

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020270.D
 Acq On : 21 Dec 2020 23:49
 Operator : JC/MD
 Sample : PB133709ZHE#01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133709ZHE#01

Quant Time: Dec 22 05:15:05 2020
 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)

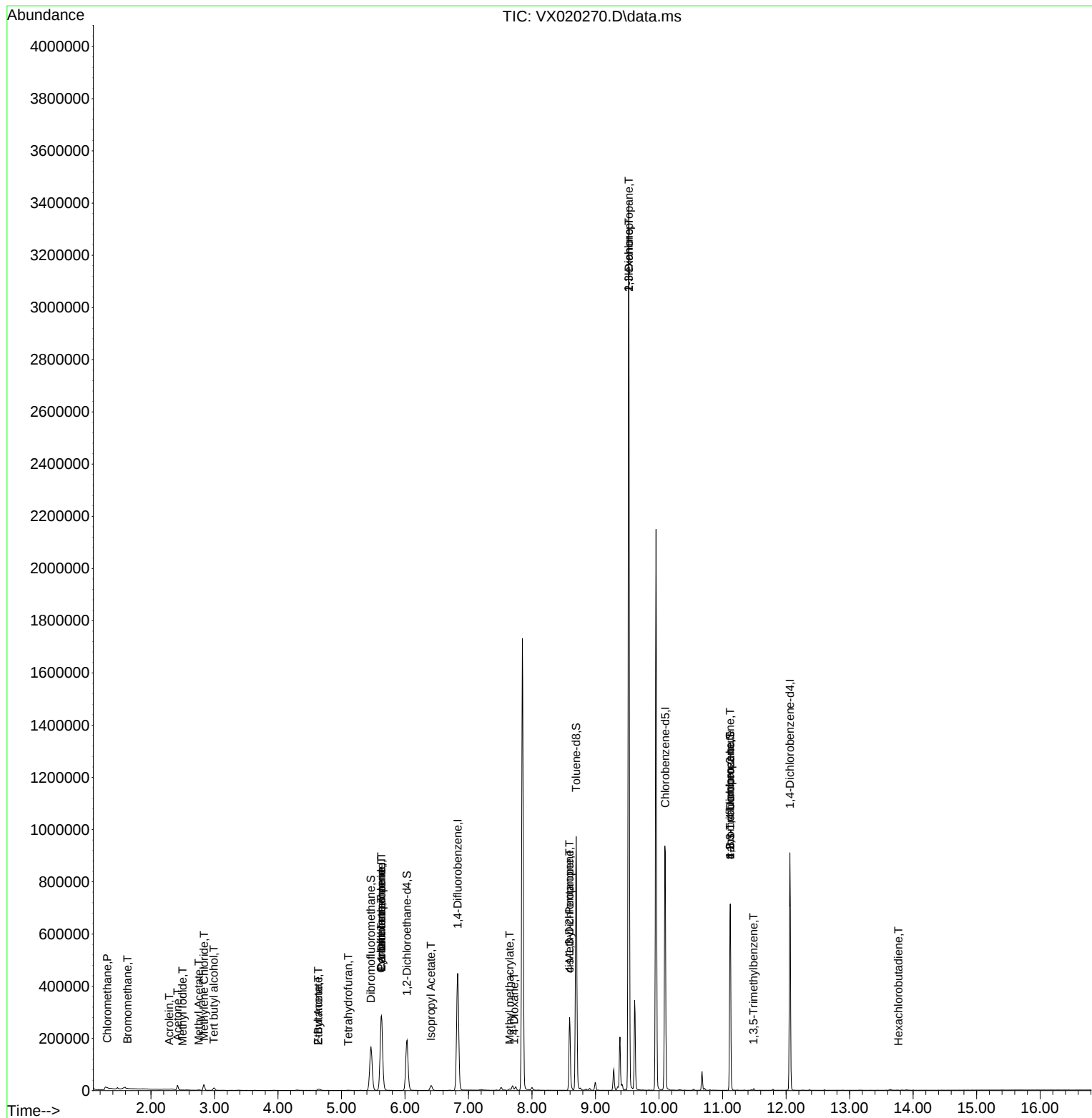
Internal Standards						
1) Pentafluorobenzene	5.629	168	270051	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	455610	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	435695	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	183281	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	180349	49.82	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.64%		
35) Dibromofluoromethane	5.464	113	144207	49.48	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	98.96%		
50) Toluene-d8	8.696	98	574109	51.17	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	102.34%		
62) 4-Bromofluorobenzene	11.122	95	199049	46.36	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.72%		
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	959	0.28	ug/l #	79
5) Bromomethane	1.630	94	981	0.83	ug/l #	80
10) Methyl Iodide	2.495	142	780	3.49	ug/l #	88
11) Tert butyl alcohol	2.989	59	5938	7.33	ug/l #	73
13) Acrolein	2.288	56	142	0.28	ug/l #	76
16) Acetone	2.416	43	18063	10.94	ug/l	99
18) Methyl Acetate	2.752	43	2525	0.69	ug/l #	88
20) Methylene Chloride	2.837	84	10131	2.72	ug/l	94
25) 2-Butanone	4.635	43	7098	2.95	ug/l	95
29) Tetrahydrofuran	5.105	42	927	0.61	ug/l #	70
31) Cyclohexane	5.623	56	5391	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	21261	4.72	ug/l #	48
37) Ethyl Acetate	4.635	43	7098	1.52	ug/l #	67
38) Carbon Tetrachloride	5.629	117	26843	6.27	ug/l #	17
43) Isopropyl Acetate	6.409	43	24649	3.34	ug/l	99
48) Methyl methacrylate	7.647	41	7361	2.03	ug/l #	10
49) 1,4-Dioxane	7.720	88	18	0.21	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	87412	19.11	ug/l #	47
54) cis-1,3-Dichloropropene	8.592	75	46228	8.29	ug/l #	63
57) 1,3-Dichloropropane	9.525	76	29655	4.94	ug/l #	43
59) 2-Hexanone	9.525	43	363180	104.21	ug/l #	46
76) 1,2,3-Trichloropropane	11.122	75	96847	21.45	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2423	0.22	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.122	75	96847	63.64	ug/l #	12
94) Hexachlorobutadiene	13.768	225	155	2.73	ug/l #	66

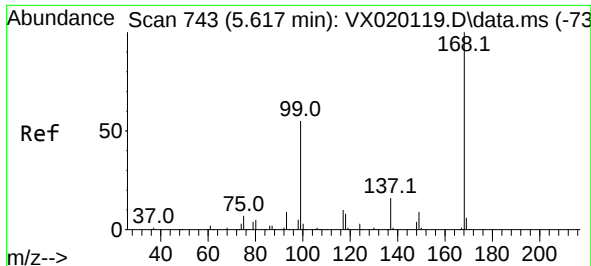
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 37 Sample Multiplier: 1

Instrument :
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Quant Time: Dec 22 05:15:05 2020
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

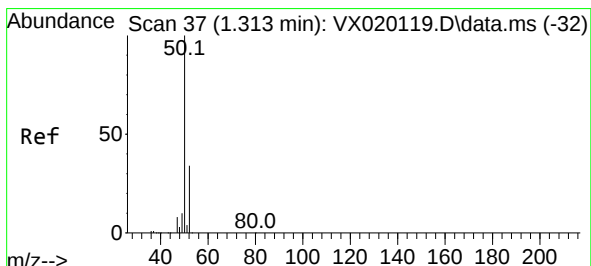
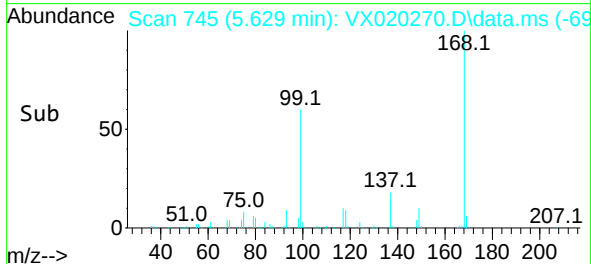
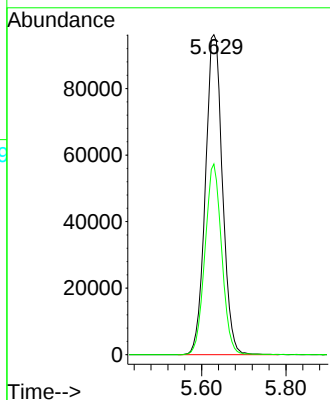
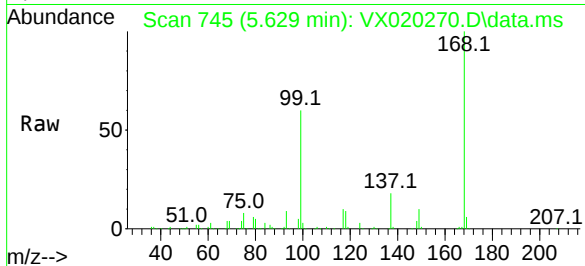




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

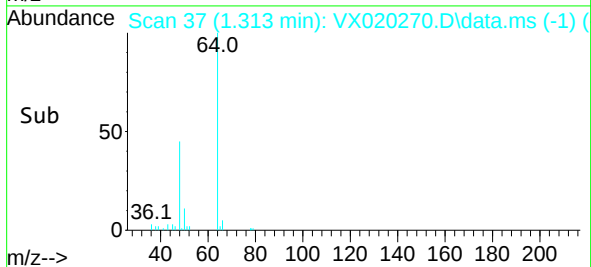
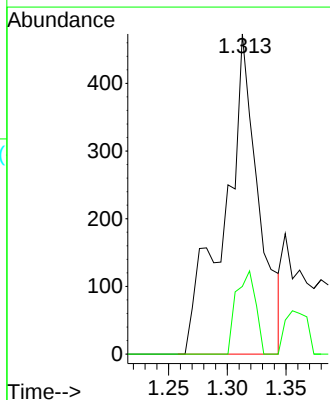
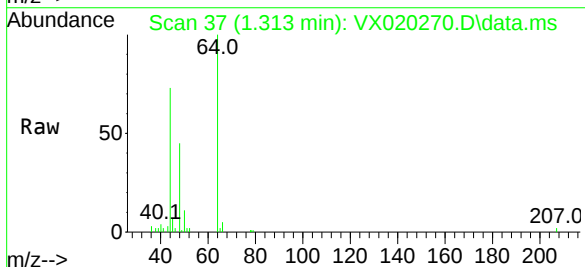
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

