

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011421\
 Data File : VX020615.D
 Acq On : 14 Jan 2021 16:13
 Operator : JC/MD
 Sample : PB134118ZHE#04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB134118ZHE#04

Quant Time: Jan 15 05:11:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jan 11 15:05:37 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

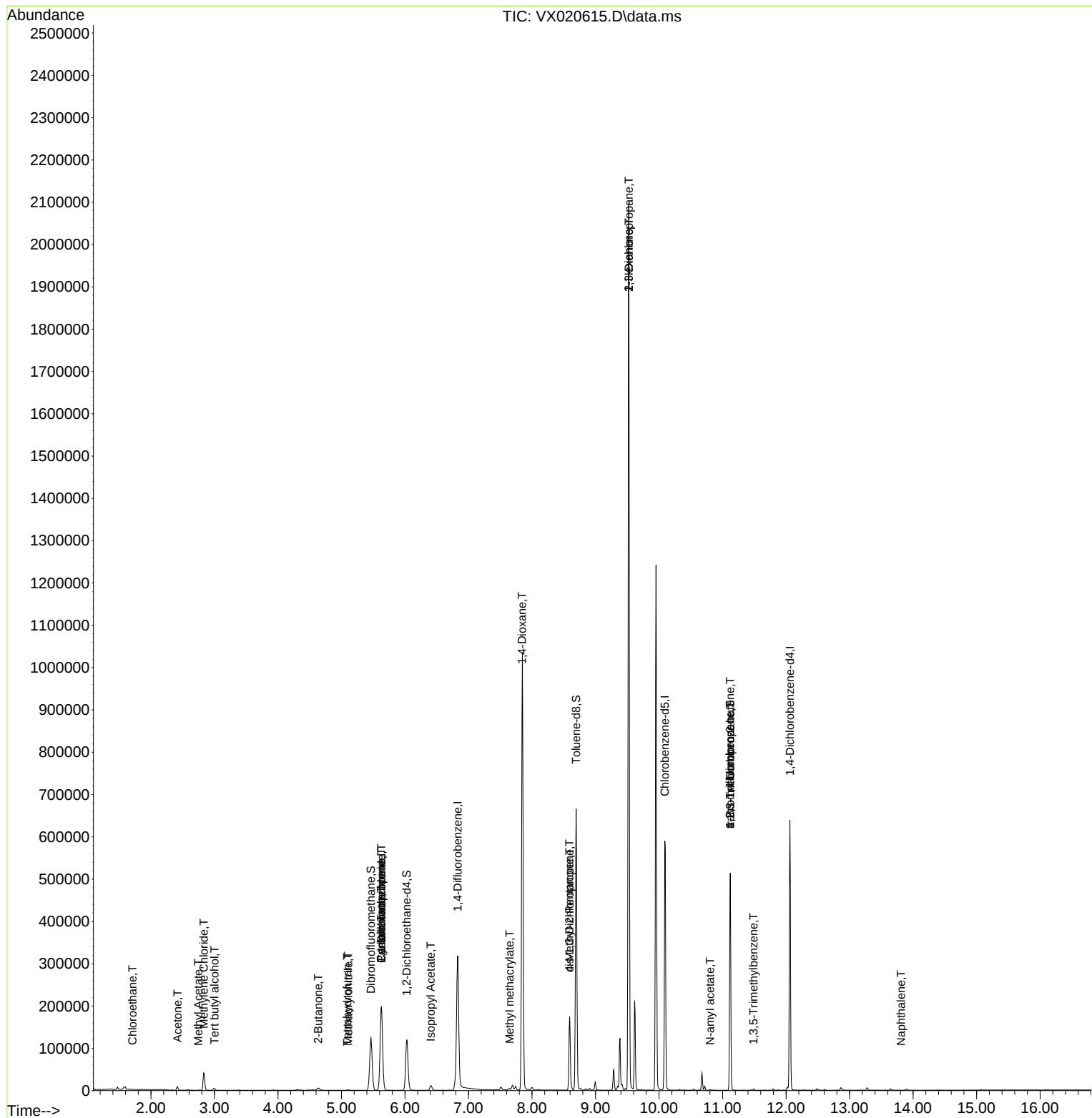
Internal Standards						
1) Pentafluorobenzene	5.629	168	191612	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	320286	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	291834	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	136063	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	118013	51.28	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.56%			
35) Dibromofluoromethane	5.464	113	105866	47.70	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 95.40%			
50) Toluene-d8	8.695	98	398858	50.23	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 100.46%			
62) 4-Bromofluorobenzene	11.122	95	140415	50.07	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.14%			
Target Compounds						Qvalue
6) Chloroethane	1.709	64	72	0.48	ug/l #	43
11) Tert butyl alcohol	3.001	59	3309	5.62	ug/l #	80
16) Acetone	2.416	43	8958	7.57	ug/l	98
18) Methyl Acetate	2.745	43	953	0.47	ug/l #	84
20) Methylene Chloride	2.831	84	19761	9.09	ug/l	98
25) 2-Butanone	4.635	43	6082	4.89	ug/l	97
29) Tetrahydrofuran	5.092	42	432	0.57	ug/l #	42
31) Cyclohexane	5.623	56	3191	1.18	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	13439	4.59	ug/l #	49
38) Carbon Tetrachloride	5.629	117	18358	5.38	ug/l #	17
41) Methacrylonitrile	5.105	41	601	0.43	ug/l #	43
43) Isopropyl Acetate	6.403	43	14485	3.51	ug/l	99
48) Methyl methacrylate	7.647	41	4822	2.41	ug/l #	10
49) 1,4-Dioxane	7.842	88	157	3.11	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	52205	20.42	ug/l #	47
54) cis-1,3-Dichloropropene	8.592	75	30113	8.26	ug/l #	58
57) 1,3-Dichloropropane	9.525	76	19777	5.15	ug/l #	43
59) 2-Hexanone	9.525	43	214682	112.04	ug/l #	48
74) N-amyl acetate	10.805	43	709	1.45	ug/l #	43
76) 1,2,3-Trichloropropane	11.122	75	65320	22.79	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	1676	0.22	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.122	75	65320	62.09	ug/l #	12
95) Naphthalene	13.810	128	147	3.86	ug/l #	69

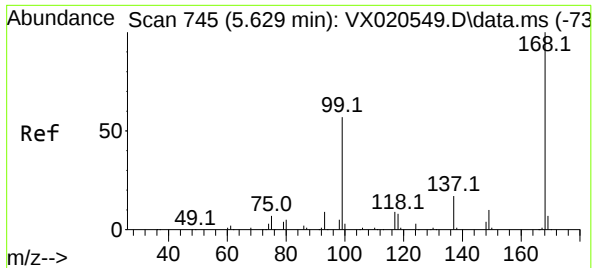
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 14 Jan 2021 16:13
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

Quant Time: Jan 15 05:11:23 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X011121W.M
Quant Title : SW846 8260
QLast Update : Mon Jan 11 15:05:37 2021
Response via : Initial Calibration

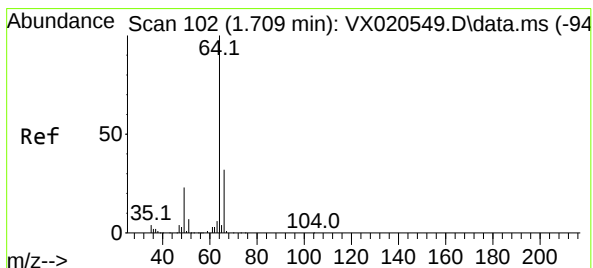
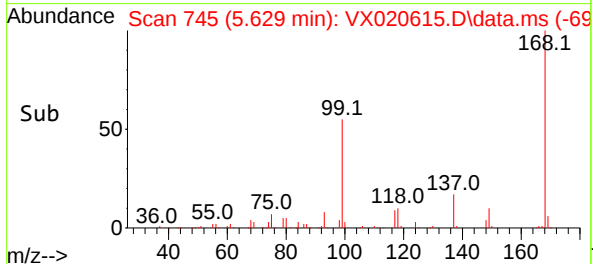
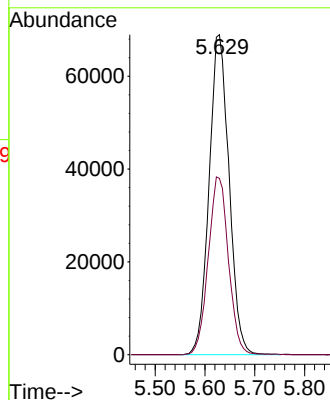
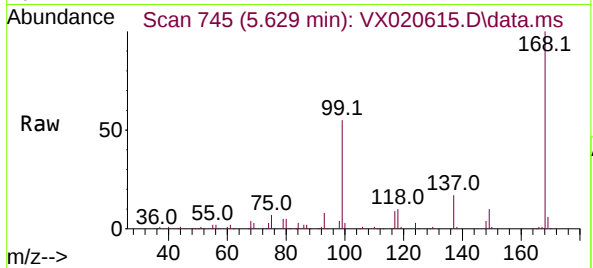




