

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122820\
 Data File : VX020407.D
 Acq On : 28 Dec 2020 12:49
 Operator : JC/MD
 Sample : L5216-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 29 00:38:42 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)

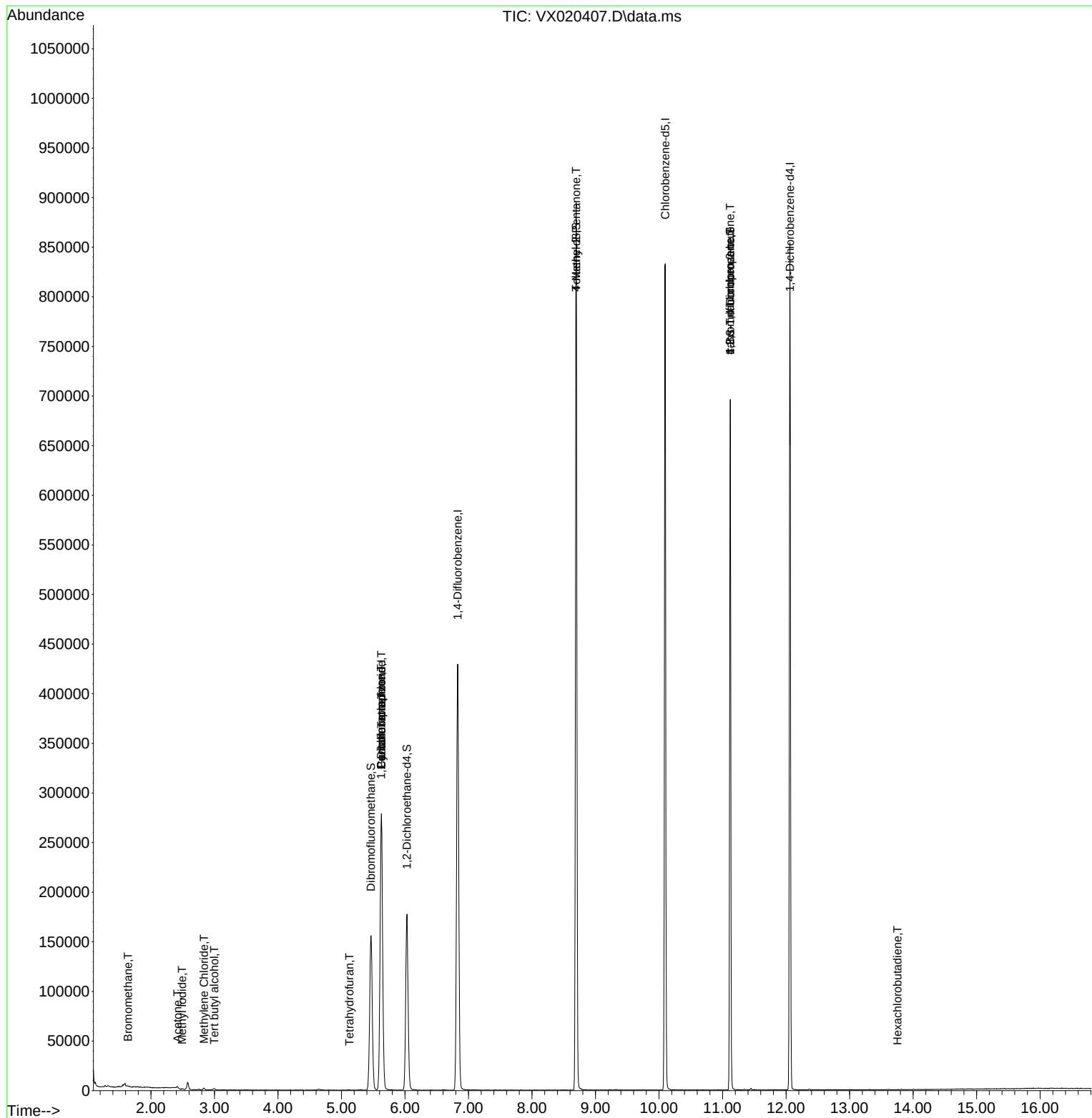
Internal Standards						
1) Pentafluorobenzene	5.629	168	270585	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.830	114	440068	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.098	117	409861	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	176764	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	165035	45.50	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	91.00%		
35) Dibromofluoromethane	5.464	113	137769	48.94	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.88%		
50) Toluene-d8	8.695	98	539629	49.80	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.60%		
62) 4-Bromofluorobenzene	11.122	95	190808	46.01	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	92.02%		
Target Compounds						Qvalue
5) Bromomethane	1.636	94	527	0.44	ug/l	90
10) Methyl Iodide	2.489	142	560	3.43	ug/l #	75
11) Tert butyl alcohol	2.995	59	1038	1.28	ug/l #	73
16) Acetone	2.416	43	2266	1.37	ug/l #	84
20) Methylene Chloride	2.837	84	756	0.20	ug/l #	90
29) Tetrahydrofuran	5.123	42	413	0.27	ug/l #	27
31) Cyclohexane	5.629	56	4906	0.98	ug/l #	1
36) 1,1-Dichloropropene	5.623	75	20155	4.63	ug/l #	48
38) Carbon Tetrachloride	5.629	117	26171	6.33	ug/l #	17
51) 4-Methyl-2-Pentanone	8.695	43	2052	0.46	ug/l #	1
76) 1,2,3-Trichloropropane	11.122	75	89549	20.57	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.122	75	89549	61.02	ug/l #	12
94) Hexachlorobutadiene	13.756	225	80	2.69	ug/l #	19

