

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042021\
 Data File : VX021766.D
 Acq On : 20 Apr 2021 20:15
 Operator : JC/MD
 Sample : PB135856TB
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Apr 21 11:24:04 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)

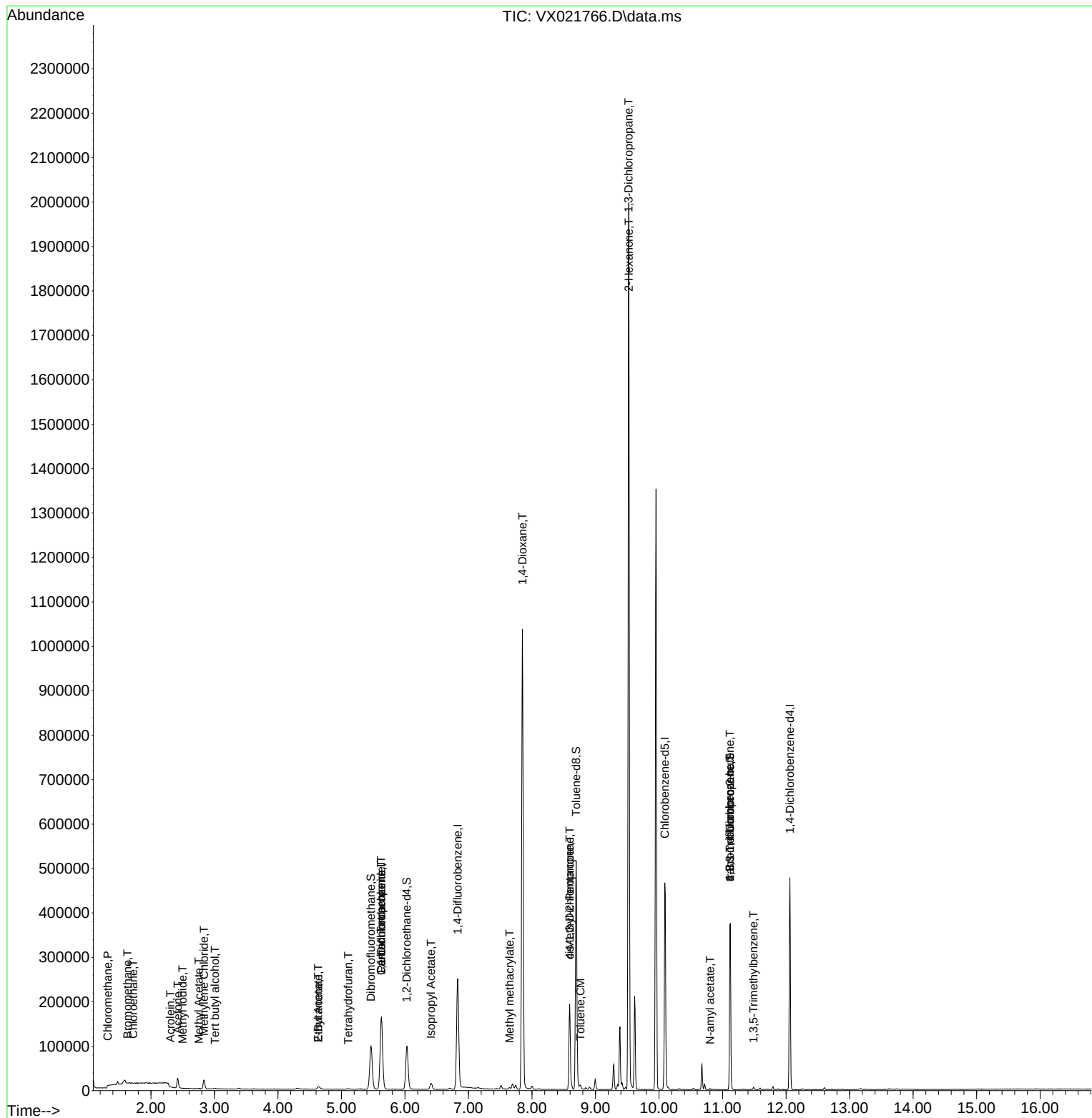
Internal Standards						
1) Pentafluorobenzene	5.629	168	161430	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.830	114	272174	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.092	117	233818	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.061	152	103986	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.025	65	91408	49.91	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.82%		
35) Dibromofluoromethane	5.464	113	86199	49.52	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.04%		
50) Toluene-d8	8.696	98	317603	47.46	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.92%		
62) 4-Bromofluorobenzene	11.116	95	108546	43.43	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	86.86%		
Target Compounds						
					Qvalue	
3) Chloromethane	1.319	50	3459	1.99	ug/l	99
5) Bromomethane	1.630	94	213	0.26	ug/l #	28
6) Chloroethane	1.721	64	271	0.23	ug/l	92
10) Methyl Iodide	2.495	142	288	8.35	ug/l #	53
11) Tert butyl alcohol	3.008	59	1367	3.41	ug/l #	91
13) Acrolein	2.306	56	97	0.30	ug/l #	14
16) Acetone	2.422	43	23492	37.31	ug/l	95
18) Methyl Acetate	2.751	43	695	0.41	ug/l #	71
20) Methylene Chloride	2.837	84	10050	5.32	ug/l	93
25) 2-Butanone	4.635	43	10246	9.61	ug/l	98
29) Tetrahydrofuran	5.105	42	1524	2.20	ug/l #	81
36) 1,1-Dichloropropene	5.623	75	11126	4.63	ug/l #	50
37) Ethyl Acetate	4.635	43	10246	4.54	ug/l #	65
38) Carbon Tetrachloride	5.623	117	15529	5.90	ug/l #	17
43) Isopropyl Acetate	6.409	43	17788	4.50	ug/l	99
48) Methyl methacrylate	7.647	41	4870	2.53	ug/l #	14
49) 1,4-Dioxane	7.848	88	183	4.04	ug/l #	1
51) 4-Methyl-2-Pentanone	8.592	43	62478	27.59	ug/l #	48
52) Toluene	8.763	92	1760	0.38	ug/l	92
54) cis-1,3-Dichloropropene	8.592	75	33477	10.49	ug/l #	54
57) 1,3-Dichloropropane	9.519	76	18437	6.02	ug/l #	43
59) 2-Hexanone	9.525	43	219587	129.37	ug/l #	46
74) N-amyl acetate	10.805	43	1198	0.43	ug/l #	48
76) 1,2,3-Trichloropropane	11.116	75	50095	24.29	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.488	105	2562	0.41	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.116	75	50095	55.86	ug/l #	12

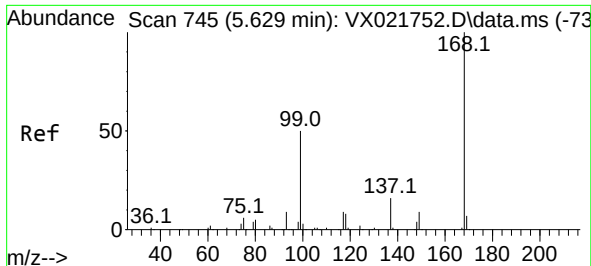
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

