

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
 Data File : VX020148.D
 Acq On : 19 Dec 2020 04:41
 Operator : JC/MD
 Sample : PB133677ZHE#10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133677ZHE#10

Quant Time: Dec 19 06:39:10 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)

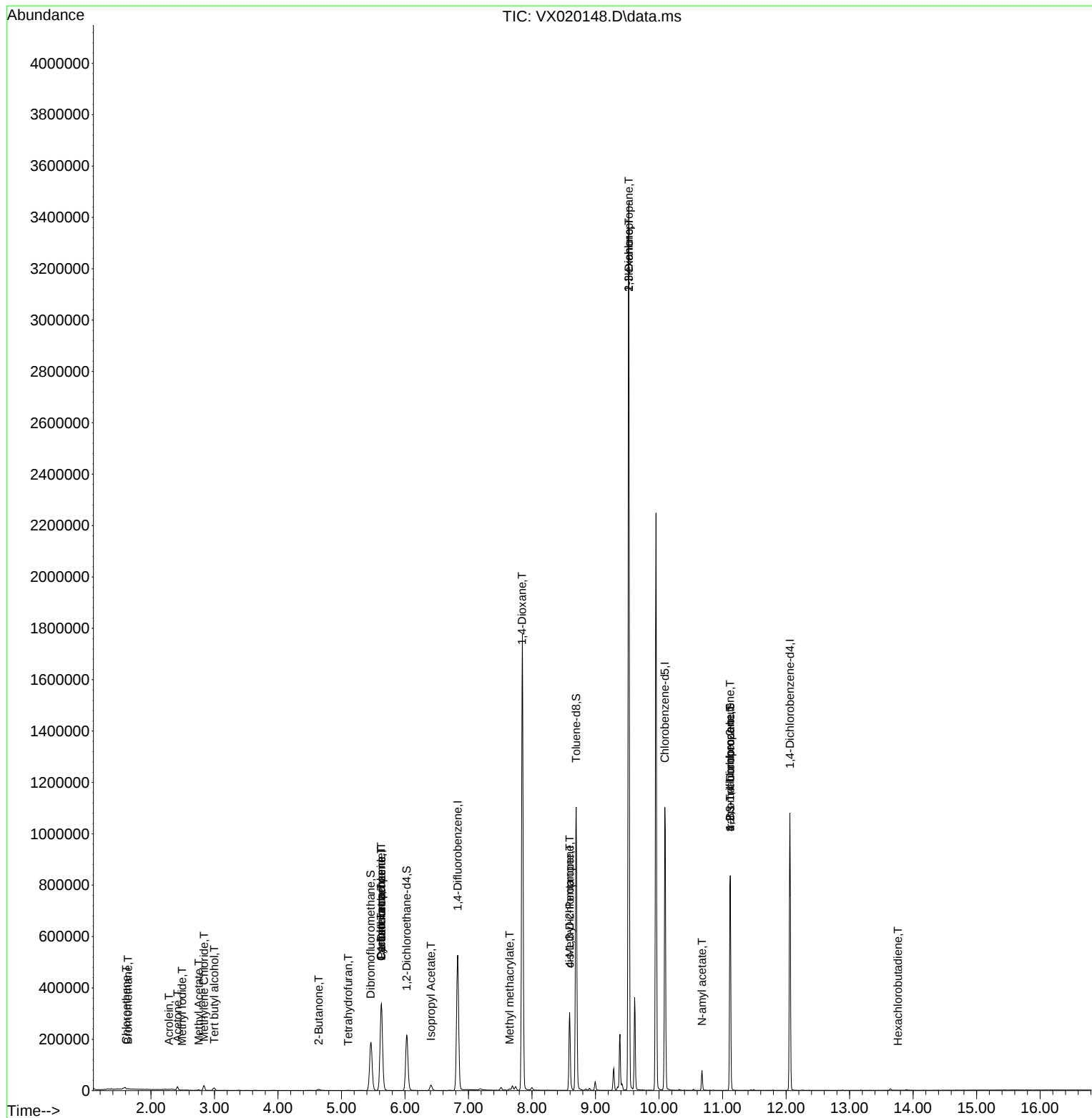
Internal Standards						
1) Pentafluorobenzene	5.629	168	323488	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	534770	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	495992	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	215724	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	205896	47.48	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.96%		
35) Dibromofluoromethane	5.458	113	165572	48.40	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.80%		
50) Toluene-d8	8.695	98	659293	50.07	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	100.14%		
62) 4-Bromofluorobenzene	11.122	95	232632	46.16	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.32%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	801	0.56	ug/l #	62
6) Chloroethane	1.611	64	705	0.26	ug/l #	58
10) Methyl Iodide	2.489	142	412	3.37	ug/l #	84
11) Tert butyl alcohol	2.995	59	5910	6.09	ug/l #	73
13) Acrolein	2.282	56	157	0.26	ug/l #	52
16) Acetone	2.416	43	13212	6.68	ug/l	98
18) Methyl Acetate	2.751	43	2819	0.64	ug/l	95
20) Methylene Chloride	2.837	84	8892	1.99	ug/l	98
25) 2-Butanone	4.641	43	3798	1.32	ug/l #	88
29) Tetrahydrofuran	5.105	42	640	0.35	ug/l #	63
31) Cyclohexane	5.623	56	6110	1.02	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	24966	4.72	ug/l #	48
38) Carbon Tetrachloride	5.623	117	31494	6.27	ug/l #	17
43) Isopropyl Acetate	6.409	43	26316	3.03	ug/l	99
48) Methyl methacrylate	7.647	41	7376	1.74	ug/l #	10
49) 1,4-Dioxane	7.842	88	265	2.66	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	95350	17.76	ug/l #	46
54) cis-1,3-Dichloropropene	8.592	75	50396	7.70	ug/l #	59
57) 1,3-Dichloropropane	9.525	76	30872	4.38	ug/l #	43
59) 2-Hexanone	9.525	43	379881	92.86	ug/l #	46
74) N-amyl acetate	10.677	43	17160	2.73	ug/l #	49
76) 1,2,3-Trichloropropane	11.122	75	114017	21.46	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	114017	63.66	ug/l #	12
94) Hexachlorobutadiene	13.762	225	21	2.65	ug/l #	19

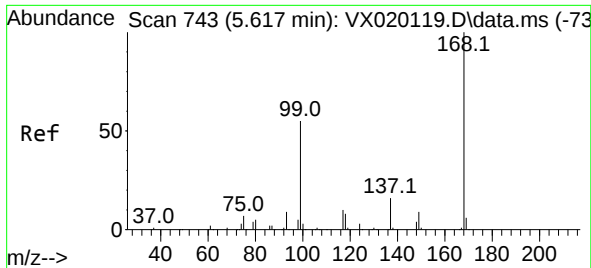
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
PB133677ZHE#10

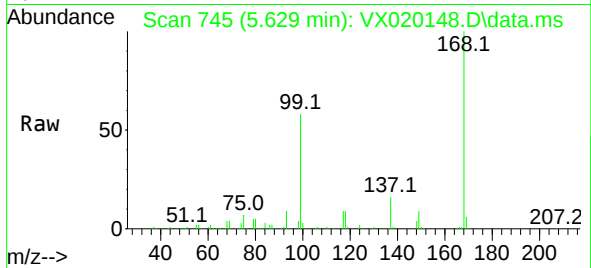
Quant Time: Dec 19 06:39:10 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration



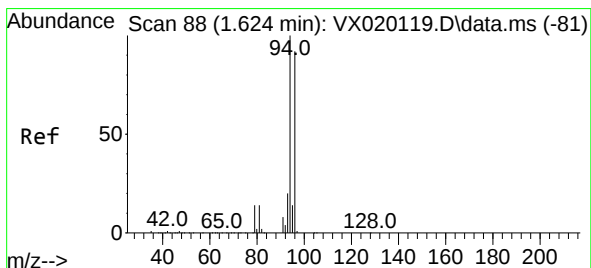
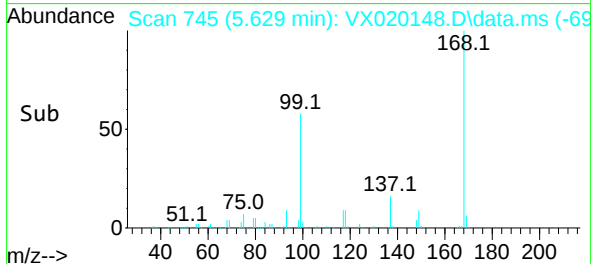
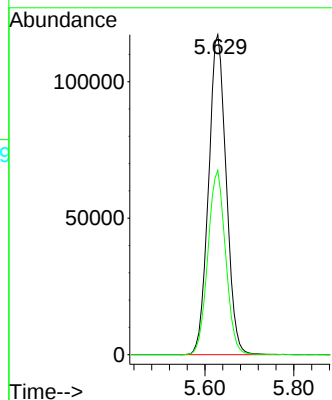


