

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122120\
 Data File : VX020240.D
 Acq On : 21 Dec 2020 11:22
 Operator : JC/MD
 Sample : L5096-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 49-MW027-121220

Quant Time: Dec 22 01:30:29 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)

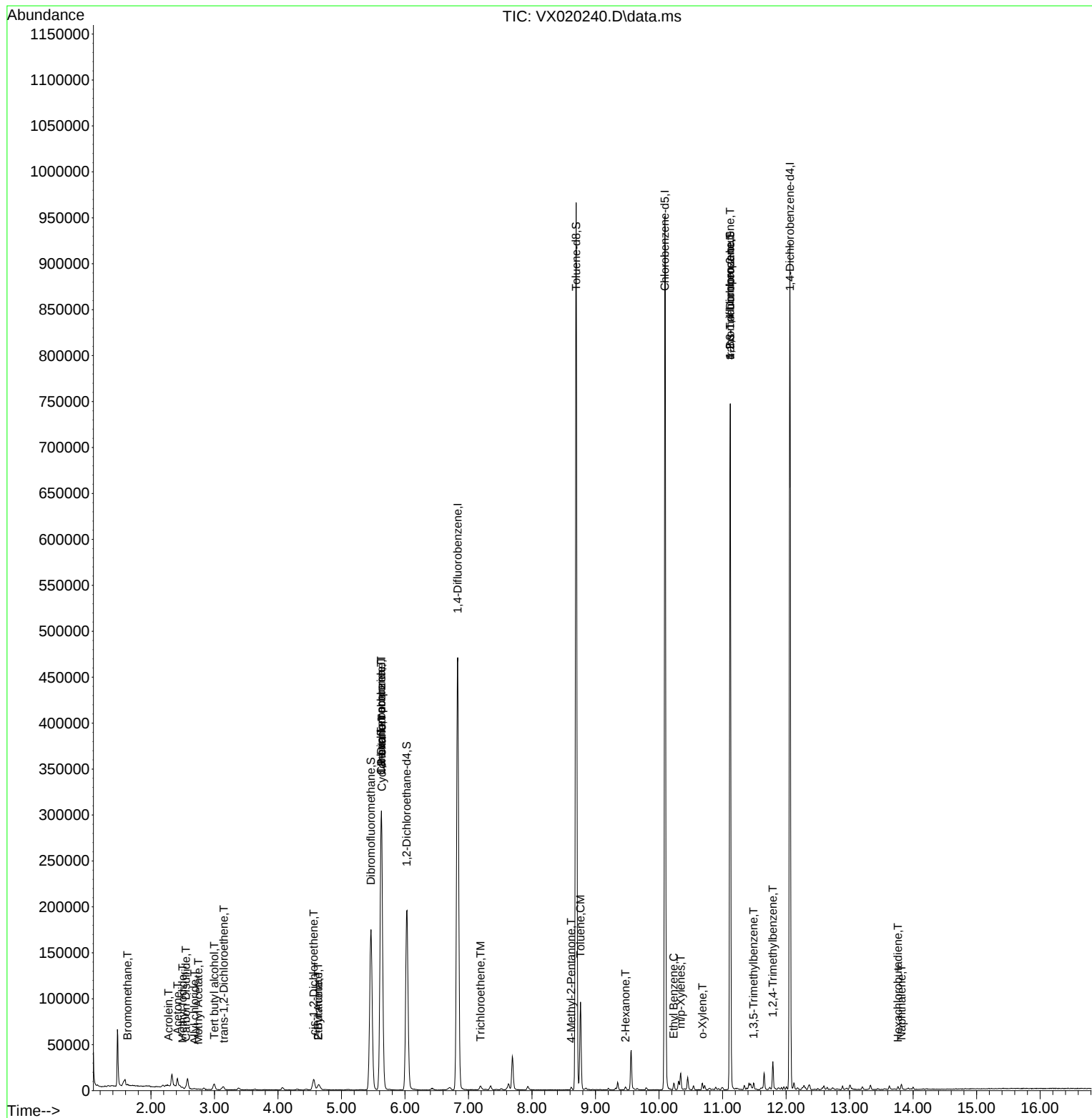
Internal Standards						
1) Pentafluorobenzene	5.629	168	293063	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	478252	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	439163	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	189124	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	188237	47.92	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.84%		
35) Dibromofluoromethane	5.464	113	151465	49.51	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	99.02%		
50) Toluene-d8	8.696	98	583122	49.52	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.04%		
62) 4-Bromofluorobenzene	11.122	95	205168	45.52	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	91.04%		
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	824	0.64	ug/l #	60
10) Methyl Iodide	2.495	142	1406	3.62	ug/l #	94
11) Tert butyl alcohol	2.995	59	4283	4.87	ug/l #	75
13) Acrolein	2.276	56	394	0.72	ug/l #	5
14) Allyl chloride	2.684	41	1082	0.20	ug/l #	53
16) Acetone	2.416	43	8384	4.68	ug/l	91
17) Carbon Disulfide	2.550	76	3091	0.35	ug/l	97
18) Methyl Acetate	2.745	43	820	0.21	ug/l #	77
21) trans-1,2-Dichloroethene	3.148	96	1243	0.34	ug/l	92
25) 2-Butanone	4.635	43	6390	2.45	ug/l	94
27) cis-1,2-Dichloroethene	4.562	96	7208	1.76	ug/l	94
31) Cyclohexane	5.635	56	5884	1.09	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	22737	4.81	ug/l #	49
37) Ethyl Acetate	4.635	43	6390	1.30	ug/l #	64
38) Carbon Tetrachloride	5.623	117	28108	6.25	ug/l #	18
44) Trichloroethene	7.190	130	1443	0.38	ug/l	95
51) 4-Methyl-2-Pentanone	8.616	43	1852	0.39	ug/l	89
52) Toluene	8.763	92	34469	3.84	ug/l	98
59) 2-Hexanone	9.470	43	1776	0.49	ug/l	95
67) Ethyl Benzene	10.232	91	4066	0.25	ug/l	96
68) m/p-Xylenes	10.342	106	4118	0.67	ug/l	97
69) o-Xylene	10.683	106	1587	0.27	ug/l	94
76) 1,2,3-Trichloropropane	11.122	75	100798	21.64	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2617	0.23	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.122	75	100798	64.19	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.793	105	7578	0.65	ug/l	97
94) Hexachlorobutadiene	13.762	225	411	2.87	ug/l	95
95) Naphthalene	13.817	128	3732	0.29	ug/l #	95

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

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Instrument :
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ClientSampleId :
49-MW027-121220

Quant Time: Dec 22 01:30:29 2020
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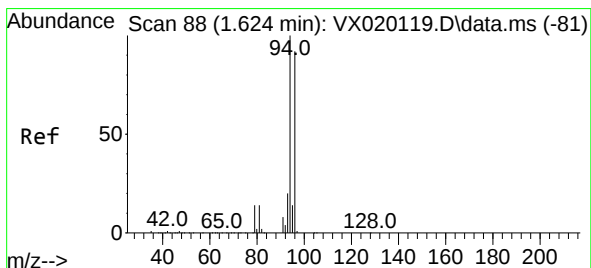
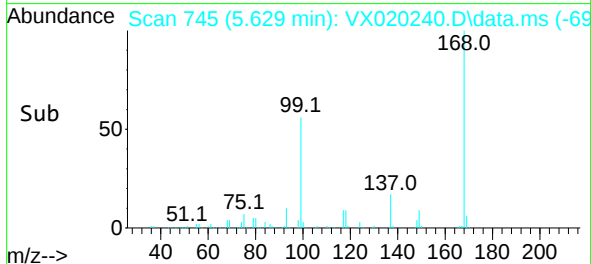
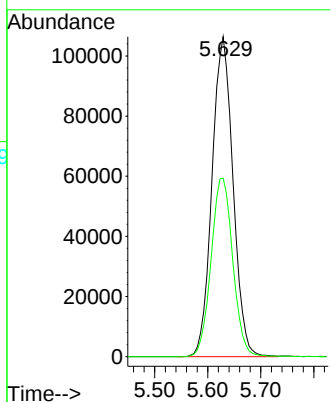
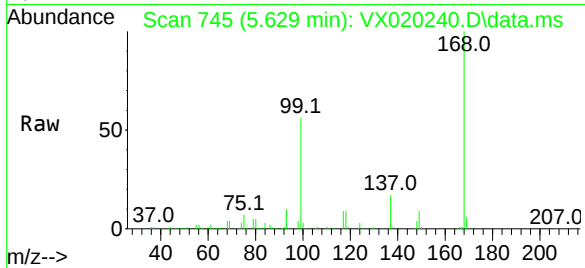




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

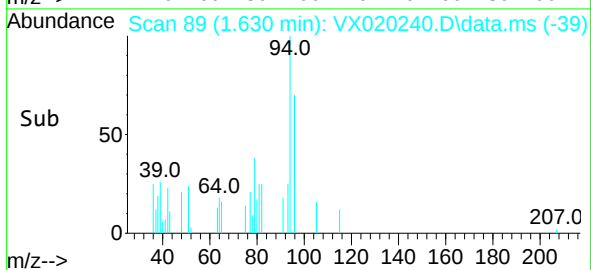
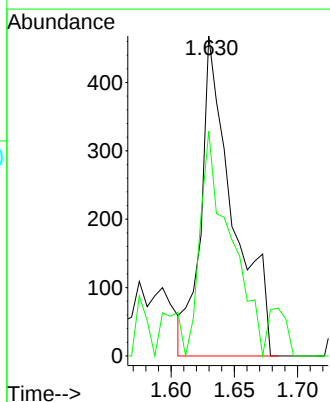
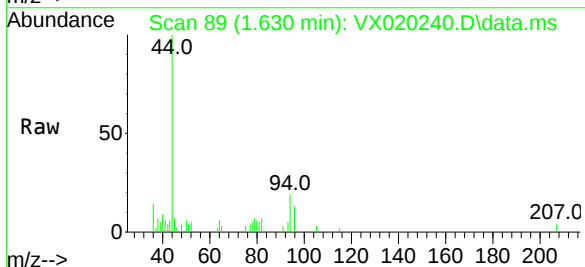
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

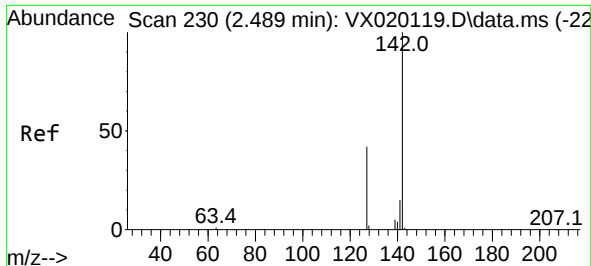
Tgt Ion:168 Resp: 293063
Ion Ratio Lower Upper
168 100
99 55.8 45.8 68.6



#5
Bromomethane
Concen: 0.64 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

