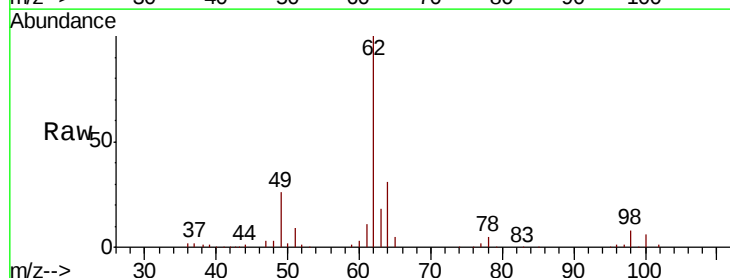
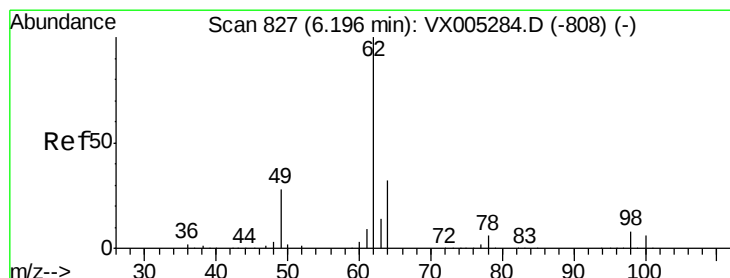
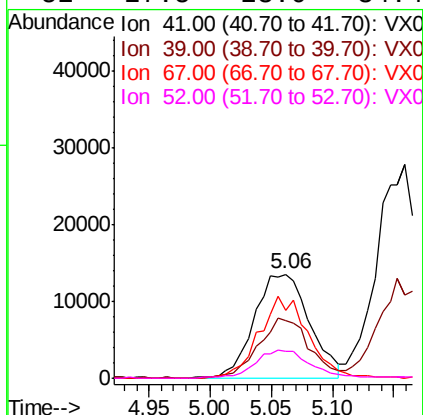
#41
Methacrylonitrile
Concen: 21.194 ug/l
RT: 5.06 min Scan# 641
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	42.4	63.6	
67	71.0	59.2	88.8	
52	27.5	23.0	34.4	

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

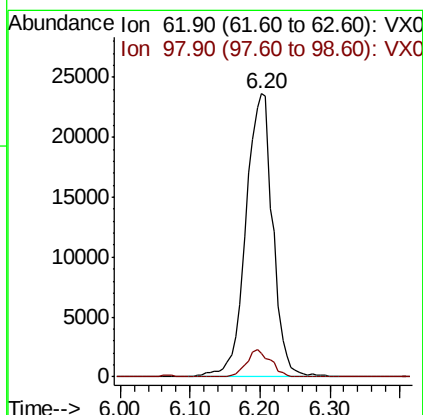
Manual Integrations
APPROVED

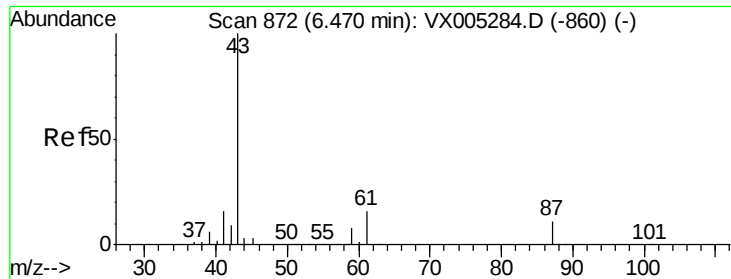
MMDadoda
10/23/2018 1:28:09 PM



#42
1,2-Dichloroethane
Concen: 20.722 ug/l
RT: 6.20 min Scan# 828
Delta R.T. 0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	20.6	





#43

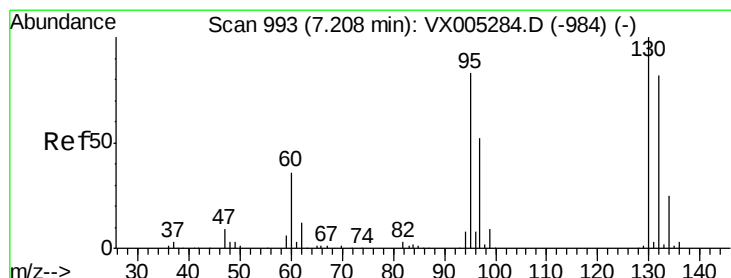
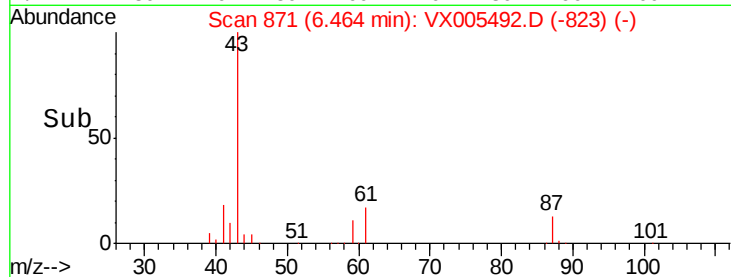
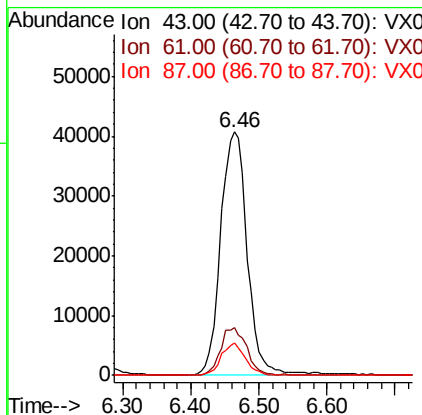
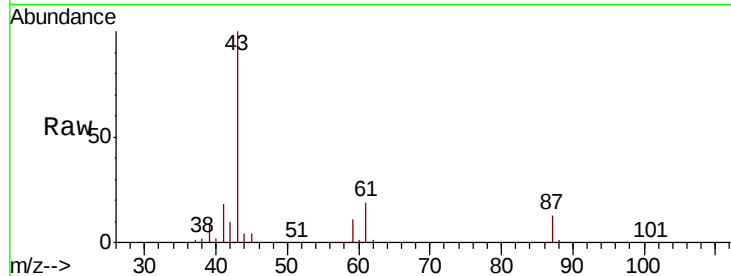
Isopropyl Acetate
 Concen: 22.244 ug/l
 RT: 6.46 min Scan# 871
 Delta R.T. -0.01 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.3	17.0	25.4
87	12.2	11.4	17.2

Manual Integrations
 APPROVED

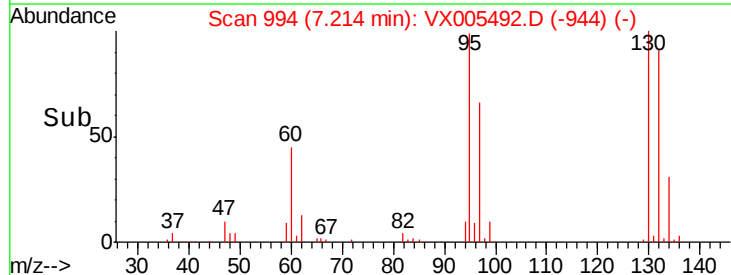
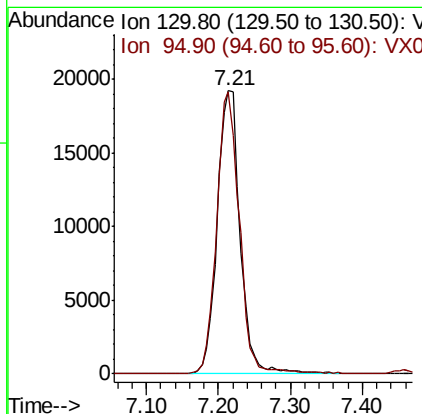
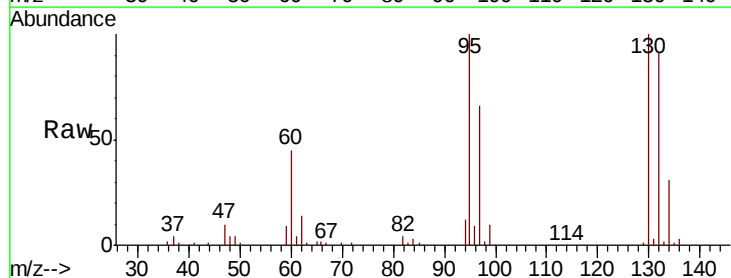
MMDadoda
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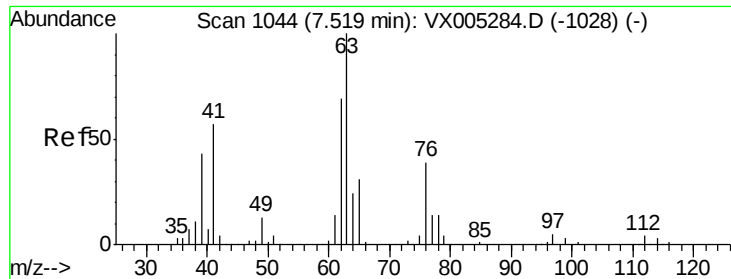


#44

Trichloroethene
 Concen: 18.849 ug/l
 RT: 7.21 min Scan# 994
 Delta R.T. 0.01 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	99.7	0.0	181.6





#45

1,2-Dichloropropane

Concen: 20.144 ug/l

RT: 7.52 min Scan# 1044

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 63 Resp: 42761

Ion Ratio Lower Upper

63 100

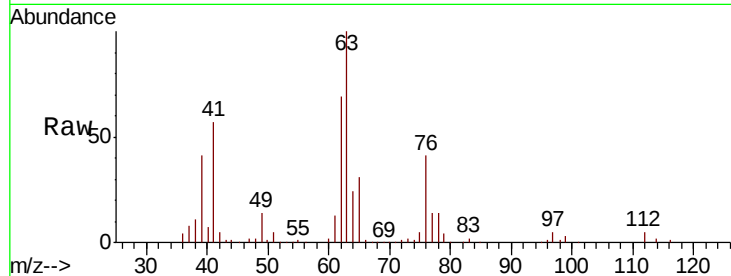
65 31.5 24.3 36.5

Manual Integrations

APPROVED

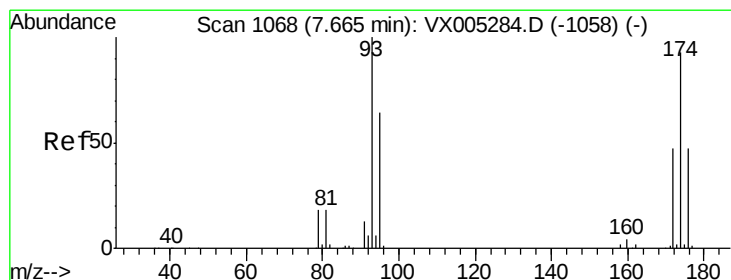
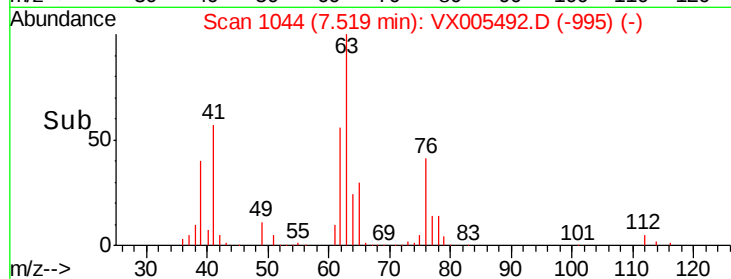
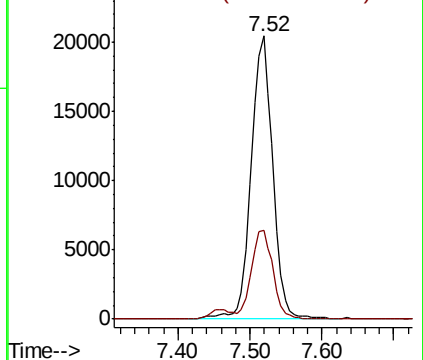
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0



#46

Dibromomethane

Concen: 19.417 ug/l

RT: 7.66 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

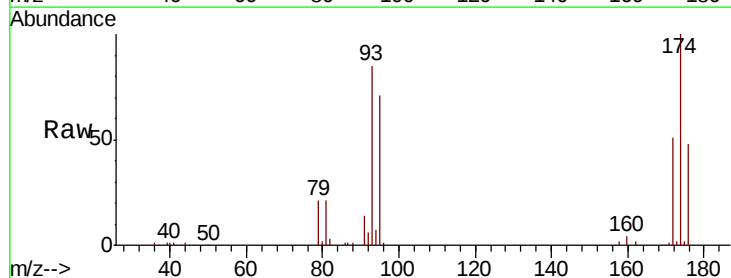
Tgt Ion: 93 Resp: 27204

Ion Ratio Lower Upper

93 100

95 83.9 65.5 98.3

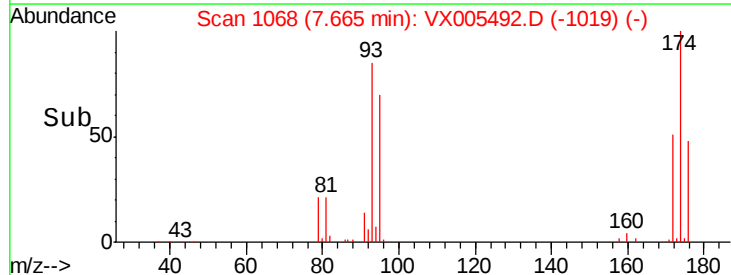
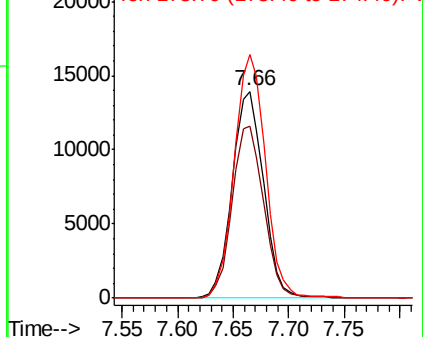
174 117.2 94.2 141.4



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V





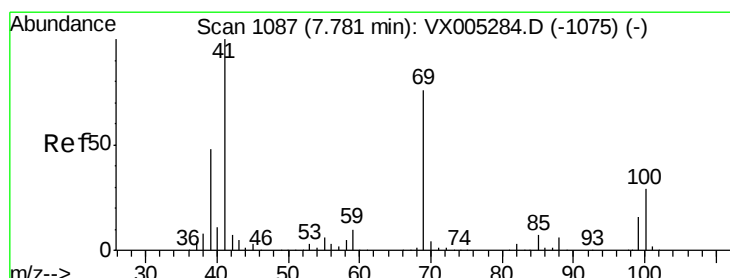
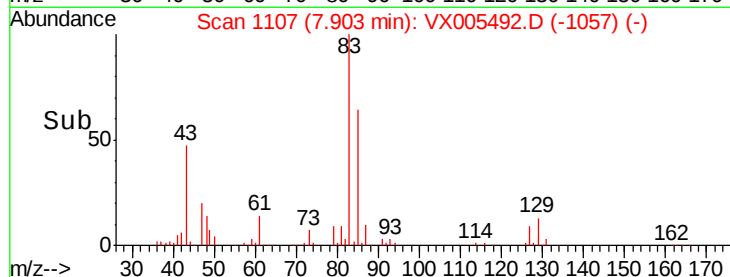
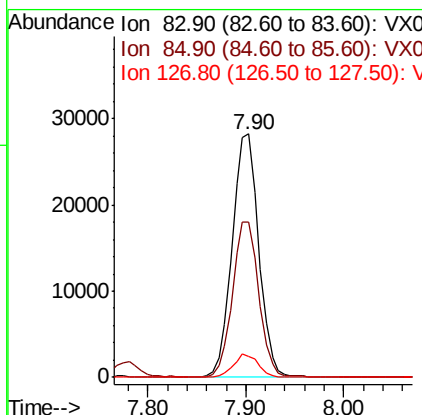
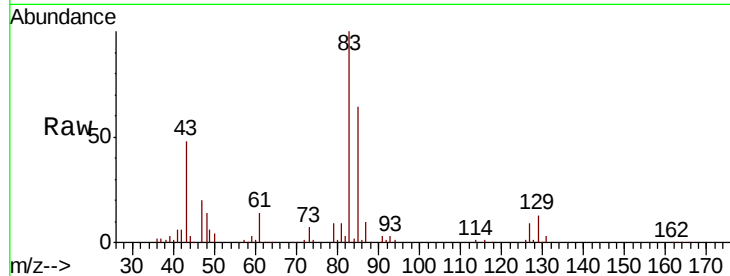
#47
Bromodichloromethane
Concen: 20.564 ug/l
RT: 7.90 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.6	7.3	10.9

