

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121820\
 Data File : VX020147.D
 Acq On : 19 Dec 2020 04:18
 Operator : JC/MD
 Sample : PB133677ZHE#09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133677ZHE#09

Quant Time: Dec 19 06:38:54 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)

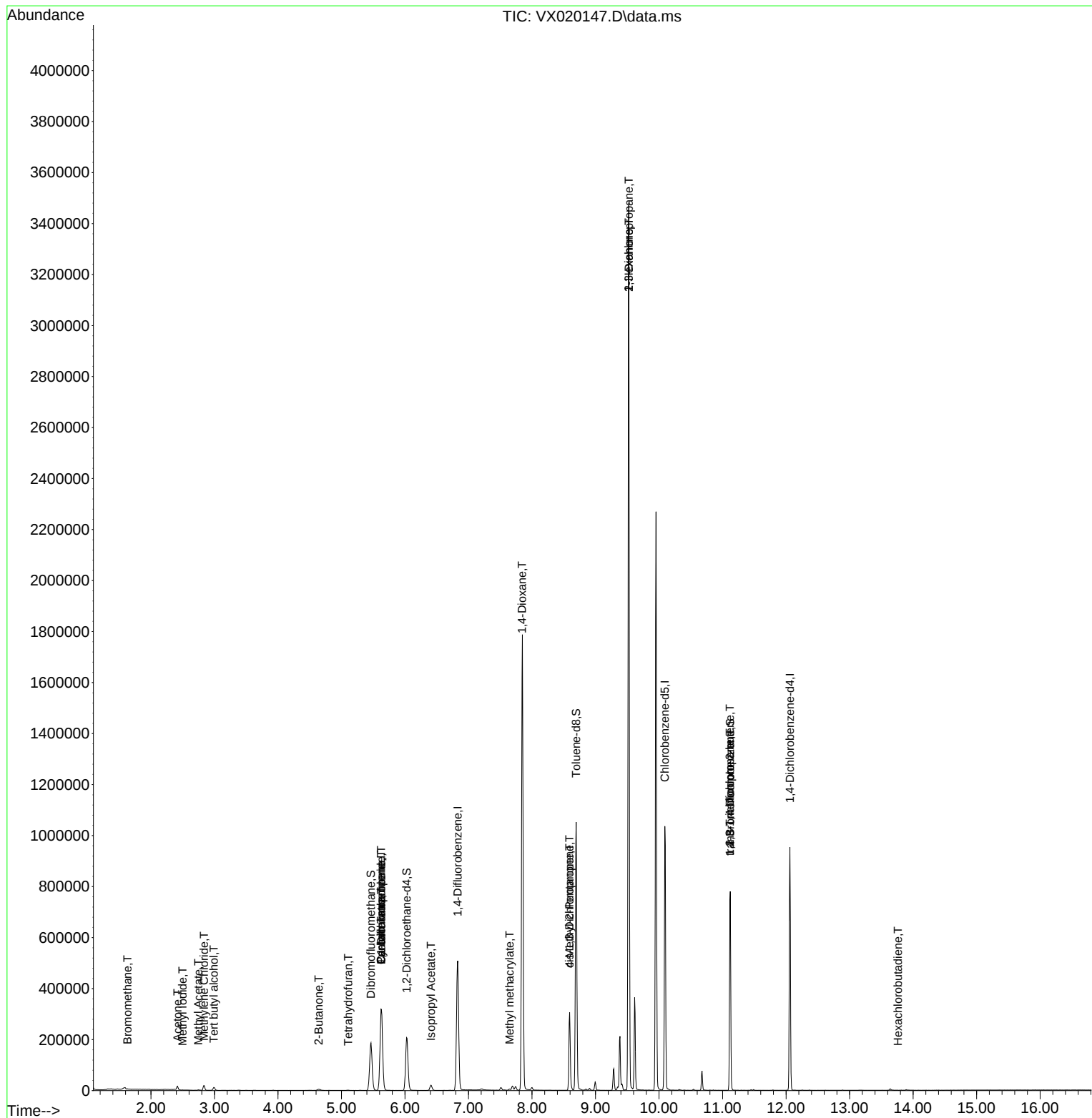
Internal Standards						
1) Pentafluorobenzene	5.623	168	313126	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	521832	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	475217	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	192967	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	199215	47.46	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.92%		
35) Dibromofluoromethane	5.464	113	160300	48.02	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.04%		
50) Toluene-d8	8.696	98	640049	49.81	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.62%		
62) 4-Bromofluorobenzene	11.122	95	218729	44.48	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	88.96%		
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	729	0.53	ug/l	82
10) Methyl Iodide	2.495	142	643	3.43	ug/l #	94
11) Tert butyl alcohol	2.989	59	6704	7.13	ug/l #	77
16) Acetone	2.416	43	14215	7.43	ug/l	97
18) Methyl Acetate	2.745	43	2647	0.62	ug/l #	89
20) Methylene Chloride	2.837	84	8982	2.08	ug/l	96
25) 2-Butanone	4.641	43	3704	1.33	ug/l #	85
29) Tetrahydrofuran	5.105	42	634	0.36	ug/l #	81
31) Cyclohexane	5.623	56	6058	1.05	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	23595	4.58	ug/l #	49
38) Carbon Tetrachloride	5.623	117	30758	6.27	ug/l #	17
43) Isopropyl Acetate	6.409	43	26613	3.15	ug/l	98
48) Methyl methacrylate	7.647	41	6846	1.65	ug/l #	10
49) 1,4-Dioxane	7.842	88	330	3.40	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	95905	18.31	ug/l #	46
54) cis-1,3-Dichloropropene	8.592	75	50610	7.92	ug/l #	60
57) 1,3-Dichloropropane	9.525	76	31862	4.63	ug/l #	43
59) 2-Hexanone	9.525	43	381344	95.53	ug/l #	46
76) 1,2,3-Trichloropropane	11.116	75	106441	22.39	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	106441	66.44	ug/l #	12
94) Hexachlorobutadiene	13.762	225	24	2.66	ug/l #	19

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

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Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
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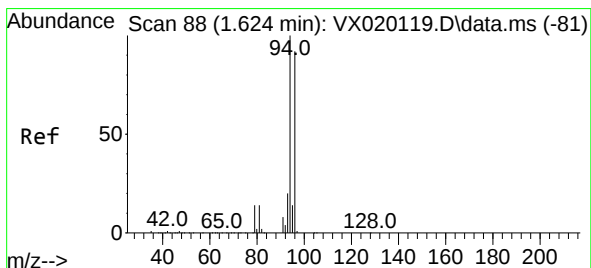
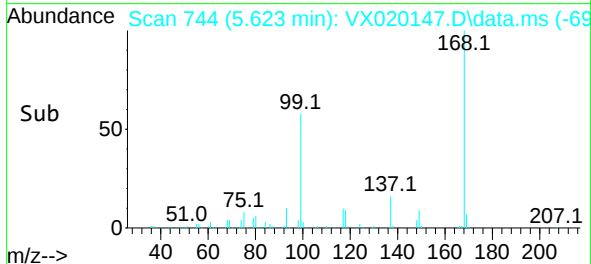
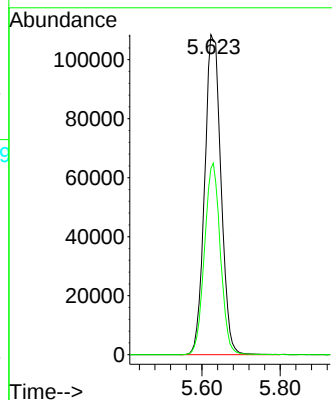
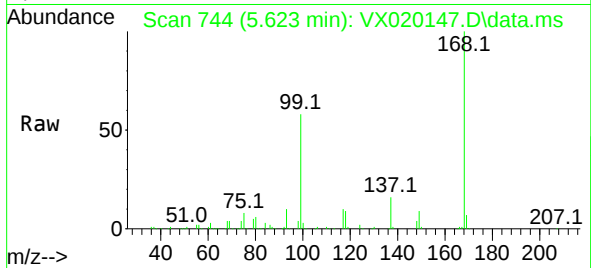




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.006 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