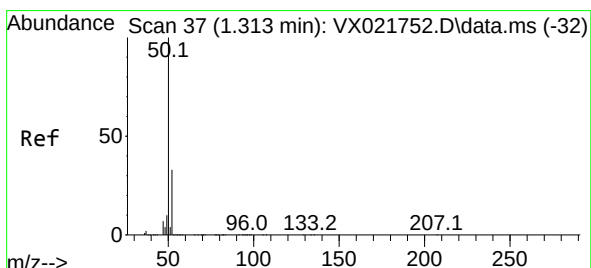
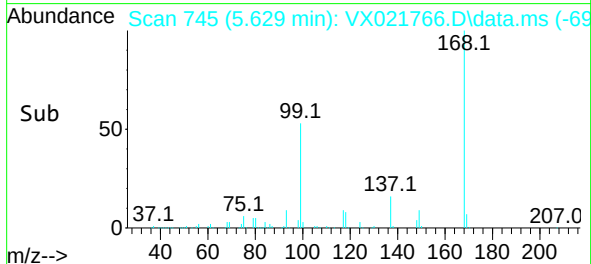
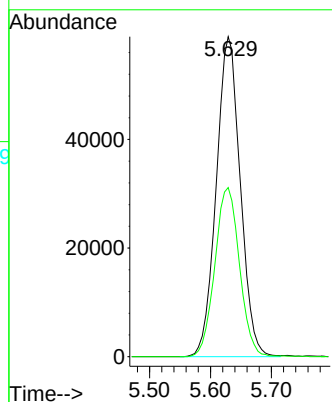
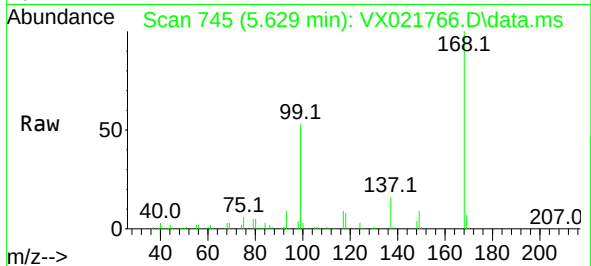




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 745
Delta R.T. 0.000 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

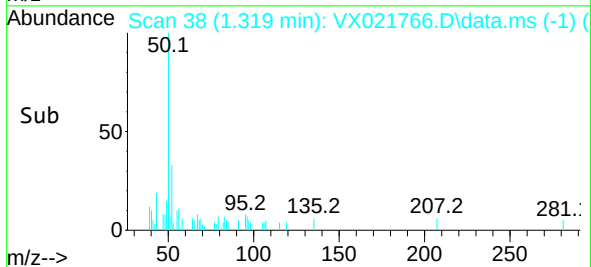
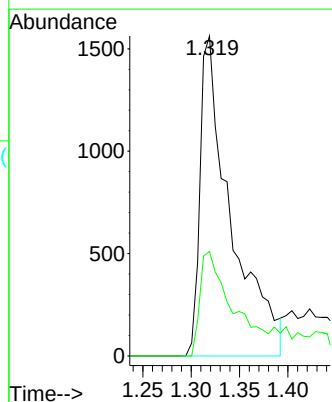
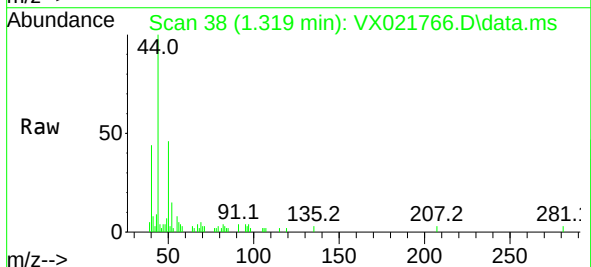
Instrument :
MSVOA_X
ClientSampled :

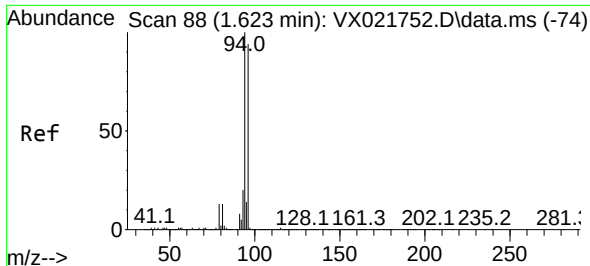
Tgt Ion:168 Resp: 161430
Ion Ratio Lower Upper
168 100
99 52.9 45.8 68.6



#3
Chloromethane
Concen: 1.99 ug/l
RT: 1.319 min Scan# 38
Delta R.T. 0.006 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Tgt Ion: 50 Resp: 3459
Ion Ratio Lower Upper
50 100
52 32.6 26.4 39.6

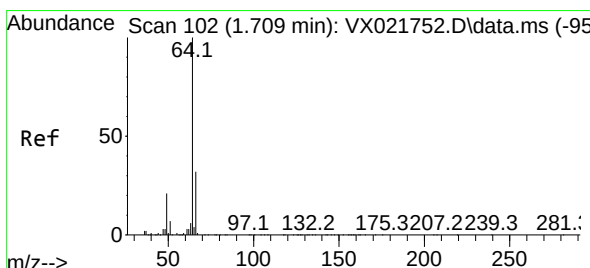
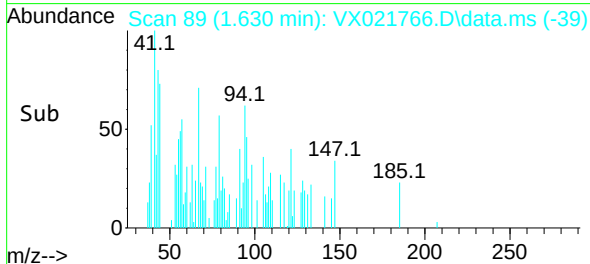
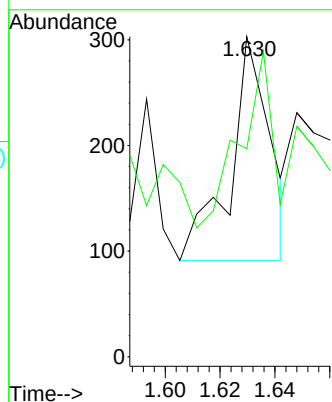
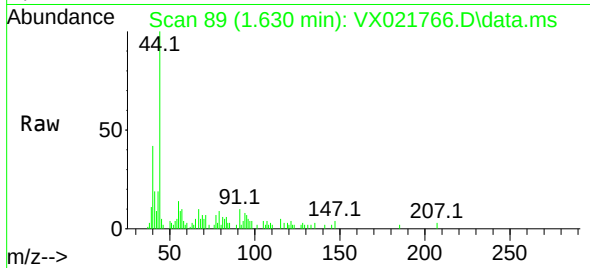




#5
Bromomethane
Concen: 0.26 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.007 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