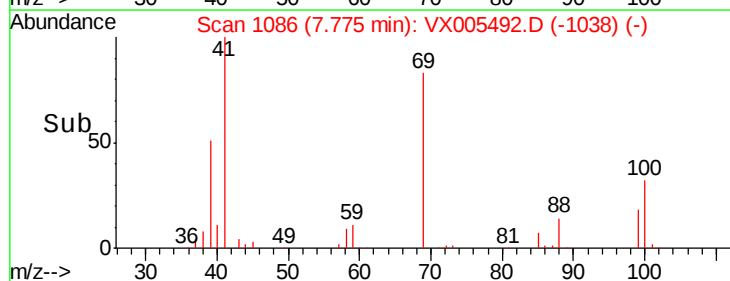
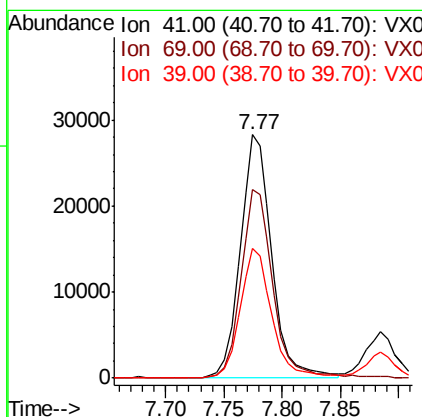
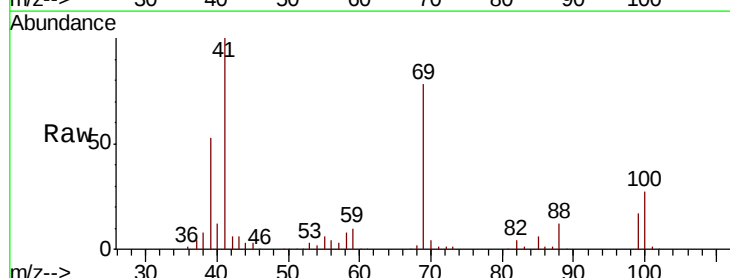
Manual Integrations
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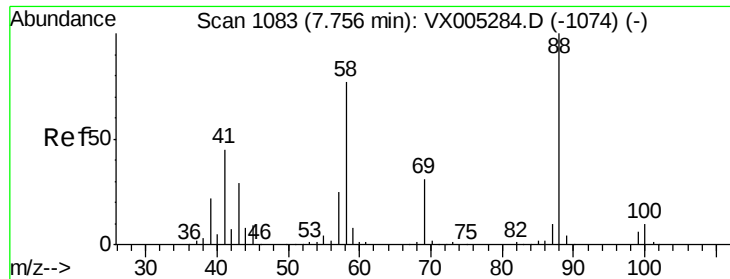
MMDadoda
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#48
Methyl methacrylate
Concen: 20.762 ug/l
RT: 7.77 min Scan# 1086
Delta R.T. -0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.0	70.2	105.4
39	53.6	42.7	64.1





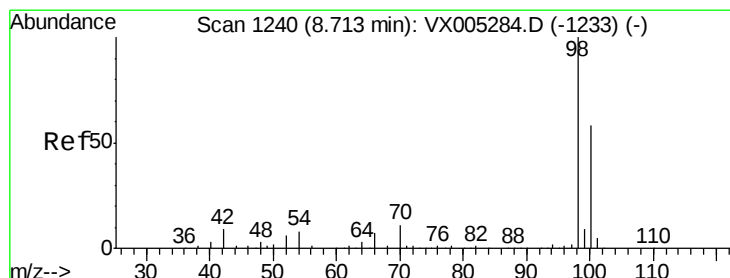
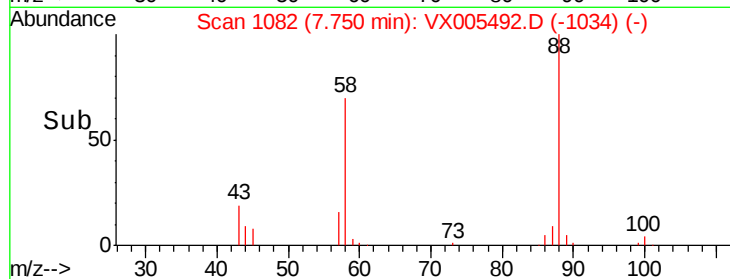
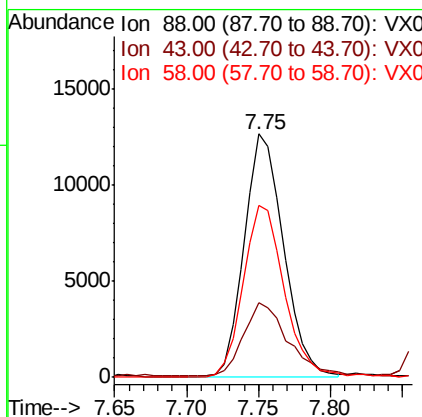
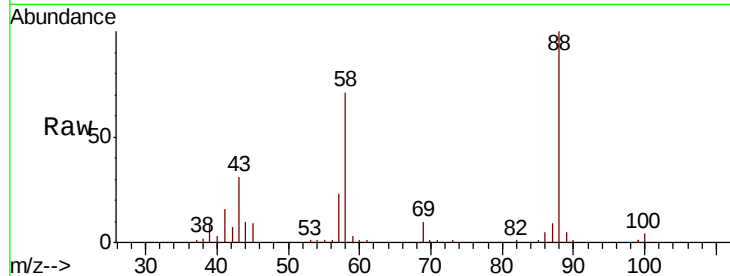
#49
 1,4-Dioxane
 Concen: 407.124 ug/l
 RT: 7.75 min Scan# 1082
 Delta R.T. -0.01 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion:	88	Resp:	24069
Ion	Ratio	Lower	Upper
88	100		
43	34.5	24.7	37.1
58	73.6	55.3	82.9

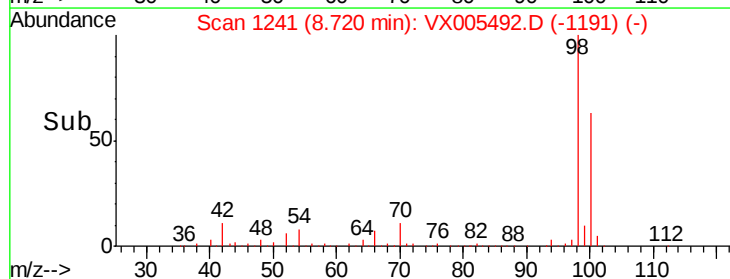
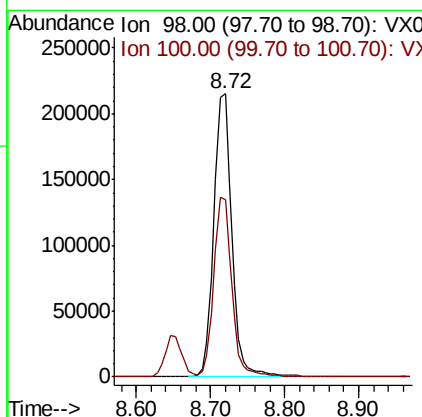
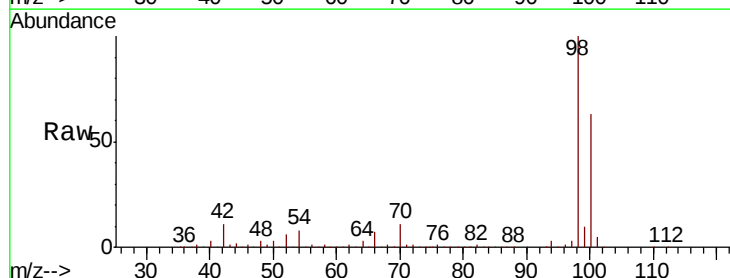
Manual Integrations
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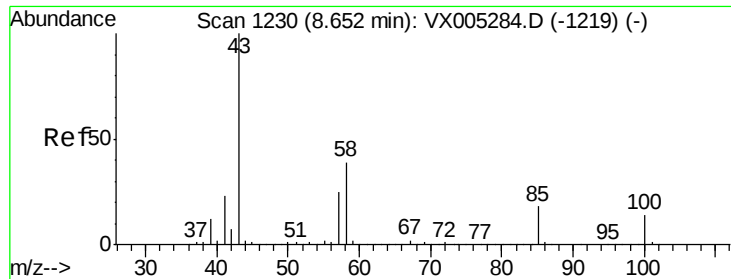
MMDadoda
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#50
 Toluene-d8
 Concen: 52.853 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. 0.01 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion:	98	Resp:	357969
Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.9	79.3





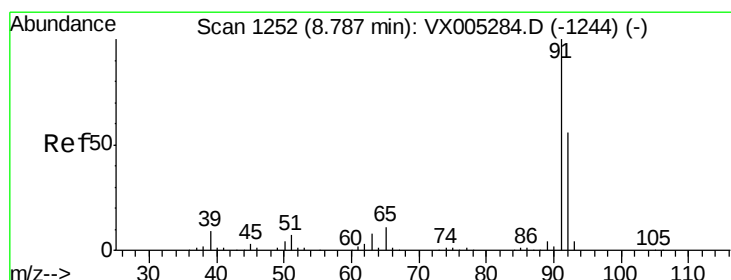
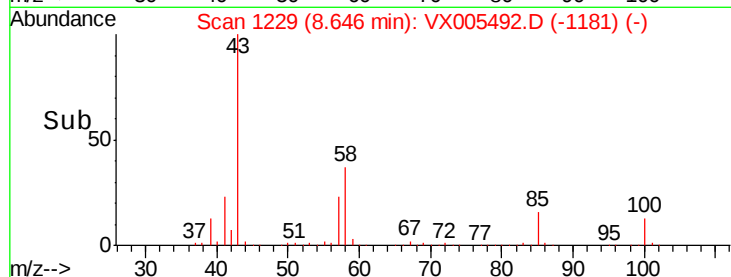
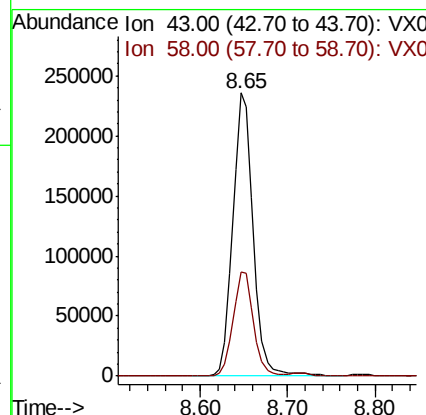
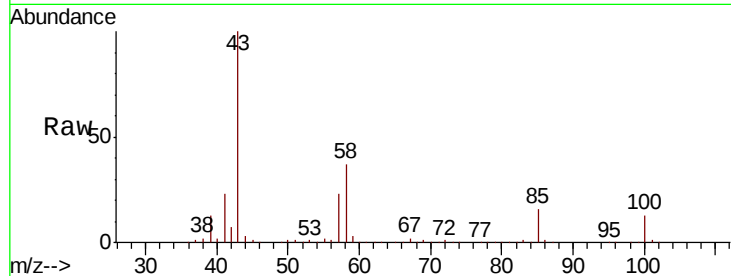
#51
4-Methyl-2-Pentanone
Concen: 111.583 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. -0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion: 43 Resp: 381830
Ion Ratio Lower Upper
43 100
58 36.7 33.1 49.7

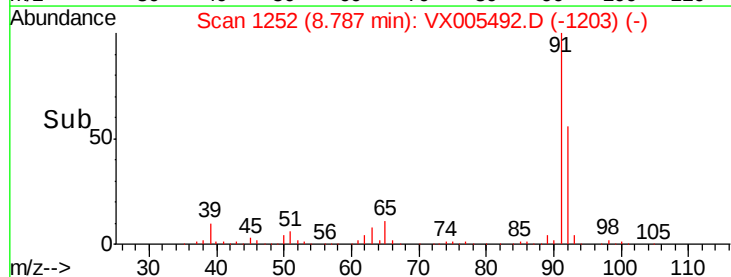
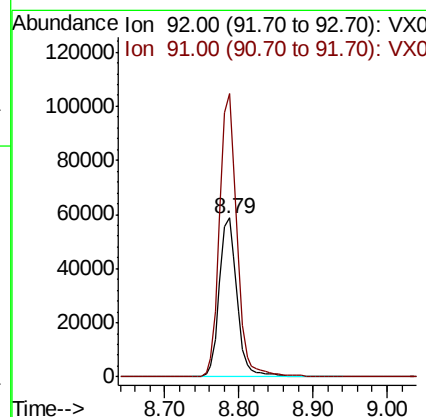
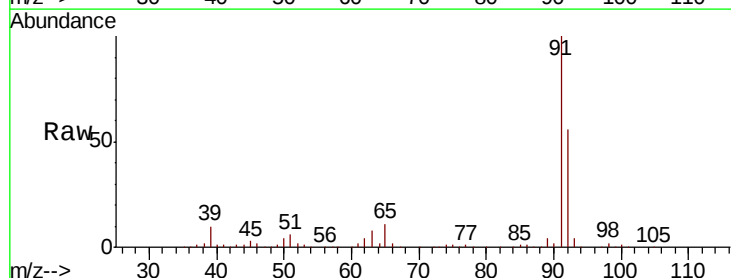
Manual Integrations
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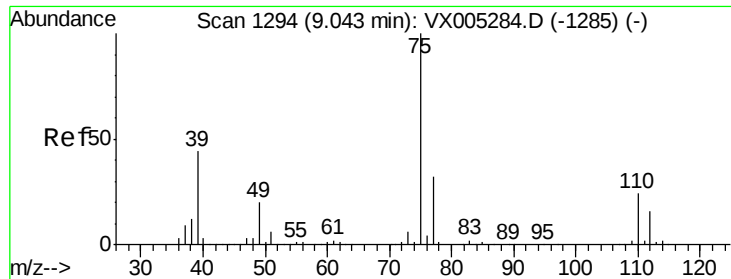
MMDadoda
10/23/2018 1:28:09 PM



#52
Toluene
Concen: 20.355 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion: 92 Resp: 96370
Ion Ratio Lower Upper
92 100
91 175.6 136.4 204.6





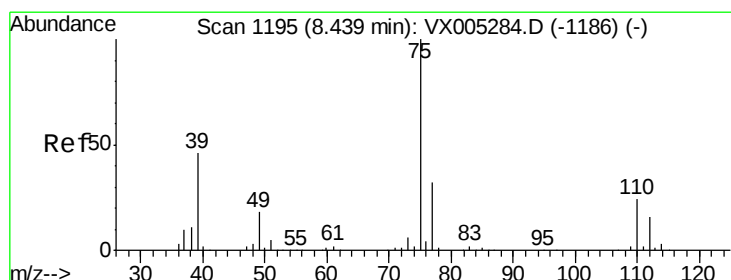
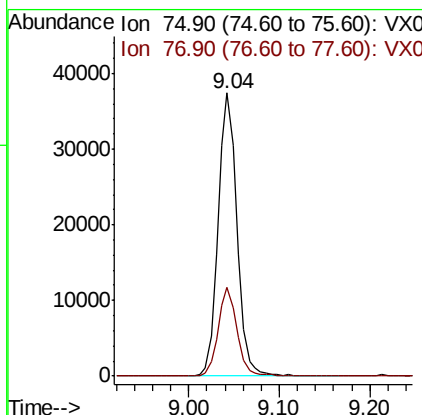
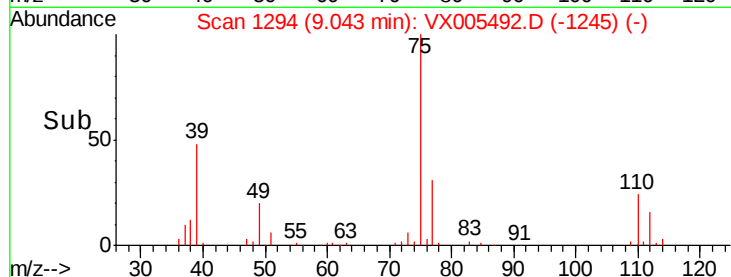
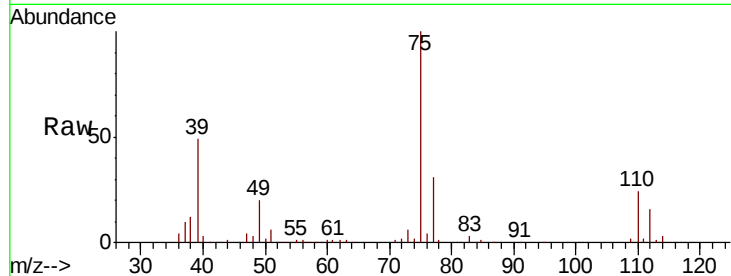
#53
 t-1,3-Dichloropropene
 Concen: 19.398 ug/l
 RT: 9.04 min Scan# 1294
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion: 75 Resp: 54405
 Ion Ratio Lower Upper
 75 100
 77 31.3 24.6 37.0

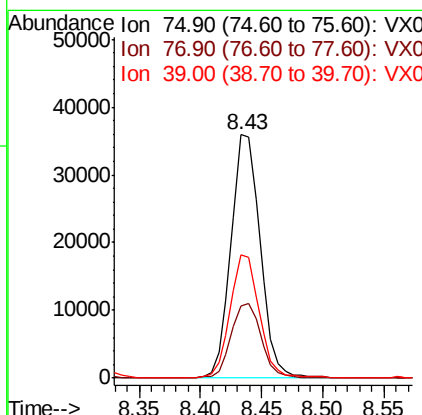
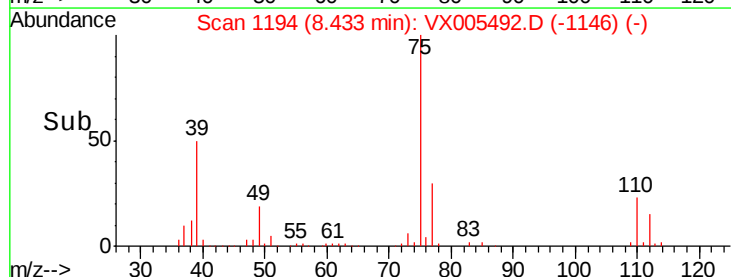
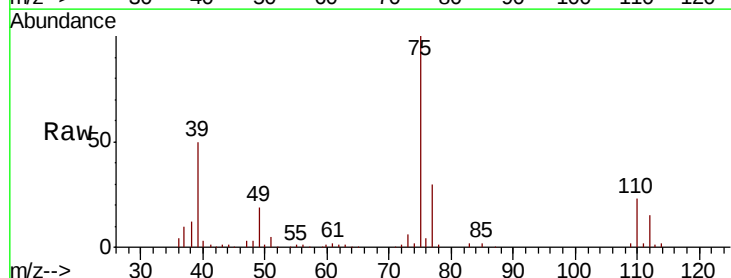
Manual Integrations
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#54
 cis-1,3-Dichloropropene
 Concen: 19.545 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.01 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion: 75 Resp: 59396
 Ion Ratio Lower Upper
 75 100
 77 29.6 26.2 39.2
 39 50.2 36.4 54.6