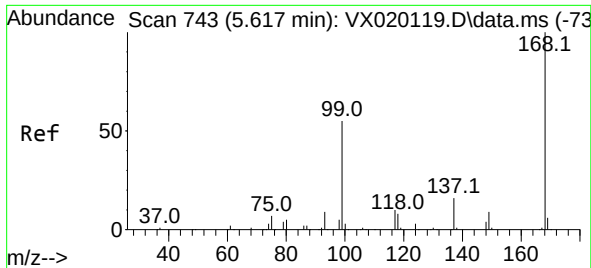
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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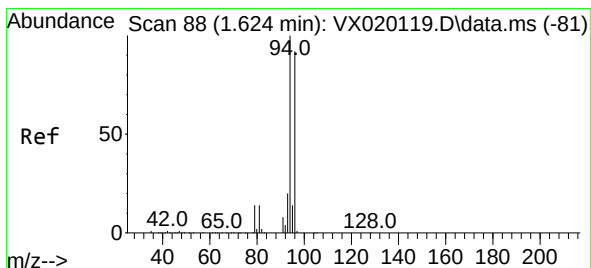
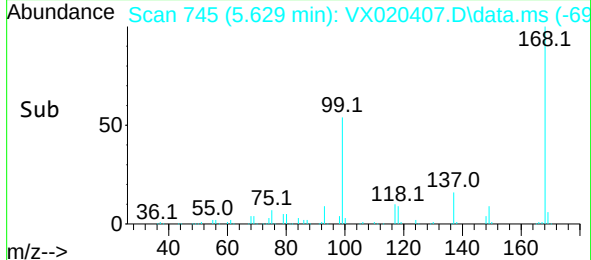
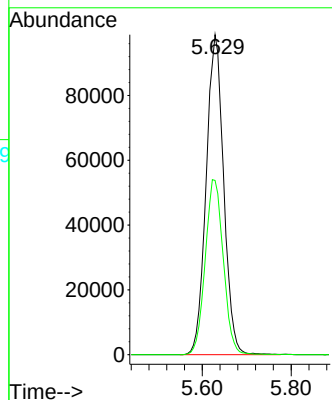
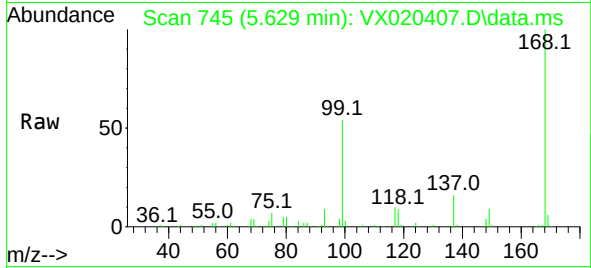




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.012 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

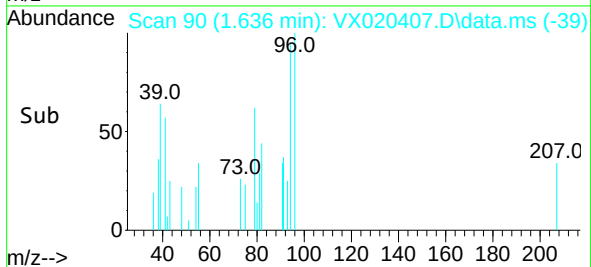
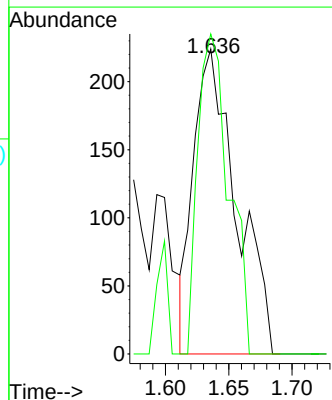
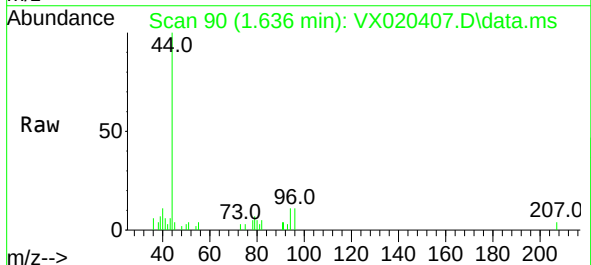
Instrument :
MSVOA_X
ClientSampleId :

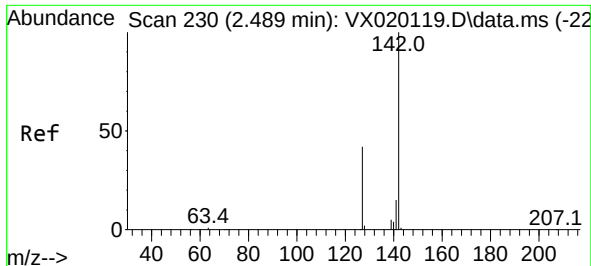
Tgt Ion:168 Resp: 270585
Ion Ratio Lower Upper
168 100
99 54.5 45.8 68.6



#5
Bromomethane
Concen: 0.44 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

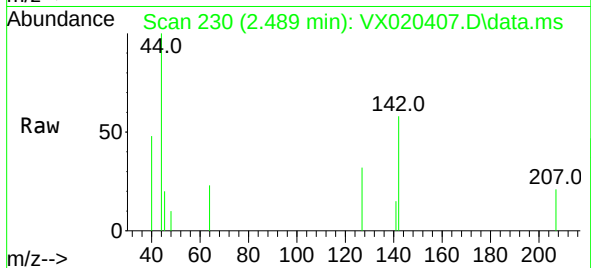
Tgt Ion: 94 Resp: 527
Ion Ratio Lower Upper
94 100
96 104.9 76.4 114.6



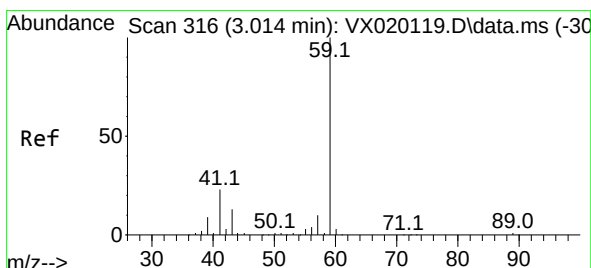
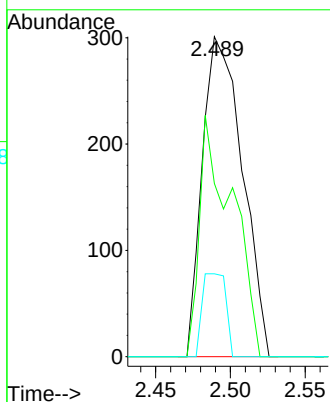
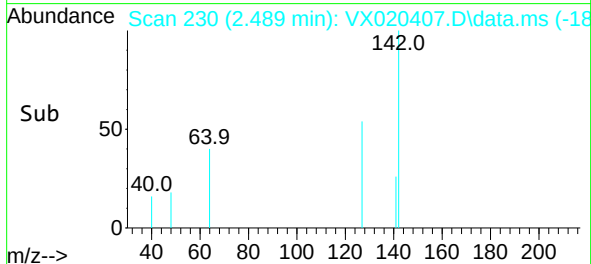


#10
Methyl Iodide
Concen: 3.43 ug/l
RT: 2.489 min Scan# 230
Delta R.T. 0.000 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

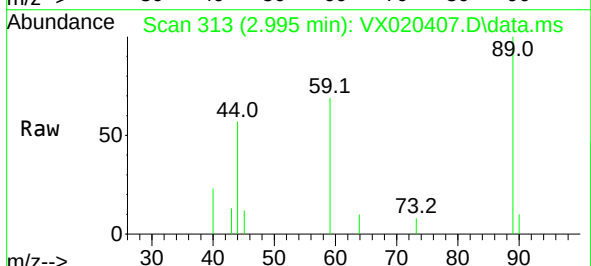
Instrument :
MSVOA_X
ClientSampled :