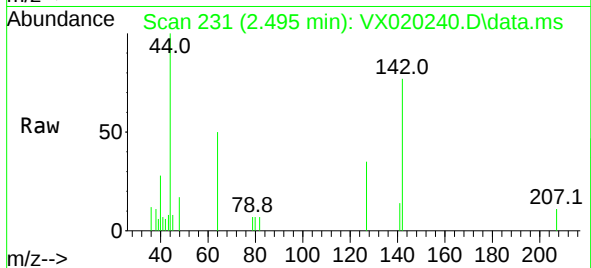
Tgt Ion: 94 Resp: 824
Ion Ratio Lower Upper
94 100
96 56.6 76.4 114.6#



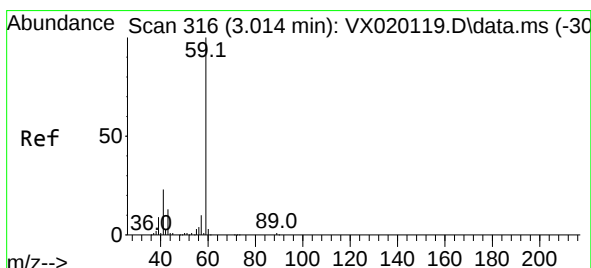
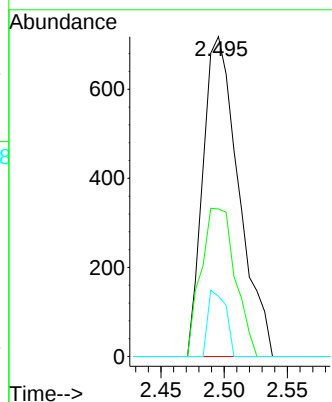
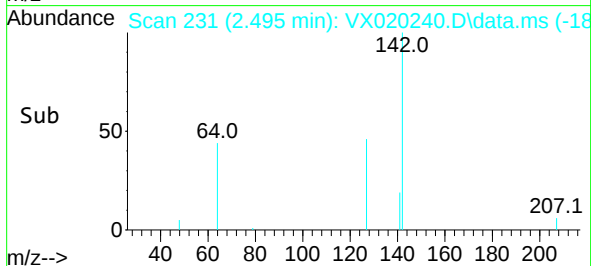


#10
Methyl Iodide
Concen: 3.62 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

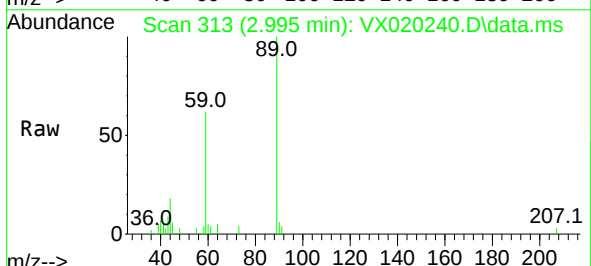
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220



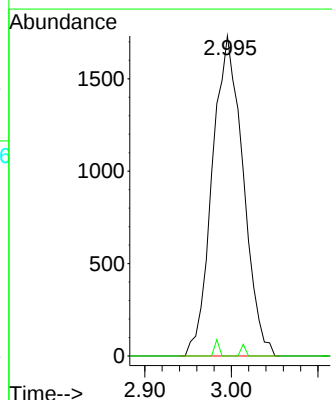
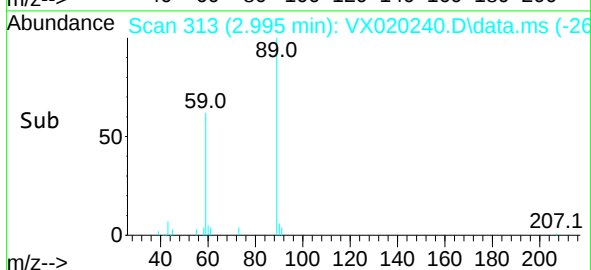
Tgt Ion:	142	Resp:	1406
Ion Ratio	Lower	Upper	
142	100		
127	44.3	33.3	49.9
141	10.4	11.4	17.0#

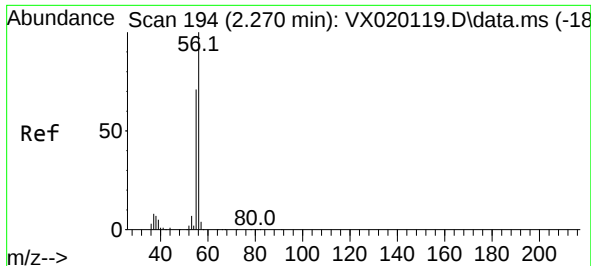


#11
Tert butyl alcohol
Concen: 4.87 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22



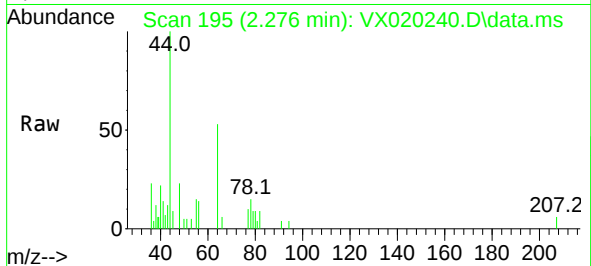
Tgt Ion:	59	Resp:	4283
Ion Ratio	Lower	Upper	
59	100		
57	0.7	7.8	11.8#



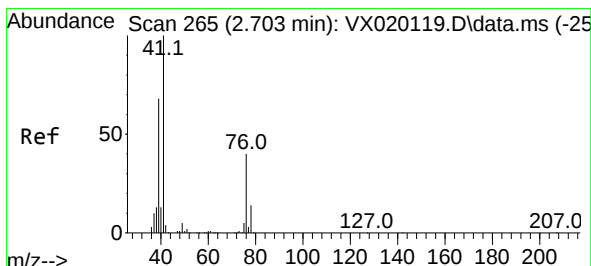
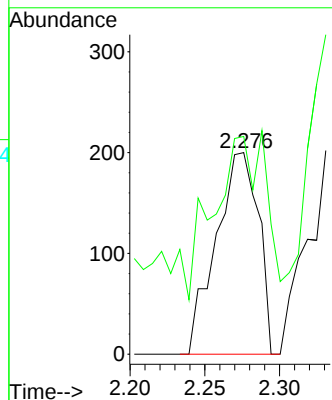
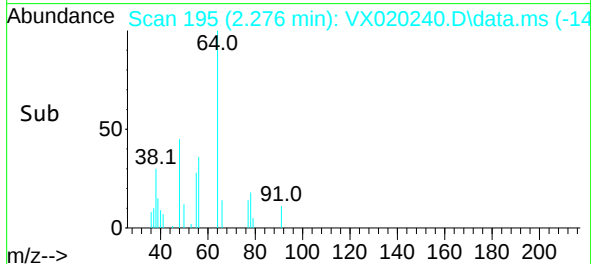


#13
Acrolein
Concen: 0.72 ug/l
RT: 2.276 min Scan# 195
Delta R.T. 0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

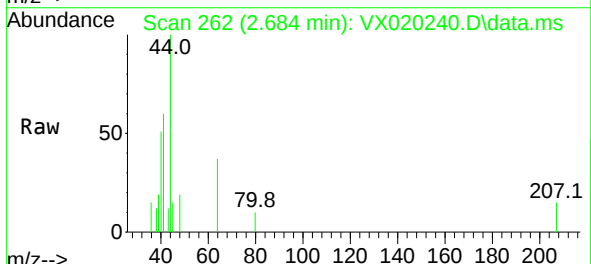
Instrument :
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ClientSampleId :
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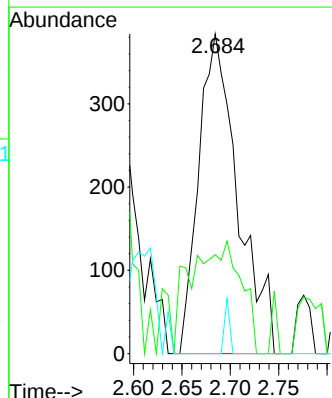
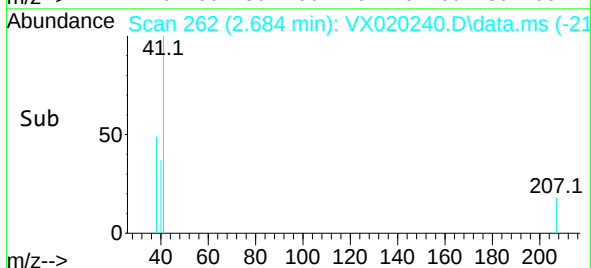
Tgt Ion: 56 Resp: 394
Ion Ratio Lower Upper
56 100
55 148.7 56.4 84.6#

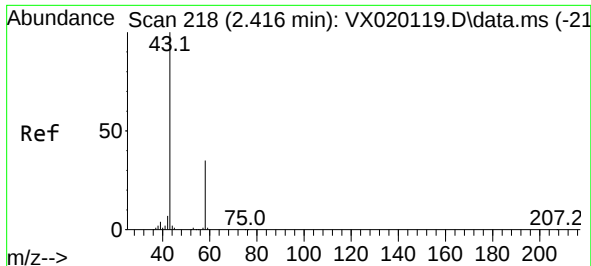


#14
Allyl chloride
Concen: 0.20 ug/l
RT: 2.684 min Scan# 262
Delta R.T. -0.019 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22



Tgt Ion: 41 Resp: 1082
Ion Ratio Lower Upper
41 100
39 35.7 51.6 77.4#
76 0.0 30.5 45.7#

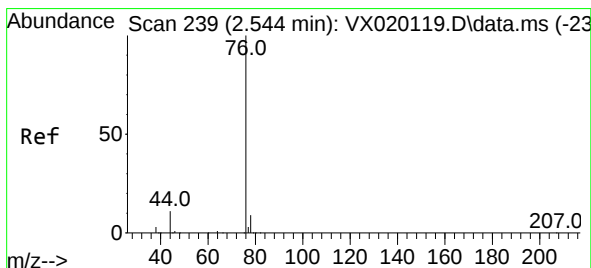
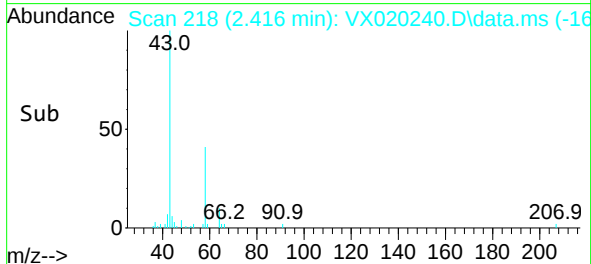
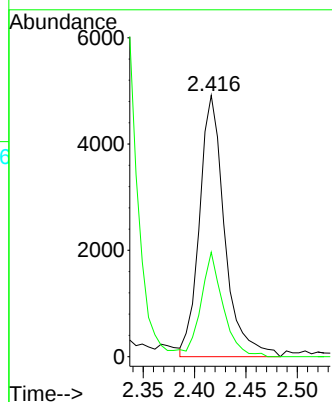
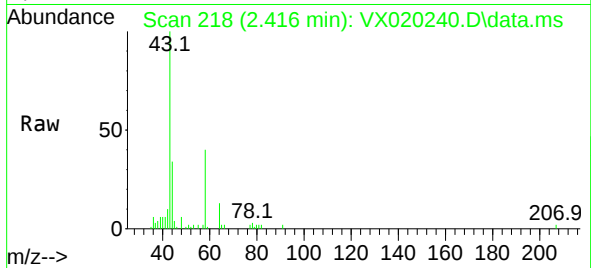




