

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042221\
 Data File : VX021816.D
 Acq On : 22 Apr 2021 15:03
 Operator : JC/MD
 Sample : M2114-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 23 07:42:48 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042021W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 20 13:46:22 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

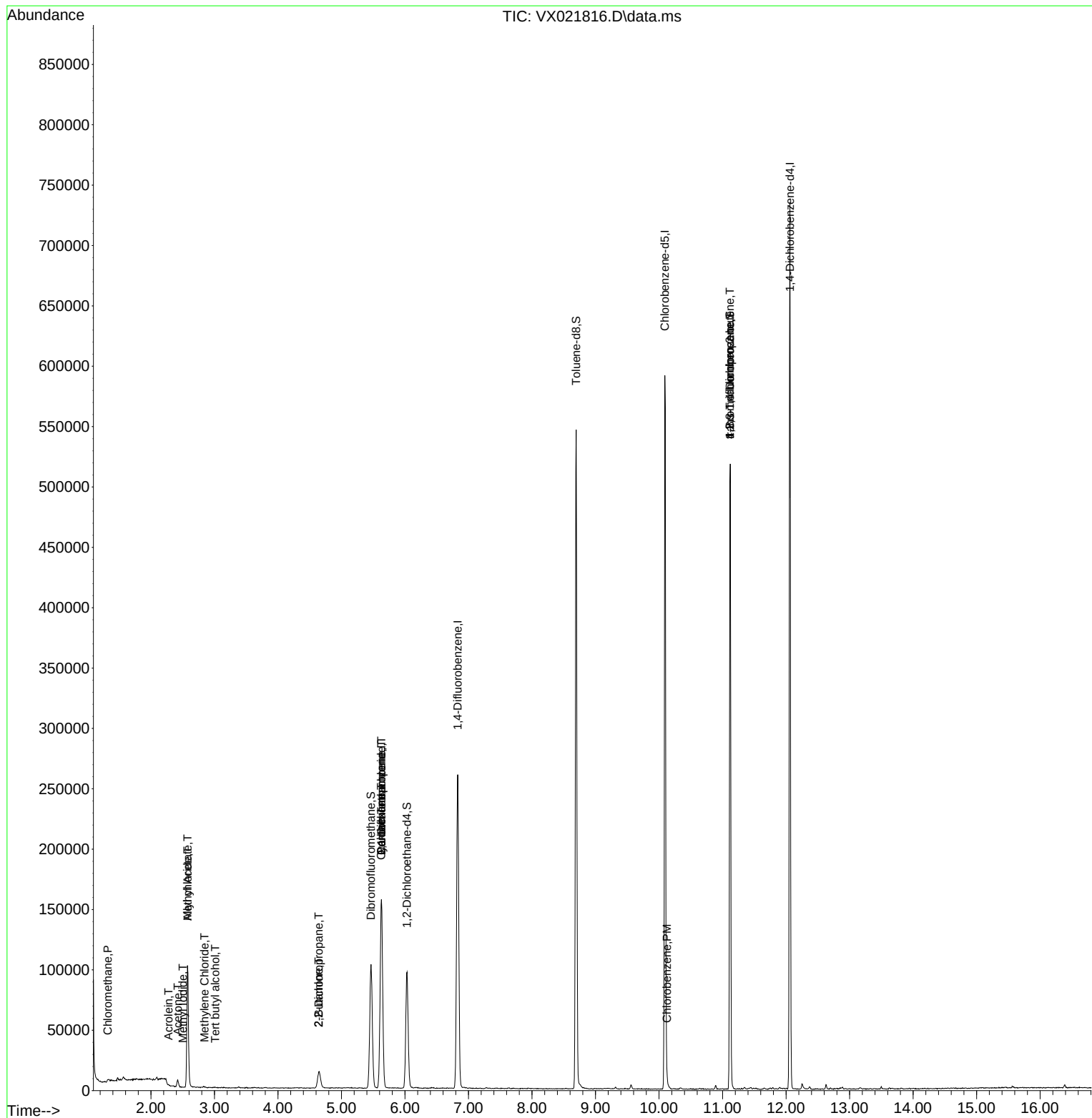
Internal Standards						
1) Pentafluorobenzene	5.629	168	157299	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	283540	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	299762	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	155407	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	91606	51.34	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.68%	
35) Dibromofluoromethane	5.464	113	91641	50.54	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.08%	
50) Toluene-d8	8.696	98	348692	50.01	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.02%	
62) 4-Bromofluorobenzene	11.116	95	150030	57.62	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 115.24%	
Target Compounds						
						Qvalue
3) Chloromethane	1.319	50	1040	0.82	ug/l	98
10) Methyl Iodide	2.502	142	25	8.16	ug/l #	42
11) Tert butyl alcohol	3.014	59	257	0.66	ug/l #	75
13) Acrolein	2.276	56	410	1.30	ug/l #	14
14) Allyl chloride	2.575	41	8976	3.85	ug/l #	66
16) Acetone	2.422	43	6195	10.10	ug/l	96
18) Methyl Acetate	2.575	43	22626	13.59	ug/l #	47
20) Methylene Chloride	2.843	84	414	0.23	ug/l #	77
25) 2-Butanone	4.641	43	3268	3.15	ug/l #	81
26) 2,2-Dichloropropane	4.641	77	1185	0.44	ug/l #	52
31) Cyclohexane	5.623	56	2704	1.08	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	10641	4.25	ug/l #	50
38) Carbon Tetrachloride	5.629	117	14949	5.45	ug/l #	16
65) Chlorobenzene	10.122	112	2121	0.34	ug/l	94
76) 1,2,3-Trichloropropane	11.116	75	67506	21.90	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.116	75	67506	50.37	ug/l #	12

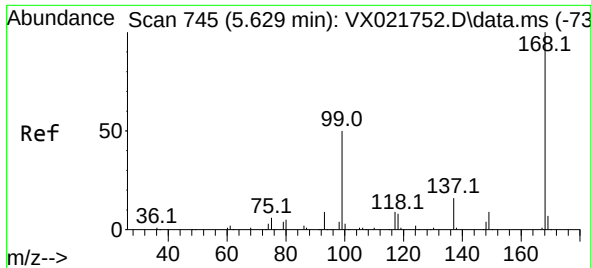
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

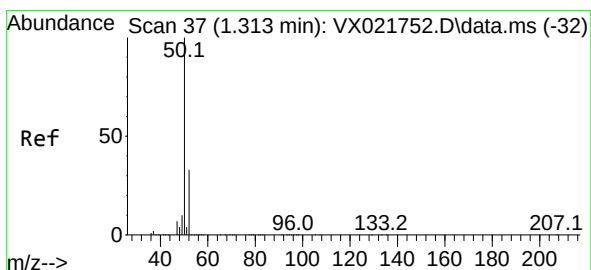
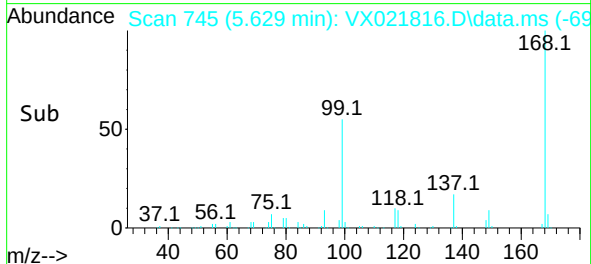
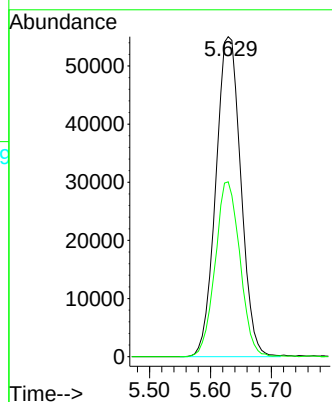
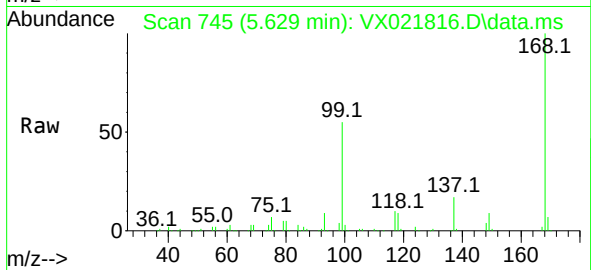