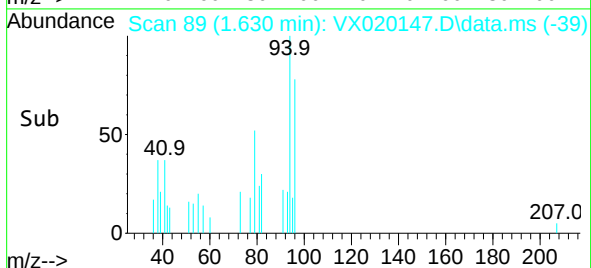
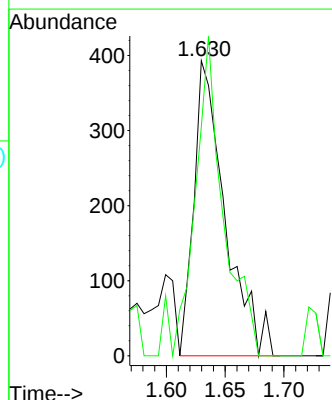
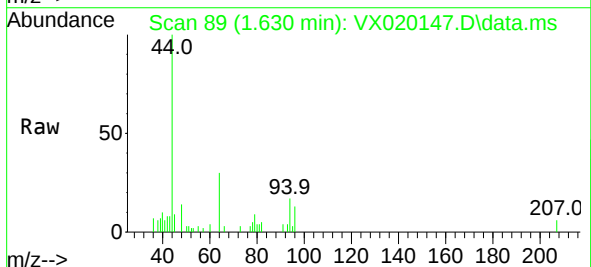
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

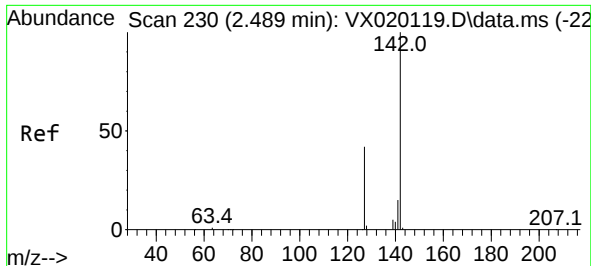
Tgt Ion:168 Resp: 313126
Ion Ratio Lower Upper
168 100
99 58.3 45.8 68.6



#5
Bromomethane
Concen: 0.53 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

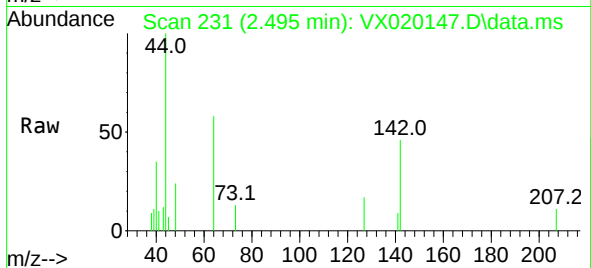
Tgt Ion: 94 Resp: 729
Ion Ratio Lower Upper
94 100
96 77.6 76.4 114.6



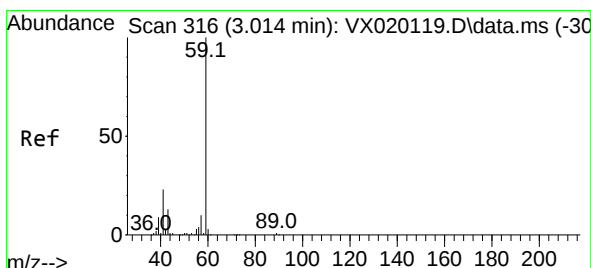
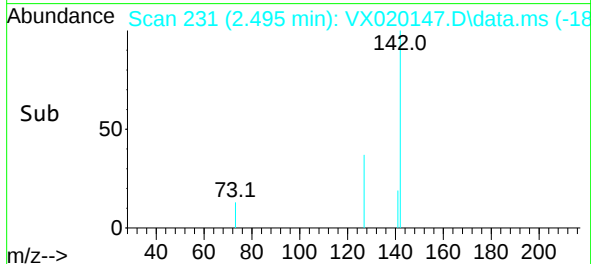
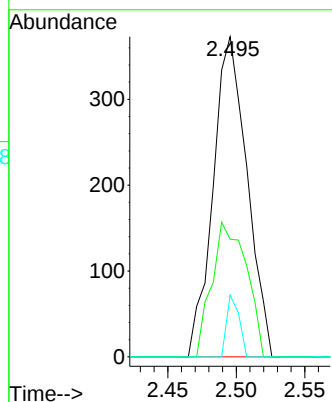


#10
Methyl Iodide
Concen: 3.43 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

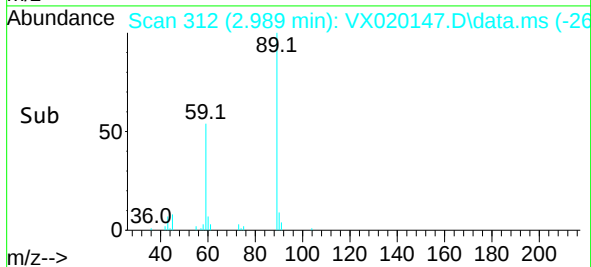
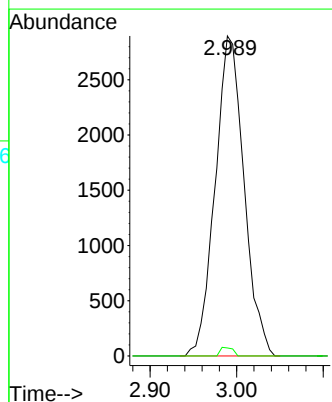
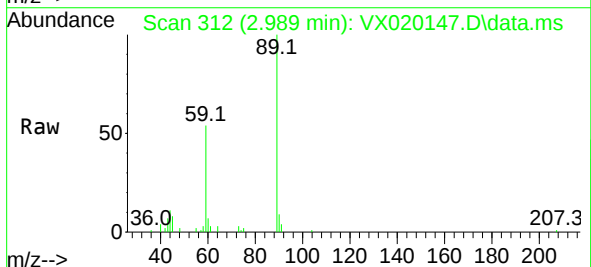


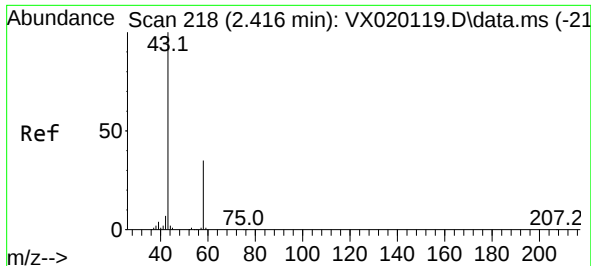
Tgt Ion:142 Resp: 643
Ion Ratio Lower Upper
142 100
127 42.6 33.3 49.9
141 7.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 7.13 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.025 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Tgt Ion: 59 Resp: 6704
Ion Ratio Lower Upper
59 100
57 1.2 7.8 11.8#

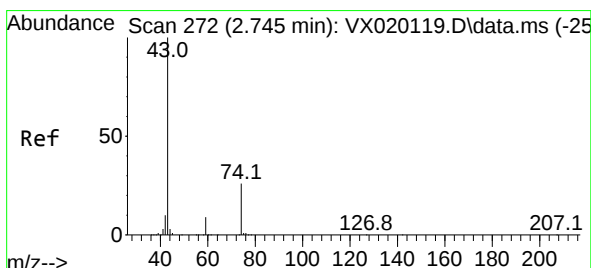
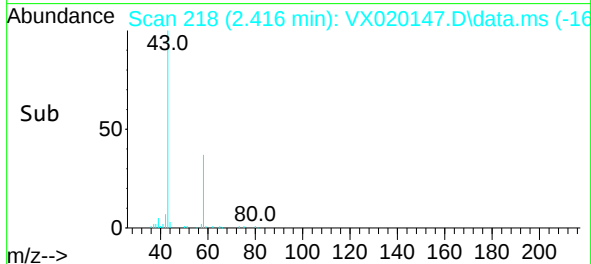
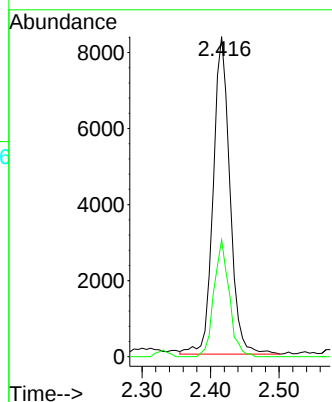
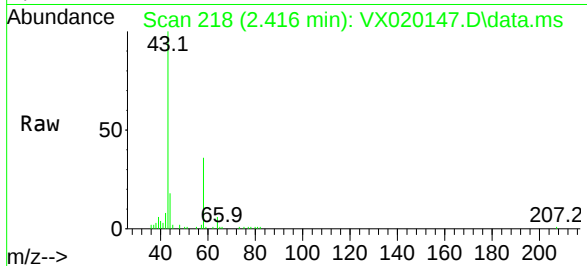