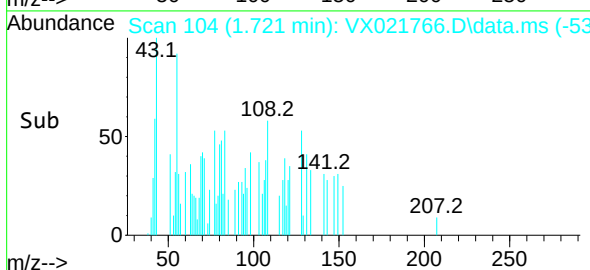
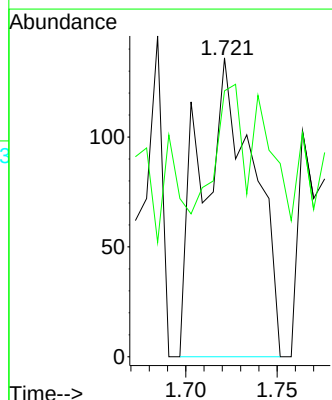
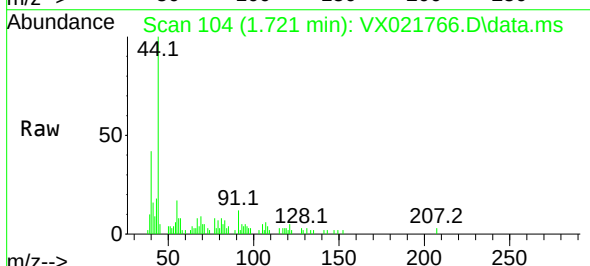
Instrument :
MSVOA_X
ClientSampled :

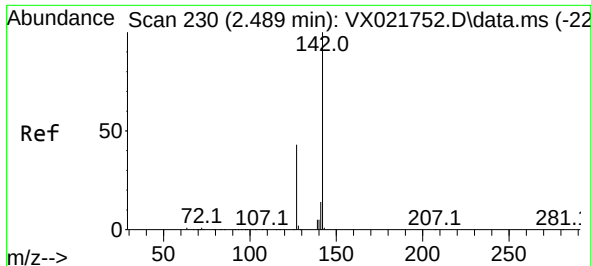
Tgt Ion: 94 Resp: 213
Ion Ratio Lower Upper
94 100
96 25.0 76.4 114.6#



#6
Chloroethane
Concen: 0.23 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.012 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

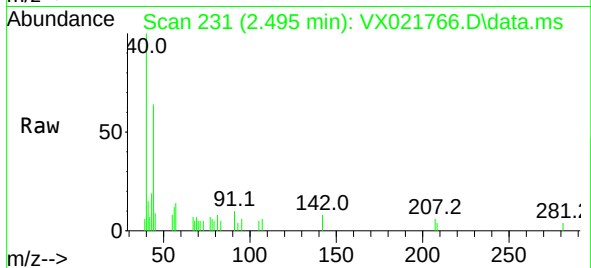
Tgt Ion: 64 Resp: 271
Ion Ratio Lower Upper
64 100
66 36.0 25.4 38.0



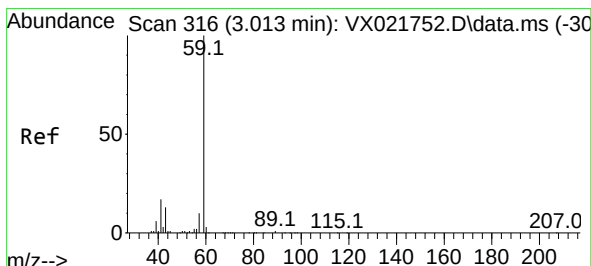
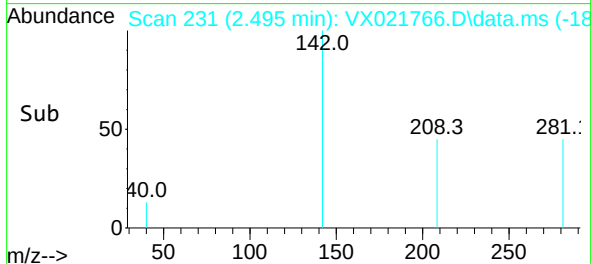
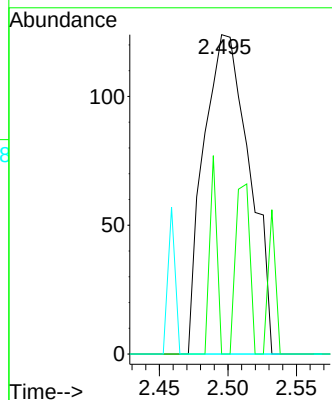


#10
Methyl Iodide
Concen: 8.35 ug/l
RT: 2.495 min Scan# 231
Delta R.T. 0.006 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Instrument :
MSVOA_X
ClientSampled :

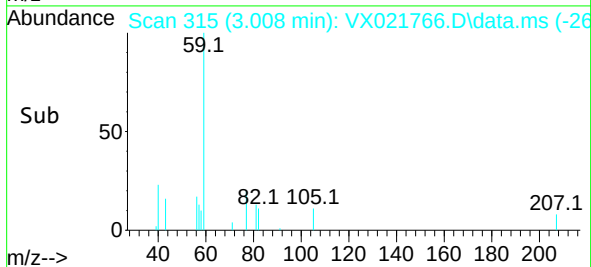
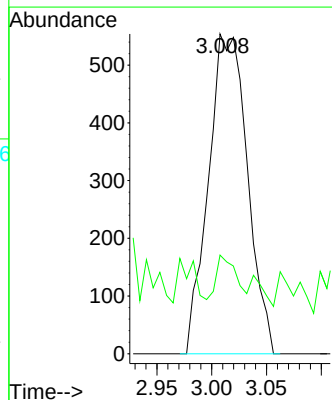
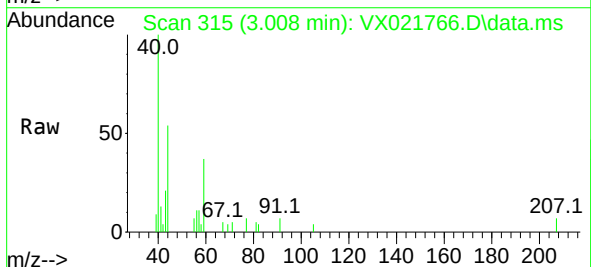


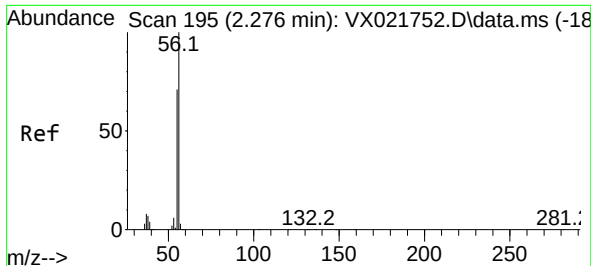
Tgt Ion:142 Resp: 288
Ion Ratio Lower Upper
142 100
127 9.7 33.3 49.9#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.41 ug/l
RT: 3.008 min Scan# 315
Delta R.T. -0.005 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Tgt Ion: 59 Resp: 1367
Ion Ratio Lower Upper
59 100
57 12.9 7.8 11.8#