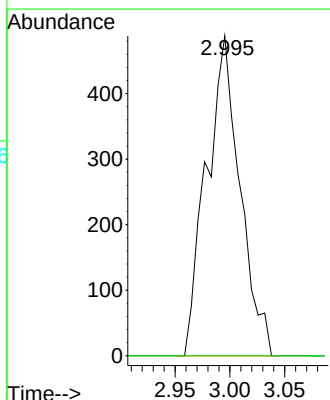
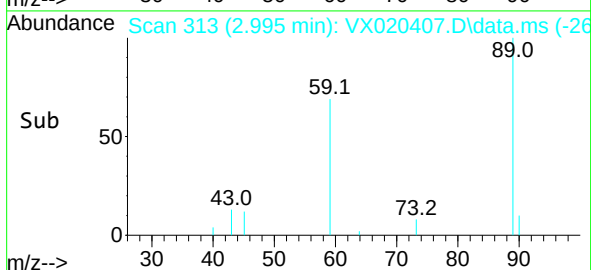
Tgt Ion:142 Resp: 560
Ion Ratio Lower Upper
142 100
127 62.0 33.3 49.9#
141 15.2 11.4 17.0

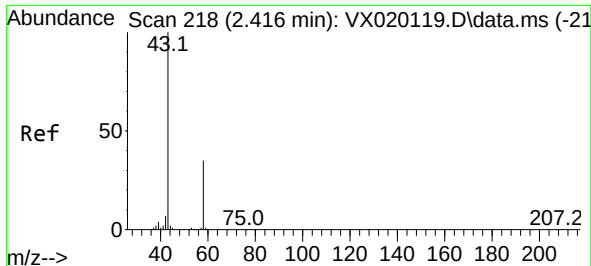


#11
Tert butyl alcohol
Concen: 1.28 ug/l
RT: 2.995 min Scan# 313
Delta R.T. -0.019 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49



Tgt Ion: 59 Resp: 1038
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

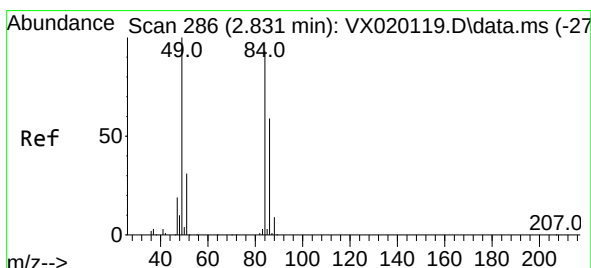
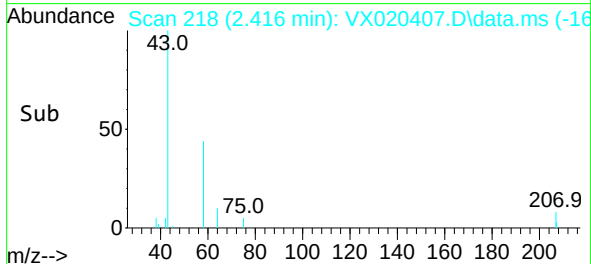
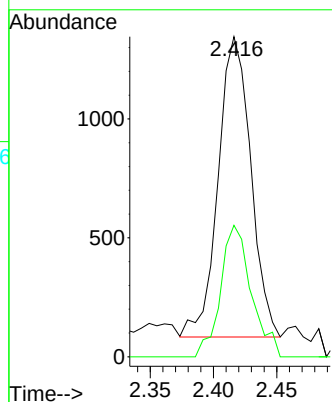
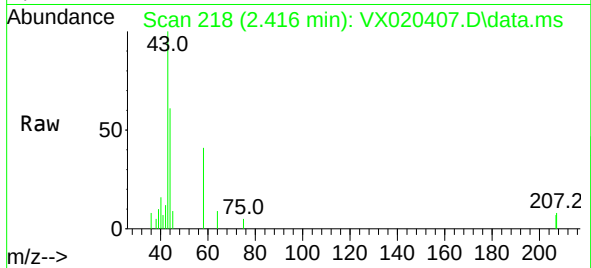




#16
Acetone
Concen: 1.37 ug/l
RT: 2.416 min Scan# 218
Delta R.T. 0.000 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

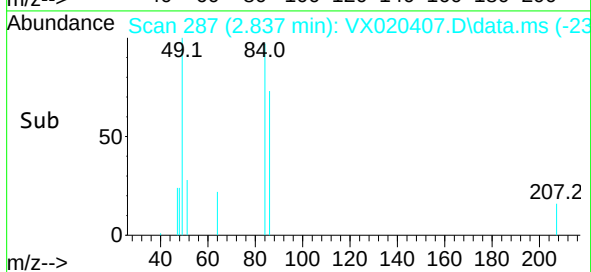
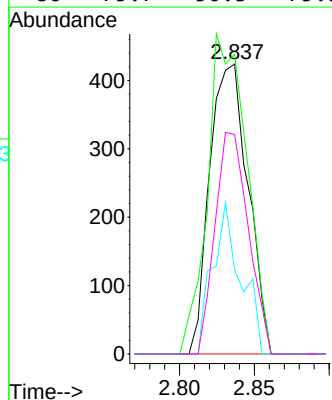
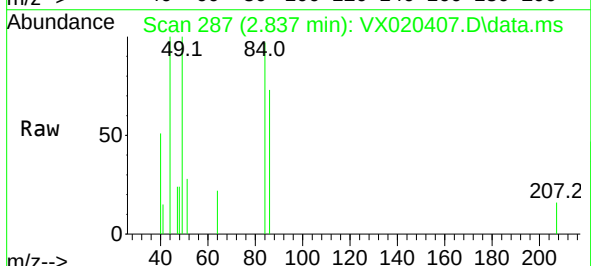
Instrument :
MSVOA_X
ClientSampled :

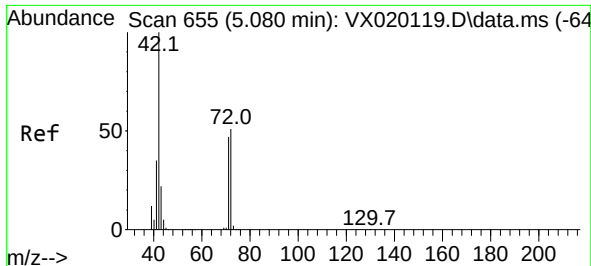
Tgt Ion: 43 Resp: 2266
Ion Ratio Lower Upper
43 100
58 43.8 27.8 41.8#



