

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX123120\
 Data File : VX020484.D
 Acq On : 31 Dec 2020 15:36
 Operator : JC/MD
 Sample : PB133875ZHE#13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133875ZHE#13

Quant Time: Jan 01 00:11:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 18 13:09:49 2020
 Response via : Initial Calibration

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

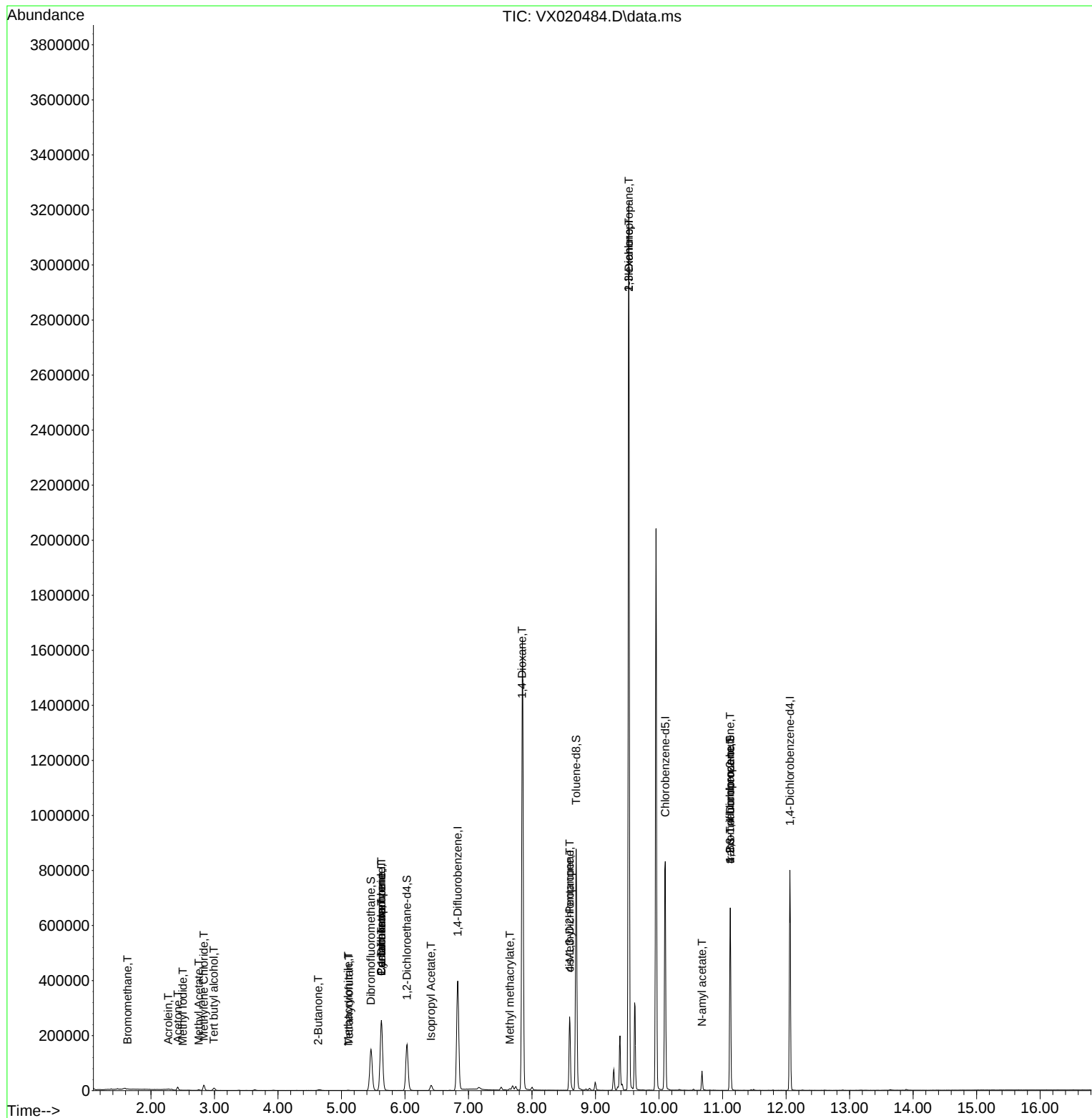
Internal Standards						
1) Pentafluorobenzene	5.629	168	244428	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	404136	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	395697	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	167224	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	155998	47.61	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 95.22%			
35) Dibromofluoromethane	5.464	113	130099	50.32	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.64%			
50) Toluene-d8	8.695	98	519080	52.16	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.32%			
62) 4-Bromofluorobenzene	11.122	95	178655	46.91	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.82%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	505	0.47	ug/l #	75
10) Methyl Iodide	2.501	142	76	3.31	ug/l #	42
11) Tert butyl alcohol	2.989	59	5420	7.39	ug/l #	73
13) Acrolein	2.270	56	136	0.30	ug/l #	1
16) Acetone	2.422	43	11048	7.39	ug/l	99
18) Methyl Acetate	2.751	43	3408	1.02	ug/l	91
20) Methylene Chloride	2.831	84	8884	2.64	ug/l	99
25) 2-Butanone	4.635	43	2918	1.34	ug/l #	88
29) Tetrahydrofuran	5.117	42	858	0.63	ug/l #	77
31) Cyclohexane	5.629	56	4572	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	18542	4.64	ug/l #	49
38) Carbon Tetrachloride	5.629	117	23679	6.23	ug/l #	18
41) Methacrylonitrile	5.105	41	587	0.27	ug/l #	41
43) Isopropyl Acetate	6.409	43	24249	3.70	ug/l	97
48) Methyl methacrylate	7.653	41	6903	2.15	ug/l #	10
49) 1,4-Dioxane	7.842	88	297	3.95	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	84356	20.79	ug/l #	47
54) cis-1,3-Dichloropropene	8.592	75	44857	9.06	ug/l #	60
57) 1,3-Dichloropropane	9.525	76	28665	5.38	ug/l #	43
59) 2-Hexanone	9.525	43	346941	112.23	ug/l #	46
74) N-amyl acetate	10.677	43	15368	3.16	ug/l #	49
76) 1,2,3-Trichloropropane	11.122	75	85535	20.77	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	85535	61.61	ug/l #	12

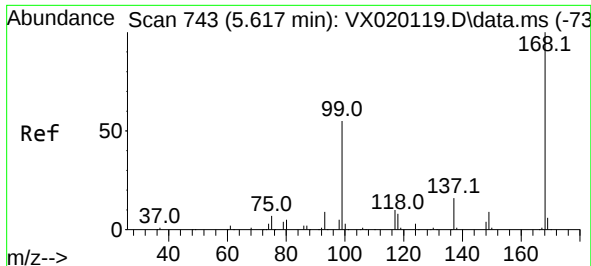
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration

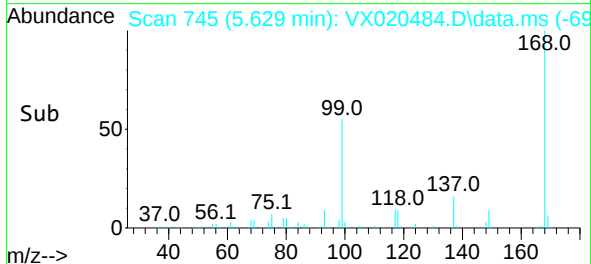
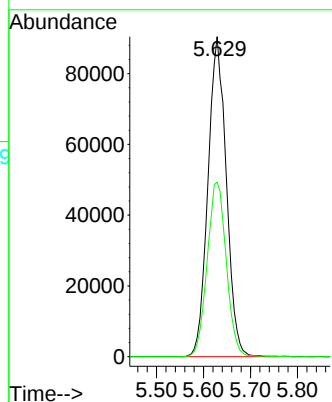
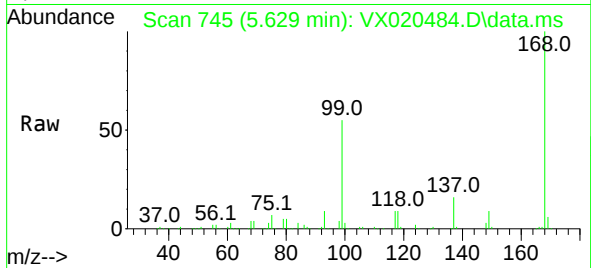




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

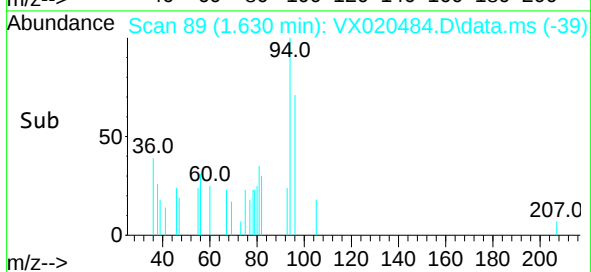
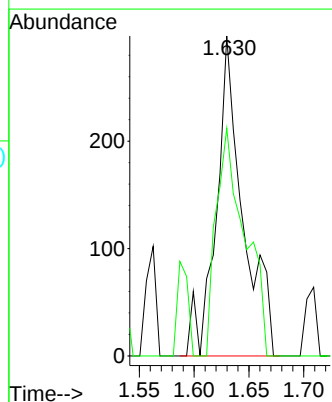
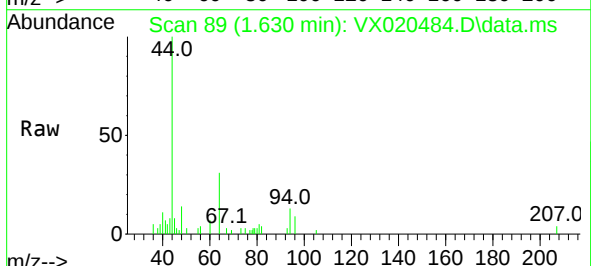
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