#16
Acetone
Concen: 7.43 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

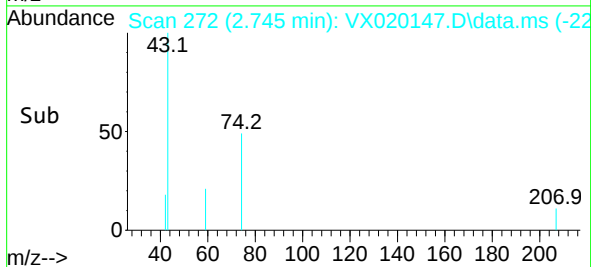
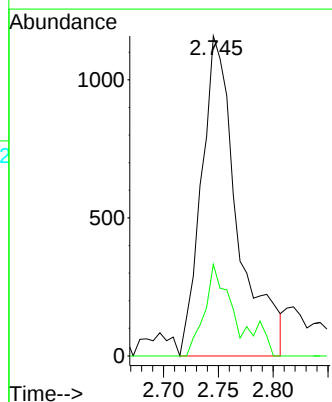
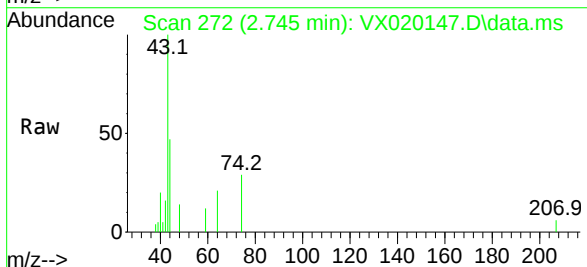
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

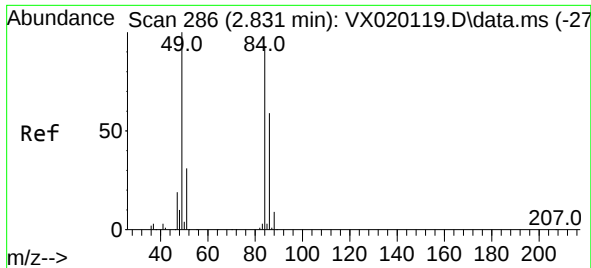
Tgt Ion: 43 Resp: 14215
Ion Ratio Lower Upper
43 100
58 36.8 27.8 41.8



#18
Methyl Acetate
Concen: 0.62 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

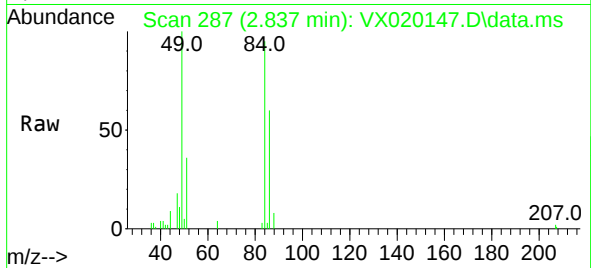
Tgt Ion: 43 Resp: 2647
Ion Ratio Lower Upper
43 100
74 21.8 21.9 32.9#





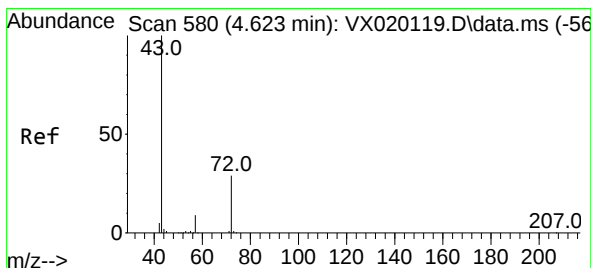
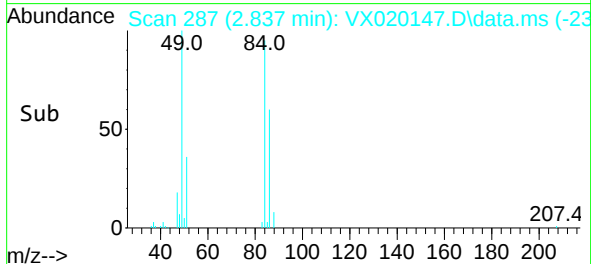
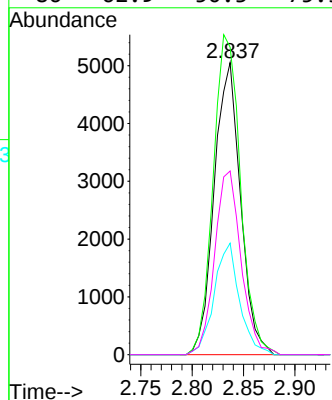
#20
Methylene Chloride
Concen: 2.08 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09



Tgt Ion: 84 Resp: 8982

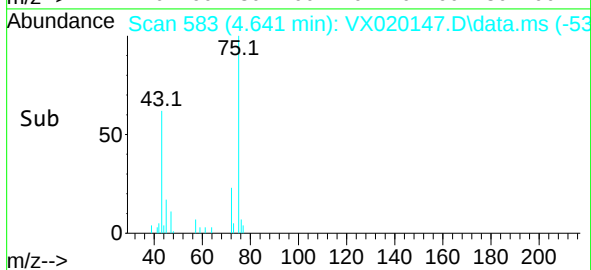
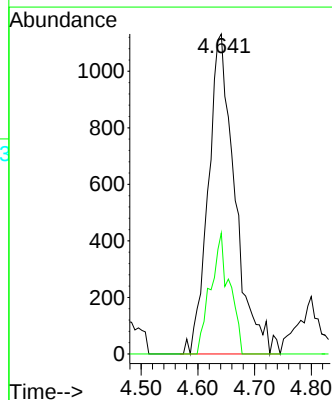
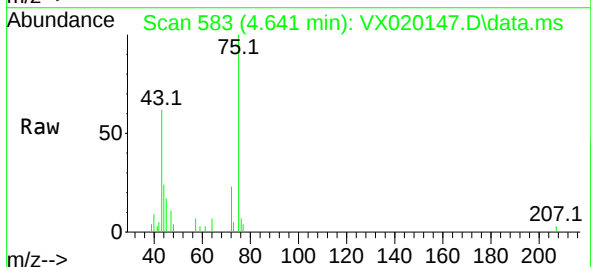
Ion	Ratio	Lower	Upper
84	100		
49	105.3	88.6	132.8
51	38.2	27.0	40.6
86	62.9	50.3	75.5

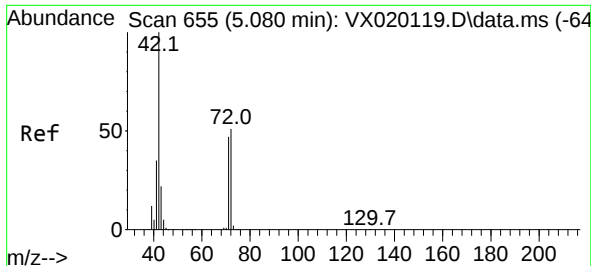


#25
2-Butanone
Concen: 1.33 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.018 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Tgt Ion: 43 Resp: 3704

Ion	Ratio	Lower	Upper
43	100		
72	37.8	23.7	35.5

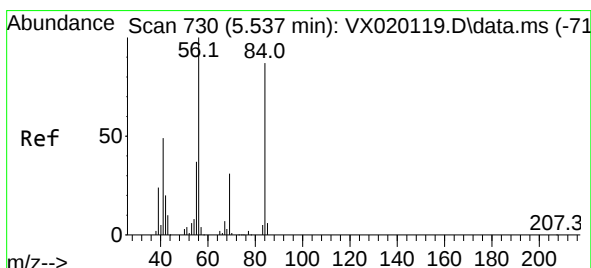
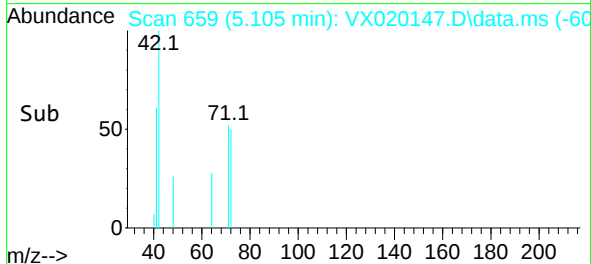
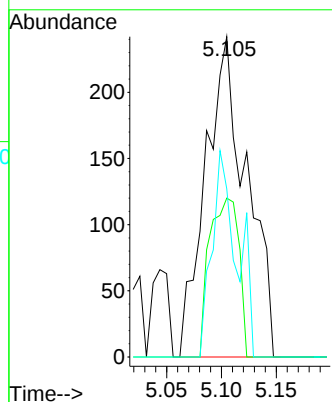
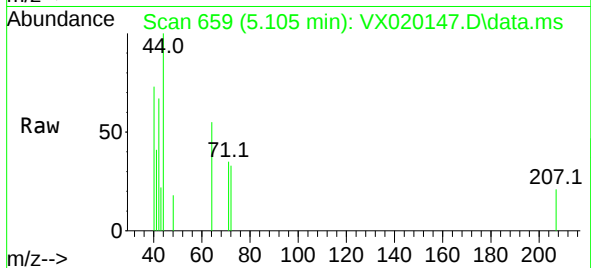




#29
Tetrahydrofuran
Concen: 0.36 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.025 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