#20
Methylene Chloride
Concen: 0.20 ug/l
RT: 2.837 min Scan# 287
Delta R.T. 0.006 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

Tgt Ion: 84 Resp: 756
Ion Ratio Lower Upper
84 100
49 103.3 88.6 132.8
51 29.0 27.0 40.6
86 75.7 50.3 75.5#





#29

Tetrahydrofuran

Concen: 0.27 ug/l

RT: 5.123 min Scan# 662

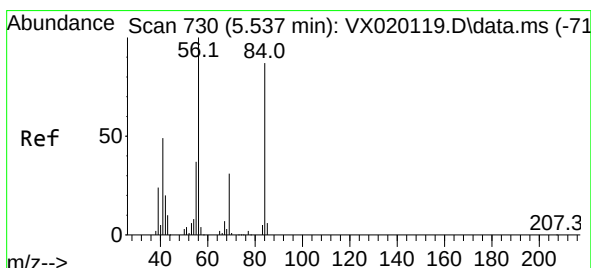
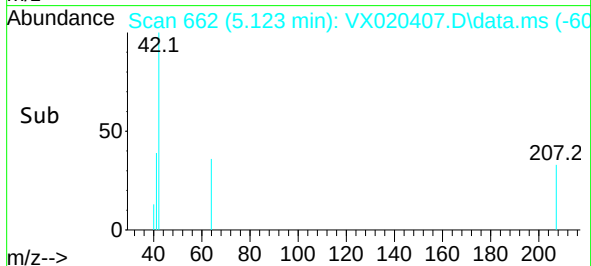
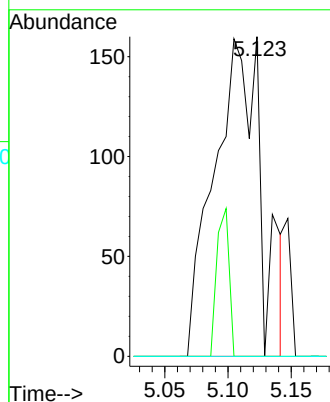
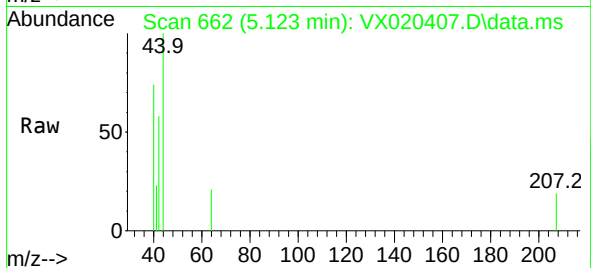
Delta R.T. 0.043 min

Lab File: VX020407.D

Acq: 28 Dec 2020 12:49

Tgt Ion:	42	Resp:	413
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#31

Cyclohexane

Concen: 0.98 ug/l

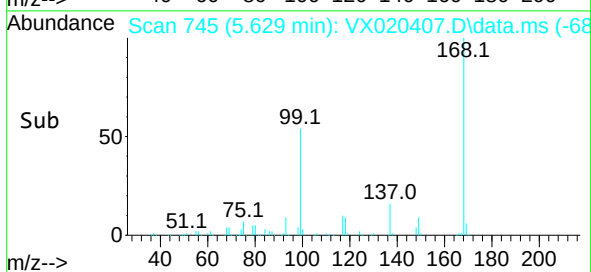
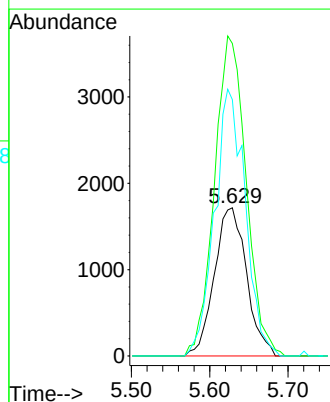
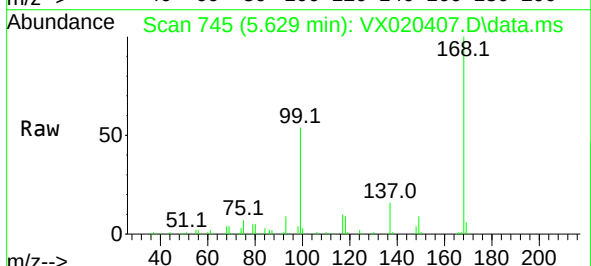
RT: 5.629 min Scan# 745

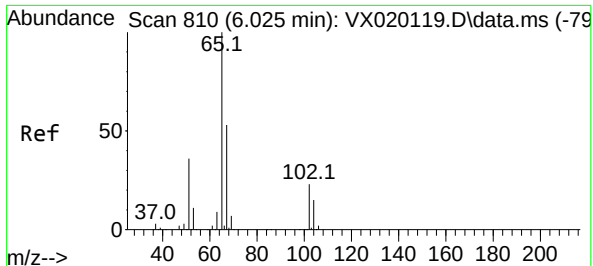
Delta R.T. 0.092 min

Lab File: VX020407.D

Acq: 28 Dec 2020 12:49

Tgt Ion:	56	Resp:	4906
Ion	Ratio	Lower	Upper
56	100		
69	210.8	25.3	37.9#
84	173.0	71.4	107.0#





#33

1,2-Dichloroethane-d4

Concen: 45.50 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.006 min

Lab File: VX020407.D

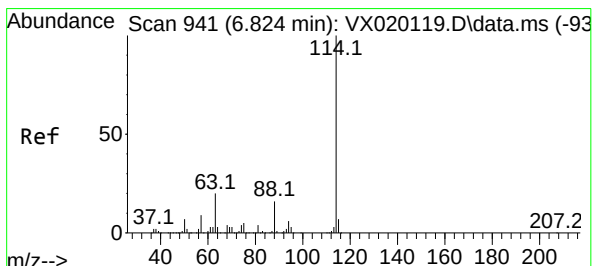
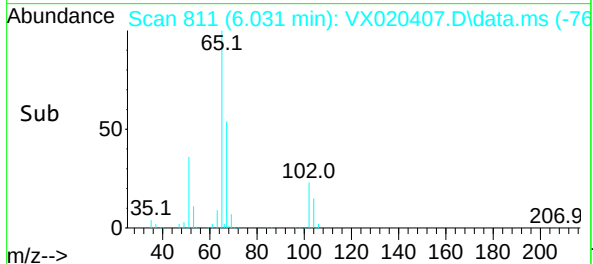
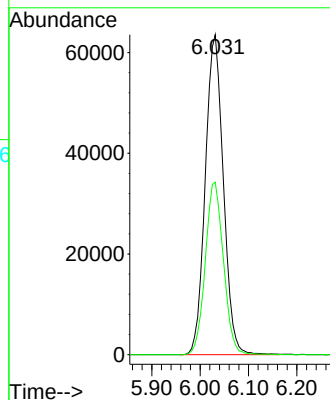
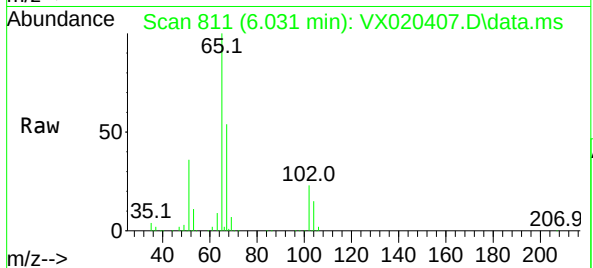
Acq: 28 Dec 2020 12:49

