

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122220\
 Data File : VX020297.D
 Acq On : 22 Dec 2020 12:46
 Operator : JC/MD
 Sample : L5146-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-PZ003(DOB)-121620

Quant Time: Dec 23 00:29:26 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)

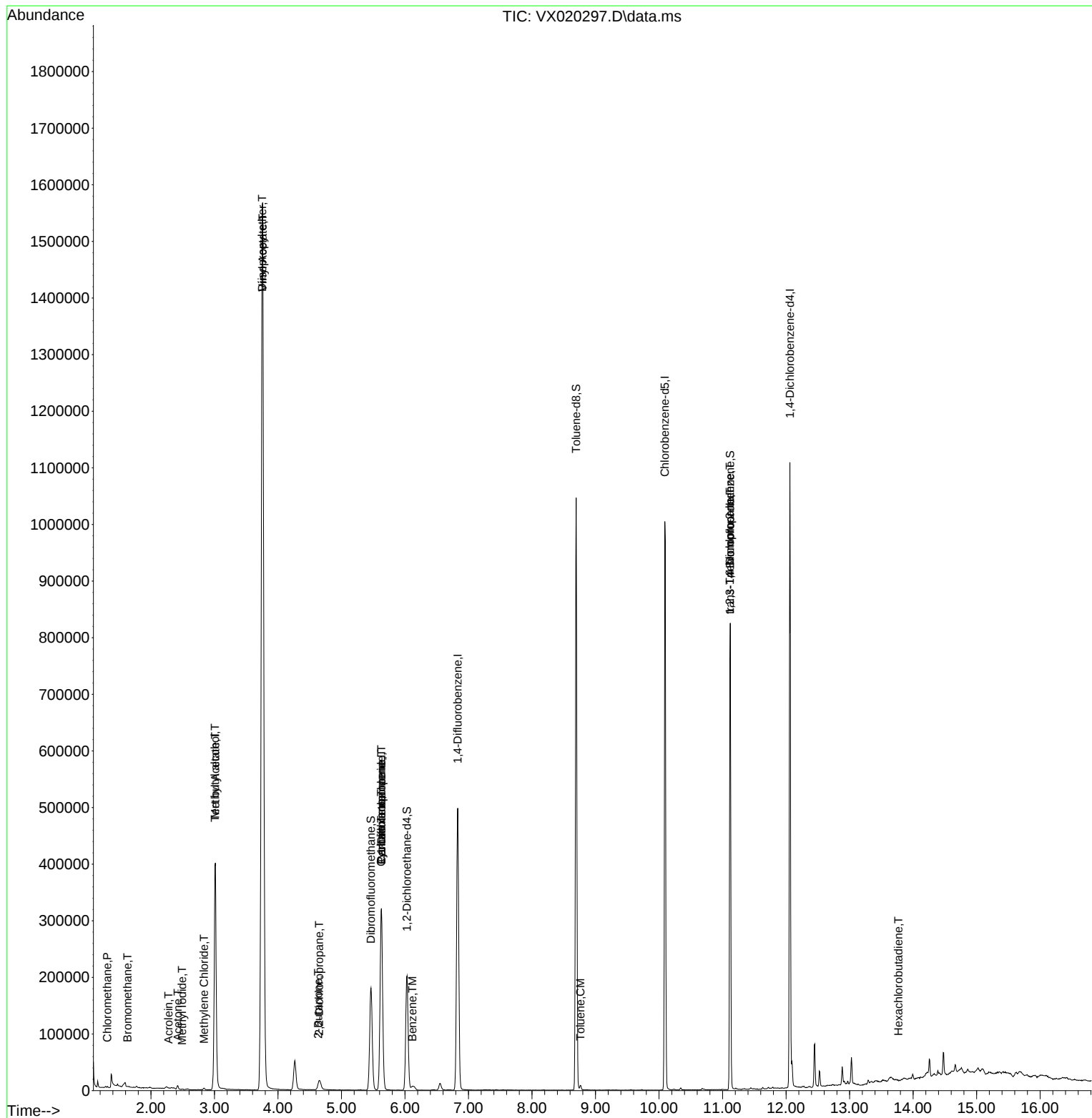
Internal Standards						
1) Pentafluorobenzene	5.629	168	309158	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	509959	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	470141	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	215222	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	195288	47.12	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.24%		
35) Dibromofluoromethane	5.464	113	158423	48.56	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.12%		
50) Toluene-d8	8.695	98	609724	48.56	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.12%		
62) 4-Bromofluorobenzene	11.122	95	228660	47.58	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	95.16%		
Target Compounds					Qvalue	
3) Chloromethane	1.313	50	951	0.24	ug/l	97
5) Bromomethane	1.630	94	563	0.41	ug/l	94
10) Methyl Iodide	2.489	142	976	3.51	ug/l	96
11) Tert butyl alcohol	3.007	59	41232	44.43	ug/l #	79
13) Acrolein	2.276	56	304	0.52	ug/l #	14
16) Acetone	2.422	43	7235	3.83	ug/l	97
18) Methyl Acetate	3.014	43	152579	36.20	ug/l #	49
20) Methylene Chloride	2.837	84	1399	0.33	ug/l #	95
22) Diisopropyl ether	3.751	45	51760	4.52	ug/l #	1
23) Vinyl Acetate	3.757	43	4218	0.43	ug/l #	68
25) 2-Butanone	4.635	43	1674	0.61	ug/l #	85
26) 2,2-Dichloropropane	4.647	77	1478	0.27	ug/l #	52
31) Cyclohexane	5.623	56	6257	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	24425	4.85	ug/l #	48
38) Carbon Tetrachloride	5.629	117	30440	6.35	ug/l #	16
40) Benzene	6.117	78	6113	0.39	ug/l	92
52) Toluene	8.763	92	2783	0.29	ug/l	93
76) 1,2,3-Trichloropropane	11.116	75	112107	21.15	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	112107	62.74	ug/l #	12
94) Hexachlorobutadiene	13.768	225	50	2.67	ug/l #	44

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

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MSVOA_X
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49-PZ003(DOB)-121620

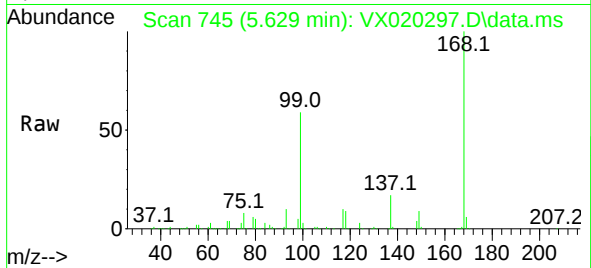
Quant Time: Dec 23 00:29:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121820W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 18 13:09:49 2020
Response via : Initial Calibration



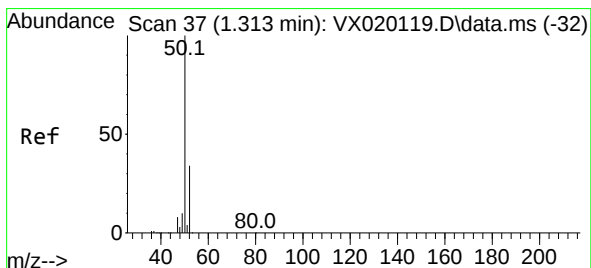
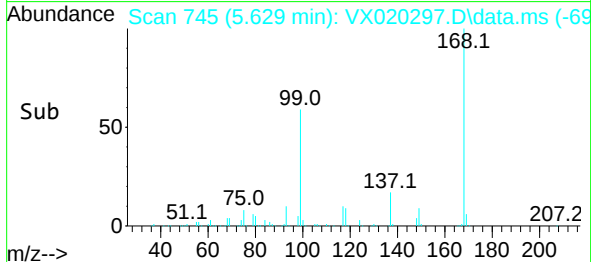
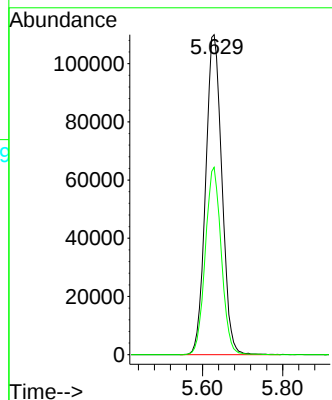