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

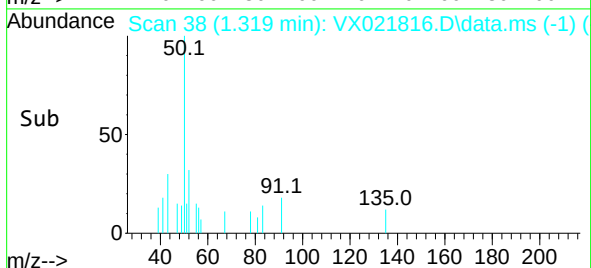
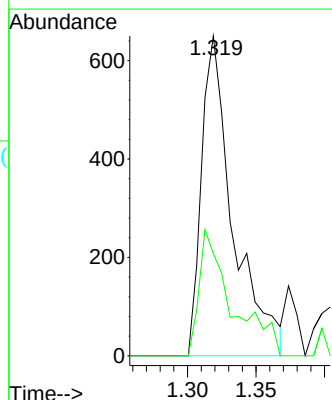
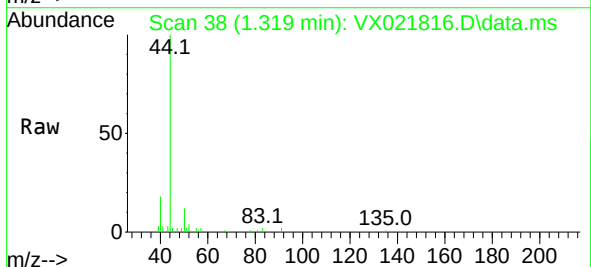
Instrument :
MSVOA_X
ClientSampleId :

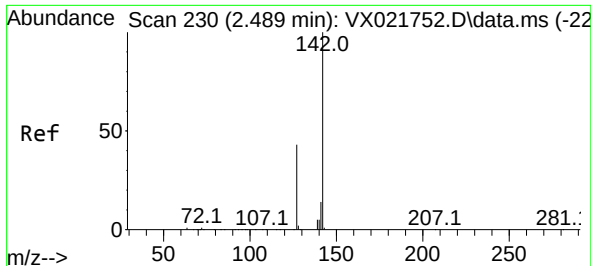
Tgt Ion:168 Resp: 157299
Ion Ratio Lower Upper
168 100
99 54.7 45.8 68.6



#3
Chloromethane
Concen: 0.82 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

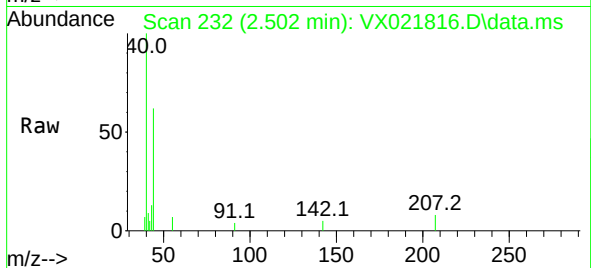
Tgt Ion: 50 Resp: 1040
Ion Ratio Lower Upper
50 100
52 32.0 26.4 39.6



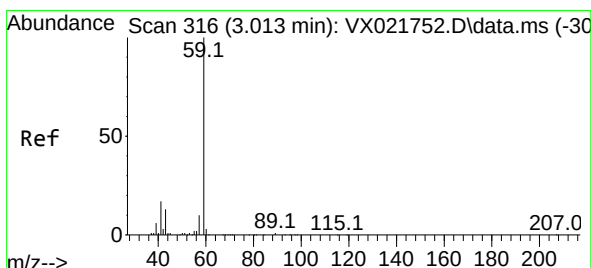
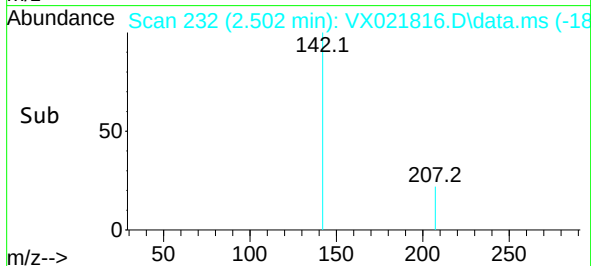
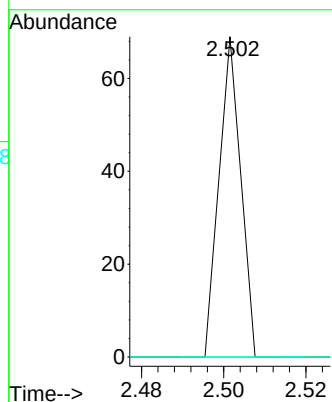


#10
Methyl Iodide
Concen: 8.16 ug/l
RT: 2.502 min Scan# 232
Delta R.T. 0.013 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Instrument :
MSVOA_X
ClientSampled :

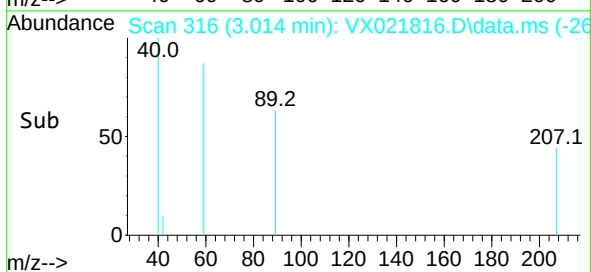
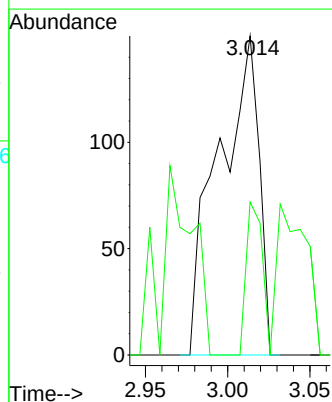
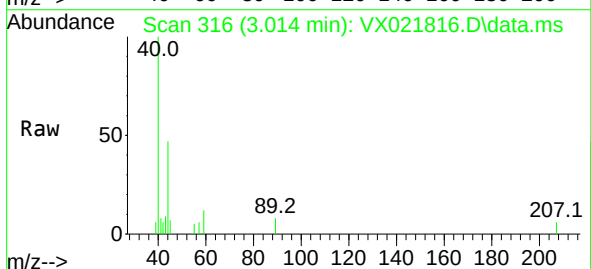