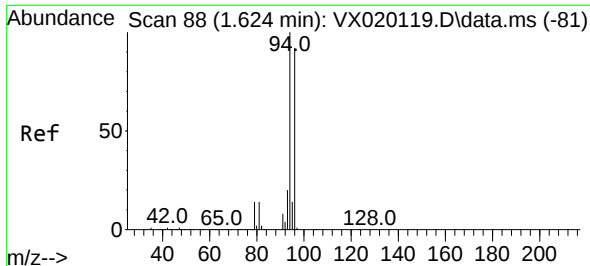
Tgt Ion:168 Resp: 270051
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.6



#3
Chloromethane
Concen: 0.28 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 50 Resp: 959
Ion Ratio Lower Upper
50 100
52 21.1 26.4 39.6#

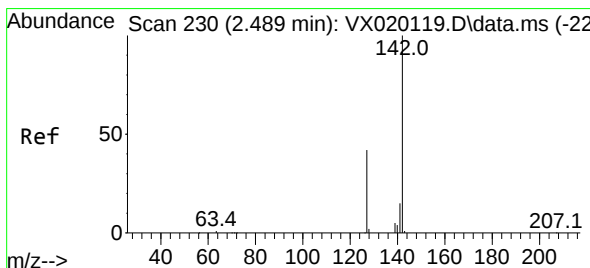
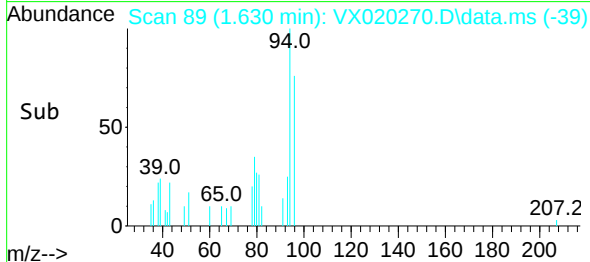
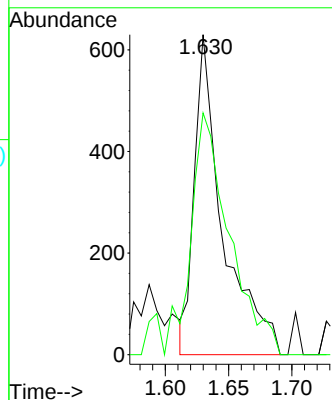
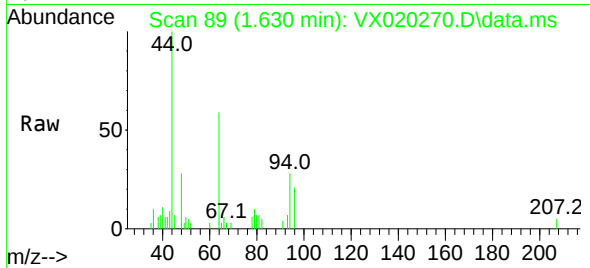




#5
Bromomethane
Concen: 0.83 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

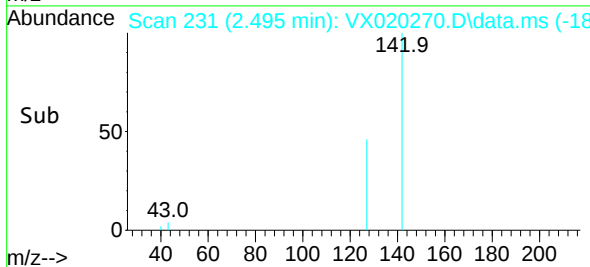
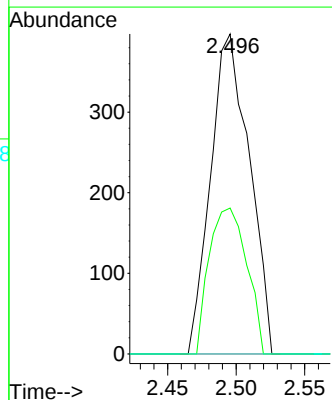
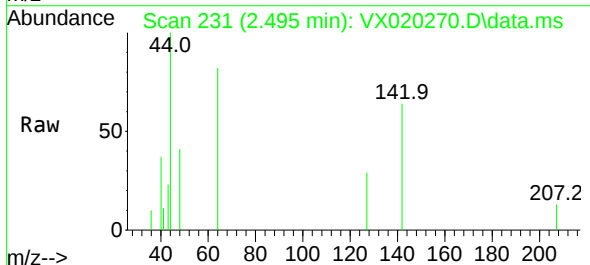
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

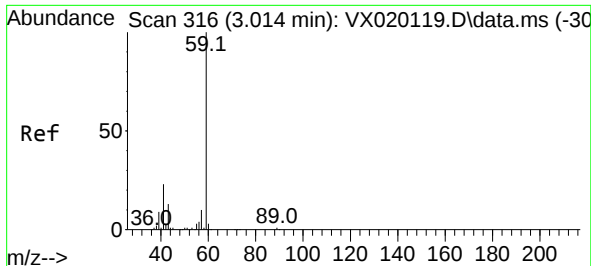
Tgt Ion: 94 Resp: 981
Ion Ratio Lower Upper
94 100
96 75.6 76.4 114.6#



#10
Methyl Iodide
Concen: 3.49 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 142 Resp: 780
Ion Ratio Lower Upper
142 100
127 44.2 33.3 49.9
141 0.0 11.4 17.0#

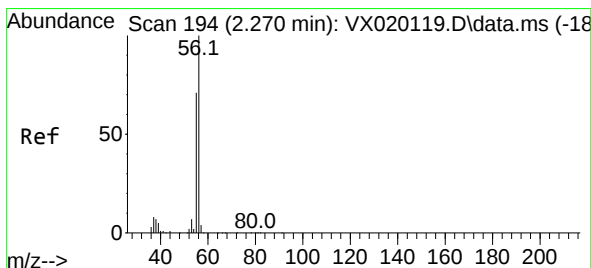
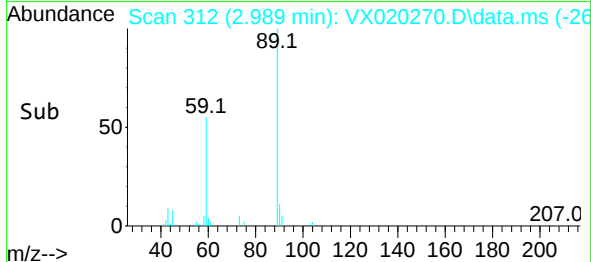
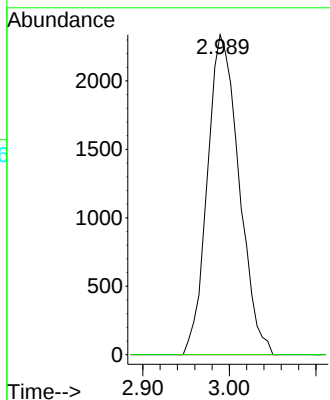
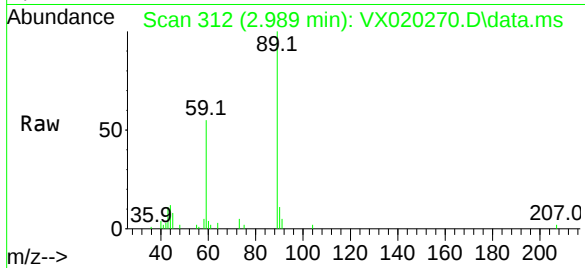




#11
Tert butyl alcohol
Concen: 7.33 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

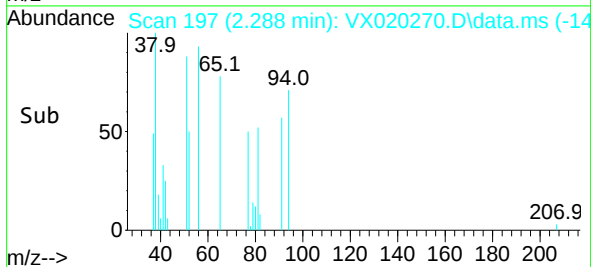
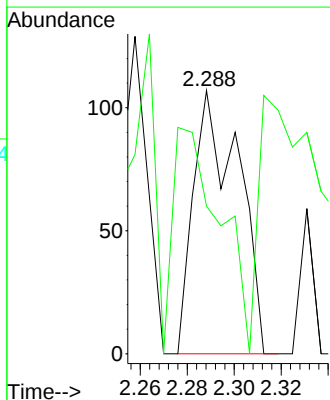
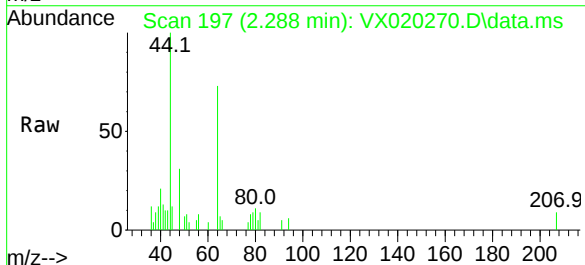
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

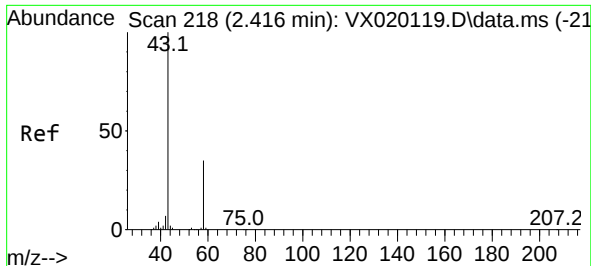
Tgt Ion: 59 Resp: 5938
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.28 ug/l
RT: 2.288 min Scan# 197
Delta R.T. 0.018 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 56 Resp: 142
Ion Ratio Lower Upper
56 100
55 90.1 56.4 84.6#