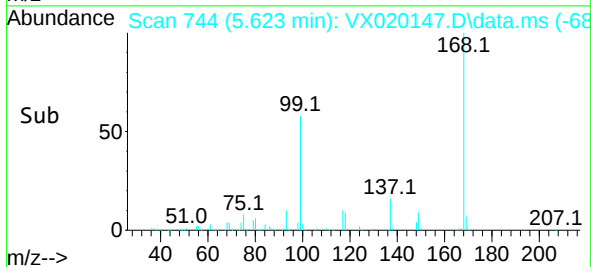
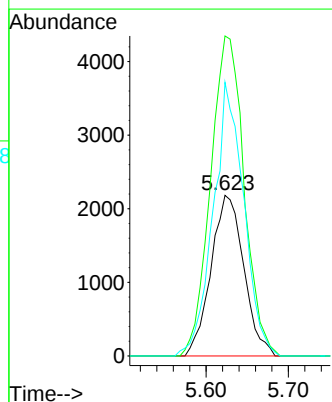
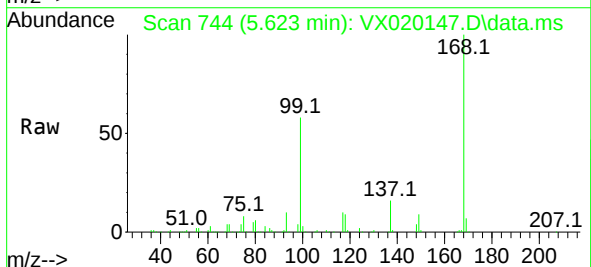
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

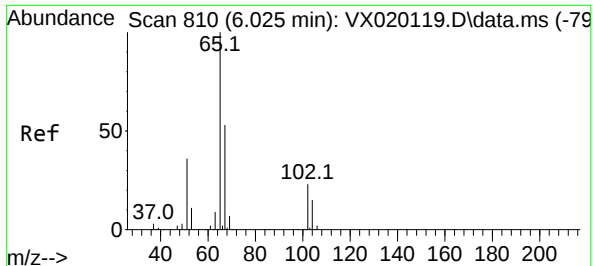
Tgt Ion:	42	Resp:	634
Ion	Ratio	Lower	Upper
42	100		
72	35.2	41.7	62.5#
71	38.5	38.4	57.6



#31
Cyclohexane
Concen: 1.05 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Tgt Ion:	56	Resp:	6058
Ion	Ratio	Lower	Upper
56	100		
69	199.2	25.3	37.9#
84	170.3	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.46 ug/l

RT: 6.025 min Scan# 810

Delta R.T. 0.000 min

Lab File: VX020147.D

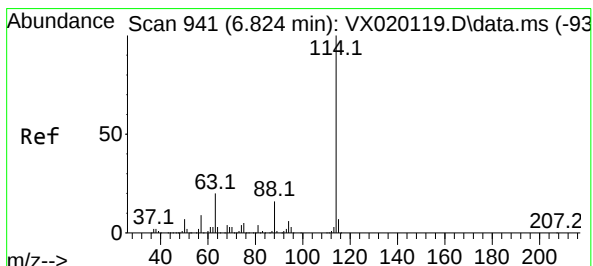
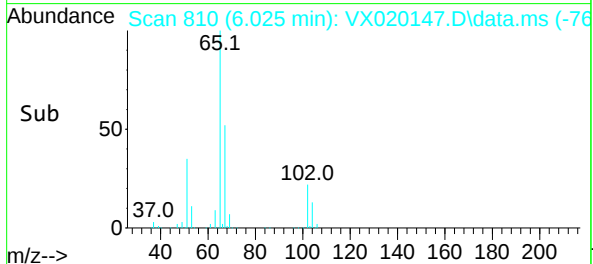
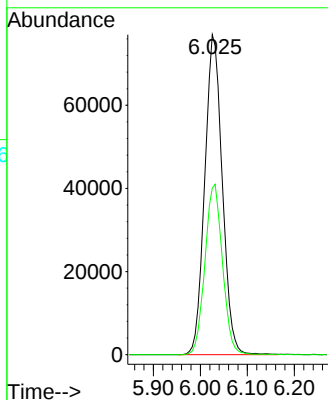
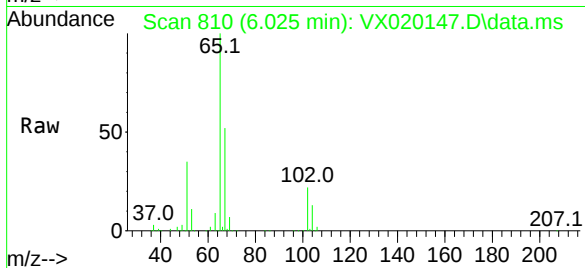
Acq: 19 Dec 2020 04:18

Tgt Ion: 65 Resp: 199215

Ion Ratio Lower Upper

65 100

67 53.3 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: VX020147.D

Acq: 19 Dec 2020 04:18

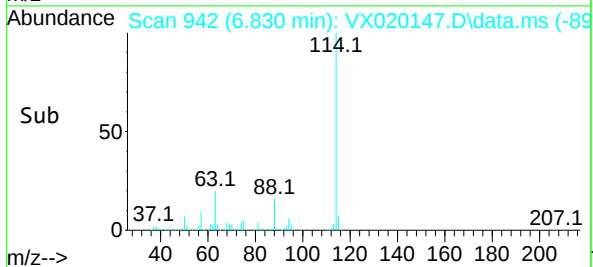
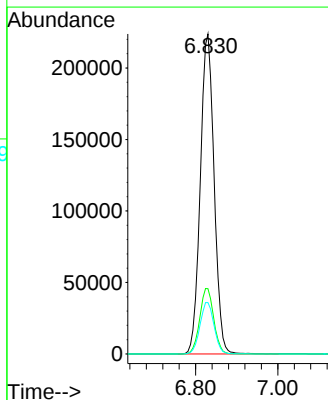
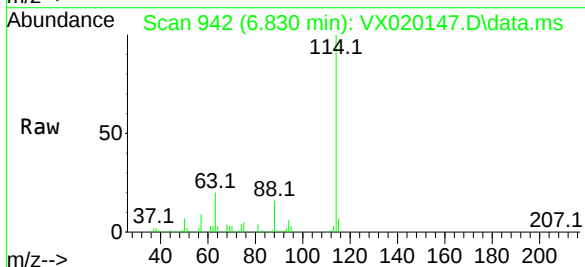
Tgt Ion: 114 Resp: 521832

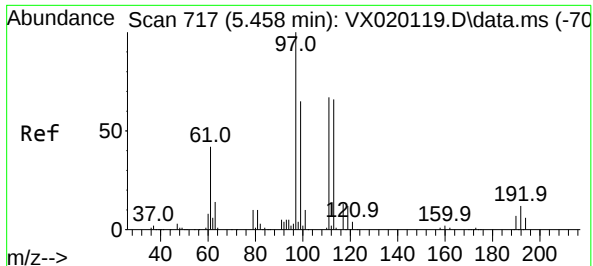
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 16.1 0.0 32.8

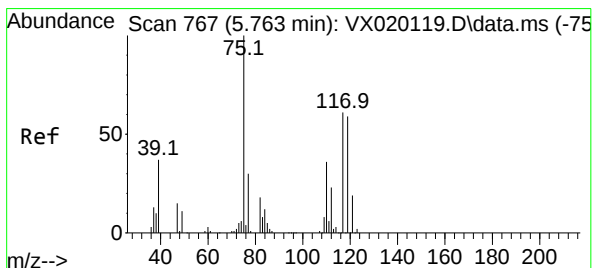
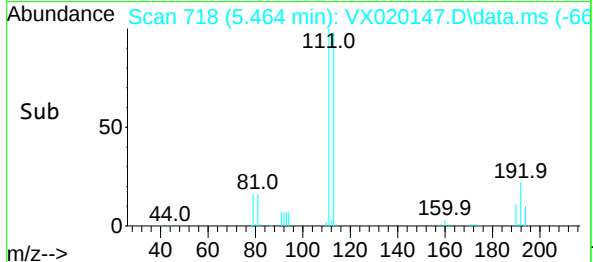
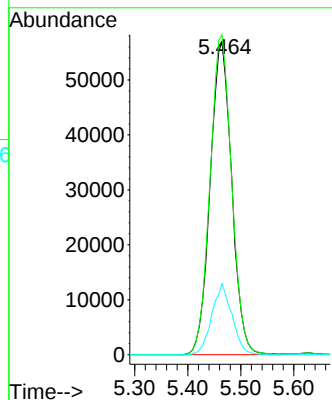
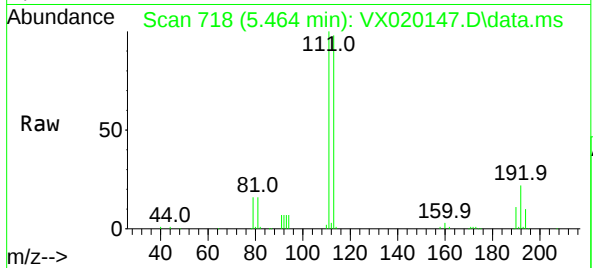