#16
Acetone
Concen: 4.68 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

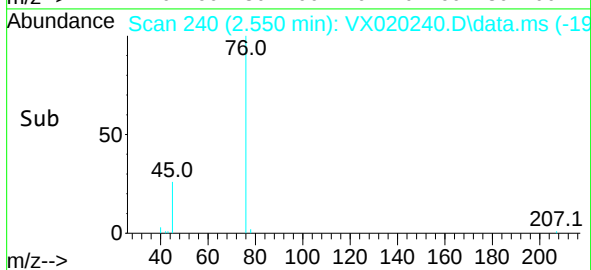
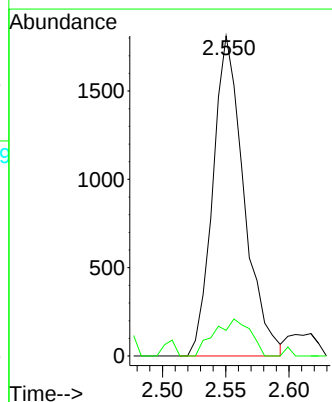
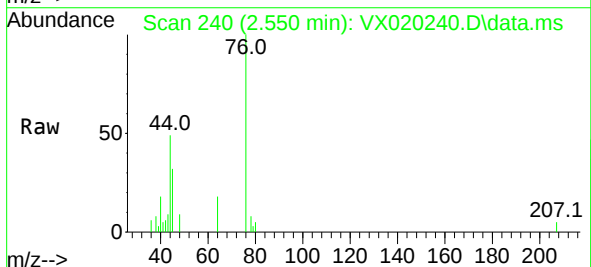
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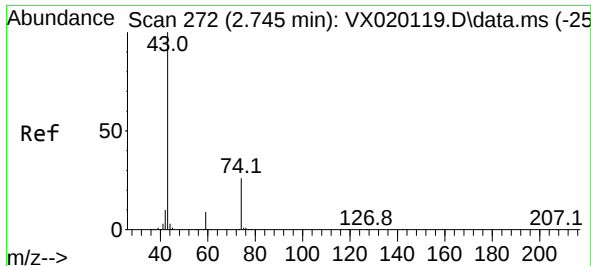
Tgt Ion: 43 Resp: 8384
Ion Ratio Lower Upper
43 100
58 40.0 27.8 41.8



#17
Carbon Disulfide
Concen: 0.35 ug/l
RT: 2.550 min Scan# 240
Delta R.T. 0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion: 76 Resp: 3091
Ion Ratio Lower Upper
76 100
78 8.0 7.2 10.8

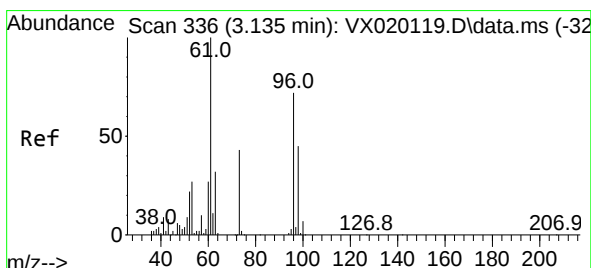
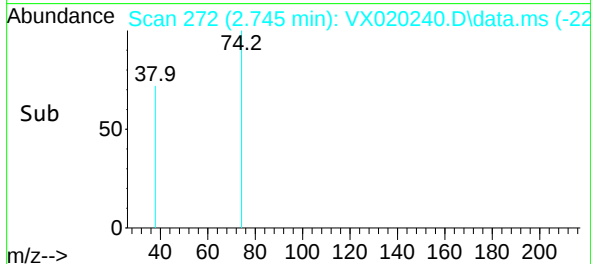
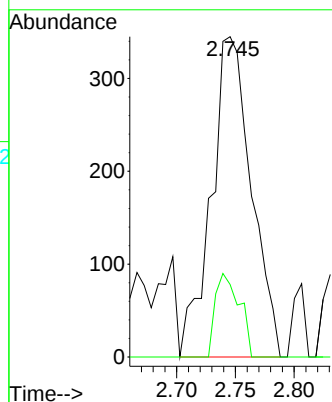
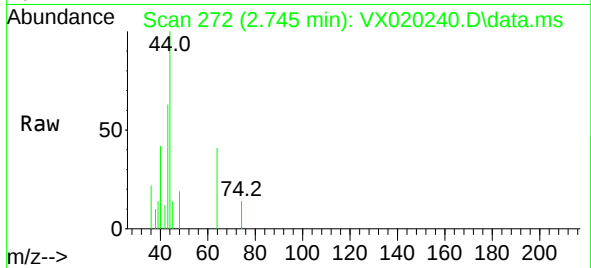




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.745 min Scan# 272
Delta R.T. 0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

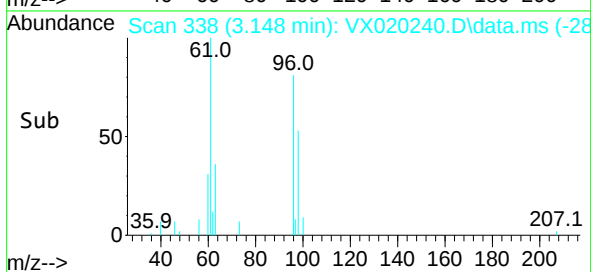
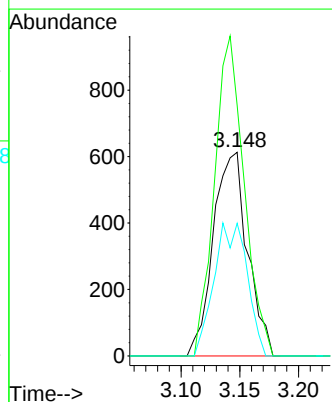
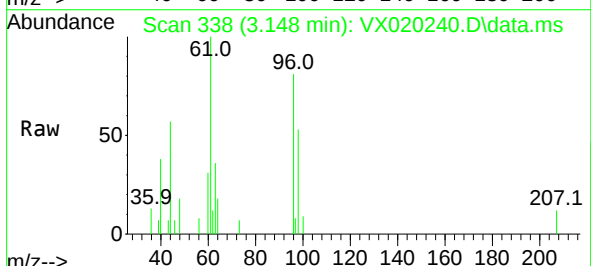
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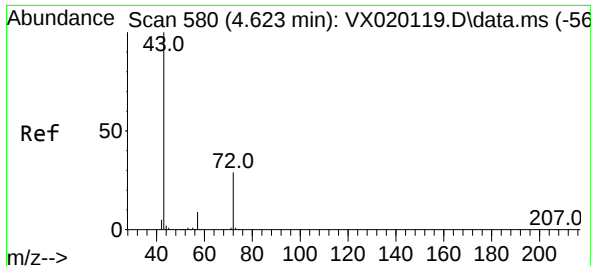
Tgt Ion: 43 Resp: 820
Ion Ratio Lower Upper
43 100
74 15.6 21.9 32.9#



#21
trans-1,2-Dichloroethene
Concen: 0.34 ug/l
RT: 3.148 min Scan# 338
Delta R.T. 0.013 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion: 96 Resp: 1243
Ion Ratio Lower Upper
96 100
61 123.0 107.7 161.5
98 65.1 50.4 75.6

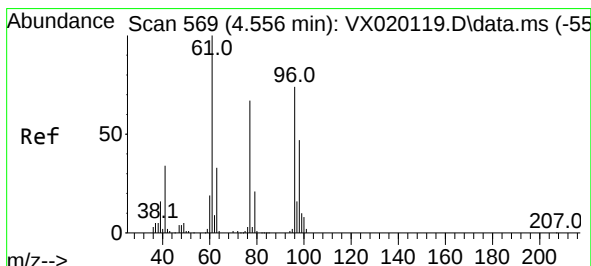
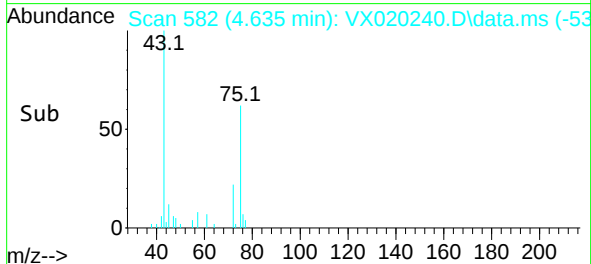
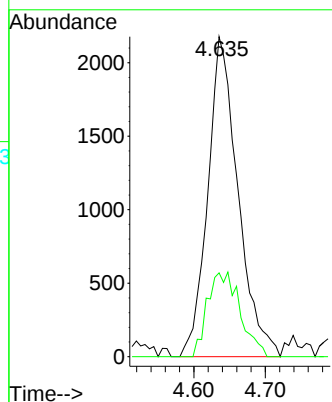
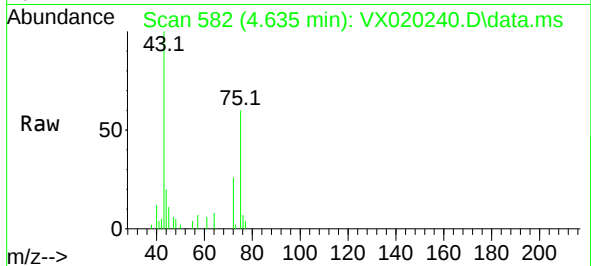




#25
2-Butanone
Concen: 2.45 ug/l
RT: 4.635 min Scan# 582
Delta R.T. 0.012 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