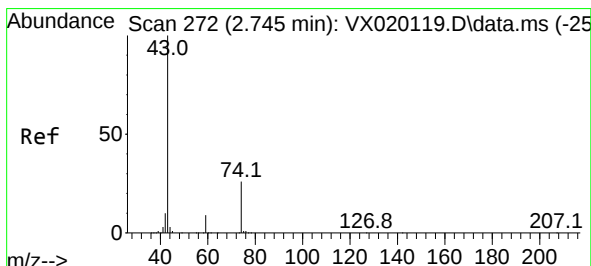
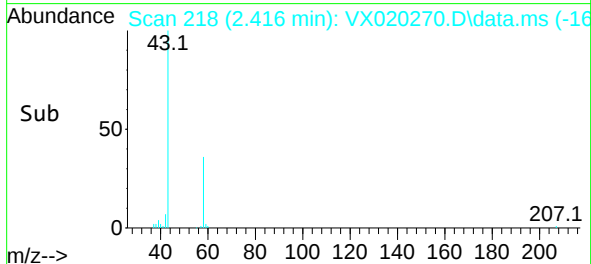
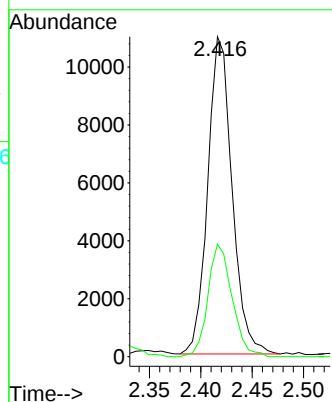
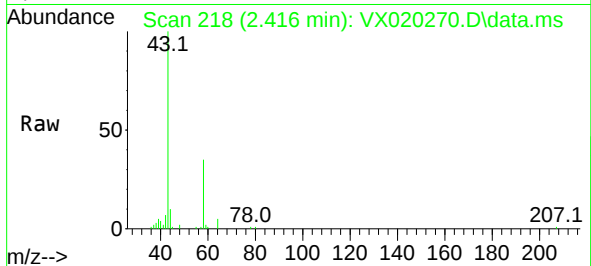




#16
Acetone
Concen: 10.94 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

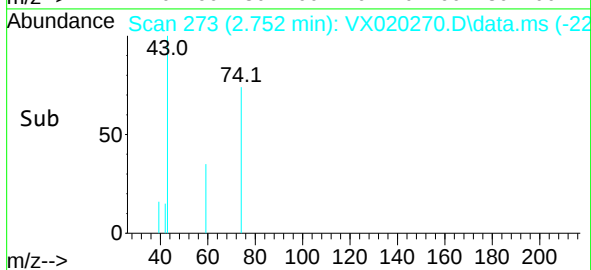
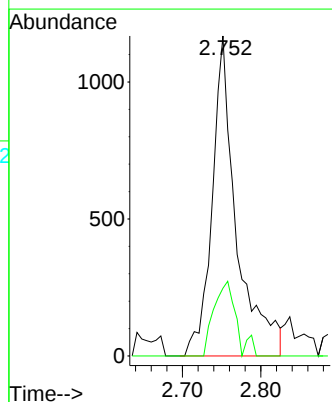
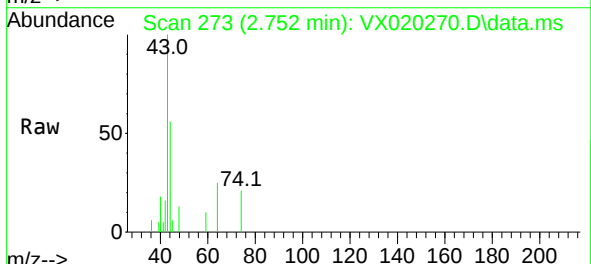
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

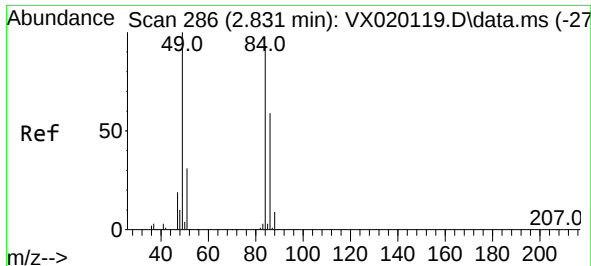
Tgt Ion: 43 Resp: 18063
Ion Ratio Lower Upper
43 100
58 35.5 27.8 41.8



#18
Methyl Acetate
Concen: 0.69 ug/l
RT: 2.752 min Scan# 273
Delta R.T. 0.007 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 43 Resp: 2525
Ion Ratio Lower Upper
43 100
74 21.4 21.9 32.9#

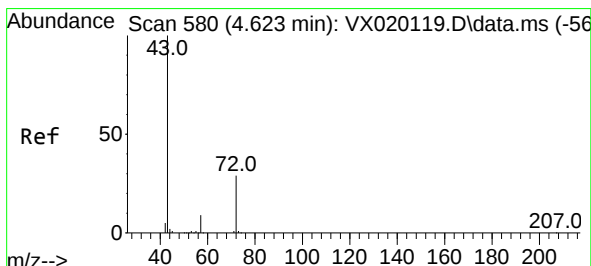
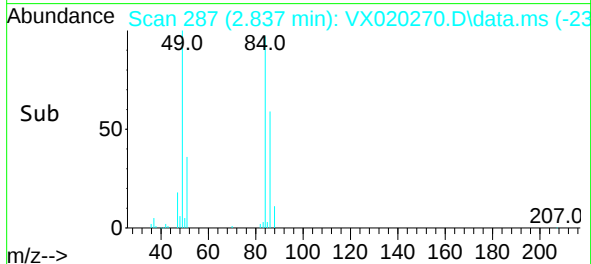
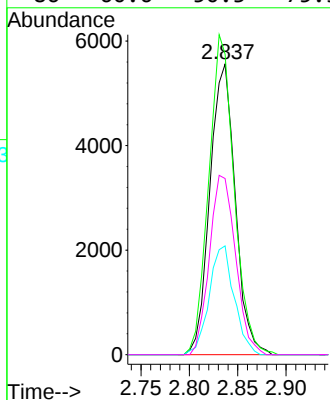
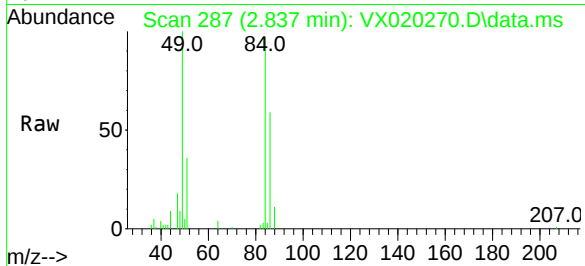




#20
Methylene Chloride
Concen: 2.72 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

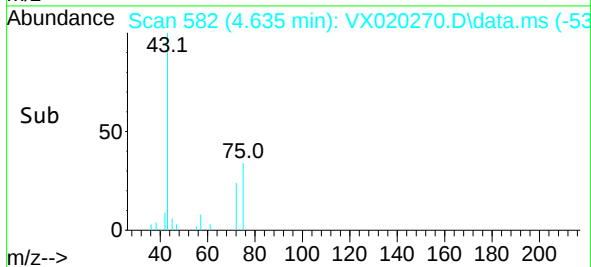
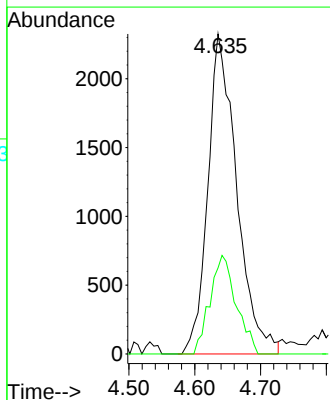
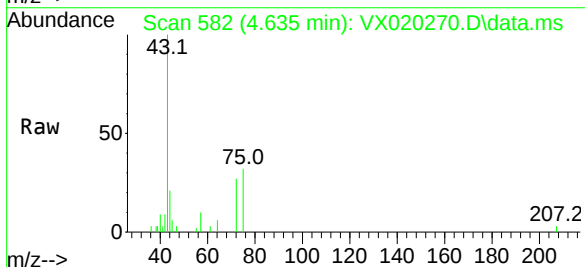
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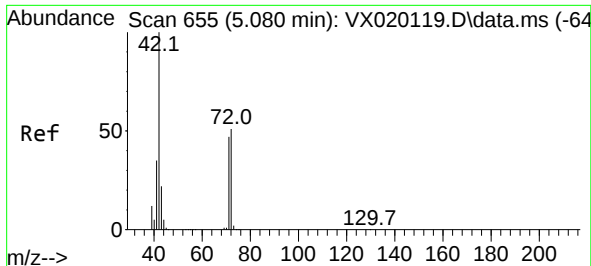
Tgt Ion: 84	Resp: 10131
Ion Ratio	Lower Upper
84 100	
49 103.5	88.6 132.8
51 37.5	27.0 40.6
86 60.6	50.3 75.5



#25
2-Butanone
Concen: 2.95 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 43	Resp: 7098		
Ion Ratio	Lower	Upper	
43 100			
72 26.9	23.7	35.5	