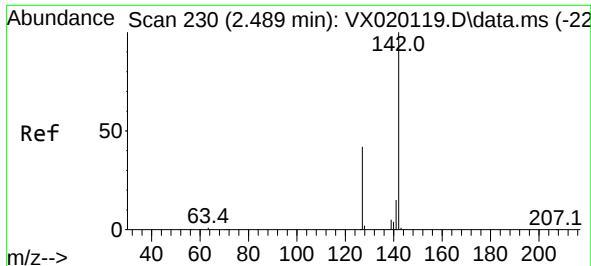
Tgt Ion:168 Resp: 244428
Ion Ratio Lower Upper
168 100
99 54.5 45.8 68.6



#5
Bromomethane
Concen: 0.47 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 94 Resp: 505
Ion Ratio Lower Upper
94 100
96 71.1 76.4 114.6#

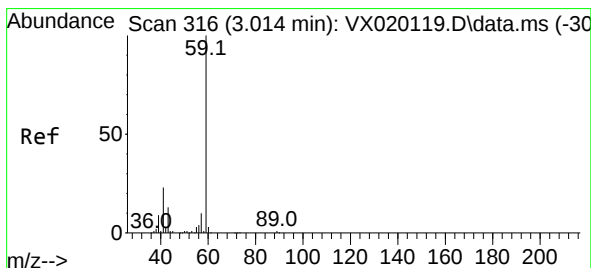
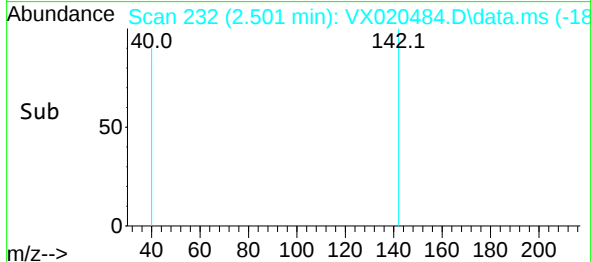
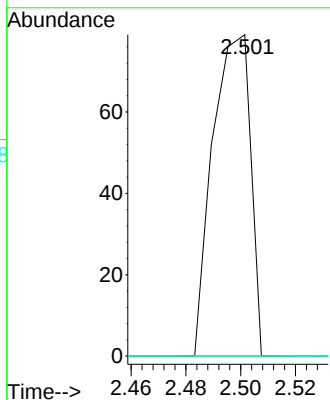
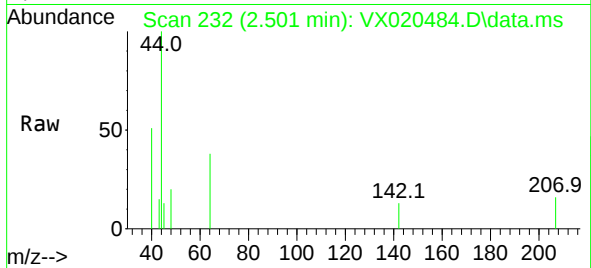




#10
Methyl Iodide
Concen: 3.31 ug/l
RT: 2.501 min Scan# 232
Delta R.T. 0.012 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

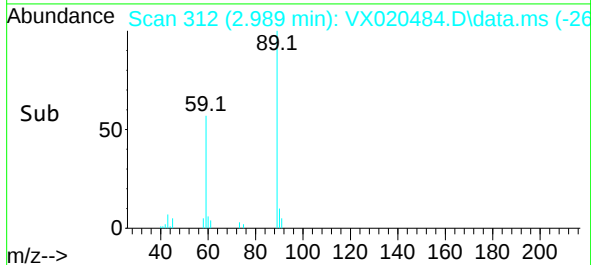
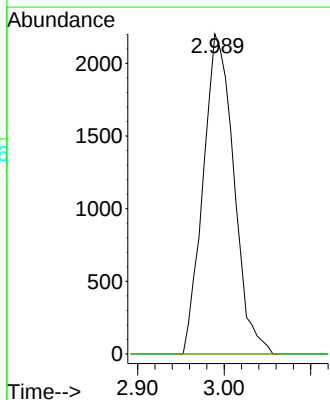
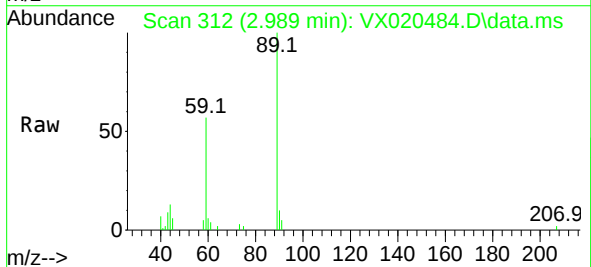
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

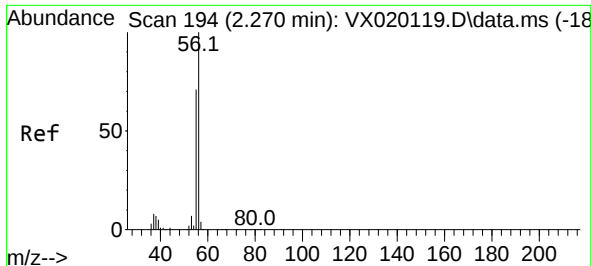
Tgt Ion:142 Resp: 76
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.39 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 59 Resp: 5420
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.30 ug/l

RT: 2.270 min Scan# 194

Delta R.T. -0.000 min

Lab File: VX020484.D

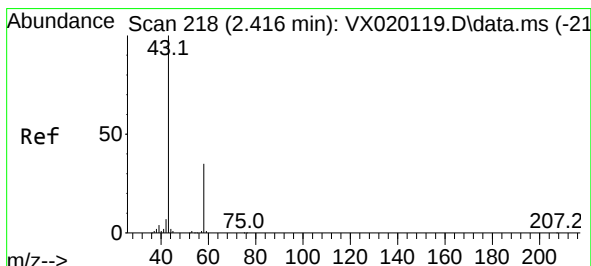
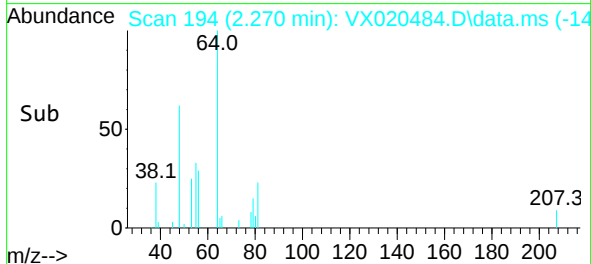
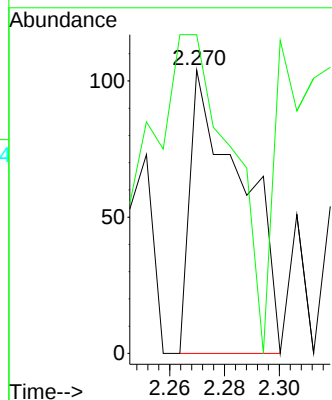
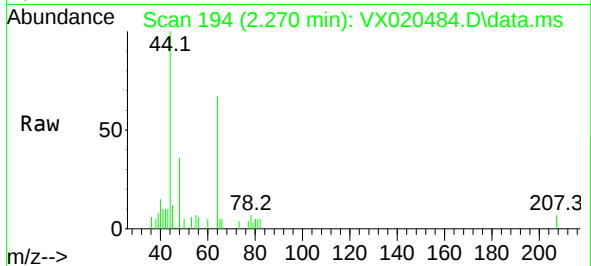
Acq: 31 Dec 2020 15:36

Tgt Ion: 56 Resp: 136

Ion Ratio Lower Upper

56 100

55 166.9 56.4 84.6#



#16

Acetone

Concen: 7.39 ug/l

RT: 2.422 min Scan# 219

Delta R.T. 0.006 min

Lab File: VX020484.D

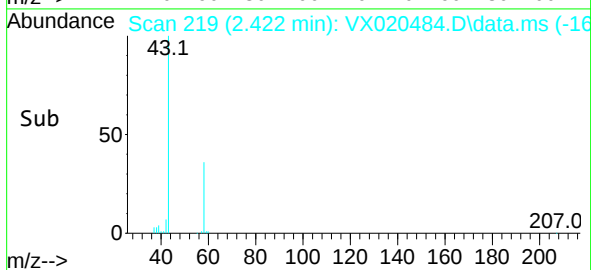
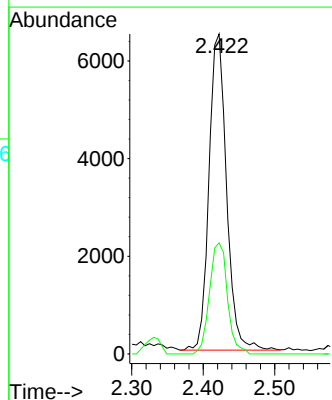
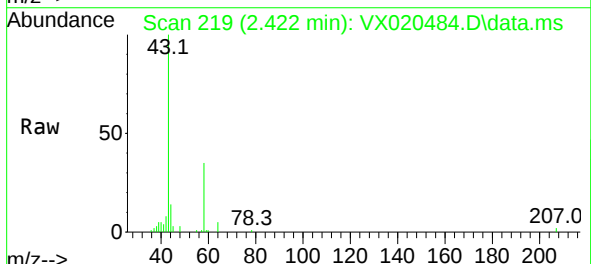
Acq: 31 Dec 2020 15:36