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

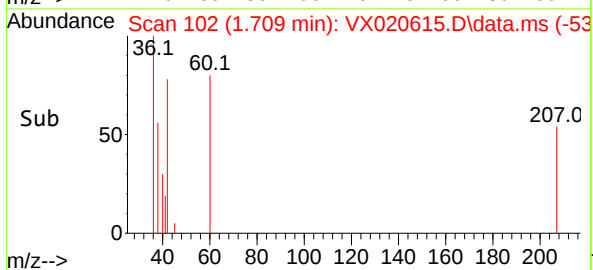
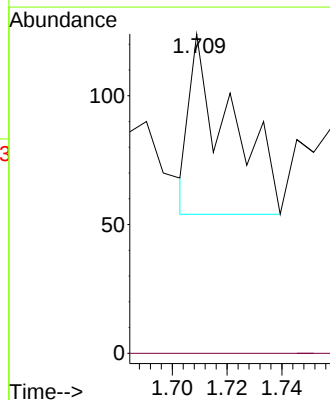
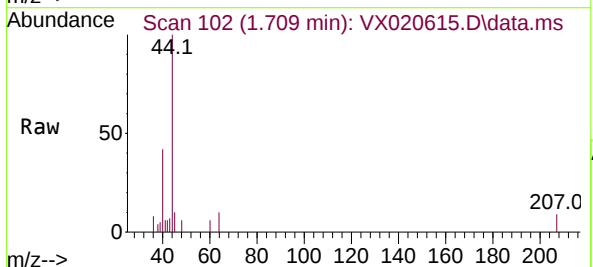
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

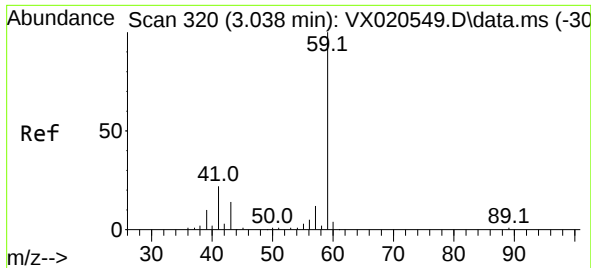
Tgt Ion:168 Resp: 191612
Ion Ratio Lower Upper
168 100
99 55.1 45.8 68.6



#6
Chloroethane
Concen: 0.48 ug/l
RT: 1.709 min Scan# 102
Delta R.T. -0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion: 64 Resp: 72
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



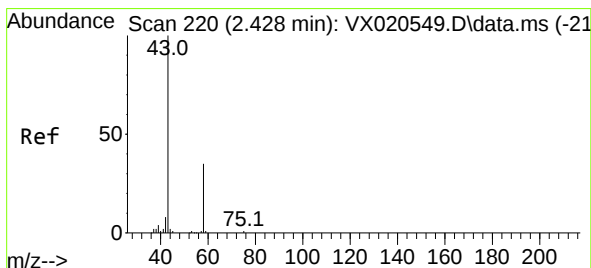
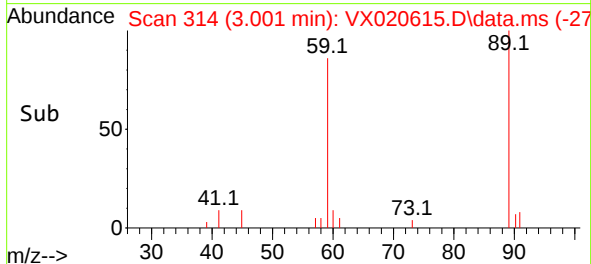
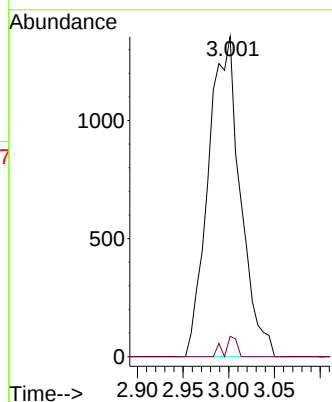
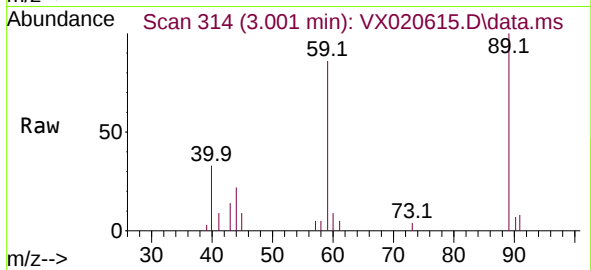


#11

Tert butyl alcohol
Concen: 5.62 ug/l
RT: 3.001 min Scan# 314
Delta R.T. -0.037 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

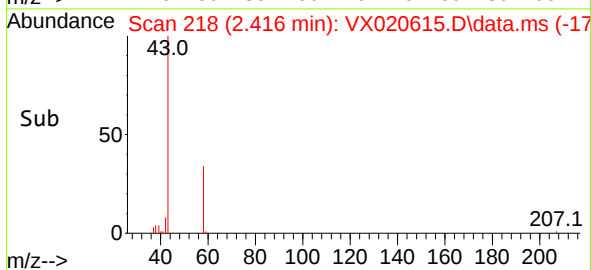
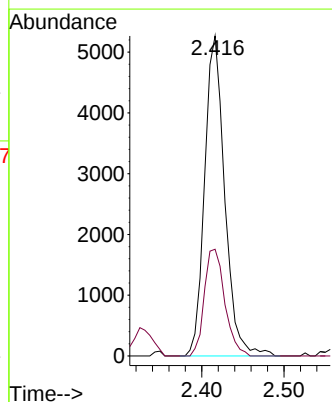
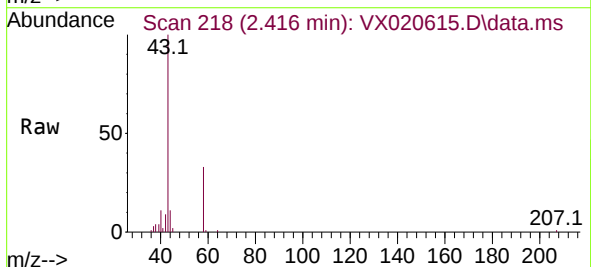
Tgt Ion: 59 Resp: 3309
Ion Ratio Lower Upper
59 100
57 2.4 7.8 11.8#

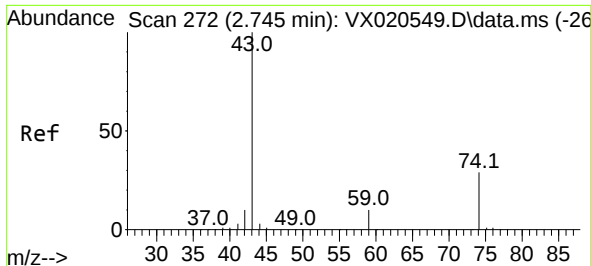


#16

Acetone
Concen: 7.57 ug/l
RT: 2.416 min Scan# 218
Delta R.T. -0.012 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion: 43 Resp: 8958
Ion Ratio Lower Upper
43 100
58 33.4 27.8 41.8

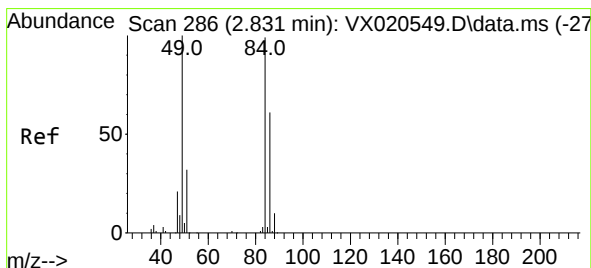
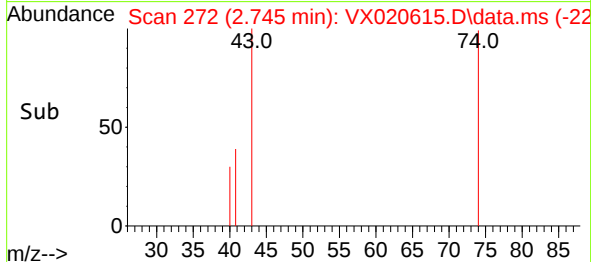
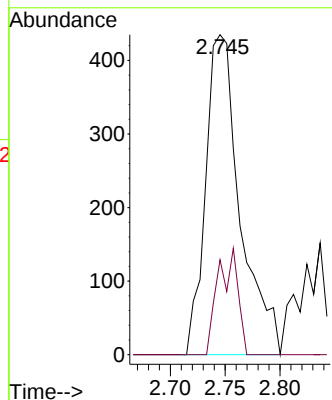
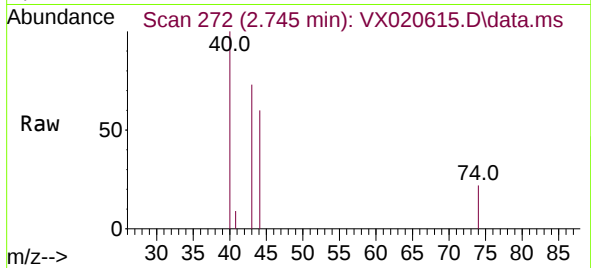




#18
Methyl Acetate
Concen: 0.47 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

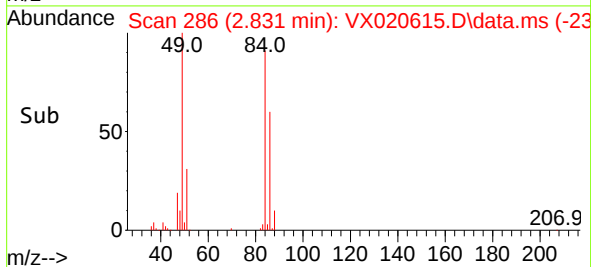
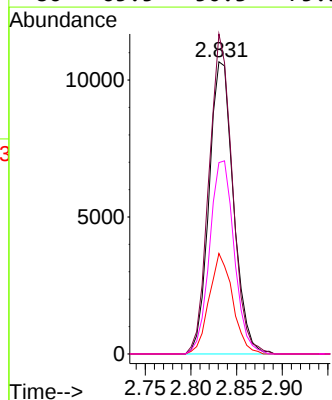
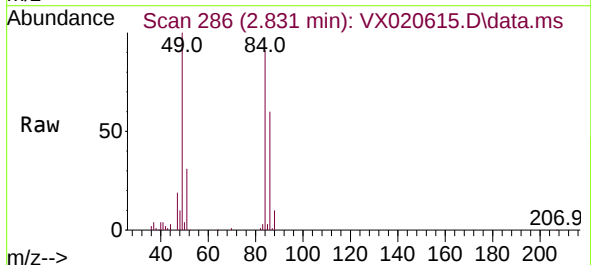
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