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

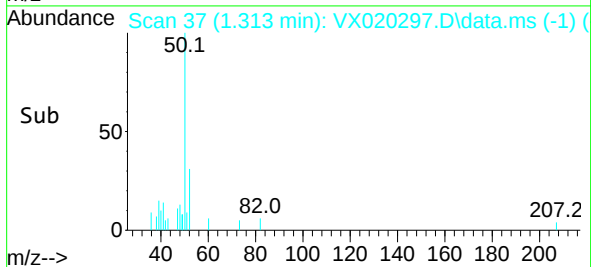
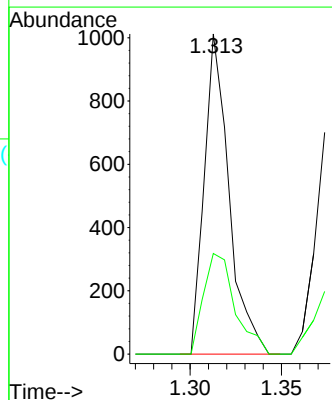
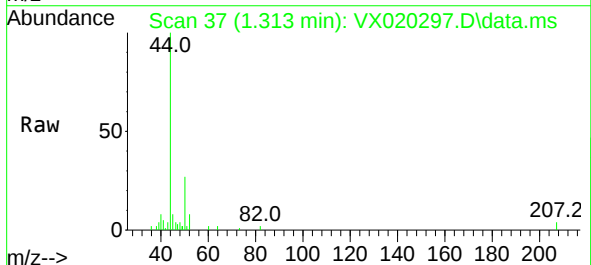


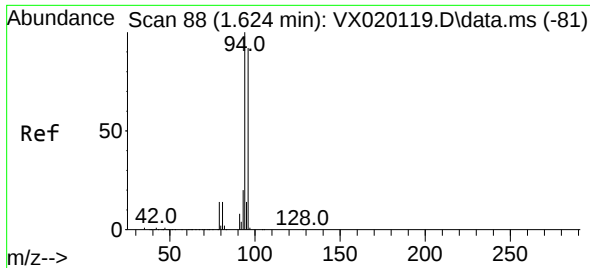
Tgt Ion:168 Resp: 309158
Ion Ratio Lower Upper
168 100
99 58.5 45.8 68.6



#3
Chloromethane
Concen: 0.24 ug/l
RT: 1.313 min Scan# 37
Delta R.T. -0.000 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion: 50 Resp: 951
Ion Ratio Lower Upper
50 100
52 31.4 26.4 39.6

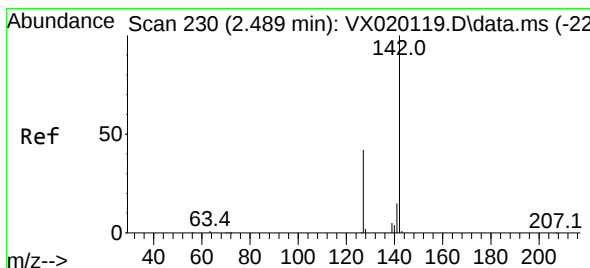
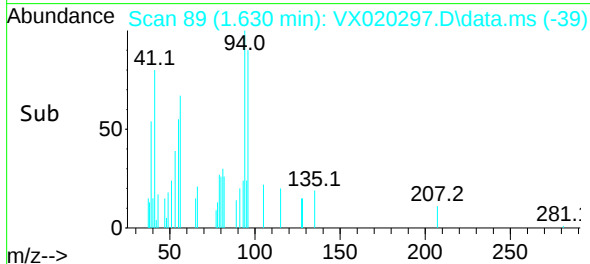
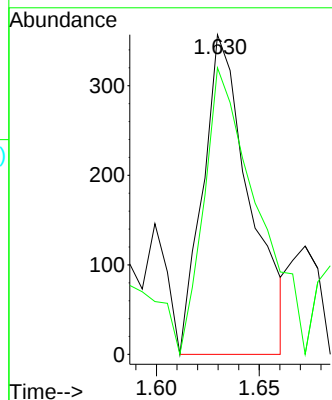
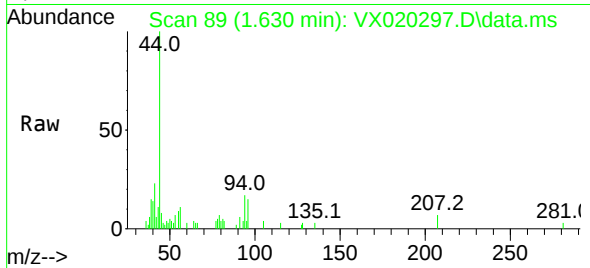




#5
Bromomethane
Concen: 0.41 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

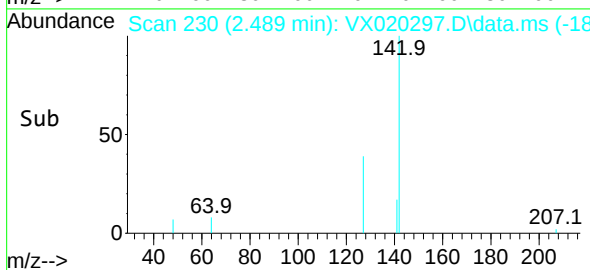
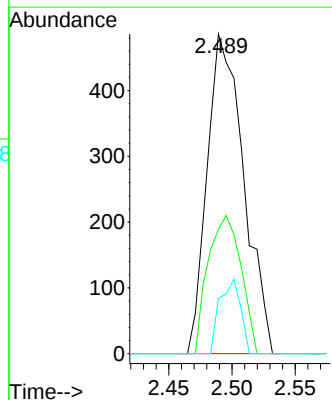
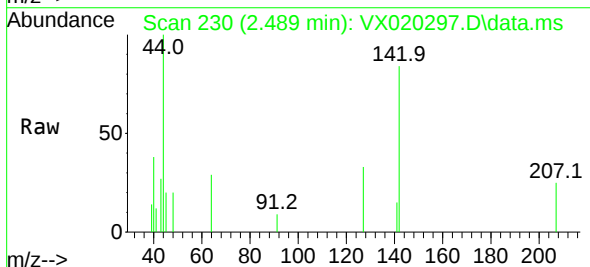
Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

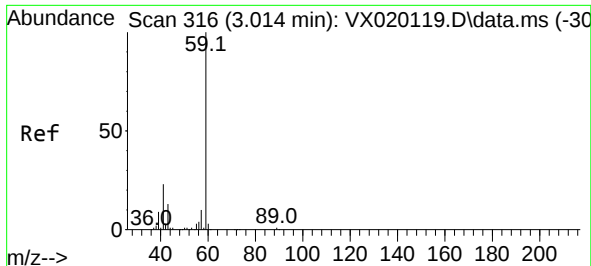
Tgt Ion: 94 Resp: 563
Ion Ratio Lower Upper
94 100
96 89.6 76.4 114.6



#10
Methyl Iodide
Concen: 3.51 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion: 142 Resp: 976
Ion Ratio Lower Upper
142 100
127 38.8 33.3 49.9
141 13.2 11.4 17.0



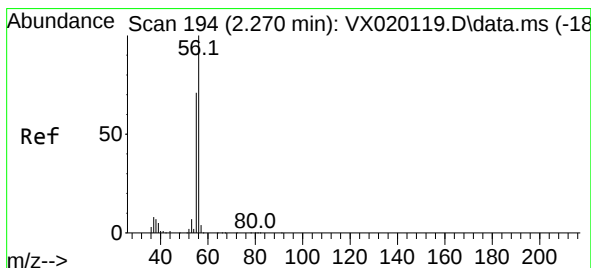
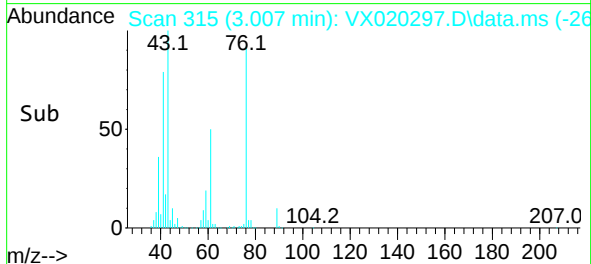
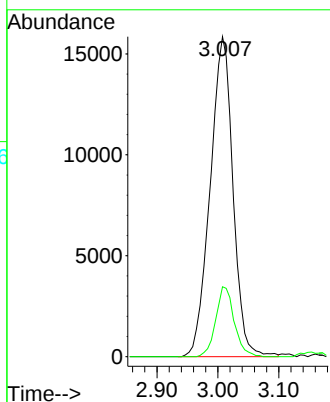
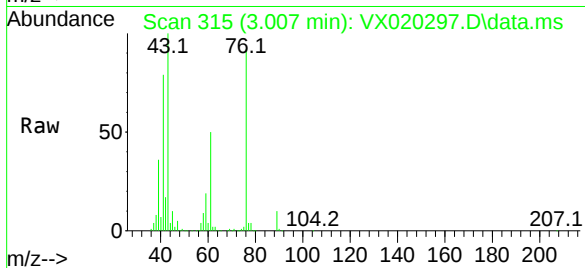