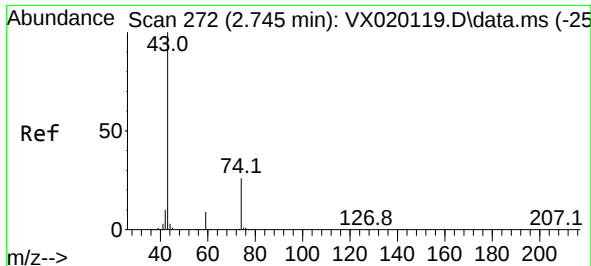
Tgt Ion: 43 Resp: 11048

Ion Ratio Lower Upper

43 100

58 35.1 27.8 41.8

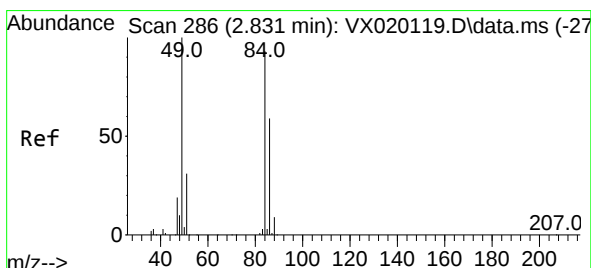
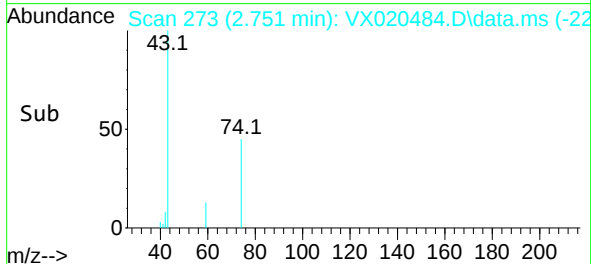
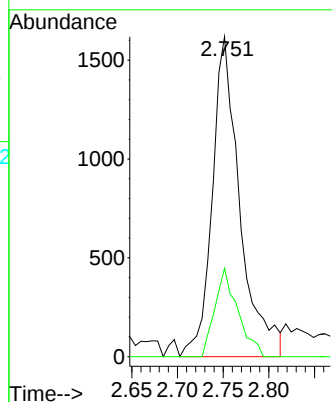
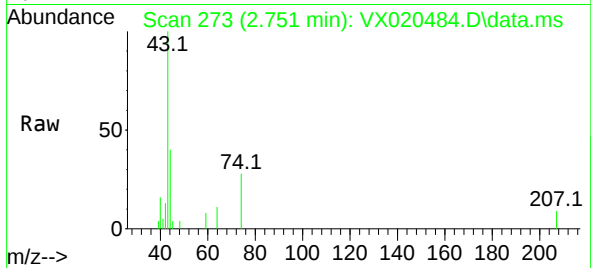




#18
Methyl Acetate
Concen: 1.02 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

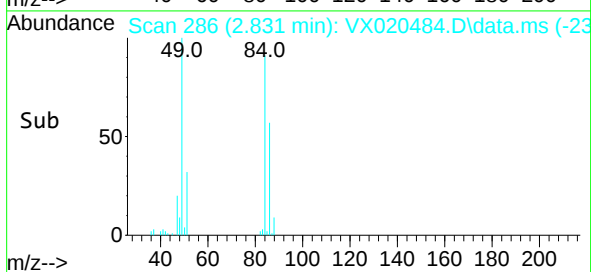
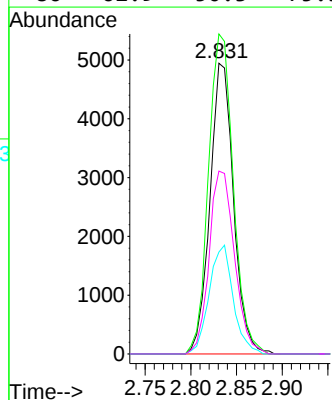
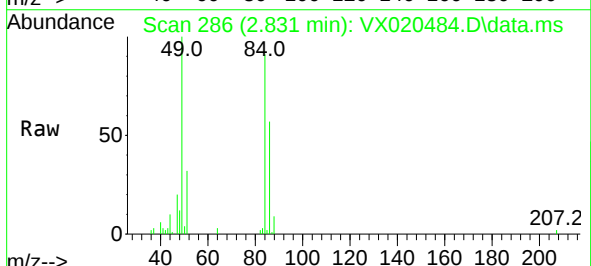
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

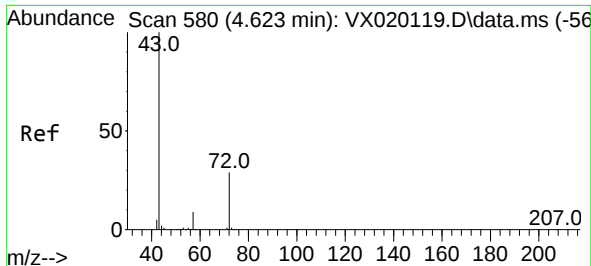
Tgt Ion: 43 Resp: 3408
Ion Ratio Lower Upper
43 100
74 22.8 21.9 32.9



#20
Methylene Chloride
Concen: 2.64 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 84 Resp: 8884
Ion Ratio Lower Upper
84 100
49 110.1 88.6 132.8
51 35.1 27.0 40.6
86 62.9 50.3 75.5

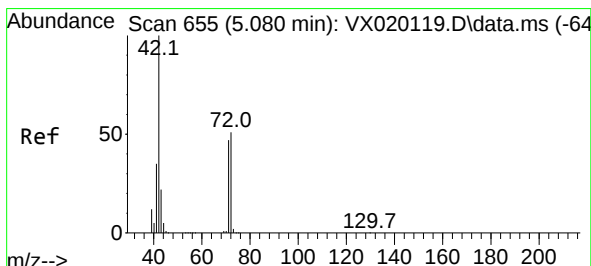
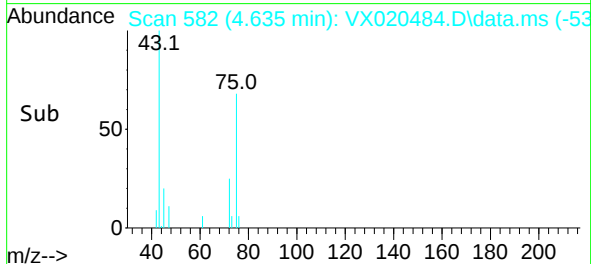
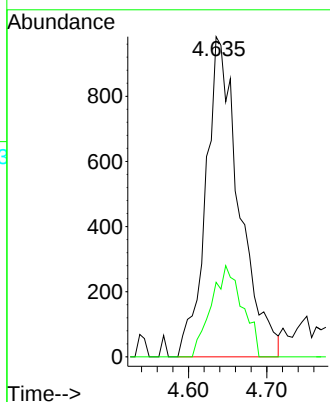
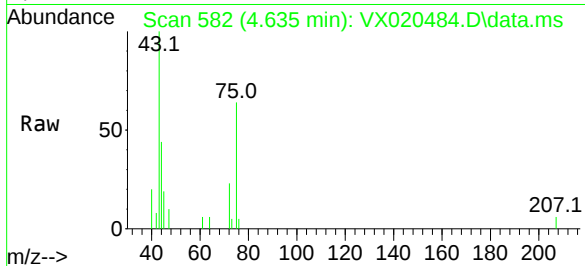




#25
2-Butanone
Concen: 1.34 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

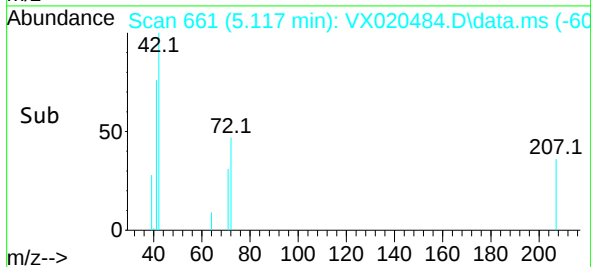
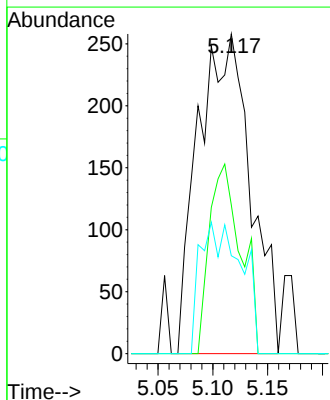
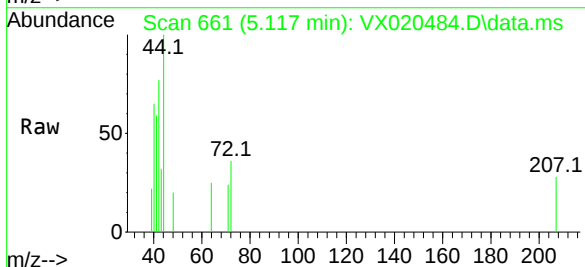
Instrument :
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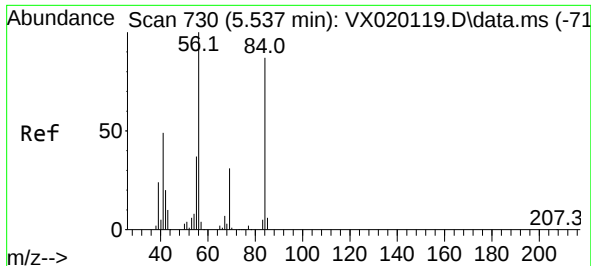
Tgt Ion: 43 Resp: 2918
Ion Ratio Lower Upper
43 100
72 23.3 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.63 ug/l
RT: 5.117 min Scan# 661
Delta R.T. 0.037 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