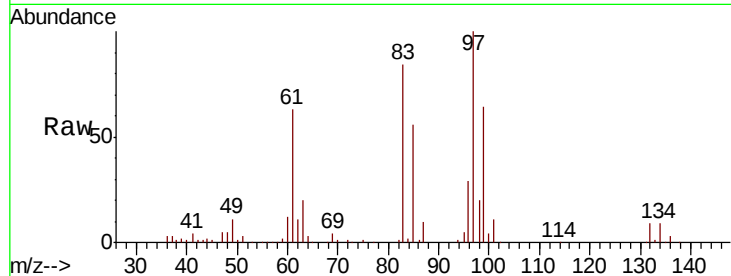
#55
 1,1,2-Trichloroethane
 Concen: 20.694 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion:	97	Resp:	41499
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.4	99.6
85	55.5	43.3	64.9
99	64.0	49.0	73.4

Manual Integrations
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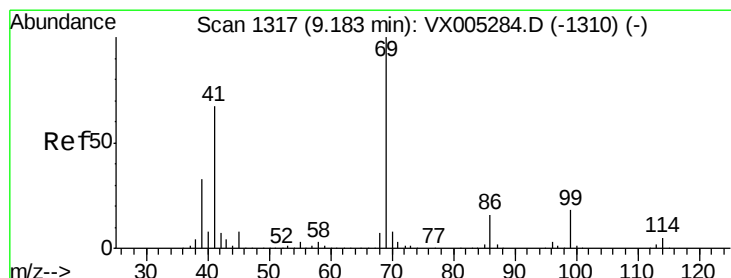
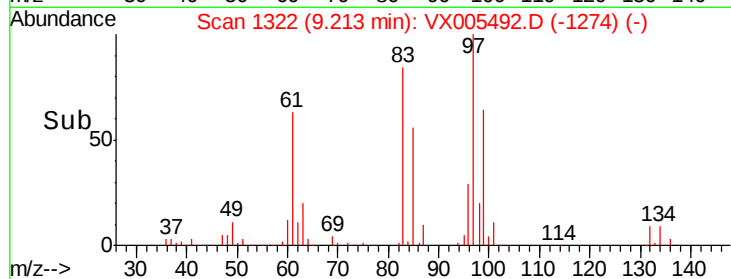
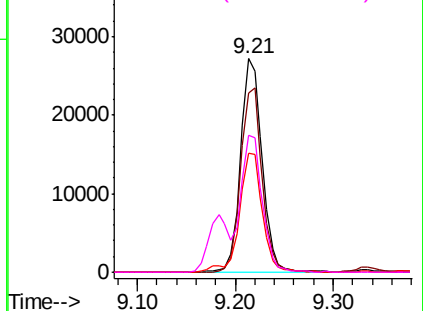
Abundance

Ion 96.90 (96.60 to 97.60): VX0

Ion 82.90 (82.60 to 83.60): VX0

Ion 84.90 (84.60 to 85.60): VX0

Ion 98.90 (98.60 to 99.60): VX0



#56
 Ethyl methacrylate
 Concen: 20.461 ug/l
 RT: 9.18 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

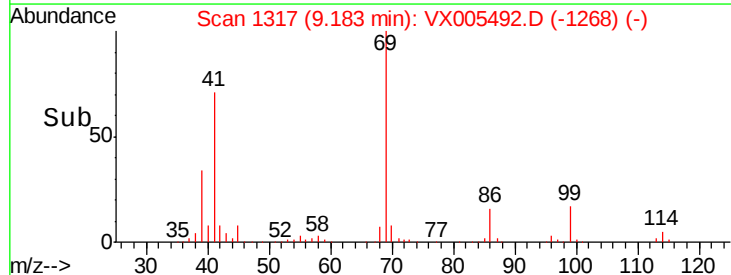
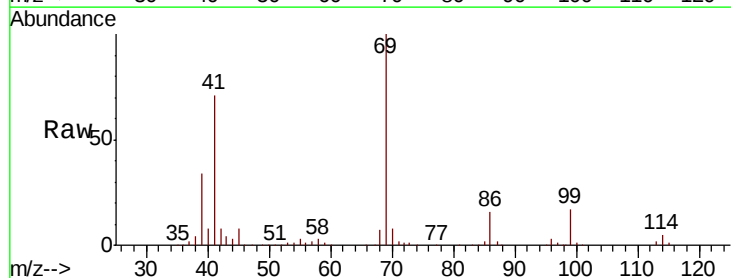
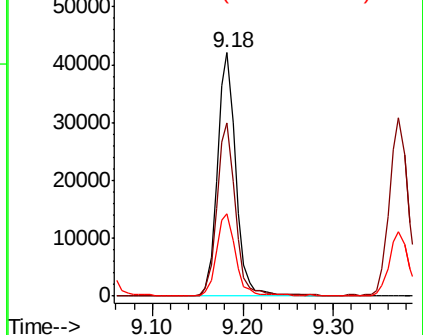
Tgt Ion:	69	Resp:	59814
Ion	Ratio	Lower	Upper
69	100		
41	70.5	51.0	76.4
39	34.5	26.1	39.1

Abundance

Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0





#57

1,3-Dichloropropane

Concen: 20.489 ug/l

RT: 9.37 min Scan# 1348

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 76 Resp: 68579

Ion Ratio Lower Upper

76 100

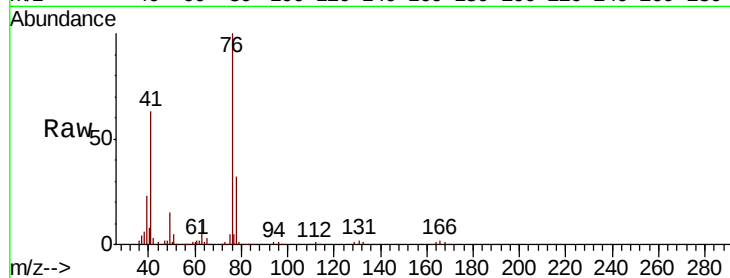
78 32.8 25.5 38.3

Manual Integrations

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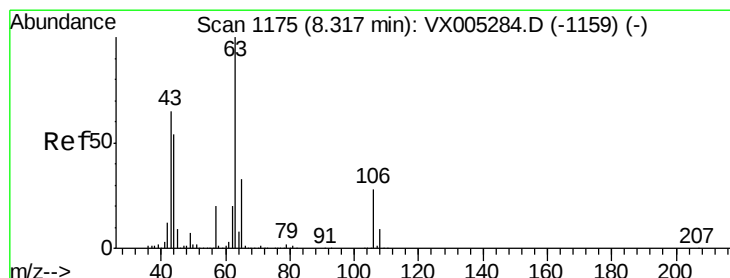
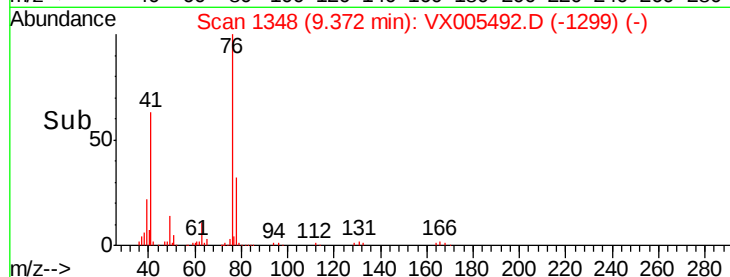
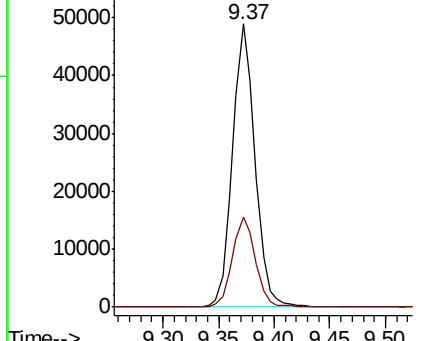
MMDadoda

10/23/2018 1:28:09 PM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 109.658 ug/l

RT: 8.32 min Scan# 1175

Delta R.T. 0.00 min

Lab File: VX005492.D

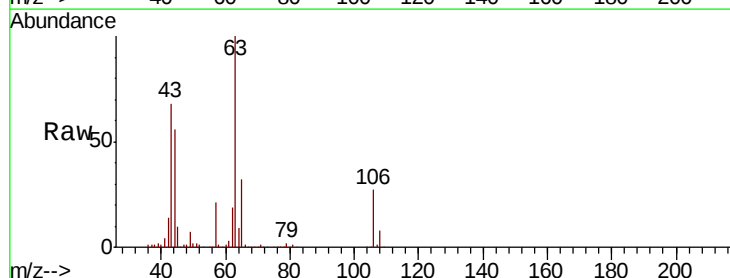
Acq: 23 Oct 2018 01:53

Tgt Ion: 63 Resp: 179782

Ion Ratio Lower Upper

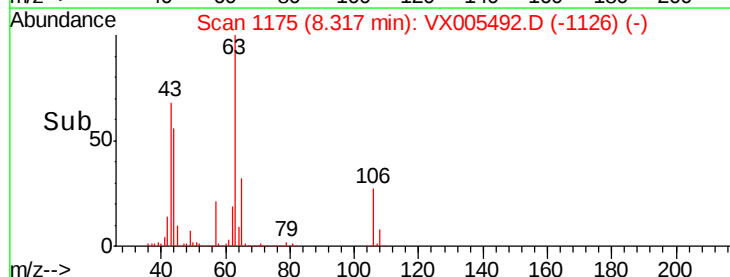
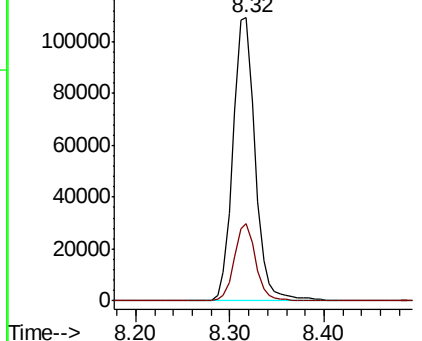
63 100

106 26.5 23.9 35.9



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





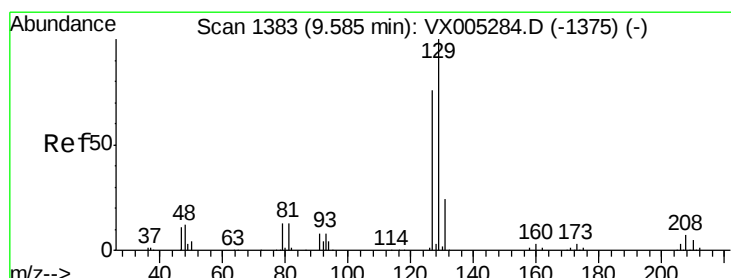
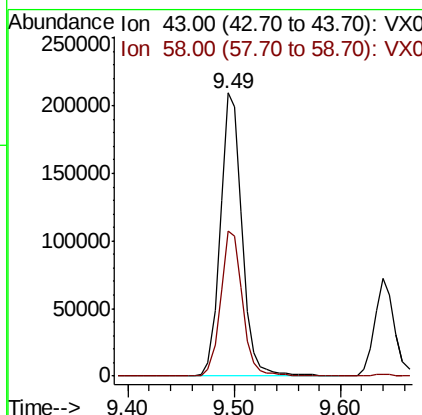
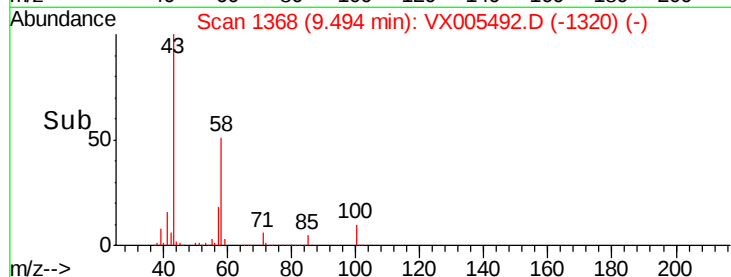
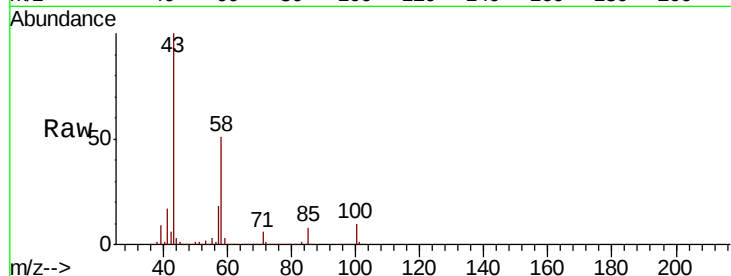
#59
2-Hexanone
Concen: 107.925 ug/l
RT: 9.49 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion: 43 Resp: 297078
Ion Ratio Lower Upper
43 100
58 51.7 29.0 87.0

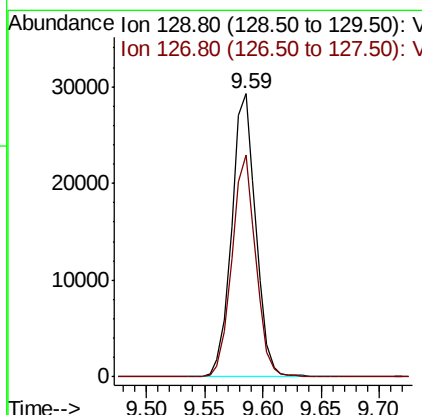
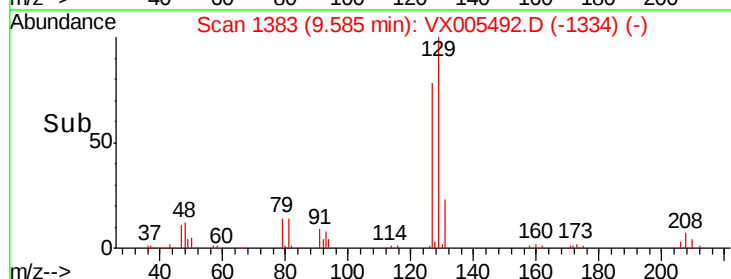
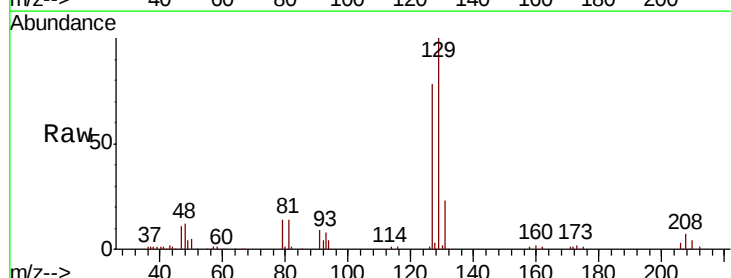
Manual Integrations
APPROVED

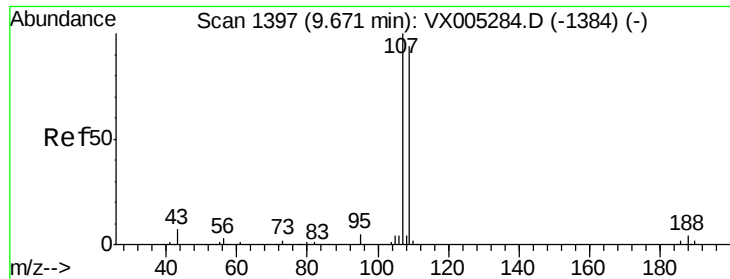
MMDadoda
10/23/2018 1:28:09 PM



#60
Dibromochloromethane
Concen: 20.389 ug/l
RT: 9.59 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion:129 Resp: 42263
Ion Ratio Lower Upper
129 100
127 77.2 38.5 115.5





#61

1,2-Dibromoethane

Concen: 20.299 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion:107 Resp: 42720

Ion Ratio Lower Upper

107 100

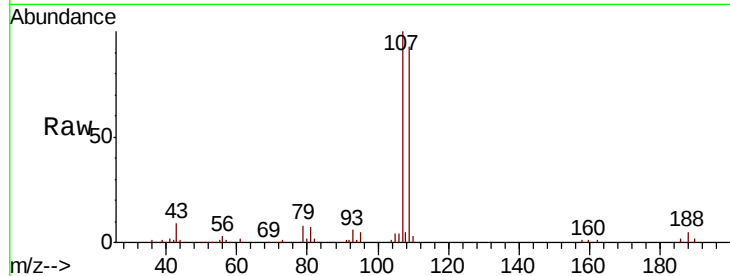
109 94.2 76.0 114.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

30000

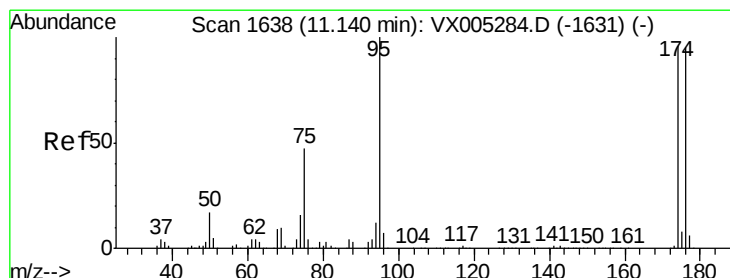
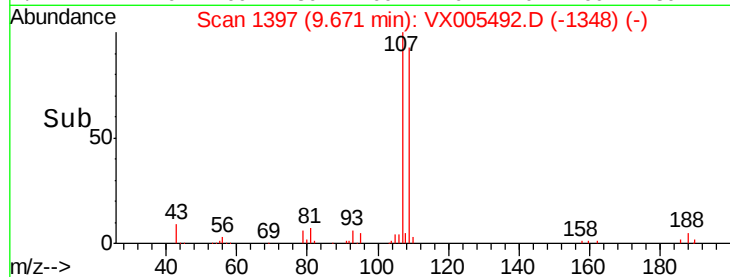
20000