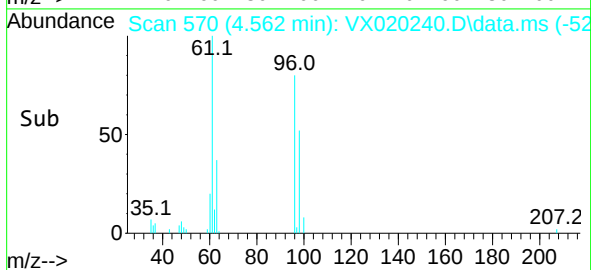
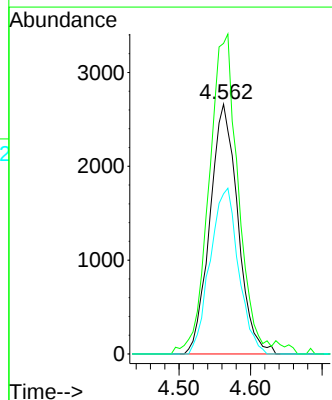
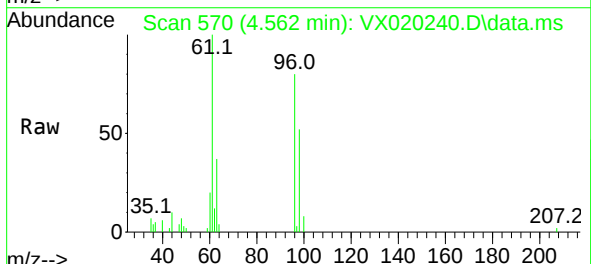
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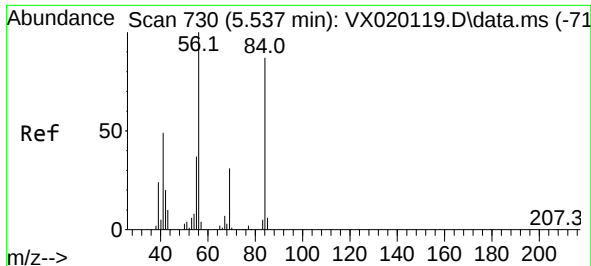
Tgt Ion: 43 Resp: 6390
Ion Ratio Lower Upper
43 100
72 26.2 23.7 35.5



#27
cis-1,2-Dichloroethene
Concen: 1.76 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

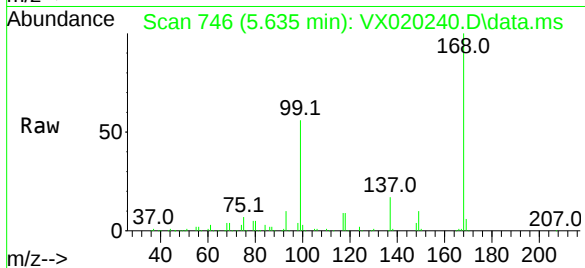
Tgt Ion: 96 Resp: 7208
Ion Ratio Lower Upper
96 100
61 133.6 0.0 285.6
98 67.5 0.0 129.6



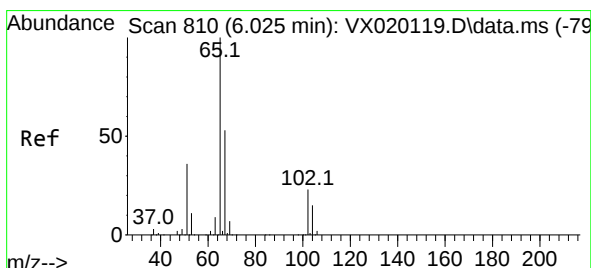
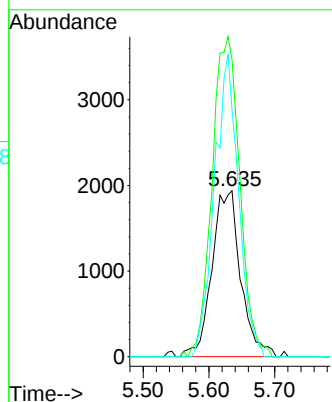
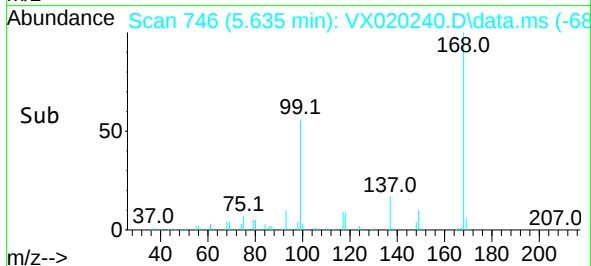


#31
Cyclohexane
Concen: 1.09 ug/l
RT: 5.635 min Scan# 746
Delta R.T. 0.098 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

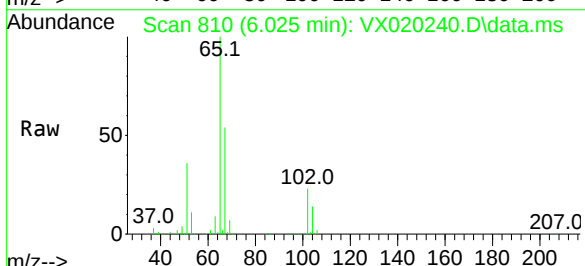
Instrument :
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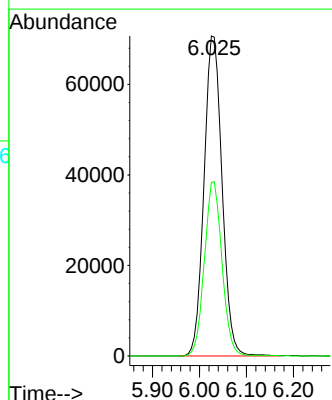
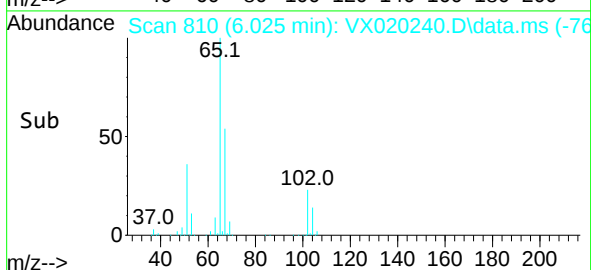
Tgt Ion: 56 Resp: 5884
Ion Ratio Lower Upper
56 100
69 179.2 25.3 37.9#
84 148.7 71.4 107.0#

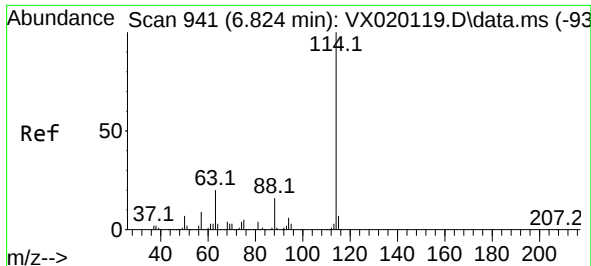


#33
1,2-Dichloroethane-d4
Concen: 47.92 ug/l
RT: 6.025 min Scan# 810
Delta R.T. 0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22



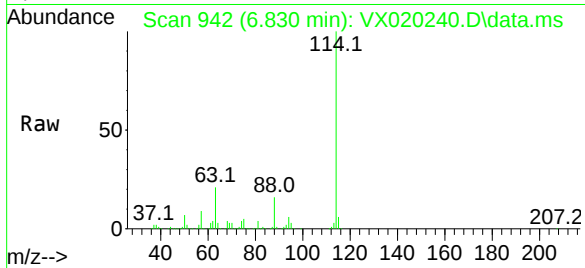
Tgt Ion: 65 Resp: 188237
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.4



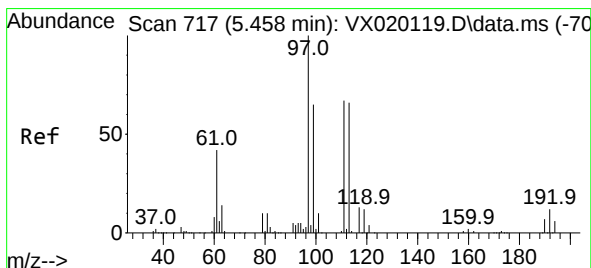
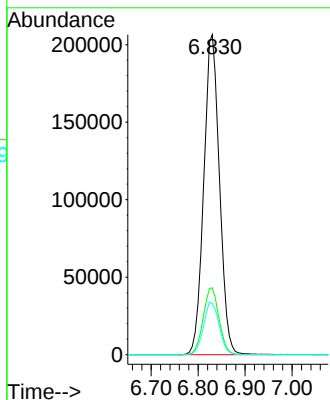
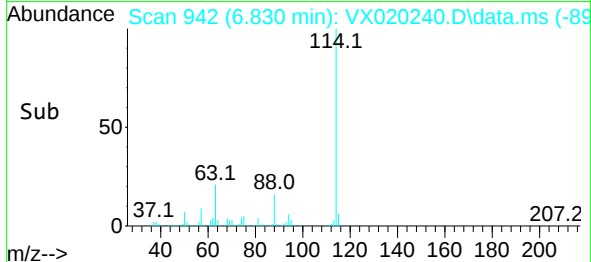


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.830 min Scan# 942
Delta R.T. 0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

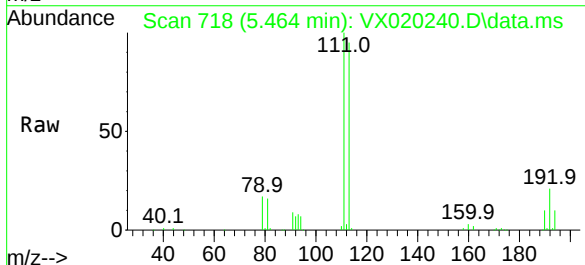
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220



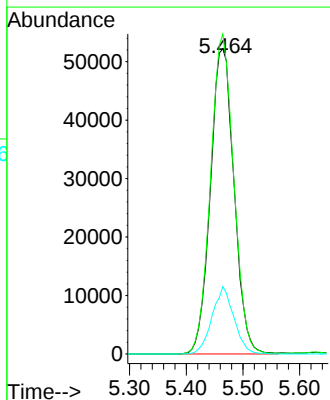
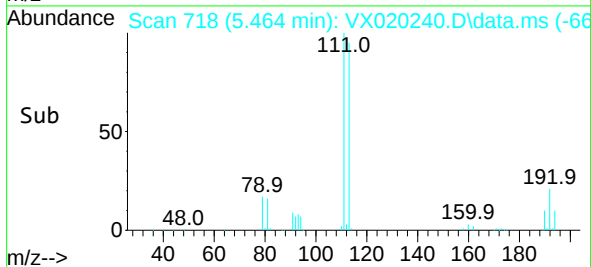
Tgt Ion:114 Resp: 478252
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.0 0.0 32.8

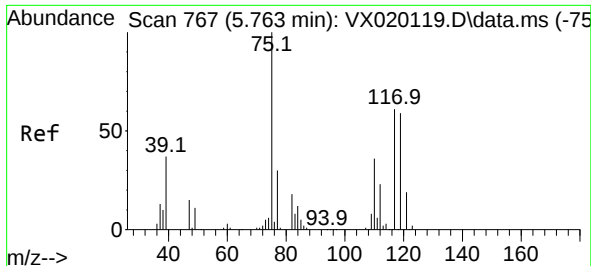


#35
Dibromofluoromethane
Concen: 49.51 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22



Tgt Ion:113 Resp: 151465
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 20.3 16.7 25.1