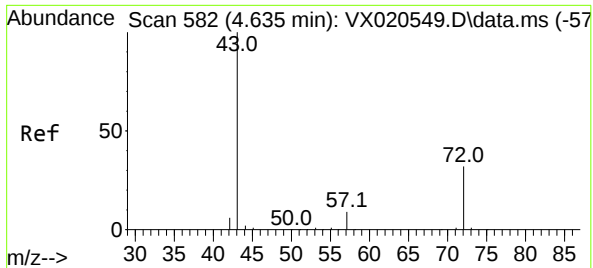
Tgt Ion: 43 Resp: 953
Ion Ratio Lower Upper
43 100
74 19.0 21.9 32.9#



#20
Methylene Chloride
Concen: 9.09 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion: 84 Resp: 19761
Ion Ratio Lower Upper
84 100
49 109.5 88.6 132.8
51 34.4 27.0 40.6
86 65.5 50.3 75.5

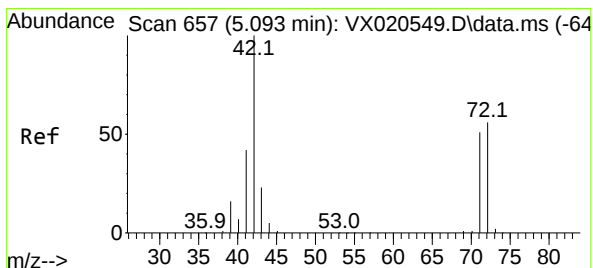
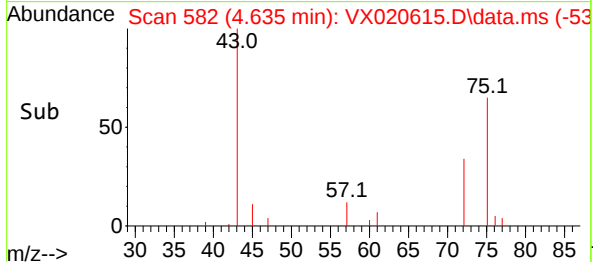
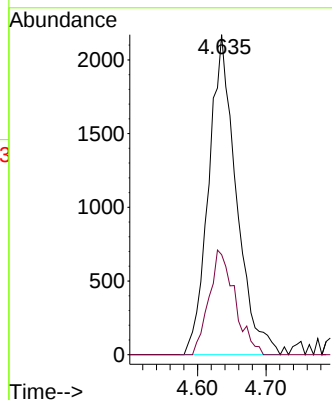
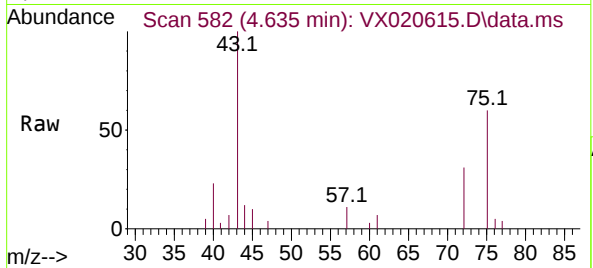




#25
2-Butanone
Concen: 4.89 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

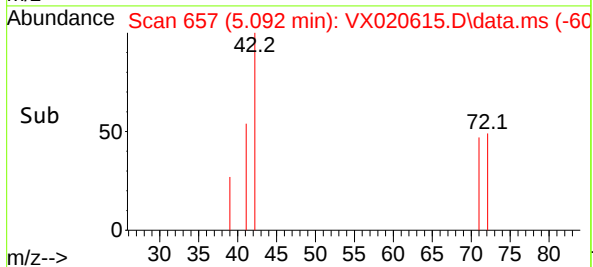
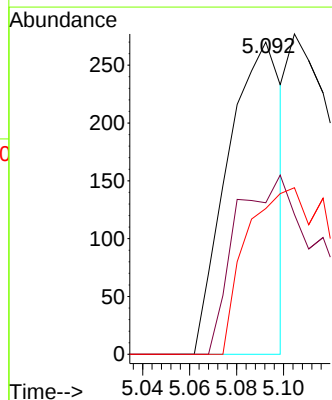
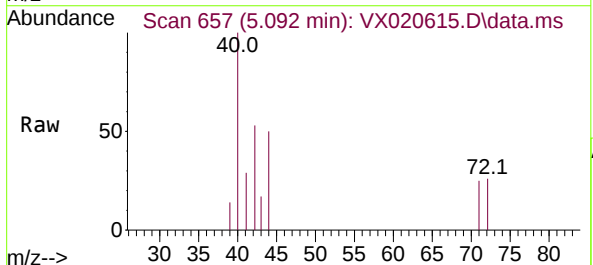
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

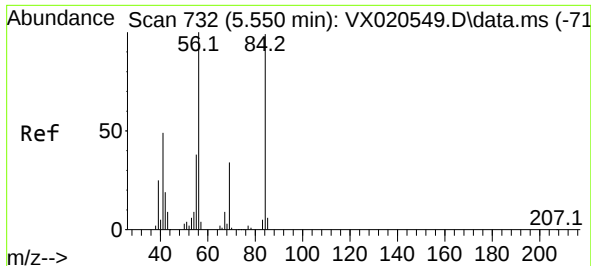
Tgt Ion: 43 Resp: 6082
Ion Ratio Lower Upper
43 100
72 31.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.57 ug/l
RT: 5.092 min Scan# 657
Delta R.T. -0.001 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

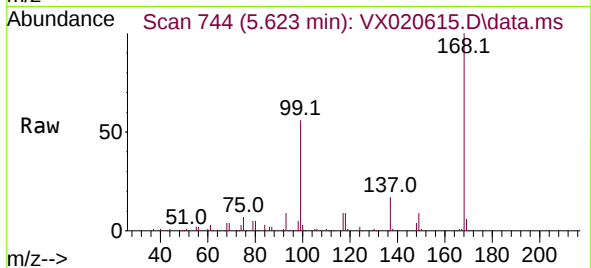
Tgt Ion: 42 Resp: 432
Ion Ratio Lower Upper
42 100
72 96.8 41.7 62.5#
71 83.3 38.4 57.6#



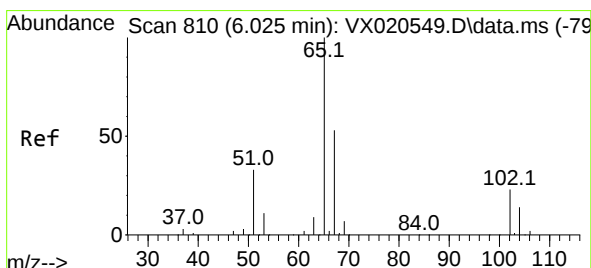
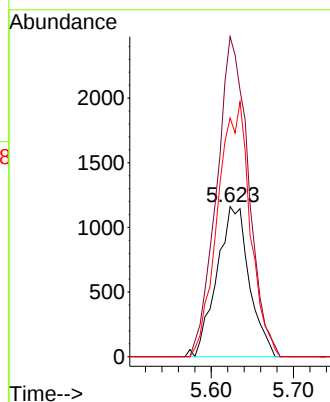
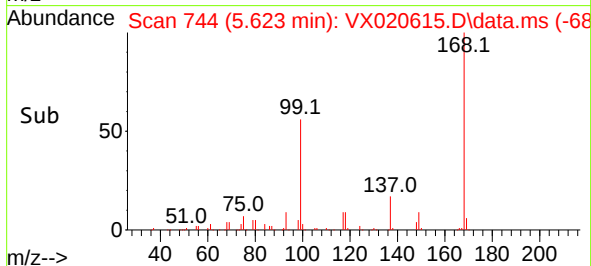


#31
Cyclohexane
Concen: 1.18 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.073 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

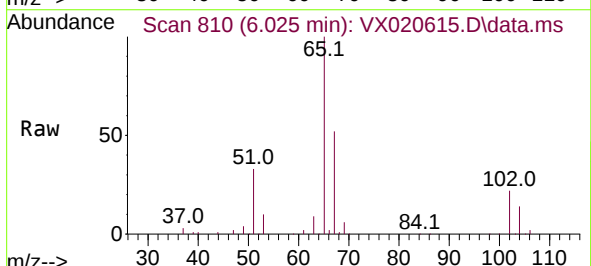
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MSVOA_X
ClientSampleId :
PB134118ZHE#04