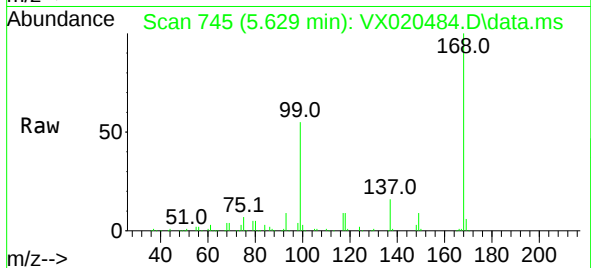
Tgt Ion: 42 Resp: 858
Ion Ratio Lower Upper
42 100
72 35.7 41.7 62.5#
71 32.5 38.4 57.6#



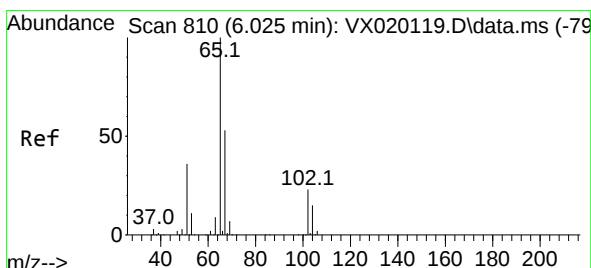
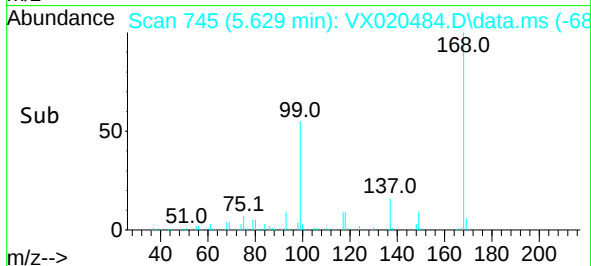
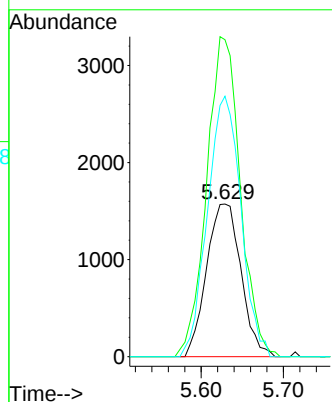


#31
Cyclohexane
Concen: 1.01 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Instrument :
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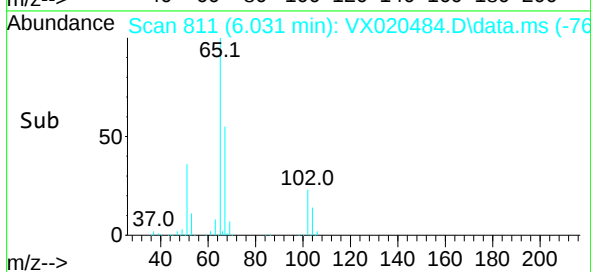
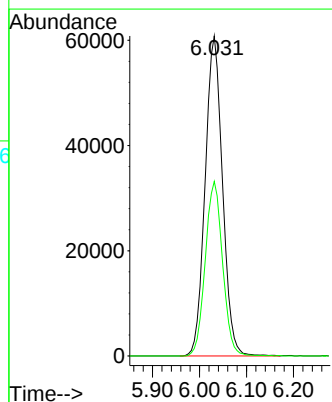
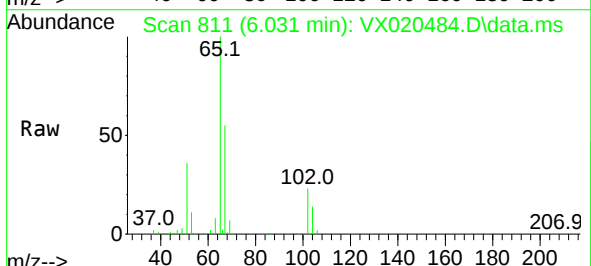


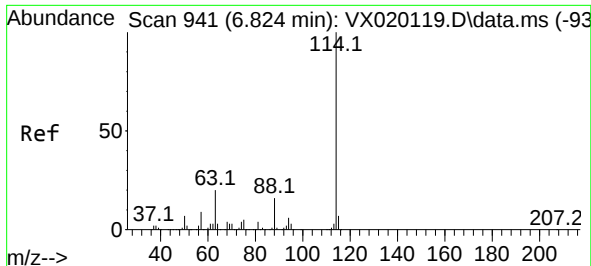
Tgt Ion: 56 Resp: 4572
Ion Ratio Lower Upper
56 100
69 207.6 25.3 37.9#
84 170.6 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 47.61 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 65 Resp: 155998
Ion Ratio Lower Upper
65 100
67 54.4 0.0 105.4

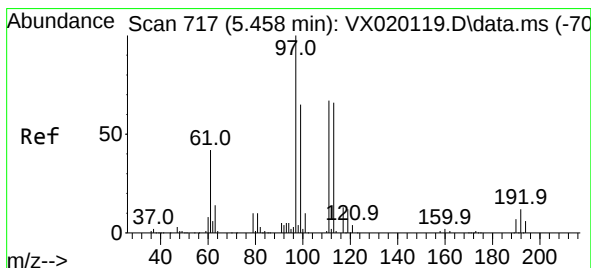
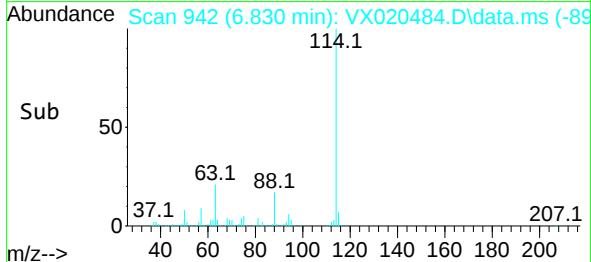
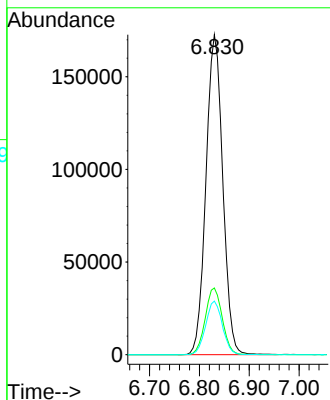
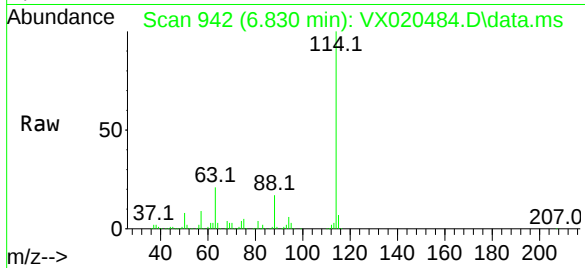




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

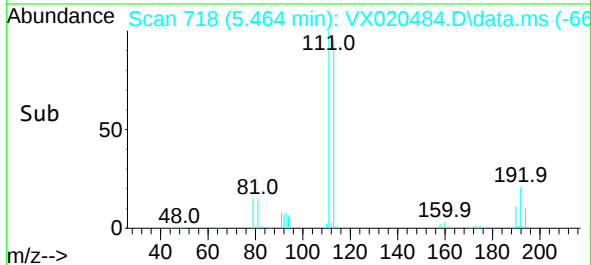
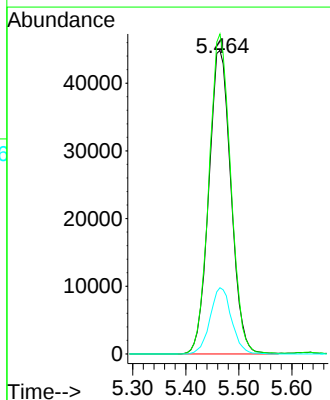
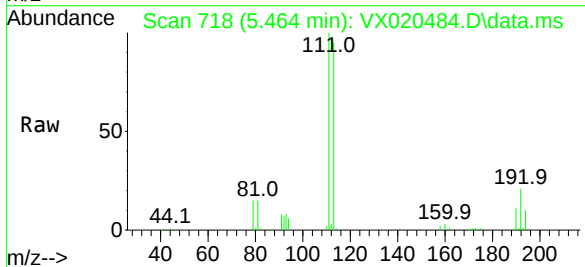
Instrument :
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ClientSampleId :
PB133875ZHE#13