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

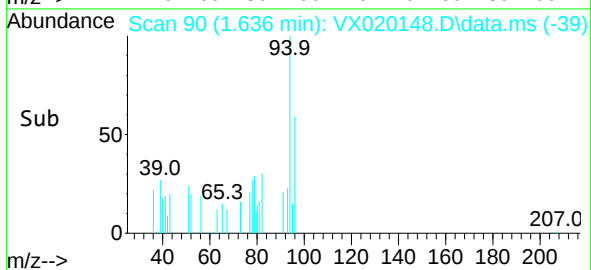
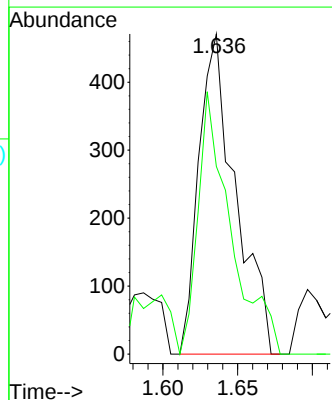
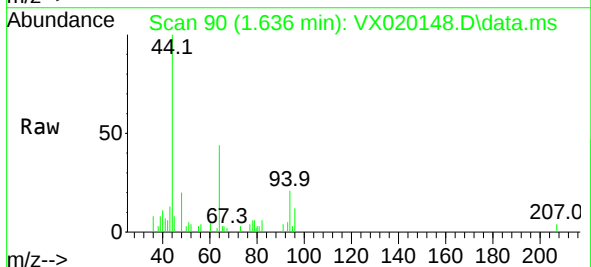


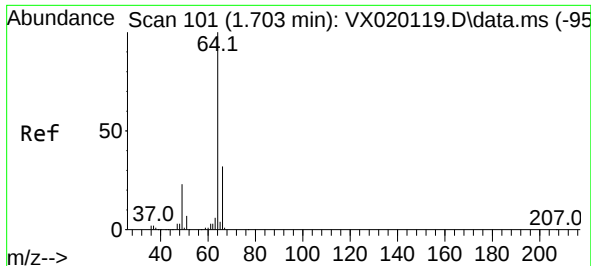
Tgt Ion:168 Resp: 323488
Ion Ratio Lower Upper
168 100
99 57.6 45.8 68.6



#5
Bromomethane
Concen: 0.56 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion: 94 Resp: 801
Ion Ratio Lower Upper
94 100
96 58.6 76.4 114.6#

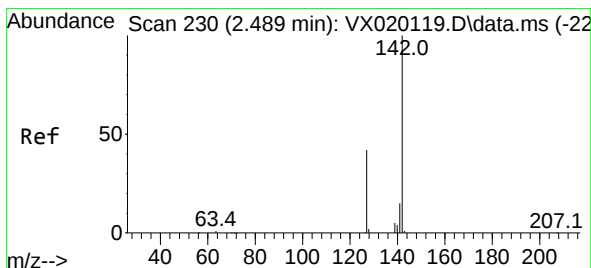
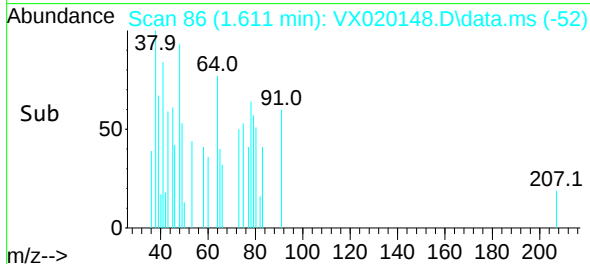
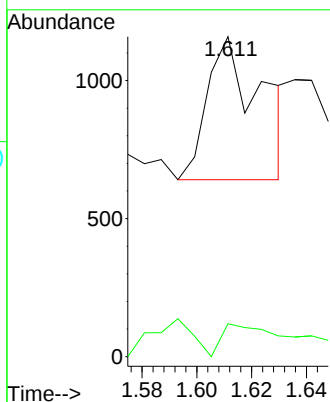
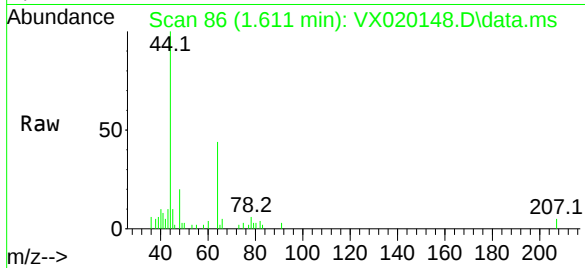




#6
Chloroethane
Concen: 0.26 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.092 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

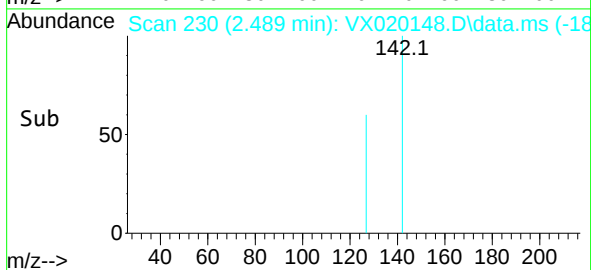
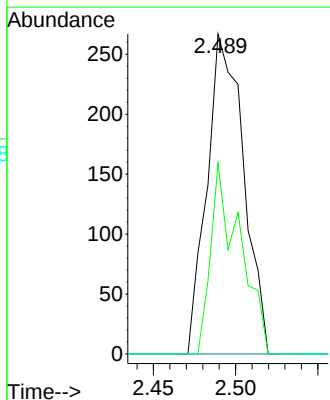
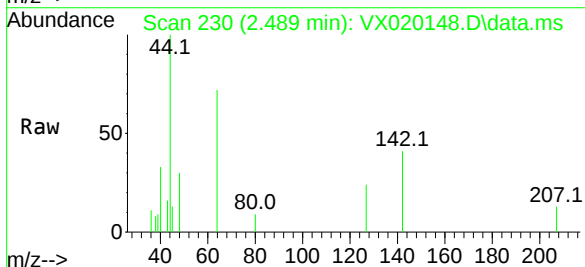
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

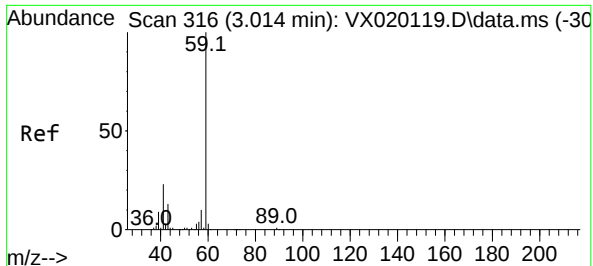
Tgt Ion: 64 Resp: 705
Ion Ratio Lower Upper
64 100
66 8.5 25.4 38.0#



#10
Methyl Iodide
Concen: 3.37 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion:142 Resp: 412
Ion Ratio Lower Upper
142 100
127 47.6 33.3 49.9
141 0.0 11.4 17.0#

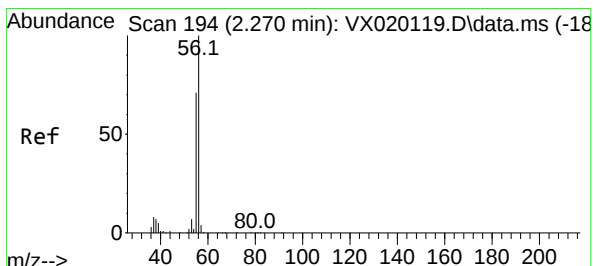
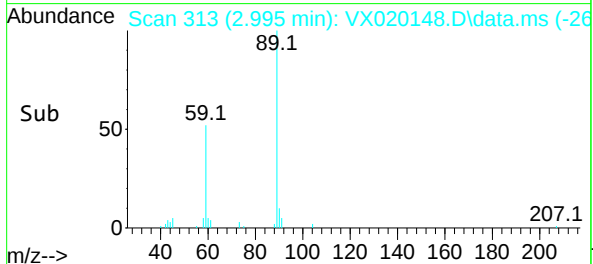
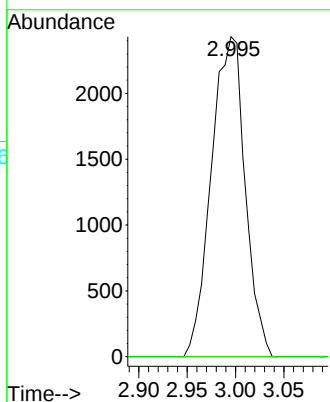
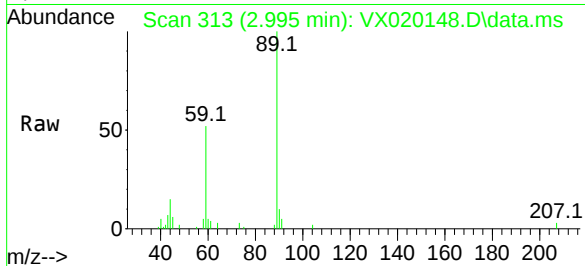




#11
Tert butyl alcohol
Concen: 6.09 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

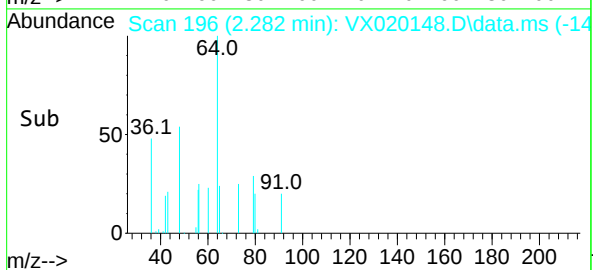
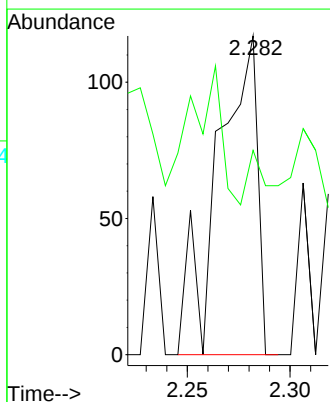
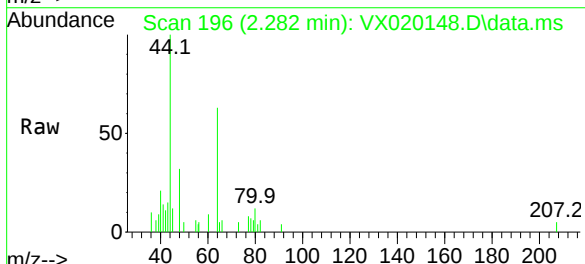
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