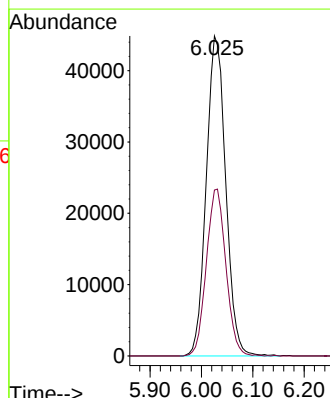
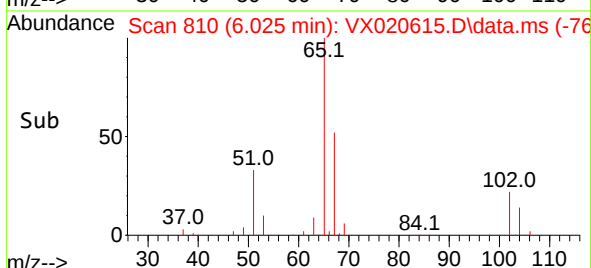
Tgt Ion: 56 Resp: 3191
Ion Ratio Lower Upper
56 100
69 213.2 25.3 37.9#
84 159.1 71.4 107.0#

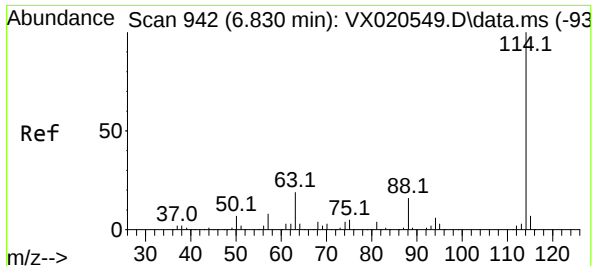


#33
1,2-Dichloroethane-d4
Concen: 51.28 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13



Tgt Ion: 65 Resp: 118013
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4

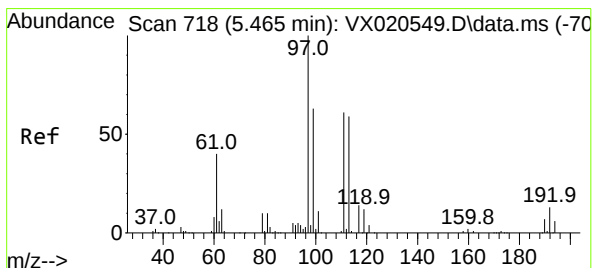
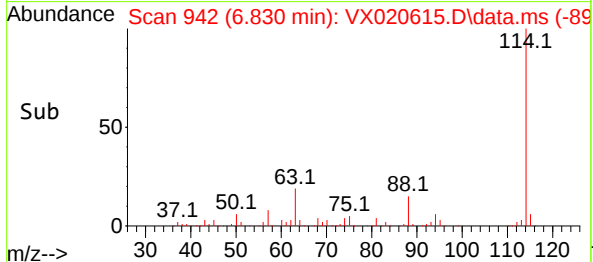
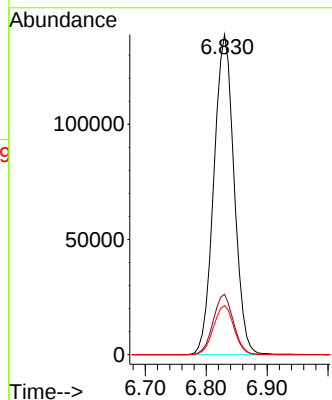
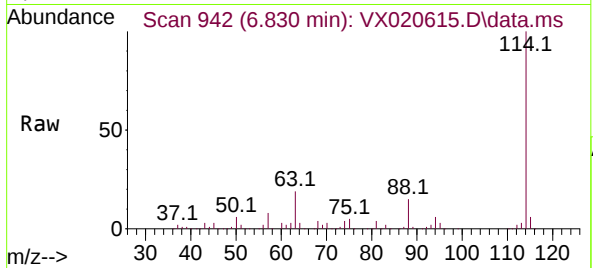




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. -0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

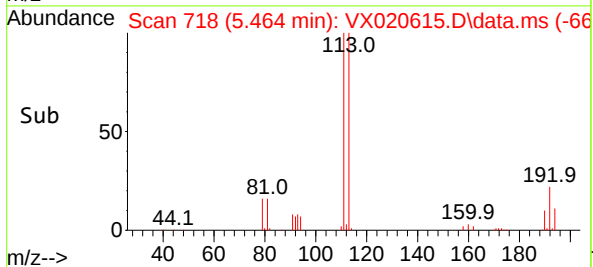
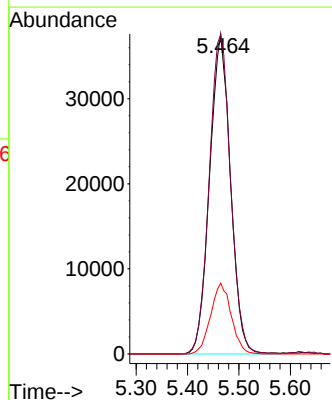
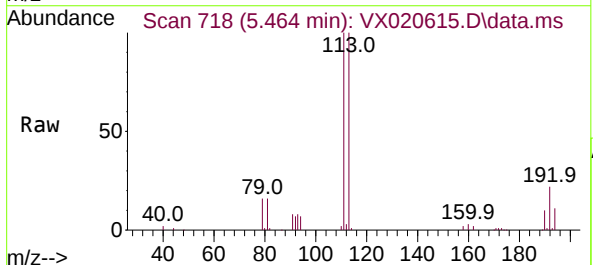
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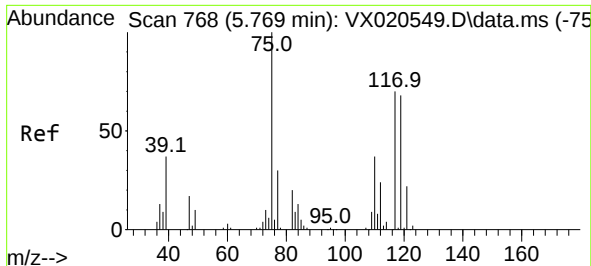
Tgt Ion:	114	Resp:	320286
Ion Ratio	Lower	Upper	
114	100		
63	18.8	0.0	40.8
88	15.4	0.0	32.8



#35
Dibromofluoromethane
Concen: 47.70 ug/l
RT: 5.464 min Scan# 718
Delta R.T. -0.001 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion:	113	Resp:	105866
Ion Ratio	Lower	Upper	
113	100		
111	102.5	81.9	122.9
192	21.9	16.7	25.1

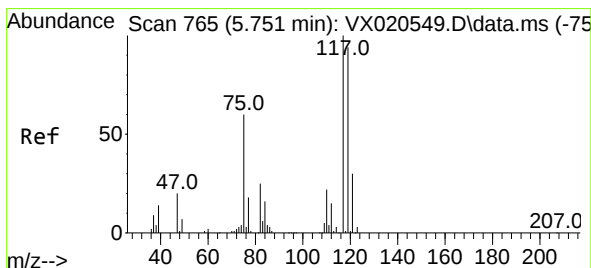
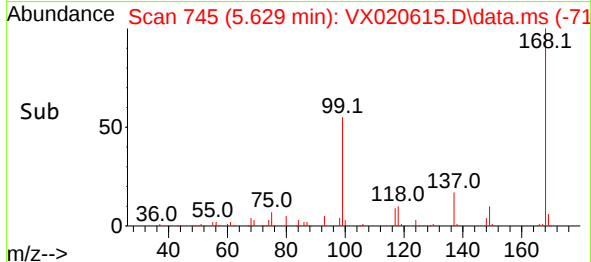
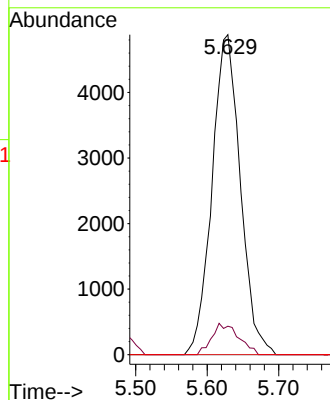
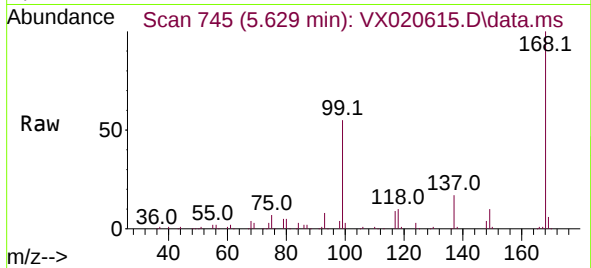




#36
1,1-Dichloropropene
Concen: 4.59 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

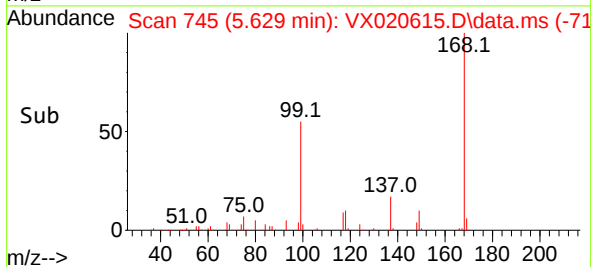
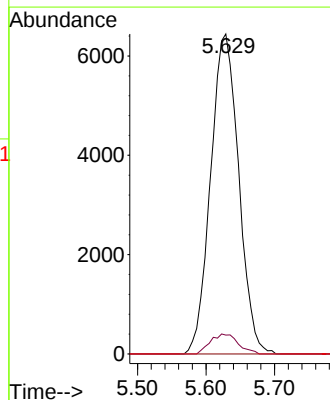
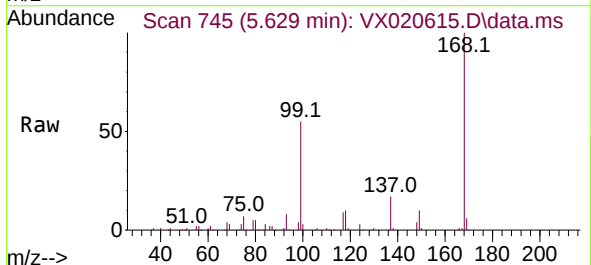
Instrument :
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ClientSampleId :
PB134118ZHE#04

