

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020276.D
 Acq On : 22 Dec 2020 02:09
 Operator : JC/MD
 Sample : PB133709ZHE#07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133709ZHE#07

Quant Time: Dec 22 05:17:26 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)

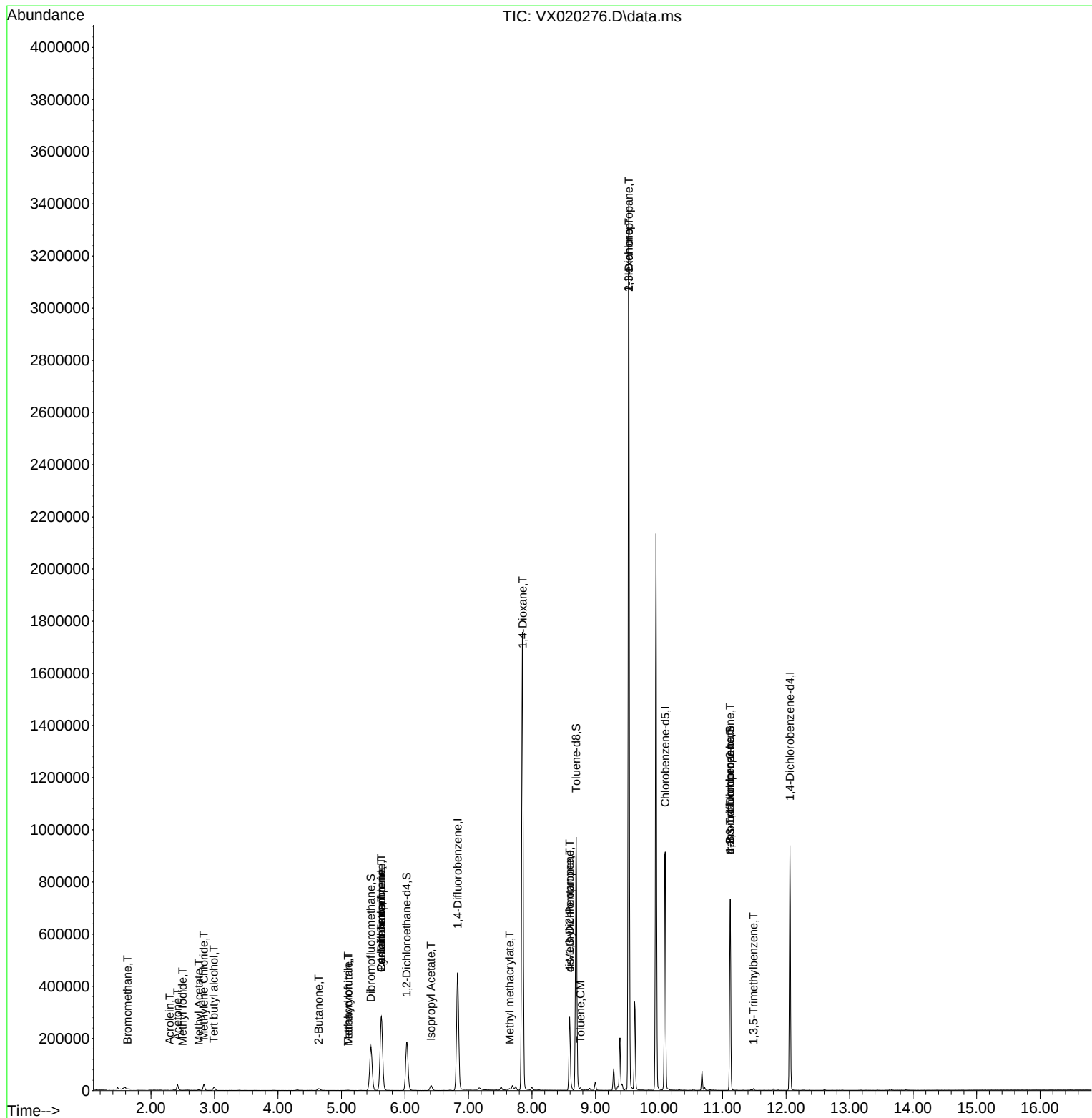
Internal Standards						
1) Pentafluorobenzene	5.629	168	270726	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	450704	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	432582	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	178677	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	180135	49.64	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 99.28%			
35) Dibromofluoromethane	5.464	113	144196	50.01	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.02%			
50) Toluene-d8	8.695	98	577320	52.02	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.04%			
62) 4-Bromofluorobenzene	11.122	95	198975	46.84	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 93.68%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	502	0.42	ug/l #	79
10) Methyl Iodide	2.495	142	52	3.30	ug/l #	42
11) Tert butyl alcohol	2.989	59	7554	9.30	ug/l #	79
13) Acrolein	2.294	56	163	0.32	ug/l #	14
16) Acetone	2.416	43	21105	12.75	ug/l	99
18) Methyl Acetate	2.751	43	3234	0.88	ug/l	99
20) Methylene Chloride	2.831	84	10750	2.88	ug/l	98
25) 2-Butanone	4.641	43	9414	3.91	ug/l	96
29) Tetrahydrofuran	5.105	42	1297	0.86	ug/l #	76
31) Cyclohexane	5.629	56	5479	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	21406	4.81	ug/l #	49
38) Carbon Tetrachloride	5.629	117	26919	6.35	ug/l #	17
41) Methacrylonitrile	5.105	41	789	0.32	ug/l #	36
43) Isopropyl Acetate	6.409	43	24936	3.41	ug/l	98
48) Methyl methacrylate	7.647	41	8364	2.34	ug/l #	10
49) 1,4-Dioxane	7.854	88	253	3.02	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	89334	19.75	ug/l #	47
52) Toluene	8.762	92	2097	0.25	ug/l	97
54) cis-1,3-Dichloropropene	8.592	75	46242	8.38	ug/l #	61
57) 1,3-Dichloropropane	9.525	76	29456	4.96	ug/l #	43
59) 2-Hexanone	9.525	43	365562	106.03	ug/l #	46
76) 1,2,3-Trichloropropane	11.122	75	97422	22.13	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	3060	0.28	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.122	75	97422	65.67	ug/l #	12

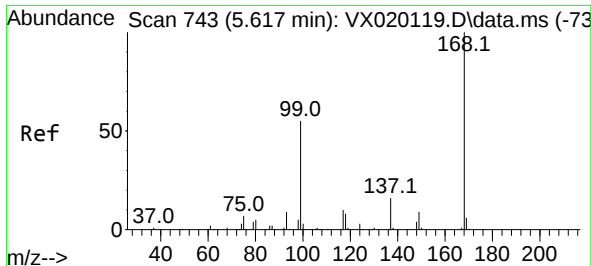
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Dec 22 05:17:26 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

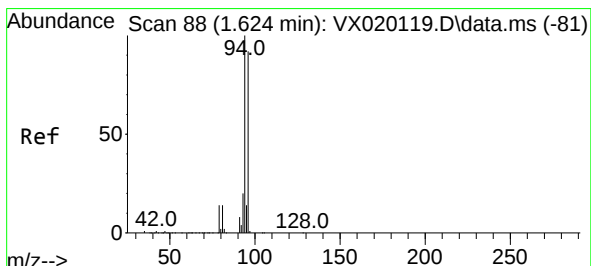
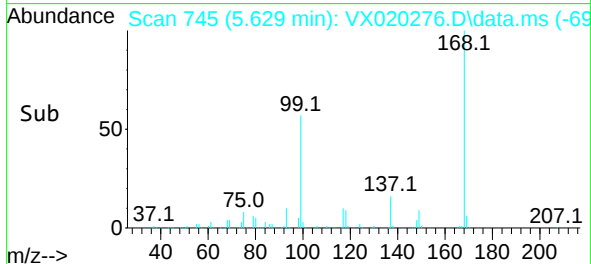
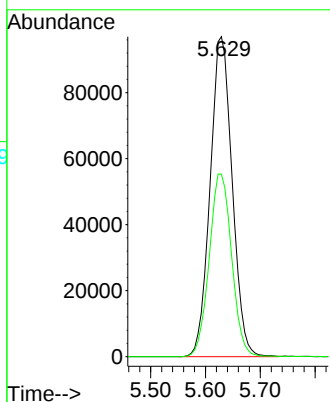
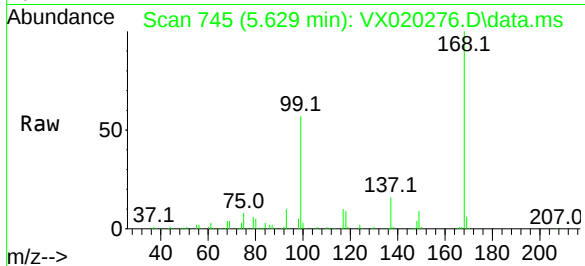




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

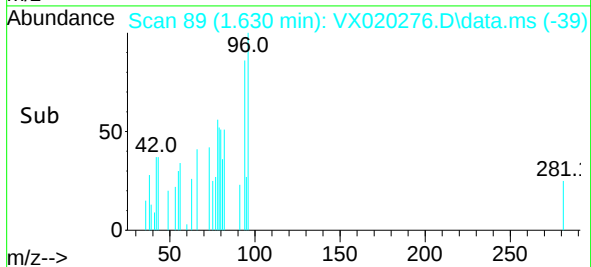
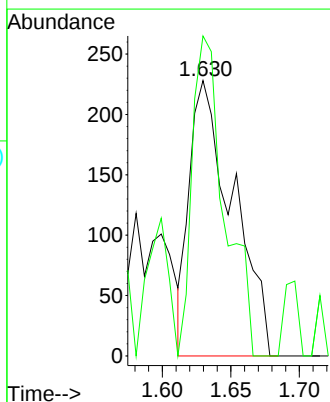
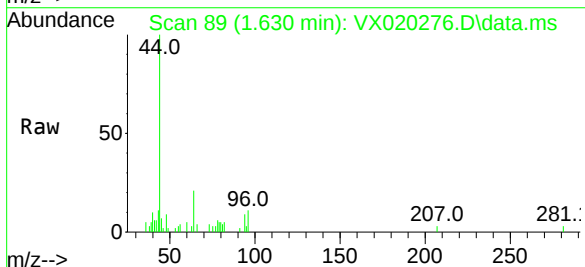
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