Tgt Ion: 59 Resp: 5910
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.26 ug/l
RT: 2.282 min Scan# 196
Delta R.T. 0.012 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
55 110.2 56.4 84.6#

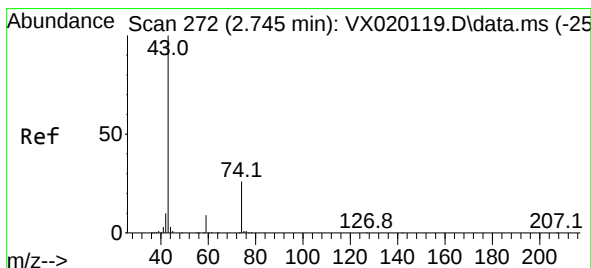
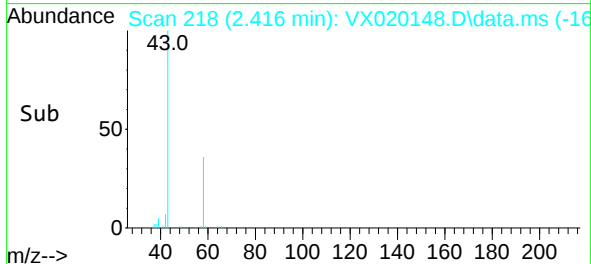
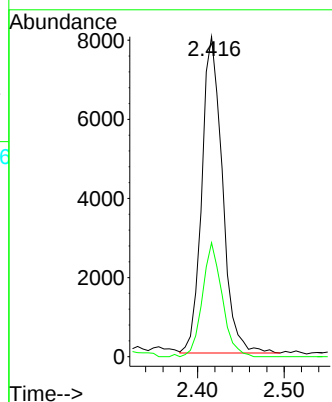
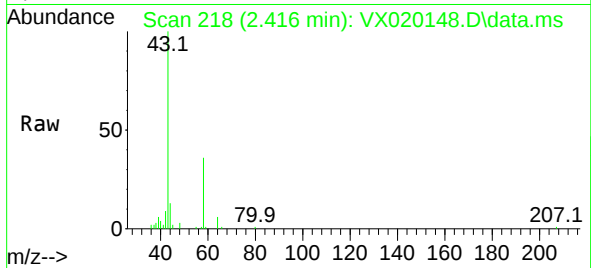




#16
Acetone
Concen: 6.68 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

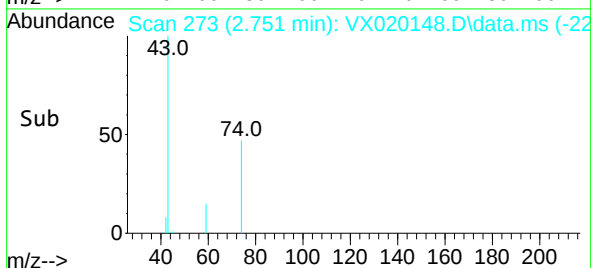
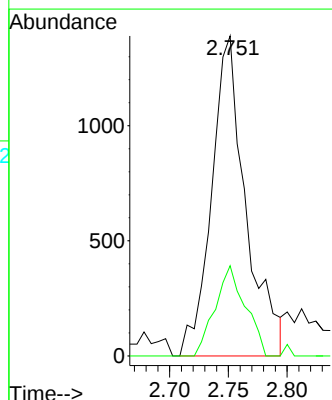
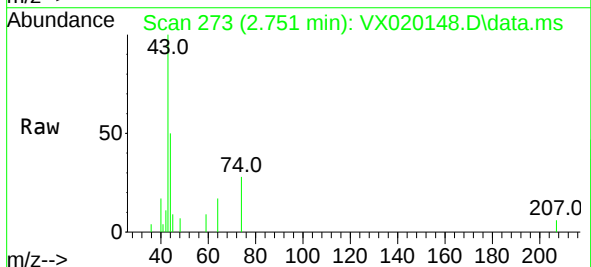
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

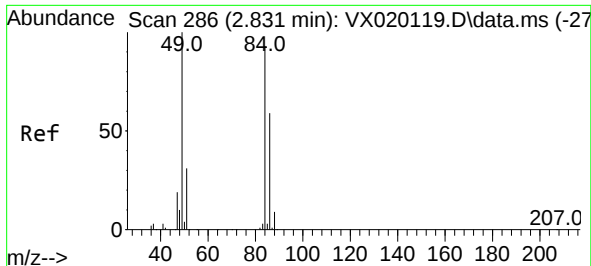
Tgt Ion: 43 Resp: 13212
Ion Ratio Lower Upper
43 100
58 36.0 27.8 41.8



#18
Methyl Acetate
Concen: 0.64 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.006 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

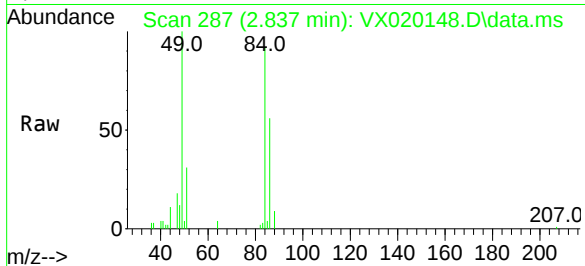
Tgt Ion: 43 Resp: 2819
Ion Ratio Lower Upper
43 100
74 24.8 21.9 32.9



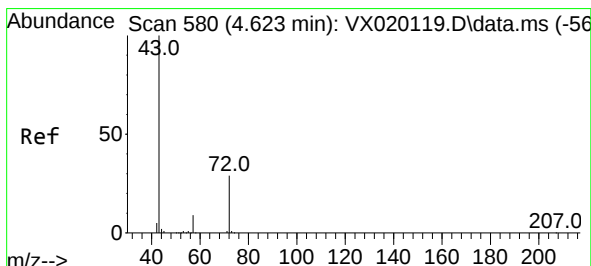
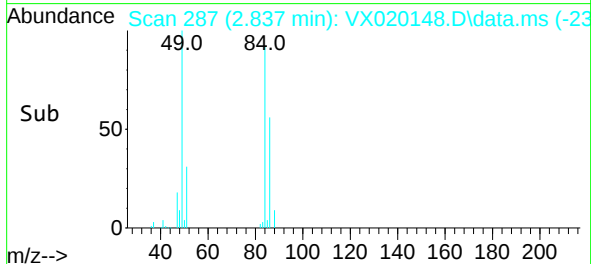
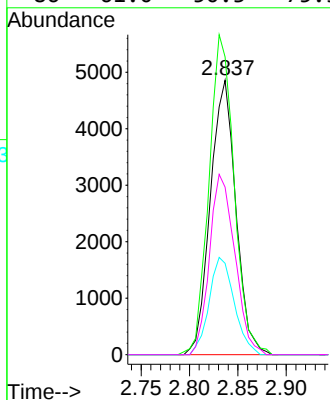


#20
Methylene Chloride
Concen: 1.99 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

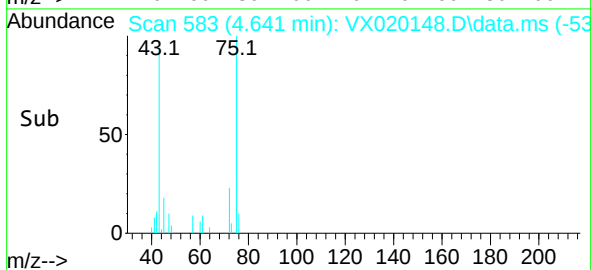
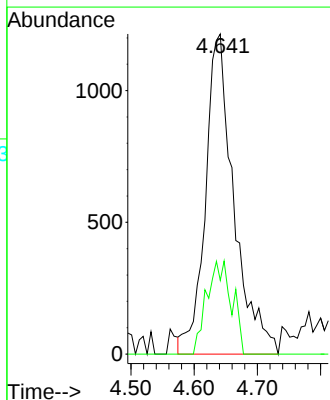
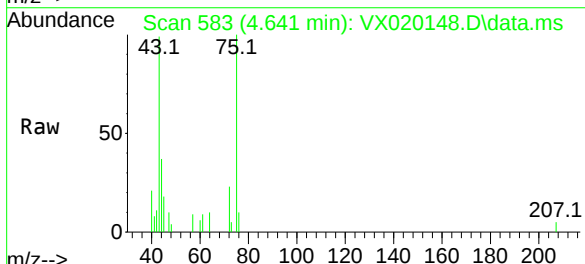


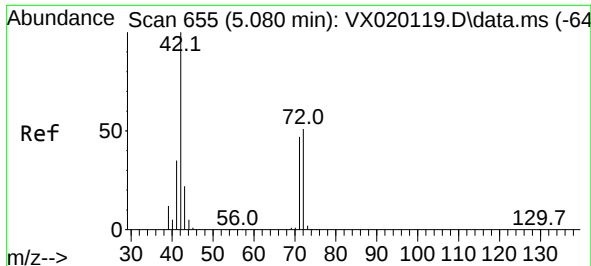
Tgt Ion:	84	Resp:	8892
Ion	Ratio	Lower	Upper
84	100		
49	108.5	88.6	132.8
51	33.3	27.0	40.6
86	61.0	50.3	75.5