Tgt Ion: 65 Resp: 165035

Ion Ratio Lower Upper

65 100

67 54.2 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: VX020407.D

Acq: 28 Dec 2020 12:49

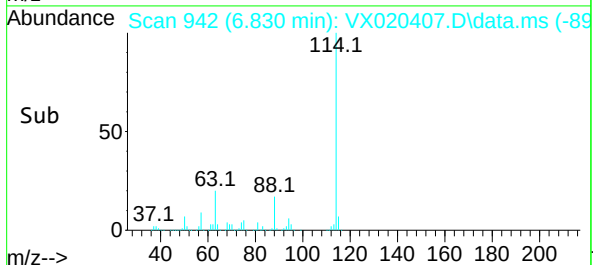
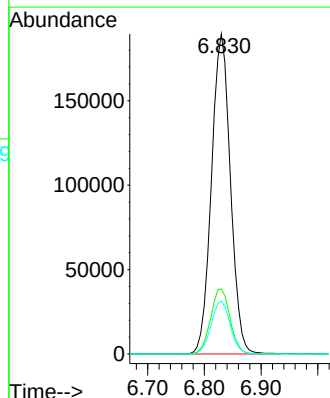
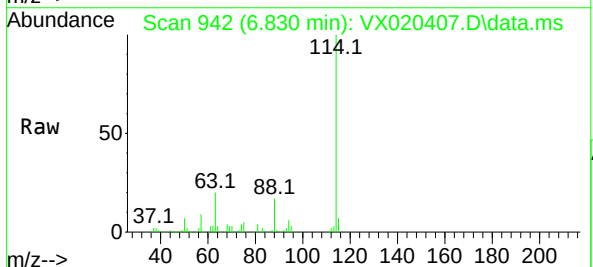
Tgt Ion: 114 Resp: 440068

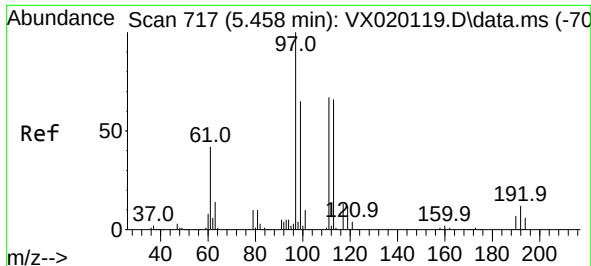
Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 16.5 0.0 32.8

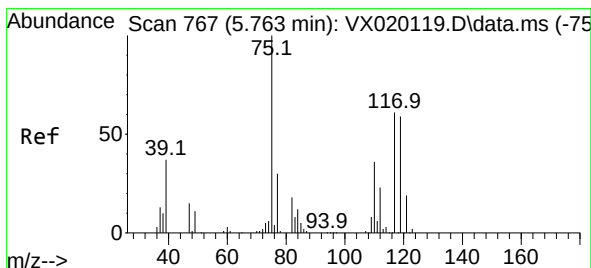
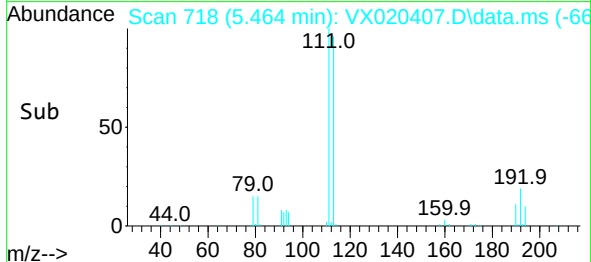
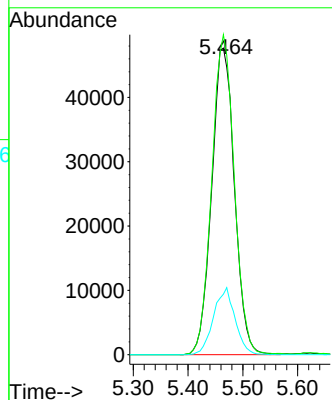
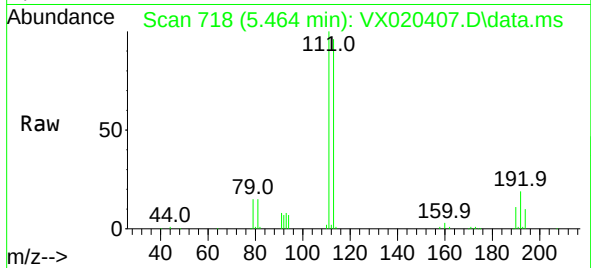




#35
Dibromofluoromethane
Concen: 48.94 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

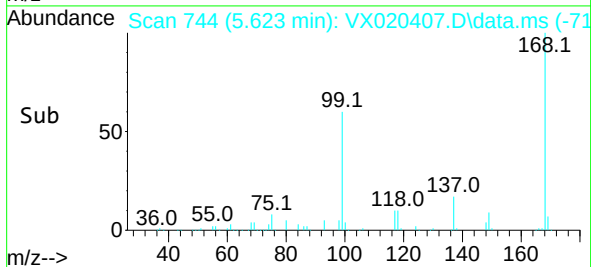
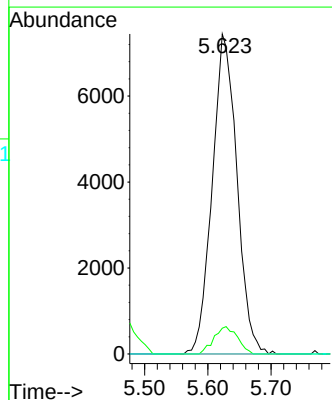
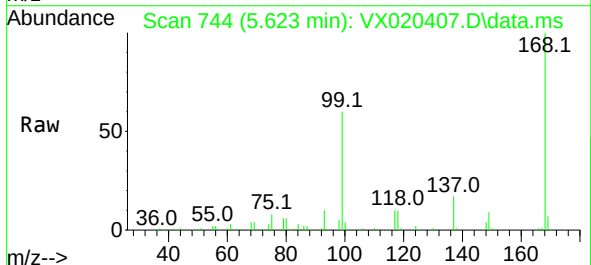
Instrument :
MSVOA_X
ClientSampled :