#35
Dibromofluoromethane
Concen: 48.02 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

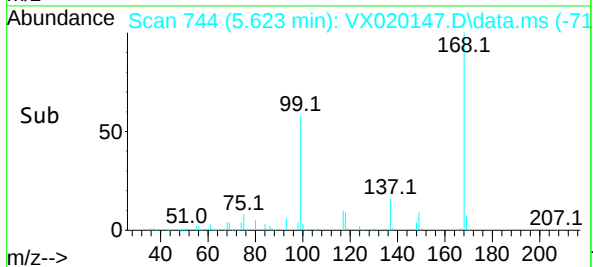
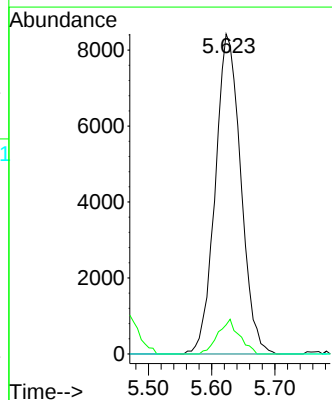
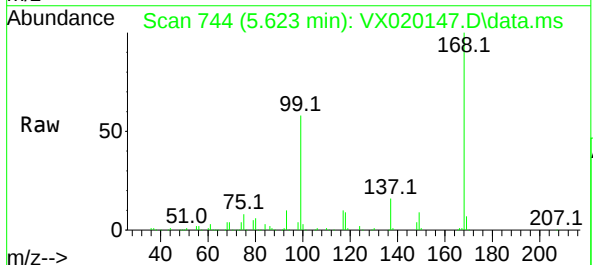
Instrument :
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PB133677ZHE#09

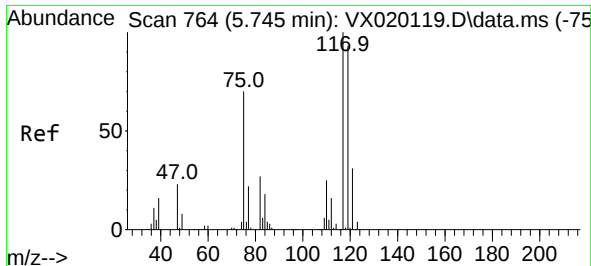
Tgt Ion:113 Resp: 160300
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 21.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.58 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

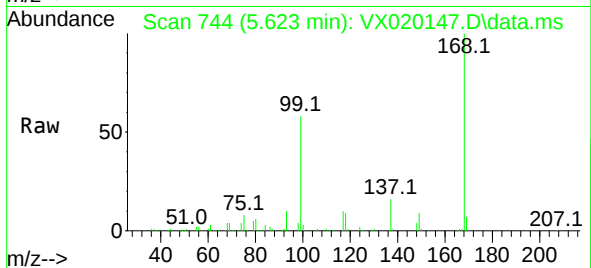
Tgt Ion: 75 Resp: 23595
Ion Ratio Lower Upper
75 100
110 9.1 18.1 54.4#
77 0.0 25.3 37.9#



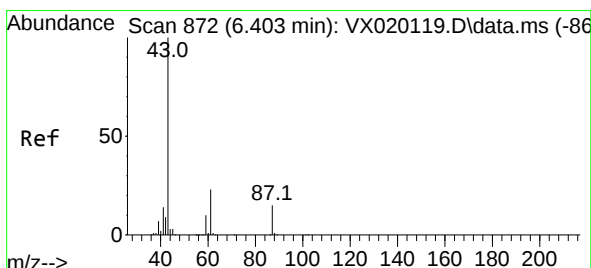
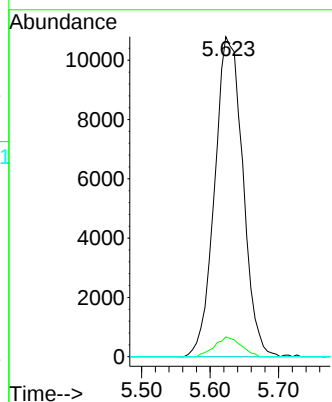
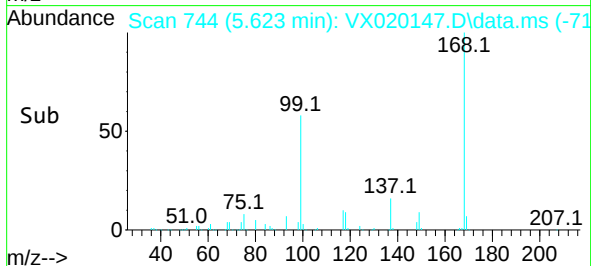


#38
Carbon Tetrachloride
Concen: 6.27 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

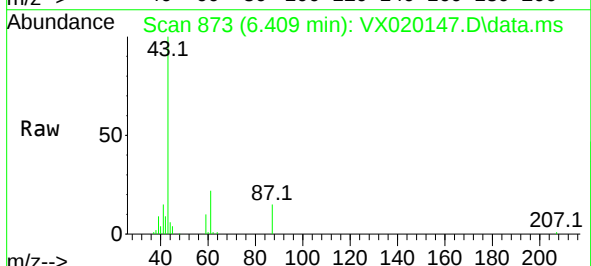
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09



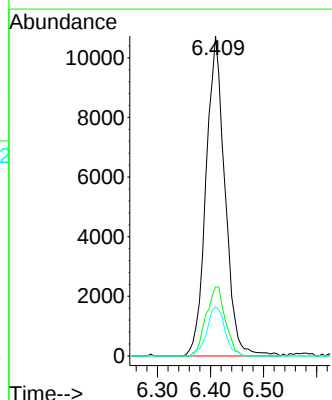
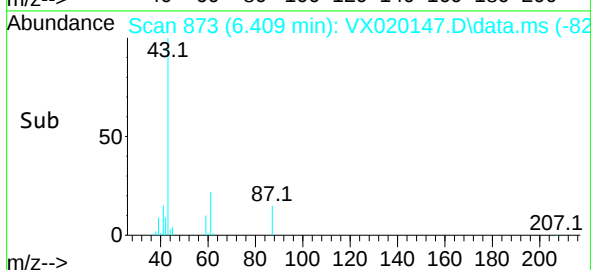
Tgt Ion:117 Resp: 30758
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

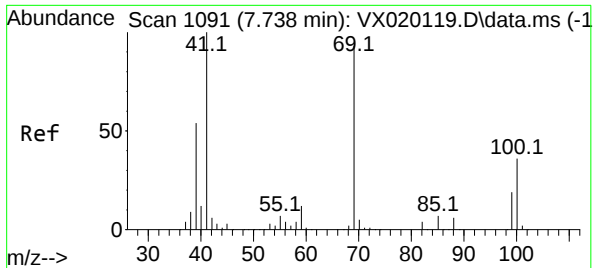


#43
Isopropyl Acetate
Concen: 3.15 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.006 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18



Tgt Ion: 43 Resp: 26613
Ion Ratio Lower Upper
43 100
61 21.9 18.2 27.4
87 14.6 12.5 18.7

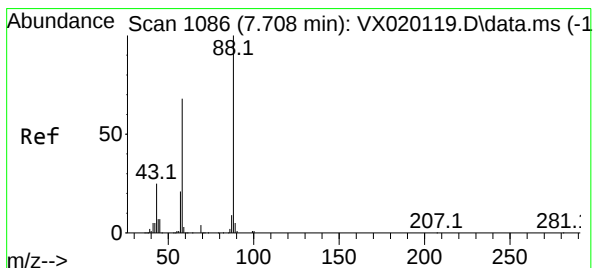
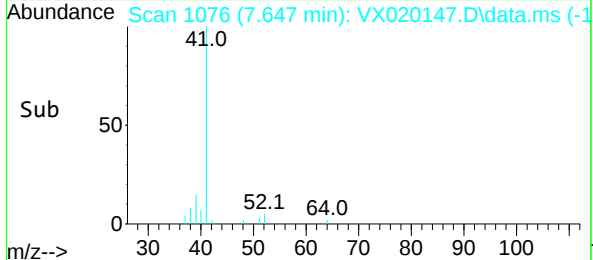
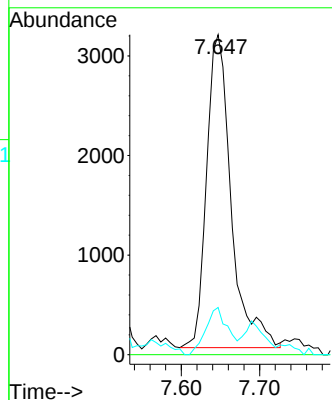
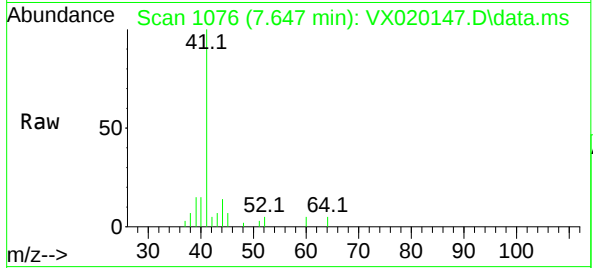