#29

Tetrahydrofuran

Concen: 0.61 ug/l

RT: 5.105 min Scan# 659

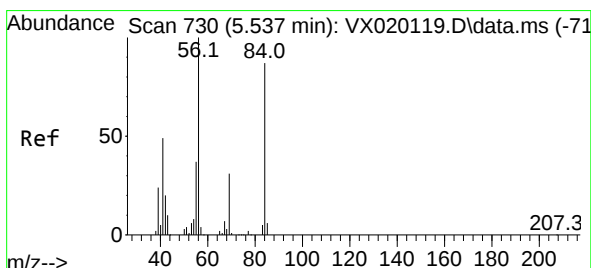
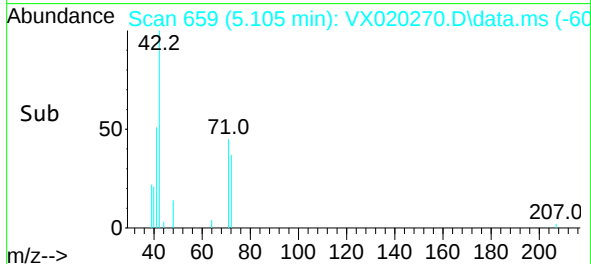
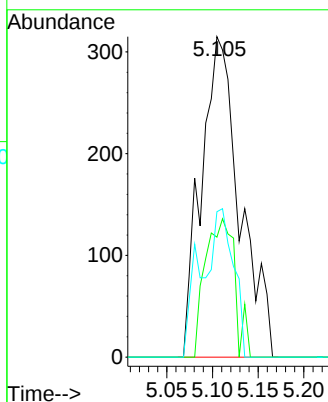
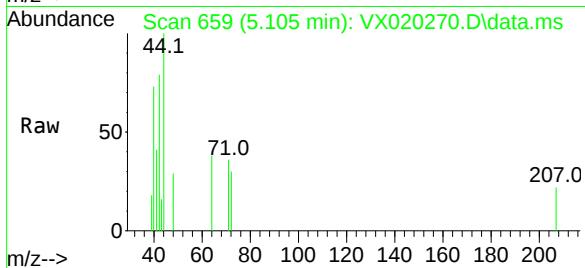
Delta R.T. 0.025 min

Lab File: VX020270.D

Acq: 21 Dec 2020 23:49

Tgt Ion:	42	Resp:	927
Ion	Ratio	Lower	Upper
42	100		
72	32.9	41.7	62.5#
71	25.8	38.4	57.6#

Instrument :
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ClientSampleId :
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#31

Cyclohexane

Concen: 1.08 ug/l

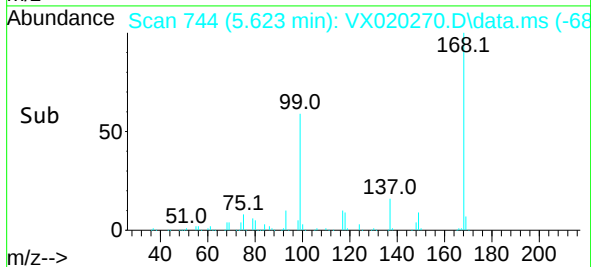
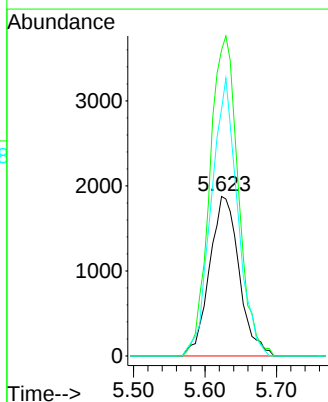
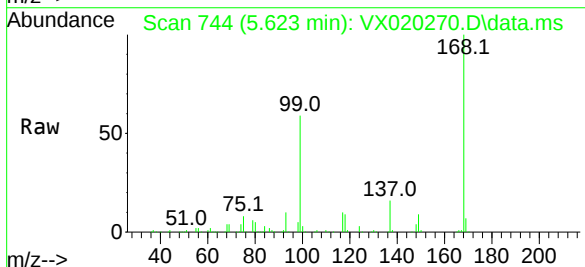
RT: 5.623 min Scan# 744

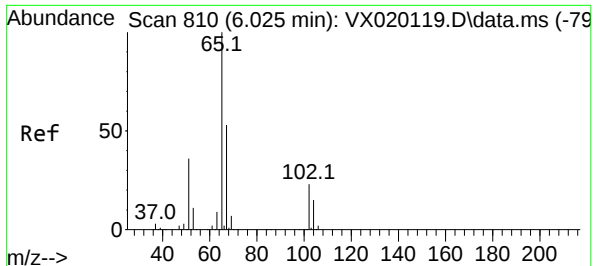
Delta R.T. 0.086 min

Lab File: VX020270.D

Acq: 21 Dec 2020 23:49

Tgt Ion:	56	Resp:	5391
Ion	Ratio	Lower	Upper
56	100		
69	191.7	25.3	37.9#
84	154.7	71.4	107.0#

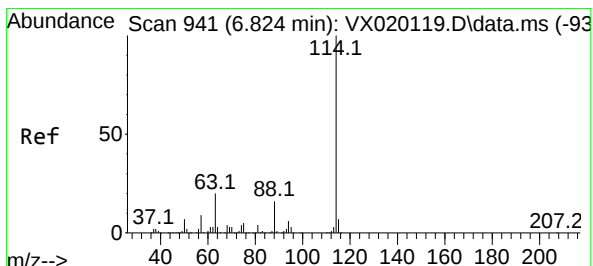
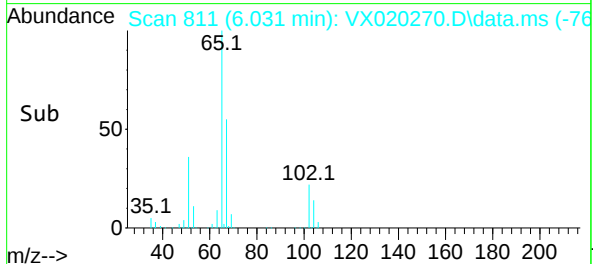
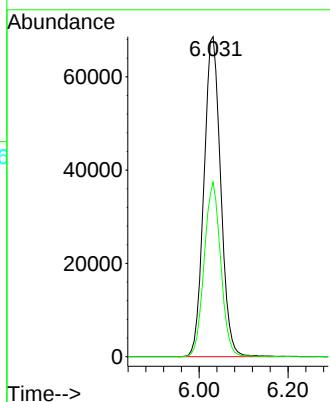
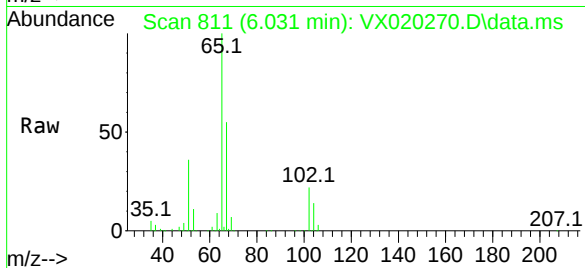




#33
1,2-Dichloroethane-d4
Concen: 49.82 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

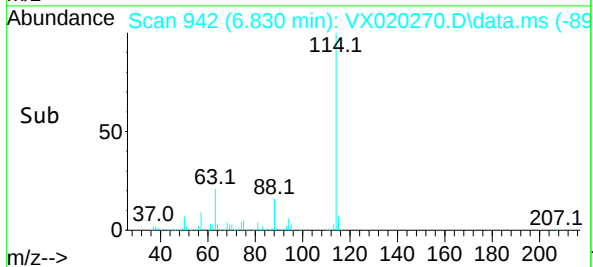
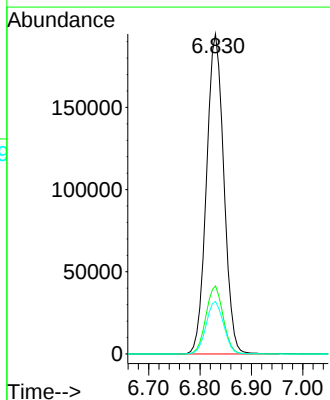
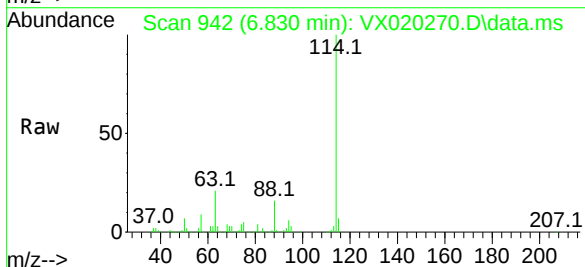
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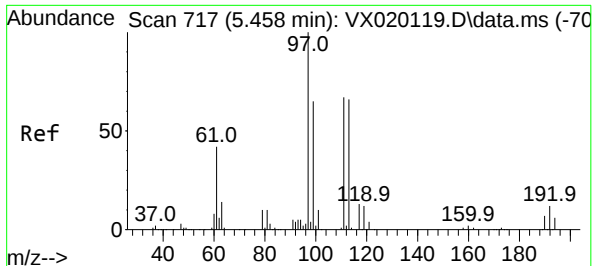
Tgt Ion: 65 Resp: 180349
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 114 Resp: 455610
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.4 0.0 32.8