#11

Tert butyl alcohol
Concen: 44.43 ug/l
RT: 3.007 min Scan# 315
Delta R.T. -0.007 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

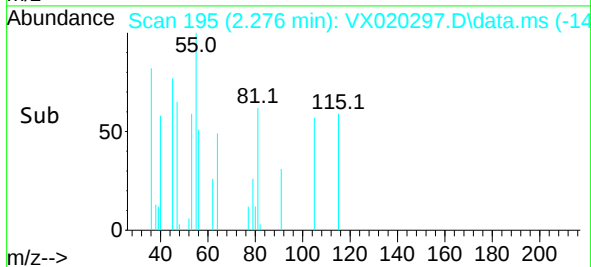
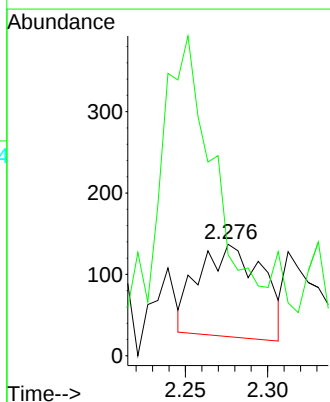
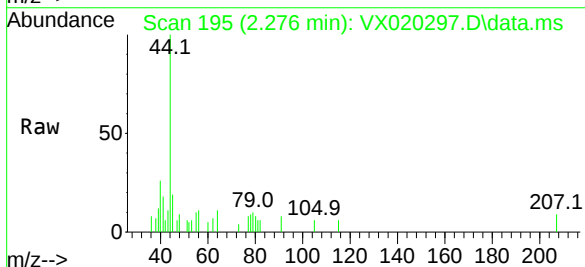
Tgt Ion: 59 Resp: 41232
Ion Ratio Lower Upper
59 100
57 17.7 7.8 11.8#



#13

Acrolein
Concen: 0.52 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion: 56 Resp: 304
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

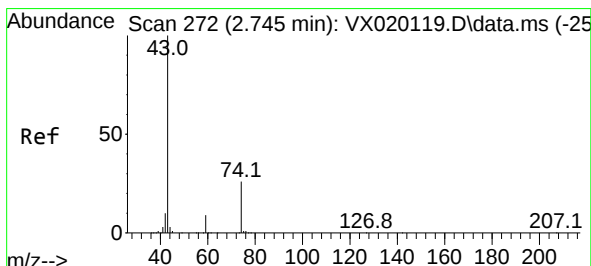
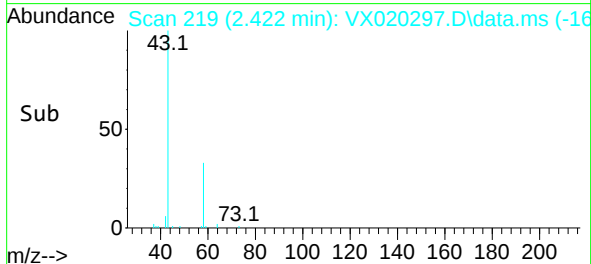
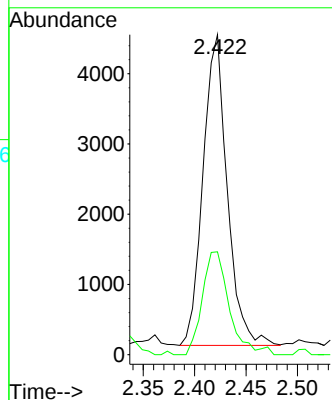
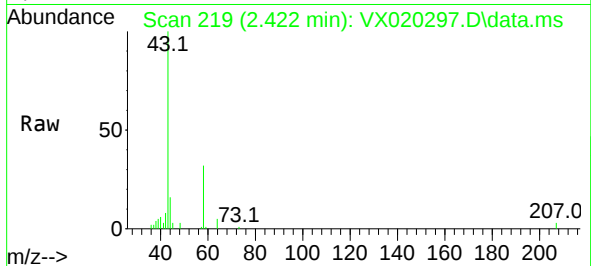




#16
Acetone
Concen: 3.83 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.006 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

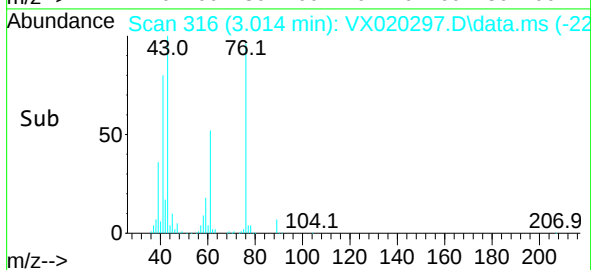
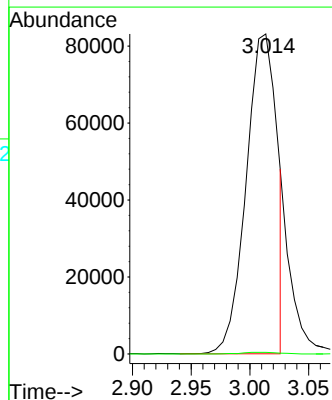
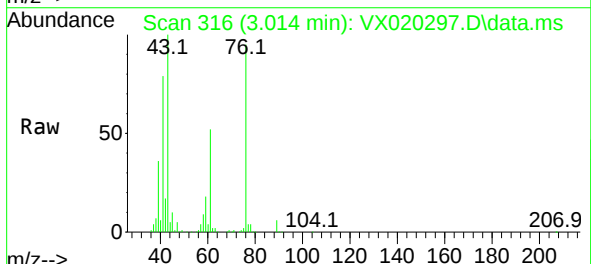
Instrument :
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ClientSampleId :
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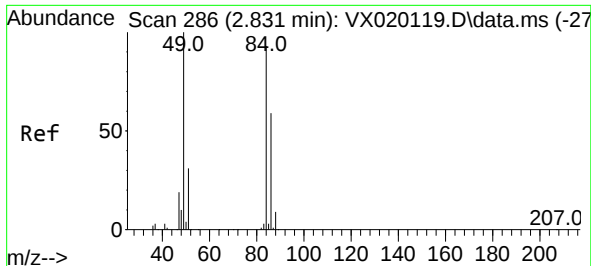
Tgt Ion: 43 Resp: 7235
Ion Ratio Lower Upper
43 100
58 33.1 27.8 41.8



#18
Methyl Acetate
Concen: 36.20 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.269 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

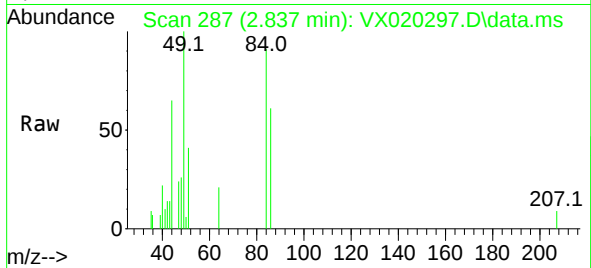
Tgt Ion: 43 Resp: 152579
Ion Ratio Lower Upper
43 100
74 0.6 21.9 32.9#



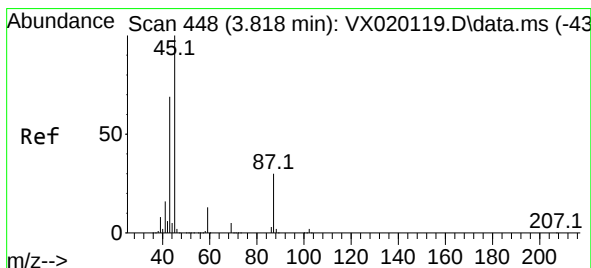
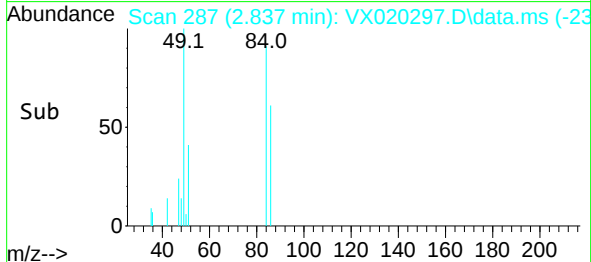
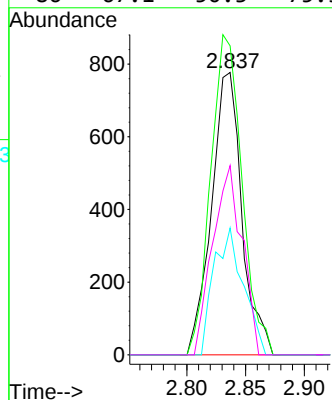