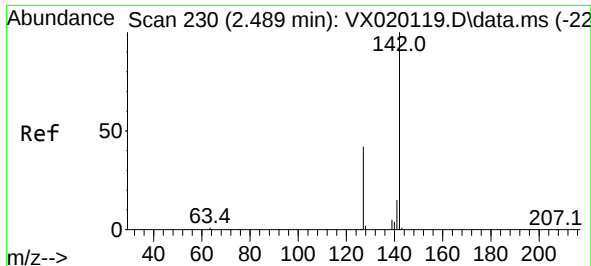
Tgt Ion:168 Resp: 270726
Ion Ratio Lower Upper
168 100
99 57.1 45.8 68.6



#5
Bromomethane
Concen: 0.42 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

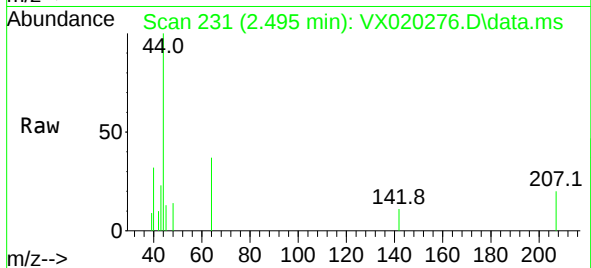
Tgt Ion: 94 Resp: 502
Ion Ratio Lower Upper
94 100
96 116.2 76.4 114.6#



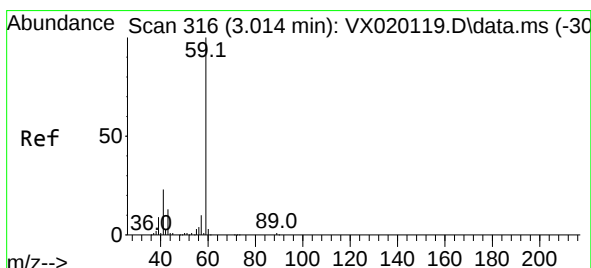
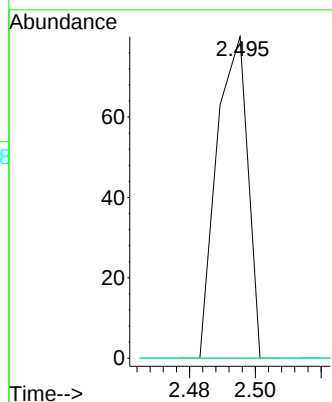
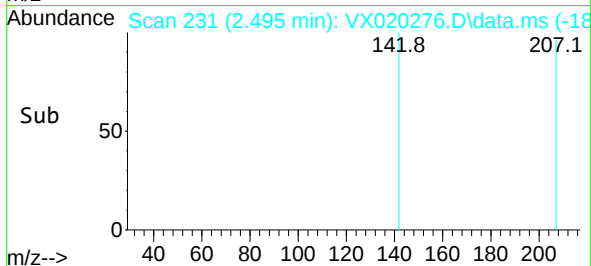


#10
Methyl Iodide
Concen: 3.30 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

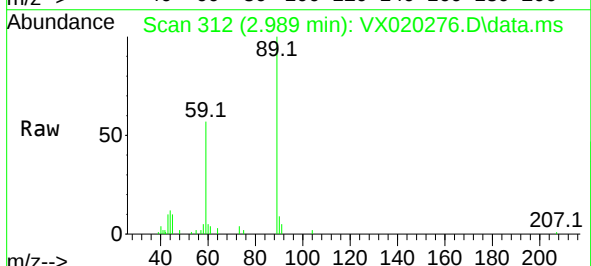
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07



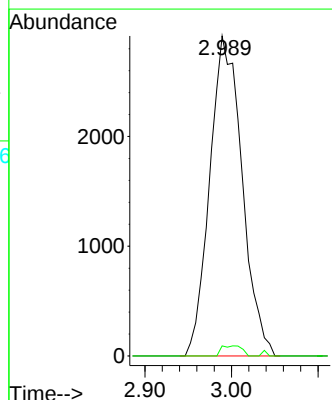
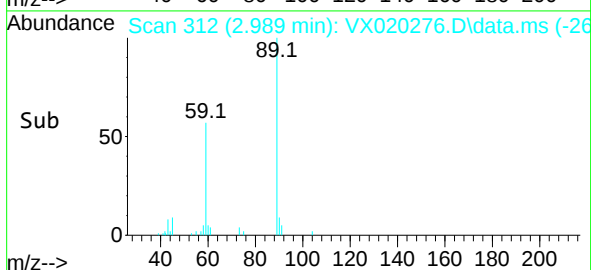
Tgt Ion:142 Resp: 52
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#

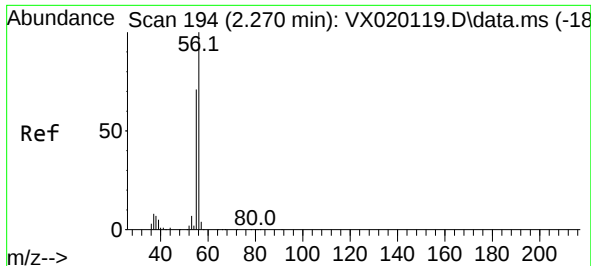


#11
Tert butyl alcohol
Concen: 9.30 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09



Tgt Ion: 59 Resp: 7554
Ion Ratio Lower Upper
59 100
57 2.0 7.8 11.8#





#13

Acrolein

Concen: 0.32 ug/l

RT: 2.294 min Scan# 198

Delta R.T. 0.024 min

Lab File: VX020276.D

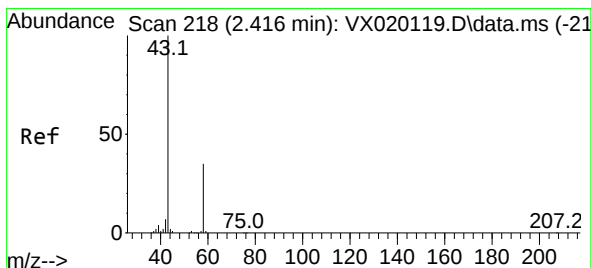
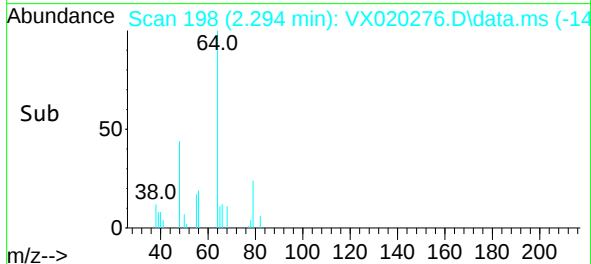
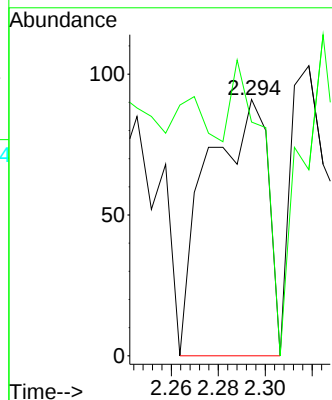
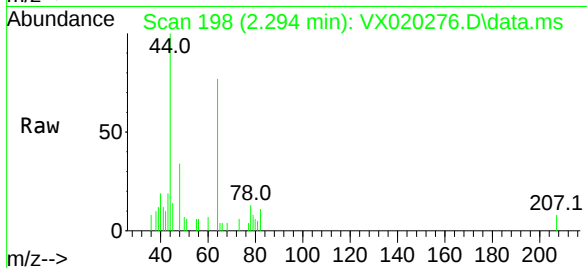
Acq: 22 Dec 2020 02:09

Tgt Ion: 56 Resp: 163

Ion Ratio Lower Upper

56 100

55 0.0 56.4 84.6#



#16

Acetone

Concen: 12.75 ug/l

RT: 2.416 min Scan# 218

Delta R.T. 0.000 min

Lab File: VX020276.D

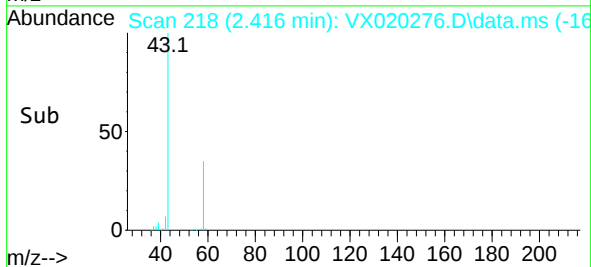
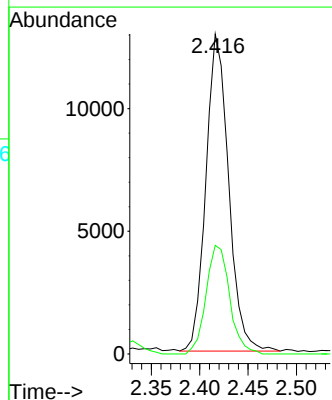
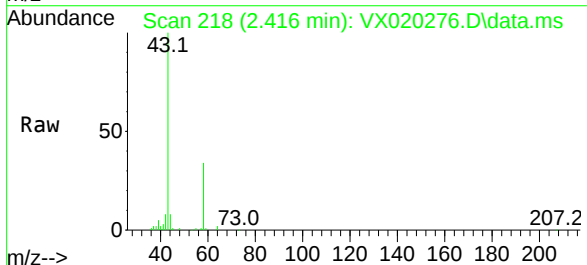
Acq: 22 Dec 2020 02:09