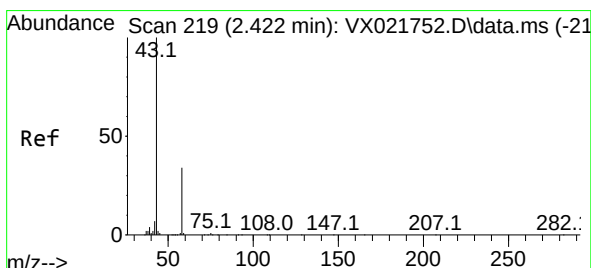
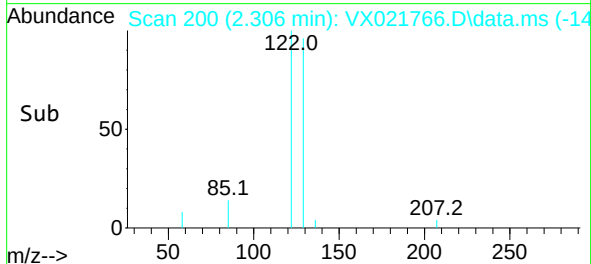
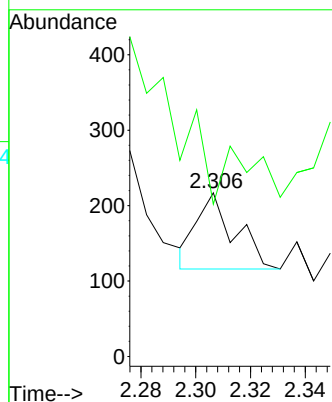
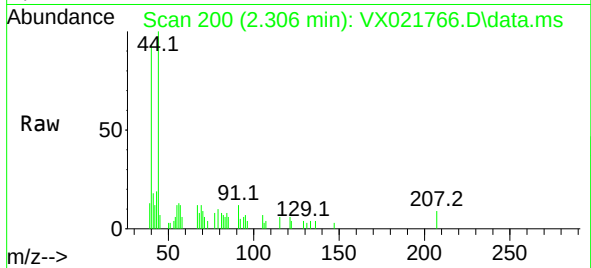




#13
Acrolein
Concen: 0.30 ug/l
RT: 2.306 min Scan# 200
Delta R.T. 0.030 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

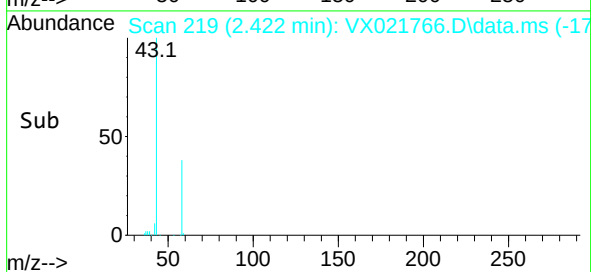
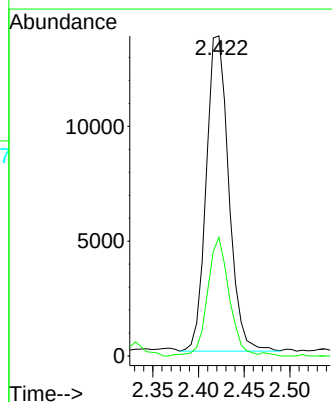
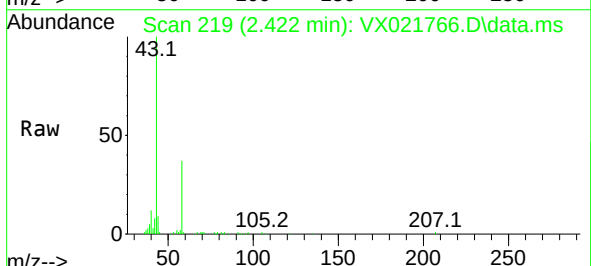
Instrument :
MSVOA_X
ClientSampled :

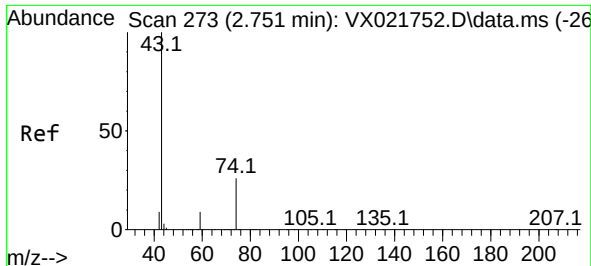
Tgt Ion: 56 Resp: 97
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 37.31 ug/l
RT: 2.422 min Scan# 219
Delta R.T. 0.000 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

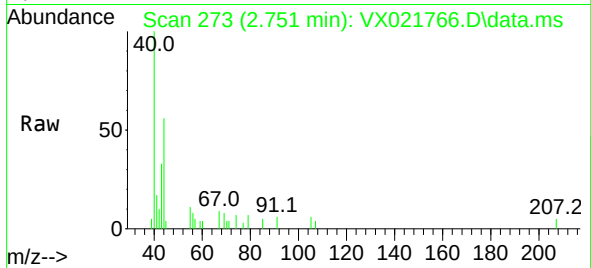
Tgt Ion: 43 Resp: 23492
Ion Ratio Lower Upper
43 100
58 37.6 27.8 41.8



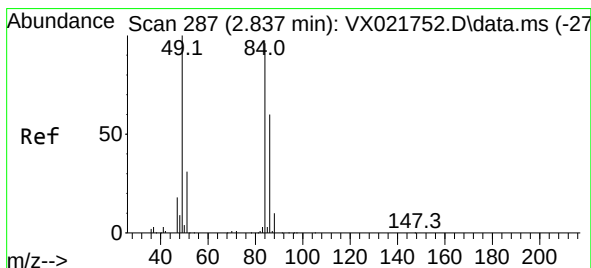
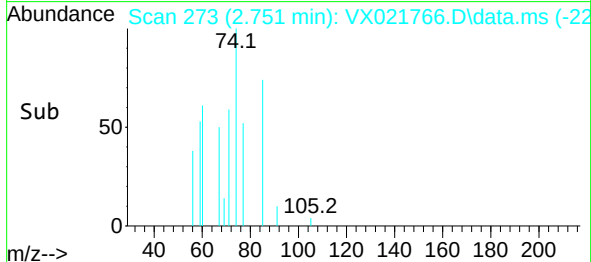
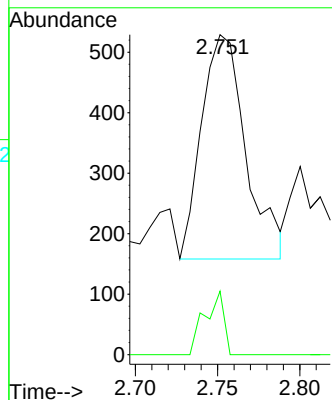


#18
Methyl Acetate
Concen: 0.41 ug/l
RT: 2.751 min Scan# 273
Delta R.T. 0.000 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Instrument :
MSVOA_X
ClientSampled :