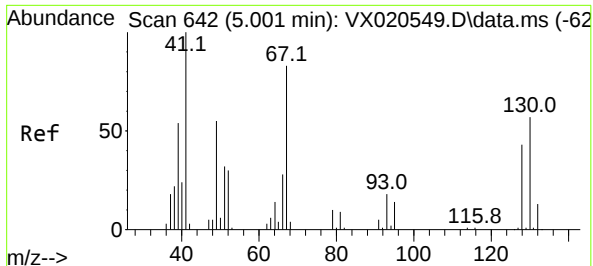
Tgt Ion: 75	Resp: 13439
Ion Ratio	Lower Upper
75 100	
110 9.2	18.1 54.4#
77 0.0	25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.38 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion: 117	Resp: 18358
Ion Ratio	Lower Upper
117 100	
119 5.9	76.2 114.2#
121 0.0	24.8 37.2#

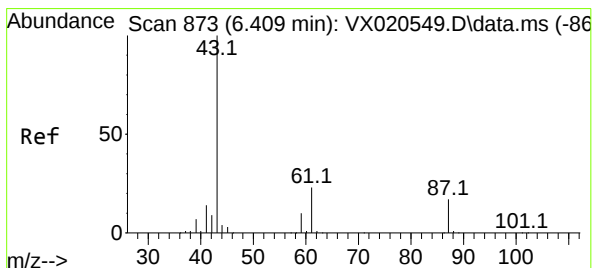
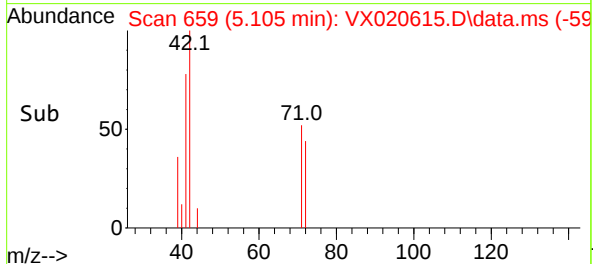
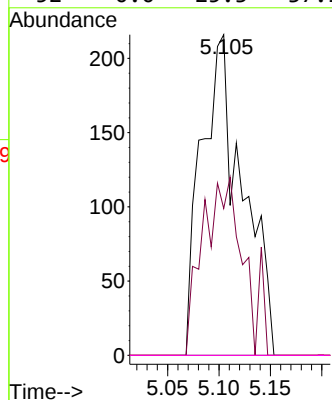
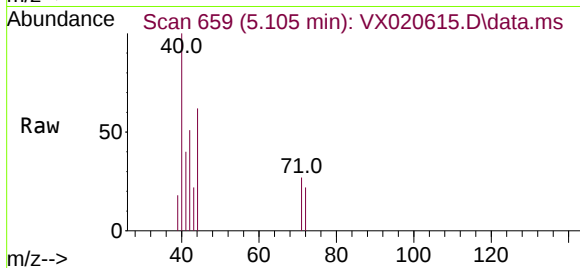




#41
Methacrylonitrile
Concen: 0.43 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.104 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

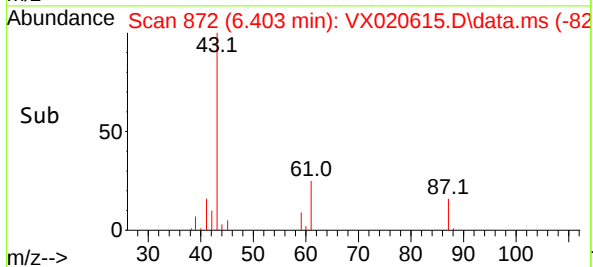
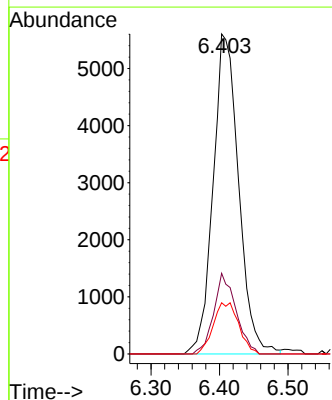
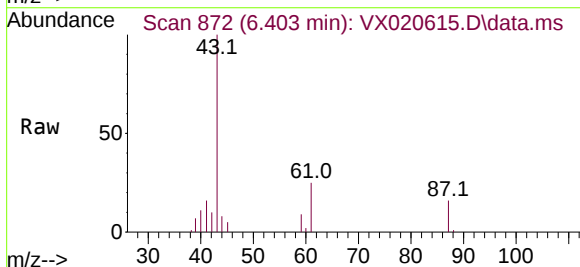
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

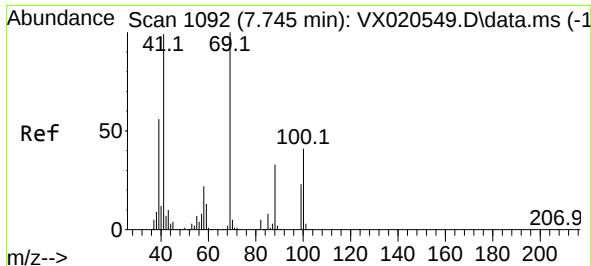
Tgt Ion:	41	Resp:	601
Ion	Ratio	Lower	Upper
41	100		
39	55.4	42.5	63.7
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.51 ug/l
RT: 6.403 min Scan# 872
Delta R.T. -0.006 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion:	43	Resp:	14485
Ion	Ratio	Lower	Upper
43	100		
61	22.0	18.2	27.4
87	16.0	12.5	18.7

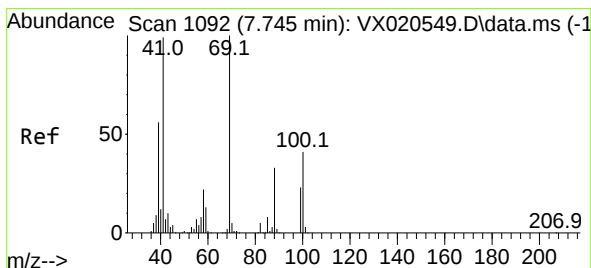
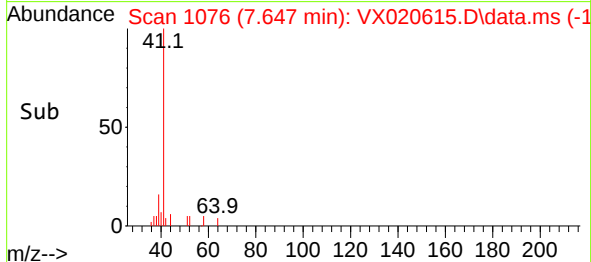
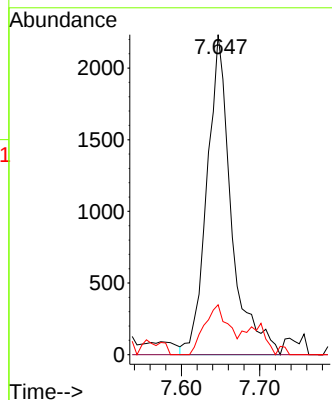
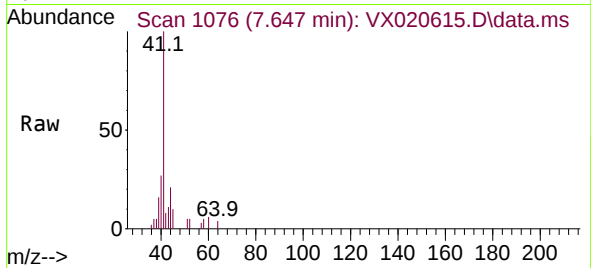




#48
Methyl methacrylate
Concen: 2.41 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.098 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

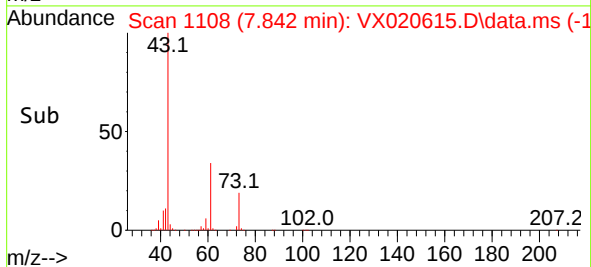
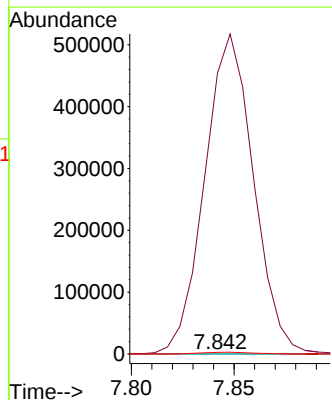
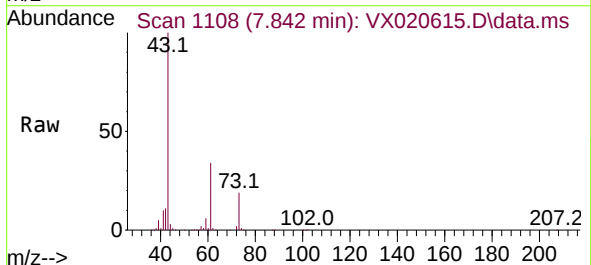
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