10000

0

9.60 9.70 9.80

Time-->



#62

4-Bromofluorobenzene

Concen: 52.470 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

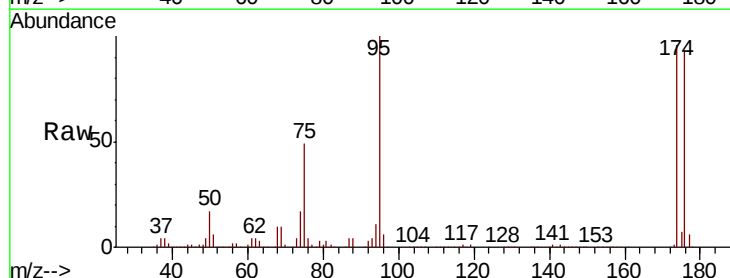
Tgt Ion: 95 Resp: 133502

Ion Ratio Lower Upper

95 100

174 92.1 0.0 185.2

176 89.0 0.0 178.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

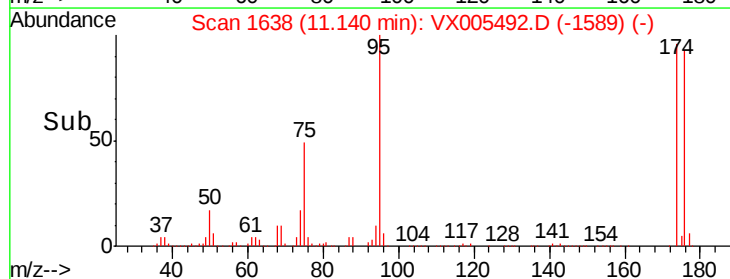
100000

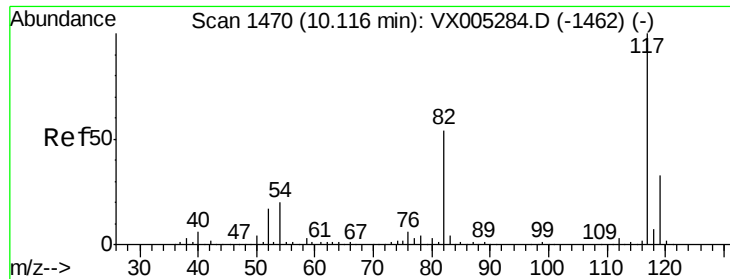
50000

0

11.10 11.20

Time-->





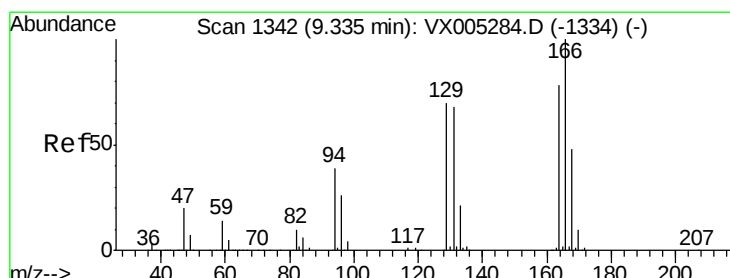
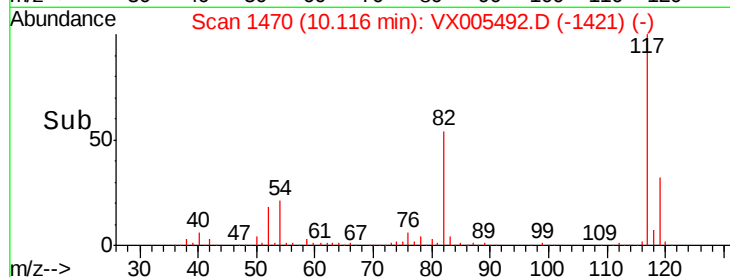
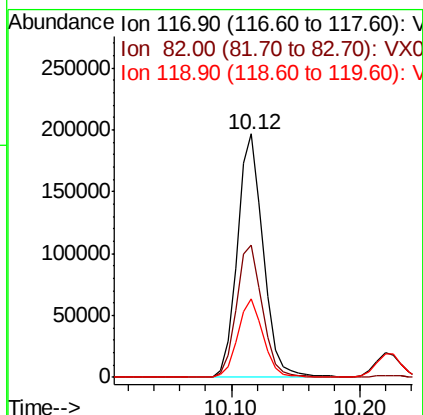
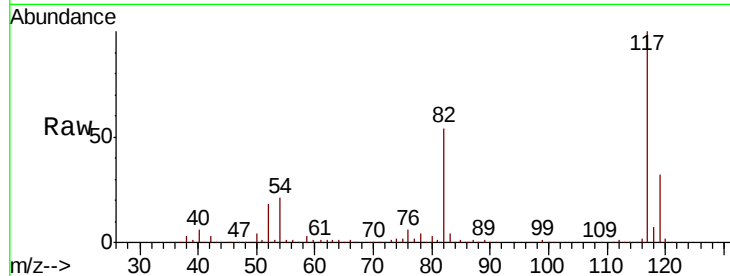
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	47.8	71.6
119	32.2	29.3	43.9

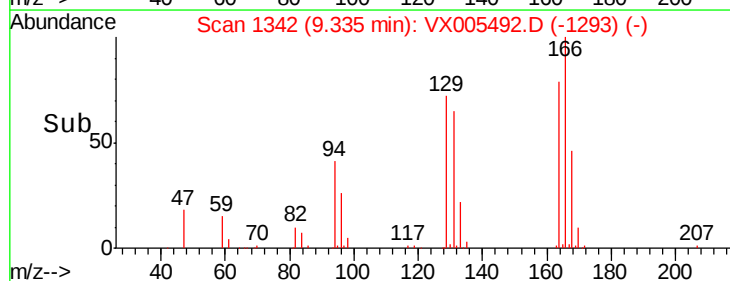
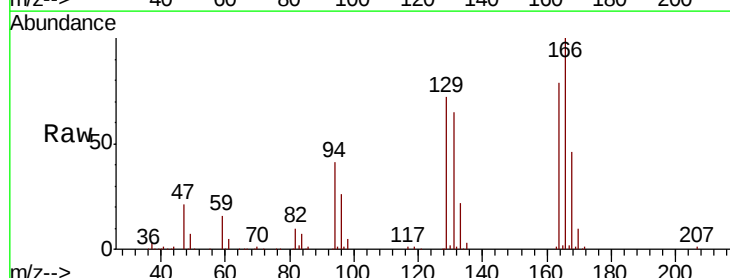
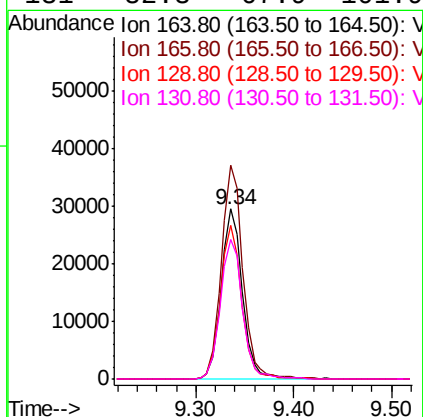
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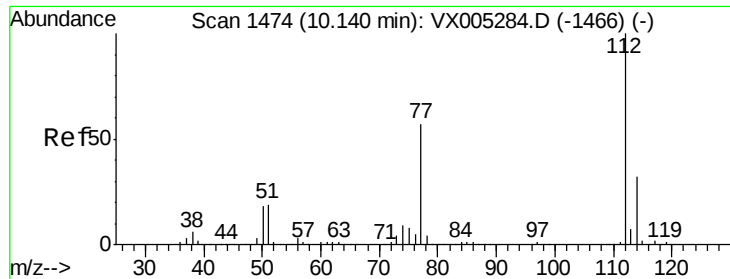
MMDadoda
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#64
Tetrachloroethene
Concen: 20.332 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	102.8	154.2
129	90.9	69.4	104.0
131	82.3	67.9	101.9





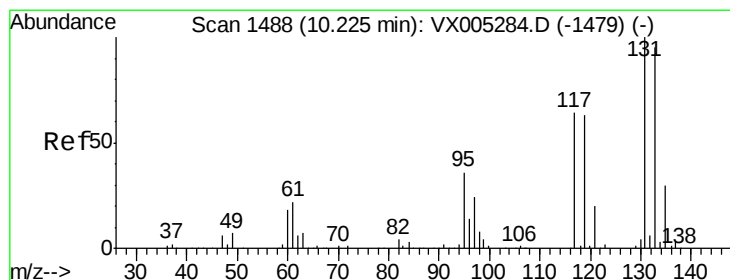
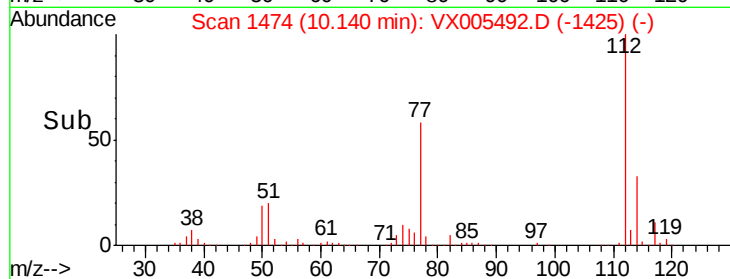
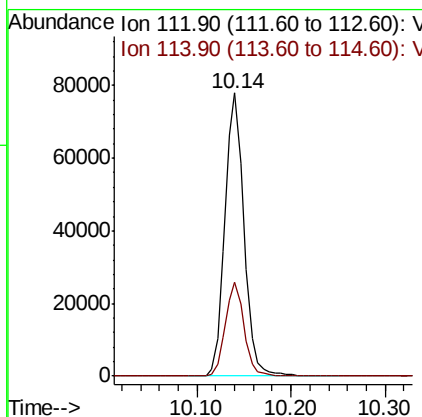
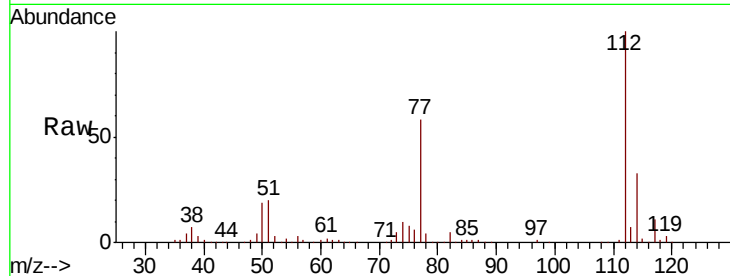
#65
Chlorobenzene
Concen: 18.959 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion:112 Resp: 109946
Ion Ratio Lower Upper
112 100
114 33.3 27.8 41.8

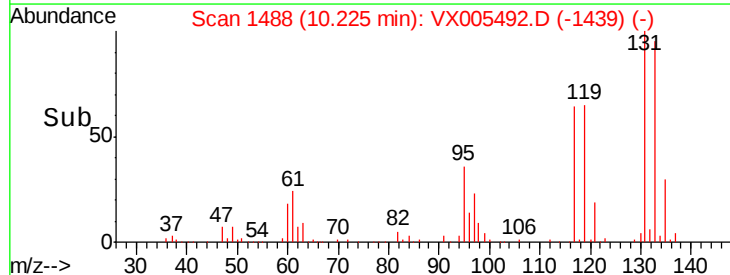
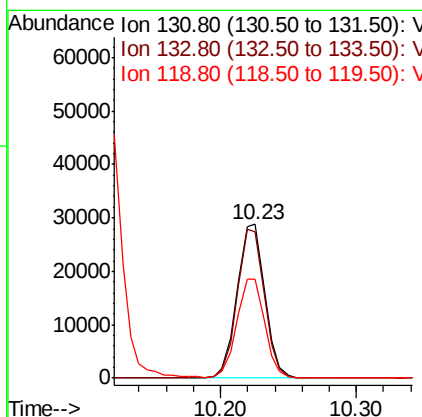
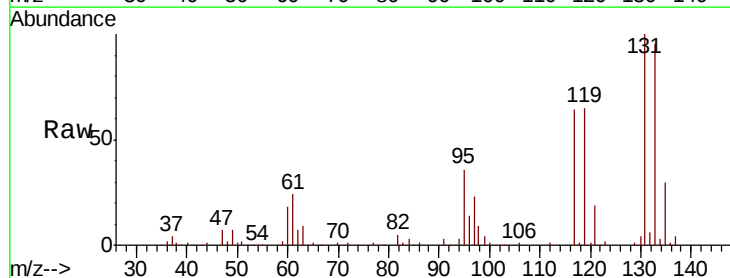
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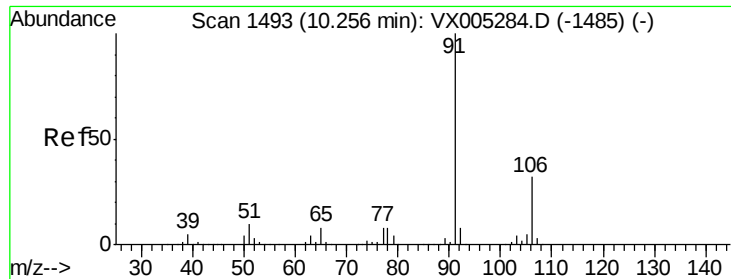
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.728 ug/l
RT: 10.23 min Scan# 1488
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion:131 Resp: 40768
Ion Ratio Lower Upper
131 100
133 95.2 48.1 144.4
119 65.3 32.9 98.6





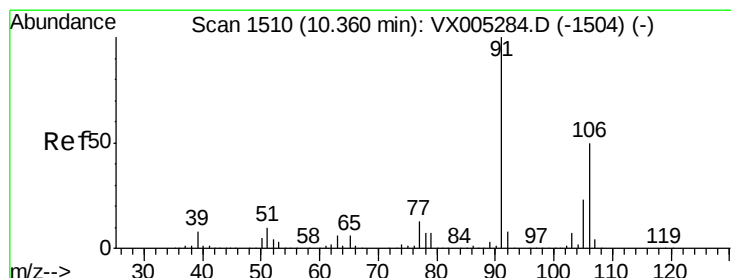
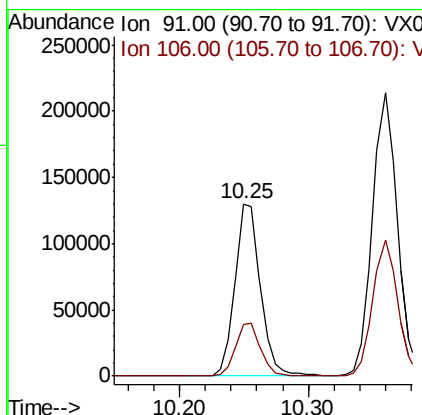
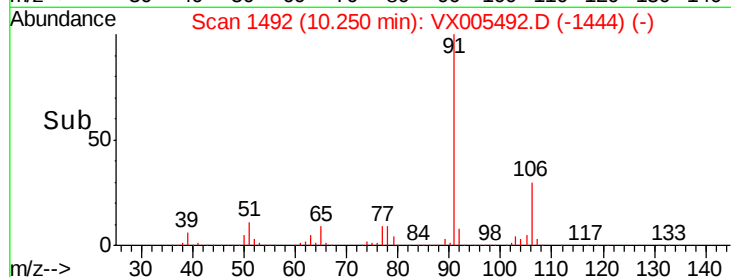
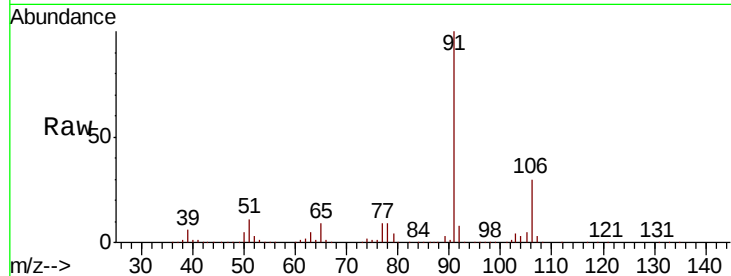
#67
Ethyl Benzene
Concen: 19.100 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.01 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion: 91 Resp: 180061
Ion Ratio Lower Upper
91 100
106 30.0 25.9 38.9

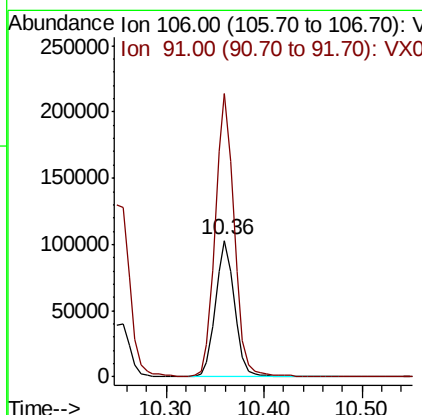
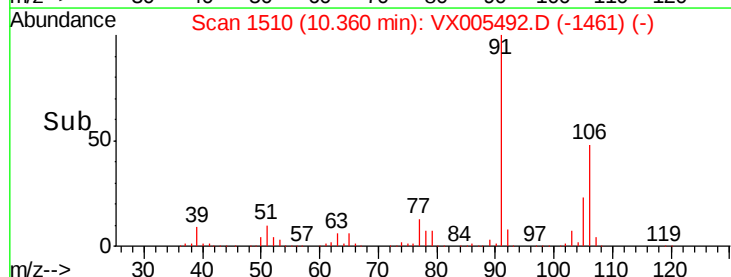
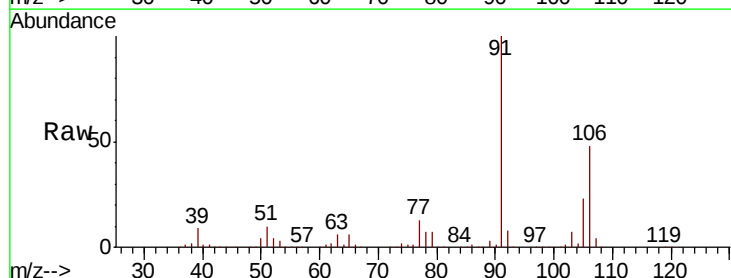
Manual Integrations
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#68
m/p-Xylenes
Concen: 37.931 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion: 106 Resp: 138792
Ion Ratio Lower Upper
106 100
91 208.7 157.1 235.7