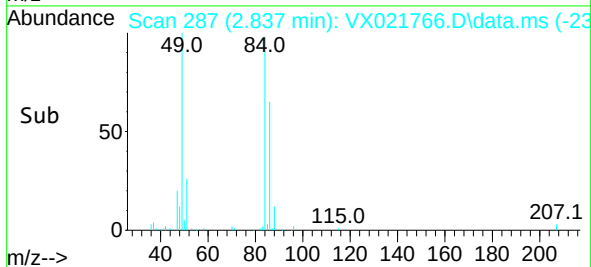
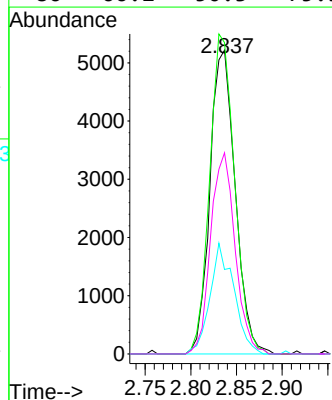
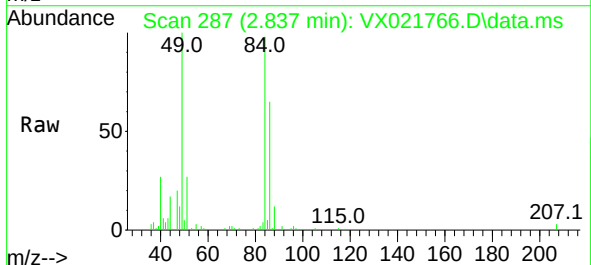


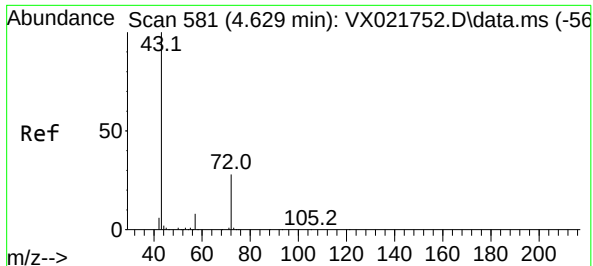
Tgt Ion: 43 Resp: 695
Ion Ratio Lower Upper
43 100
74 12.2 21.9 32.9#



#20
Methylene Chloride
Concen: 5.32 ug/l
RT: 2.837 min Scan# 287
Delta R.T. -0.000 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Tgt Ion: 84 Resp: 10050
Ion Ratio Lower Upper
84 100
49 102.5 88.6 132.8
51 27.8 27.0 40.6
86 66.2 50.3 75.5





#25

2-Butanone

Concen: 9.61 ug/l

RT: 4.635 min Scan# 582

Delta R.T. 0.006 min

Lab File: VX021766.D

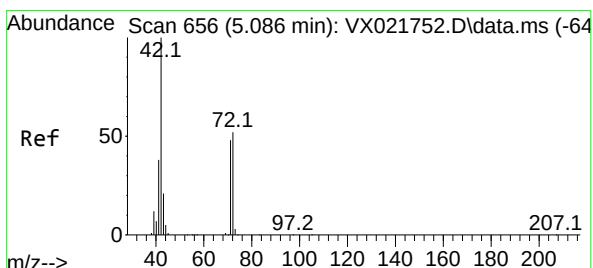
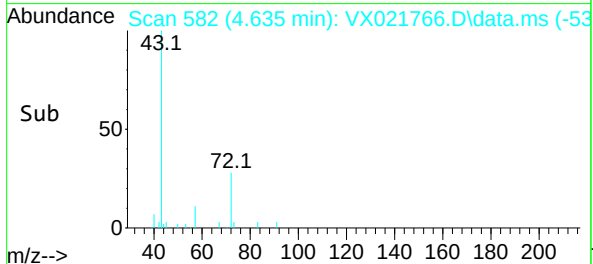
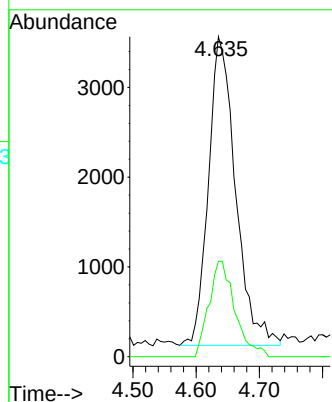
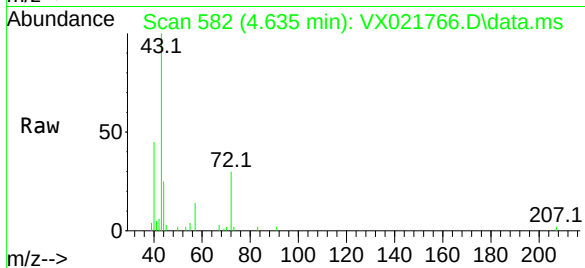
Acq: 20 Apr 2021 20:15

Tgt Ion: 43 Resp: 10246

Ion Ratio Lower Upper

43 100

72 30.9 23.7 35.5



#29

Tetrahydrofuran

Concen: 2.20 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.019 min

Lab File: VX021766.D

Acq: 20 Apr 2021 20:15

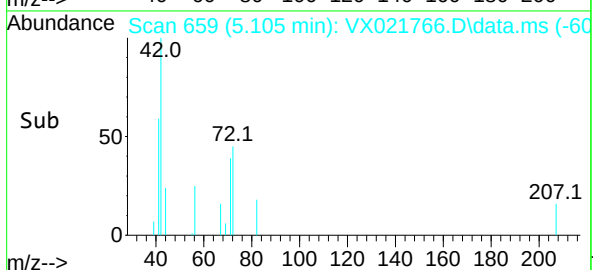
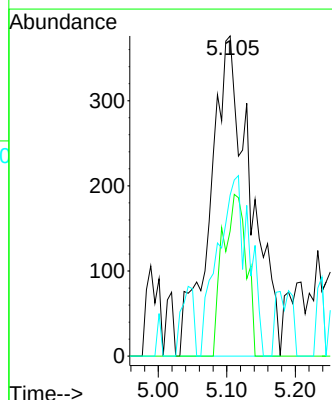
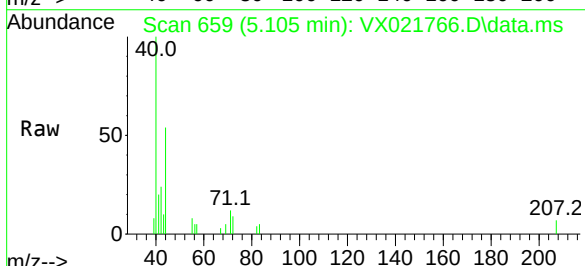
Tgt Ion: 42 Resp: 1524

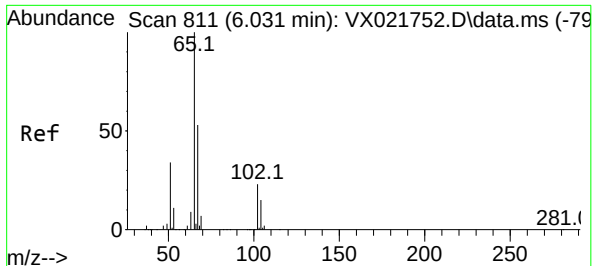
Ion Ratio Lower Upper

42 100

72 29.7 41.7 62.5#

71 44.1 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 49.91 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.006 min