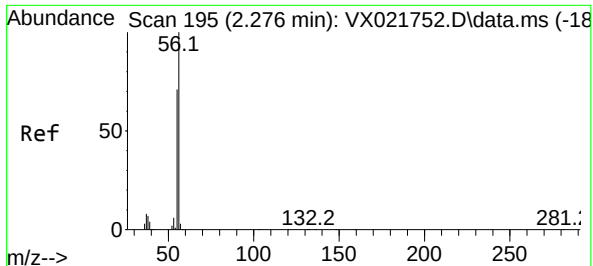
Tgt Ion:142 Resp: 25
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.66 ug/l
RT: 3.014 min Scan# 316
Delta R.T. 0.001 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Tgt Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 19.1 7.8 11.8#

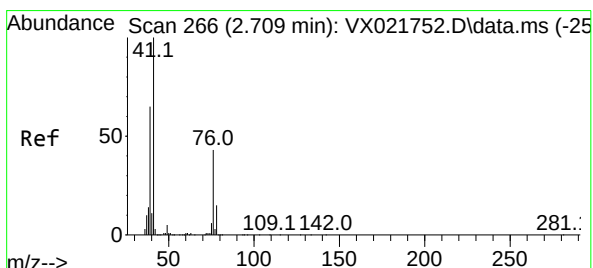
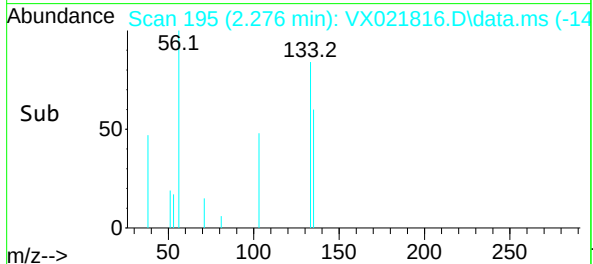
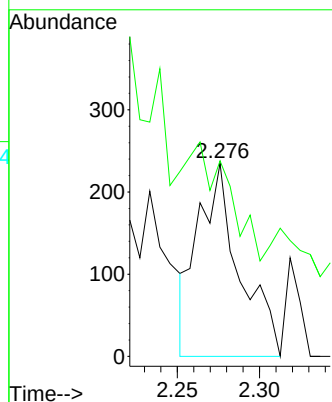
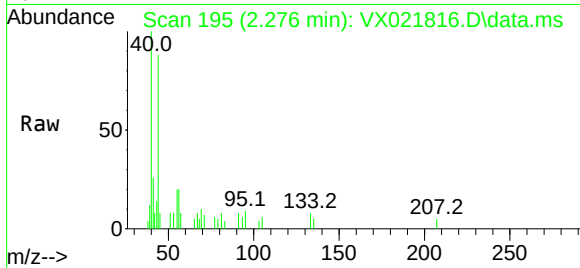




#13
Acrolein
Concen: 1.30 ug/l
RT: 2.276 min Scan# 195
Delta R.T. -0.000 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

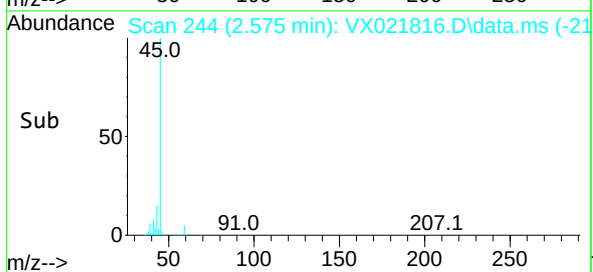
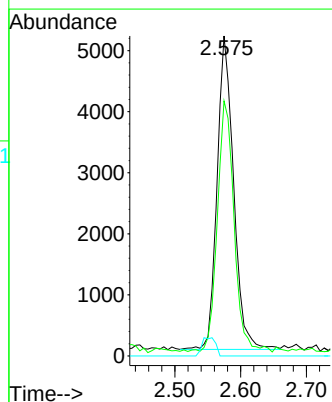
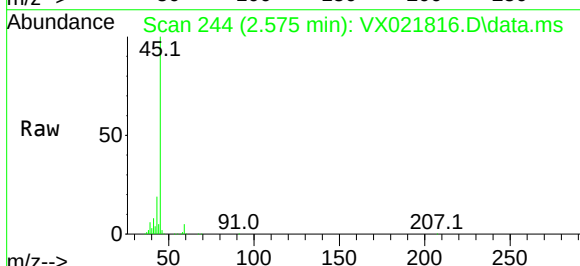
Instrument :
MSVOA_X
ClientSampleId :

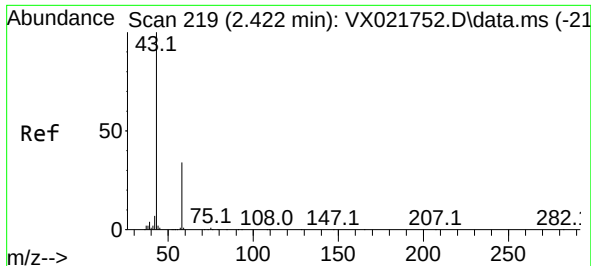
Tgt Ion: 56 Resp: 410
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 3.85 ug/l
RT: 2.575 min Scan# 244
Delta R.T. -0.134 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Tgt Ion: 41 Resp: 8976
Ion Ratio Lower Upper
41 100
39 81.1 51.6 77.4#
76 4.8 30.5 45.7#

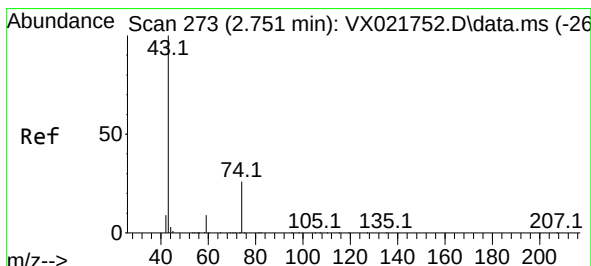
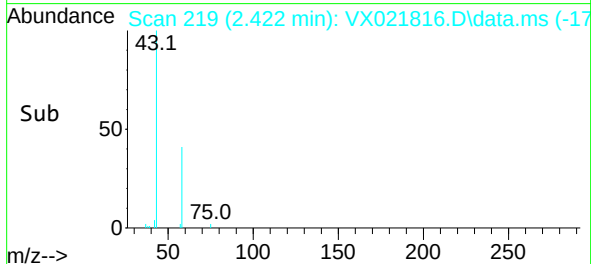
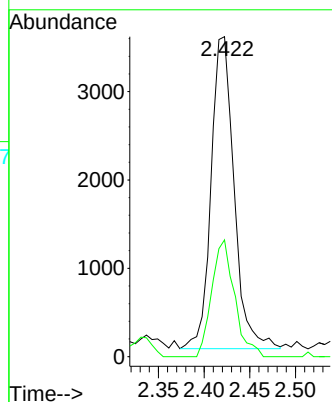
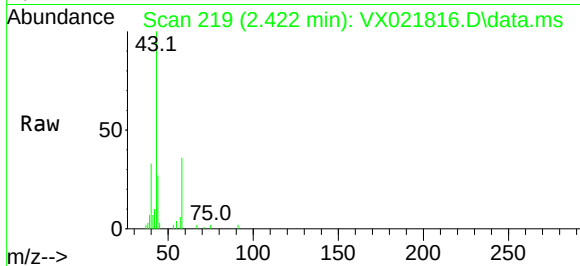