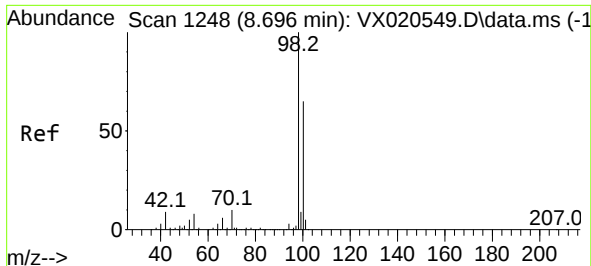
Tgt Ion: 41 Resp: 4822
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.11 ug/l
RT: 7.842 min Scan# 1108
Delta R.T. 0.097 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion: 88 Resp: 157
Ion Ratio Lower Upper
88 100
43 547196.2 23.2 34.8#
58 3198.7 55.0 82.4#

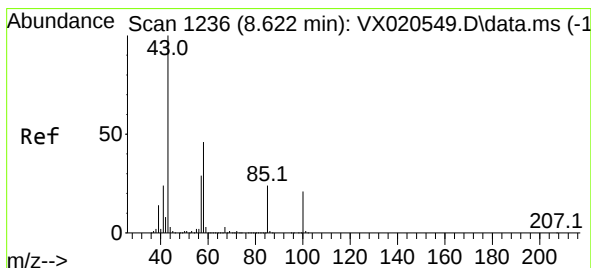
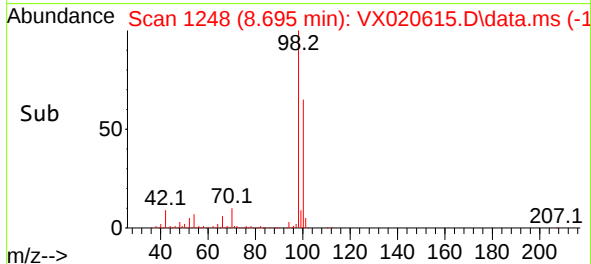
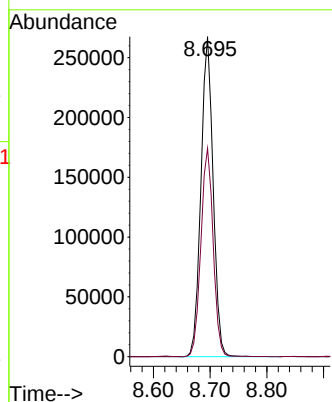
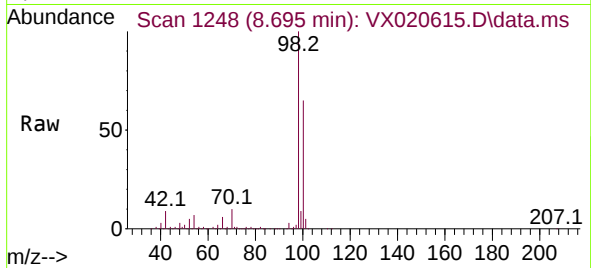




#50
Toluene-d8
Concen: 50.23 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. -0.001 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

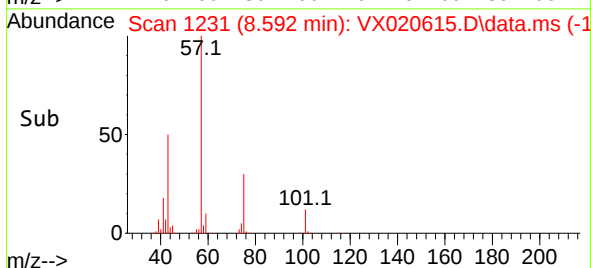
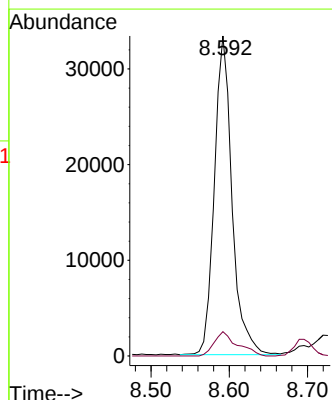
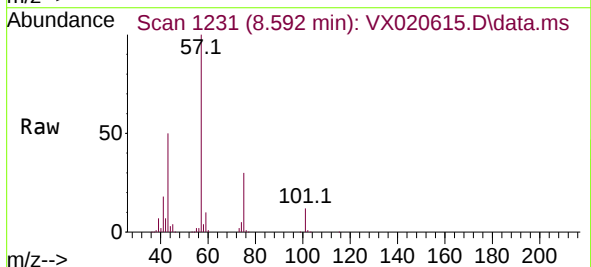
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

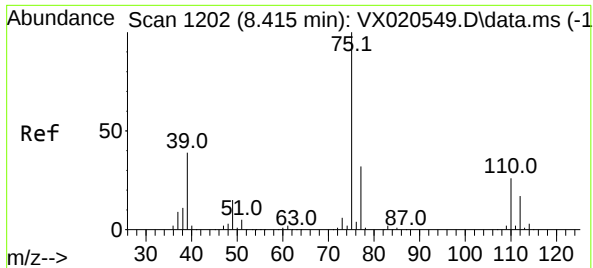
Tgt Ion: 98 Resp: 398858
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.42 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.030 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion: 43 Resp: 52205
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#

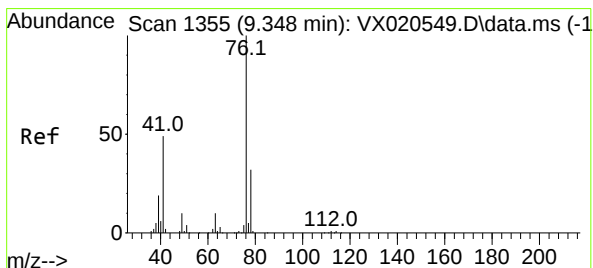
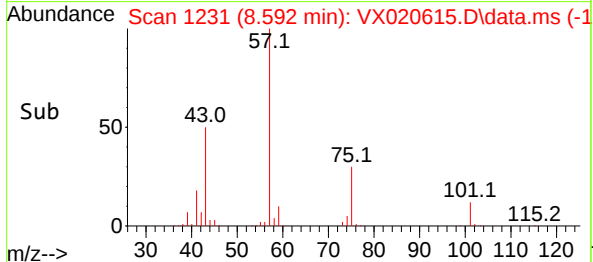
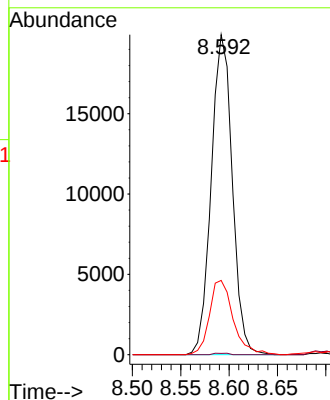
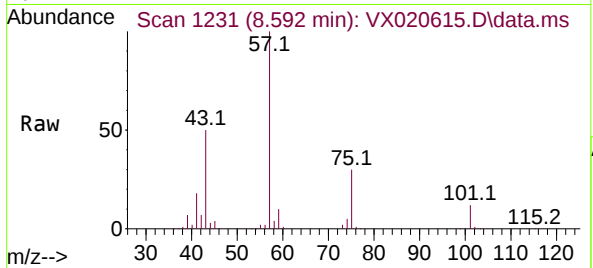




#54
 cis-1,3-Dichloropropene
 Concen: 8.26 ug/l
 RT: 8.592 min Scan# 1231
 Delta R.T. 0.177 min
 Lab File: VX020615.D
 Acq: 14 Jan 2021 16:13

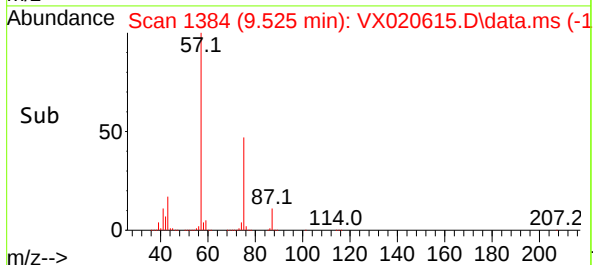
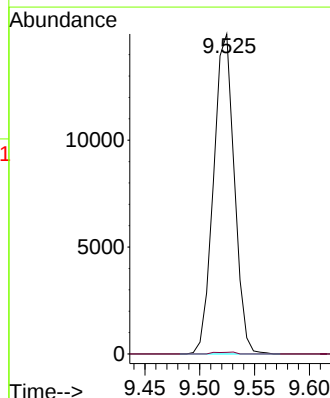
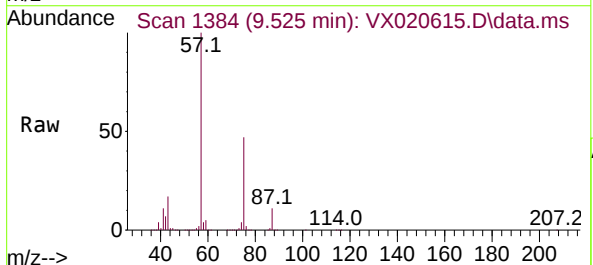
Instrument :
 MSVOA_X
 ClientSampleId :
 PB134118ZHE#04

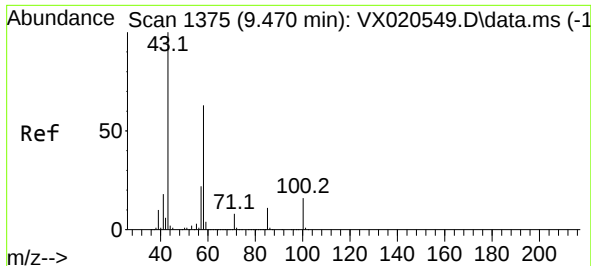
Tgt Ion: 75 Resp: 30113
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.7 38.5#
 39 23.2 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 5.15 ug/l
 RT: 9.525 min Scan# 1384
 Delta R.T. 0.177 min
 Lab File: VX020615.D
 Acq: 14 Jan 2021 16:13