Lab File: VX021766.D

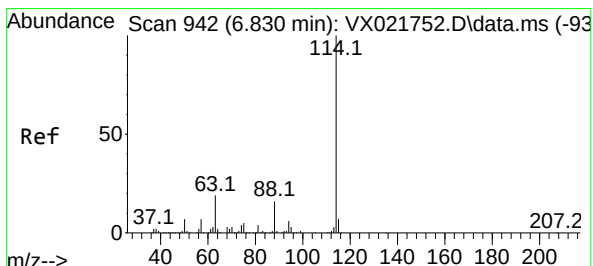
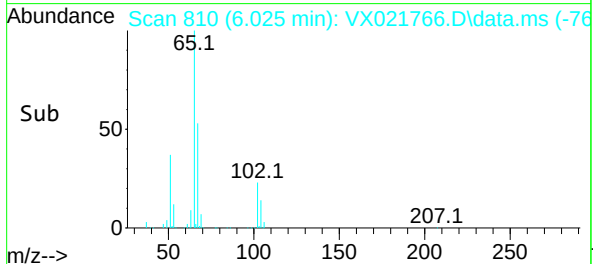
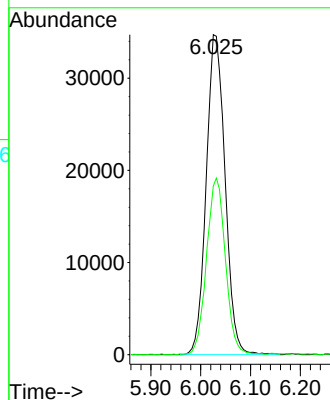
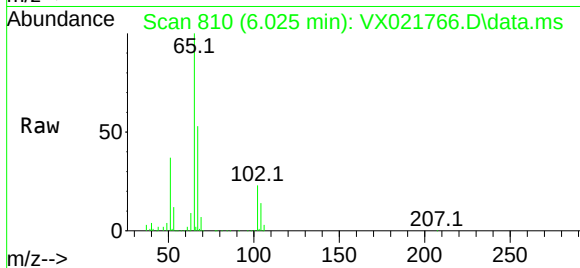
Acq: 20 Apr 2021 20:15

Tgt Ion: 65 Resp: 91408

Ion Ratio Lower Upper

65 100

67 55.2 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: VX021766.D

Acq: 20 Apr 2021 20:15

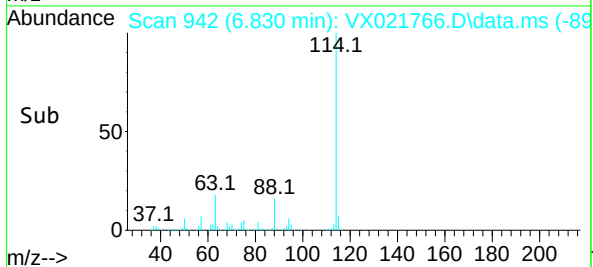
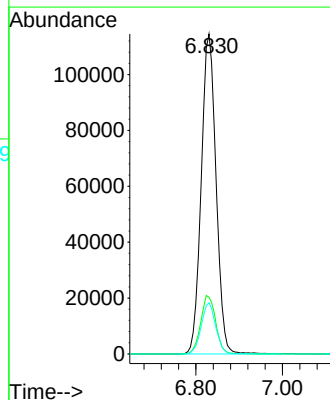
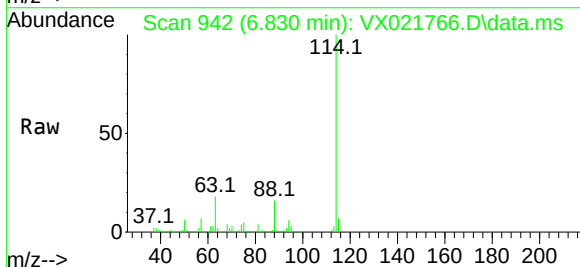
Tgt Ion: 114 Resp: 272174

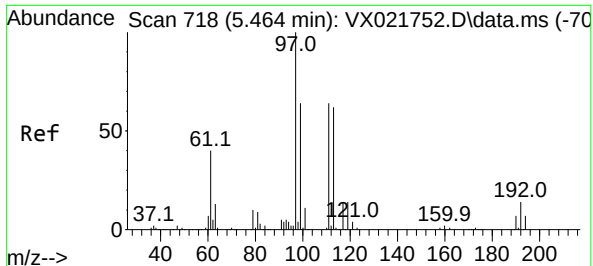
Ion Ratio Lower Upper

114 100

63 17.8 0.0 40.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.52 ug/l

RT: 5.464 min Scan# 718

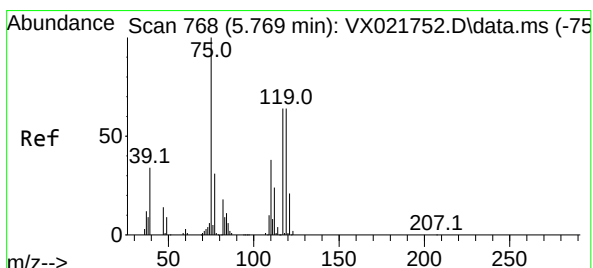
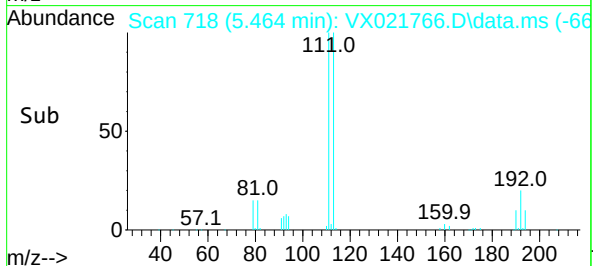
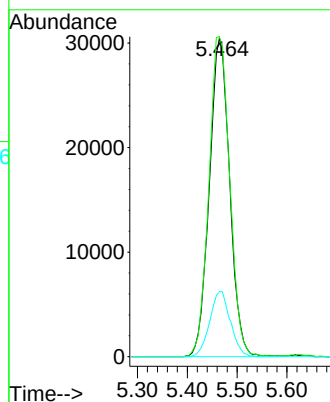
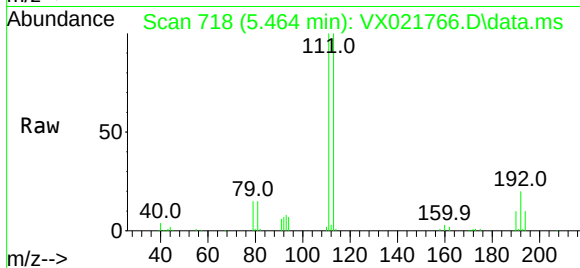
Delta R.T. 0.000 min

Lab File: VX021766.D

Acq: 20 Apr 2021 20:15

Tgt Ion:	113	Resp:	86199
Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.9	122.9
192	20.8	16.7	25.1

Instrument :
MSVOA_X
ClientSampleId :