#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

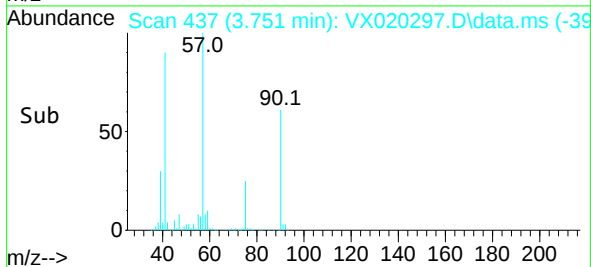
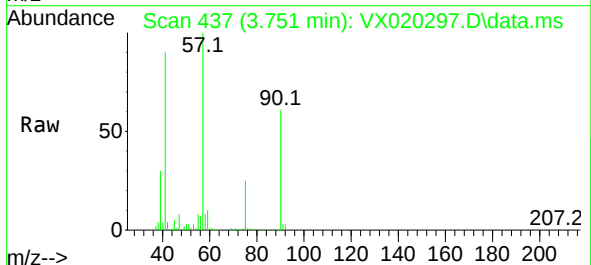
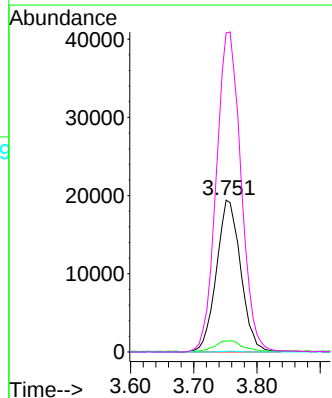


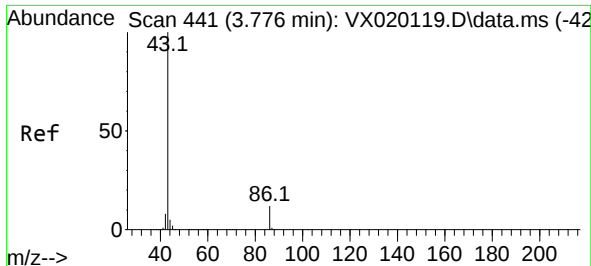
Tgt Ion:	84	Resp:	1399
Ion	Ratio	Lower	Upper
84	100		
49	109.4	88.6	132.8
51	44.9	27.0	40.6#
86	67.1	50.3	75.5



#22
Diisopropyl ether
Concen: 4.52 ug/l
RT: 3.751 min Scan# 437
Delta R.T. -0.067 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion:	45	Resp:	51760
Ion	Ratio	Lower	Upper
45	100		
43	6.9	58.0	87.0#
87	0.5	25.4	38.0#
59	210.2	10.2	15.2#

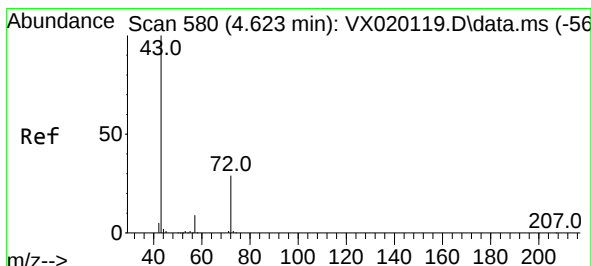
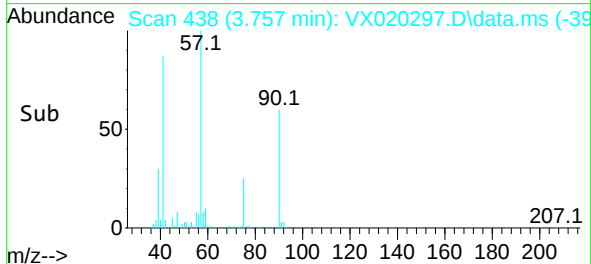
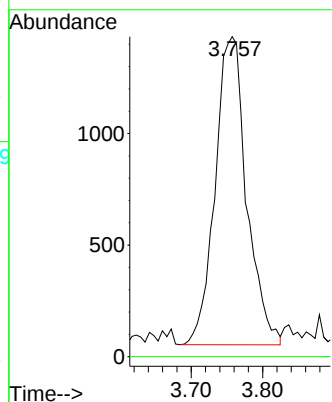
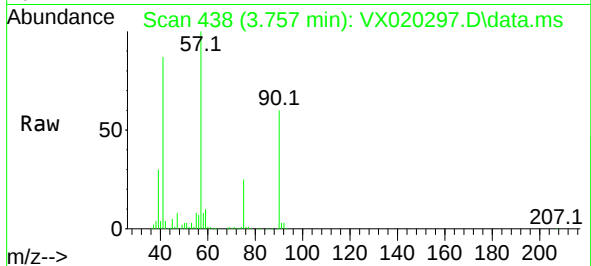




#23
 Vinyl Acetate
 Concen: 0.43 ug/l
 RT: 3.757 min Scan# 438
 Delta R.T. -0.019 min
 Lab File: VX020297.D
 Acq: 22 Dec 2020 12:46

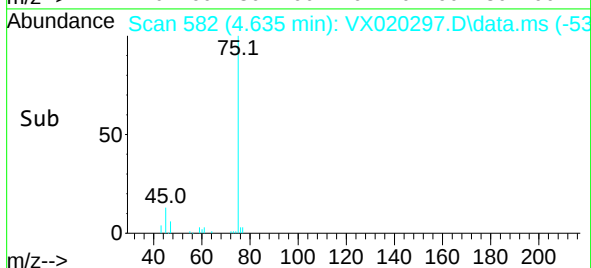
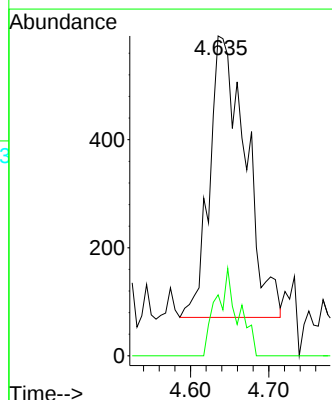
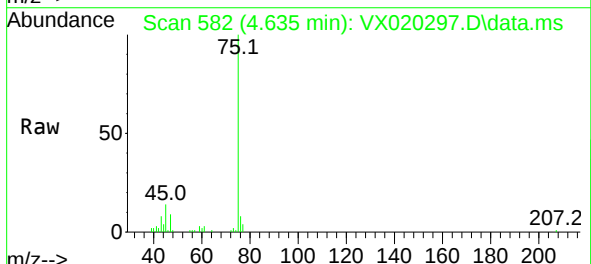
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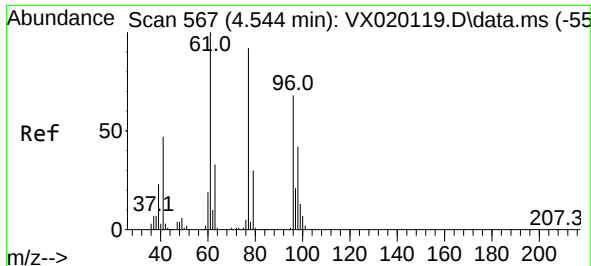
Tgt Ion: 43 Resp: 4218
 Ion Ratio Lower Upper
 43 100
 86 0.0 9.9 14.9#



#25
 2-Butanone
 Concen: 0.61 ug/l
 RT: 4.635 min Scan# 582
 Delta R.T. 0.012 min
 Lab File: VX020297.D
 Acq: 22 Dec 2020 12:46

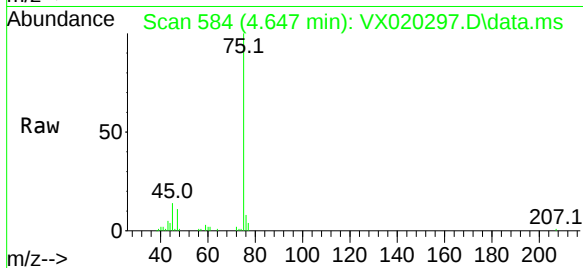
Tgt Ion: 43 Resp: 1674
 Ion Ratio Lower Upper
 43 100
 72 21.7 23.7 35.5#