Tgt Ion: 76 Resp: 19777
 Ion Ratio Lower Upper
 76 100
 78 0.6 26.2 39.2#

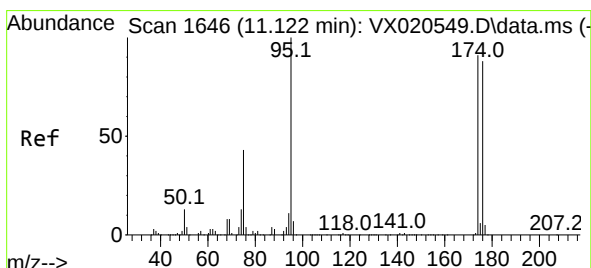
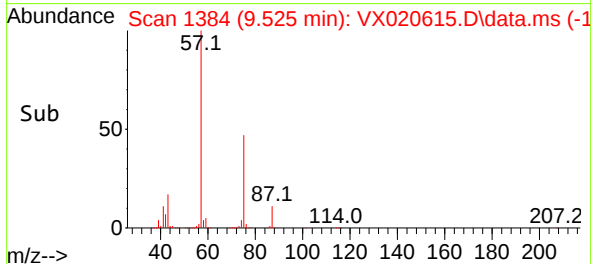
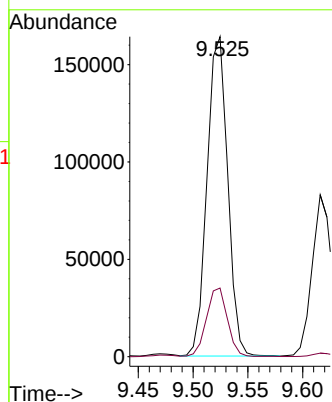
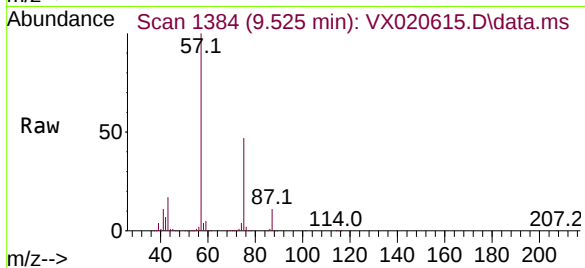




#59
2-Hexanone
Concen: 112.04 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

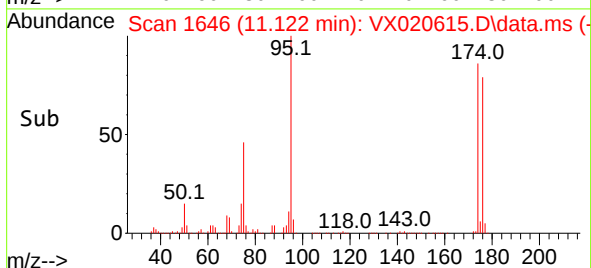
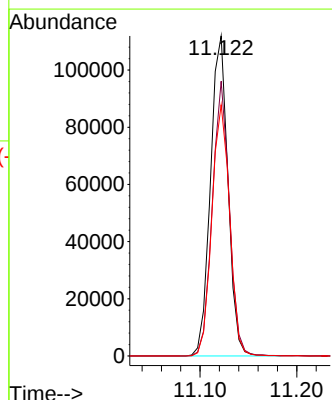
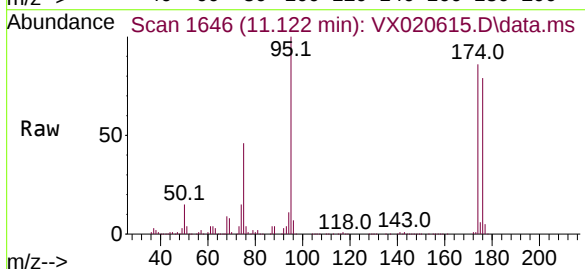
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

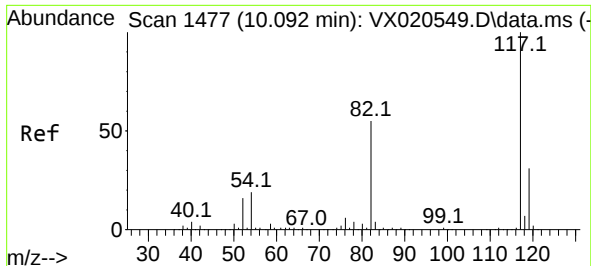
Tgt Ion: 43 Resp: 214682
Ion Ratio Lower Upper
43 100
58 22.0 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 50.07 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion: 95 Resp: 140415
Ion Ratio Lower Upper
95 100
174 83.6 0.0 154.6
176 79.8 0.0 155.8

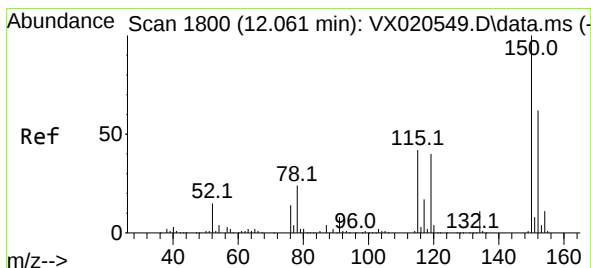
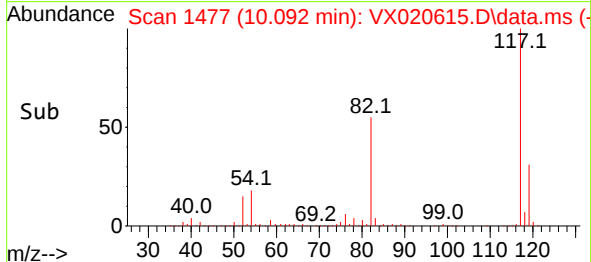
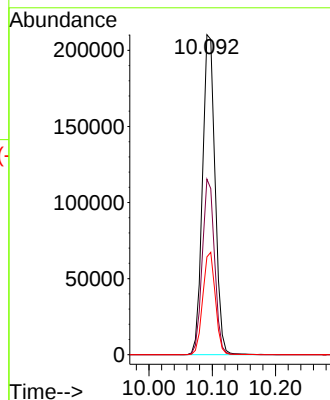
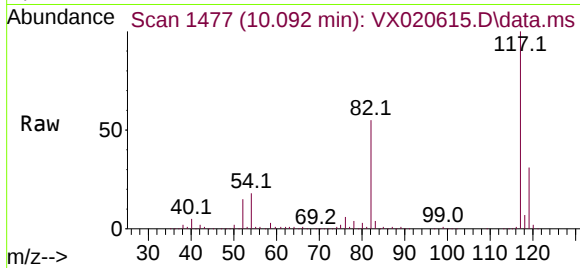




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

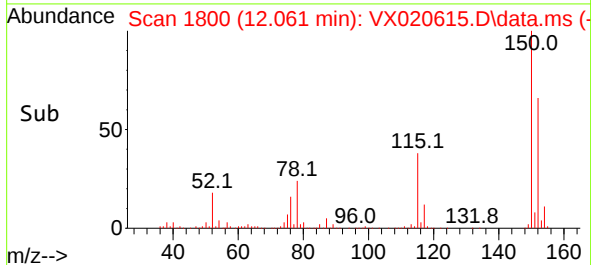
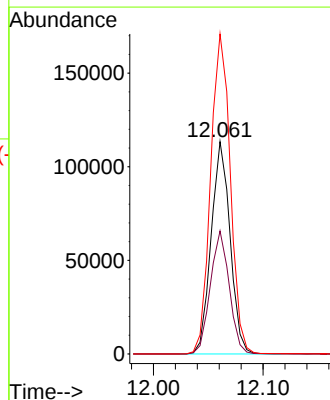
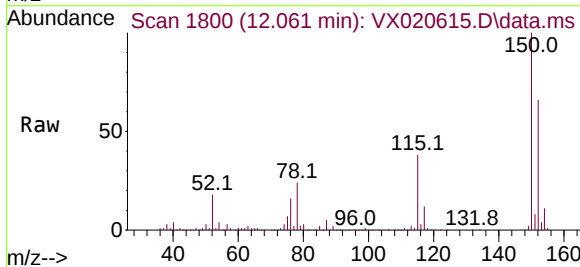
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

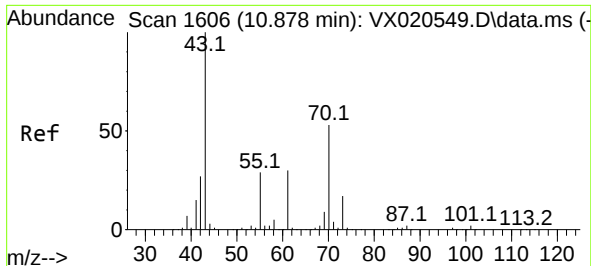
Tgt Ion:117 Resp: 291834
Ion Ratio Lower Upper
117 100
82 54.8 47.4 71.2
119 30.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion:152 Resp: 136063
Ion Ratio Lower Upper
152 100
115 57.9 41.1 123.3
150 156.9 0.0 349.0