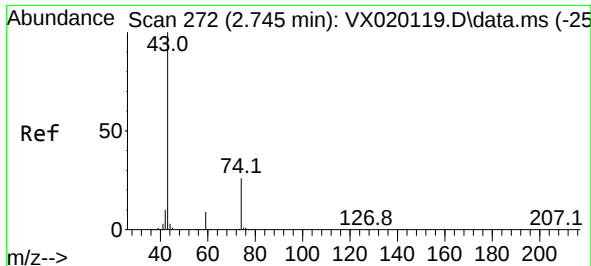
Tgt Ion: 43 Resp: 21105

Ion Ratio Lower Upper

43 100

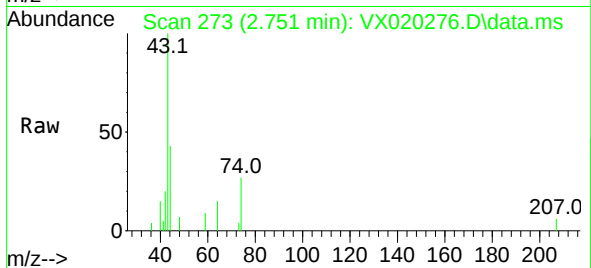
58 34.3 27.8 41.8



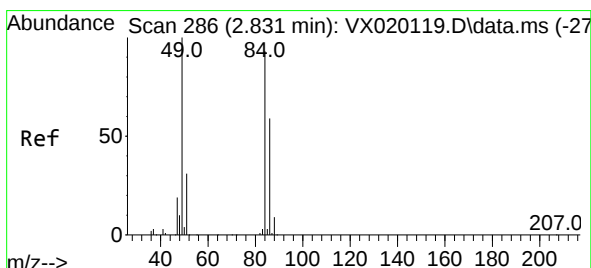
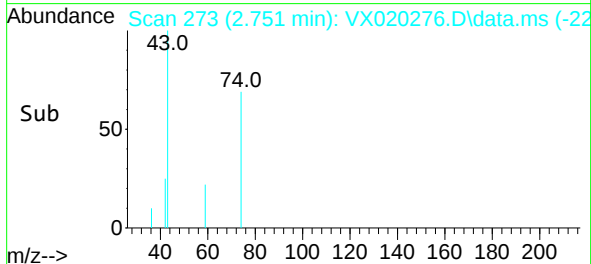
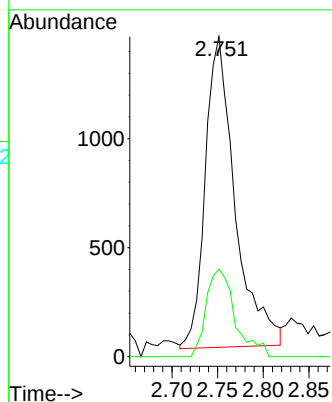


#18
Methyl Acetate
Concen: 0.88 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

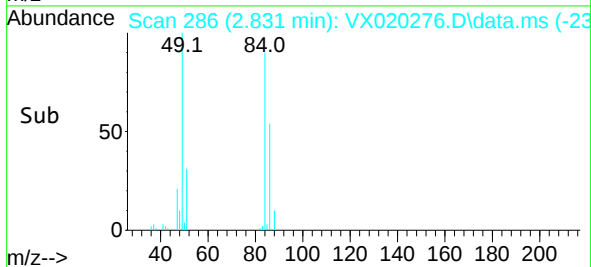
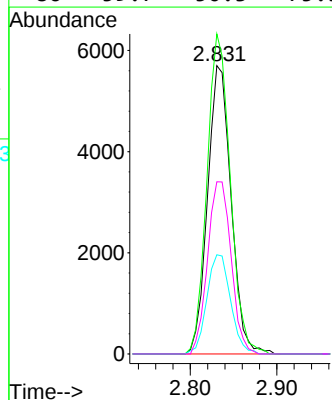
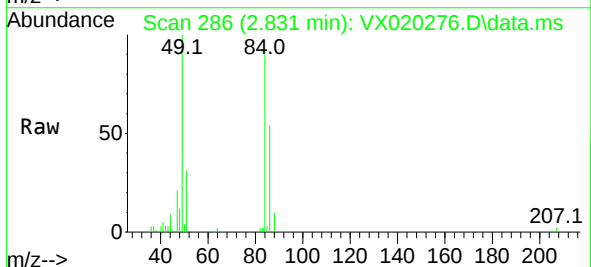


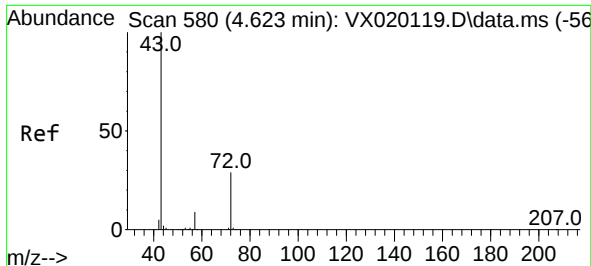
Tgt Ion: 43 Resp: 3234
Ion Ratio Lower Upper
43 100
74 27.1 21.9 32.9



#20
Methylene Chloride
Concen: 2.88 ug/l
RT: 2.831 min Scan# 286
Delta R.T. -0.000 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion: 84 Resp: 10750
Ion Ratio Lower Upper
84 100
49 111.0 88.6 132.8
51 34.4 27.0 40.6
86 59.7 50.3 75.5

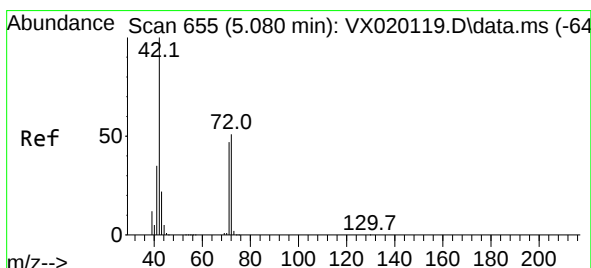
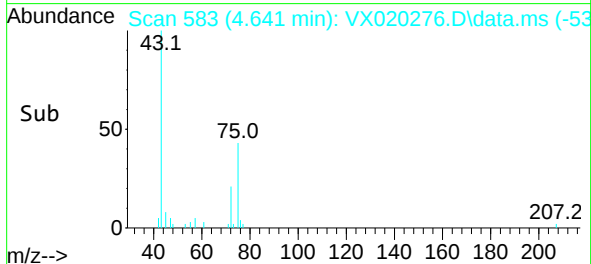
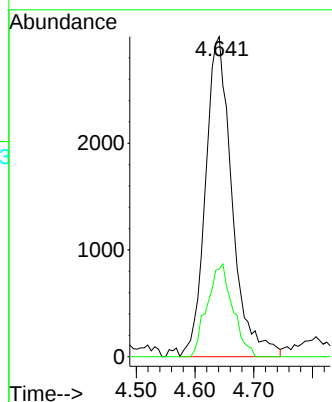
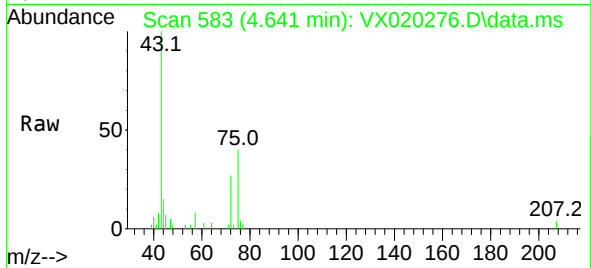




#25
2-Butanone
Concen: 3.91 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

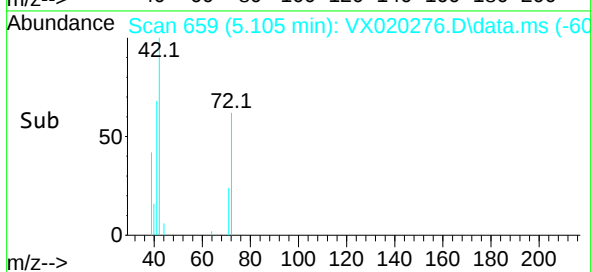
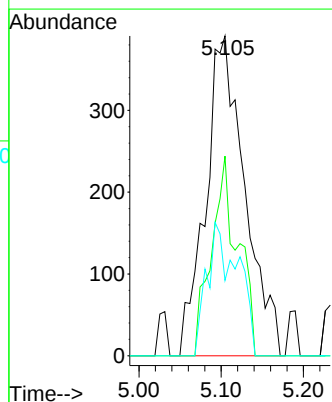
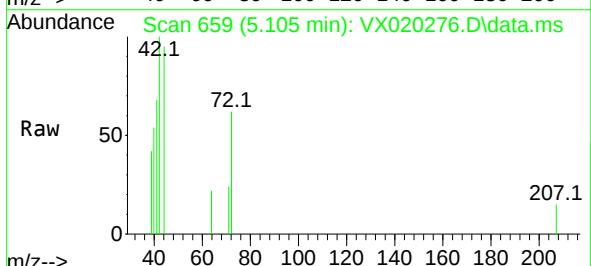
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