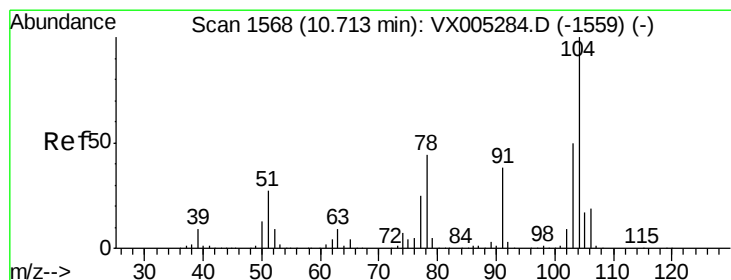
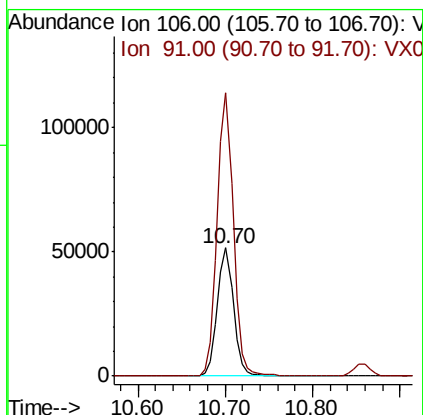
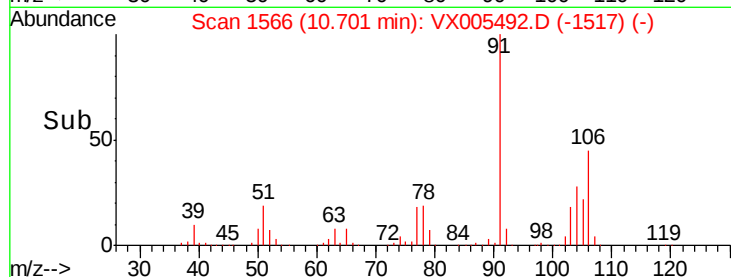
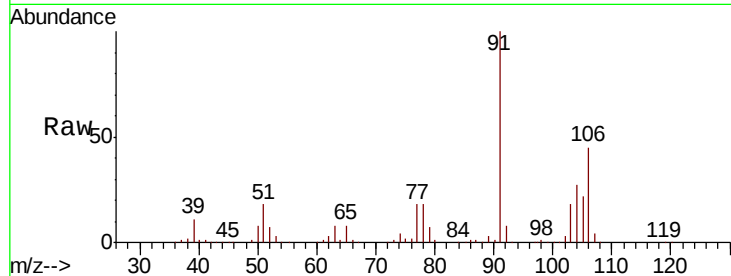
#69
o-Xylene
Concen: 18.816 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion:106 Resp: 66401
Ion Ratio Lower Upper
106 100
91 219.7 105.1 315.1

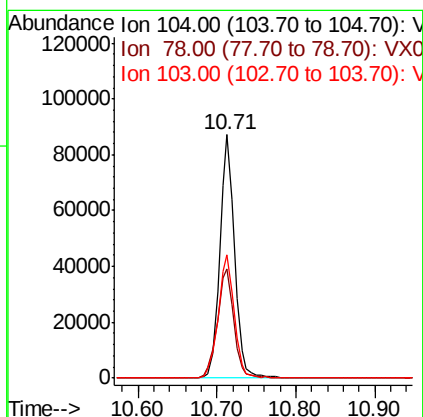
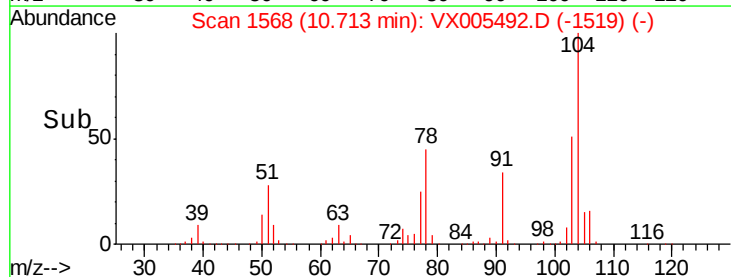
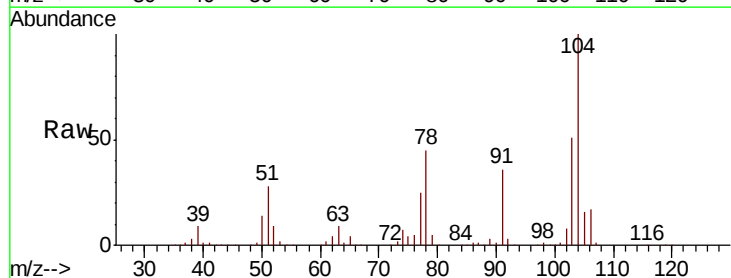
Manual Integrations
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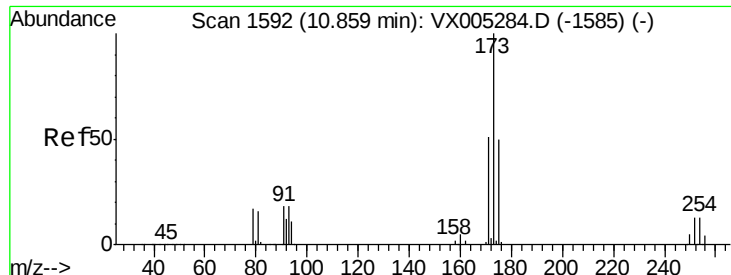
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#70
Styrene
Concen: 19.623 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion:104 Resp: 113898
Ion Ratio Lower Upper
104 100
78 50.4 37.4 56.0
103 55.4 43.8 65.6





#71

Bromoform

Concen: 18.796 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion:173 Resp: 34711

Ion Ratio Lower Upper

173 100

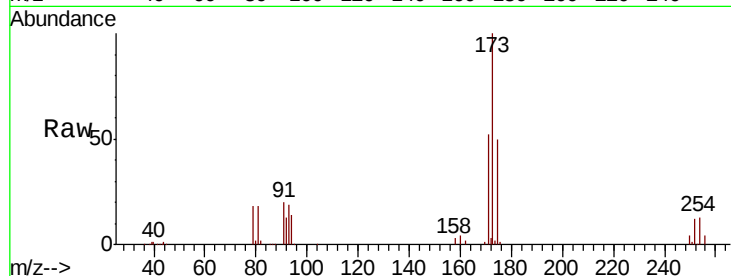
175 48.8 24.1 72.3

254 0.1 0.2 0.2#

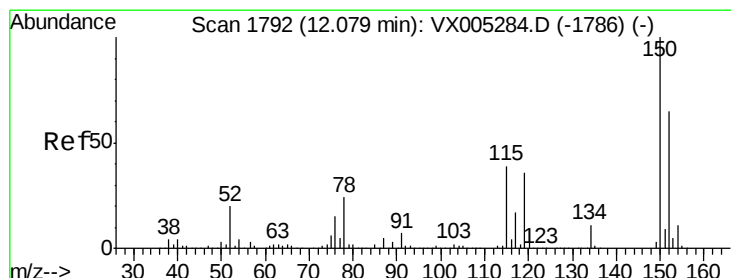
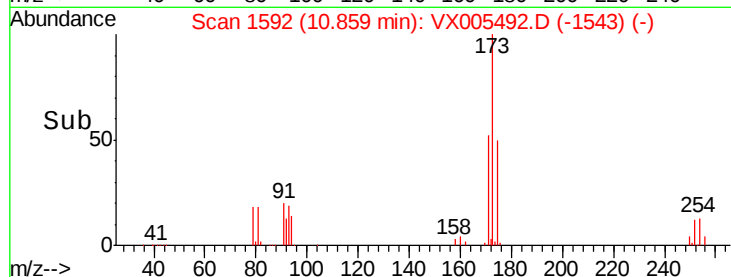
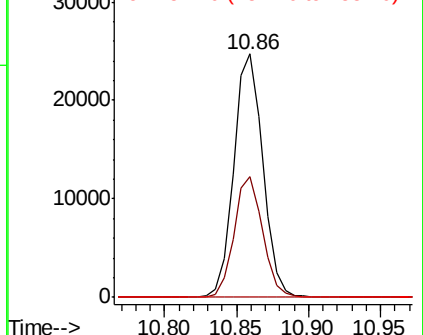
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

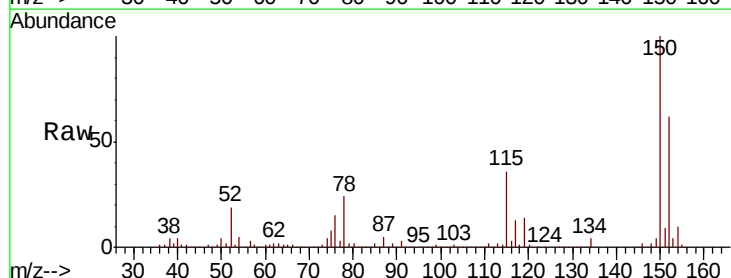
Tgt Ion:152 Resp: 150868

Ion Ratio Lower Upper

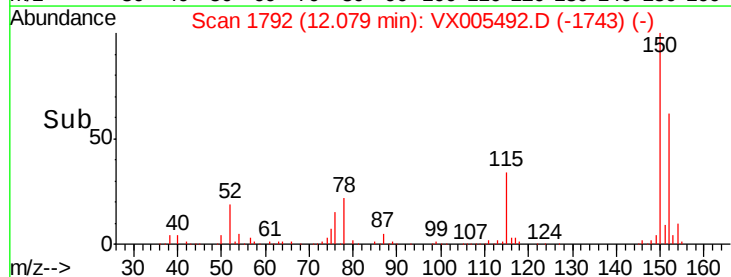
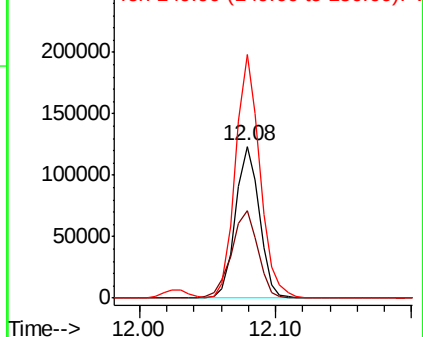
152 100

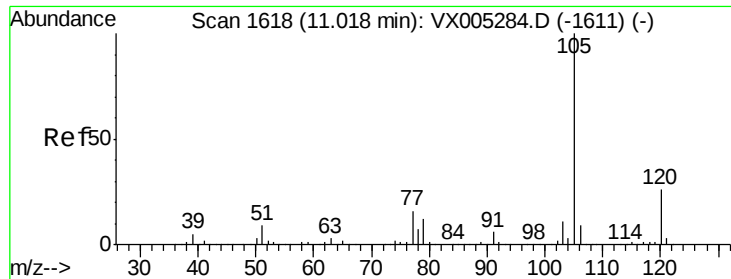
115 64.3 39.0 117.0

150 163.7 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





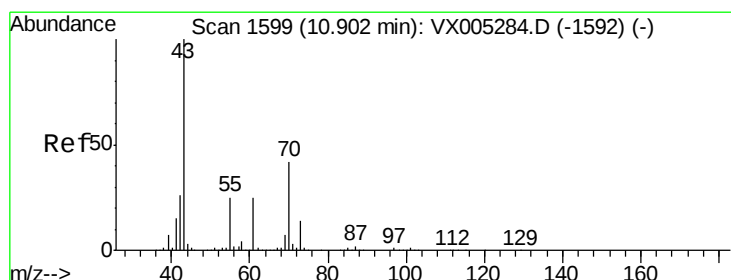
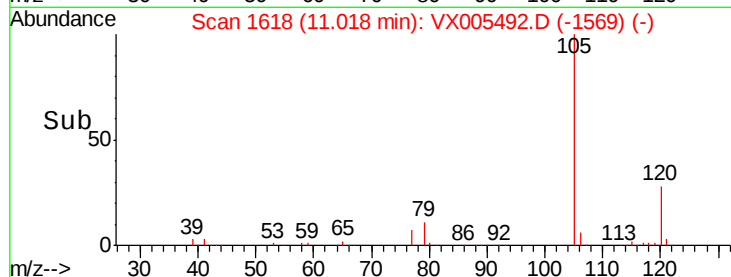
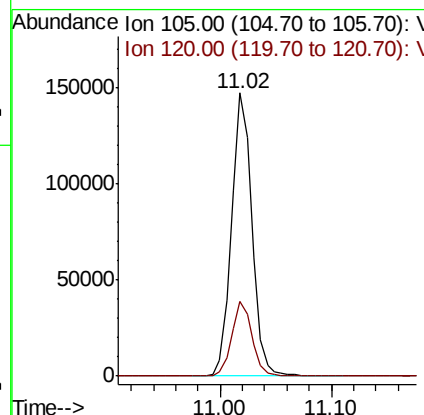
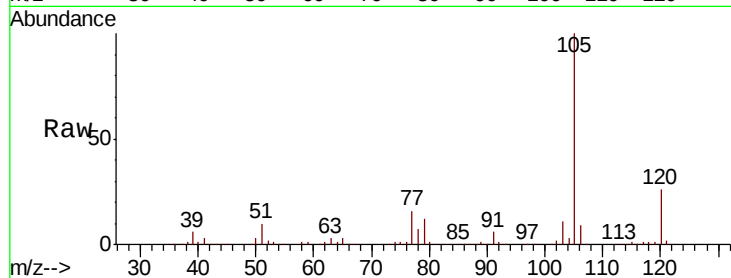
#73
Isopropylbenzene
Concen: 20.817 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion: 105 Resp: 186702
Ion Ratio Lower Upper
105 100
120 26.1 13.5 40.4

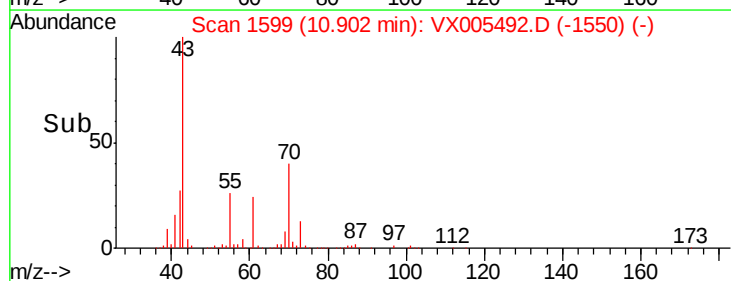
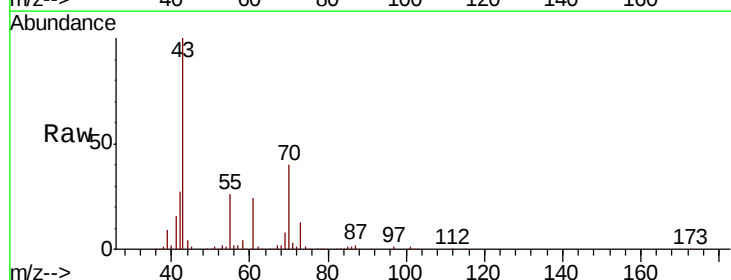
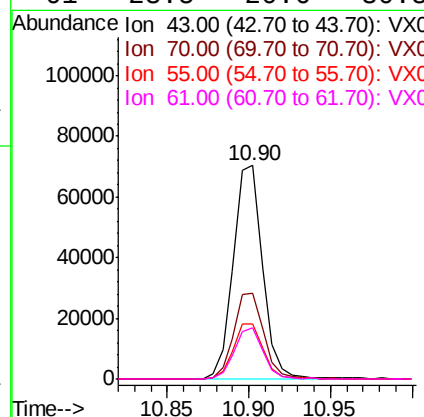
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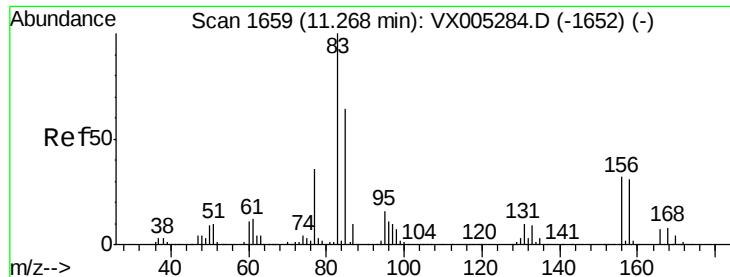
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#74
N-ethyl acetate
Concen: 20.455 ug/l
RT: 10.90 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion: 43 Resp: 88483
Ion Ratio Lower Upper
43 100
70 41.1 37.4 56.0
55 26.7 21.8 32.8
61 23.5 20.6 30.8





#75

1,1,2,2-Tetrachloroethane

Concen: 20.122 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

ClientSampleId :

VX1022WBS02

Tot Ion: 83 Resp: 68078

Ion Ratio Lower Upper

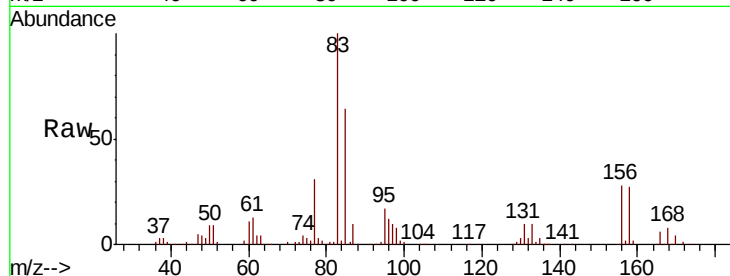
83 100

131 10.5 5.2 15.6

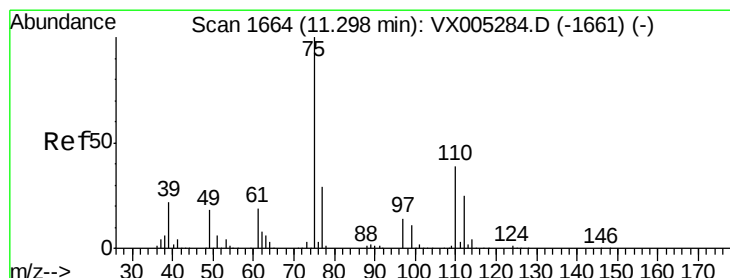
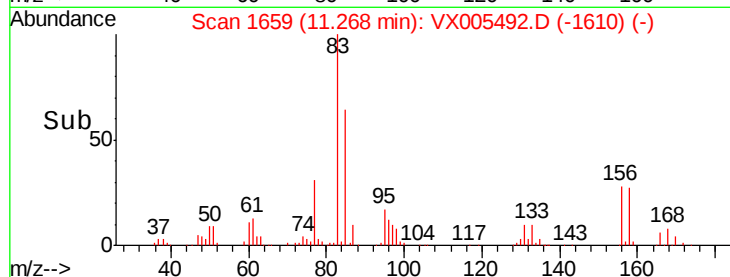
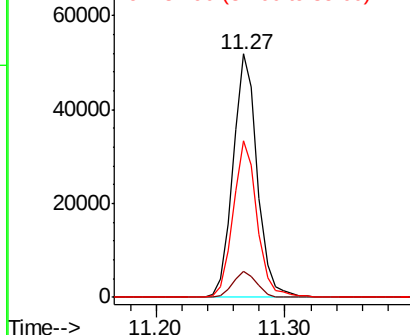
85 63.9 32.3 96.8