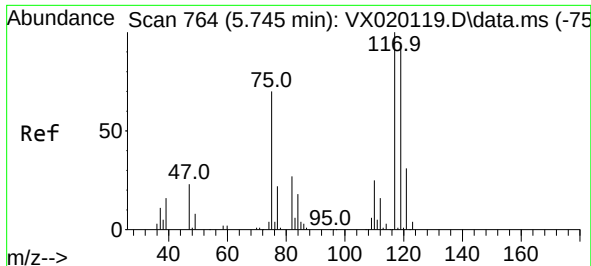
Tgt Ion:113 Resp: 137769
Ion Ratio Lower Upper
113 100
111 103.1 81.9 122.9
192 20.6 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.63 ug/l
RT: 5.623 min Scan# 744
Delta R.T. -0.140 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

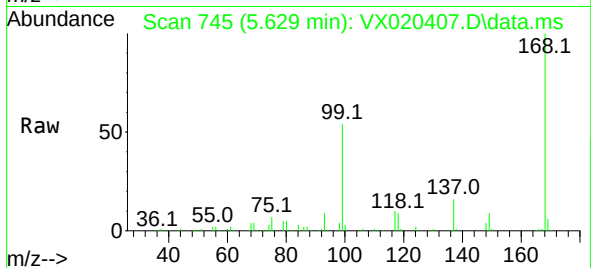
Tgt Ion: 75 Resp: 20155
Ion Ratio Lower Upper
75 100
110 8.1 18.1 54.4#
77 0.0 25.3 37.9#



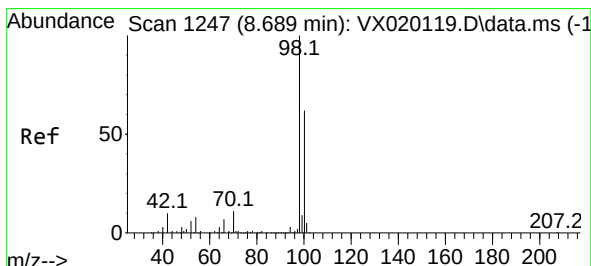
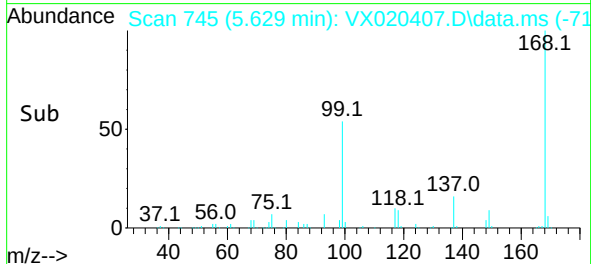
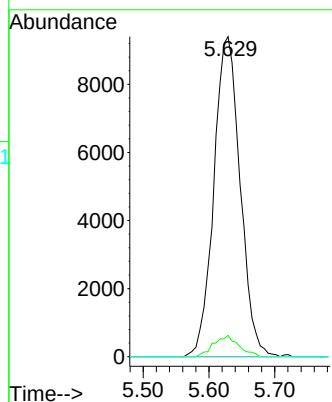


#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.116 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

Instrument :
MSVOA_X
ClientSampleId :

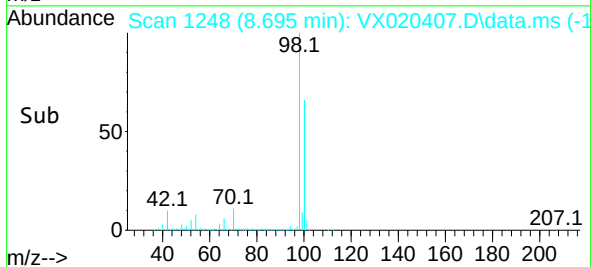
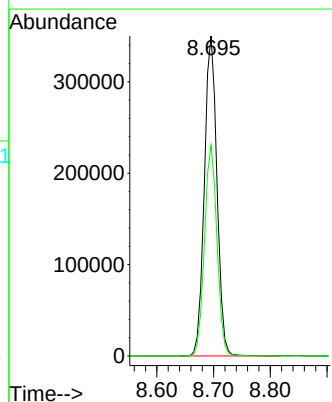
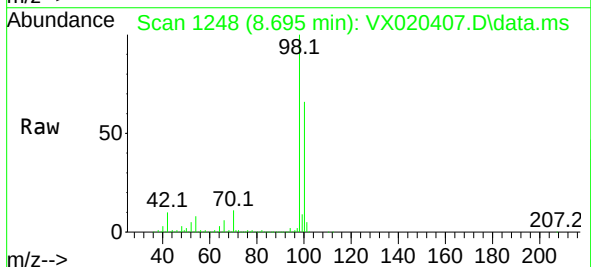


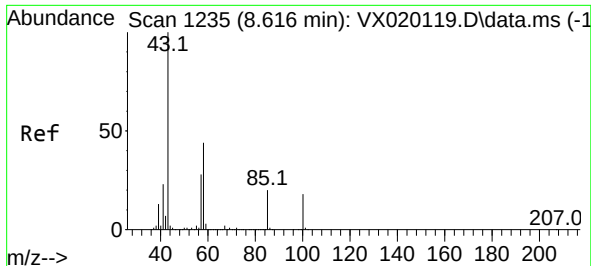
Tgt Ion:117 Resp: 26171
Ion Ratio Lower Upper
117 100
119 6.7 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.80 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.006 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