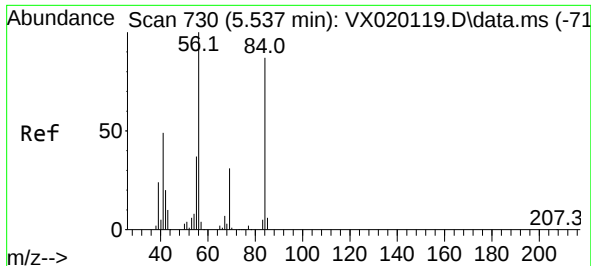
Tgt Ion: 43 Resp: 9414
Ion Ratio Lower Upper
43 100
72 27.4 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.86 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.025 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

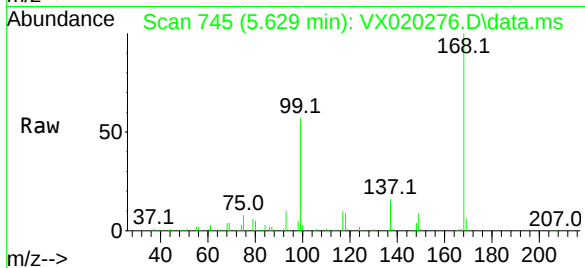
Tgt Ion: 42 Resp: 1297
Ion Ratio Lower Upper
42 100
72 42.3 41.7 62.5
71 24.6 38.4 57.6#



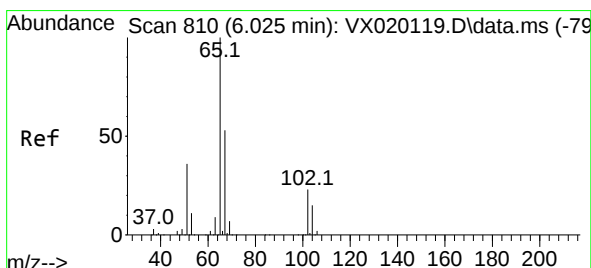
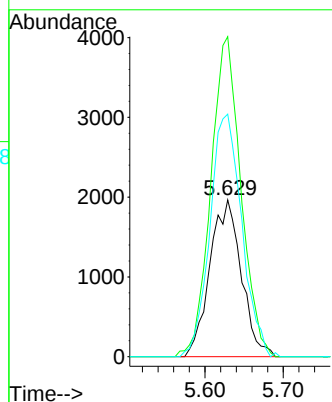
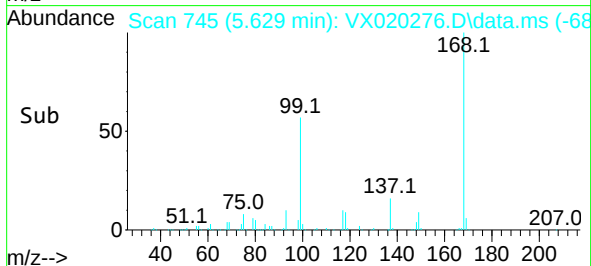


#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.092 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

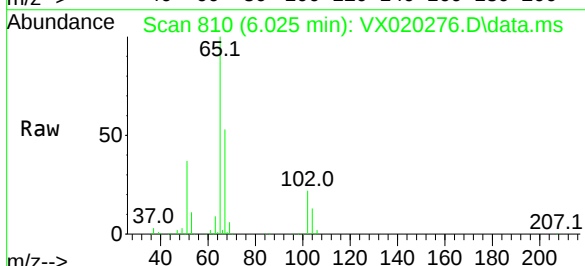
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07



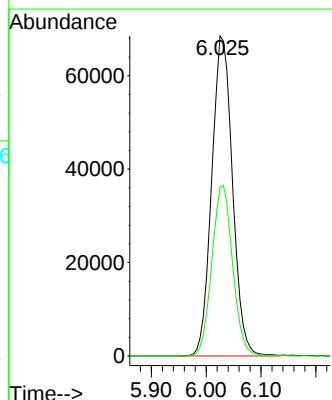
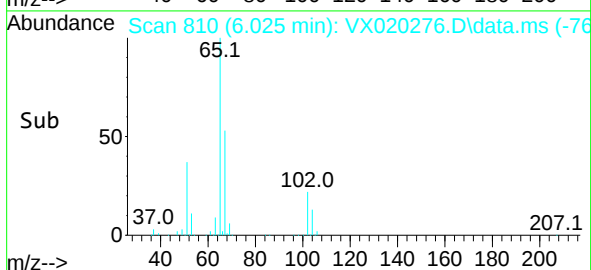
Tgt Ion: 56 Resp: 5479
Ion Ratio Lower Upper
56 100
69 204.0 25.3 37.9#
84 154.6 71.4 107.0#

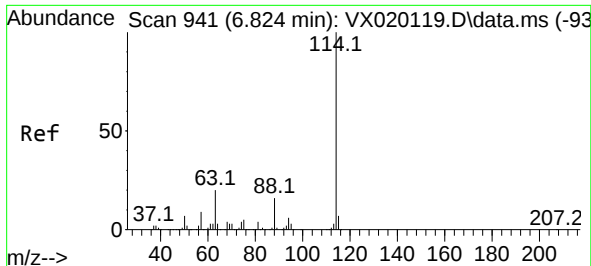


#33
1,2-Dichloroethane-d4
Concen: 49.64 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09



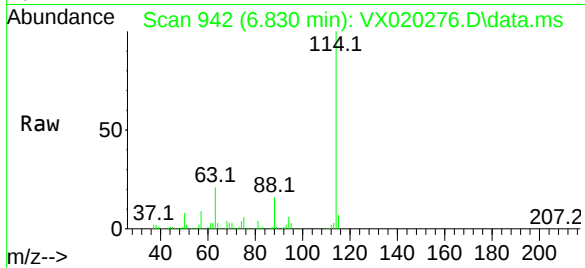
Tgt Ion: 65 Resp: 180135
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.4



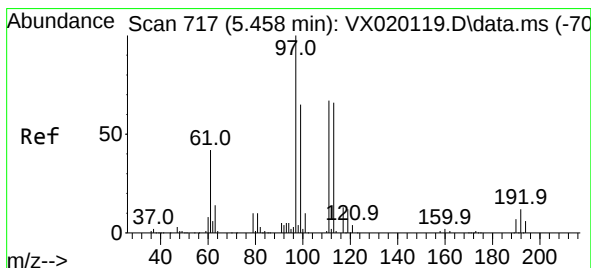
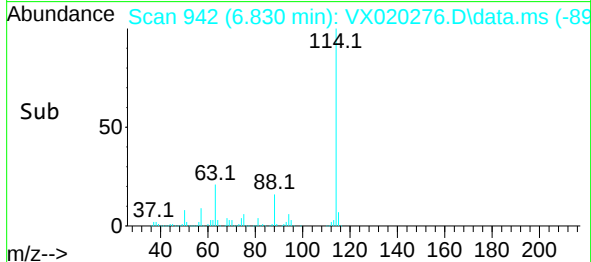
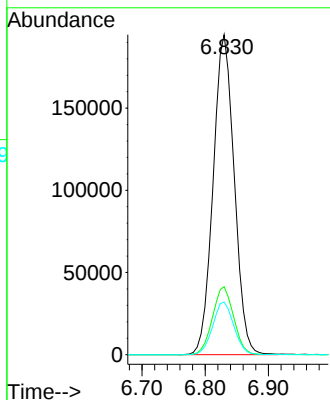


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

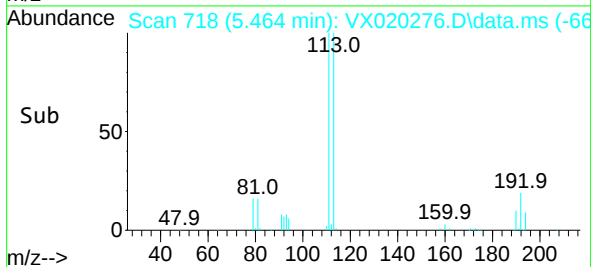
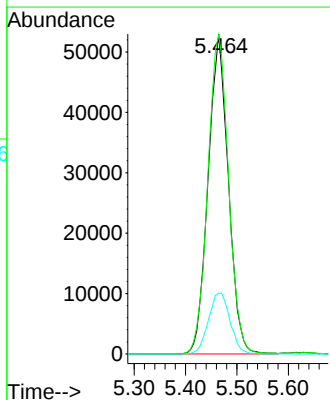
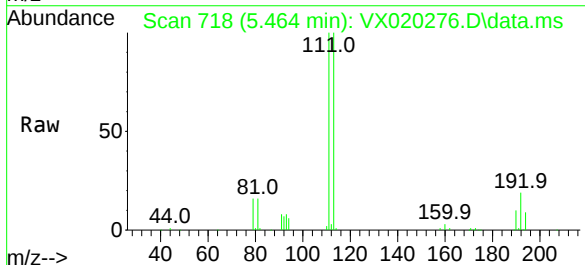


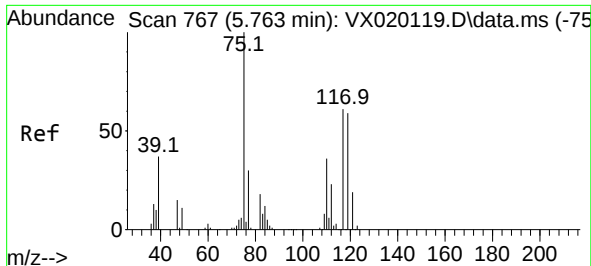
Tgt Ion:114 Resp: 450704
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.8
88 16.4 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.01 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion:113 Resp: 144196
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.4 16.7 25.1