#25
2-Butanone
Concen: 1.32 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion:	43	Resp:	3798
Ion	Ratio	Lower	Upper
43	100		
72	23.0	23.7	35.5#





#29

Tetrahydrofuran

Concen: 0.35 ug/l

RT: 5.105 min Scan# 659

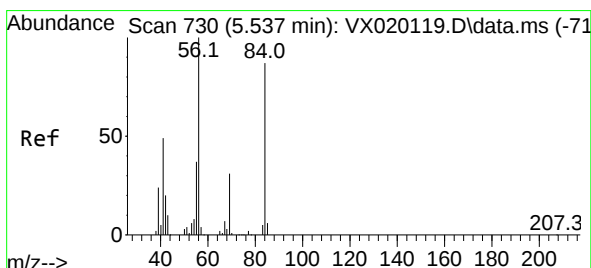
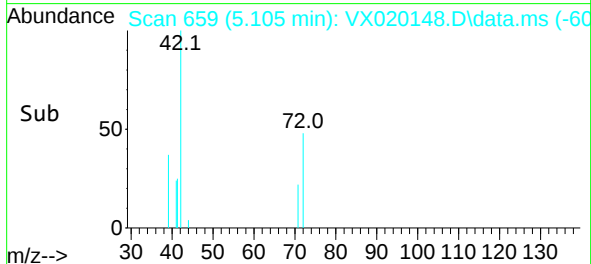
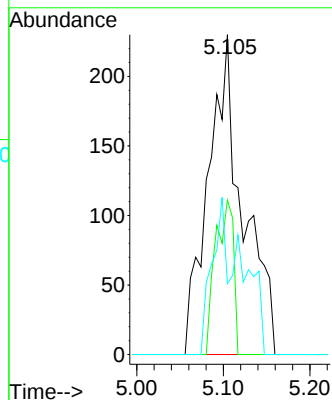
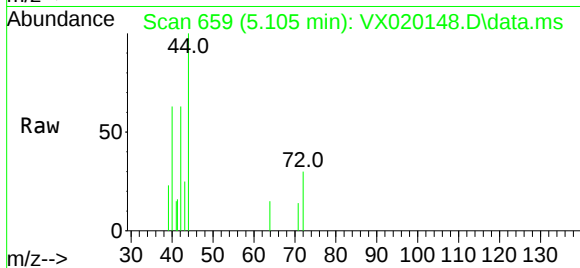
Delta R.T. 0.025 min

Lab File: VX020148.D

Acq: 19 Dec 2020 04:41

Tgt Ion:	42	Resp:	640
Ion	Ratio	Lower	Upper
42	100		
72	25.2	41.7	62.5#
71	23.6	38.4	57.6#

Instrument :
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#31

Cyclohexane

Concen: 1.02 ug/l

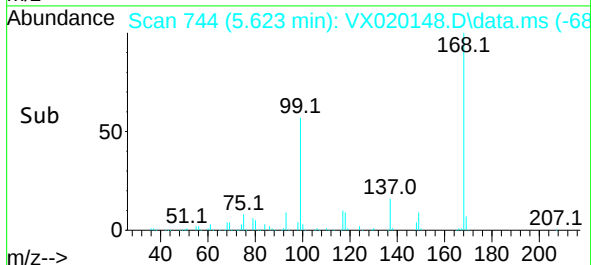
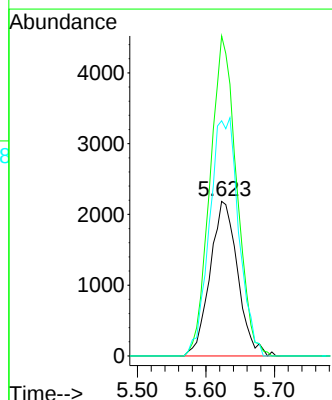
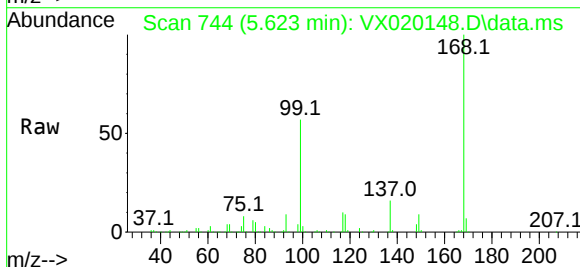
RT: 5.623 min Scan# 744

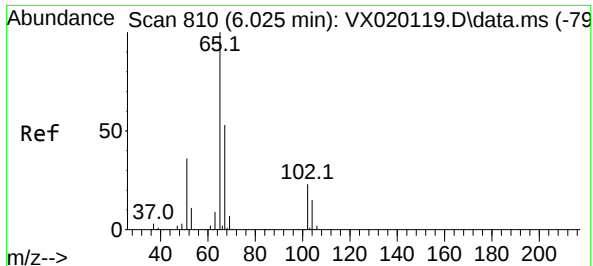
Delta R.T. 0.086 min

Lab File: VX020148.D

Acq: 19 Dec 2020 04:41

Tgt Ion:	56	Resp:	6110
Ion	Ratio	Lower	Upper
56	100		
69	207.1	25.3	37.9#
84	152.2	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.48 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020148.D

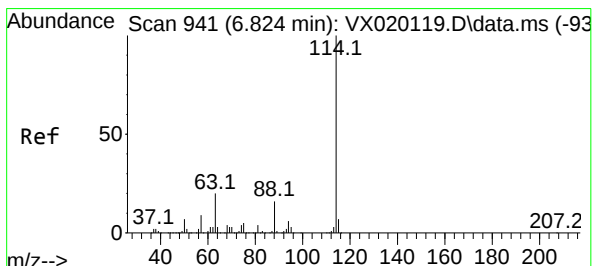
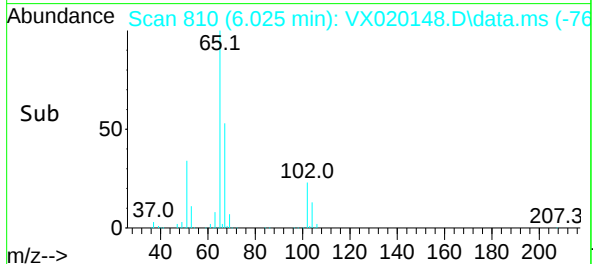
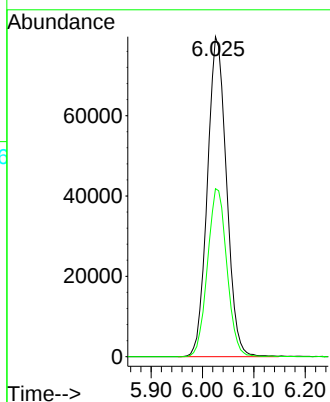
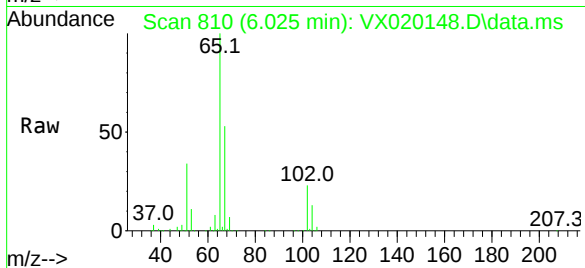
Acq: 19 Dec 2020 04:41

Tgt Ion: 65 Resp: 205896

Ion Ratio Lower Upper

65 100

67 53.1 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: VX020148.D

Acq: 19 Dec 2020 04:41

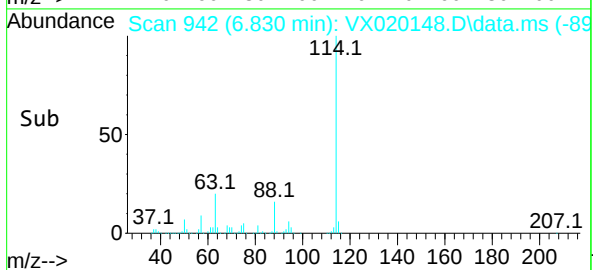
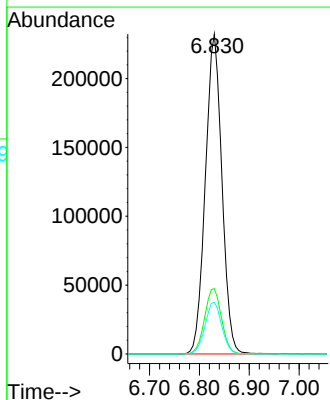
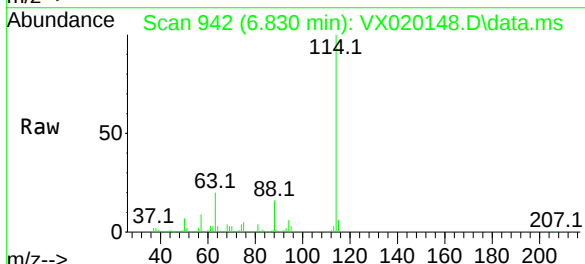
Tgt Ion: 114 Resp: 534770

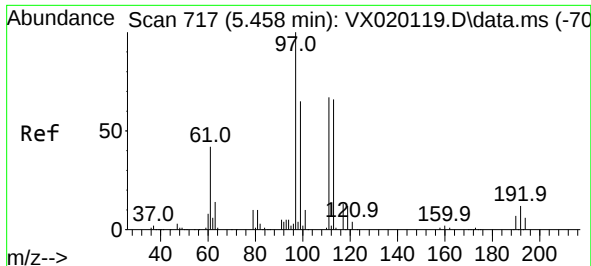
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