#36

1,1-Dichloropropene

Concen: 4.63 ug/l

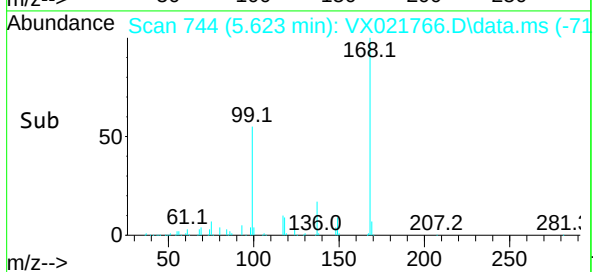
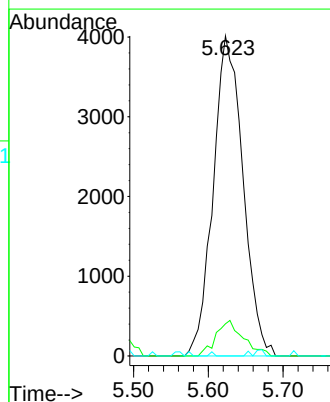
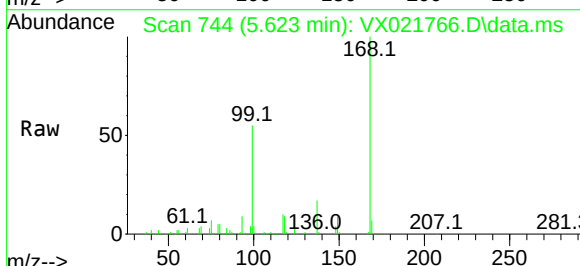
RT: 5.623 min Scan# 744

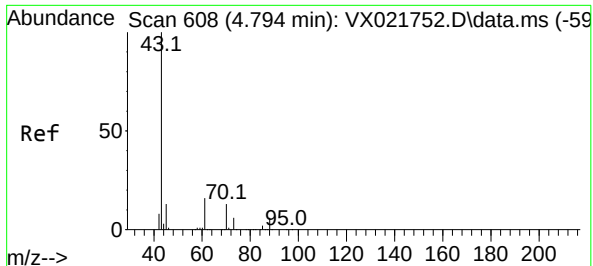
Delta R.T. -0.146 min

Lab File: VX021766.D

Acq: 20 Apr 2021 20:15

Tgt Ion:	75	Resp:	11126
Ion	Ratio	Lower	Upper
75	100		
110	10.2	18.1	54.4#
77	0.0	25.3	37.9#





#37

Ethyl Acetate

Concen: 4.54 ug/l

RT: 4.635 min Scan# 582

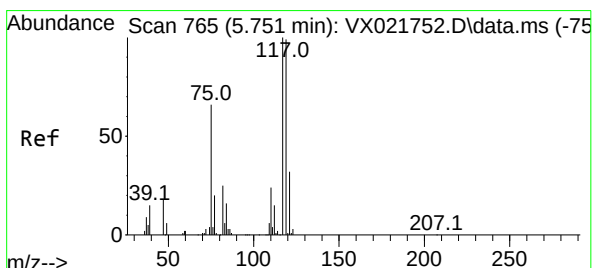
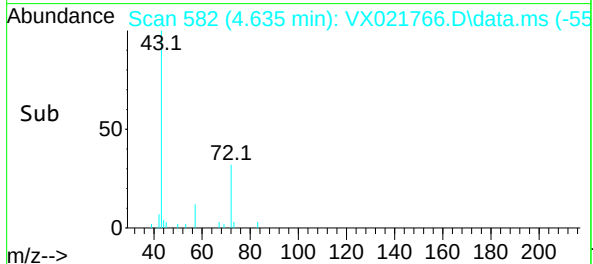
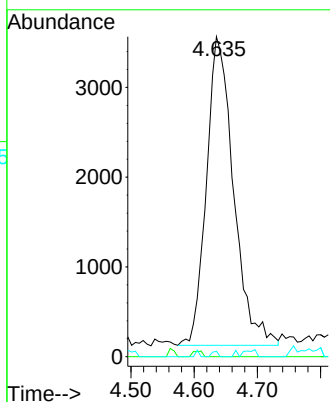
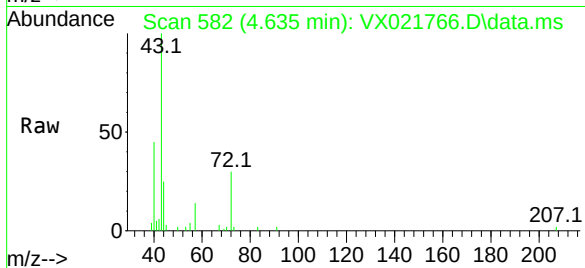
Delta R.T. -0.159 min

Lab File: VX021766.D

Acq: 20 Apr 2021 20:15

Tgt Ion:	43	Resp:	10246
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	0.4	10.5	15.7#

Instrument :
MSVOA_X
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.90 ug/l

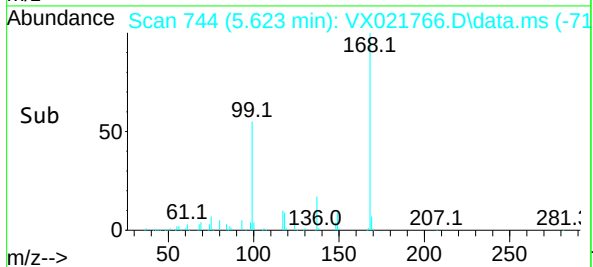
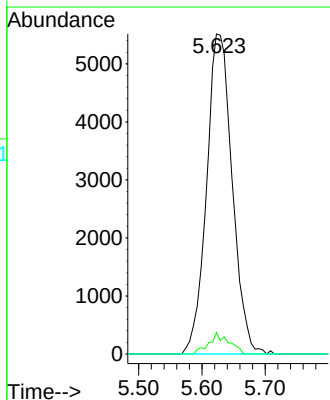
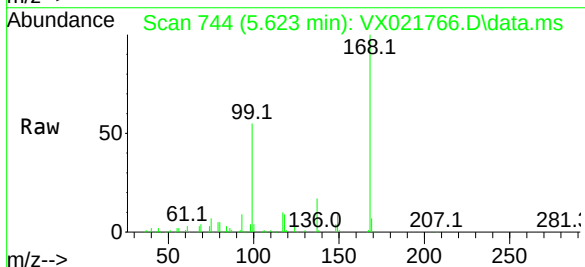
RT: 5.623 min Scan# 744

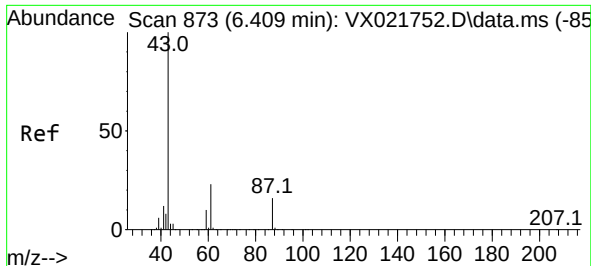
Delta R.T. -0.128 min

Lab File: VX021766.D

Acq: 20 Apr 2021 20:15

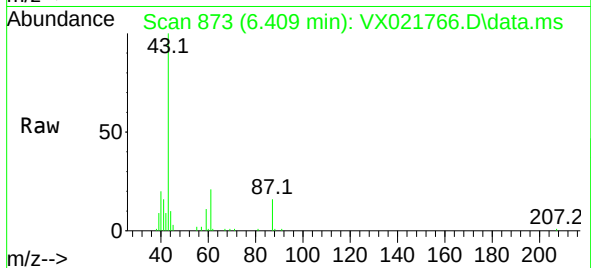
Tgt Ion:	117	Resp:	15529
Ion	Ratio	Lower	Upper
117	100		
119	6.7	76.2	114.2#
121	0.0	24.8	37.2#