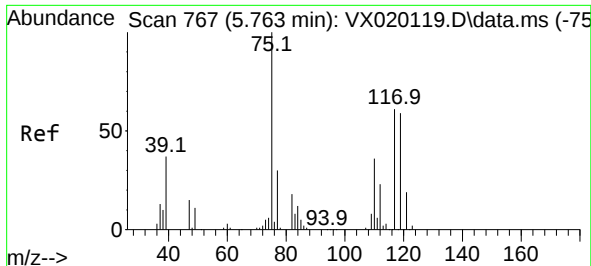
Tgt Ion:114 Resp: 404136
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 16.8 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.32 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion:113 Resp: 130099
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 21.1 16.7 25.1

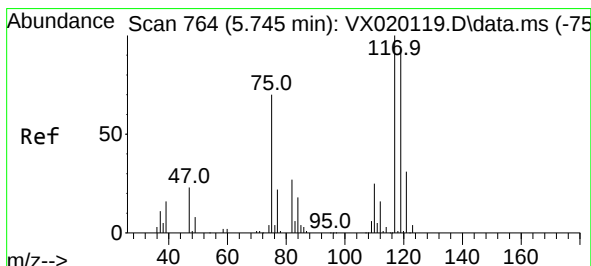
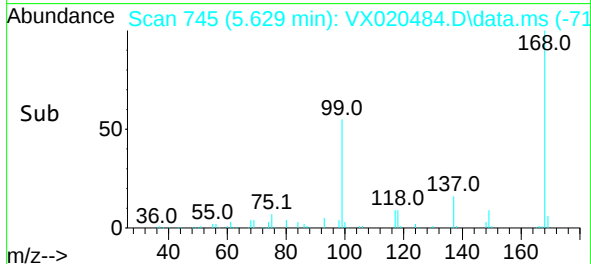
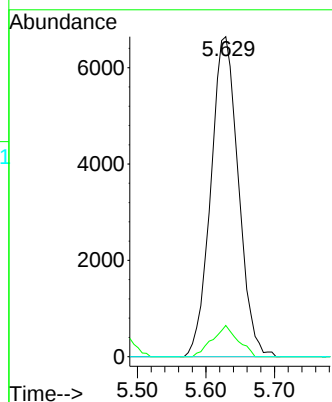
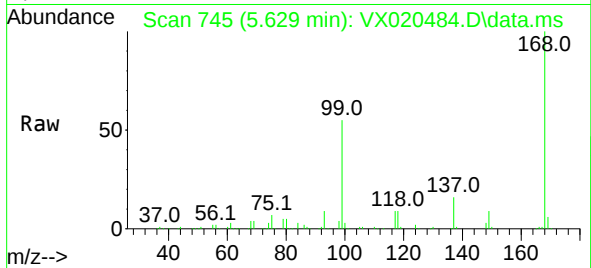




#36
1,1-Dichloropropene
Concen: 4.64 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

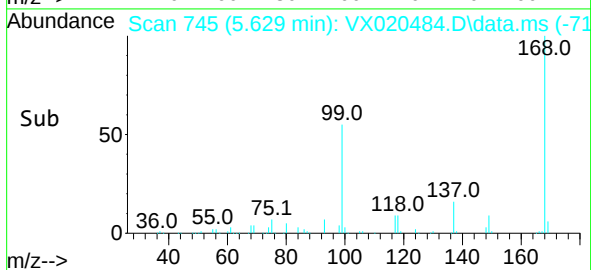
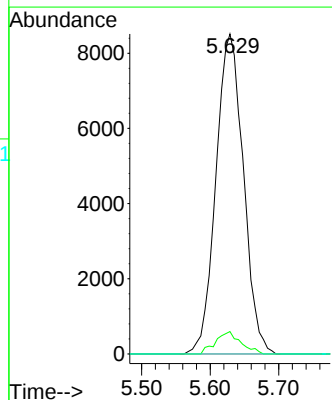
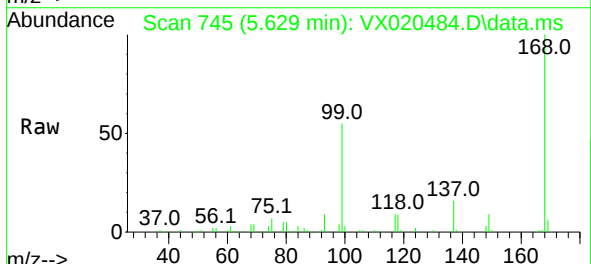
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

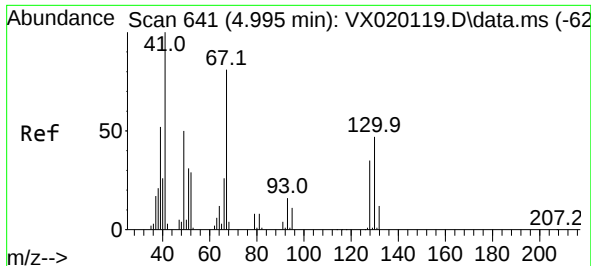
Tgt Ion: 75 Resp: 18542
Ion Ratio Lower Upper
75 100
110 9.0 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.23 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 117 Resp: 23679
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#

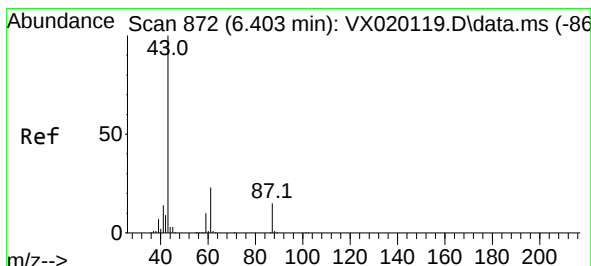
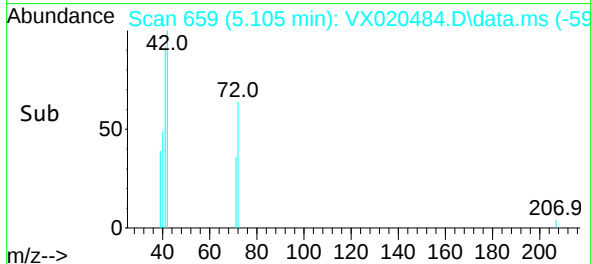
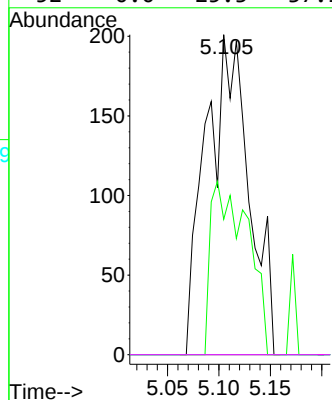
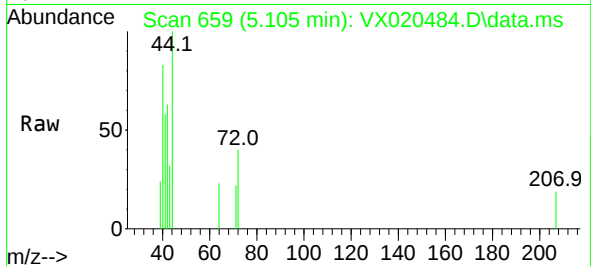




#41
Methacrylonitrile
Concen: 0.27 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.110 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

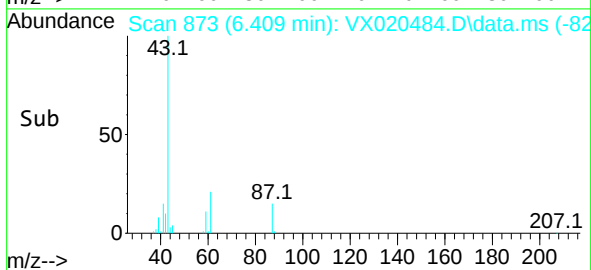
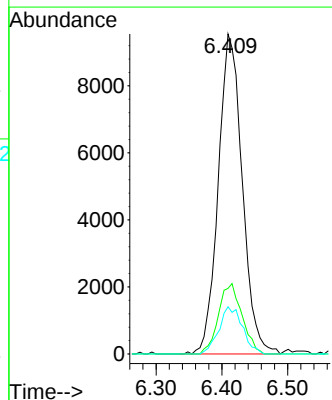
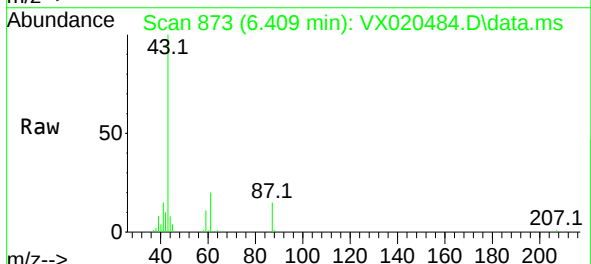
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

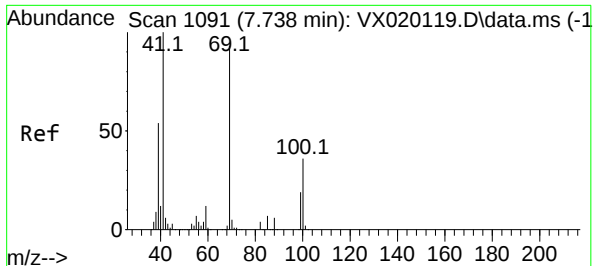
Tgt Ion: 41	Resp: 587
Ion Ratio	Lower Upper
41 100	
39 46.3	42.5 63.7
67 0.0	65.0 97.6#
52 0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 3.70 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 43	Resp: 24249
Ion Ratio	Lower Upper
43 100	
61 21.6	18.2 27.4
87 14.5	12.5 18.7