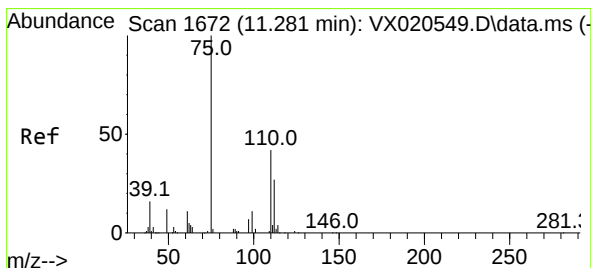
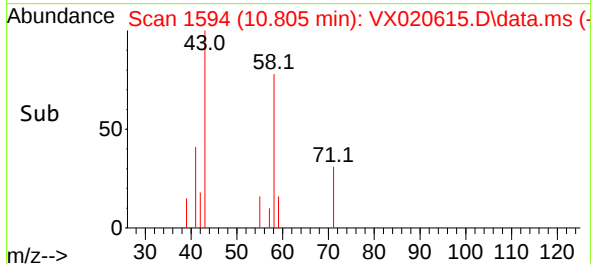
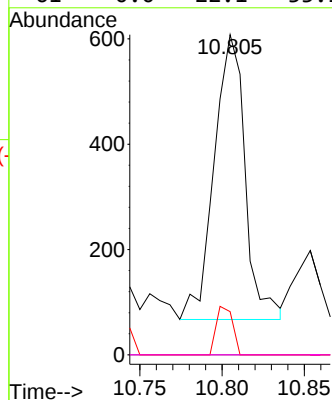
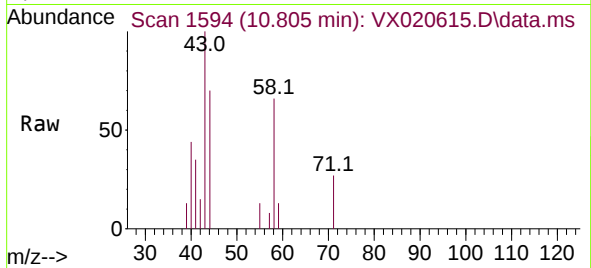




#74
N-amy1 acetate
Concen: 1.45 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

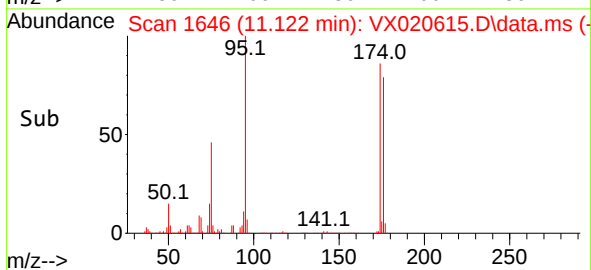
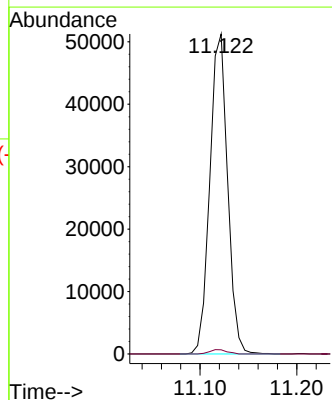
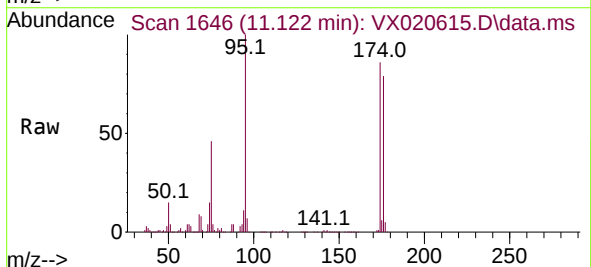
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

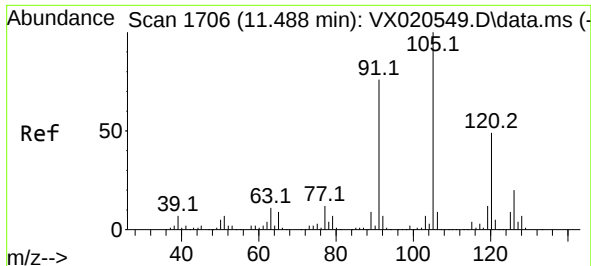
Tgt Ion: 43	Resp: 709
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	9.0 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 22.79 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.159 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Tgt Ion: 75	Resp: 65320
Ion Ratio	Lower Upper
75	100
77	1.3 19.1 57.5#

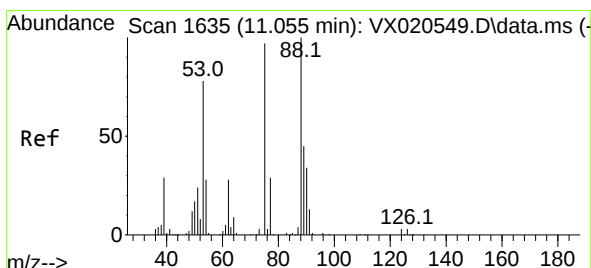
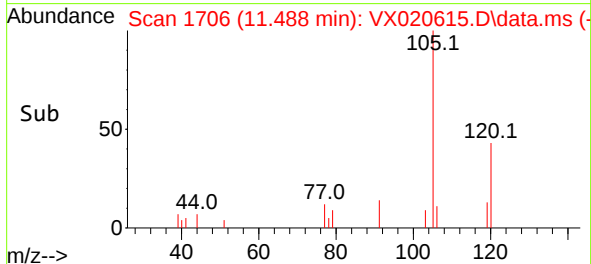
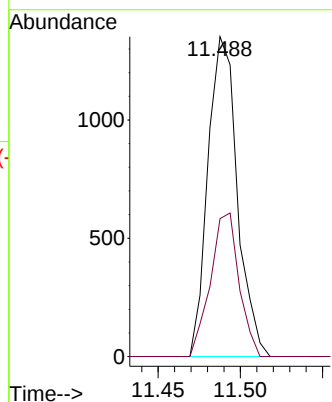
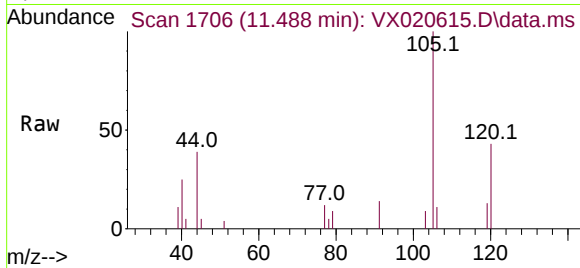




#80
1,3,5-Trimethylbenzene
Concen: 0.22 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

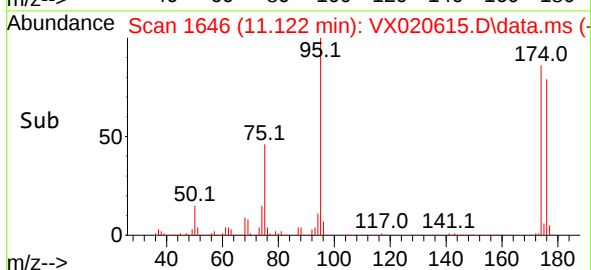
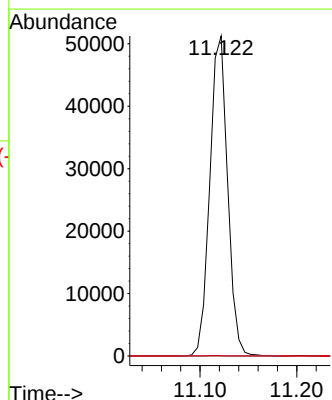
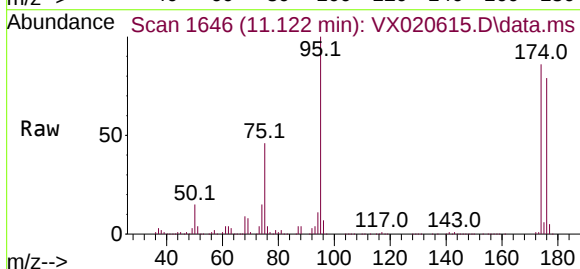
Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04

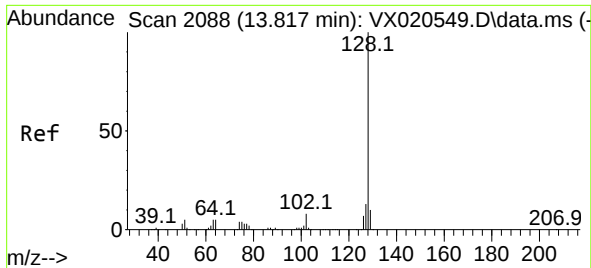
Tgt Ion:105 Resp: 1676
Ion Ratio Lower Upper
105 100
120 43.7 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 62.09 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

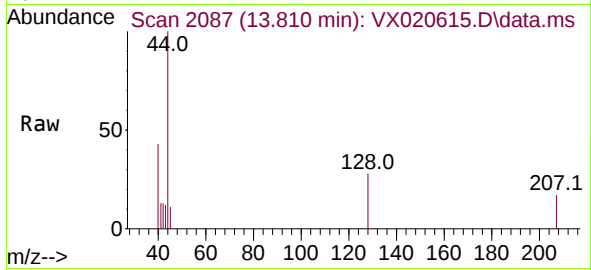
Tgt Ion: 75 Resp: 65320
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 3.86 ug/l
RT: 13.810 min Scan# 2087
Delta R.T. -0.007 min
Lab File: VX020615.D
Acq: 14 Jan 2021 16:13

Instrument :
MSVOA_X
ClientSampleId :
PB134118ZHE#04



Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.3	15.5#
129	0.0	8.8	13.2#