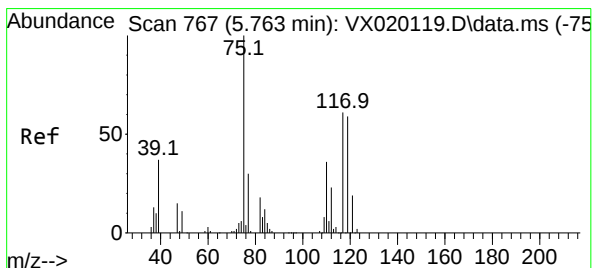
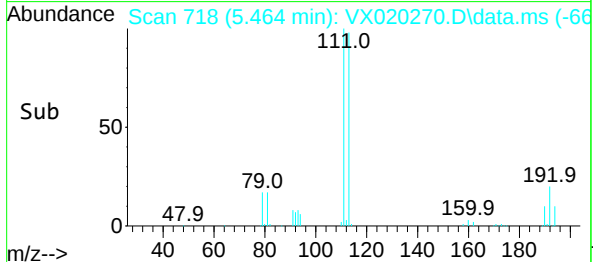
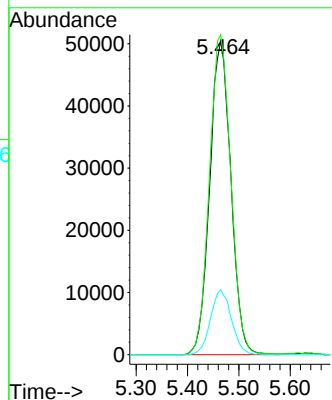
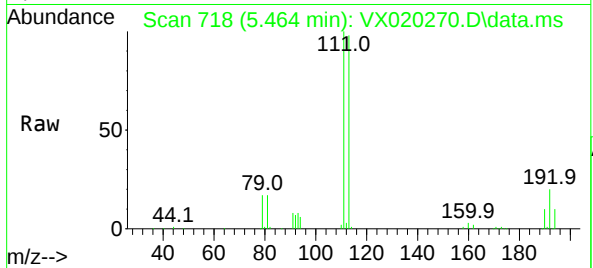




#35
Dibromofluoromethane
Concen: 49.48 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

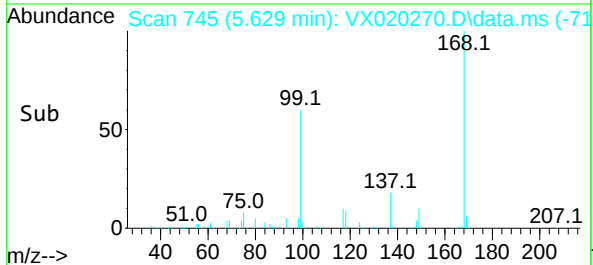
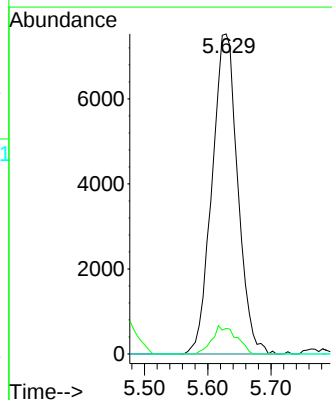
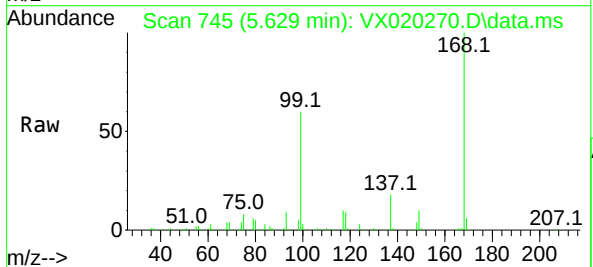
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

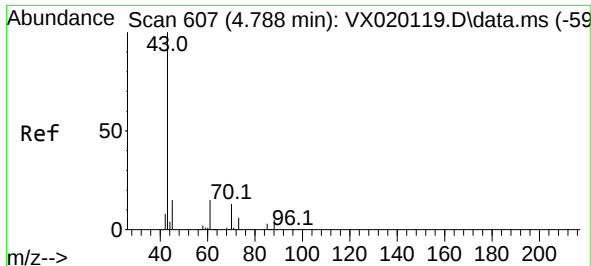
Tgt Ion:113 Resp: 144207
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.5 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 75 Resp: 21261
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.52 ug/l

RT: 4.635 min Scan# 582

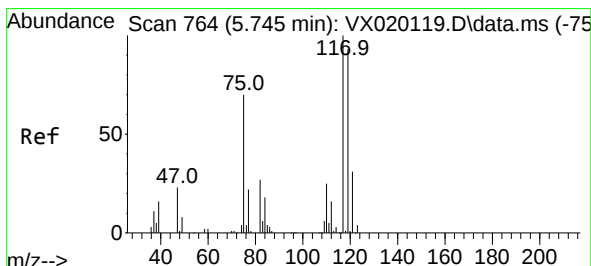
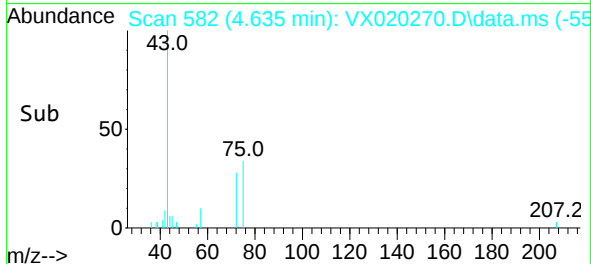
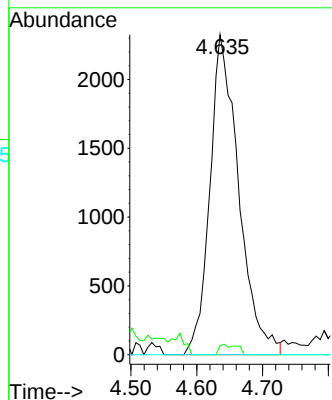
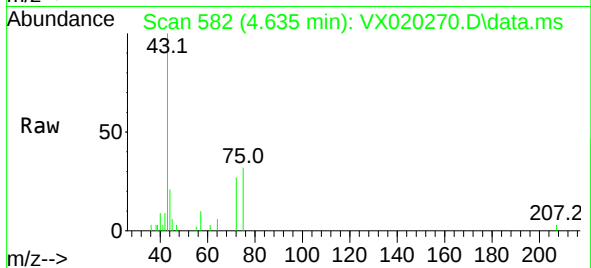
Delta R.T. -0.153 min

Lab File: VX020270.D

Acq: 21 Dec 2020 23:49

Tgt Ion: 43	Resp: 7098
Ion Ratio	Lower Upper
43 100	
61 2.0	12.8 19.2#
70 0.0	10.5 15.7#

Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01



#38

Carbon Tetrachloride

Concen: 6.27 ug/l

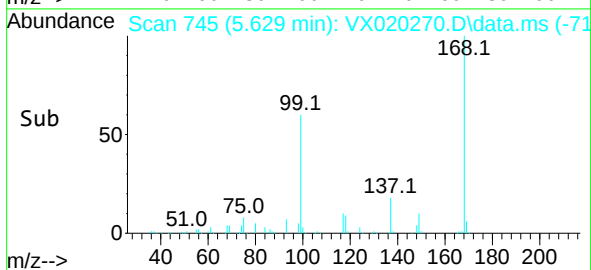
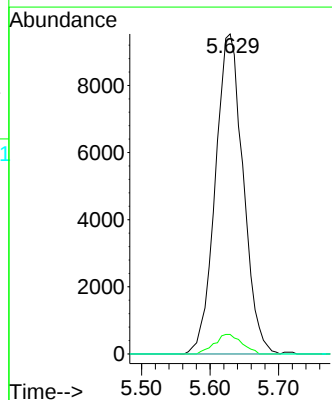
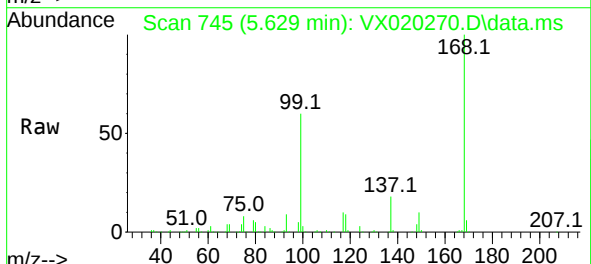
RT: 5.629 min Scan# 745

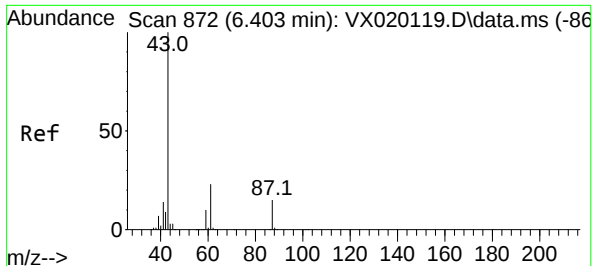
Delta R.T. -0.116 min

Lab File: VX020270.D

Acq: 21 Dec 2020 23:49

Tgt Ion: 117	Resp: 26843
Ion Ratio	Lower Upper
117 100	
119 6.1	76.2 114.2#
121 0.0	24.8 37.2#

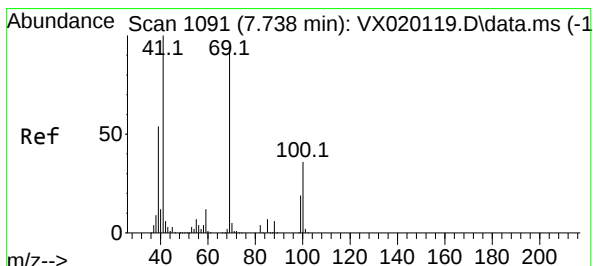
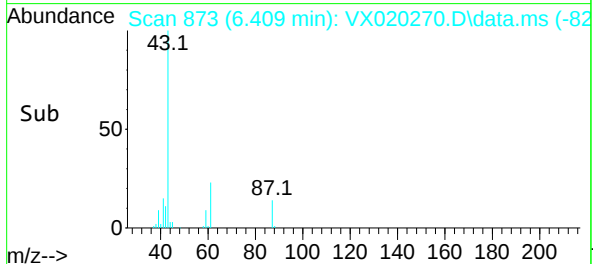
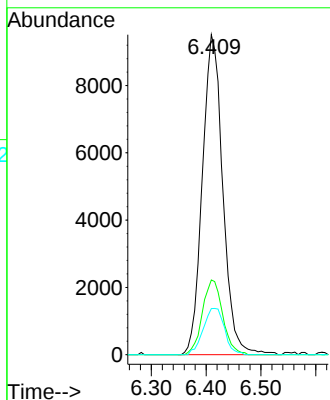
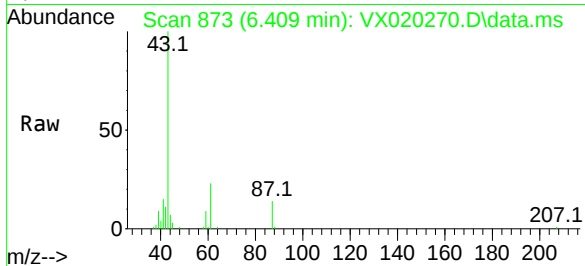