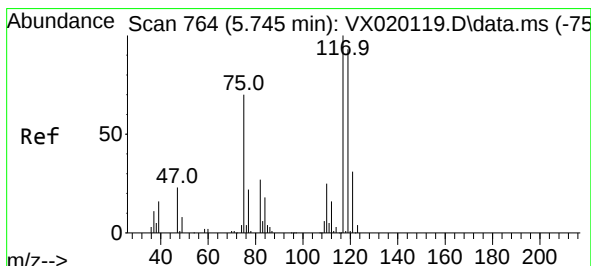
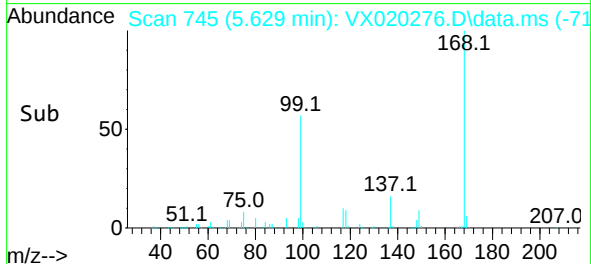
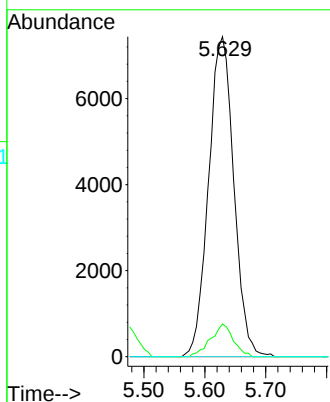
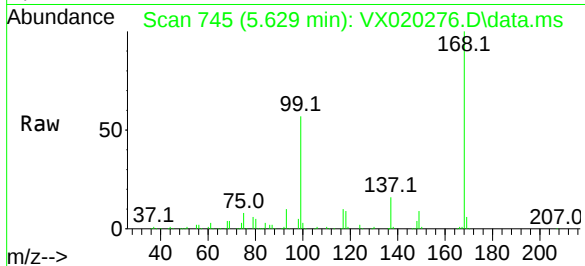




#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

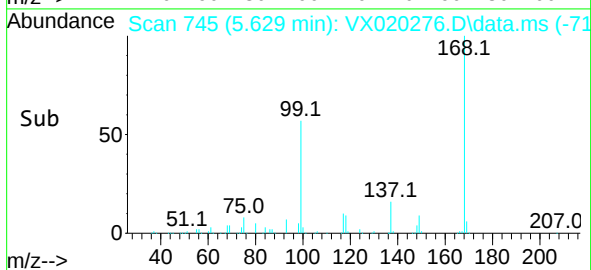
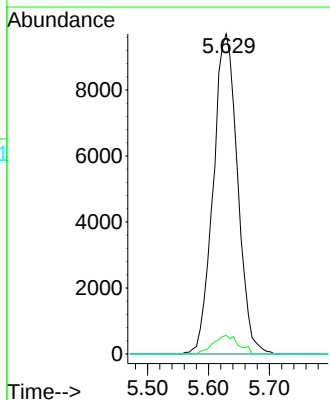
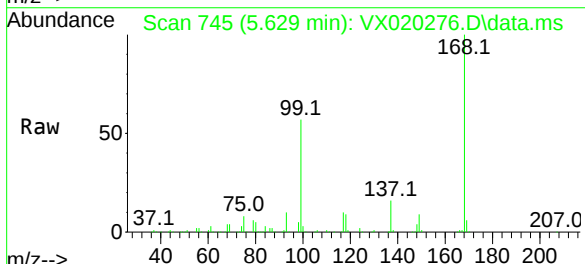
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

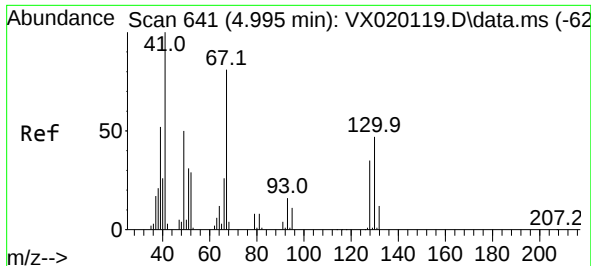
Tgt Ion: 75	Resp: 21406
Ion Ratio	Lower Upper
75 100	
110 9.2	18.1 54.4#
77 0.0	25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.35 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion: 117	Resp: 26919
Ion Ratio	Lower Upper
117 100	
119 5.8	76.2 114.2#
121 0.0	24.8 37.2#

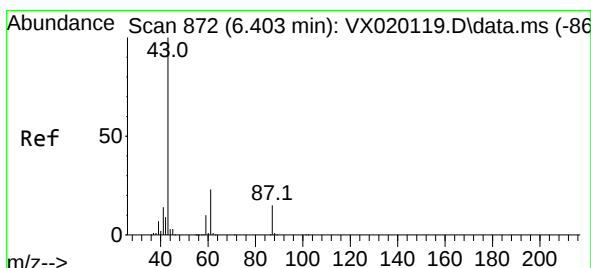
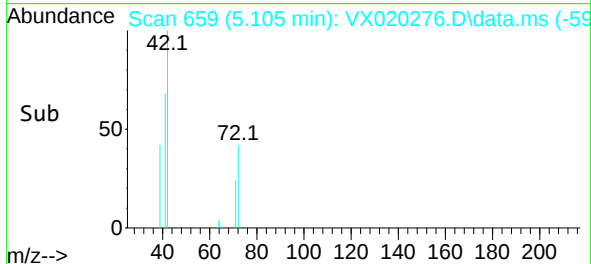
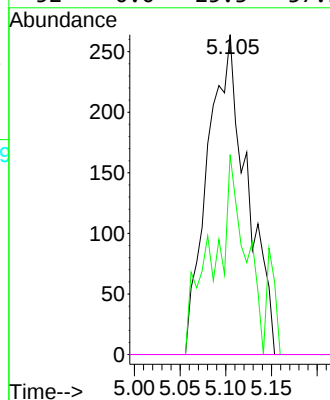
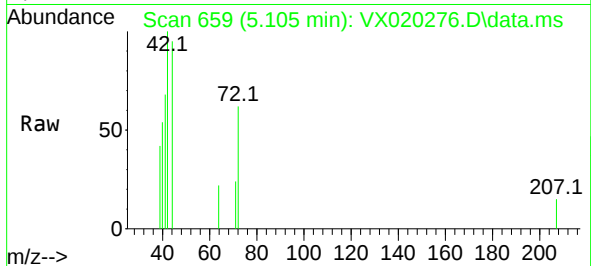




#41
Methacrylonitrile
Concen: 0.32 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.110 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

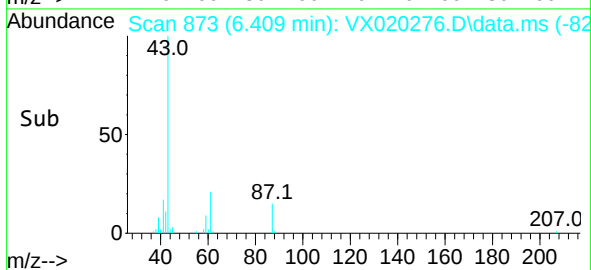
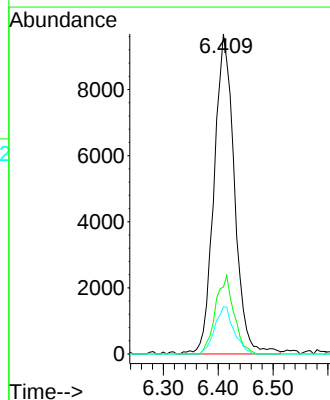
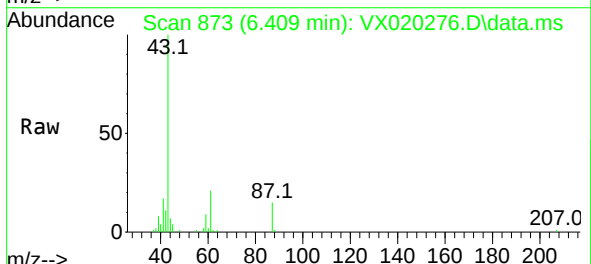
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

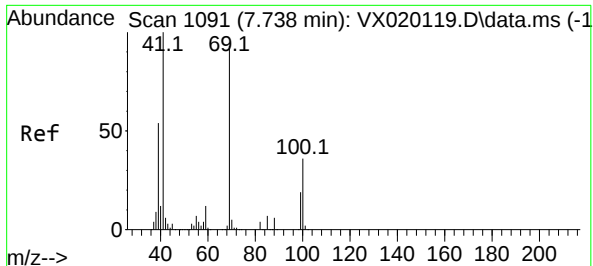
Tgt Ion: 41	Resp: 789
Ion Ratio	Lower Upper
41 100	
39 35.4	42.5 63.7#
67 0.0	65.0 97.6#
52 0.0	25.3 37.9#



#43
Isopropyl Acetate
Concen: 3.41 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion: 43	Resp: 24936
Ion Ratio	Lower Upper
43 100	
61 22.2	18.2 27.4
87 13.9	12.5 18.7