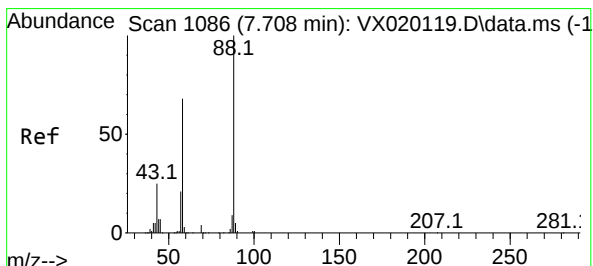
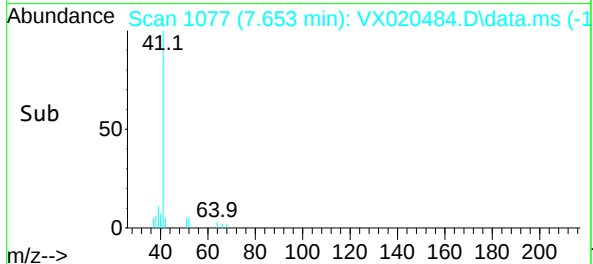
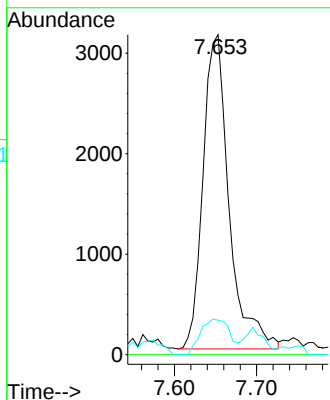
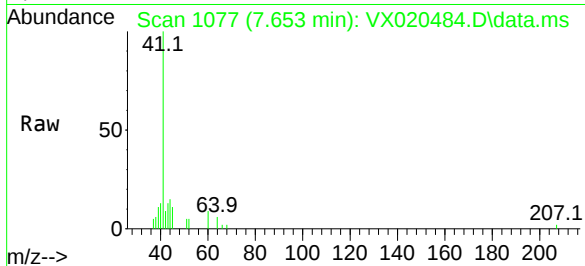




#48
Methyl methacrylate
Concen: 2.15 ug/l
RT: 7.653 min Scan# 1077
Delta R.T. -0.085 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

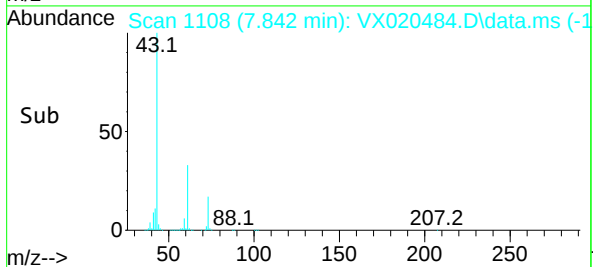
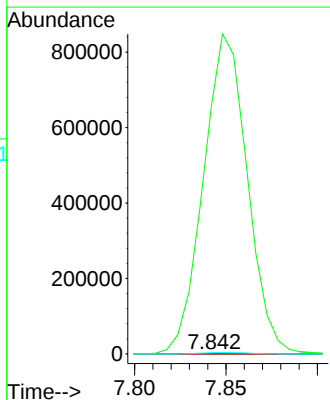
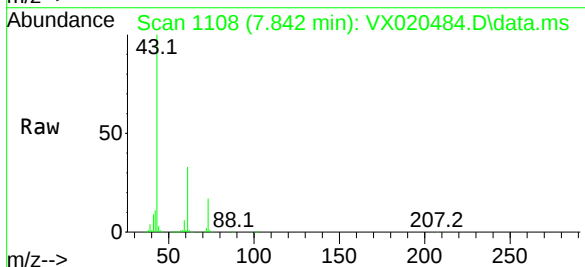
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

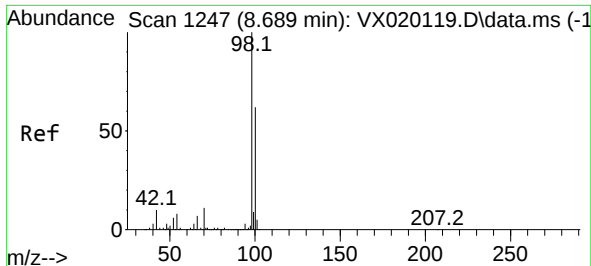
Tgt Ion: 41 Resp: 6903
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.95 ug/l
RT: 7.842 min Scan# 1108
Delta R.T. 0.134 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 88 Resp: 297
Ion Ratio Lower Upper
88 100
43 479705.1 23.2 34.8#
58 2487.2 55.0 82.4#

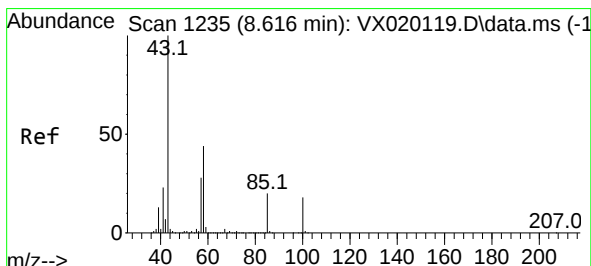
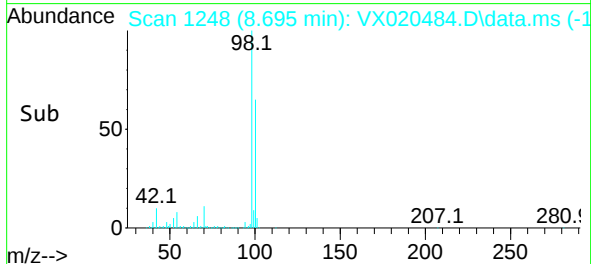
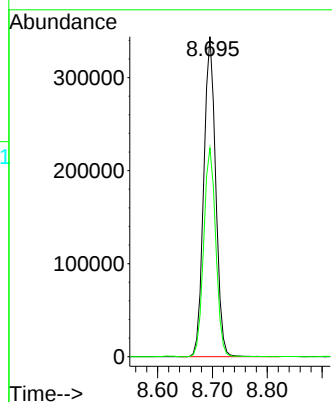
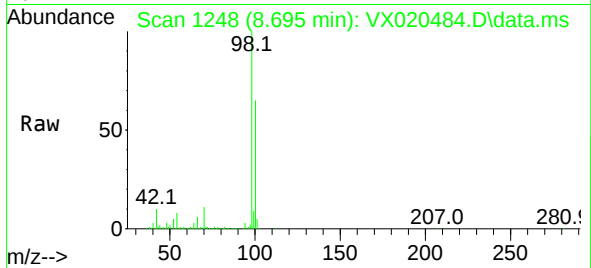




#50
Toluene-d8
Concen: 52.16 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

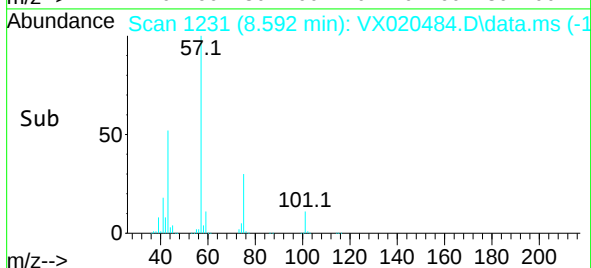
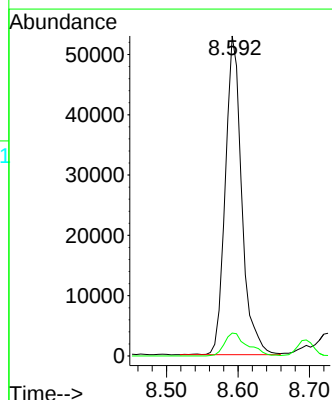
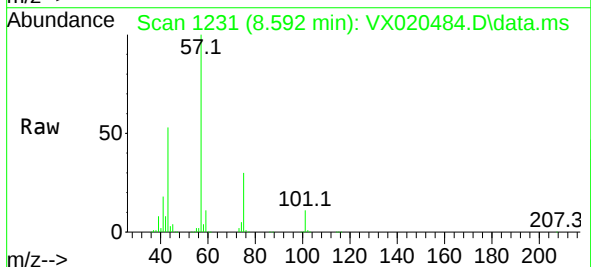
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

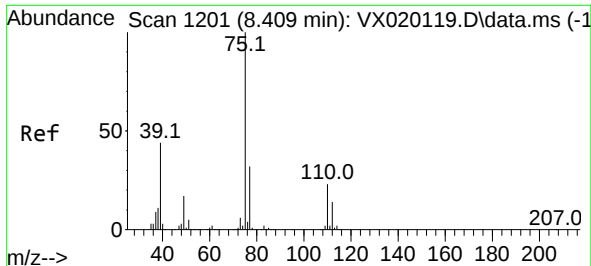
Tgt Ion: 98 Resp: 519080
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 20.79 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 43 Resp: 84356
Ion Ratio Lower Upper
43 100
58 10.1 35.4 53.0#