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Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.942 ug/l m

RT: 11.30 min Scan# 1664

Delta R.T. 0.00 min

Lab File: VX005492.D

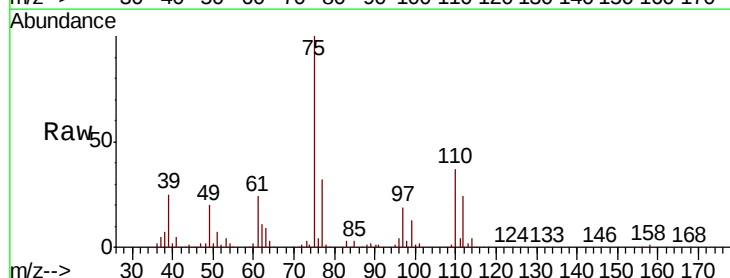
Acq: 23 Oct 2018 01:53

Tgt Ion: 75 Resp: 64211

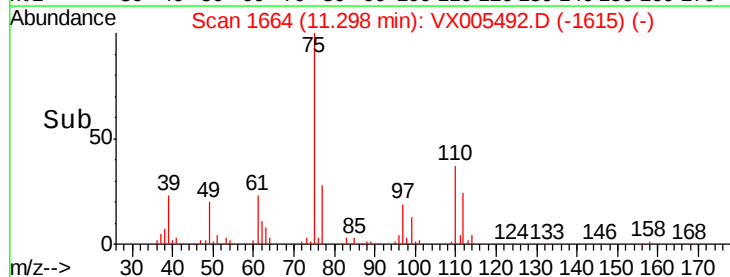
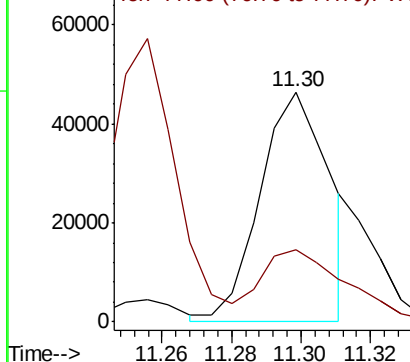
Ion Ratio Lower Upper

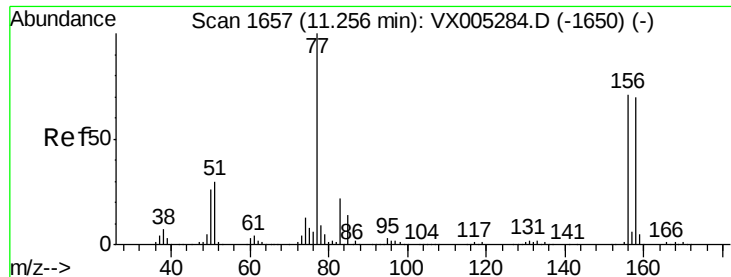
75 100

77 38.7 20.2 60.6



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 19.873 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

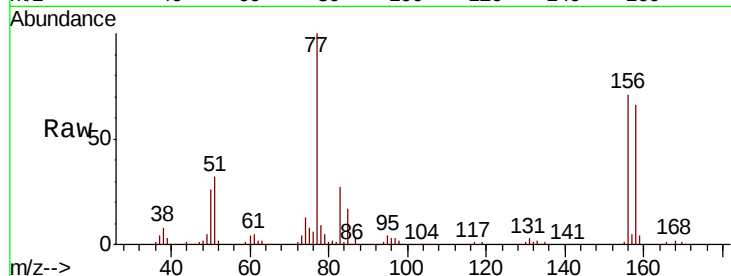
ClientSampleId :

VX1022WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.4	71.5	214.3
158	95.9	48.9	146.8

Manual Integrations
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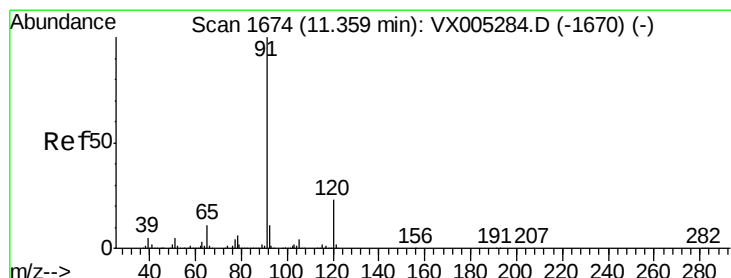
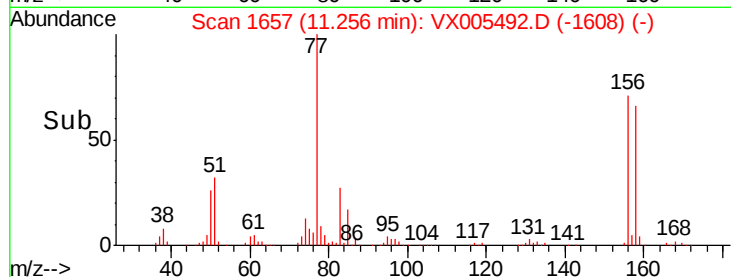
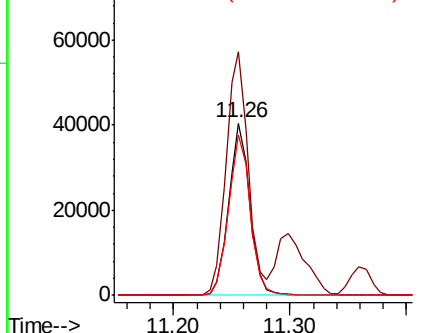


Abundance

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: 20.700 ug/l

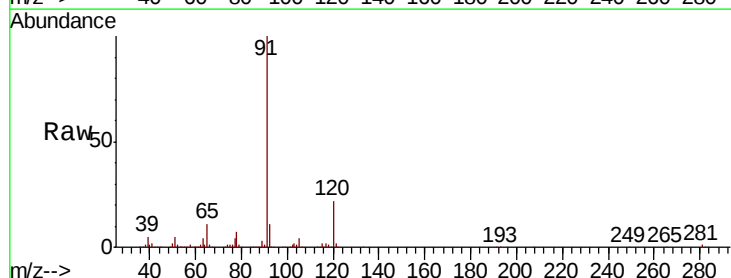
RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

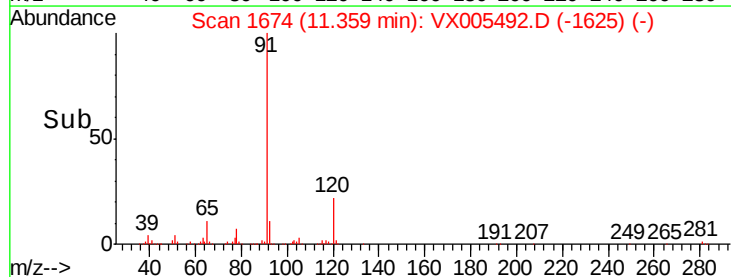
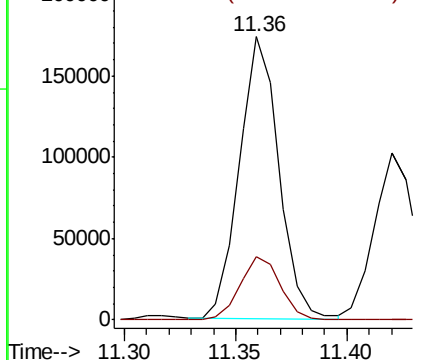
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.9	35.9



Abundance

Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





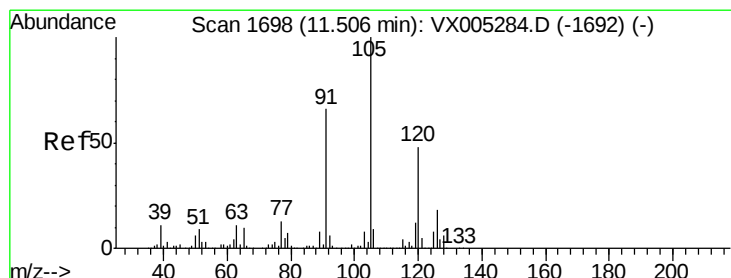
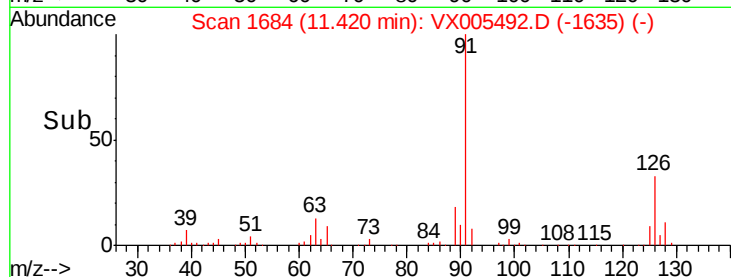
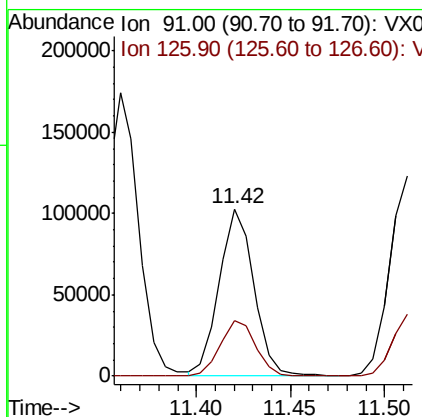
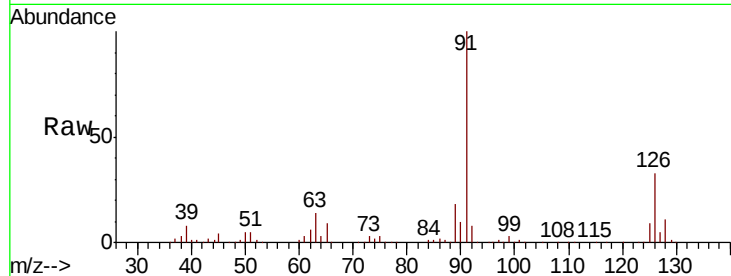
#79
 2-Chlorotoluene
 Concen: 20.574 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion: 91 Resp: 130042
 Ion Ratio Lower Upper
 91 100
 126 34.7 17.9 53.7

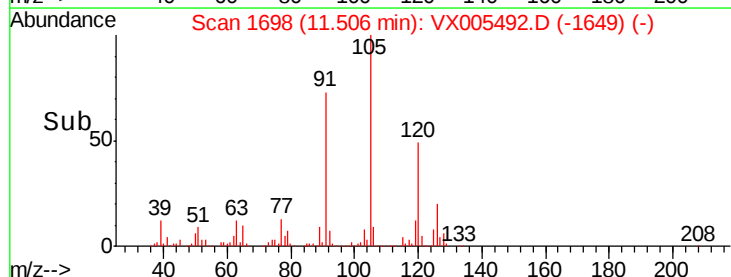
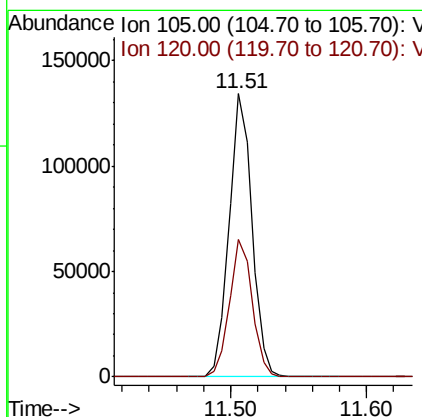
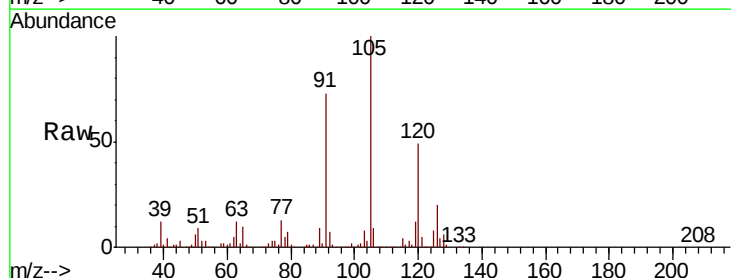
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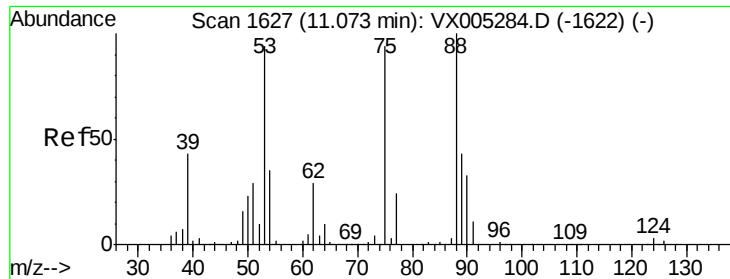
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.486 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion: 105 Resp: 157341
 Ion Ratio Lower Upper
 105 100
 120 48.7 25.6 76.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.773 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

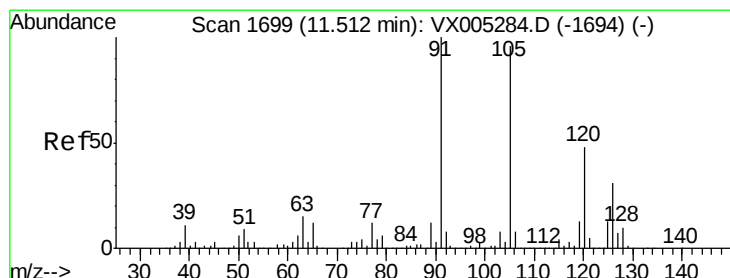
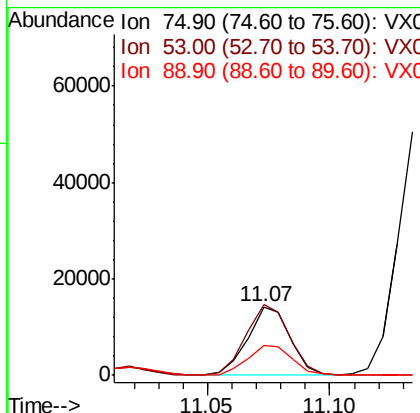
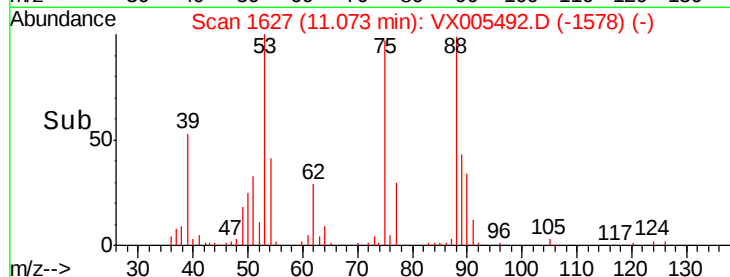
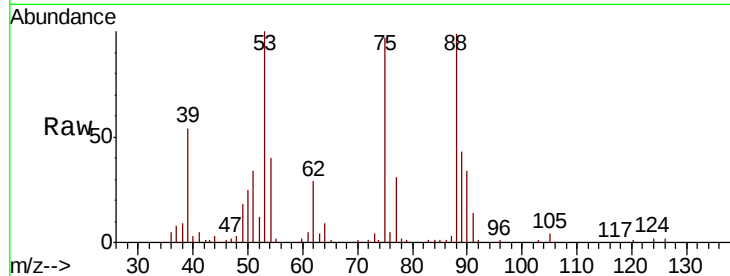
ClientSampleId :

VX1022WBS02

Tot Ion:	75	Resp:	17117
Ion Ratio	Lower	Upper	
75	100		
53	106.0	80.1	120.1
89	47.4	37.2	55.8

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#82

4-Chlorotoluene

Concen: 20.507 ug/l

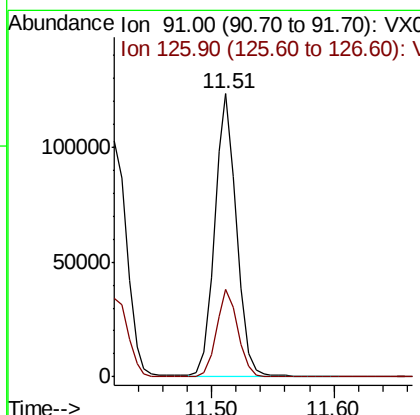
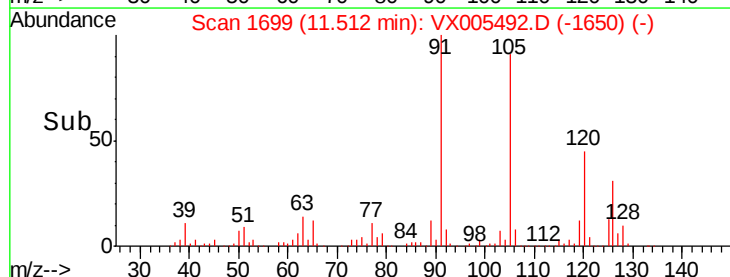
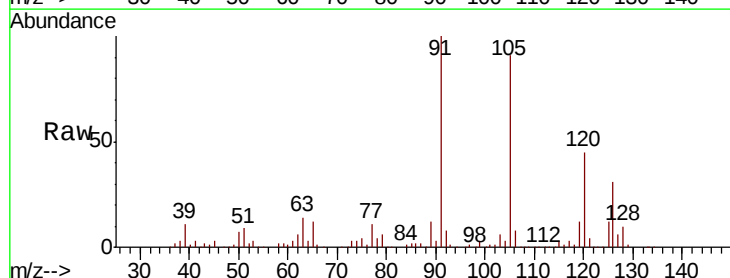
RT: 11.51 min Scan# 1699