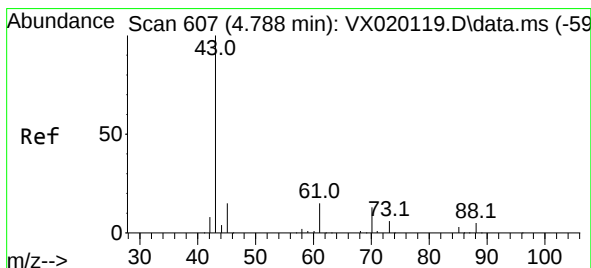
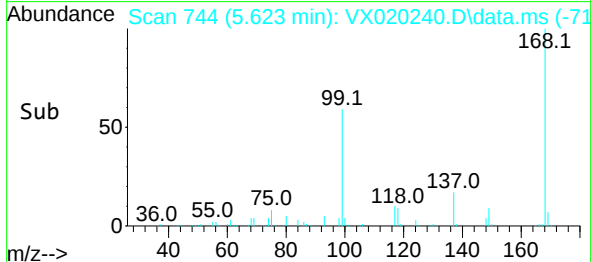
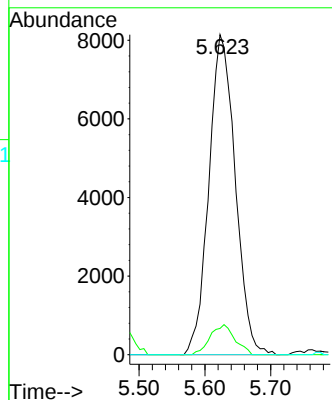
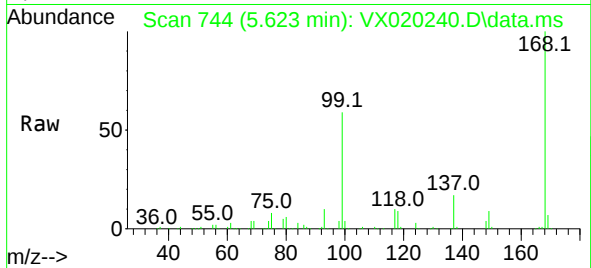




#36
1,1-Dichloropropene
Concen: 4.81 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

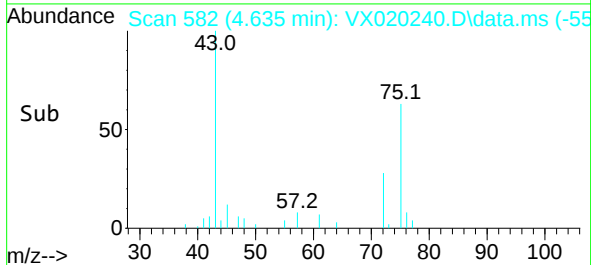
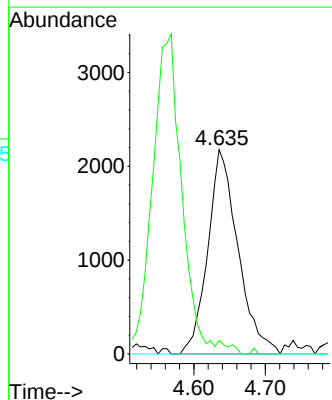
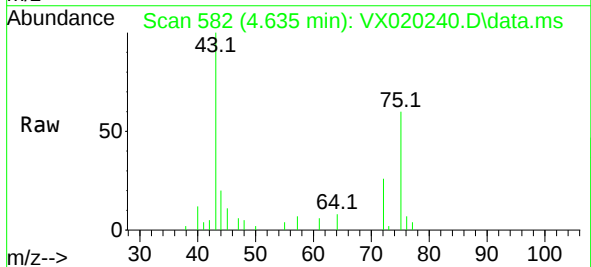
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

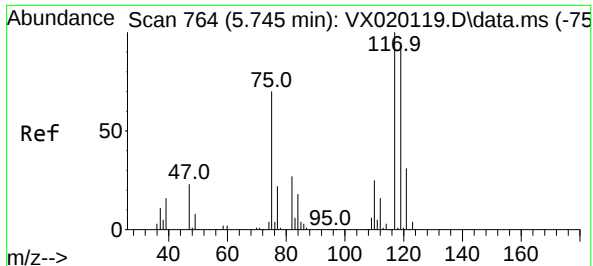
Tgt Ion: 75 Resp: 22737
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 1.30 ug/l
RT: 4.635 min Scan# 582
Delta R.T. -0.153 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

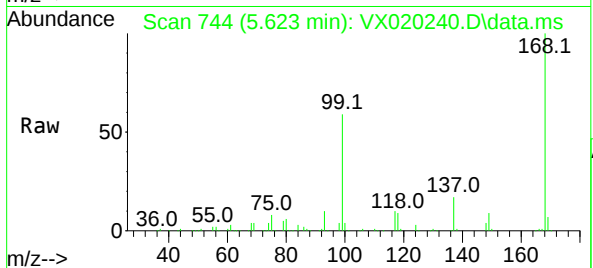
Tgt Ion: 43 Resp: 6390
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



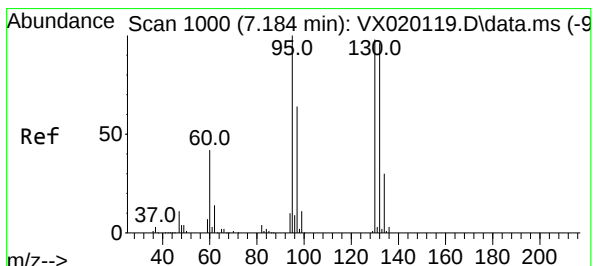
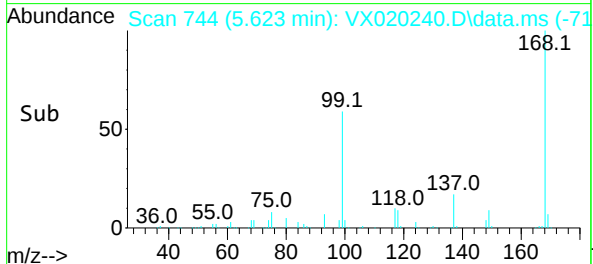
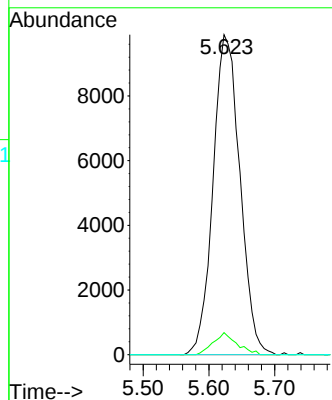


#38
Carbon Tetrachloride
Concen: 6.25 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.122 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

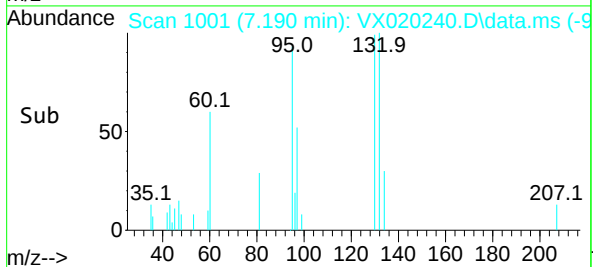
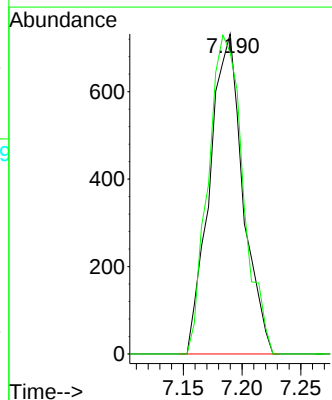
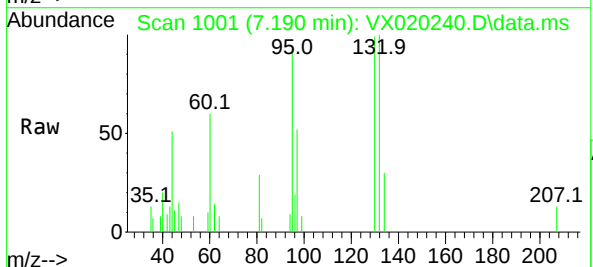


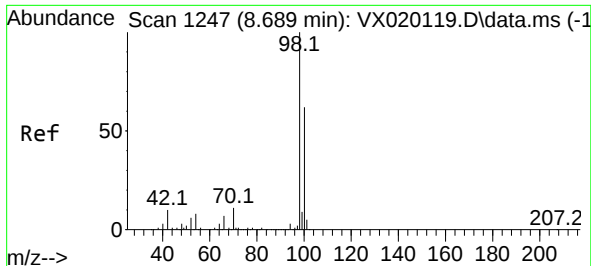
Tgt Ion:117 Resp: 28108
Ion Ratio Lower Upper
117 100
119 6.9 76.2 114.2#
121 0.0 24.8 37.2#



#44
Trichloroethene
Concen: 0.38 ug/l
RT: 7.190 min Scan# 1001
Delta R.T. 0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion:130 Resp: 1443
Ion Ratio Lower Upper
130 100
95 94.3 0.0 198.0

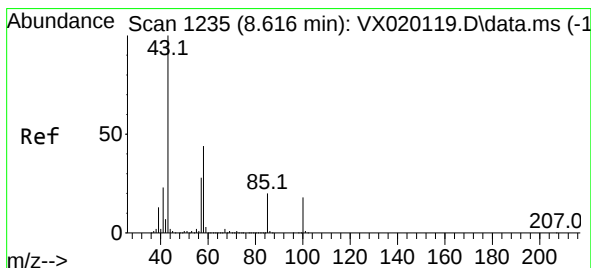
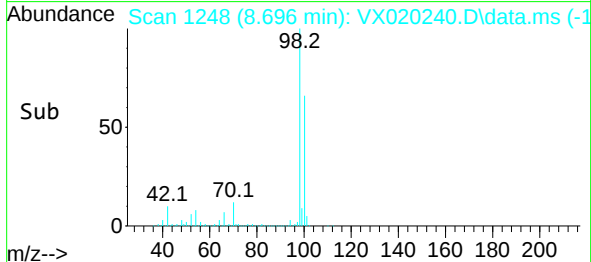
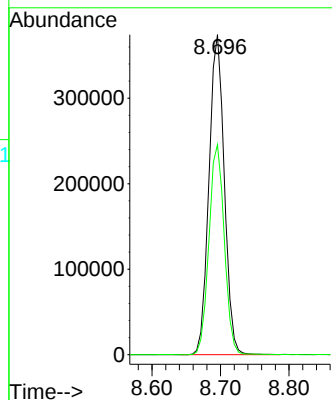
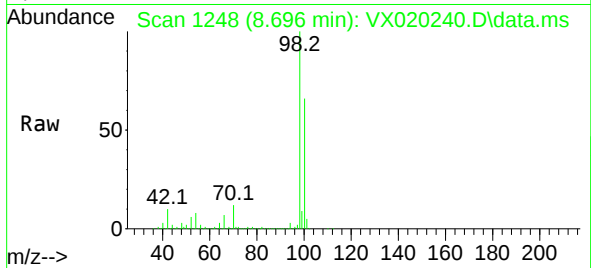