#43
Isopropyl Acetate
Concen: 3.34 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

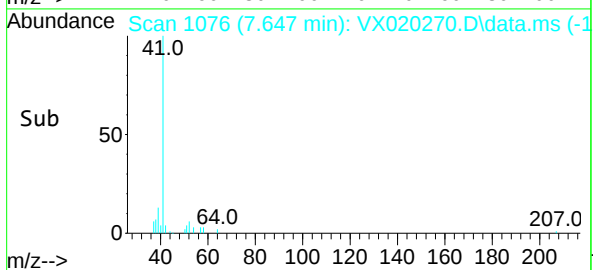
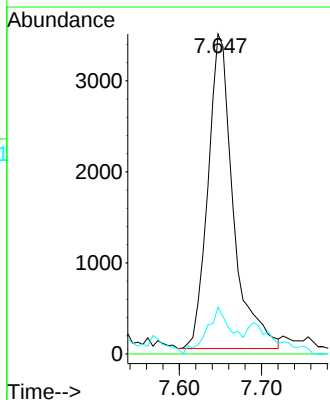
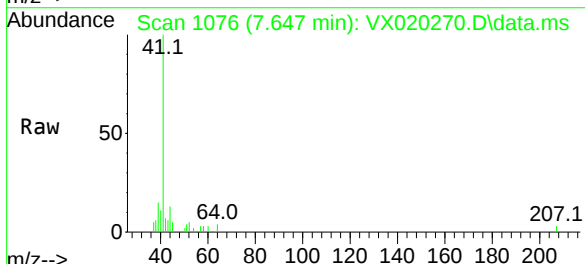
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

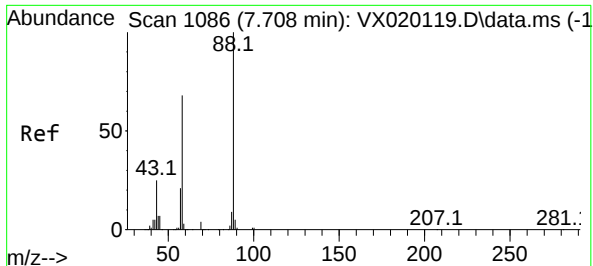
Tgt Ion: 43	Resp: 24649
Ion Ratio	Lower Upper
43 100	
61 23.2	18.2 27.4
87 15.0	12.5 18.7



#48
Methyl methacrylate
Concen: 2.03 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 41	Resp: 7361
Ion Ratio	Lower Upper
41 100	
69 0.0	76.0 114.0#
39 0.0	44.6 67.0#

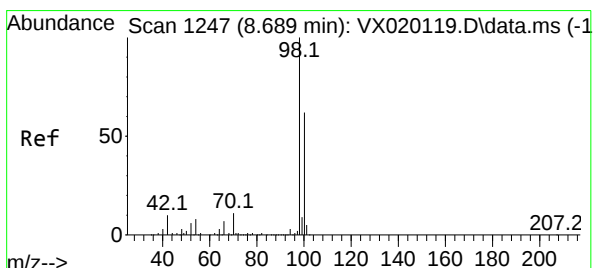
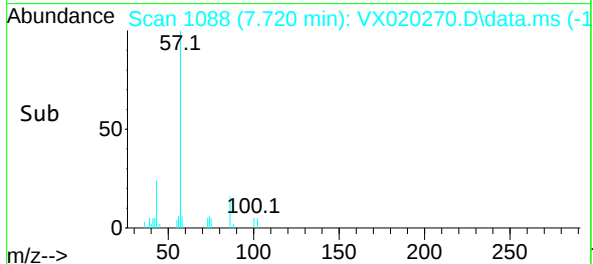
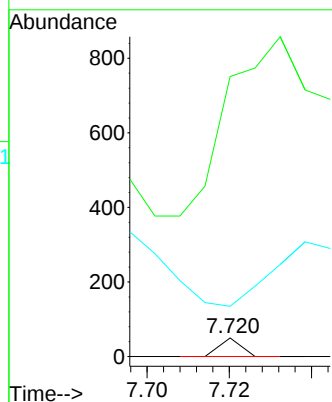
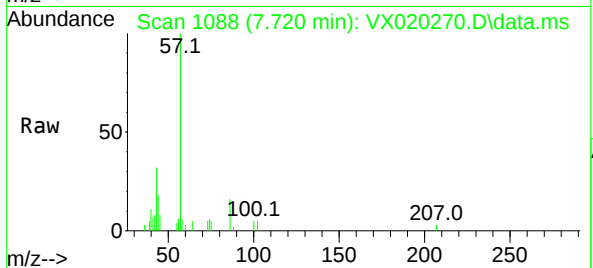




#49
1,4-Dioxane
Concen: 0.21 ug/l
RT: 7.720 min Scan# 1088
Delta R.T. 0.012 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

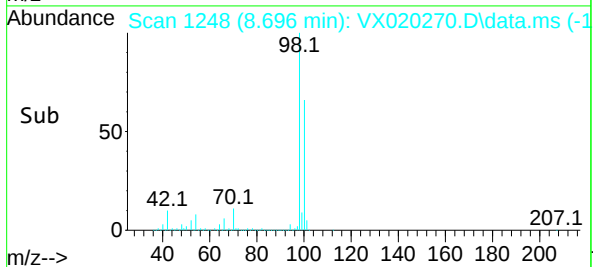
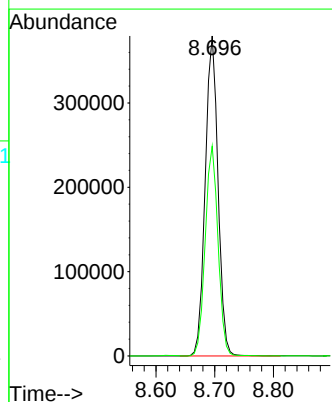
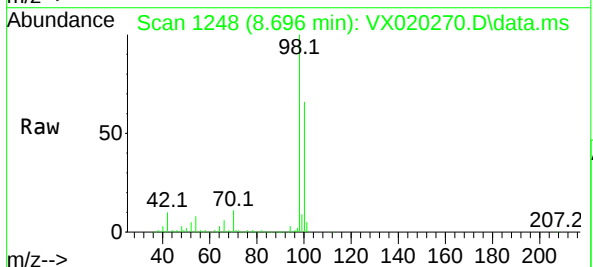
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

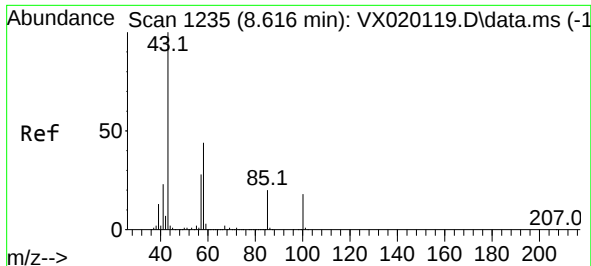
Tgt Ion: 88 Resp: 18
Ion Ratio Lower Upper
88 100
43 0.0 23.2 34.8#
58 2938.9 55.0 82.4#



#50
Toluene-d8
Concen: 51.17 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 98 Resp: 574109
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9

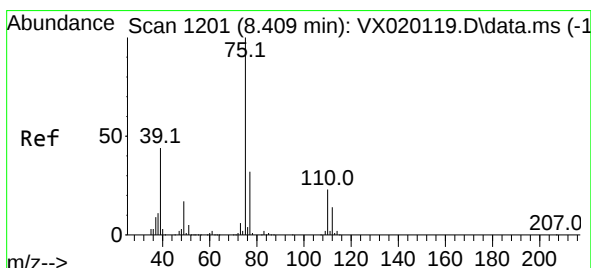
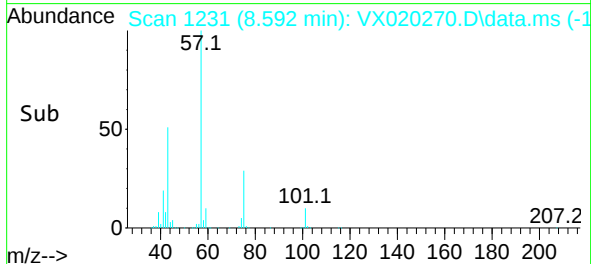
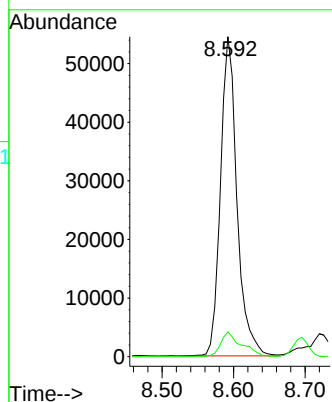
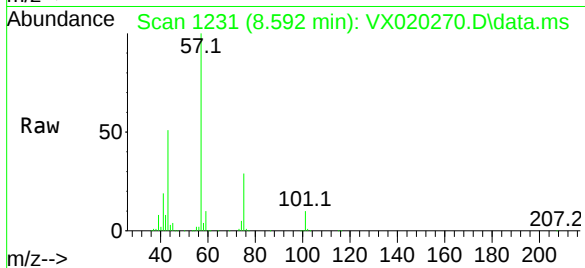




#51
4-Methyl-2-Pentanone
Concen: 19.11 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