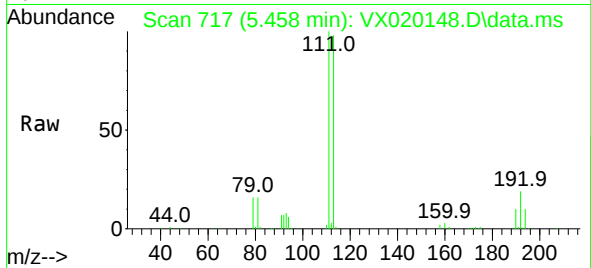
88 16.1 0.0 32.8



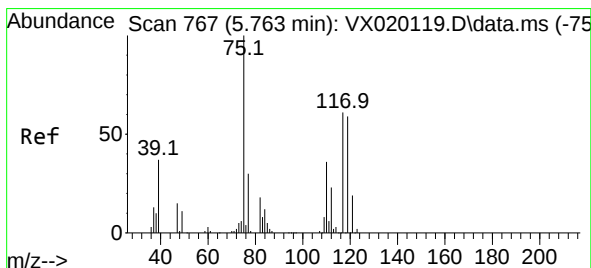
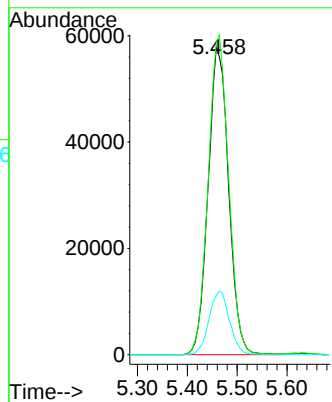
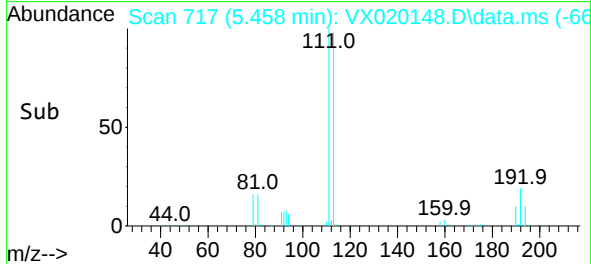


#35
Dibromofluoromethane
Concen: 48.40 ug/l
RT: 5.458 min Scan# 717
Delta R.T. 0.000 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

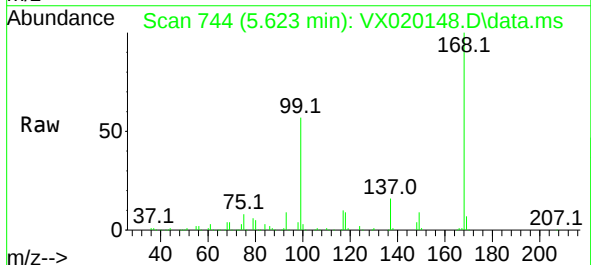
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10



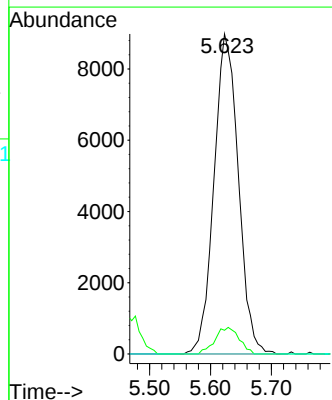
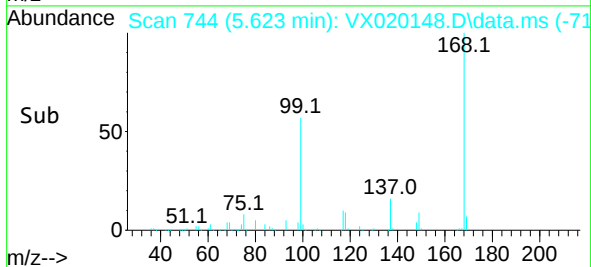
Tgt Ion:113 Resp: 165572
Ion Ratio Lower Upper
113 100
111 103.6 81.9 122.9
192 20.6 16.7 25.1

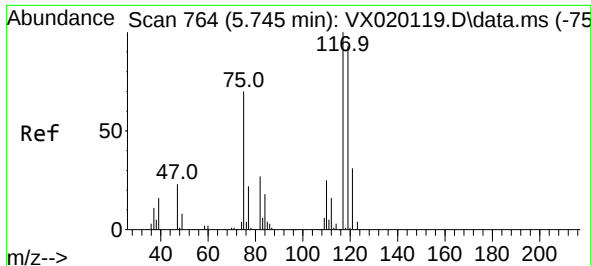


#36
1,1-Dichloropropene
Concen: 4.72 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41



Tgt Ion: 75 Resp: 24966
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.4#
77 0.0 25.3 37.9#

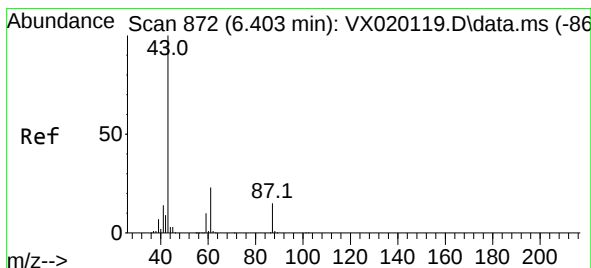
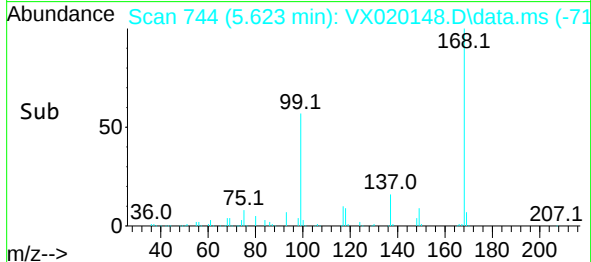
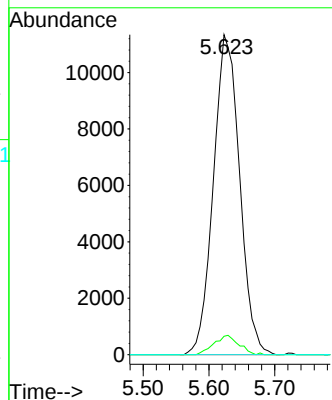
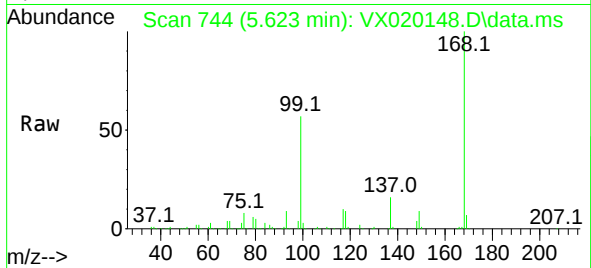




#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

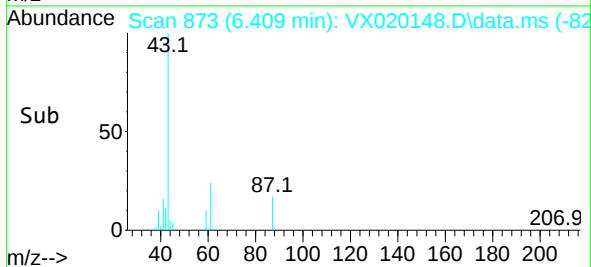
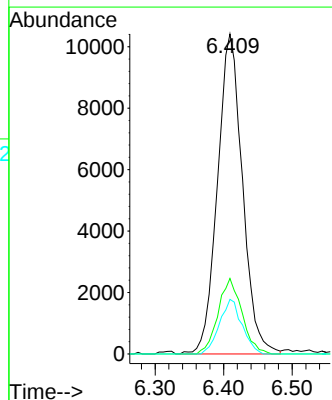
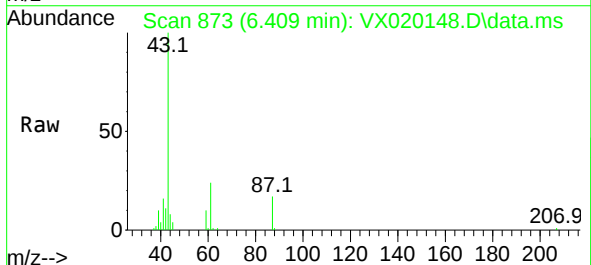
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

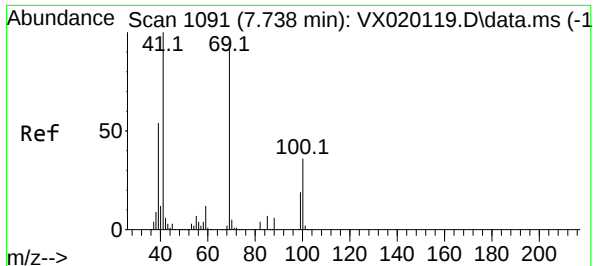
Tgt Ion:117 Resp: 31494
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.03 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion: 43 Resp: 26316
Ion Ratio Lower Upper
43 100
61 22.5 18.2 27.4
87 15.3 12.5 18.7