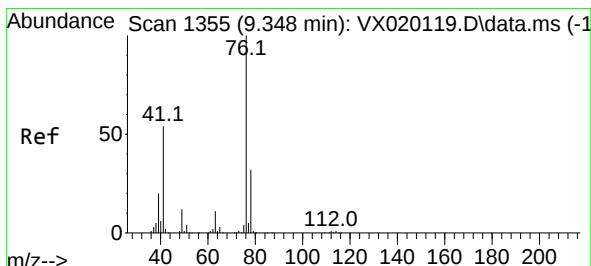
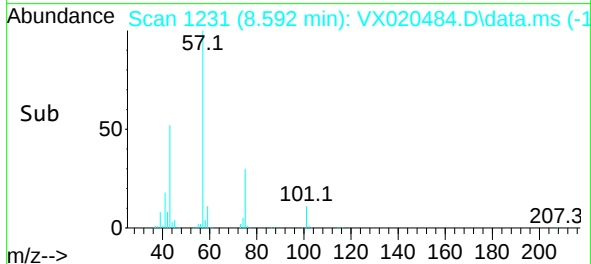
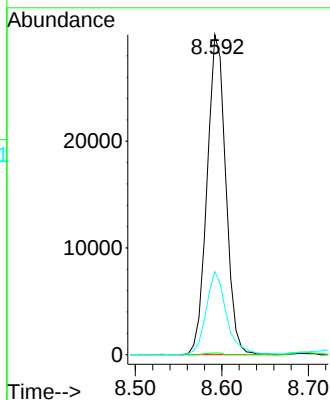
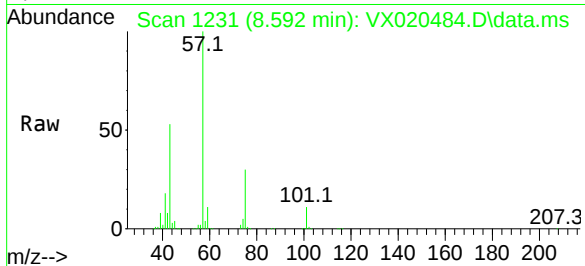




#54
cis-1,3-Dichloropropene
Concen: 9.06 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

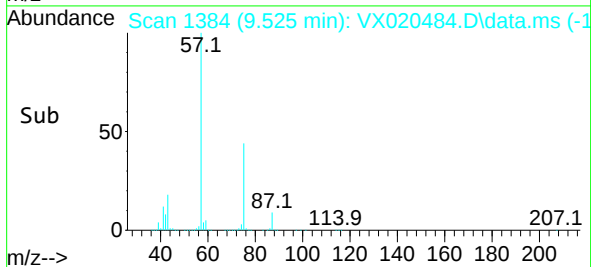
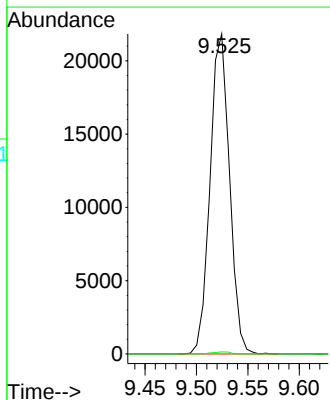
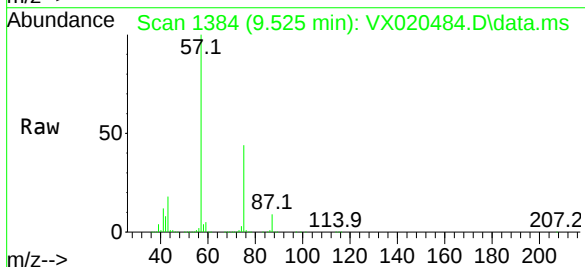
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

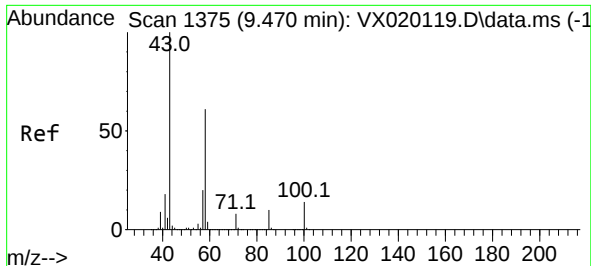
Tgt Ion: 75 Resp: 44857
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 26.0 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 5.38 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 76 Resp: 28665
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

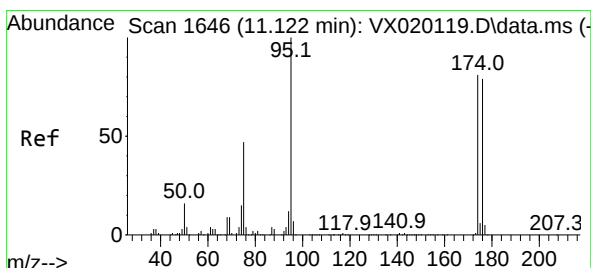
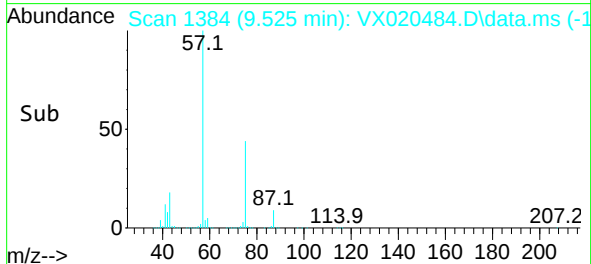
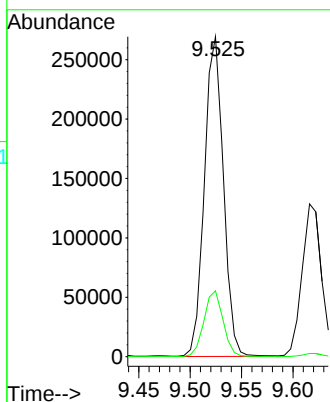
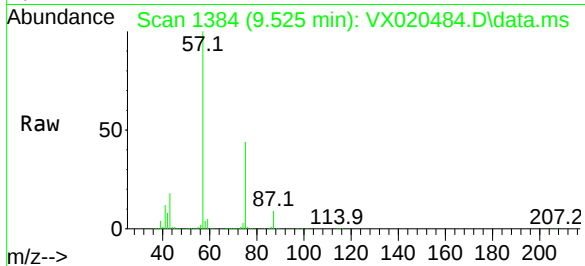




#59
2-Hexanone
Concen: 112.23 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

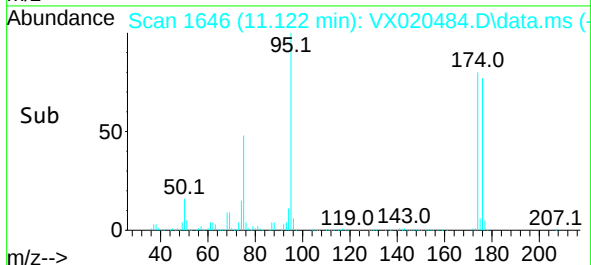
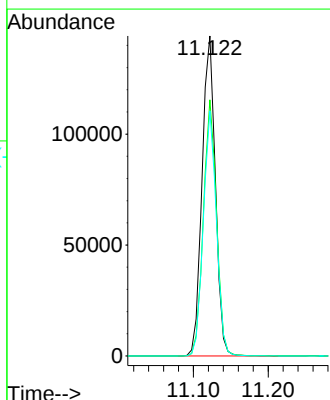
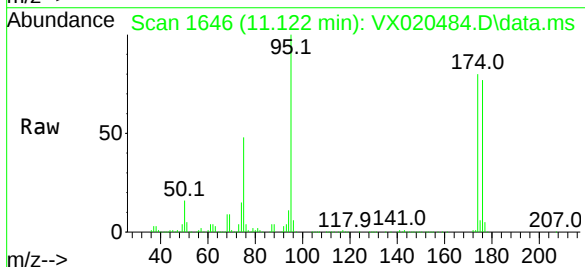
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

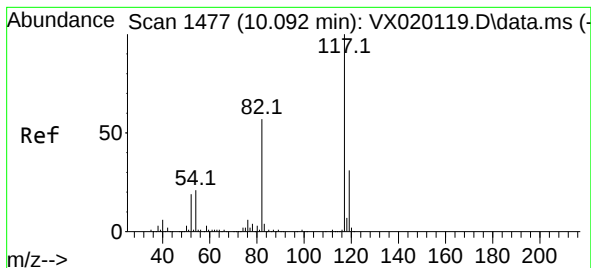
Tgt Ion: 43 Resp: 346941
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.91 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion: 95 Resp: 178655
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.6
176 75.2 0.0 155.8