#16
Acetone
Concen: 10.10 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

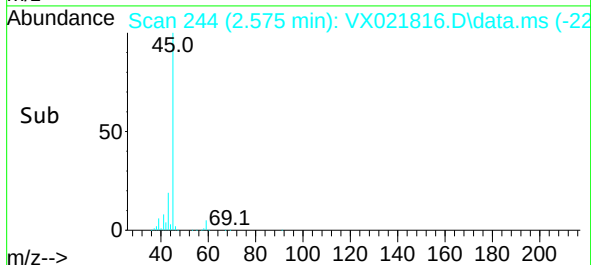
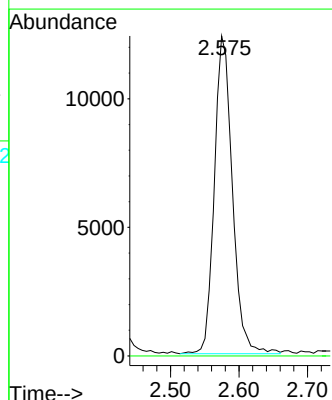
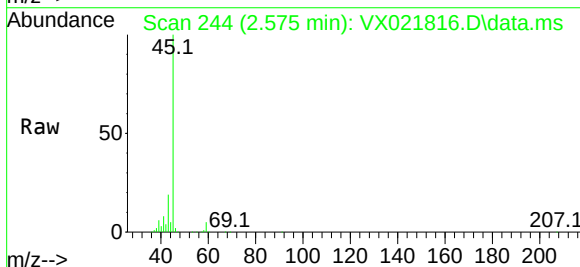
Instrument :
MSVOA_X
ClientSampled :

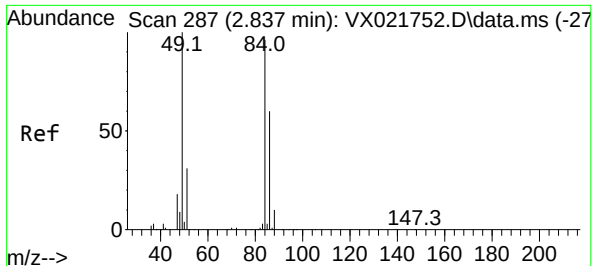
Tgt Ion: 43 Resp: 6195
Ion Ratio Lower Upper
43 100
58 37.4 27.8 41.8



#18
Methyl Acetate
Concen: 13.59 ug/l
RT: 2.575 min Scan# 244
Delta R.T. -0.176 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Tgt Ion: 43 Resp: 22626
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.23 ug/l

RT: 2.843 min Scan# 288

Delta R.T. 0.006 min

Lab File: VX021816.D

Acq: 22 Apr 2021 15:03

Tgt Ion: 84 Resp: 414

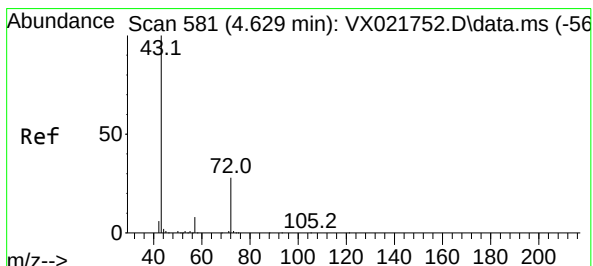
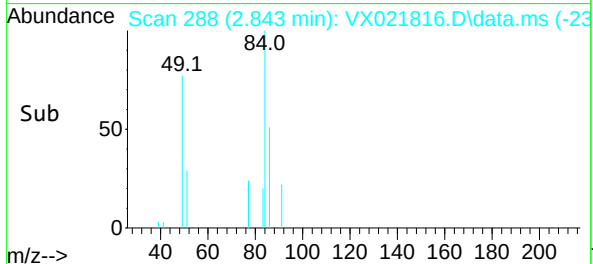
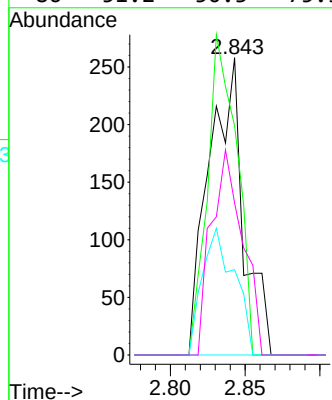
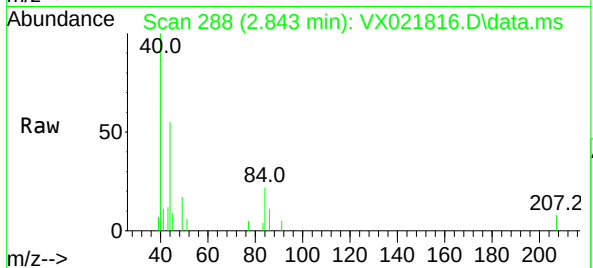
Ion Ratio Lower Upper

84 100

49 77.1 88.6 132.8#

51 28.7 27.0 40.6

86 51.2 50.3 75.5



#25

2-Butanone

Concen: 3.15 ug/l

RT: 4.641 min Scan# 583

Delta R.T. 0.012 min

Lab File: VX021816.D

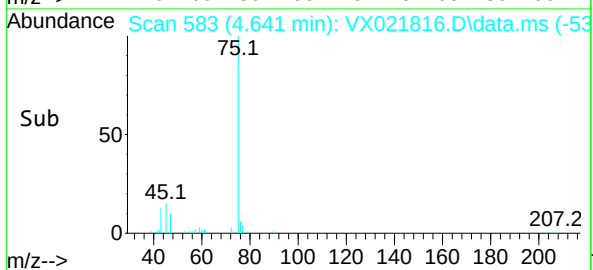
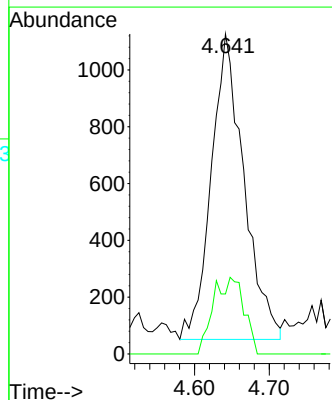
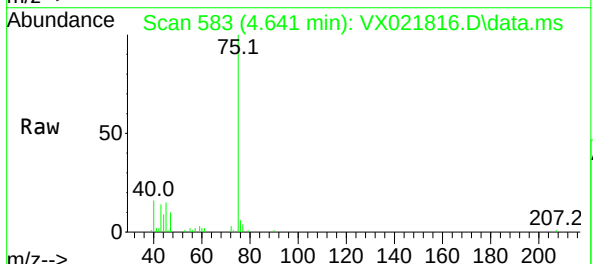
Acq: 22 Apr 2021 15:03