#50
Toluene-d8
Concen: 49.52 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.007 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

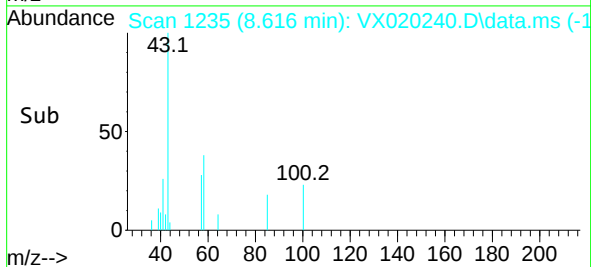
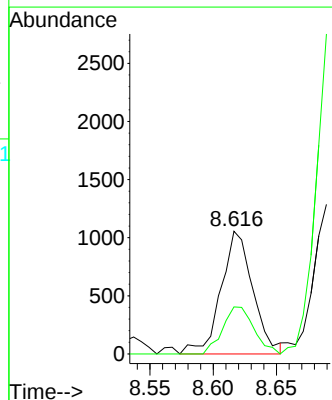
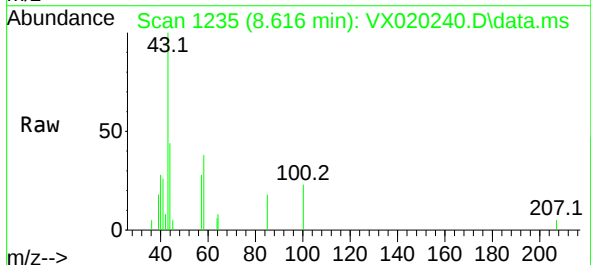
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

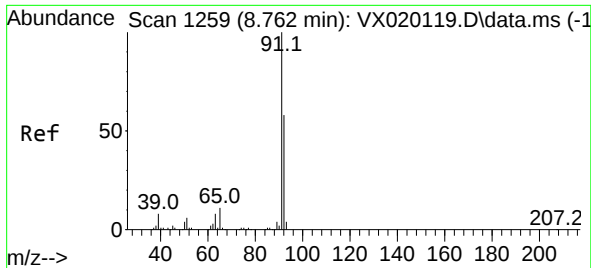
Tgt Ion: 98 Resp: 583122
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.39 ug/l
RT: 8.616 min Scan# 1235
Delta R.T. 0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion: 43 Resp: 1852
Ion Ratio Lower Upper
43 100
58 37.4 35.4 53.0

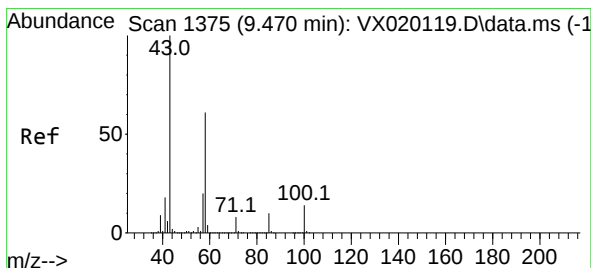
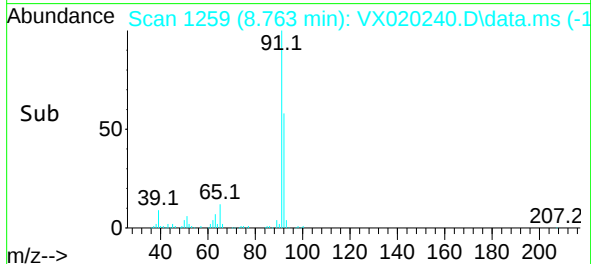
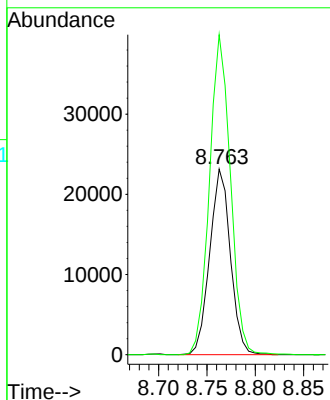
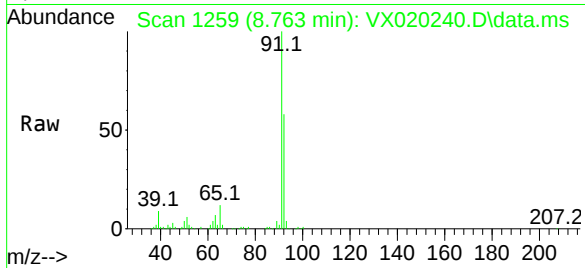




#52
Toluene
Concen: 3.84 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

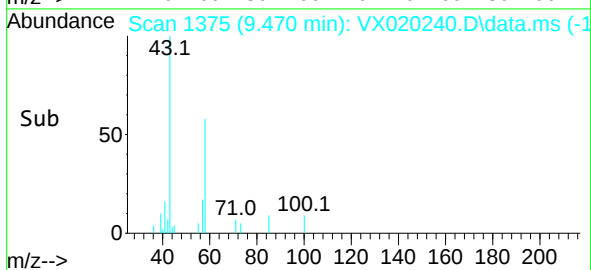
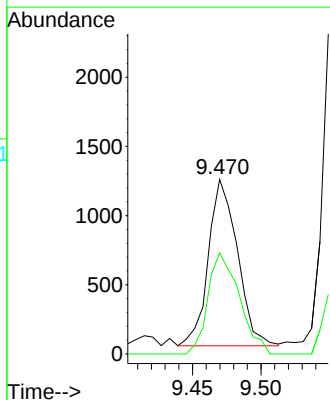
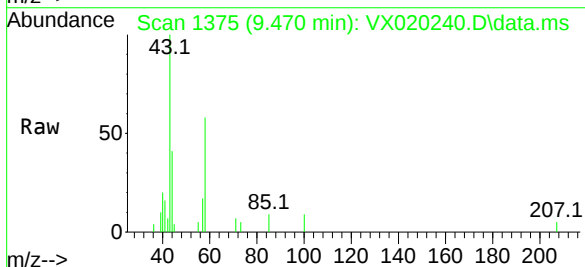
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

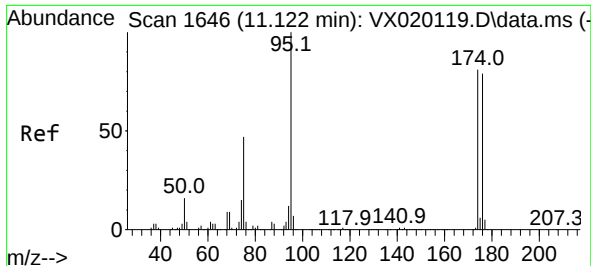
Tgt Ion: 92 Resp: 34469
Ion Ratio Lower Upper
92 100
91 174.5 137.1 205.7



#59
2-Hexanone
Concen: 0.49 ug/l
RT: 9.470 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion: 43 Resp: 1776
Ion Ratio Lower Upper
43 100
58 65.6 30.9 92.8

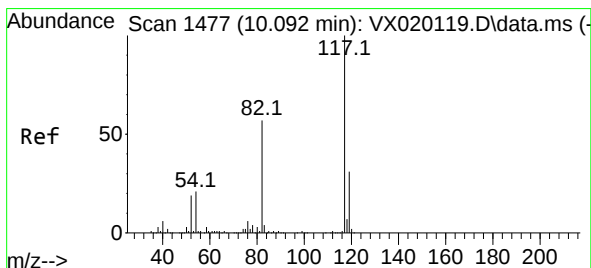
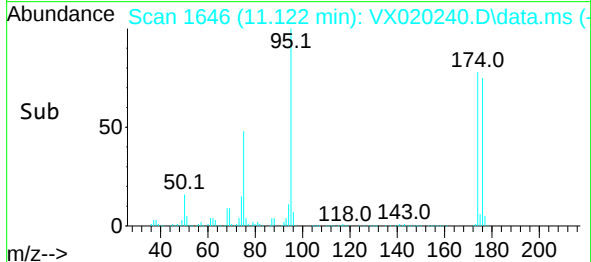
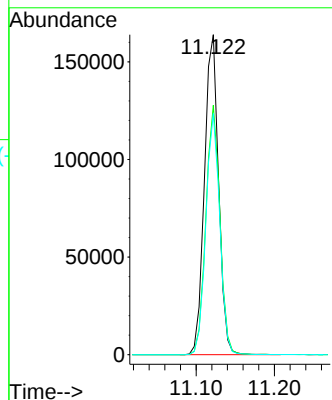
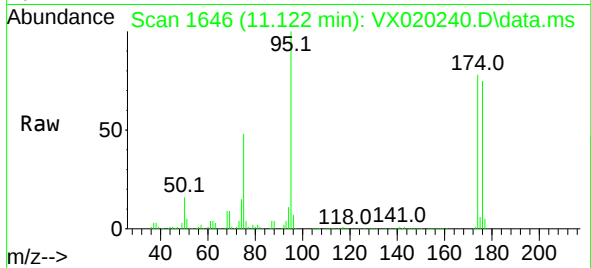




#62
4-Bromofluorobenzene
Concen: 45.52 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

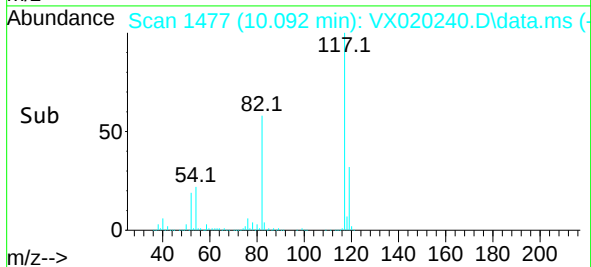
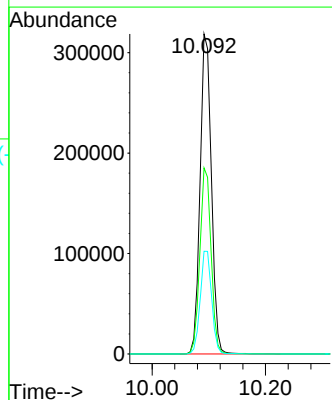
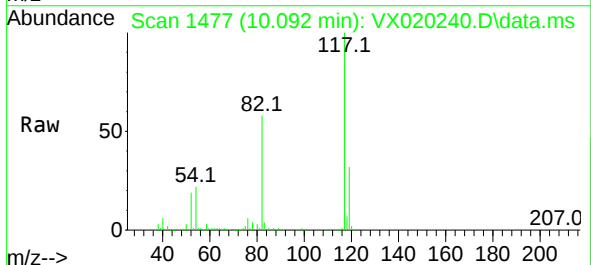
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