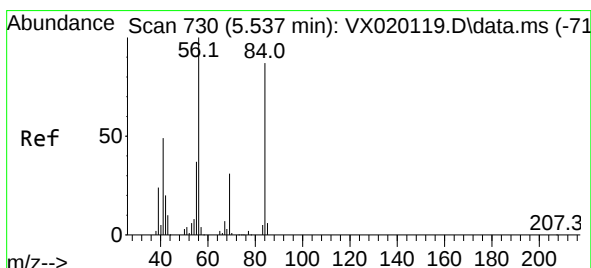
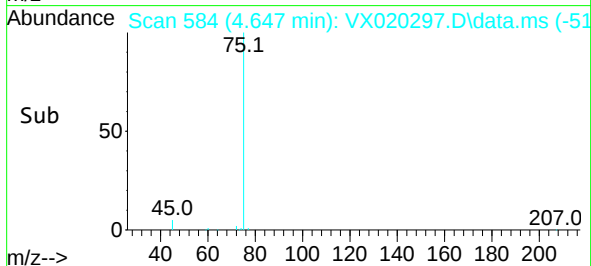
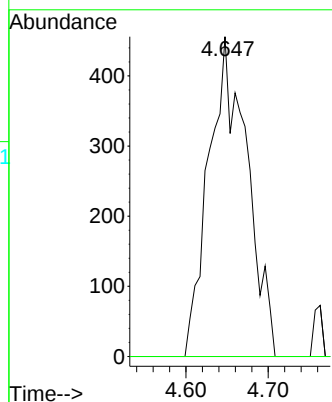


#26
2,2-Dichloropropane
Concen: 0.27 ug/l
RT: 4.647 min Scan# 584
Delta R.T. 0.103 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

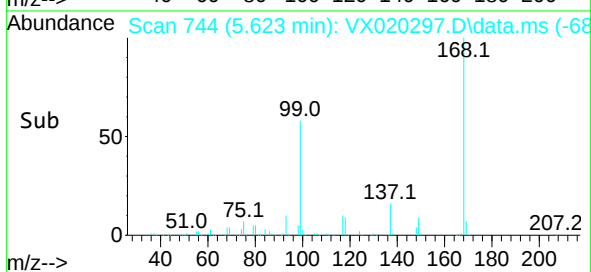
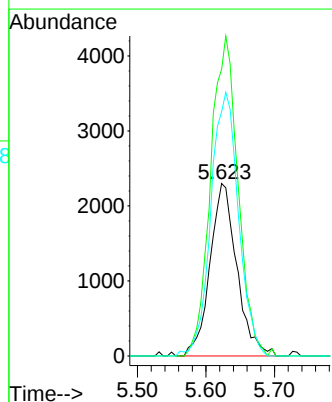
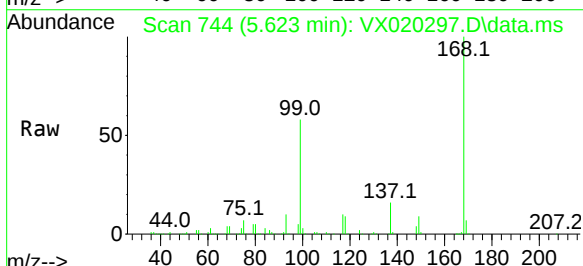


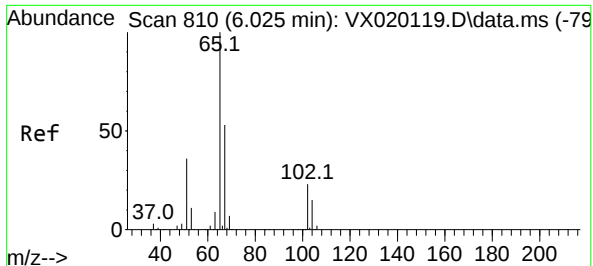
Tgt Ion: 77 Resp: 1478
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.086 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion: 56 Resp: 6257
Ion Ratio Lower Upper
56 100
69 166.3 25.3 37.9#
84 141.7 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.12 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020297.D

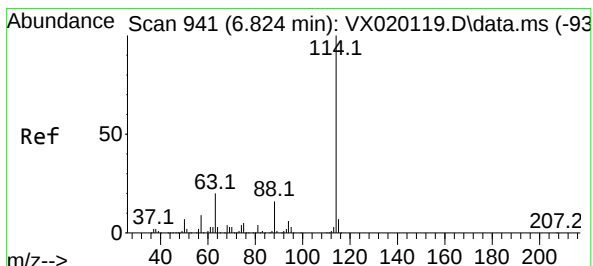
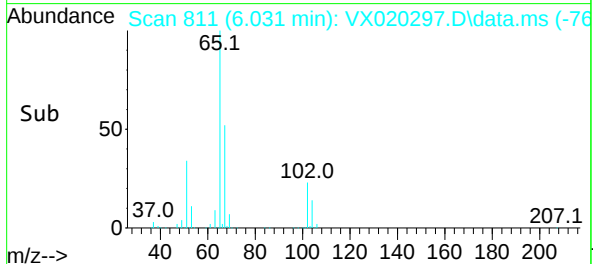
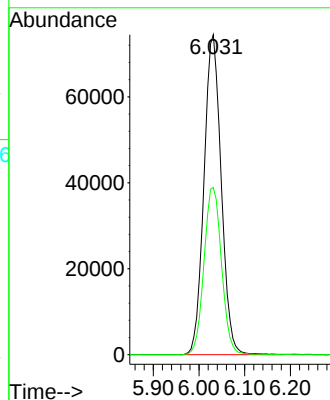
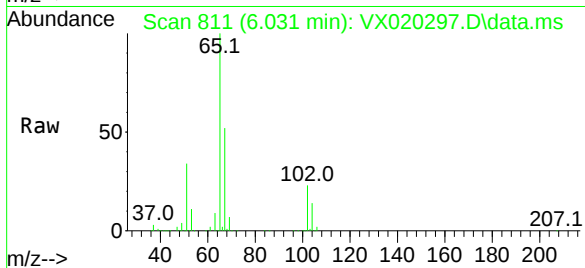
Acq: 22 Dec 2020 12:46

Tgt Ion: 65 Resp: 195288

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: VX020297.D

Acq: 22 Dec 2020 12:46

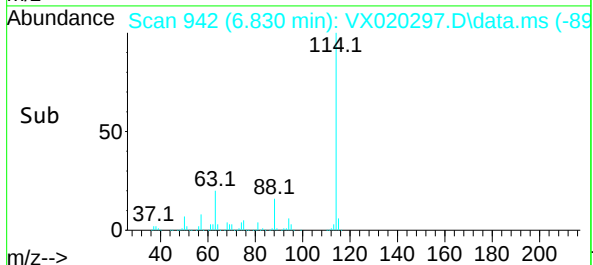
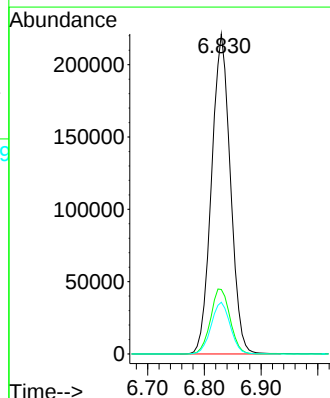
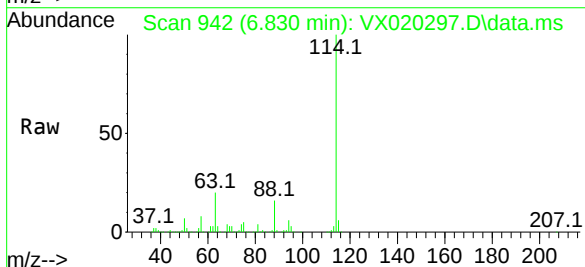
Tgt Ion: 114 Resp: 509959

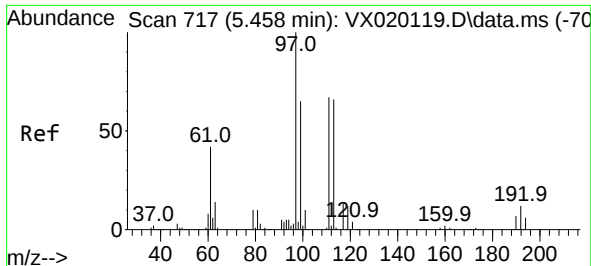
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