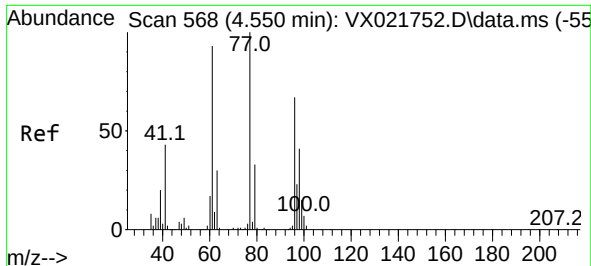
Tgt Ion: 43 Resp: 3268

Ion Ratio Lower Upper

43 100

72 19.6 23.7 35.5#

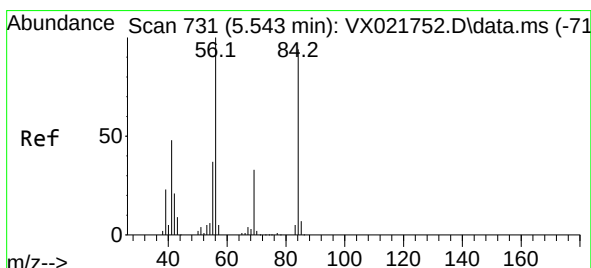
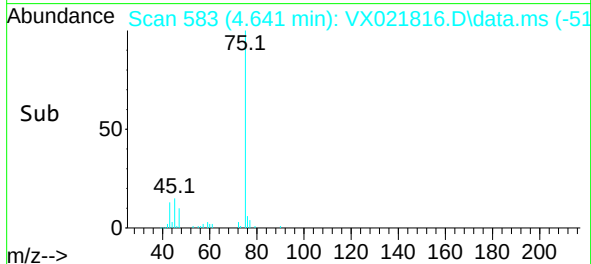
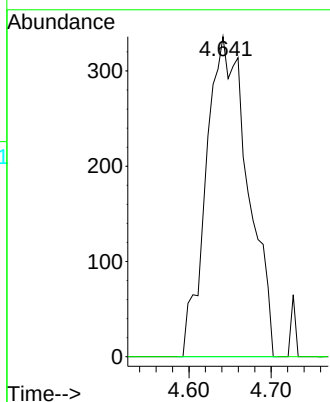
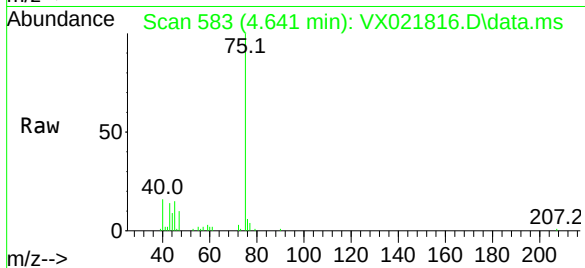




#26
2,2-Dichloropropane
Concen: 0.44 ug/l
RT: 4.641 min Scan# 583
Delta R.T. 0.091 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

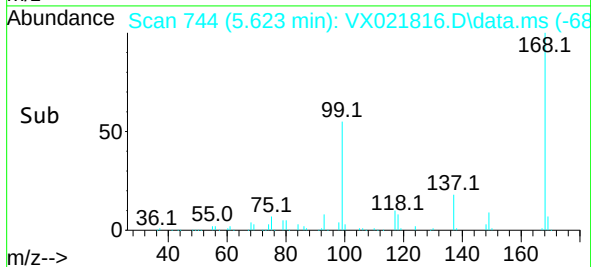
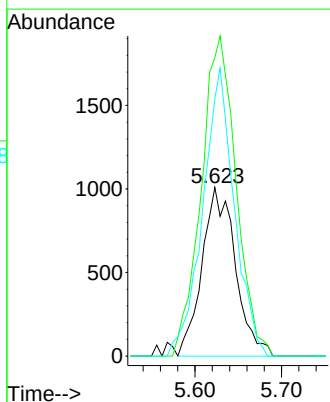
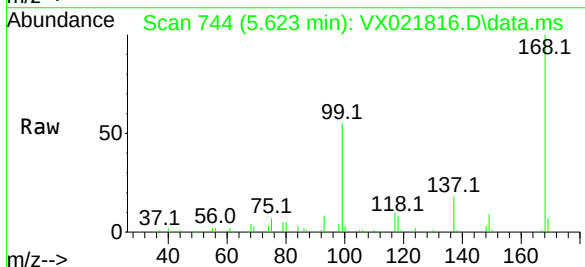
Instrument :
MSVOA_X
ClientSampleId :

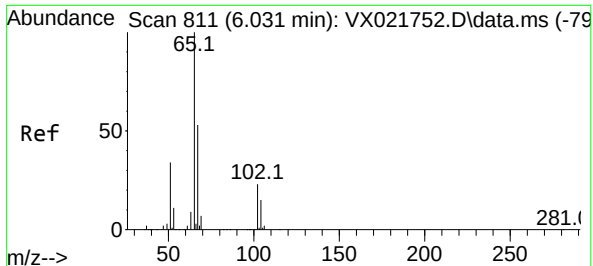
Tgt Ion: 77 Resp: 1185
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.1#



#31
Cyclohexane
Concen: 1.08 ug/l
RT: 5.623 min Scan# 744
Delta R.T. 0.080 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Tgt Ion: 56 Resp: 2704
Ion Ratio Lower Upper
56 100
69 177.1 25.3 37.9#
84 152.6 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 51.34 ug/l

RT: 6.031 min Scan# 811

Delta R.T. 0.000 min

Lab File: VX021816.D

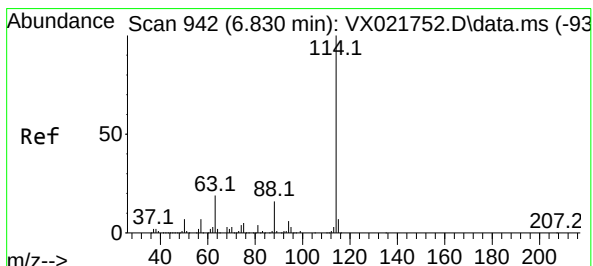
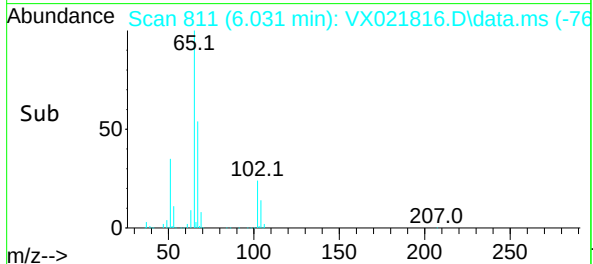
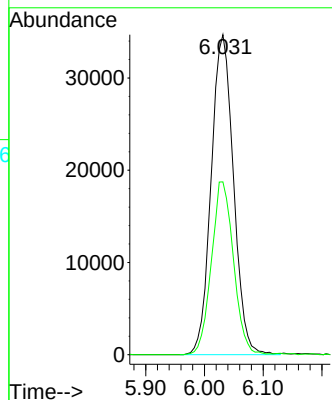
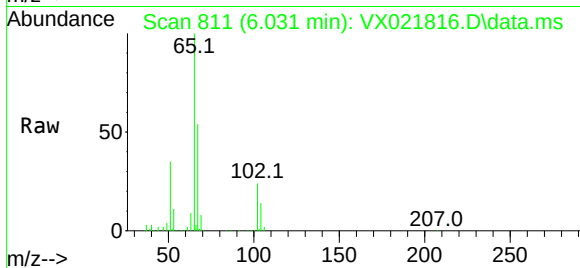
Acq: 22 Apr 2021 15:03

Tgt Ion: 65 Resp: 91606

Ion Ratio Lower Upper

65 100

67 53.6 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.830 min Scan# 942

Delta R.T. 0.000 min

Lab File: VX021816.D

Acq: 22 Apr 2021 15:03

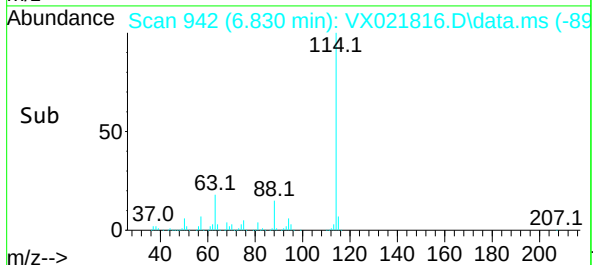
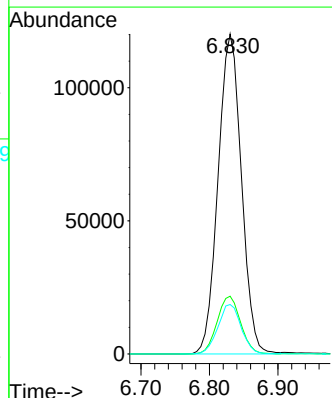
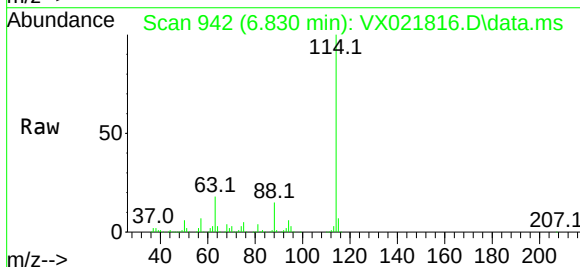
Tgt Ion: 114 Resp: 283540