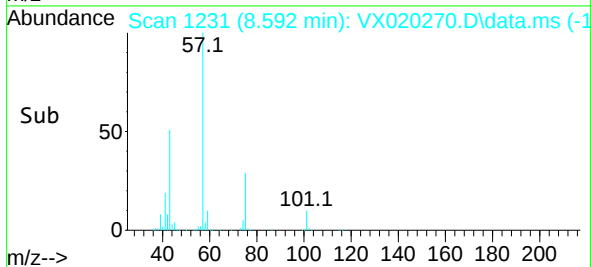
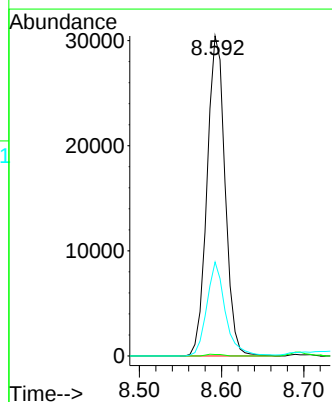
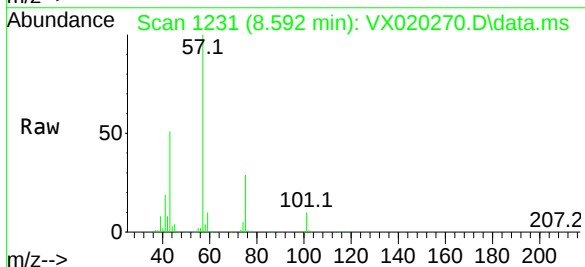
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

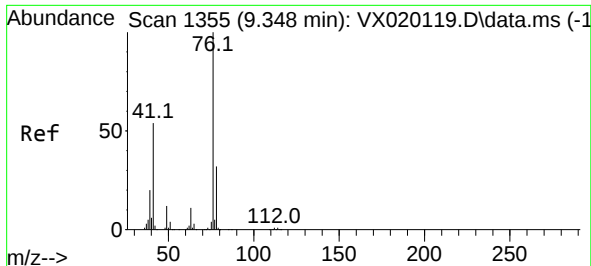
Tgt Ion: 43 Resp: 87412
Ion Ratio Lower Upper
43 100
58 9.9 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 8.29 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 75 Resp: 46228
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 29.4 35.1 52.7#

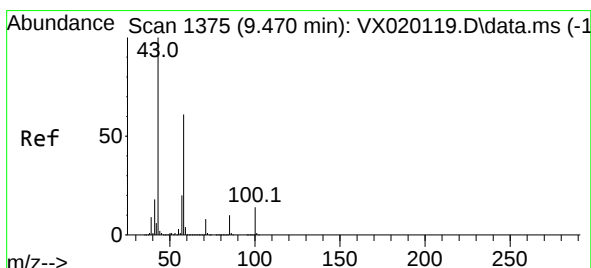
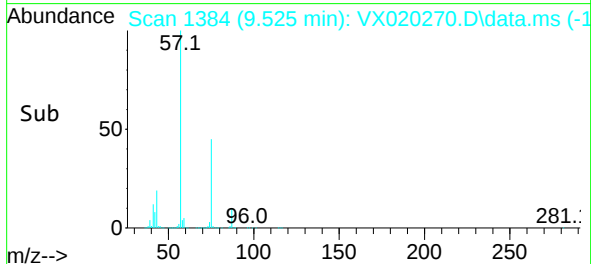
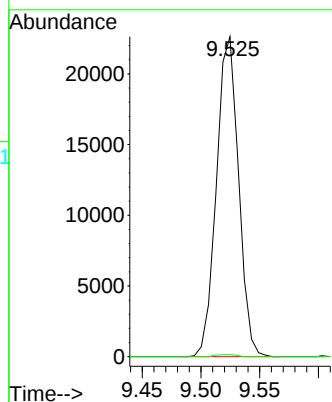
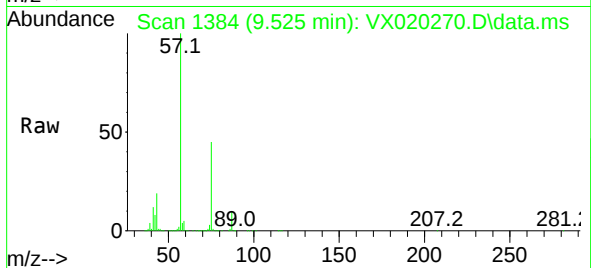




#57
1,3-Dichloropropane
Concen: 4.94 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

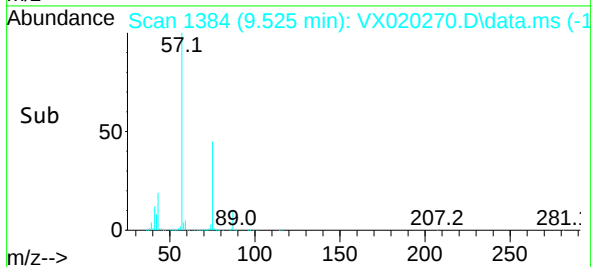
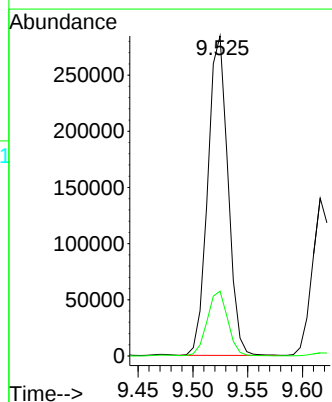
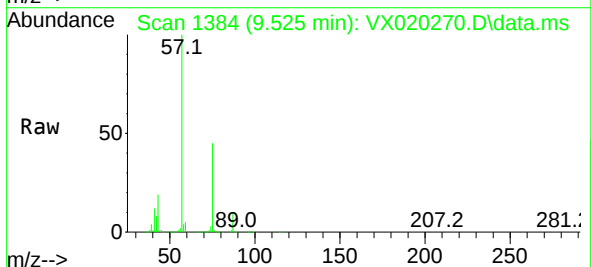
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

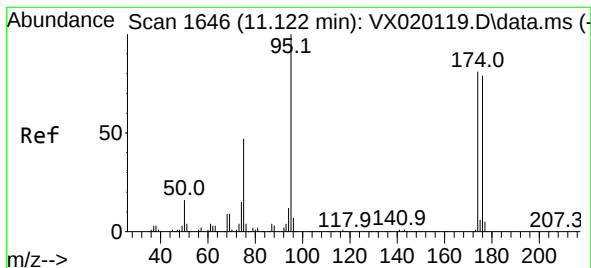
Tgt Ion: 76 Resp: 29655
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#



#59
2-Hexanone
Concen: 104.21 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 43 Resp: 363180
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#

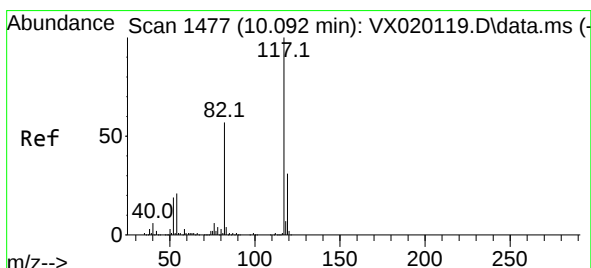
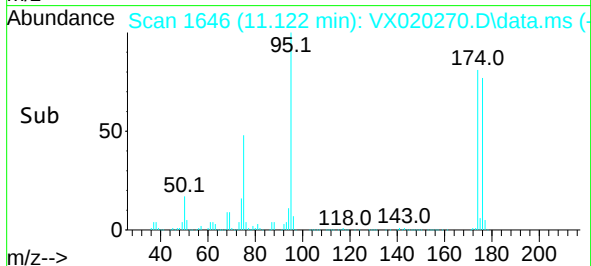
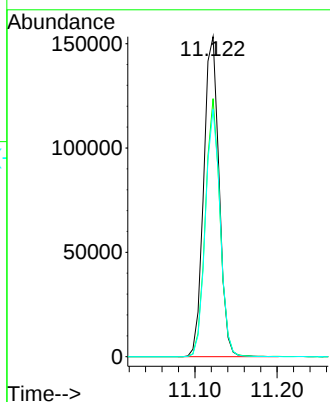
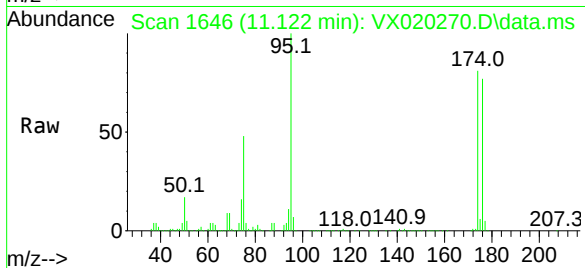




#62
4-Bromofluorobenzene
Concen: 46.36 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.000 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

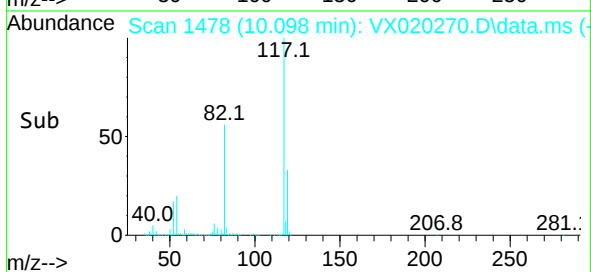
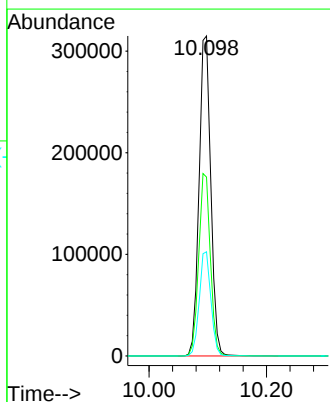
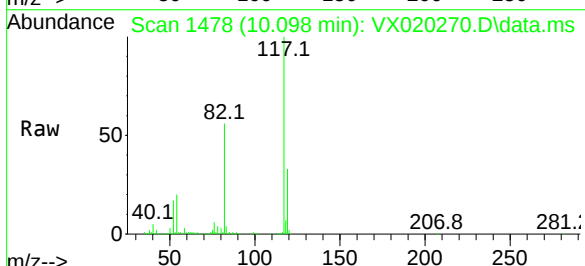
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