Tgt Ion: 98 Resp: 539629
Ion Ratio Lower Upper
98 100
100 65.4 51.9 77.9

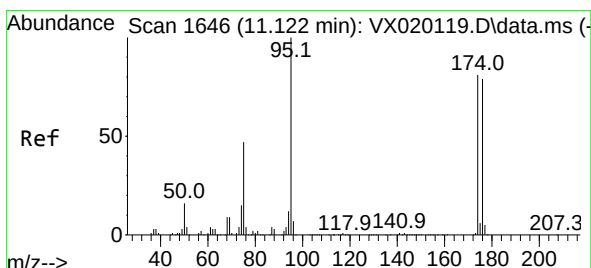
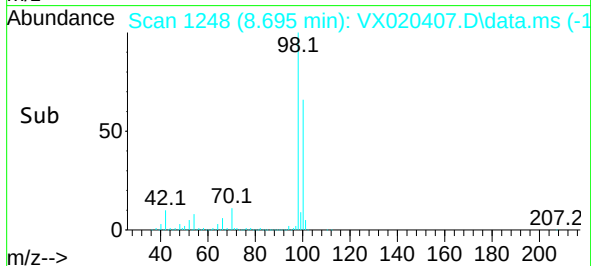
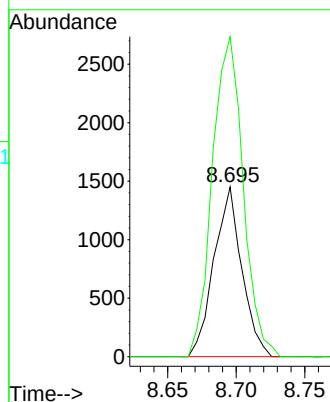
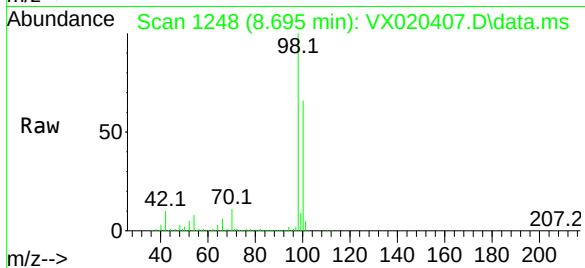




#51
4-Methyl-2-Pentanone
Concen: 0.46 ug/l
RT: 8.695 min Scan# 1248
Delta R.T. 0.079 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

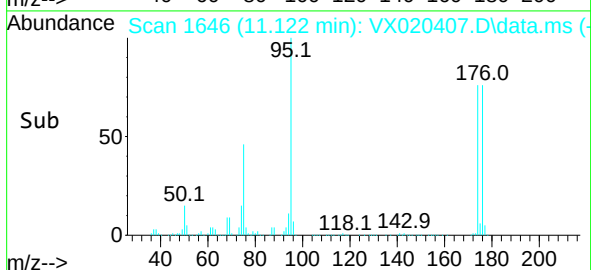
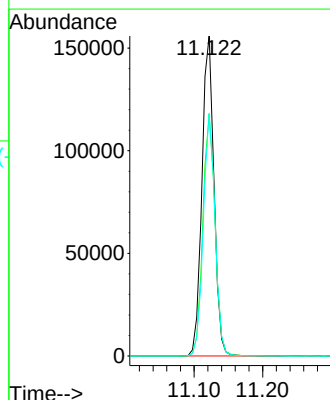
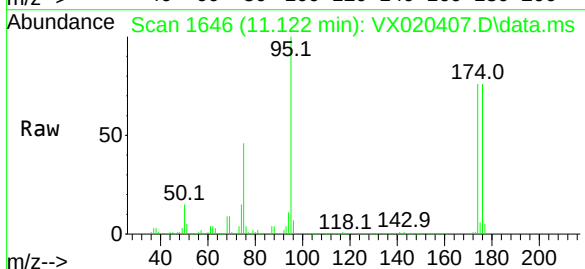
Instrument :
MSVOA_X
ClientSampled :

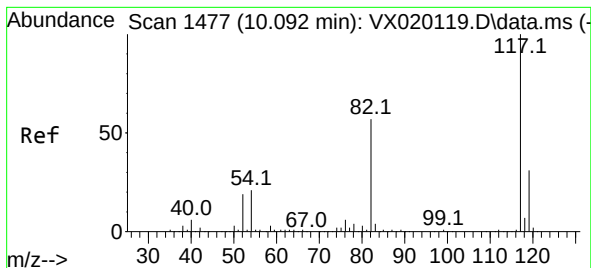
Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
58 207.9 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 46.01 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.000 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

Tgt Ion: 95 Resp: 190808
Ion Ratio Lower Upper
95 100
174 76.4 0.0 154.6
176 74.2 0.0 155.8

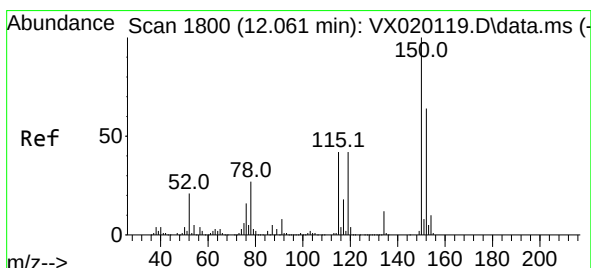
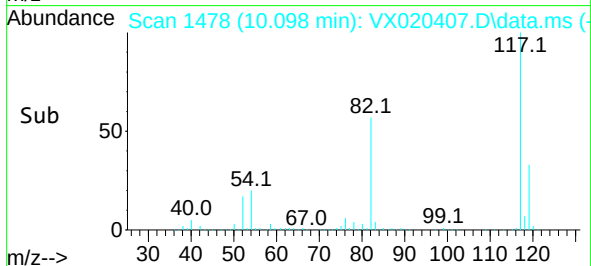
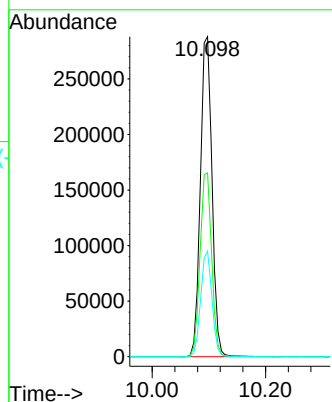
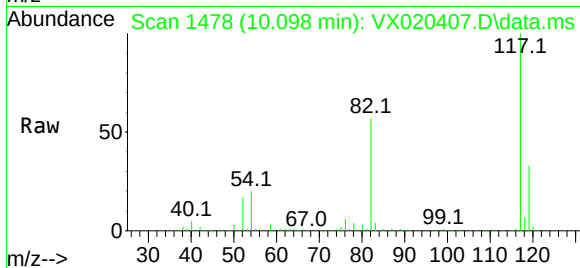




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.098 min Scan# 1478
Delta R.T. 0.006 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