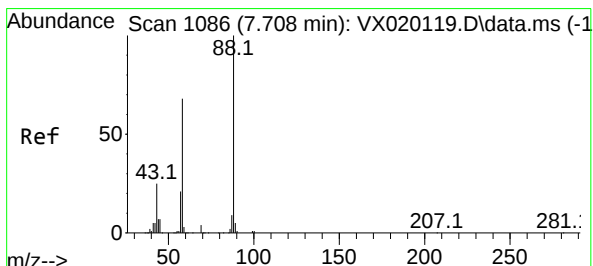
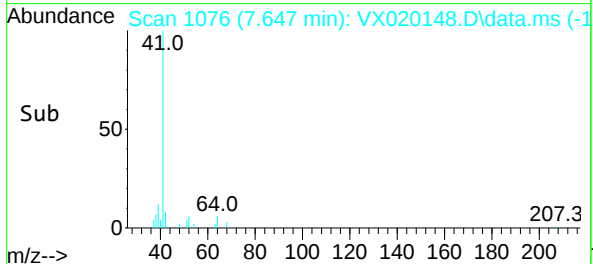
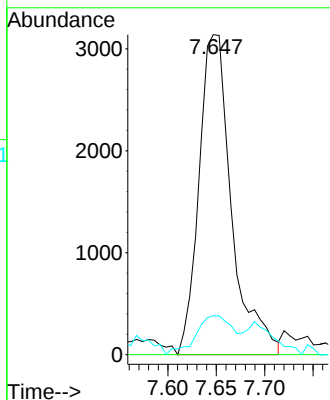
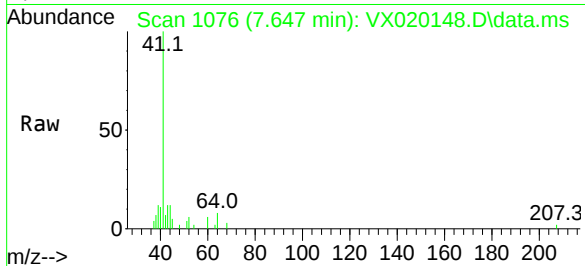




#48
Methyl methacrylate
Concen: 1.74 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

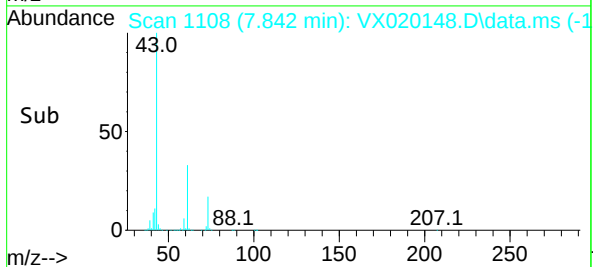
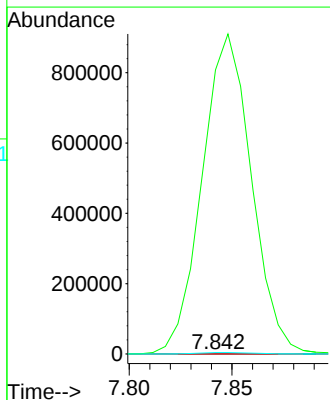
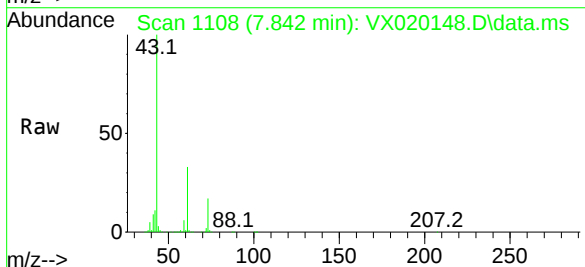
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

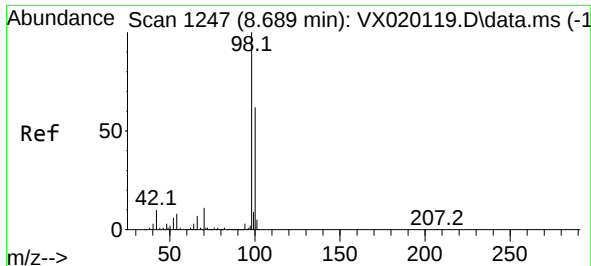
Tgt Ion: 41 Resp: 7376
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 2.66 ug/l
RT: 7.842 min Scan# 1108
Delta R.T. 0.134 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion: 88 Resp: 265
Ion Ratio Lower Upper
88 100
43 576927.9 23.2 34.8#
58 2934.7 55.0 82.4#

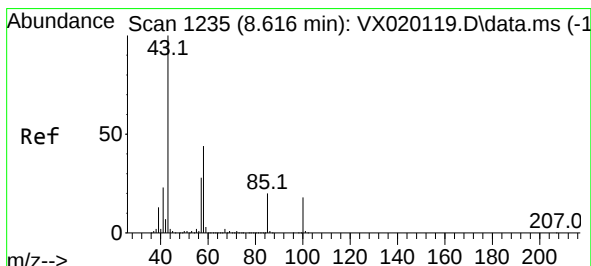
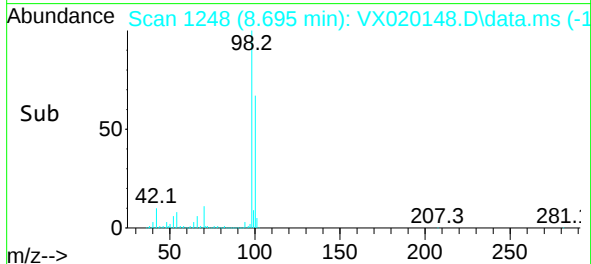
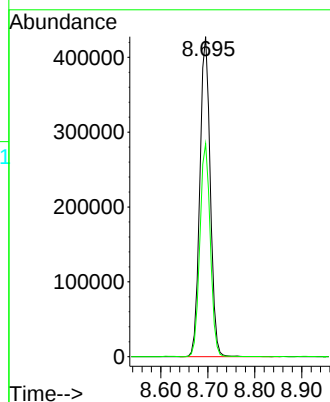
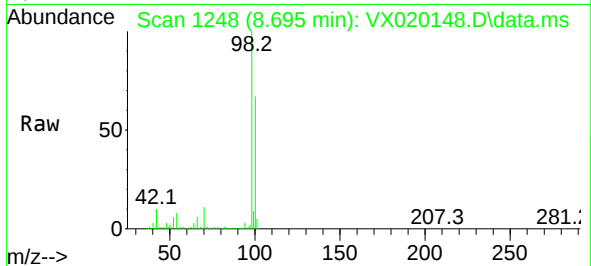




#50
Toluene-d8
Concen: 50.07 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

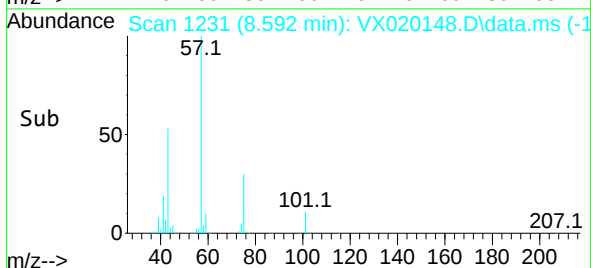
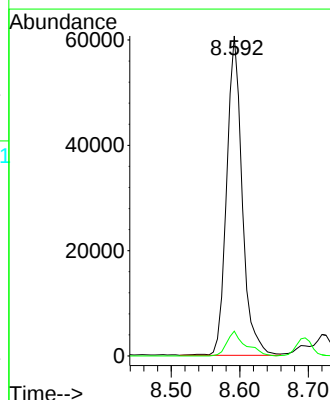
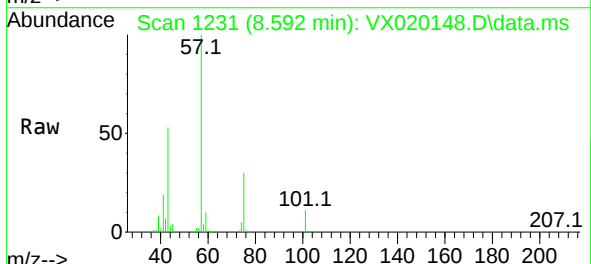
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

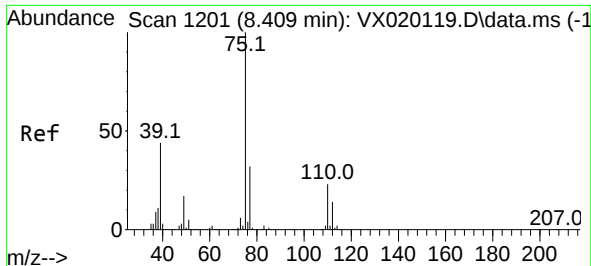
Tgt Ion: 98 Resp: 659293
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 17.76 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion: 43 Resp: 95350
Ion Ratio Lower Upper
43 100
58 9.3 35.4 53.0#

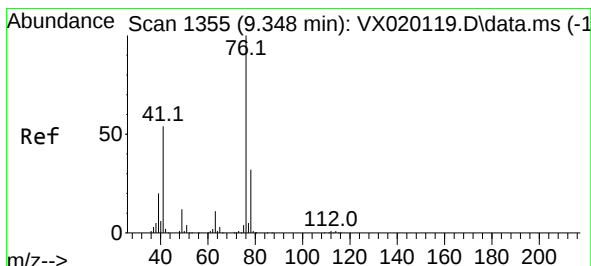
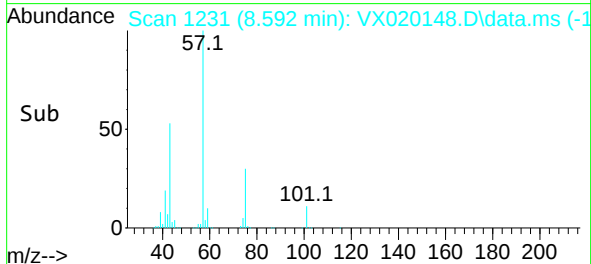
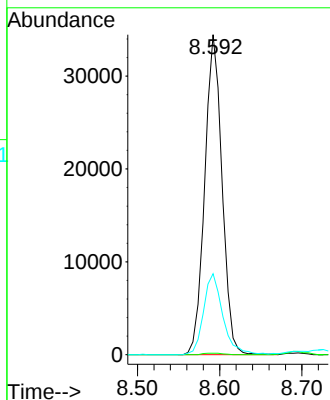
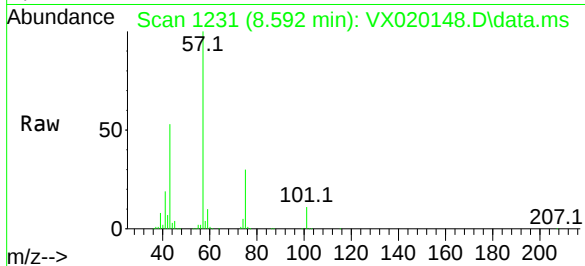