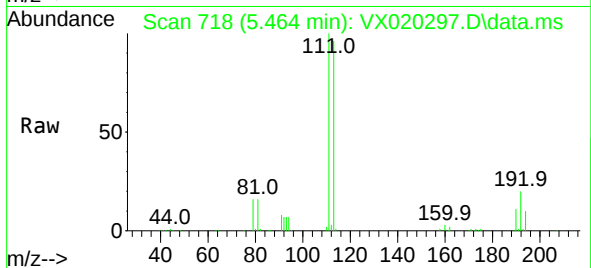
88 16.2 0.0 32.8



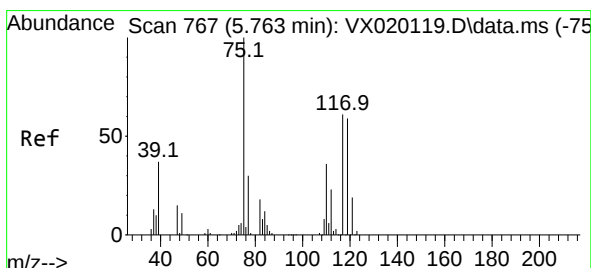
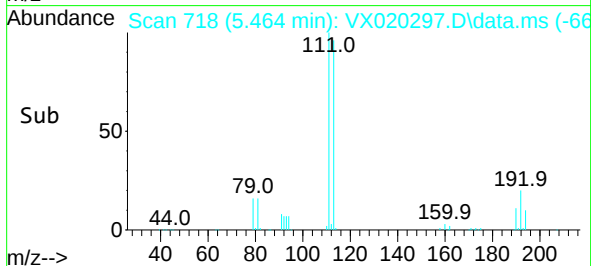
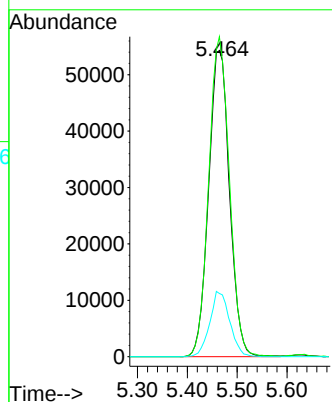


#35
Dibromofluoromethane
Concen: 48.56 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

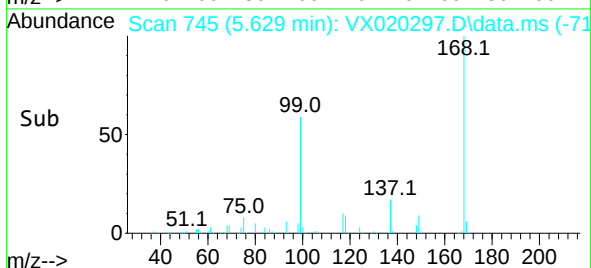
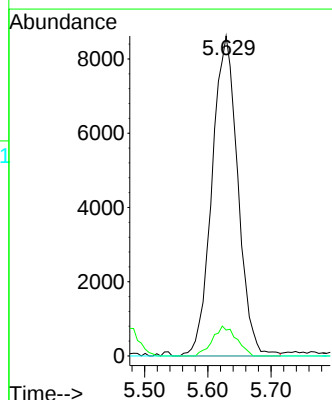
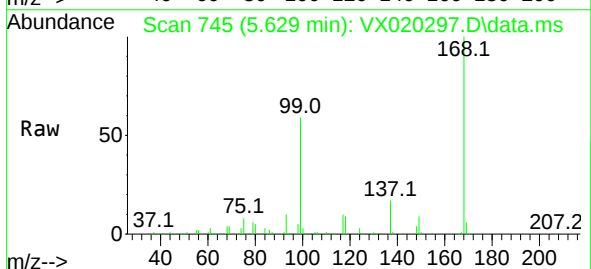


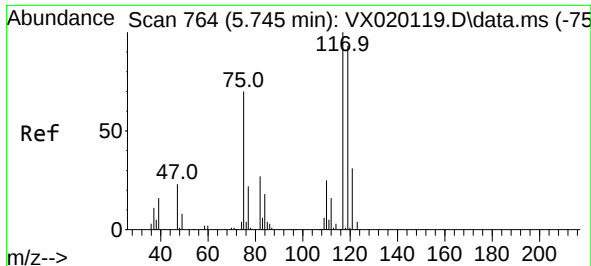
Tgt Ion:113 Resp: 158423
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 20.3 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.85 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.134 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

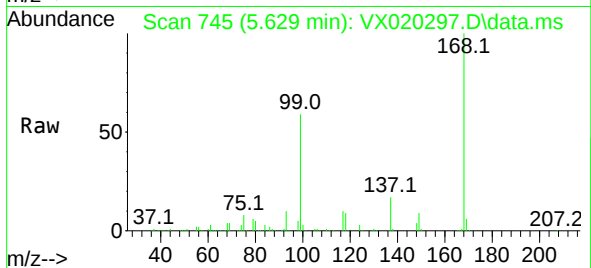
Tgt Ion: 75 Resp: 24425
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



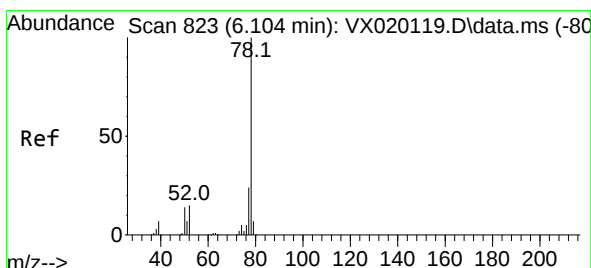
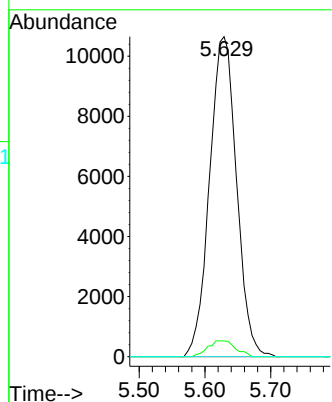
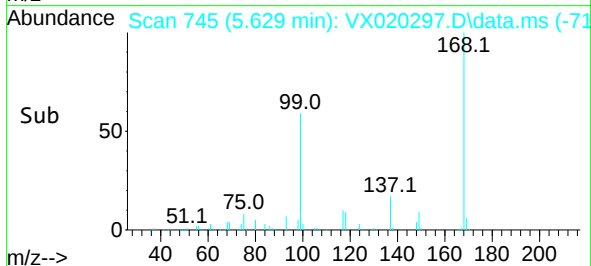


#38
Carbon Tetrachloride
Concen: 6.35 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

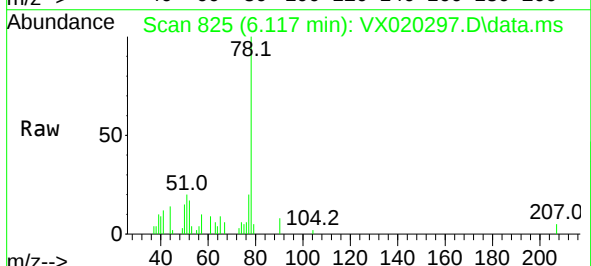
Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620



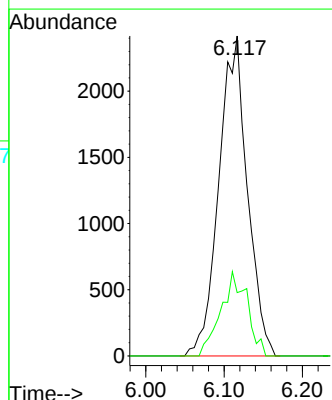
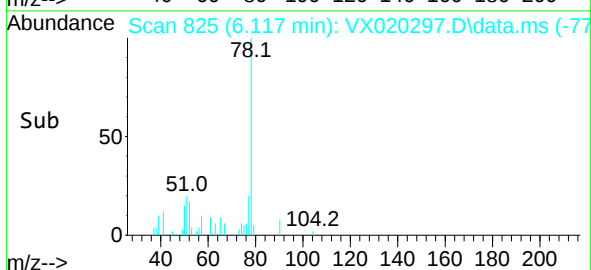
Tgt Ion:117 Resp: 30440
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#