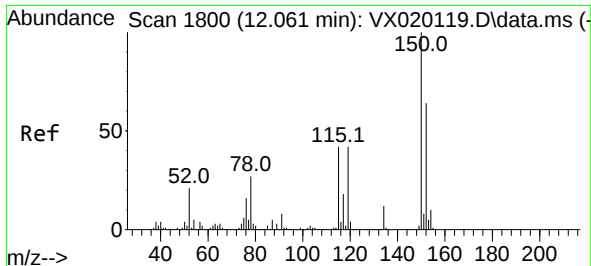
Tgt Ion: 95 Resp: 199049
Ion Ratio Lower Upper
95 100
174 76.4 0.0 154.6
176 74.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 117 Resp: 435695
Ion Ratio Lower Upper
117 100
82 55.9 47.4 71.2
119 32.6 26.6 39.8

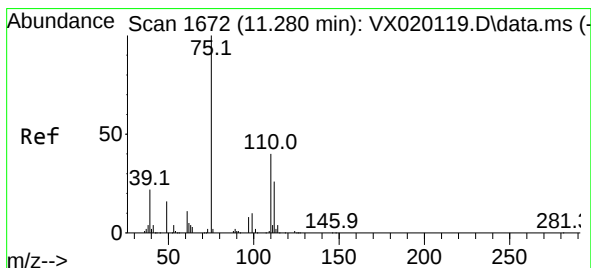
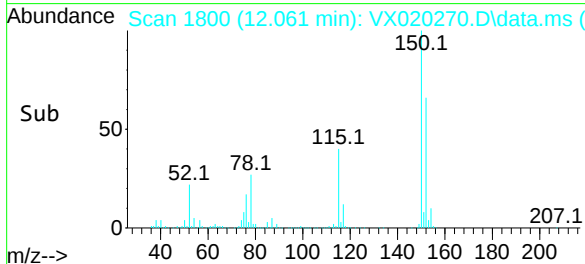
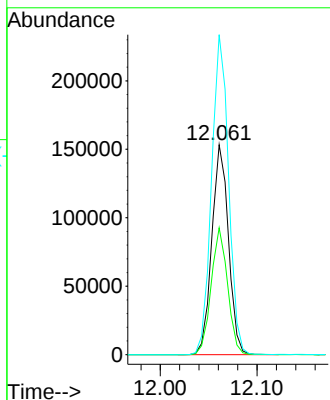
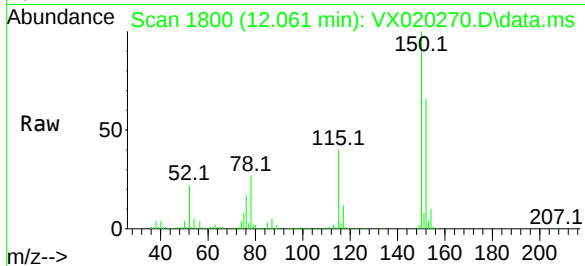




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

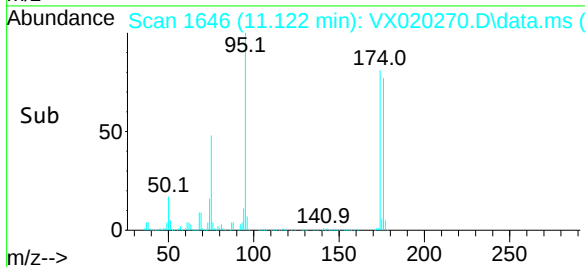
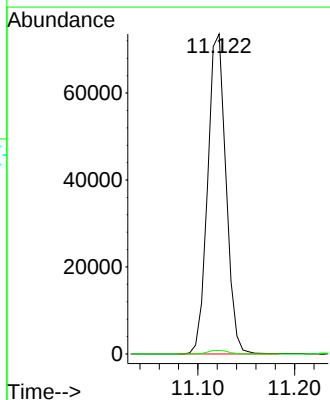
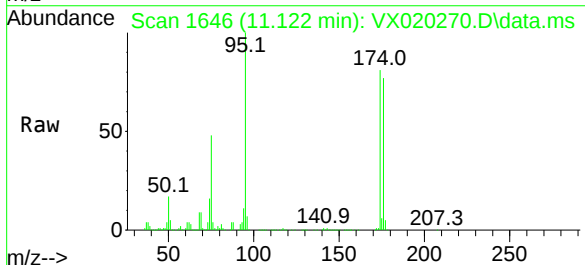
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

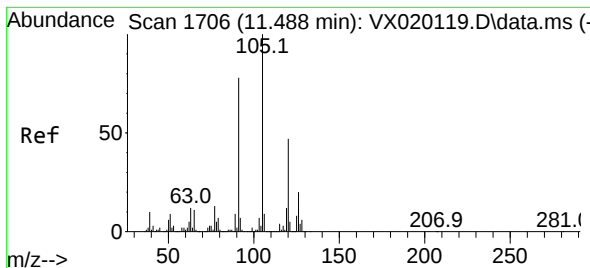
Tgt Ion:152 Resp: 183281
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 155.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.45 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 75 Resp: 96847
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

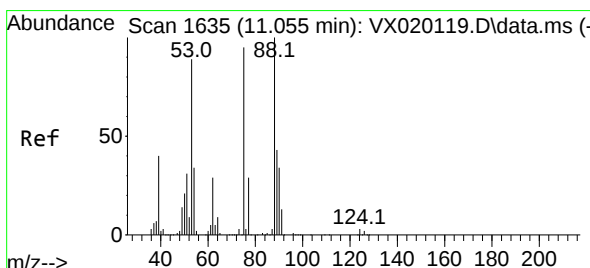
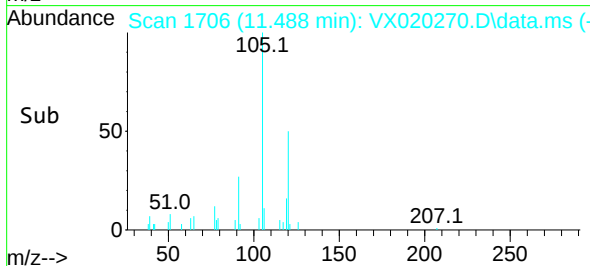
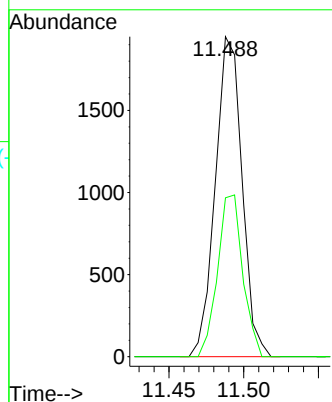
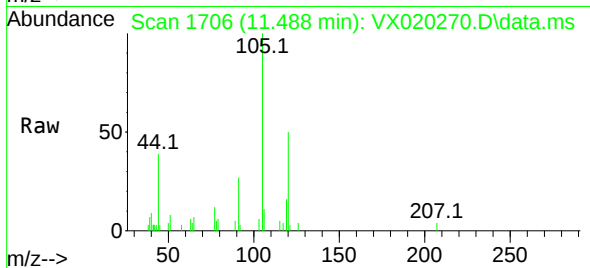




#80
1,3,5-Trimethylbenzene
Concen: 0.22 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

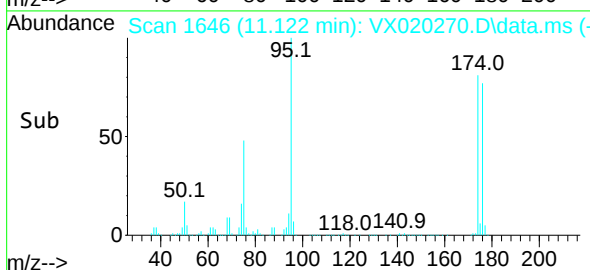
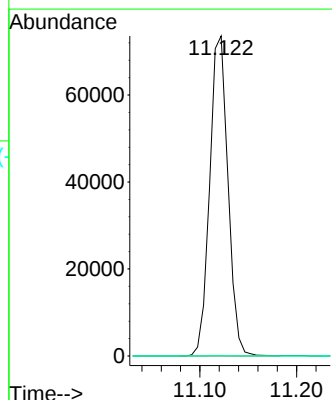
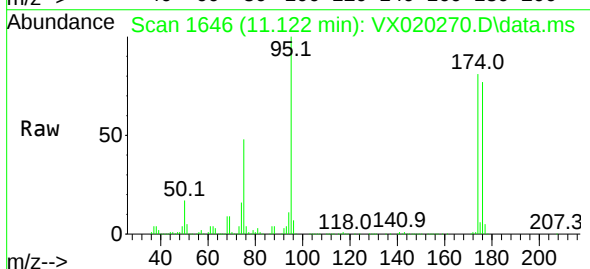
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

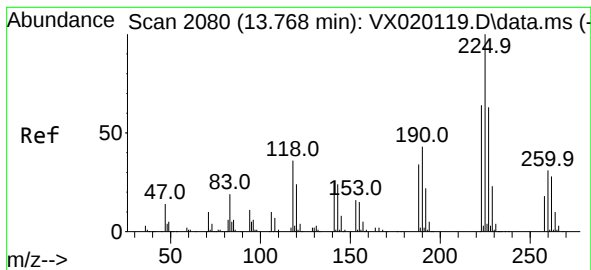
Tgt Ion:105 Resp: 2423
Ion Ratio Lower Upper
105 100
120 47.5 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 63.64 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Tgt Ion: 75 Resp: 96847
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
Hexachlorobutadiene
Concen: 2.73 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. -0.000 min
Lab File: VX020270.D
Acq: 21 Dec 2020 23:49

Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#01

Tgt Ion:225 Resp: 155
Ion Ratio Lower Upper
225 100
223 58.7 31.1 93.2
227 14.2 31.6 95.0#