#48
Methyl methacrylate
Concen: 1.65 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.091 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

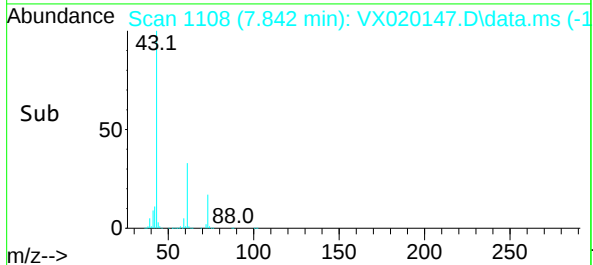
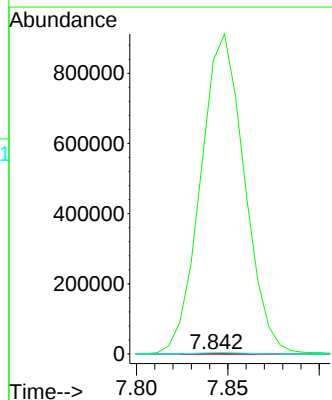
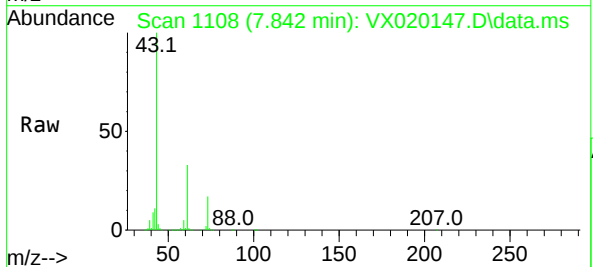
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

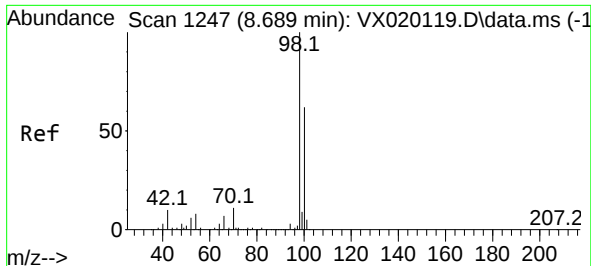
Tgt Ion: 41 Resp: 6846
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.40 ug/l
RT: 7.842 min Scan# 1108
Delta R.T. 0.134 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Tgt Ion: 88 Resp: 330
Ion Ratio Lower Upper
88 100
43 463986.7 23.2 34.8#
58 2309.7 55.0 82.4#

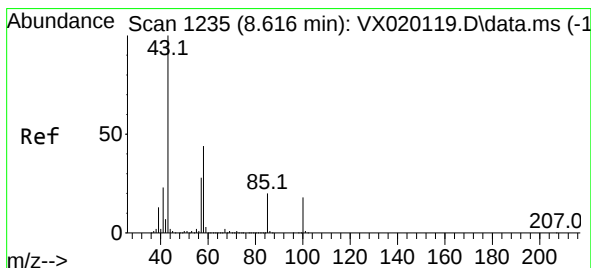
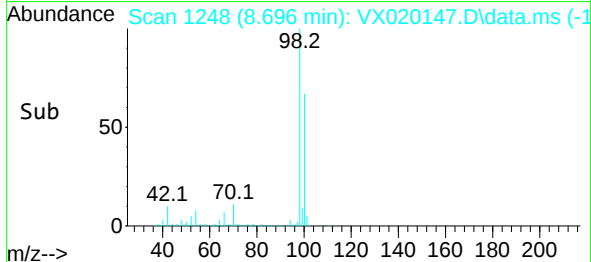
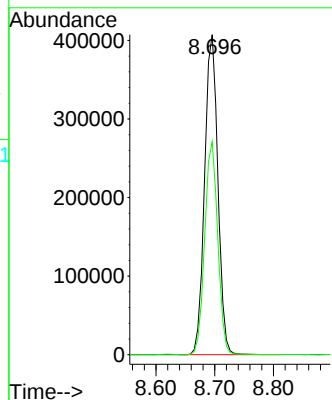
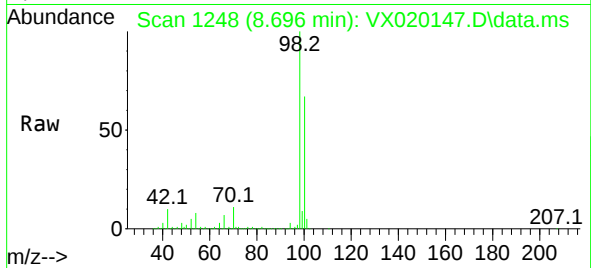




#50
Toluene-d8
Concen: 49.81 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

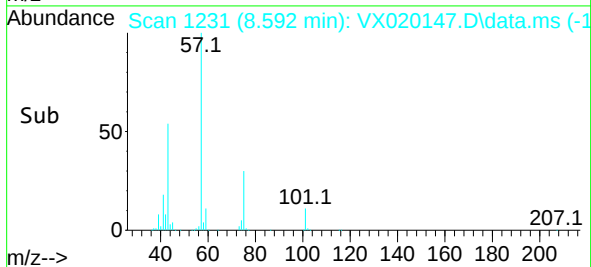
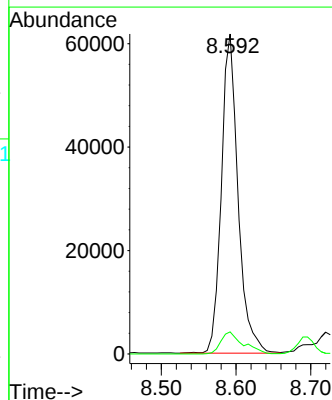
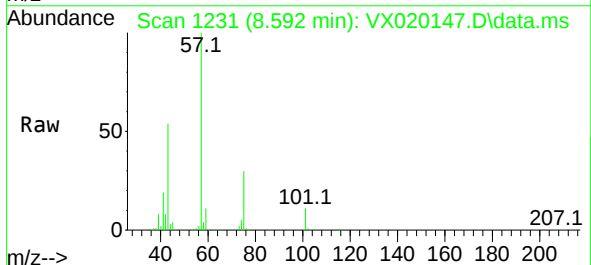
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

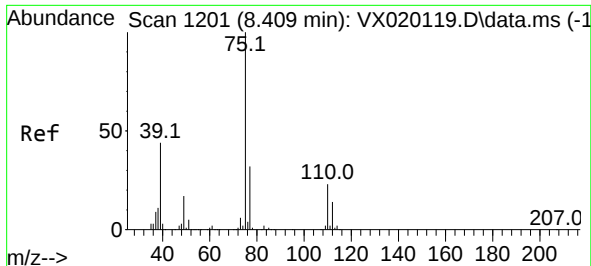
Tgt Ion: 98 Resp: 640049
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 18.31 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

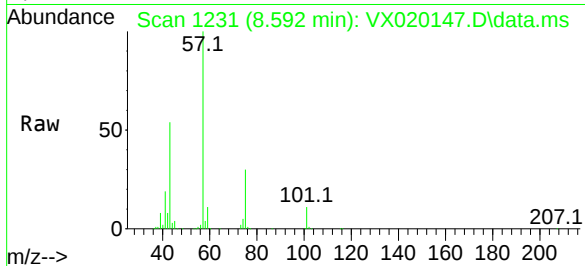
Tgt Ion: 43 Resp: 95905
Ion Ratio Lower Upper
43 100
58 9.2 35.4 53.0#



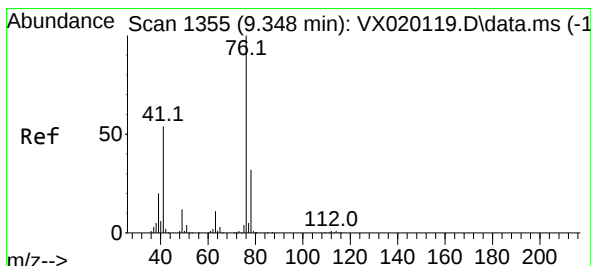
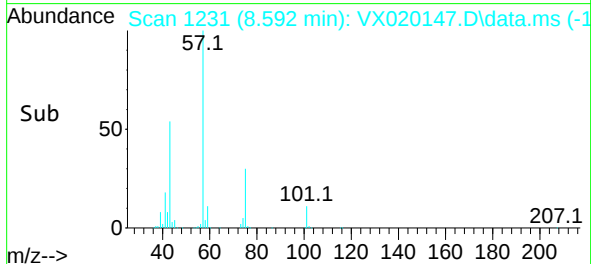
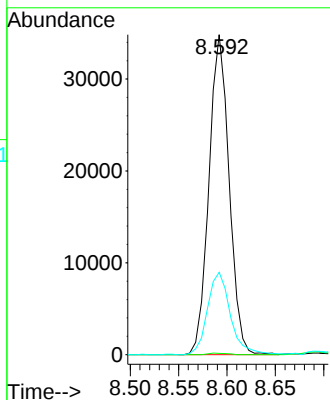