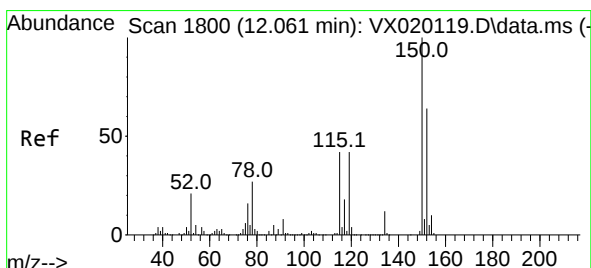
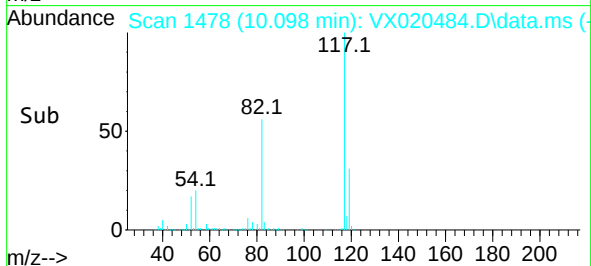
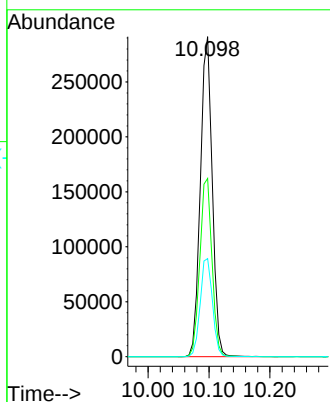
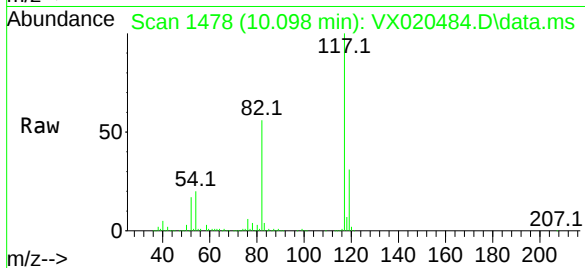




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

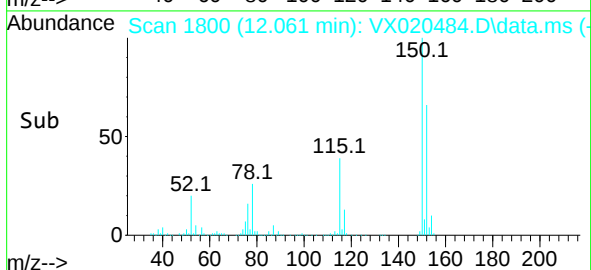
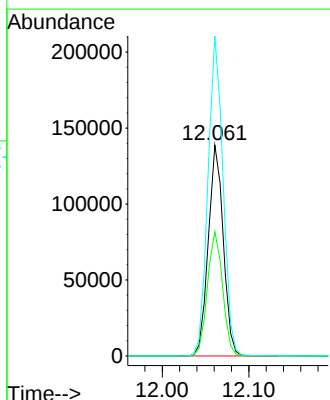
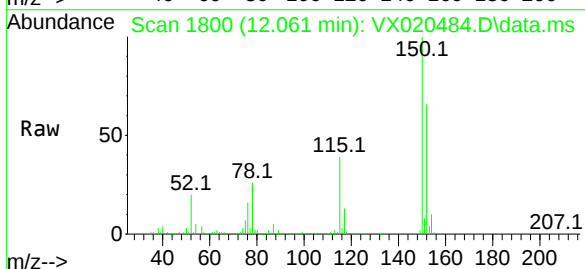
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

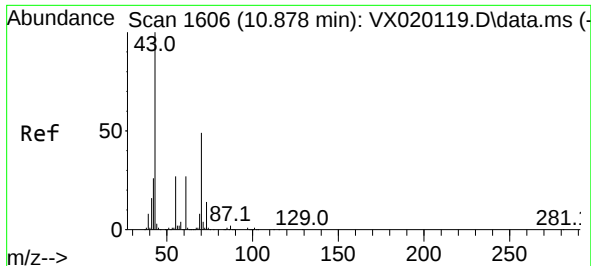
Tgt Ion:117 Resp: 395697
Ion Ratio Lower Upper
117 100
82 55.7 47.4 71.2
119 30.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

Tgt Ion:152 Resp: 167224
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 152.4 0.0 349.0

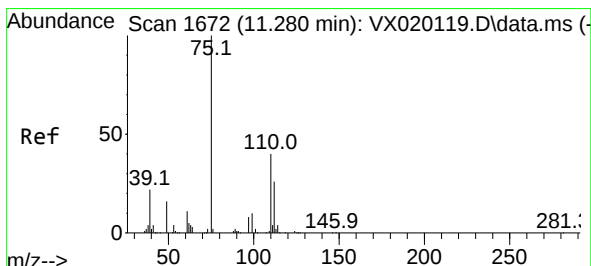
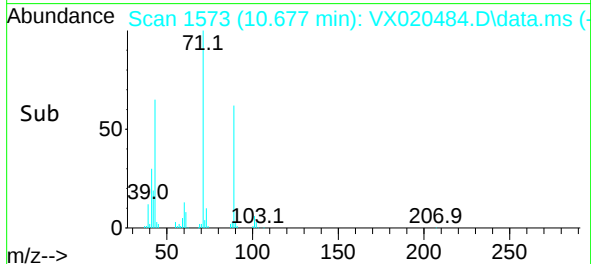
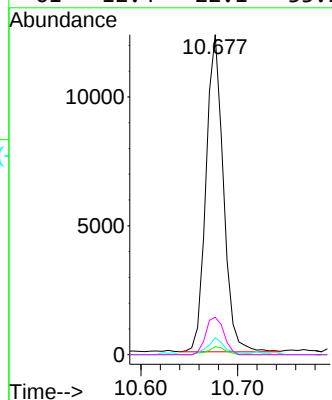
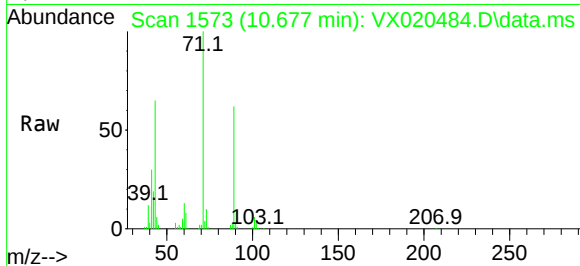




#74
N-amy1 acetate
Concen: 3.16 ug/l
RT: 10.677 min Scan# 1573
Delta R.T. -0.201 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

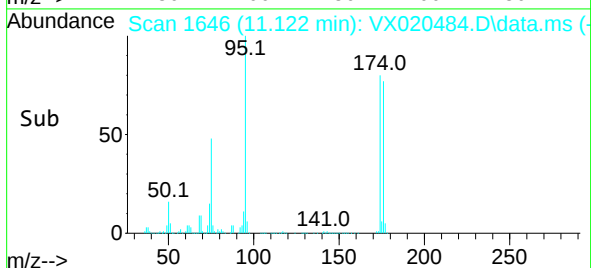
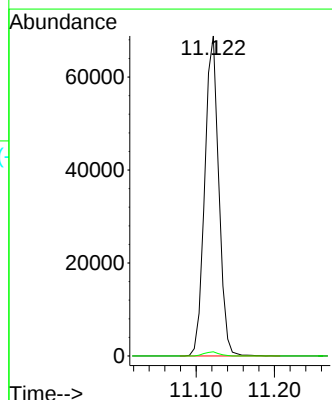
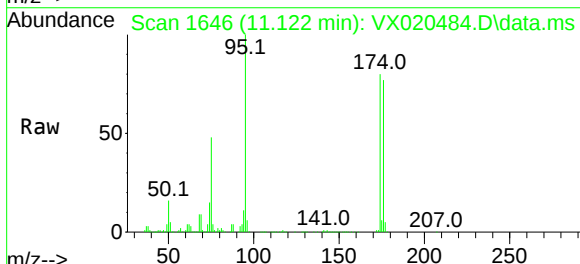
Instrument :
MSVOA_X
ClientSampleId :
PB133875ZHE#13

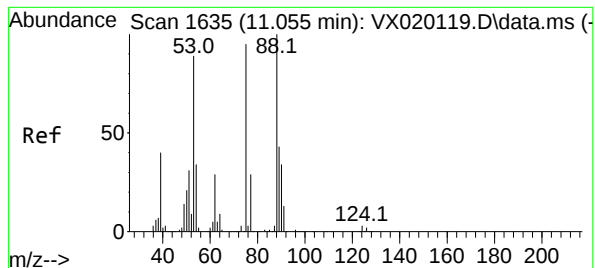
Tgt Ion: 43	Resp: 15368
Ion Ratio	Lower Upper
43 100	
70 2.6	39.0 58.6#
55 5.4	21.5 32.3#
61 12.4	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 20.77 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020484.D
Acq: 31 Dec 2020 15:36

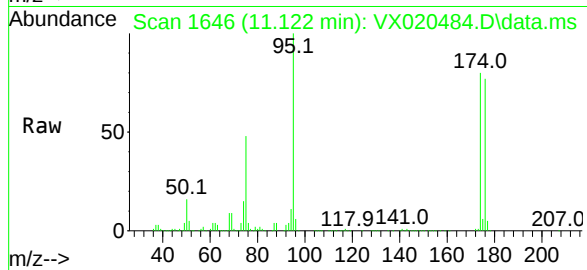
Tgt Ion: 75	Resp: 85535
Ion Ratio	Lower Upper
75 100	
77 1.4	19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.61 ug/l
 RT: 11.122 min Scan# 1646
 Delta R.T. 0.067 min
 Lab File: VX020484.D
 Acq: 31 Dec 2020 15:36

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133875ZHE#13



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	74.5	111.7#
89	0.0	37.9	56.9#