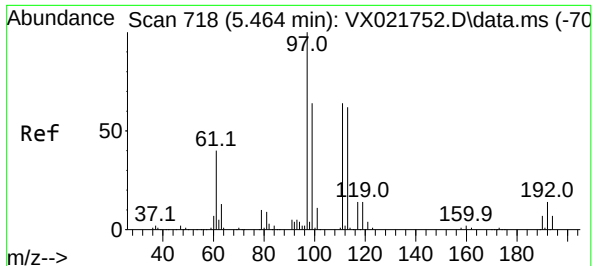
Ion Ratio Lower Upper

114 100

63 18.1 0.0 40.8

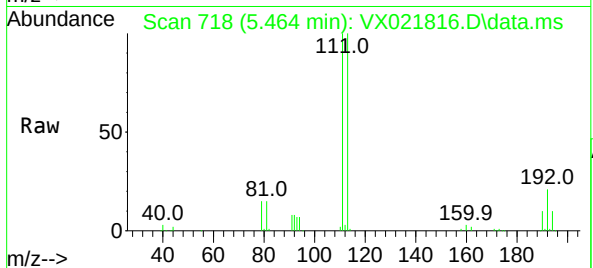
88 15.5 0.0 32.8



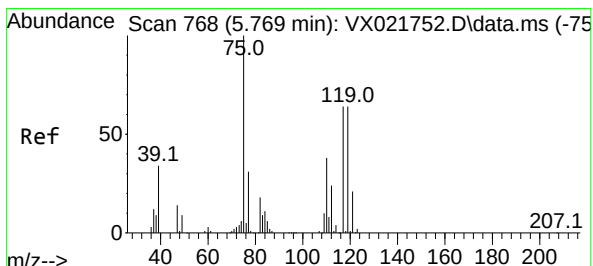
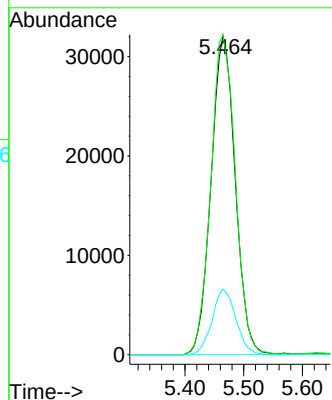
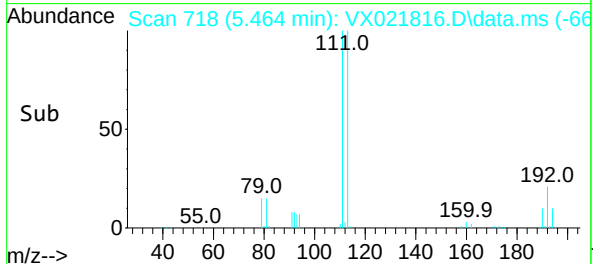


#35
Dibromofluoromethane
Concen: 50.54 ug/l
RT: 5.464 min Scan# 718
Delta R.T. 0.000 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

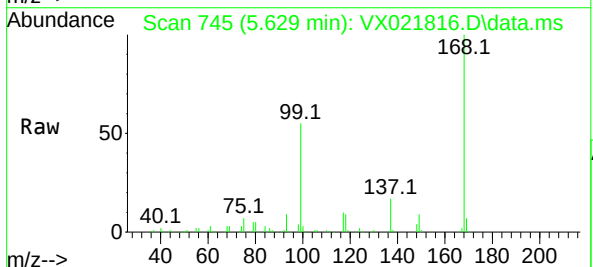
Instrument :
MSVOA_X
ClientSampleId :



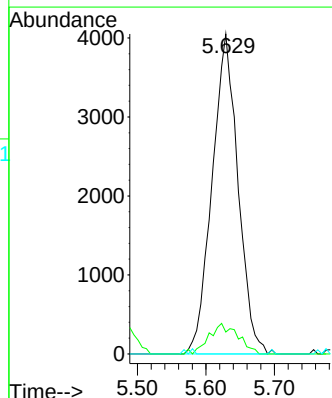
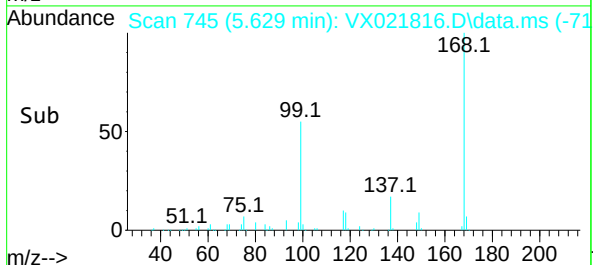
Tgt Ion:113 Resp: 91641
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 20.2 16.7 25.1

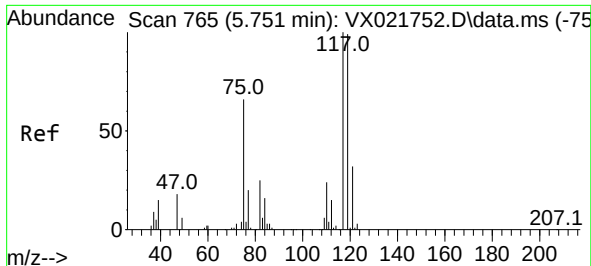


#36
1,1-Dichloropropene
Concen: 4.25 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.140 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03



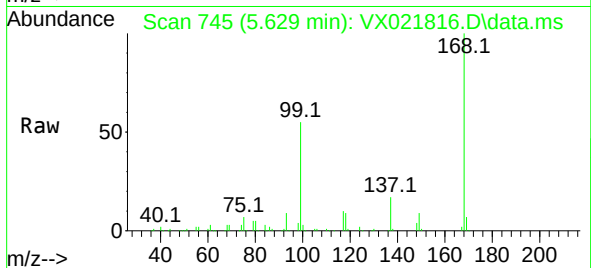
Tgt Ion: 75 Resp: 10641
Ion Ratio Lower Upper
75 100
110 10.7 18.1 54.4#
77 0.0 25.3 37.9#



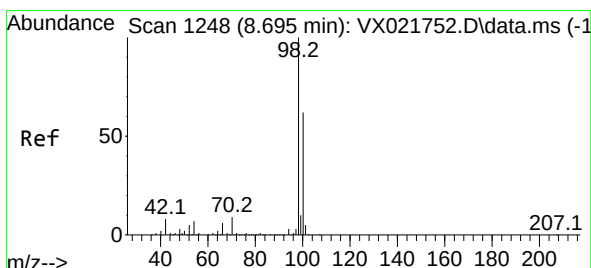
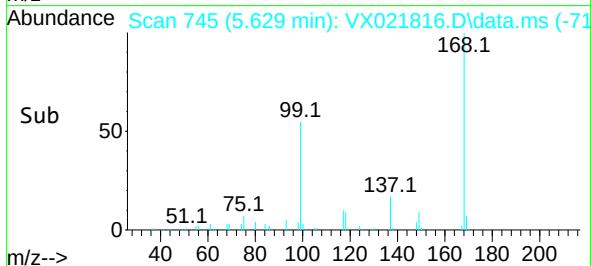
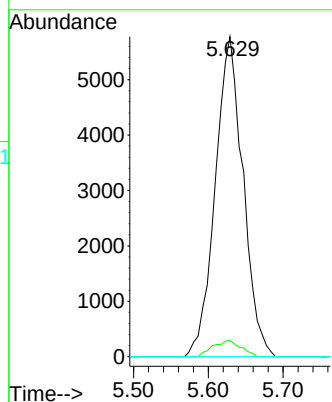