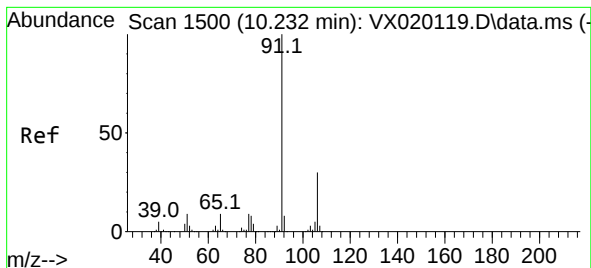
Tgt Ion: 95 Resp: 205168
Ion Ratio Lower Upper
95 100
174 77.5 0.0 154.6
176 73.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. -0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion: 117 Resp: 439163
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.2
119 32.1 26.6 39.8

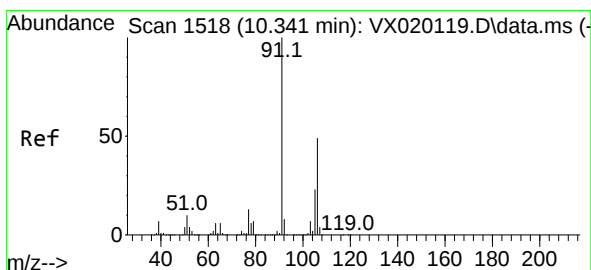
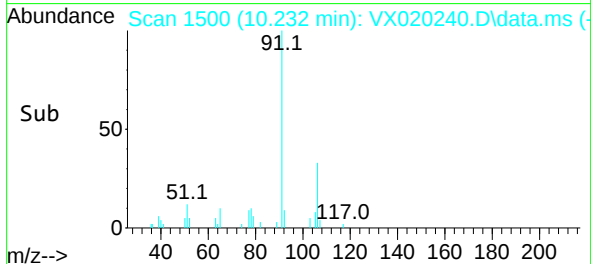
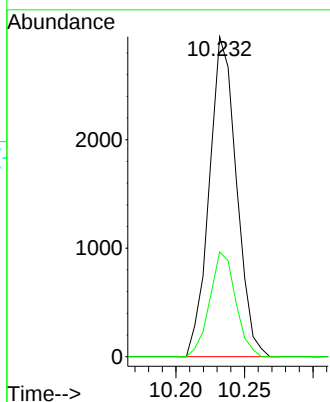
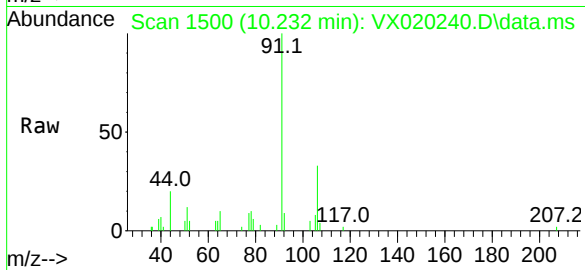




#67
Ethyl Benzene
Concen: 0.25 ug/l
RT: 10.232 min Scan# 1500
Delta R.T. -0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

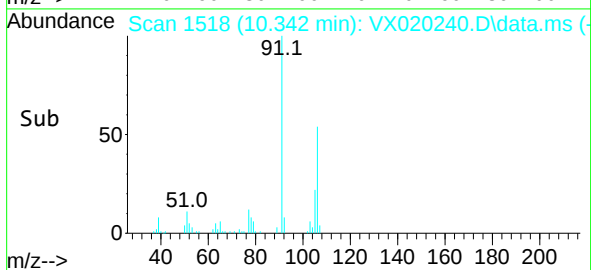
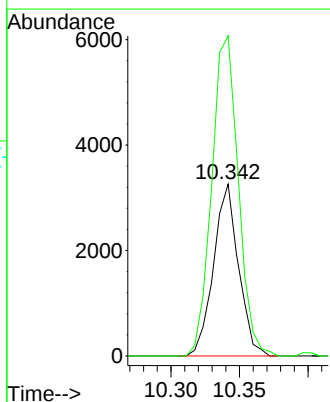
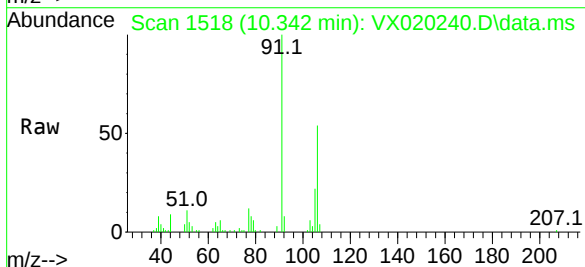
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

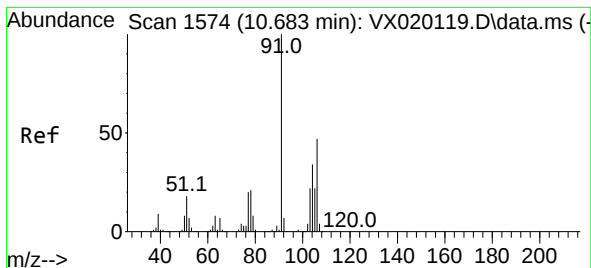
Tgt Ion: 91 Resp: 4066
Ion Ratio Lower Upper
91 100
106 32.7 24.6 37.0



#68
m/p-Xylenes
Concen: 0.67 ug/l
RT: 10.342 min Scan# 1518
Delta R.T. 0.001 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion: 106 Resp: 4118
Ion Ratio Lower Upper
106 100
91 198.7 162.8 244.2

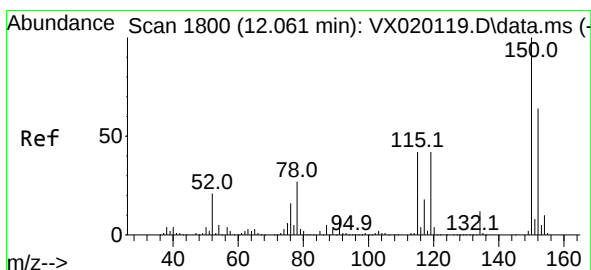
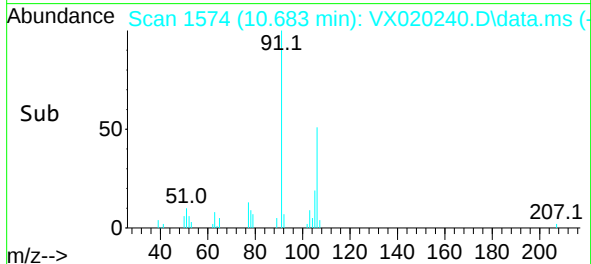
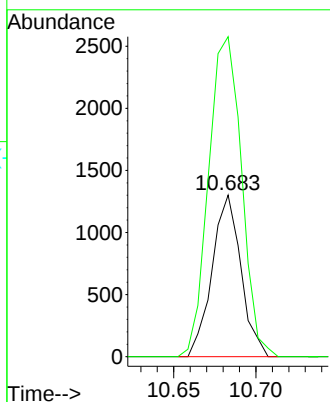
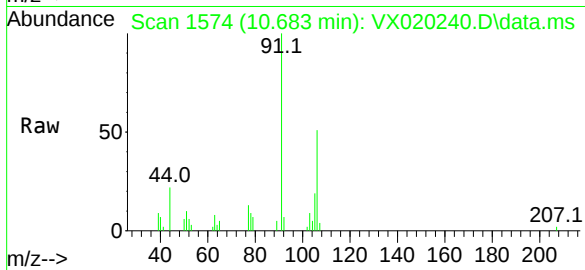




#69
o-Xylene
Concen: 0.27 ug/l
RT: 10.683 min Scan# 1574
Delta R.T. 0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

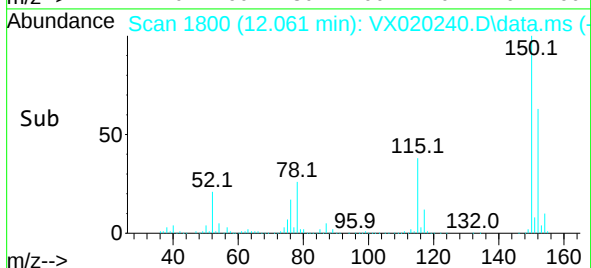
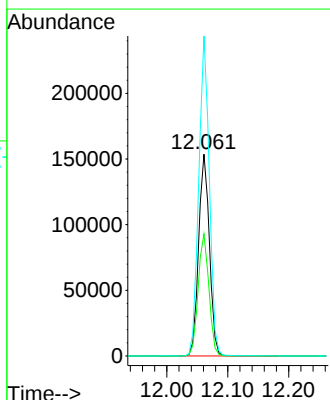
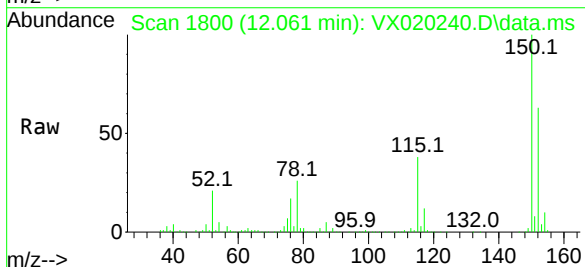
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

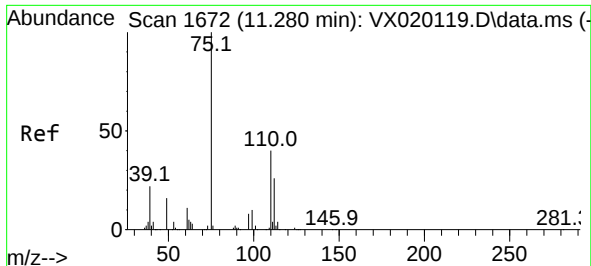
Tgt Ion:106 Resp: 1587
Ion Ratio Lower Upper
106 100
91 226.2 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion:152 Resp: 189124
Ion Ratio Lower Upper
152 100
115 60.1 41.1 123.3
150 155.5 0.0 349.0