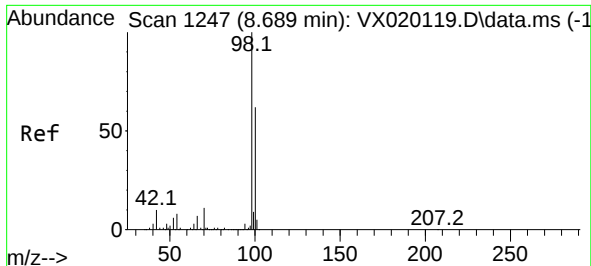


#40
Benzene
Concen: 0.39 ug/l
RT: 6.117 min Scan# 825
Delta R.T. 0.013 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46



Tgt Ion: 78 Resp: 6113
Ion Ratio Lower Upper
78 100
77 19.8 18.9 28.3

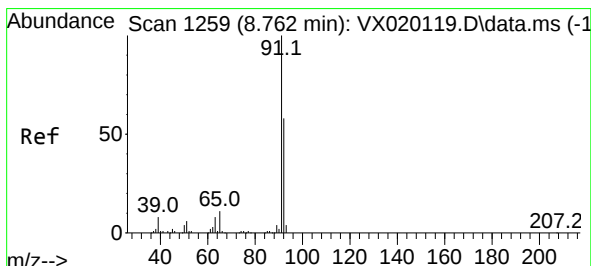
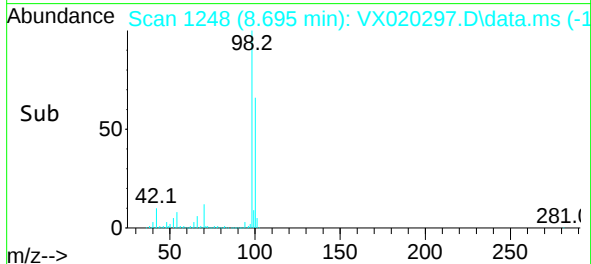
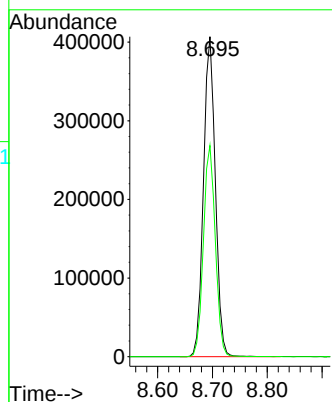
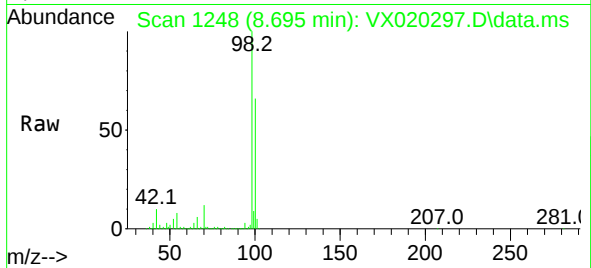




#50
Toluene-d8
Concen: 48.56 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

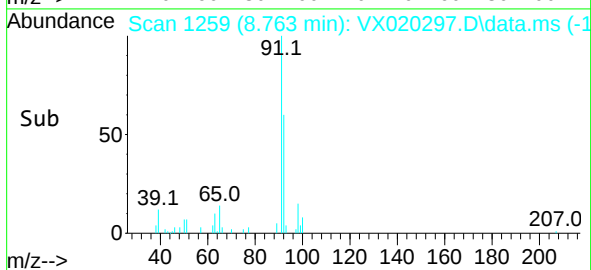
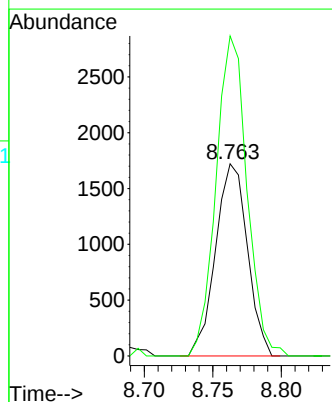
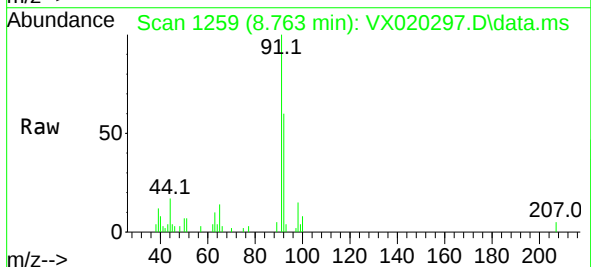
Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

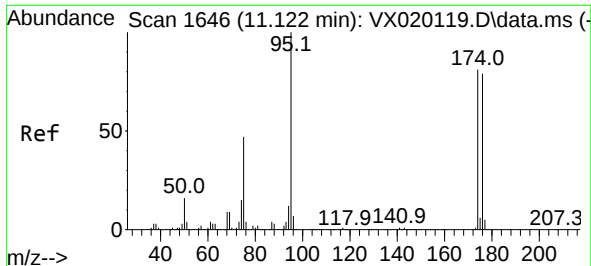
Tgt Ion: 98 Resp: 609724
Ion Ratio Lower Upper
98 100
100 66.4 51.9 77.9



#52
Toluene
Concen: 0.29 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion: 92 Resp: 2783
Ion Ratio Lower Upper
92 100
91 162.0 137.1 205.7

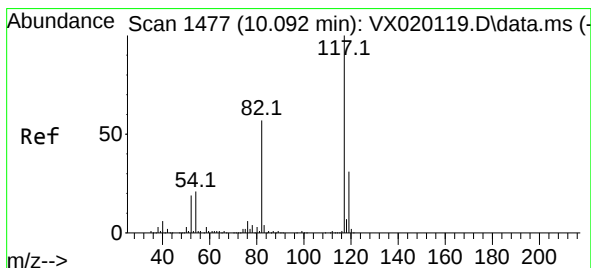
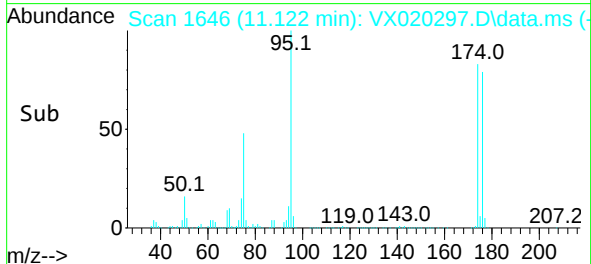
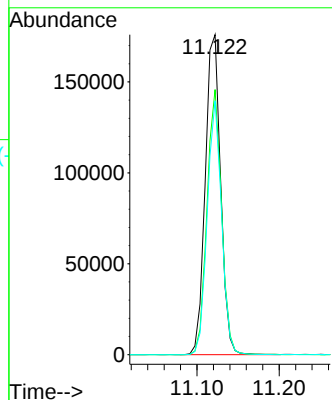
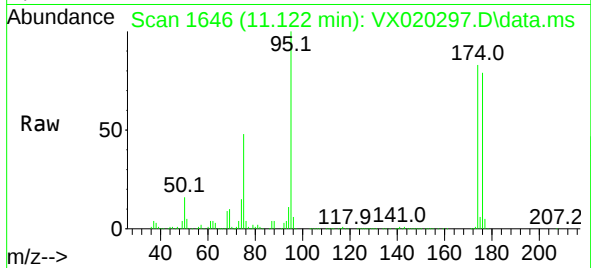




#62
4-Bromofluorobenzene
Concen: 47.58 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

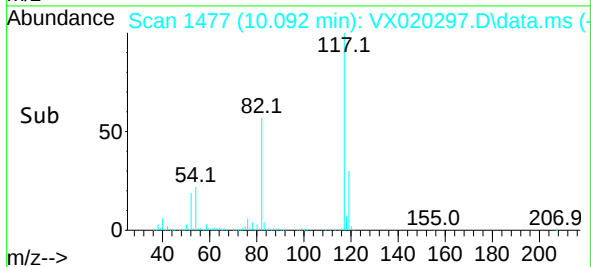
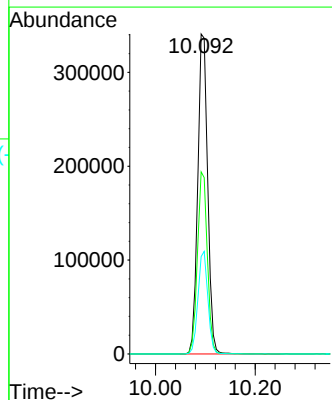
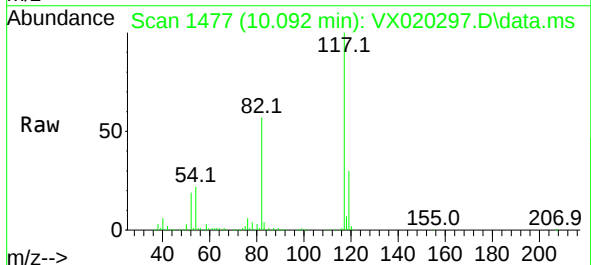
Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