#54
cis-1,3-Dichloropropene
Concen: 7.70 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

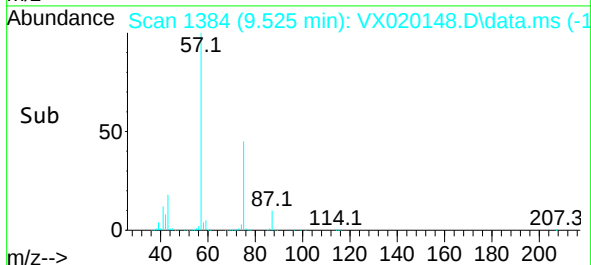
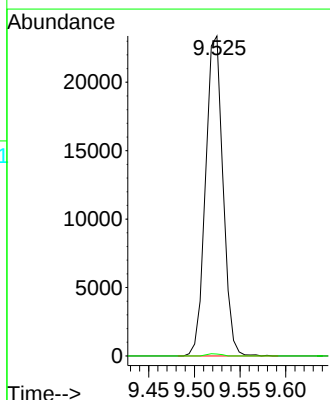
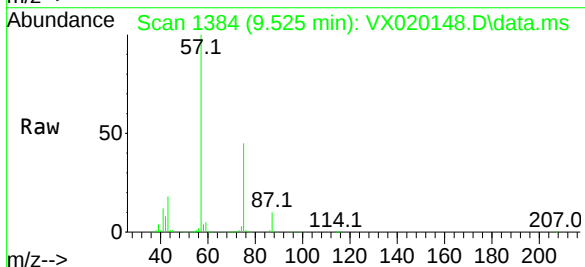
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

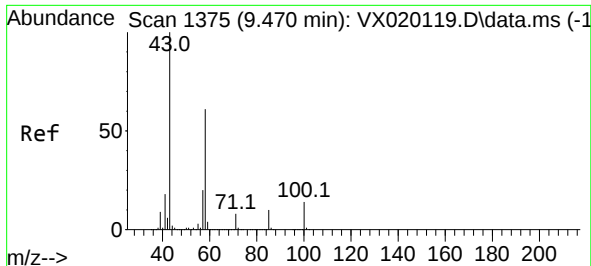
Tgt Ion: 75 Resp: 50396
Ion Ratio Lower Upper
75 100
77 0.5 25.7 38.5#
39 25.3 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 4.38 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion: 76 Resp: 30872
Ion Ratio Lower Upper
76 100
78 0.6 26.2 39.2#

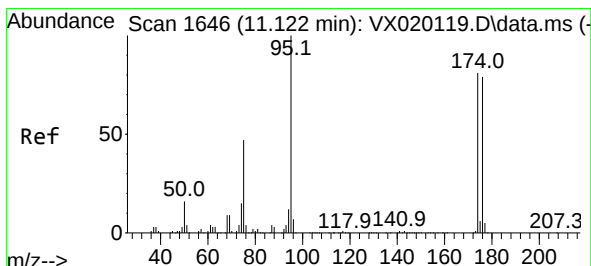
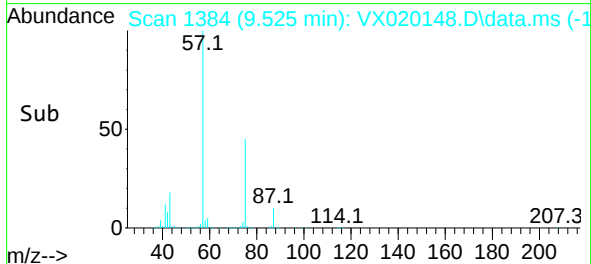
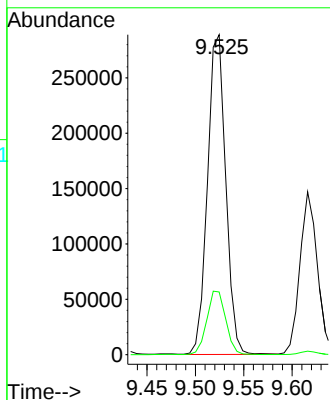
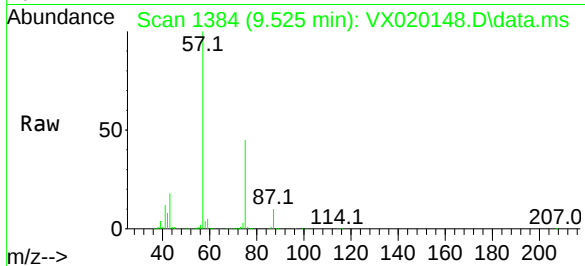




#59
2-Hexanone
Concen: 92.86 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

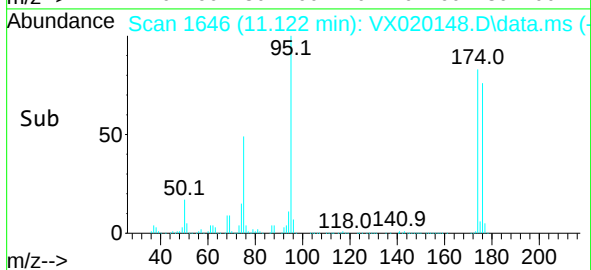
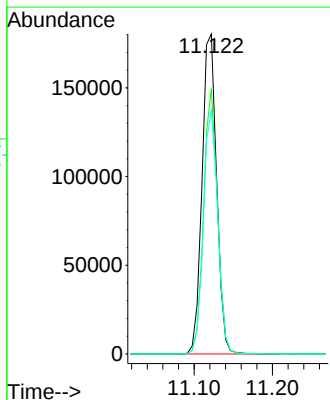
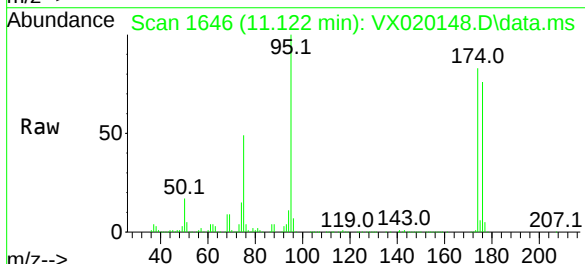
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

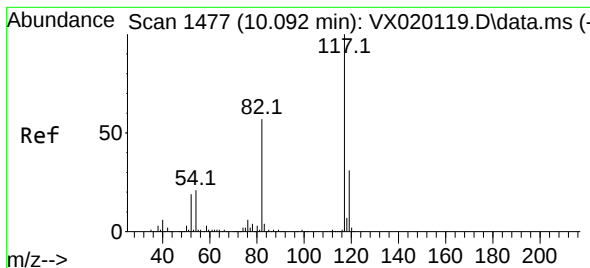
Tgt Ion: 43 Resp: 379881
Ion Ratio Lower Upper
43 100
58 20.6 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 46.16 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion: 95 Resp: 232632
Ion Ratio Lower Upper
95 100
174 78.9 0.0 154.6
176 75.0 0.0 155.8

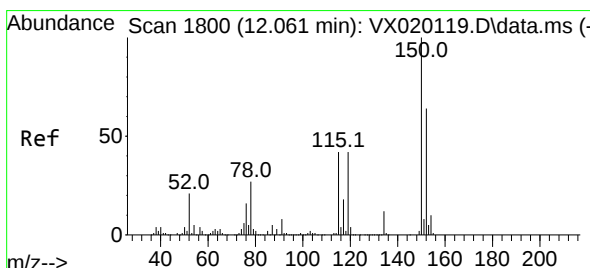
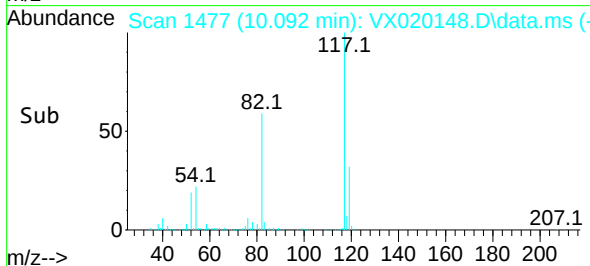
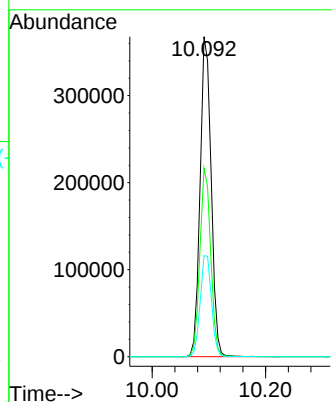
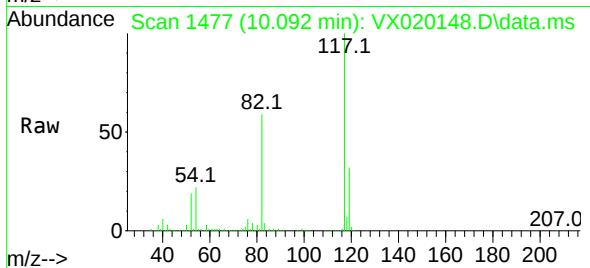