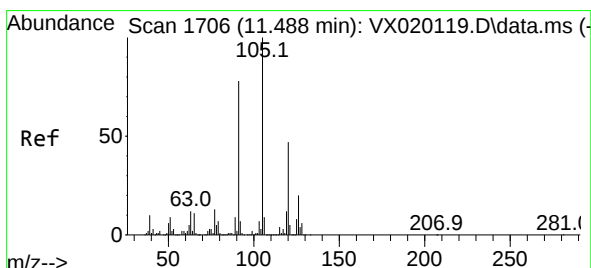
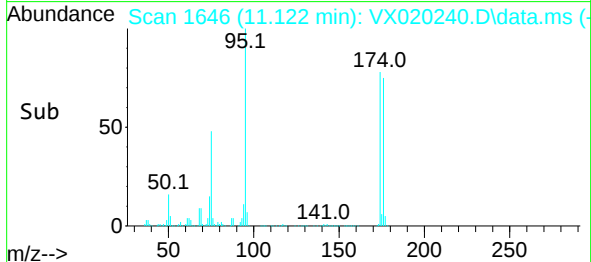
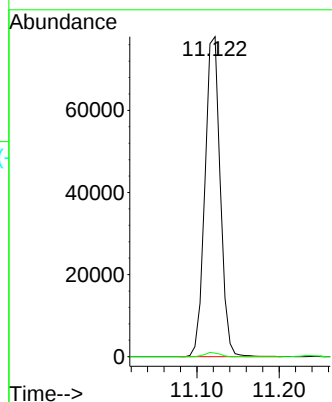
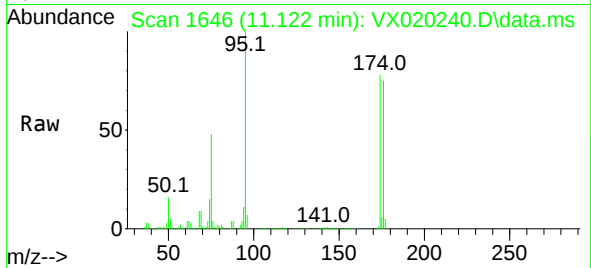




#76
1,2,3-Trichloropropane
Concen: 21.64 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

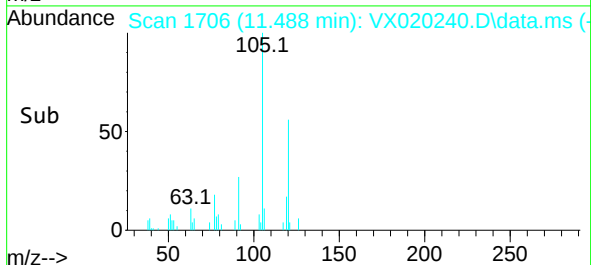
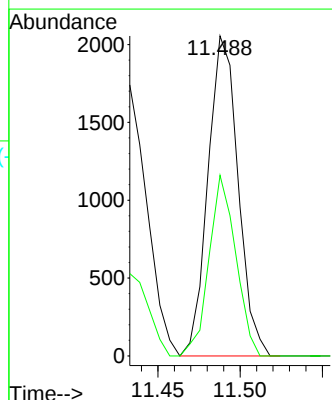
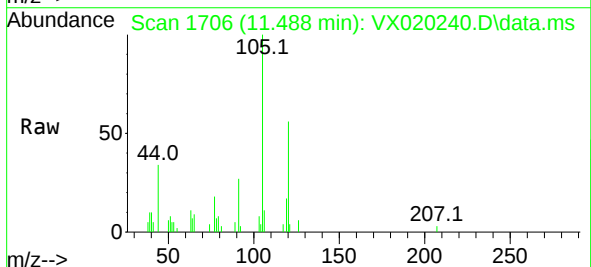
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

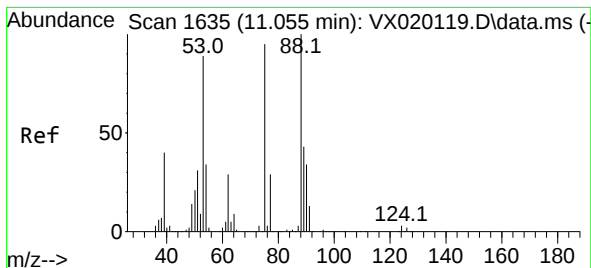
Tgt Ion: 75 Resp: 100798
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.23 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

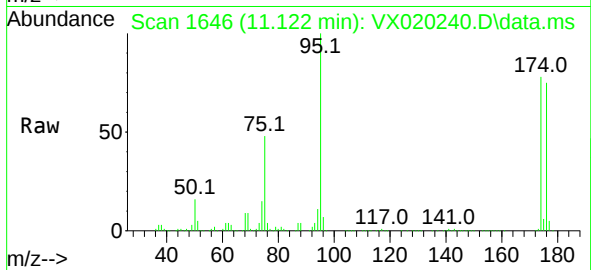
Tgt Ion: 105 Resp: 2617
Ion Ratio Lower Upper
105 100
120 50.1 23.8 71.5



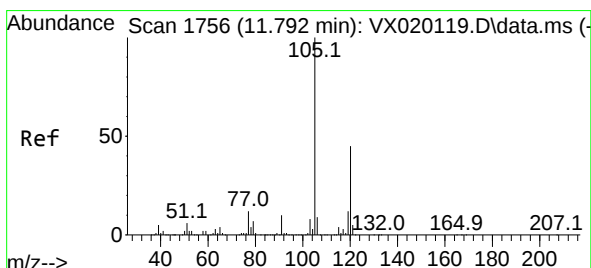
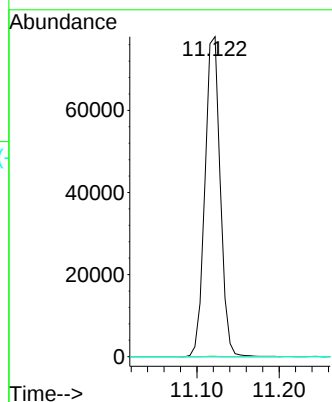
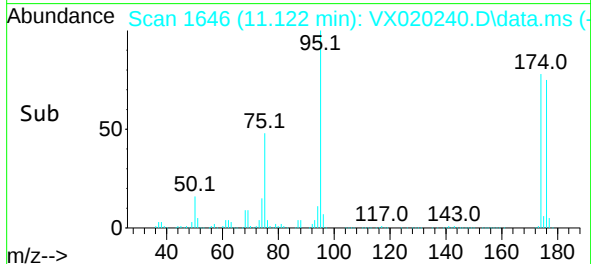


#81
trans-1,4-Dichloro-2-butene
Concen: 64.19 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

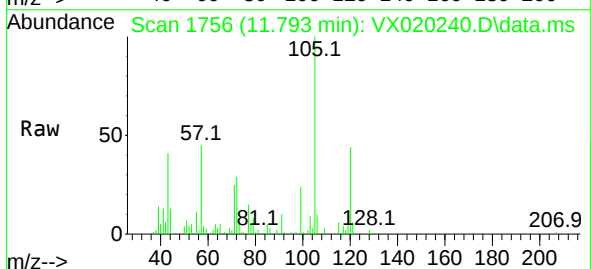
Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220



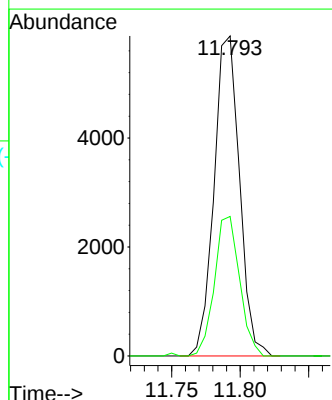
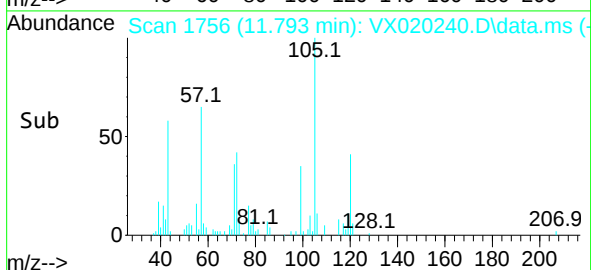
Tgt Ion: 75 Resp: 100798
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#

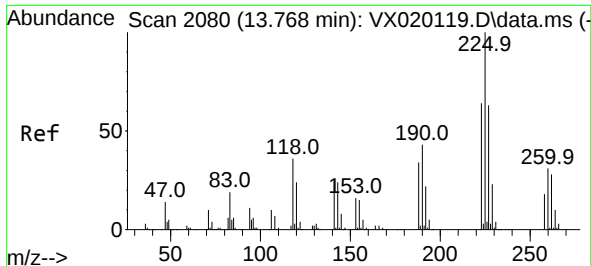


#84
1,2,4-Trimethylbenzene
Concen: 0.65 ug/l
RT: 11.793 min Scan# 1756
Delta R.T. 0.001 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22



Tgt Ion: 105 Resp: 7578
Ion Ratio Lower Upper
105 100
120 43.1 22.4 67.3

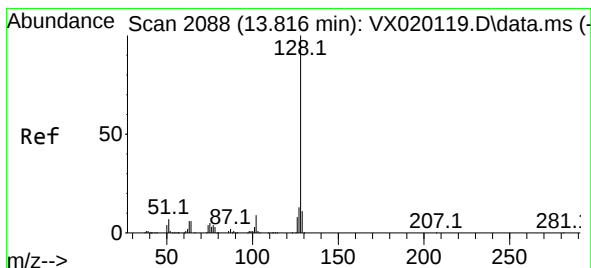
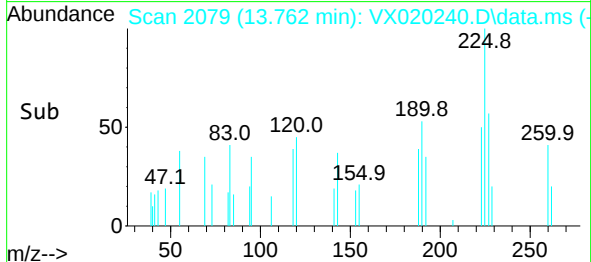
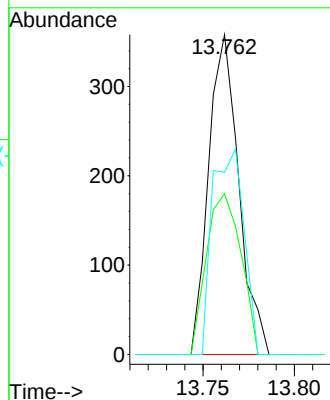
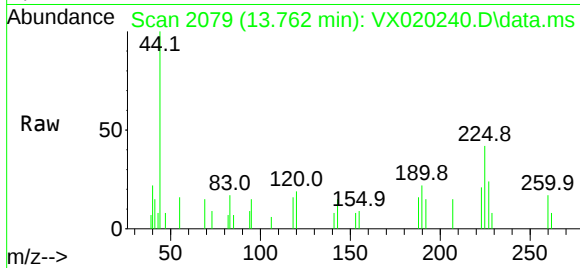




#94
Hexachlorobutadiene
Concen: 2.87 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. -0.006 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Instrument :
MSVOA_X
ClientSampleId :
49-MW027-121220

Tgt Ion:225 Resp: 411
Ion Ratio Lower Upper
225 100
223 57.7 31.1 93.2
227 66.9 31.6 95.0



#95
Naphthalene
Concen: 0.29 ug/l
RT: 13.817 min Scan# 2088
Delta R.T. 0.001 min
Lab File: VX020240.D
Acq: 21 Dec 2020 11:22

Tgt Ion:128 Resp: 3732
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 8.4 8.8 13.2#