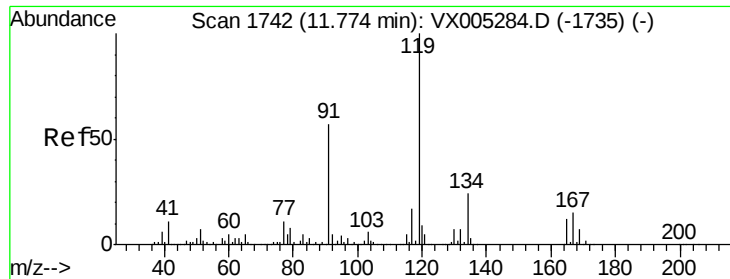
Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Tgt Ion:	91	Resp:	153650
Ion Ratio	Lower	Upper	
91	100		
126	30.3	15.5	46.5





#83

tert-Butylbenzene

Concen: 19.733 ug/l

RT: 11.77 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

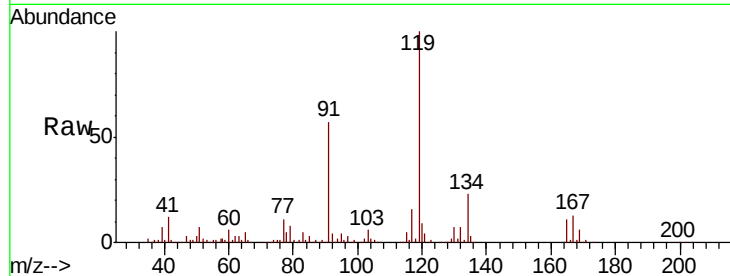
ClientSampleId :

VX1022WBS02

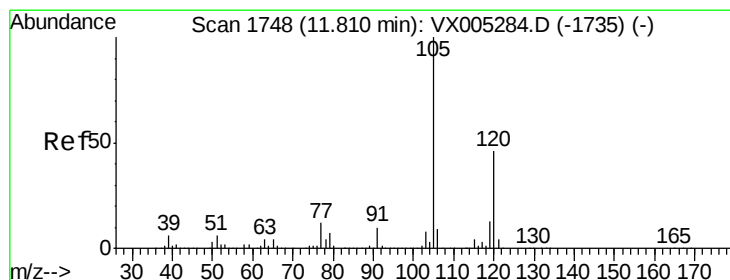
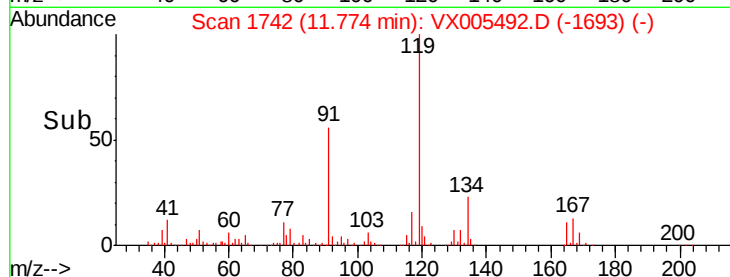
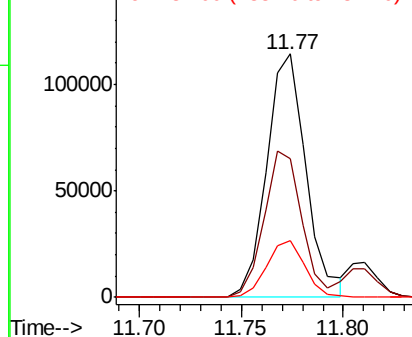
Tot Ion:	119	Resp:	153472
Ion Ratio	Lower	Upper	
119	100		
91	57.5	27.0	81.0
134	22.7	11.7	35.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 20.818 ug/l

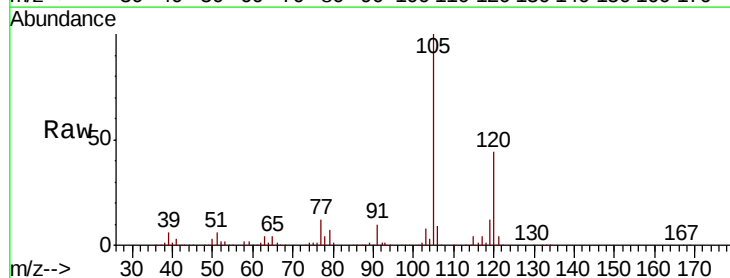
RT: 11.81 min Scan# 1748

Delta R.T. 0.00 min

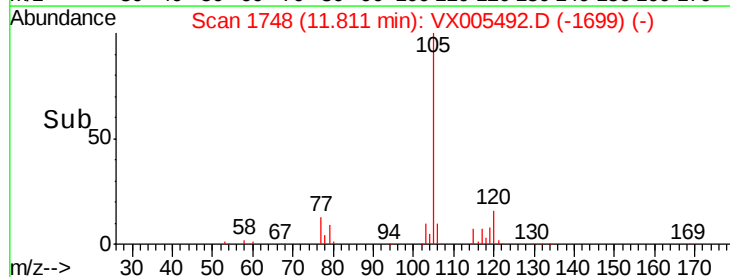
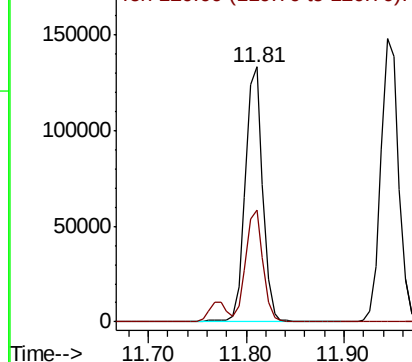
Lab File: VX005492.D

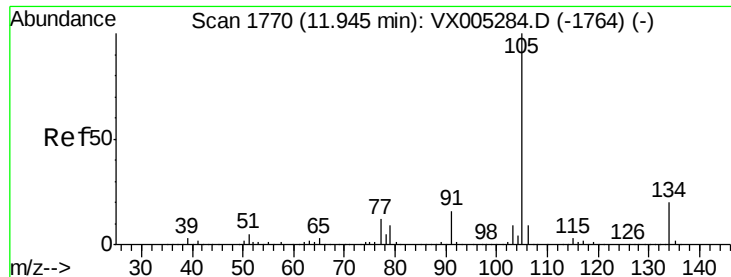
Acq: 23 Oct 2018 01:53

Tgt Ion:	105	Resp:	164540
Ion Ratio	Lower	Upper	
105	100		
120	43.5	23.2	69.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





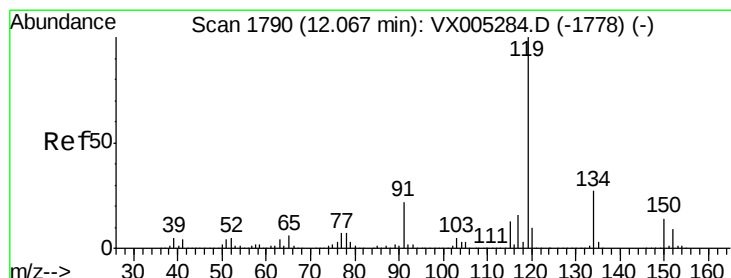
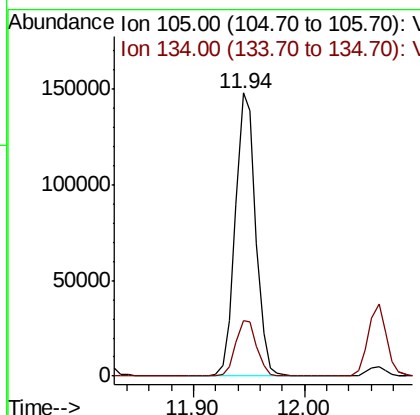
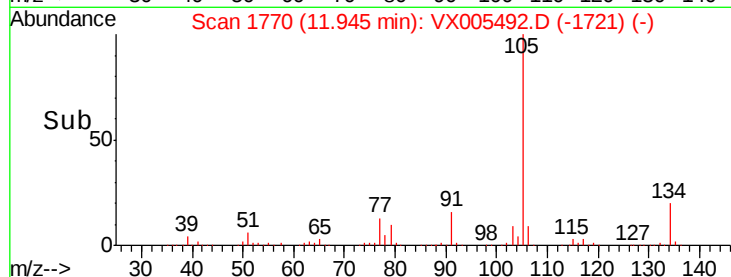
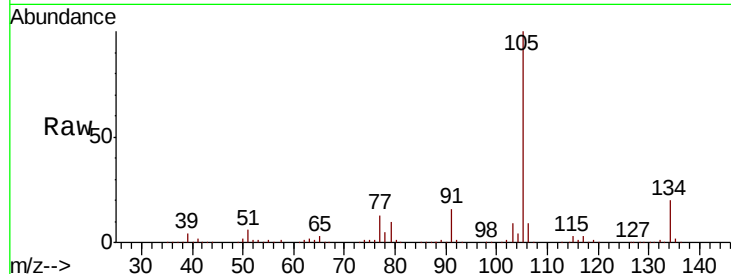
#85
 sec-Butylbenzene
 Concen: 20.332 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.5	31.5

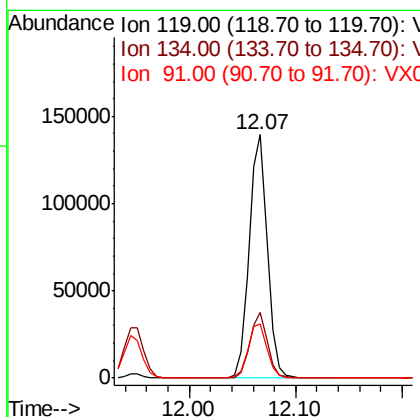
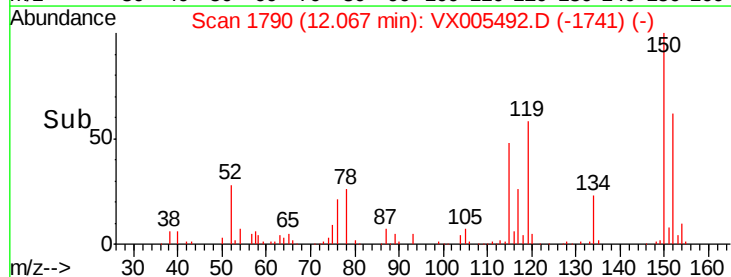
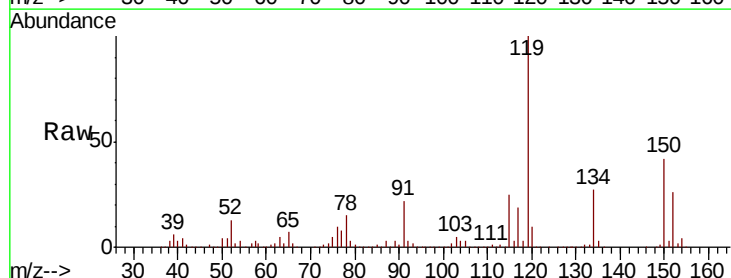
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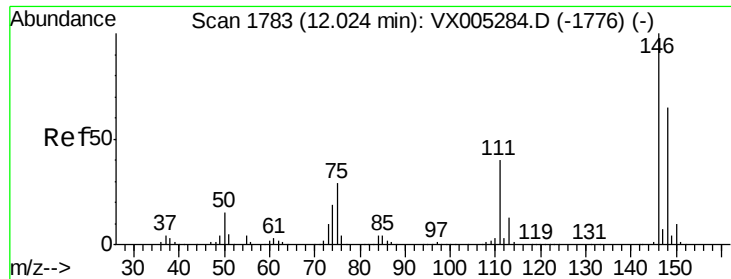
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#86
 p-Isopropyltoluene
 Concen: 20.107 ug/l
 RT: 12.07 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.4	40.2
91	23.4	10.9	32.7





#87

1,3-Dichlorobenzene

Concen: 19.395 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Instrument :

MSVOA_X

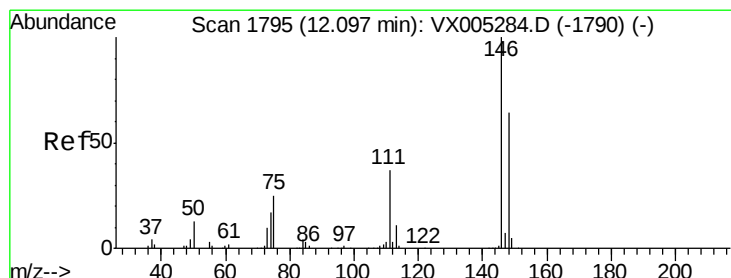
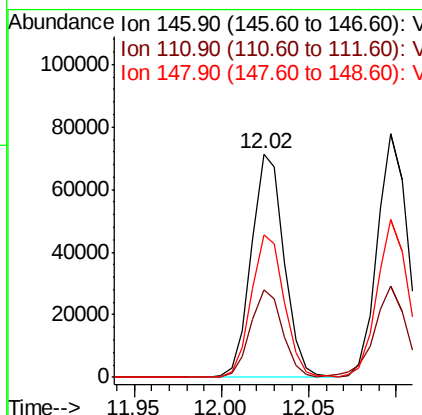
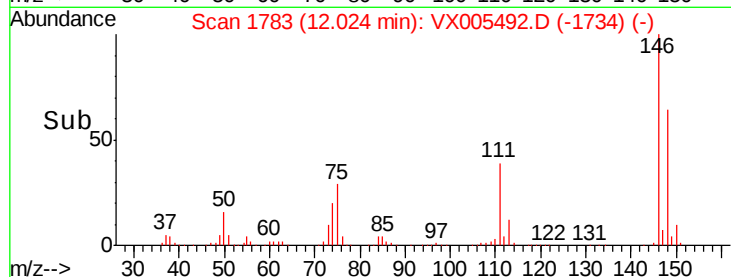
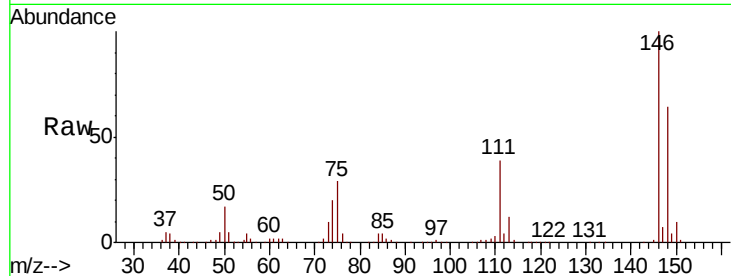
ClientSampleId :

VX1022WBS02

Tot Ion:	146	Resp:	92939
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.7	56.1
148	64.4	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 19.273 ug/l

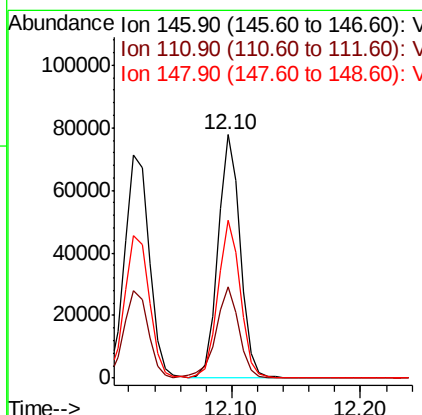
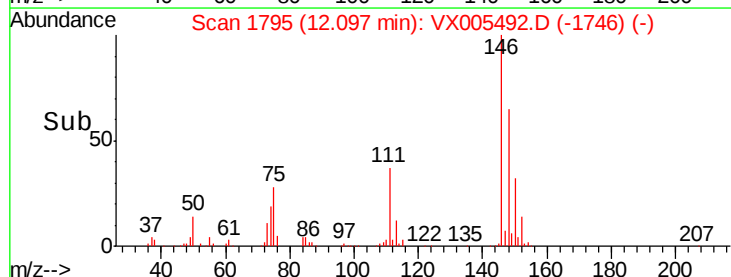
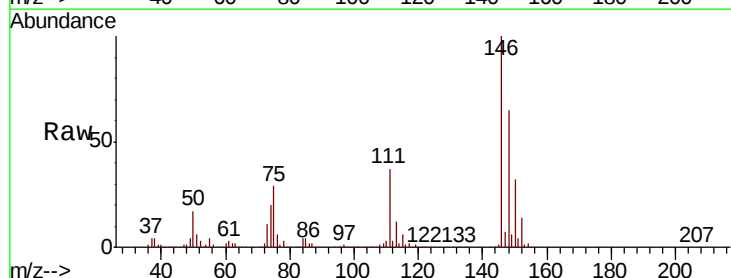
RT: 12.10 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VX005492.D

Acq: 23 Oct 2018 01:53

Tgt Ion:	146	Resp:	94480
Ion Ratio	Lower	Upper	
146	100		
111	39.0	18.1	54.1
148	65.6	32.0	96.0