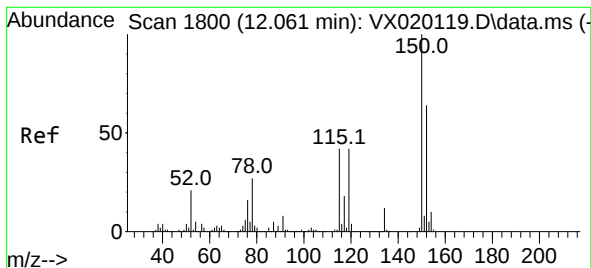
Tgt Ion: 95 Resp: 228660
Ion Ratio Lower Upper
95 100
174 78.7 0.0 154.6
176 74.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion: 117 Resp: 470141
Ion Ratio Lower Upper
117 100
82 56.9 47.4 71.2
119 30.5 26.6 39.8

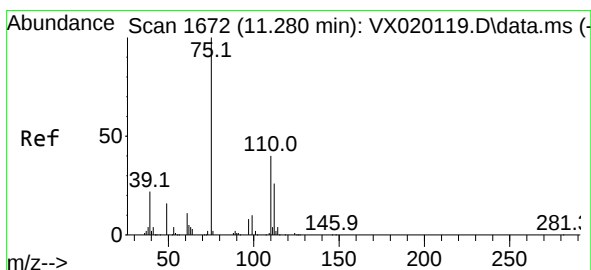
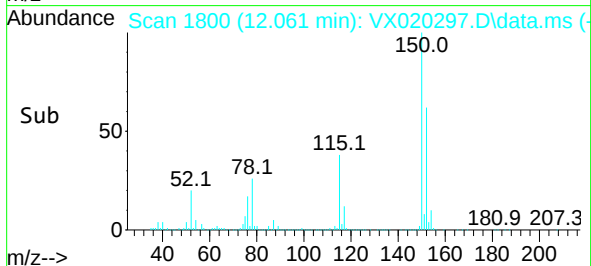
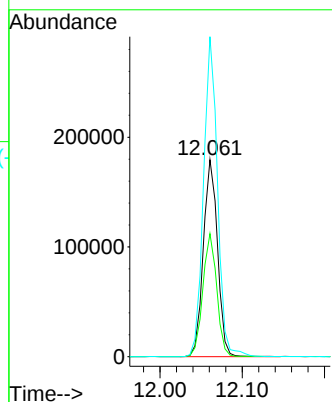
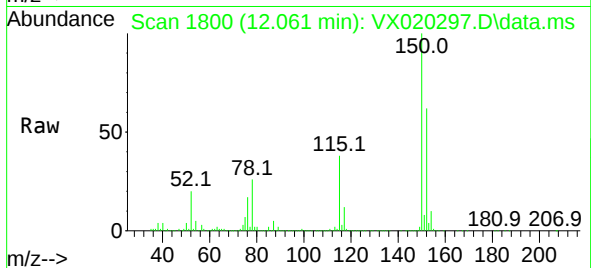




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

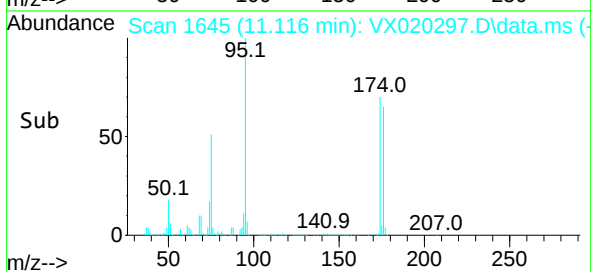
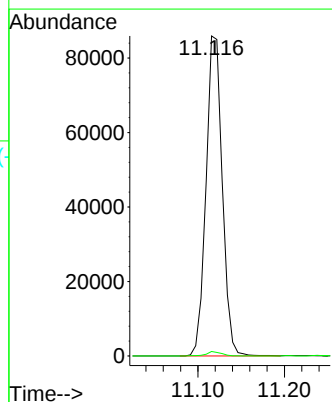
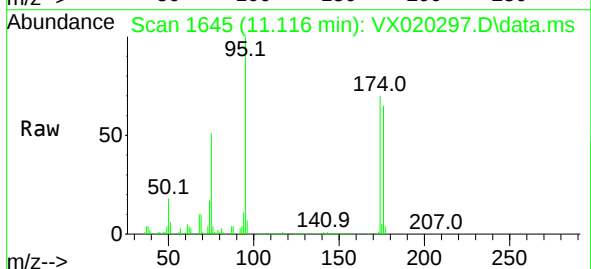
Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

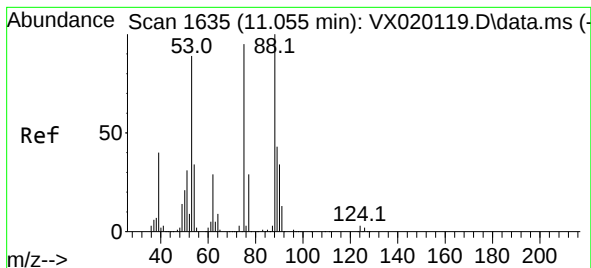
Tgt Ion:152 Resp: 215222
Ion Ratio Lower Upper
152 100
115 61.0 41.1 123.3
150 160.1 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 21.15 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion: 75 Resp: 112107
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#

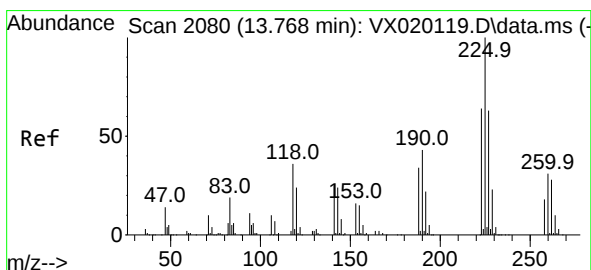
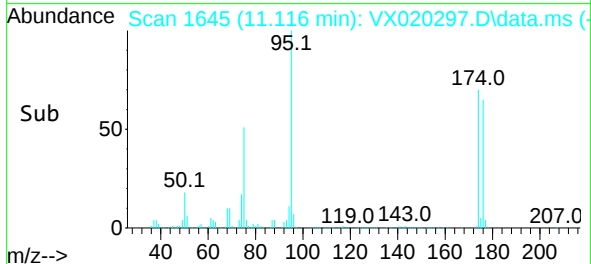
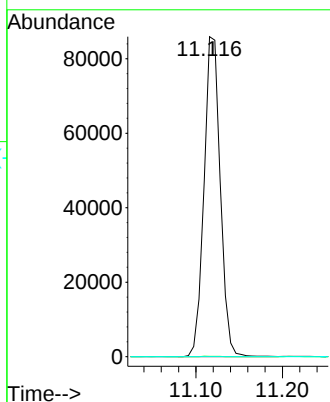
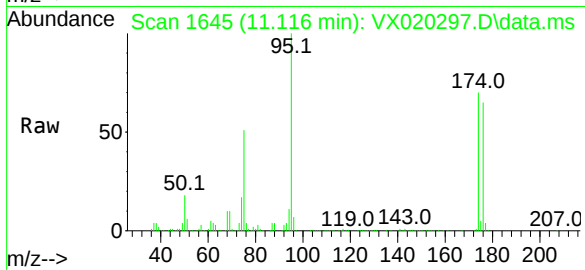




#81
trans-1,4-Dichloro-2-butene
Concen: 62.74 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Instrument :
MSVOA_X
ClientSampleId :
49-PZ003(DOB)-121620

Tgt Ion: 75 Resp: 112107
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#



#94
Hexachlorobutadiene
Concen: 2.67 ug/l
RT: 13.768 min Scan# 2080
Delta R.T. -0.000 min
Lab File: VX020297.D
Acq: 22 Dec 2020 12:46

Tgt Ion: 225 Resp: 50
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 38.0 31.6 95.0