#54
cis-1,3-Dichloropropene
Concen: 7.92 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.183 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

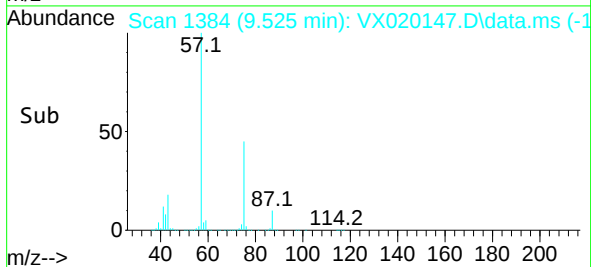
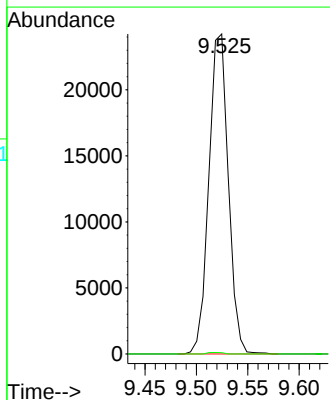
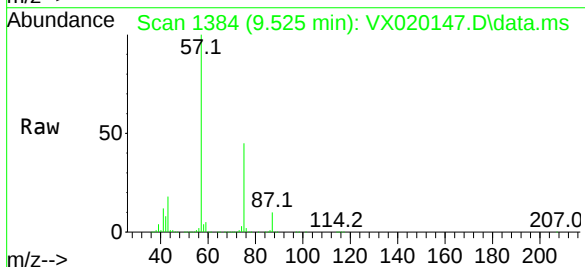


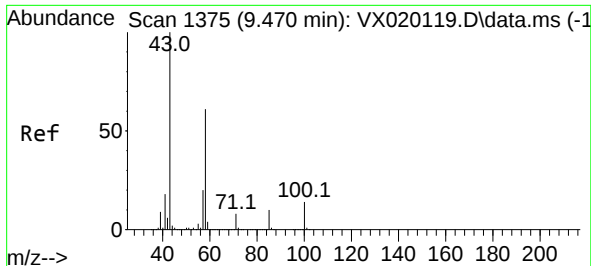
Tgt Ion: 75 Resp: 50610
Ion Ratio Lower Upper
75 100
77 0.4 25.7 38.5#
39 25.7 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 4.63 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.177 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Tgt Ion: 76 Resp: 31862
Ion Ratio Lower Upper
76 100
78 0.4 26.2 39.2#

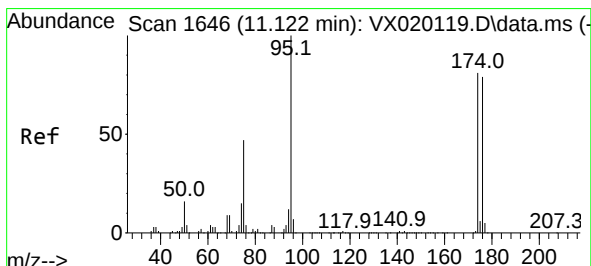
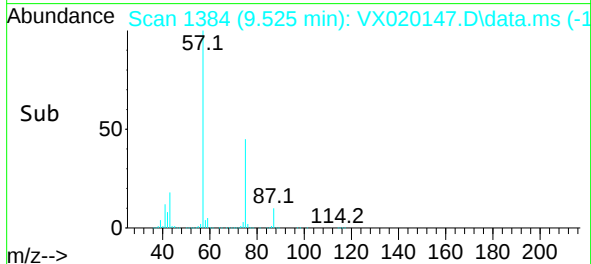
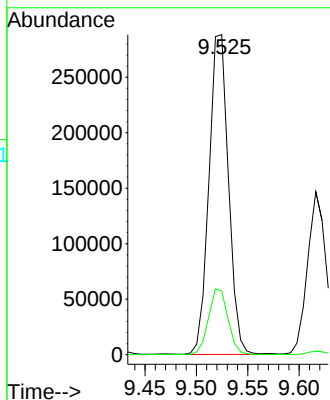
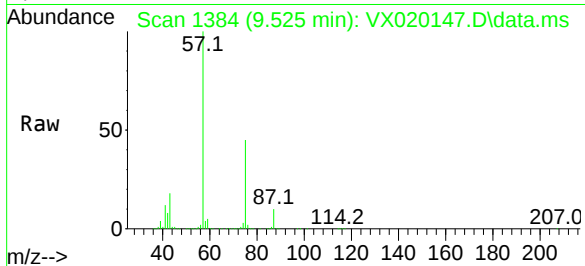




#59
2-Hexanone
Concen: 95.53 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

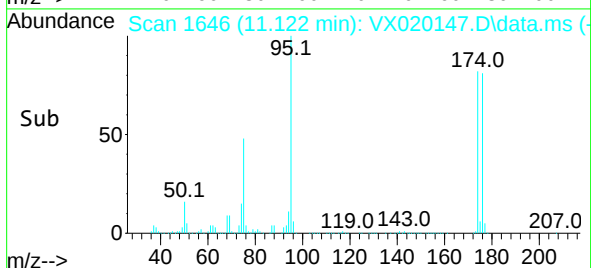
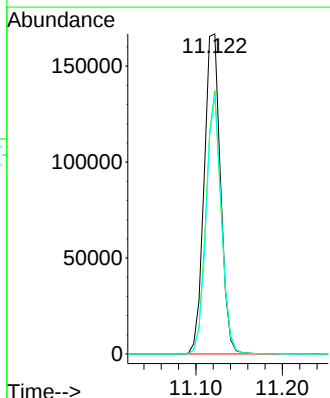
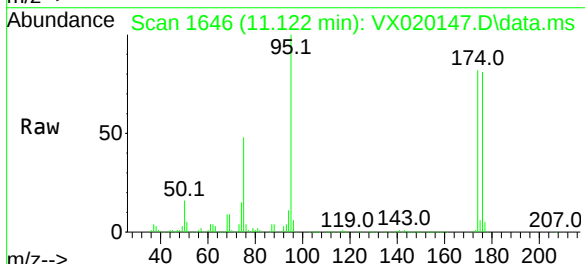
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

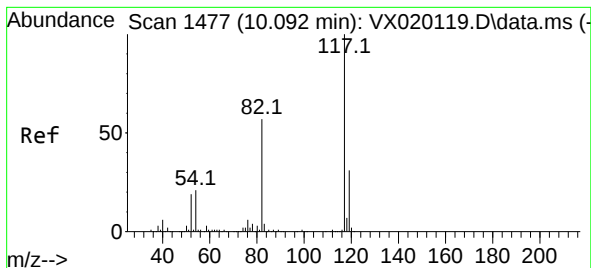
Tgt Ion: 43 Resp: 381344
Ion Ratio Lower Upper
43 100
58 20.5 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 44.48 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Tgt Ion: 95 Resp: 218729
Ion Ratio Lower Upper
95 100
174 76.6 0.0 154.6
176 74.9 0.0 155.8

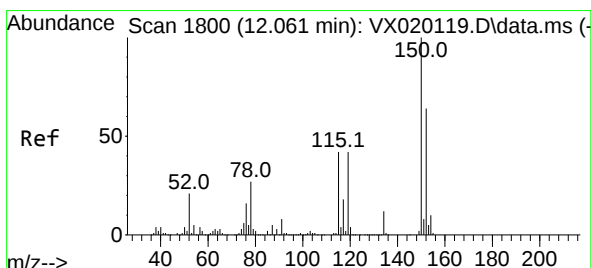
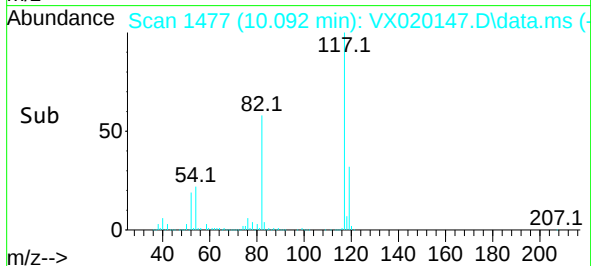
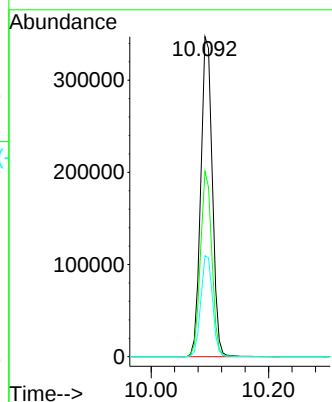
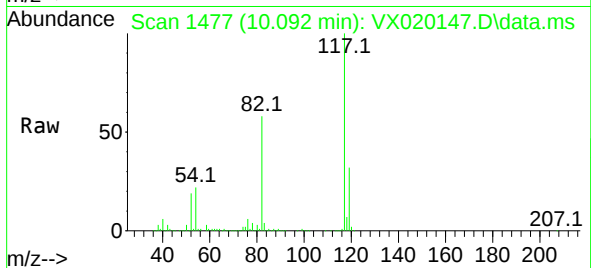