#38
Carbon Tetrachloride
Concen: 5.45 ug/l
RT: 5.629 min Scan# 745
Delta R.T. -0.122 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Instrument :
MSVOA_X
ClientSampled :

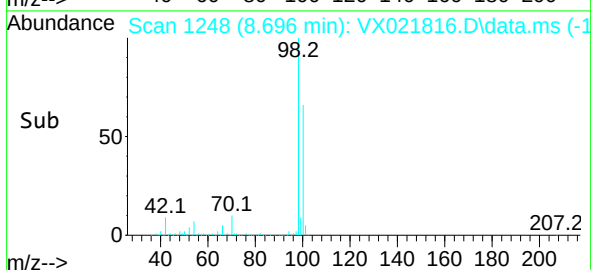
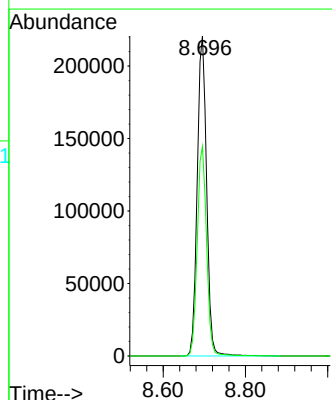
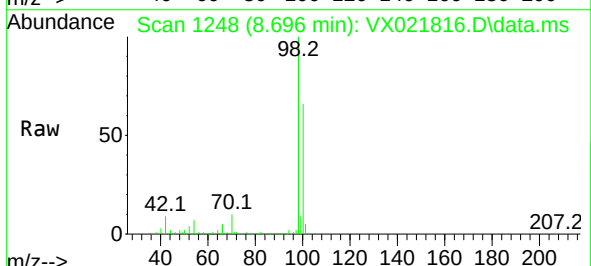


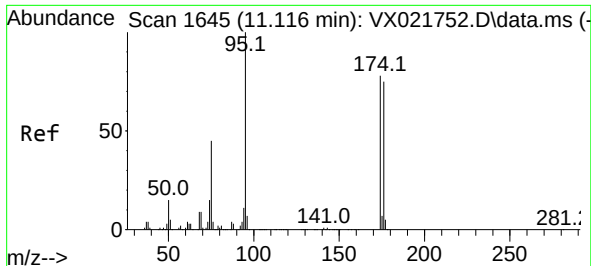
Tgt Ion: 117 Resp: 14949
Ion Ratio Lower Upper
117 100
119 5.1 76.2 114.2#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.01 ug/l
RT: 8.696 min Scan# 1248
Delta R.T. 0.001 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Tgt Ion: 98 Resp: 348692
Ion Ratio Lower Upper
98 100
100 65.2 51.9 77.9

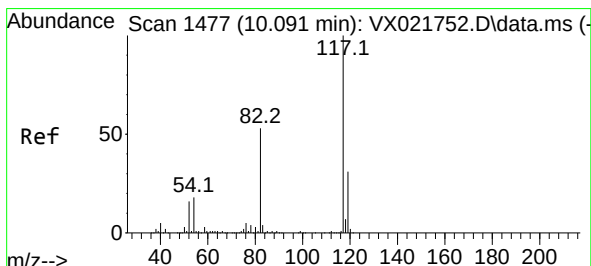
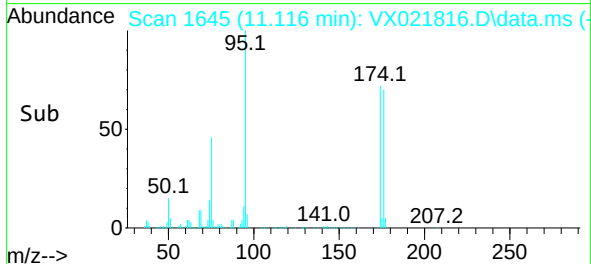
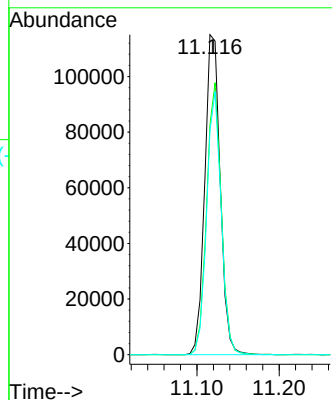
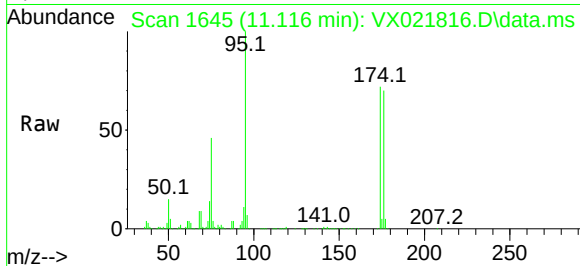




#62
4-Bromofluorobenzene
Concen: 57.62 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

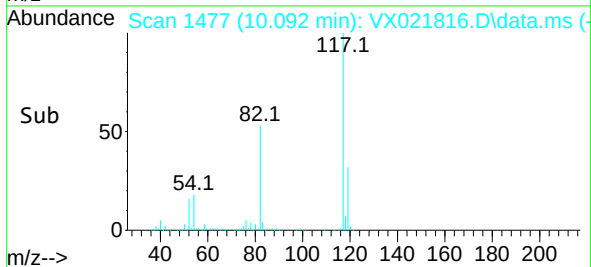
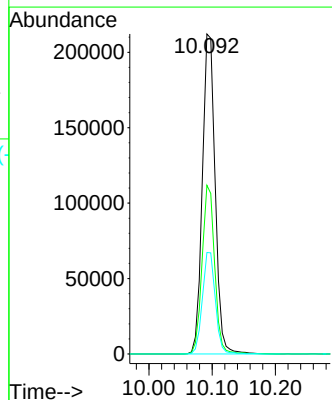
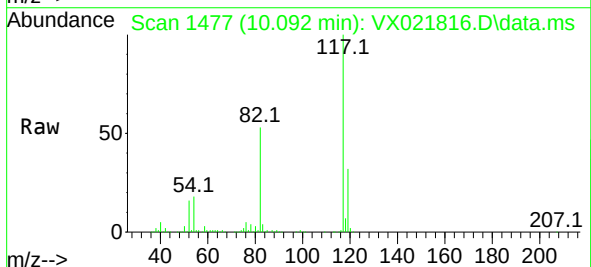
Instrument :
MSVOA_X
ClientSampleId :