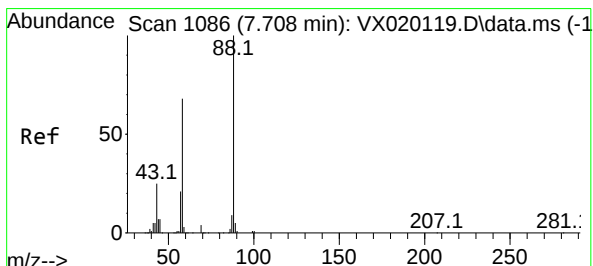
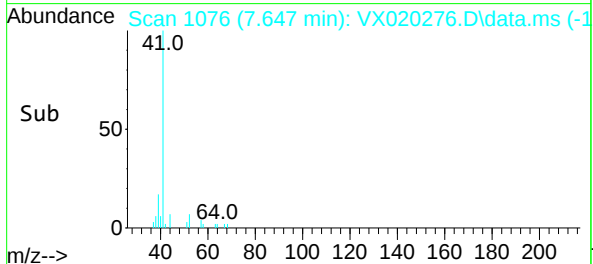
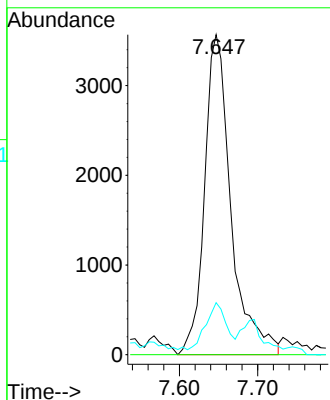
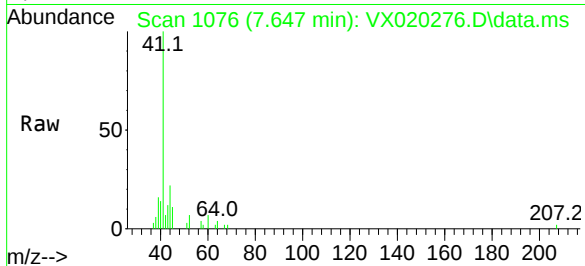




#48
Methyl methacrylate
Concen: 2.34 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

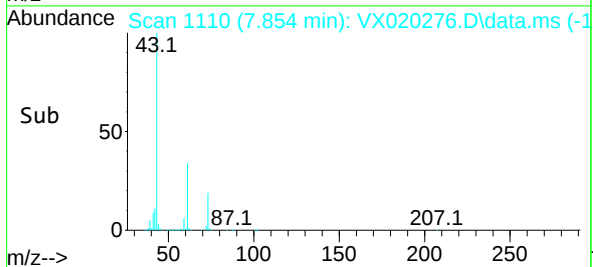
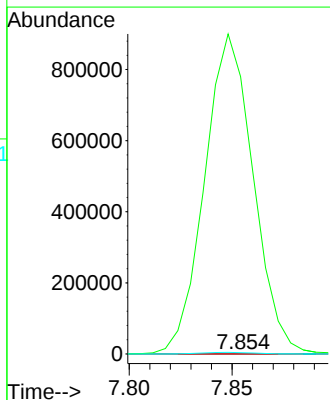
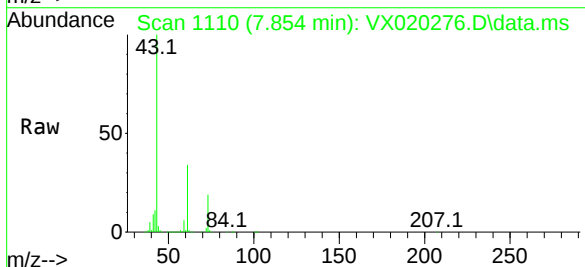
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

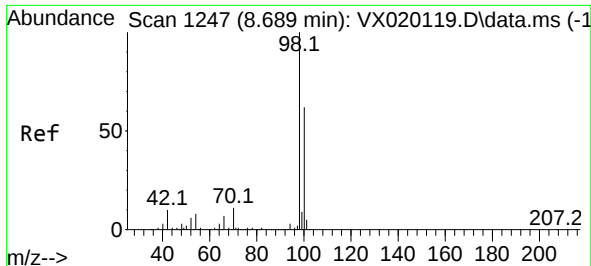
Tgt Ion: 41 Resp: 8364
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.02 ug/l
RT: 7.854 min Scan# 1110
Delta R.T. 0.146 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion: 88 Resp: 253
Ion Ratio Lower Upper
88 100
43 589155.7 23.2 34.8#
58 3153.4 55.0 82.4#

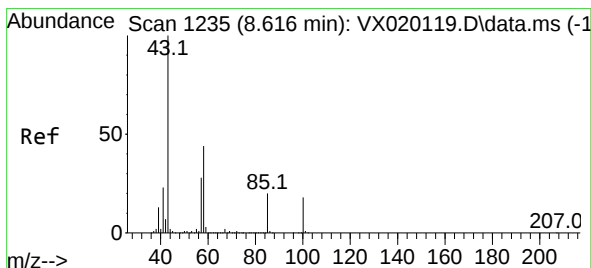
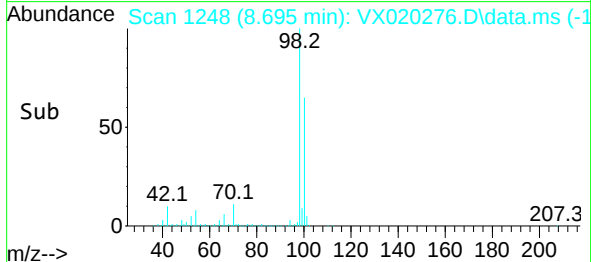
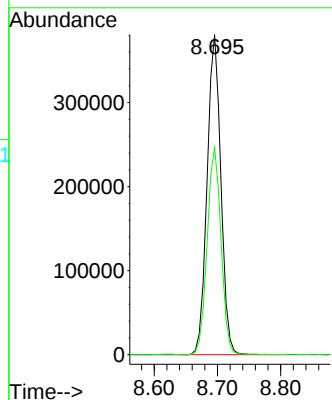
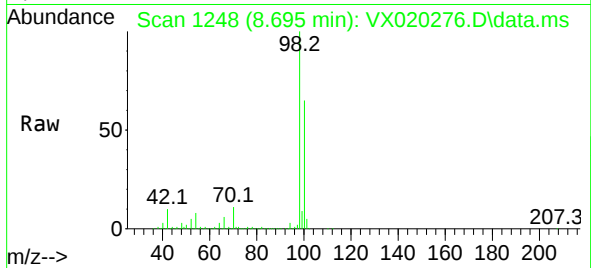




#50
Toluene-d8
Concen: 52.02 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

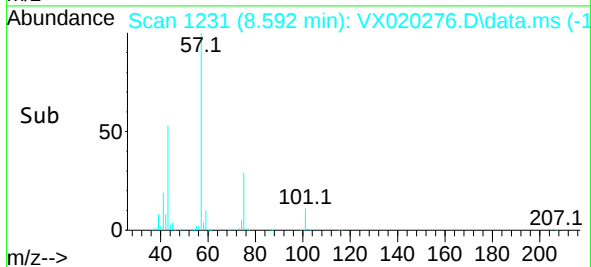
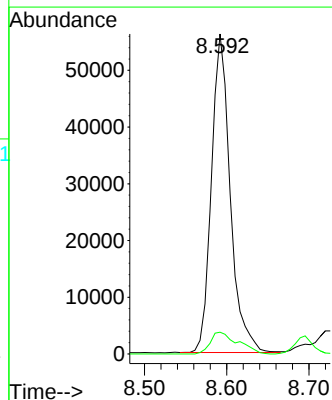
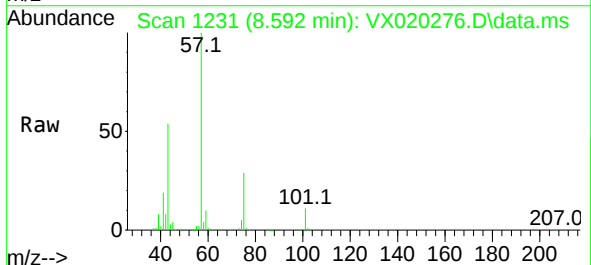
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

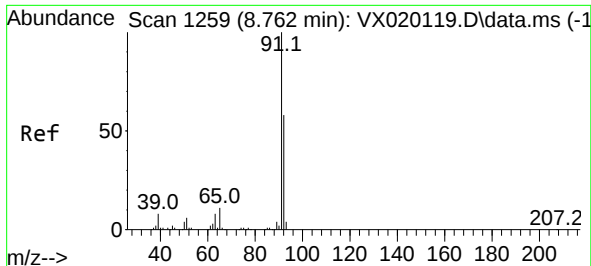
Tgt Ion: 98 Resp: 577320
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 19.75 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion: 43 Resp: 89334
Ion Ratio Lower Upper
43 100
58 10.0 35.4 53.0#

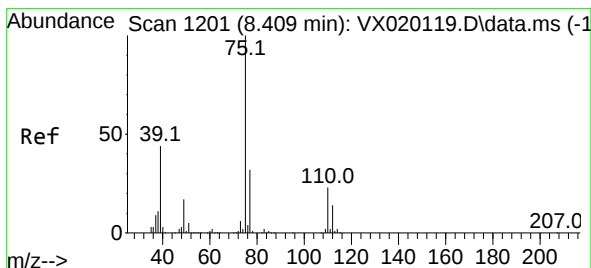
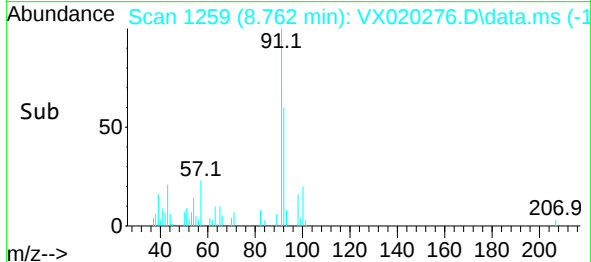
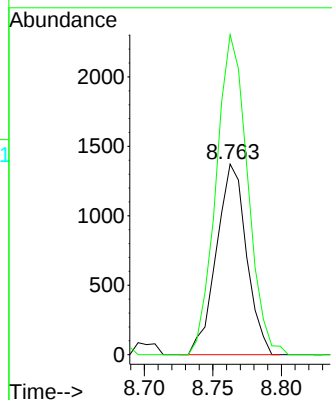
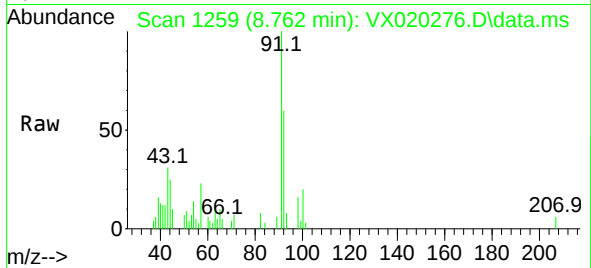