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

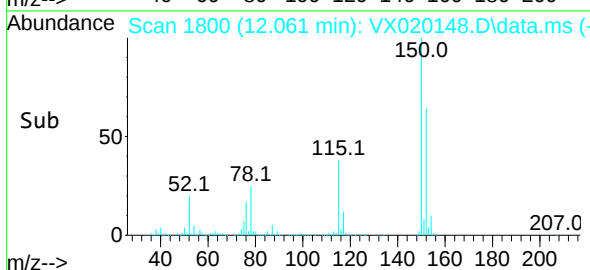
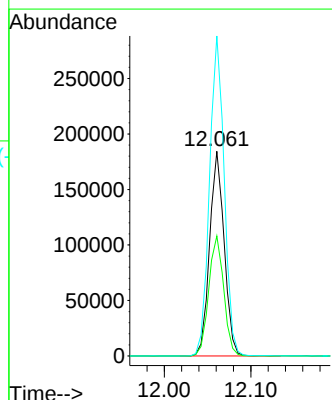
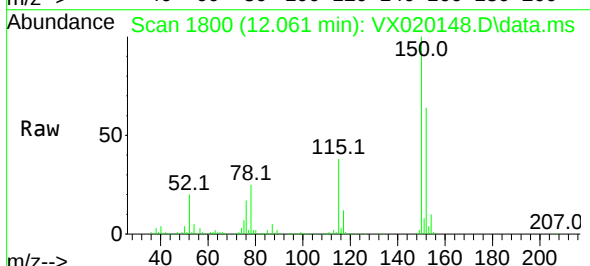
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

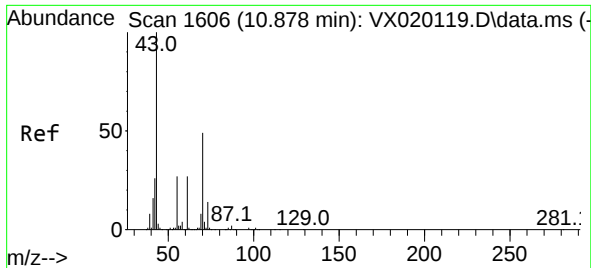
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.0	47.4	71.2
119	31.6	26.6	39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	41.1	123.3
150	157.5	0.0	349.0

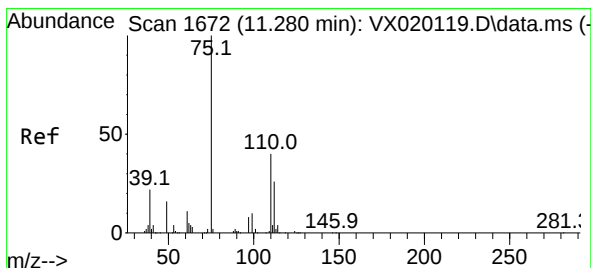
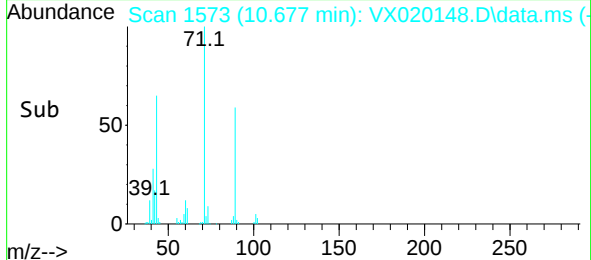
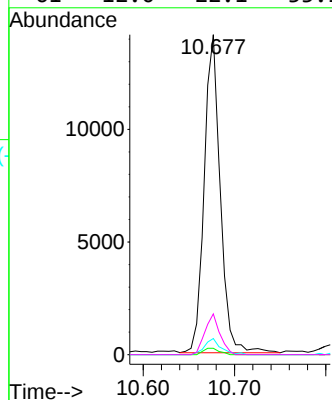
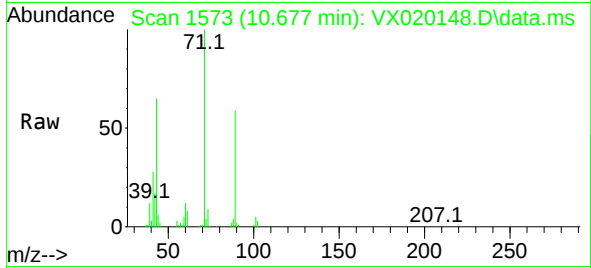




#74
N-amy1 acetate
Concen: 2.73 ug/l
RT: 10.677 min Scan# 1573
Delta R.T. -0.201 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

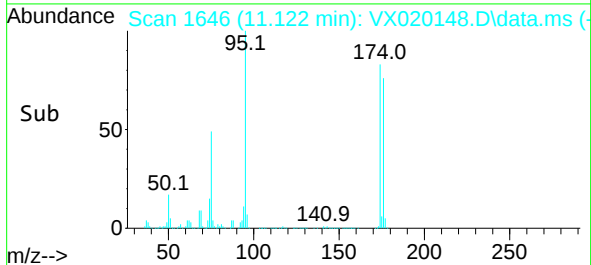
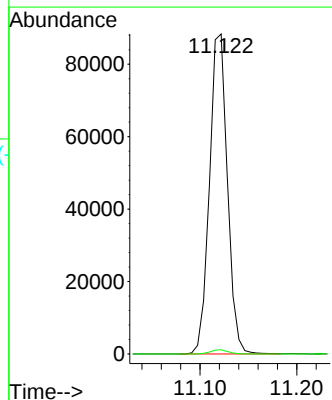
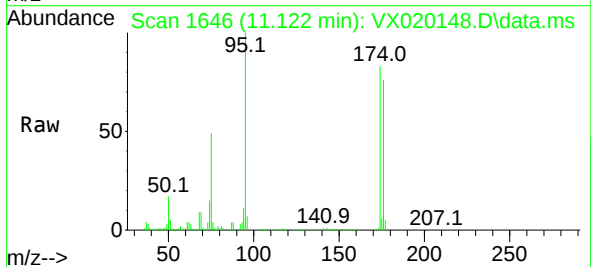
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10

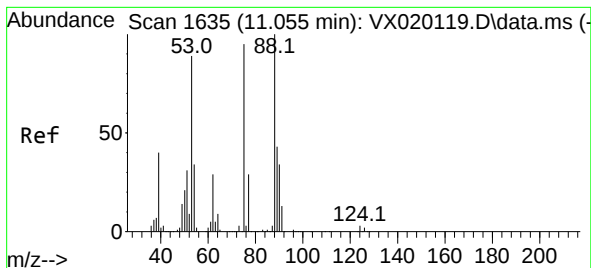
Tgt Ion: 43 Resp: 17160
Ion Ratio Lower Upper
43 100
70 2.0 39.0 58.6#
55 5.2 21.5 32.3#
61 12.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 21.46 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

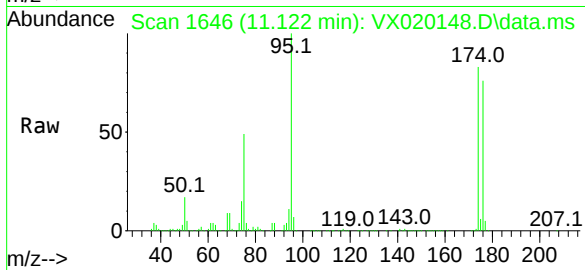
Tgt Ion: 75 Resp: 114017
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



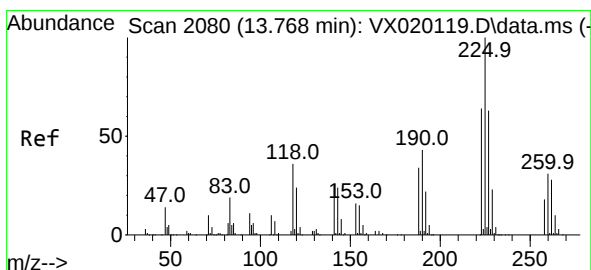
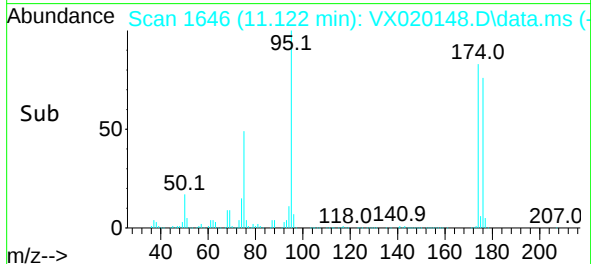
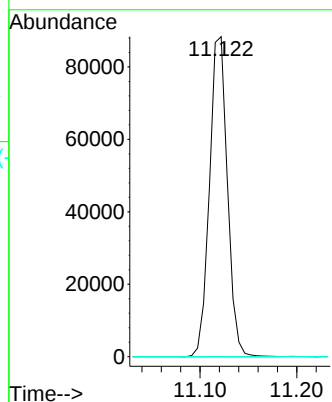


#81
trans-1,4-Dichloro-2-butene
Concen: 63.66 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#10



Tgt Ion: 75 Resp: 114017
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.65 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.006 min
Lab File: VX020148.D
Acq: 19 Dec 2020 04:41

Tgt Ion: 225 Resp: 21
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 31.6 95.0#