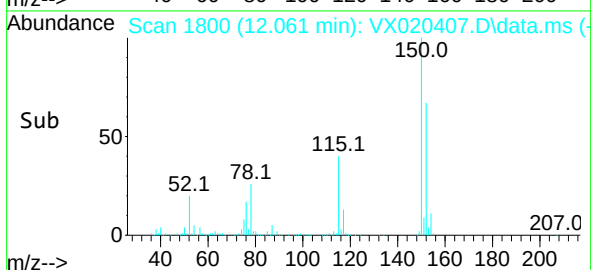
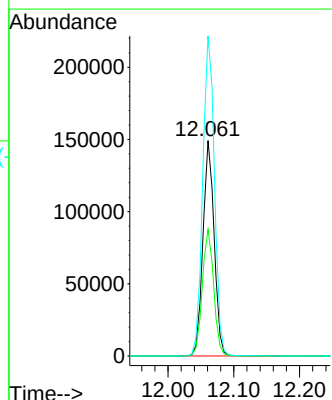
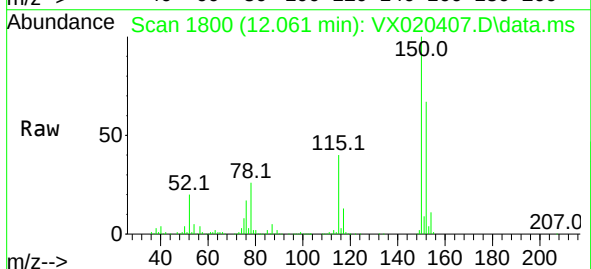
Instrument :
MSVOA_X
ClientSampled :

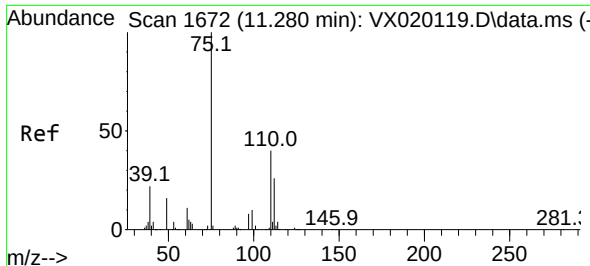
Tgt Ion:117 Resp: 409861
Ion Ratio Lower Upper
117 100
82 57.4 47.4 71.2
119 32.9 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

Tgt Ion:152 Resp: 176764
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 154.9 0.0 349.0

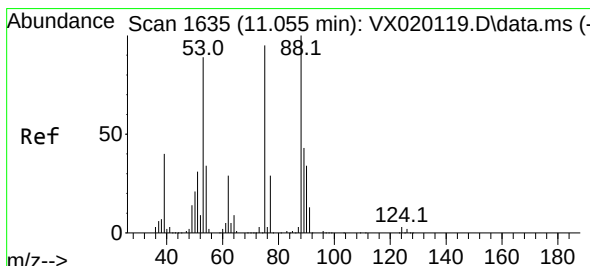
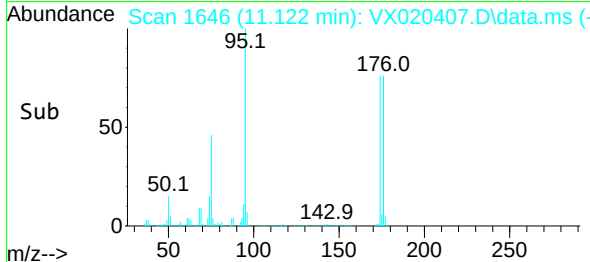
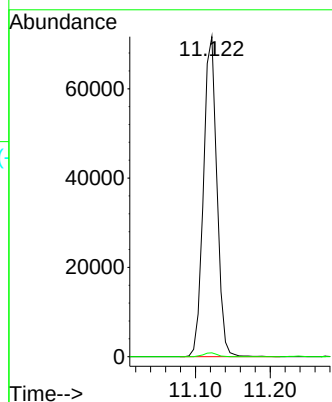
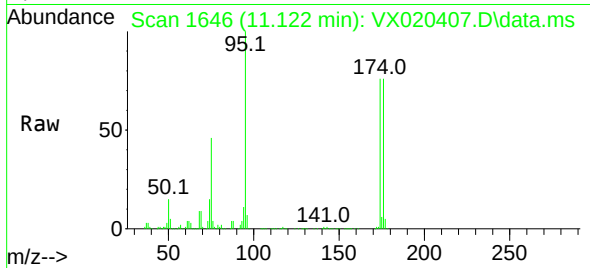




#76
1,2,3-Trichloropropane
Concen: 20.57 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. -0.158 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

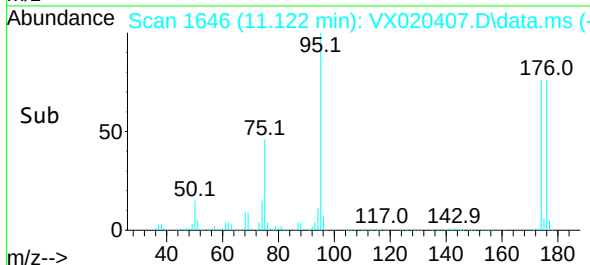
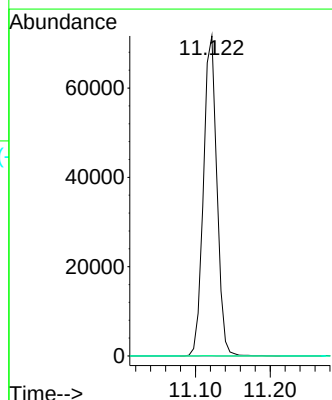
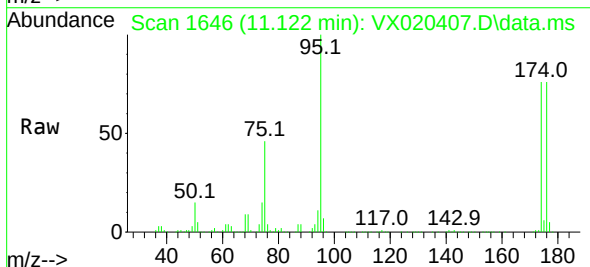
Instrument :
MSVOA_X
ClientSampleId :

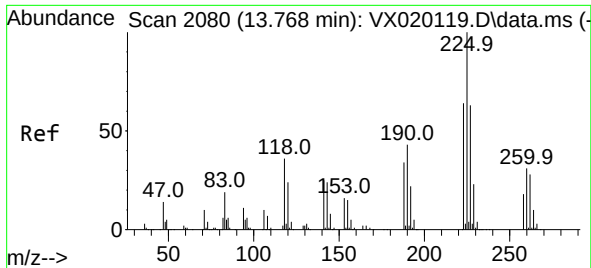
Tgt Ion: 75 Resp: 89549
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 61.02 ug/l
RT: 11.122 min Scan# 1646
Delta R.T. 0.067 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

Tgt Ion: 75 Resp: 89549
Ion Ratio Lower Upper
75 100
53 0.1 74.5 111.7#
89 0.0 37.9 56.9#





#94
Hexachlorobutadiene
Concen: 2.69 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.012 min
Lab File: VX020407.D
Acq: 28 Dec 2020 12:49

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:225 Resp: 80
Ion Ratio Lower Upper
225 100
223 0.0 31.1 93.2#
227 0.0 31.6 95.0#