#52
Toluene
Concen: 0.25 ug/l
RT: 8.762 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

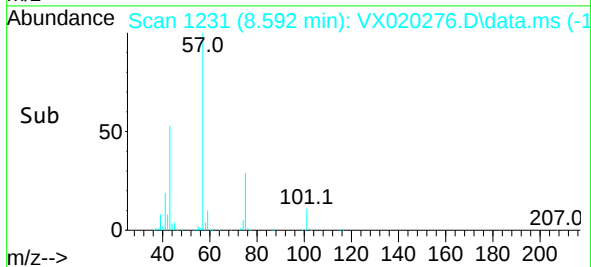
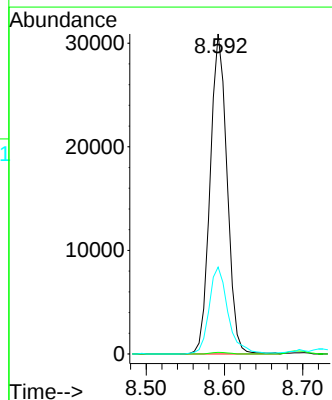
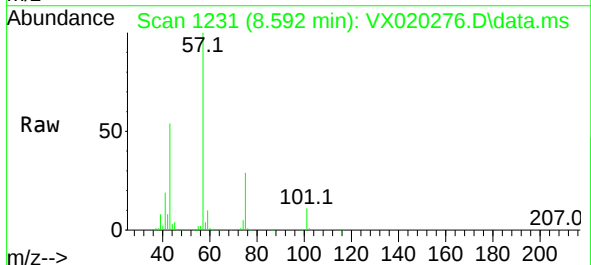
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

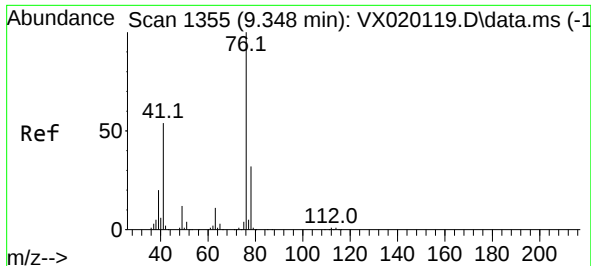
Tgt Ion: 92 Resp: 2097
Ion Ratio Lower Upper
92 100
91 175.6 137.1 205.7



#54
cis-1,3-Dichloropropene
Concen: 8.38 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion: 75 Resp: 46242
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 27.2 35.1 52.7#



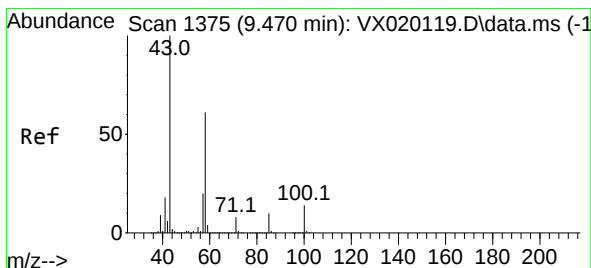
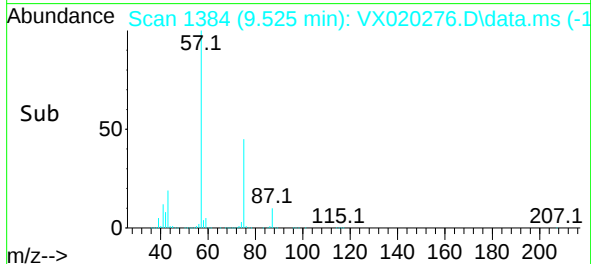
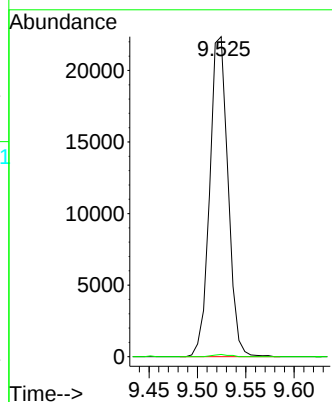
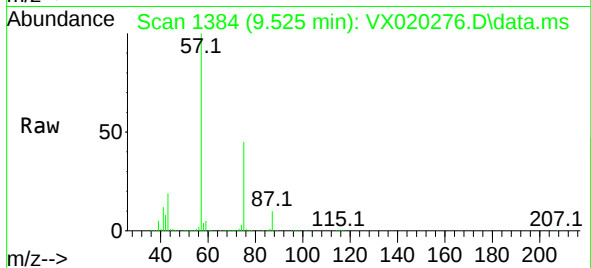


#57

1,3-Dichloropropane
Concen: 4.96 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

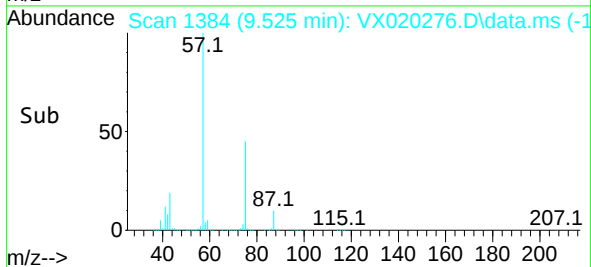
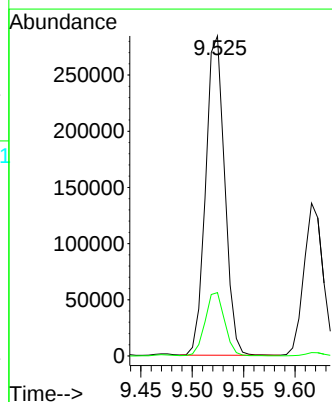
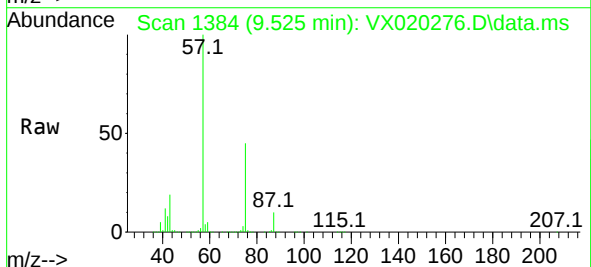
Tgt Ion: 76 Resp: 29456
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

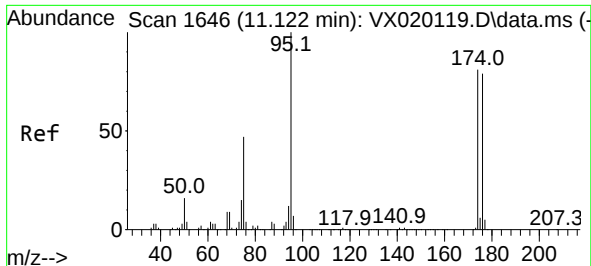


#59

2-Hexanone
Concen: 106.03 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion: 43 Resp: 365562
Ion Ratio Lower Upper
43 100
58 20.4 30.9 92.8#

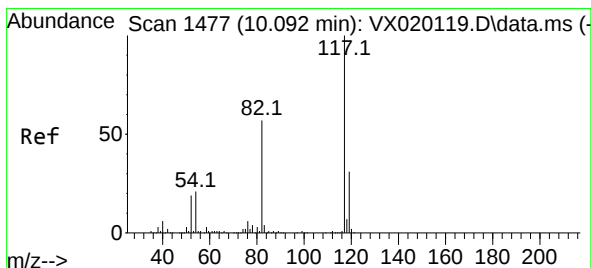
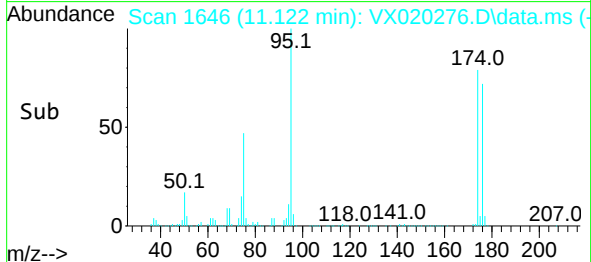
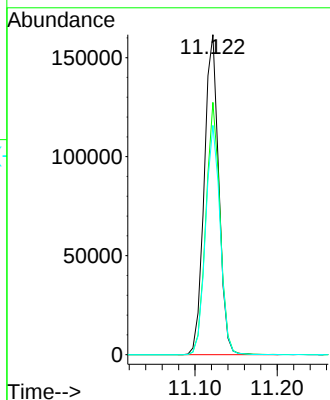
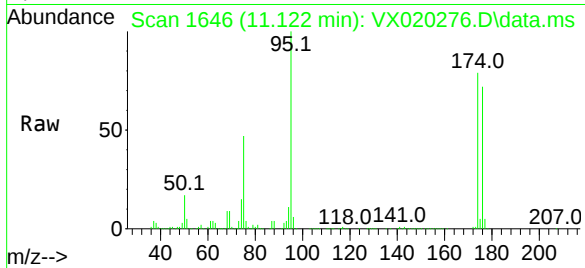