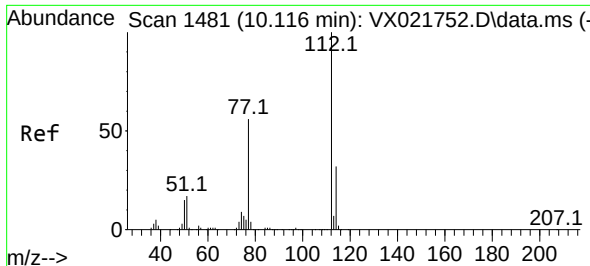
Tgt Ion: 95 Resp: 150030
Ion Ratio Lower Upper
95 100
174 80.6 0.0 154.6
176 77.4 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Tgt Ion: 117 Resp: 299762
Ion Ratio Lower Upper
117 100
82 52.7 47.4 71.2
119 31.7 26.6 39.8

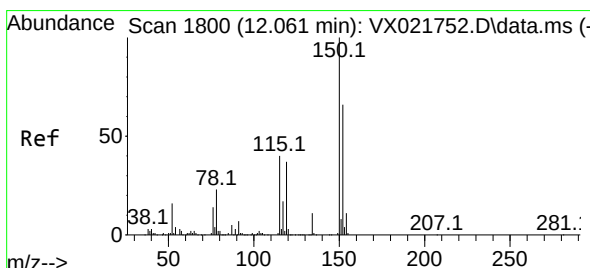
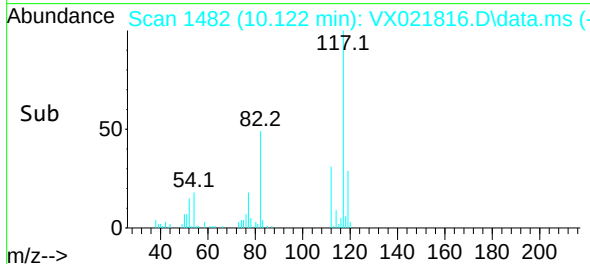
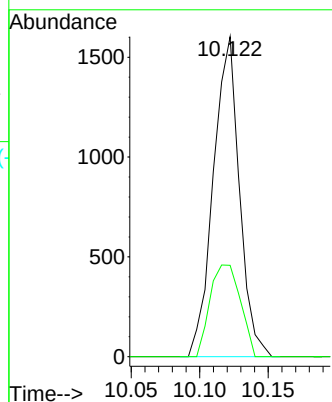
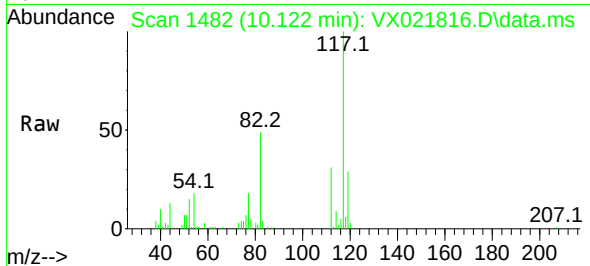




#65
Chlorobenzene
Concen: 0.34 ug/l
RT: 10.122 min Scan# 1482
Delta R.T. 0.006 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

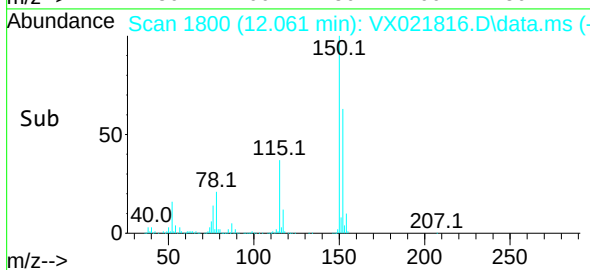
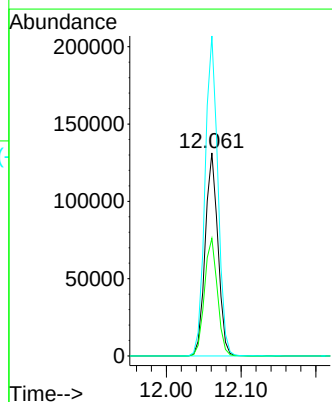
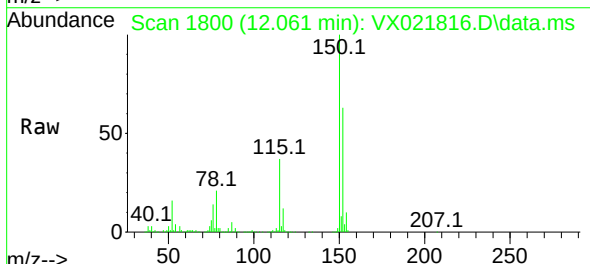
Instrument :
MSVOA_X
ClientSampled :

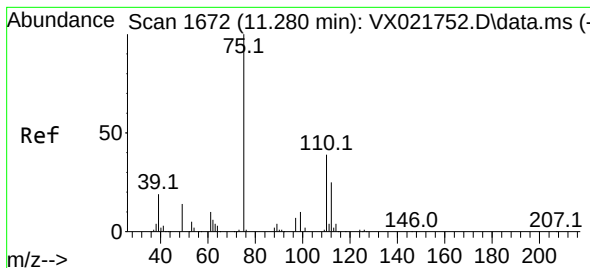
Tgt Ion:112 Resp: 2121
Ion Ratio Lower Upper
112 100
114 28.6 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Tgt Ion:152 Resp: 155407
Ion Ratio Lower Upper
152 100
115 58.7 41.1 123.3
150 158.3 0.0 349.0

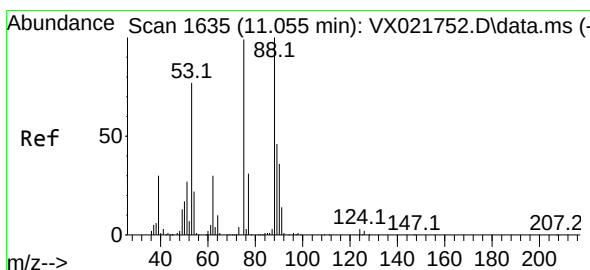
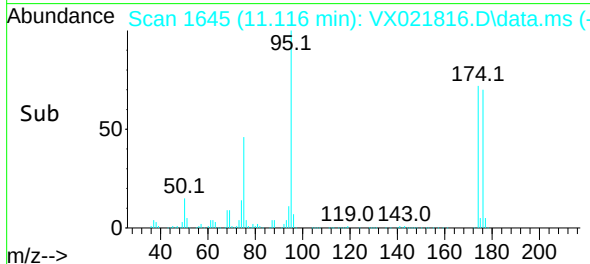
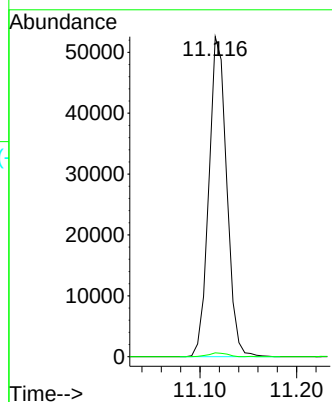
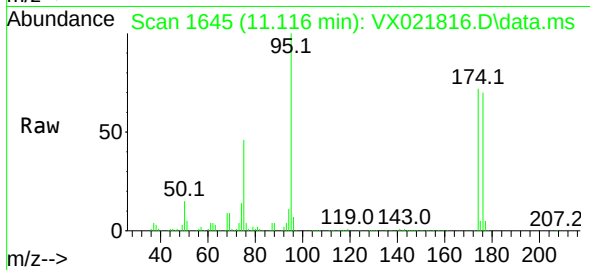




#76
1,2,3-Trichloropropane
Concen: 21.90 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 67506
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.37 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021816.D
Acq: 22 Apr 2021 15:03

Tgt Ion: 75 Resp: 67506
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