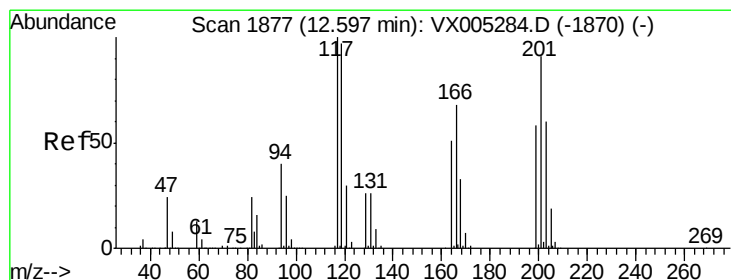
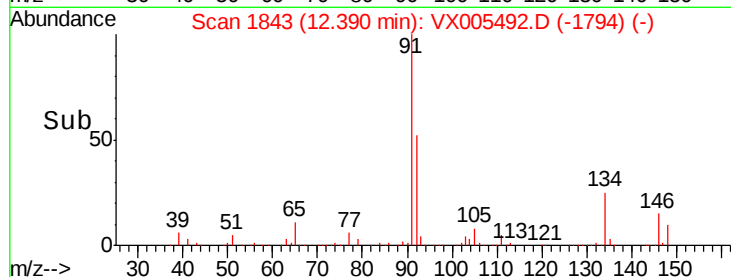
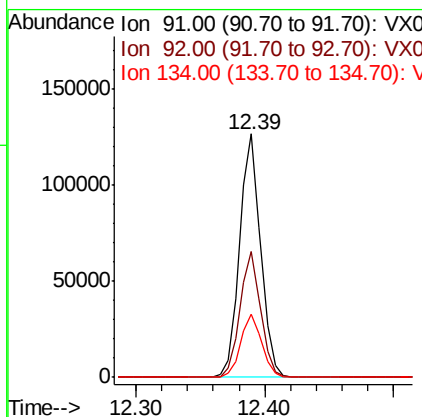
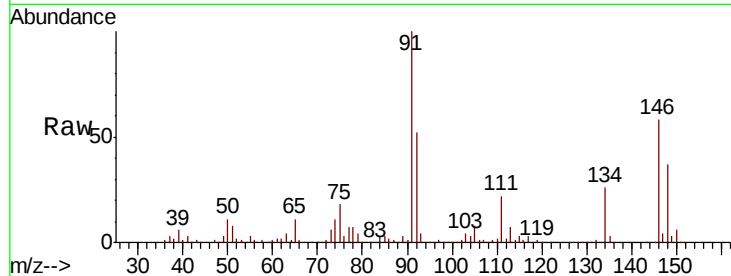
#89
n-Butylbenzene
Concen: 18.952 ug/l
RT: 12.39 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.0	27.3	81.9
134	25.9	13.6	40.7

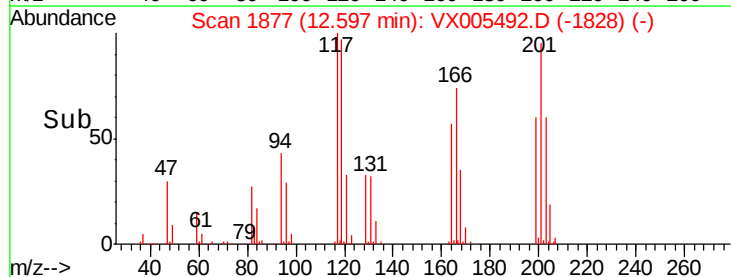
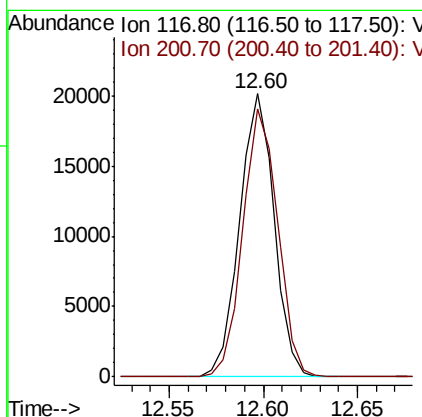
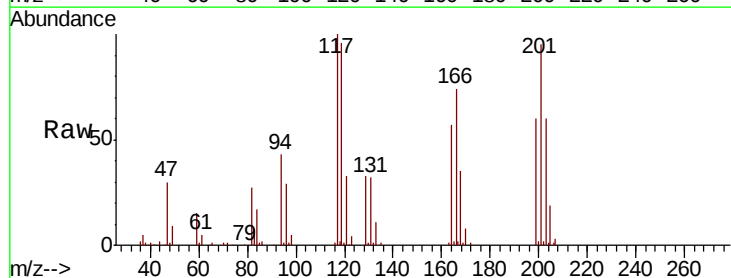
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#90
Hexachloroethane
Concen: 17.829 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.7	46.9	140.6





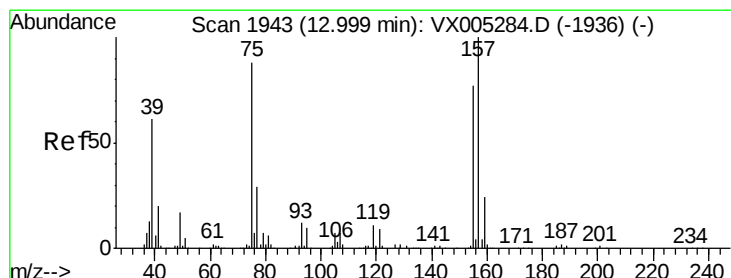
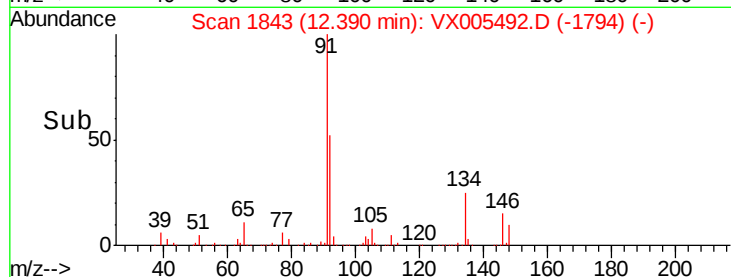
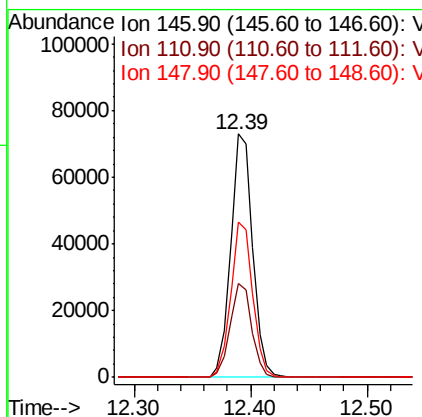
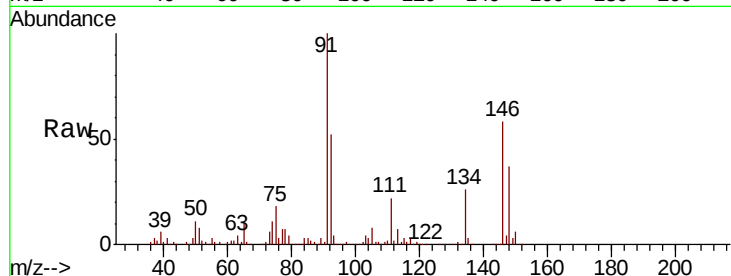
#91
 1,2-Dichlorobenzene
 Concen: 19.551 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	19.4	58.1
148	63.5	32.8	98.3

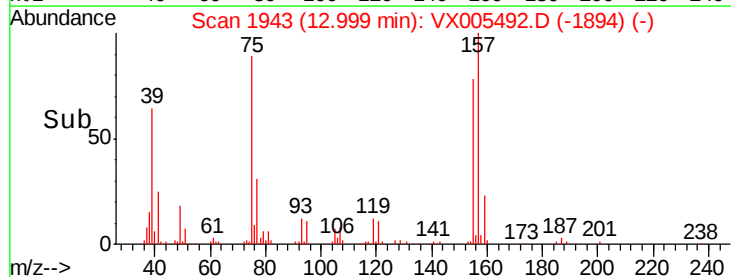
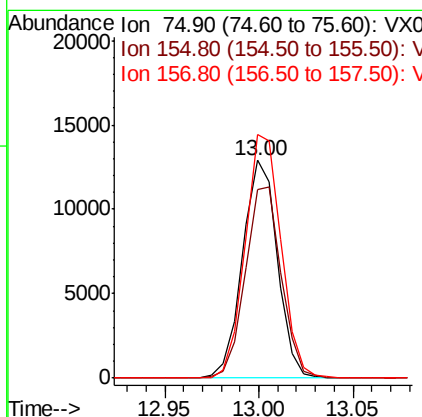
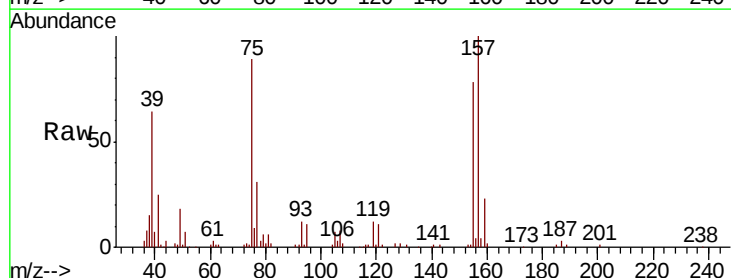
Manual Integrations
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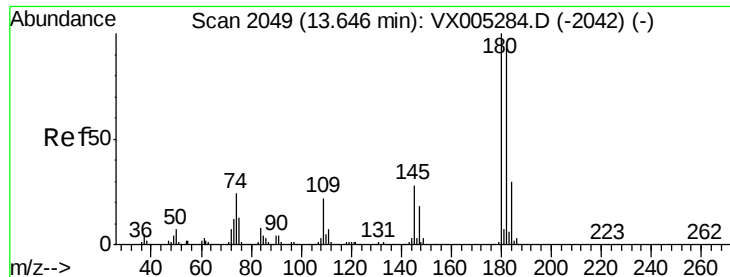
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.029 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.4	48.0	144.2
157	114.9	61.4	184.1





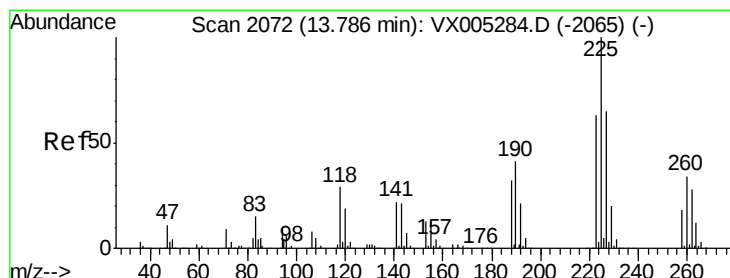
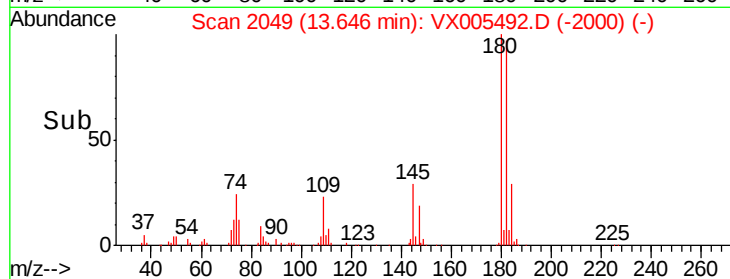
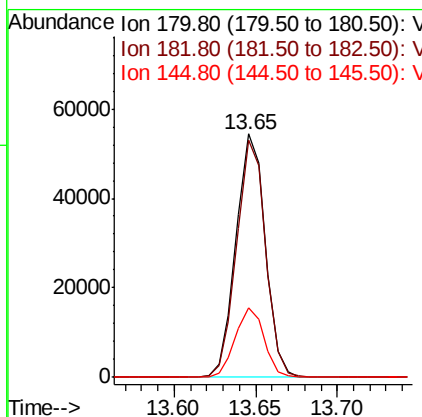
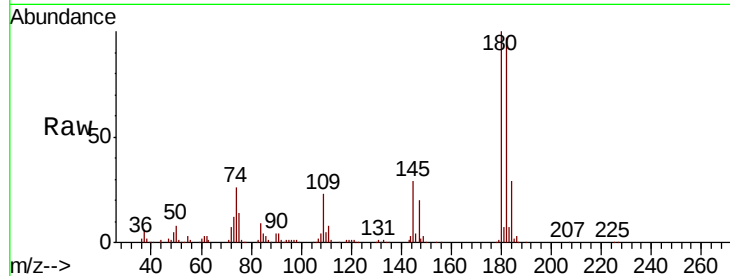
#93
 1,2,4-Trichlorobenzene
 Concen: 18.975 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1022WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	68075		
182	96.2		48.4	145.0
145	28.2		14.3	42.9

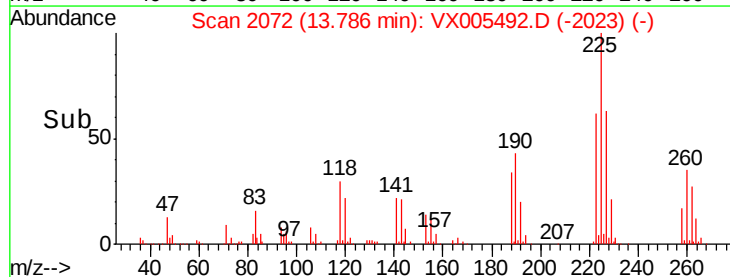
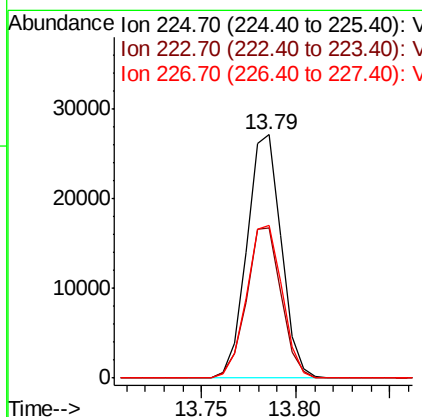
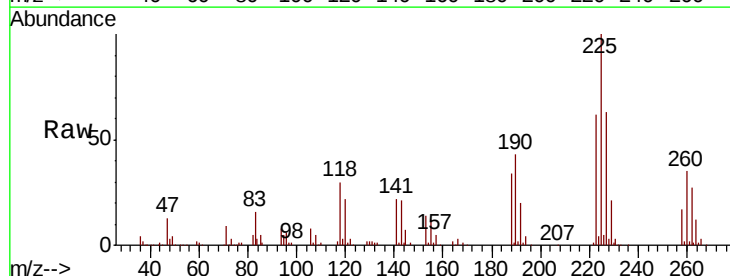
Manual Integrations
 APPROVED

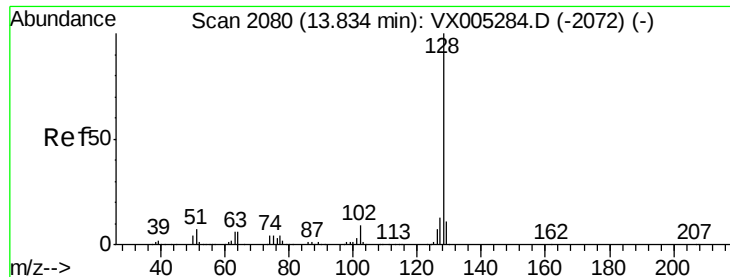
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 18.091 ug/l
 RT: 13.79 min Scan# 2072
 Delta R.T. 0.00 min
 Lab File: VX005492.D
 Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	34278		
223	62.5		30.1	90.5
227	64.5		30.8	92.4





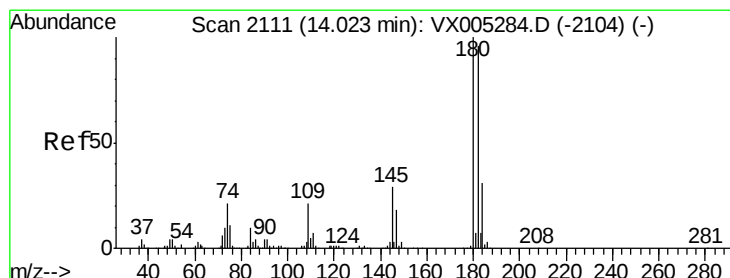
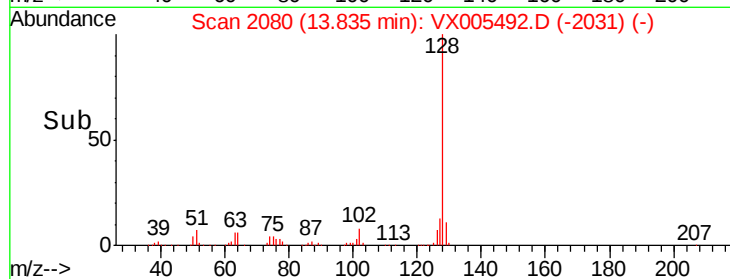
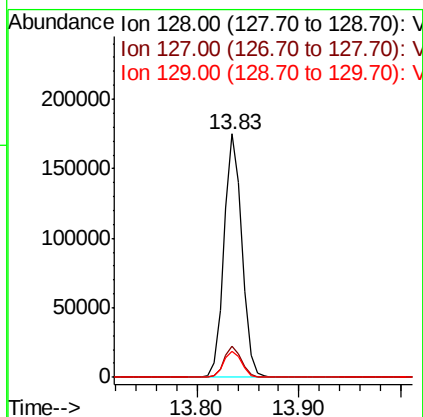
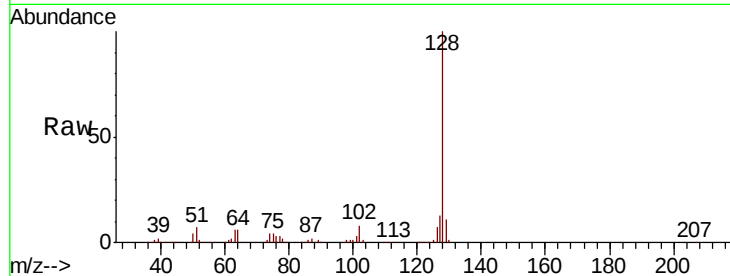
#95
Naphthalene
Concen: 20.416 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Instrument :
MSVOA_X
ClientSampleId :
VX1022WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/23/2018 1:28:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.408 ug/l
RT: 14.02 min Scan# 2111
Delta R.T. 0.00 min
Lab File: VX005492.D
Acq: 23 Oct 2018 01:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	48.5	145.6
145	29.8	14.9	44.9