#62
4-Bromofluorobenzene
Concen: 46.84 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

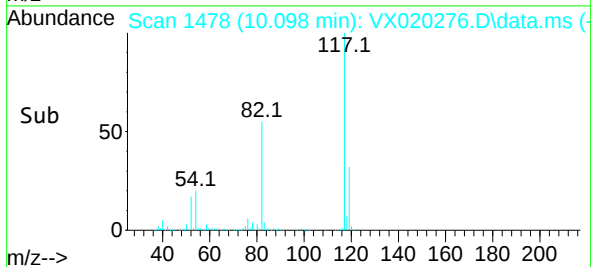
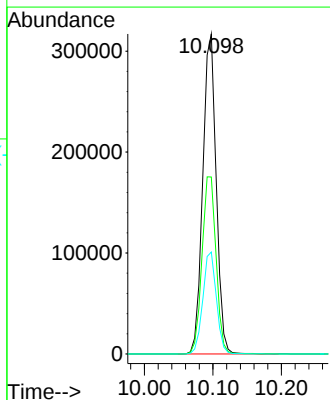
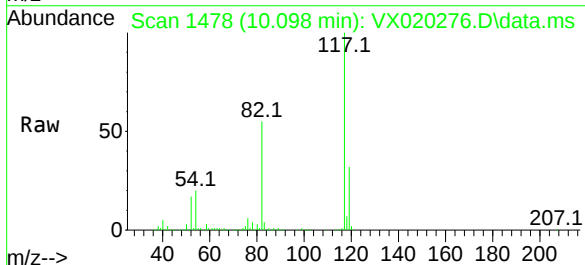
Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

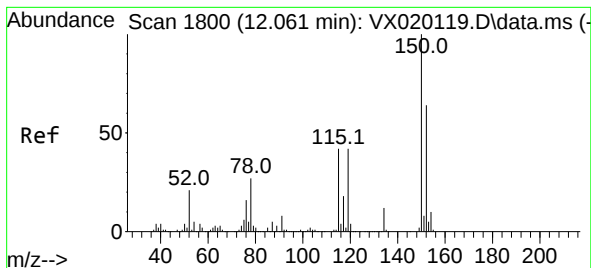
Tgt Ion:	95	Resp:	198975
Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	154.6
176	71.9	0.0	155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion:	117	Resp:	432582
Ion	Ratio	Lower	Upper
117	100		
82	55.3	47.4	71.2
119	31.9	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: VX020276.D

Acq: 22 Dec 2020 02:09

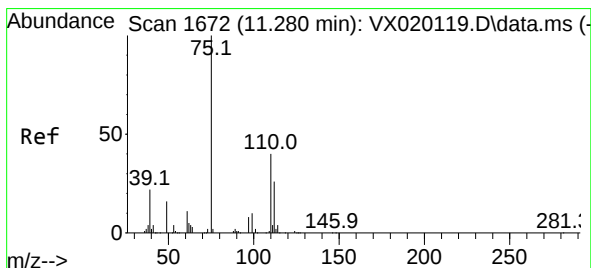
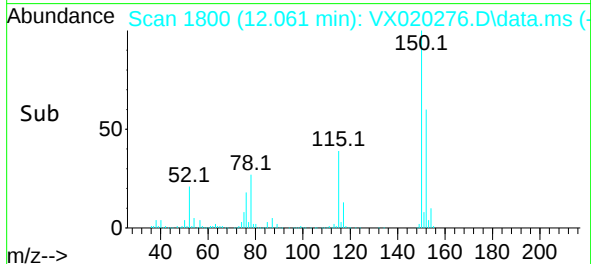
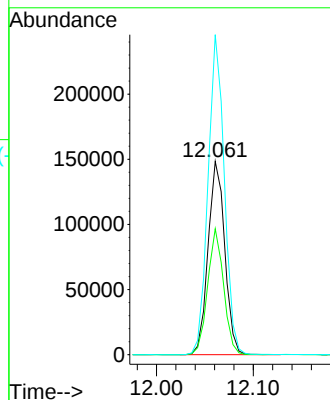
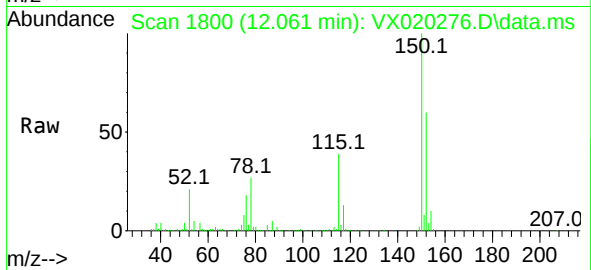
Tgt Ion:152 Resp: 178677

Ion Ratio Lower Upper

152 100

115 62.3 41.1 123.3

150 161.2 0.0 349.0



#76

1,2,3-Trichloropropane

Concen: 22.13 ug/l

RT: 11.122 min Scan# 1646

Delta R.T. -0.158 min

Lab File: VX020276.D

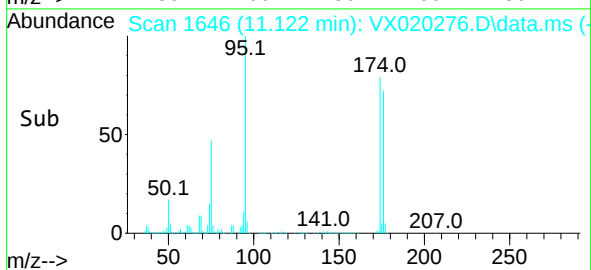
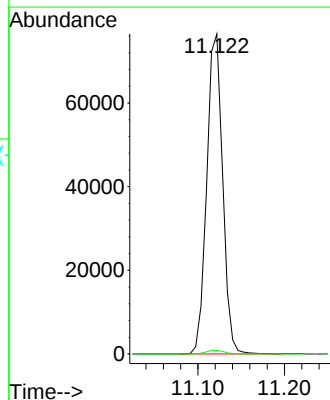
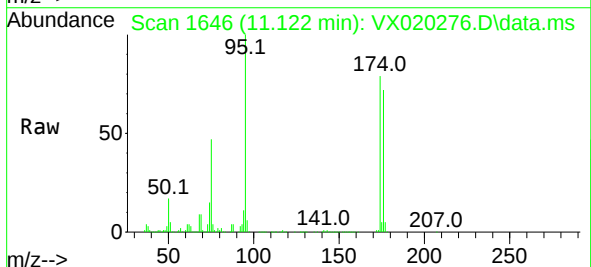
Acq: 22 Dec 2020 02:09

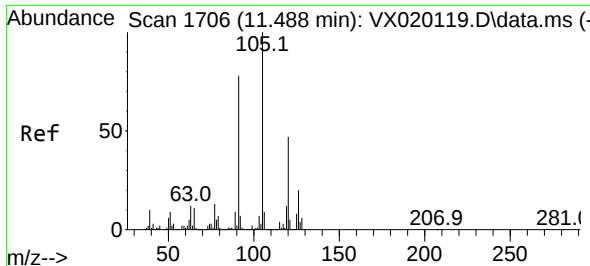
Tgt Ion: 75 Resp: 97422

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#

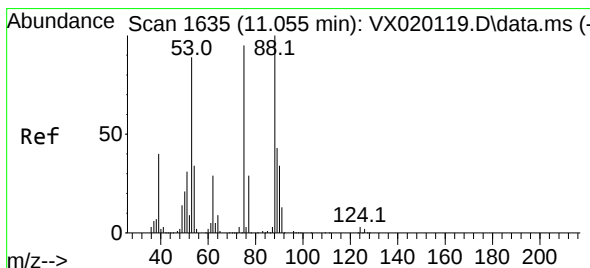
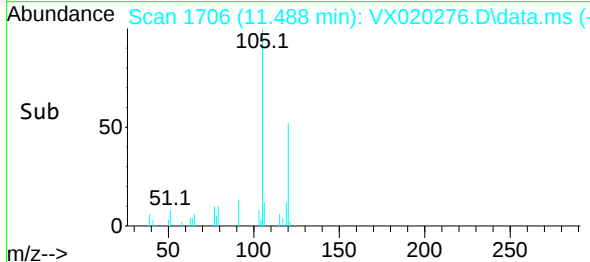
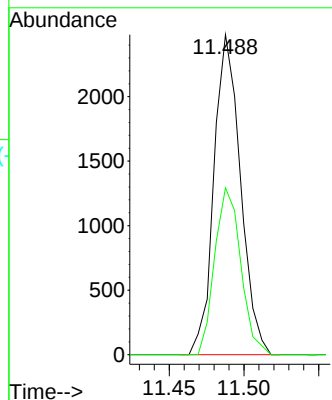
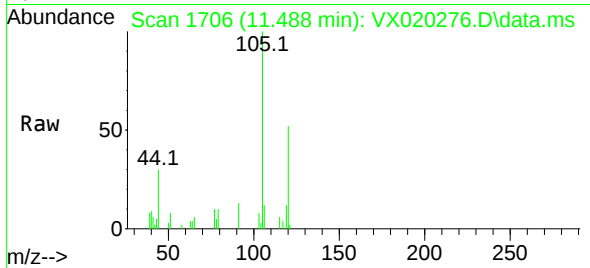




#80
1,3,5-Trimethylbenzene
Concen: 0.28 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Instrument :
MSVOA_X
ClientSampleId :
PB133709ZHE#07

Tgt Ion:105 Resp: 3060
Ion Ratio Lower Upper
105 100
120 51.0 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 65.67 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020276.D
Acq: 22 Dec 2020 02:09

Tgt Ion: 75 Resp: 97422
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