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

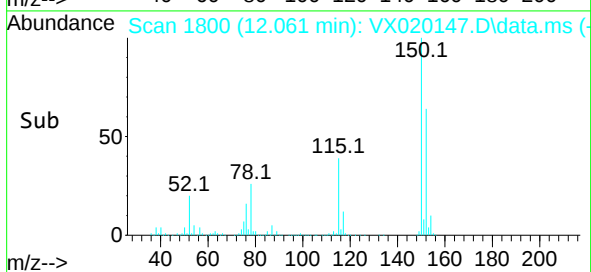
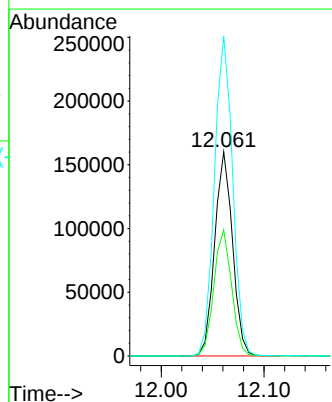
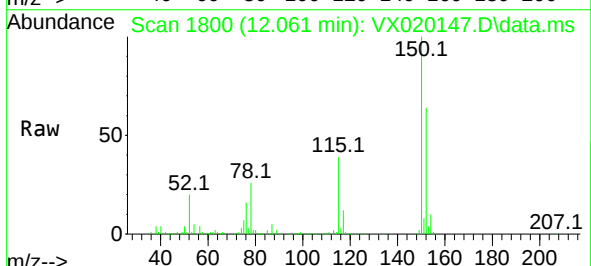
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

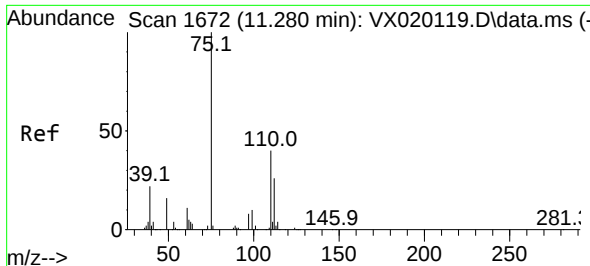
Tgt Ion:117 Resp: 475217
Ion Ratio Lower Upper
117 100
82 57.9 47.4 71.2
119 31.6 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

Tgt Ion:152 Resp: 192967
Ion Ratio Lower Upper
152 100
115 61.5 41.1 123.3
150 159.5 0.0 349.0

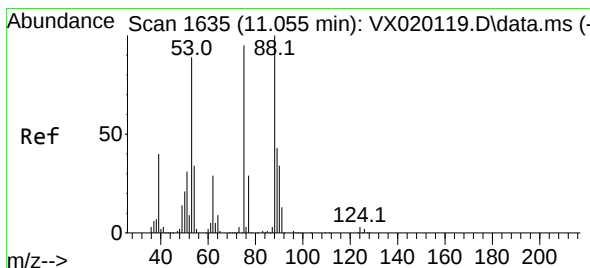
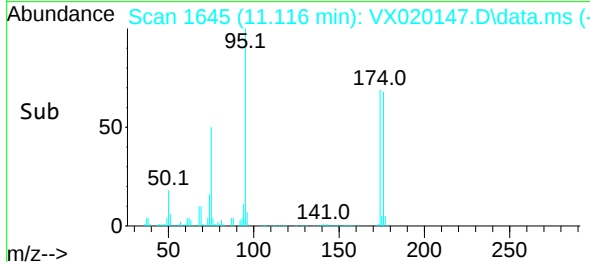
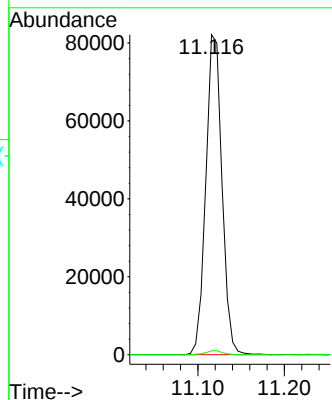
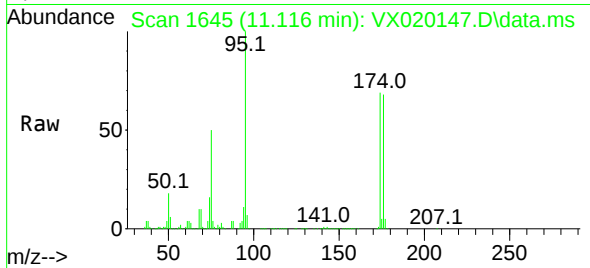




#76
1,2,3-Trichloropropane
Concen: 22.39 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

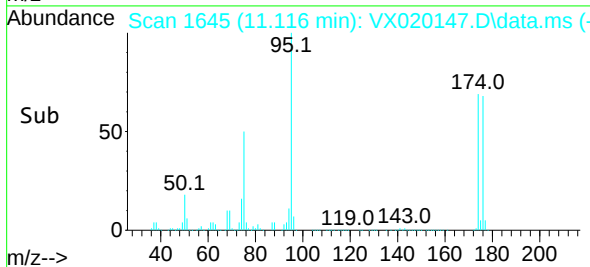
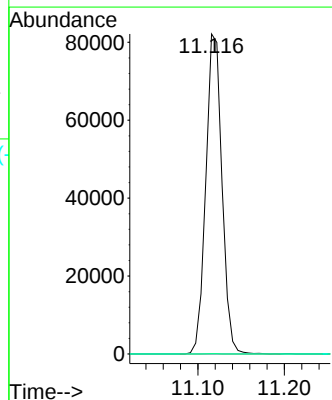
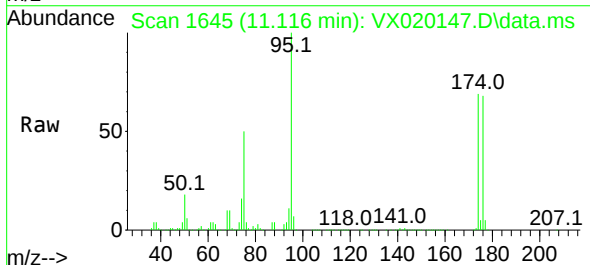
Instrument :
MSVOA_X
ClientSampleId :
PB133677ZHE#09

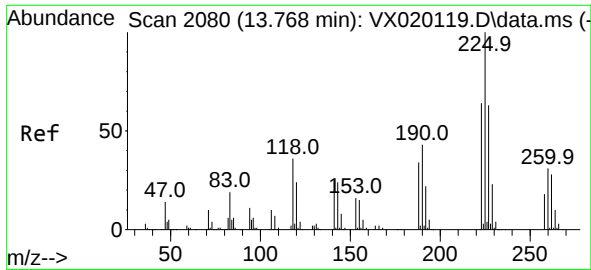
Tgt Ion: 75 Resp: 106441
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.44 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020147.D
Acq: 19 Dec 2020 04:18

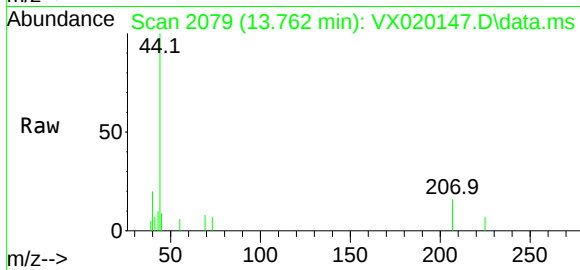
Tgt Ion: 75 Resp: 106441
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
 Hexachlorobutadiene
 Concen: 2.66 ug/l
 RT: 13.762 min Scan# 2079
 Delta R.T. -0.006 min
 Lab File: VX020147.D
 Acq: 19 Dec 2020 04:18

Instrument :
 MSVOA_X
 ClientSampleId :
 PB133677ZHE#09



Tgt Ion:225 Resp: 24
 Ion Ratio Lower Upper
 225 100
 223 0.0 31.1 93.2#
 227 0.0 31.6 95.0#