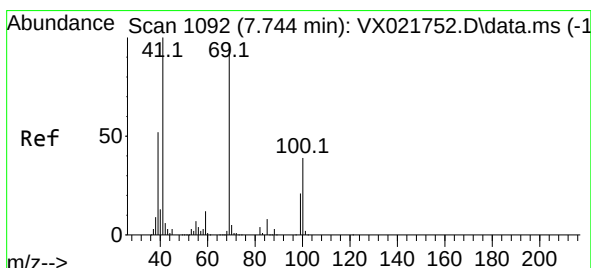
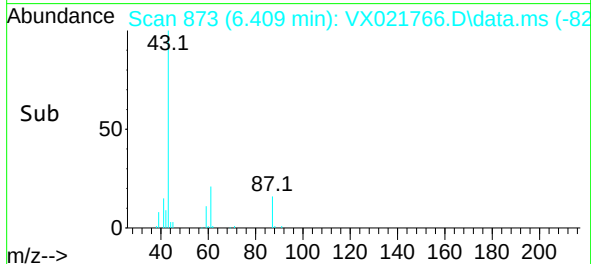
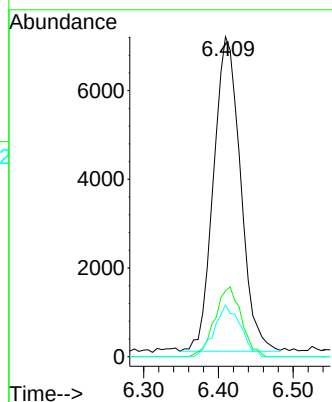


#43
Isopropyl Acetate
Concen: 4.50 ug/l
RT: 6.409 min Scan# 873
Delta R.T. 0.000 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

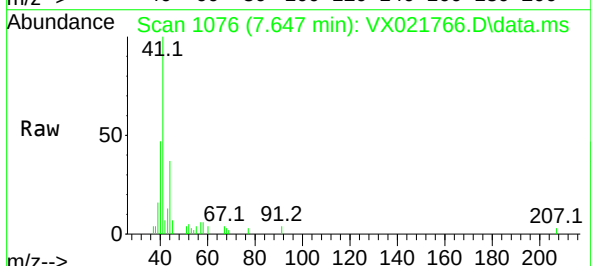
Instrument :
MSVOA_X
ClientSampled :



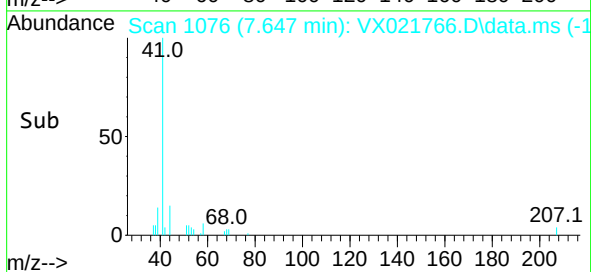
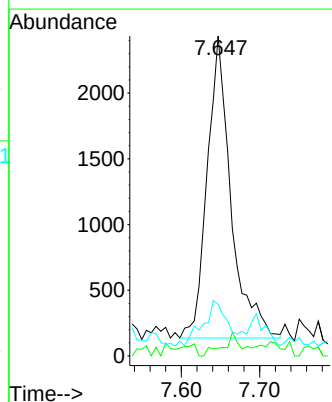
Tgt Ion: 43 Resp: 17788
Ion Ratio Lower Upper
43 100
61 21.9 18.2 27.4
87 15.9 12.5 18.7

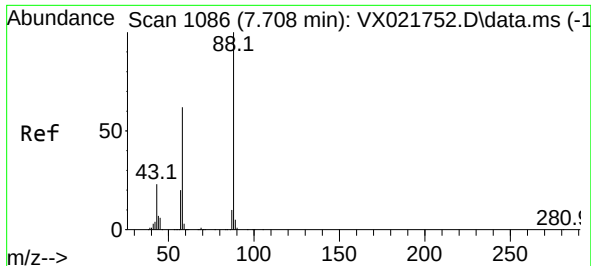


#48
Methyl methacrylate
Concen: 2.53 ug/l
RT: 7.647 min Scan# 1076
Delta R.T. -0.097 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15



Tgt Ion: 41 Resp: 4870
Ion Ratio Lower Upper
41 100
69 5.9 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 4.04 ug/l

RT: 7.848 min Scan# 1109

Delta R.T. 0.140 min

Lab File: VX021766.D

Acq: 20 Apr 2021 20:15

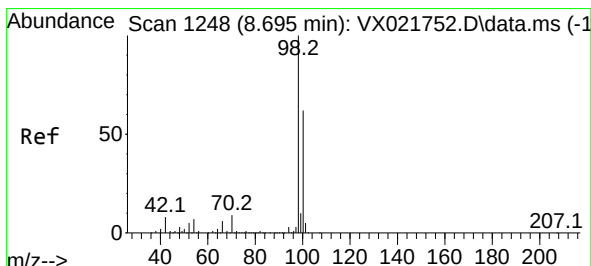
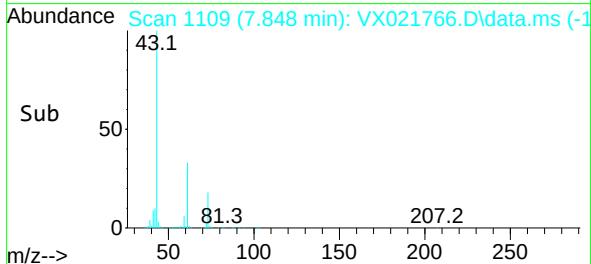
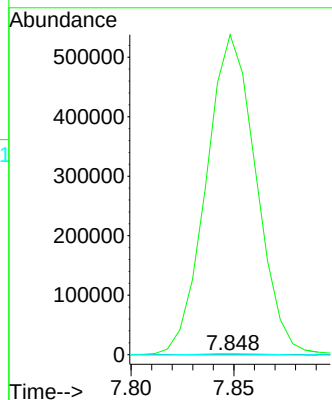
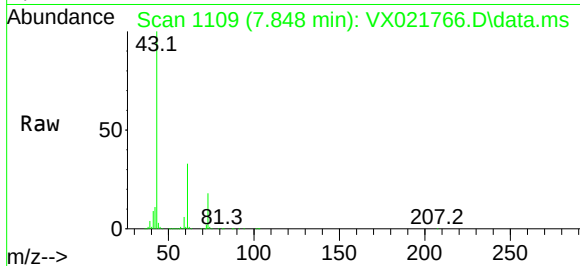
Tgt Ion: 88 Resp: 183

Ion Ratio Lower Upper

88 100

43 499253.6 23.2 34.8#

58 2073.2 55.0 82.4#



#50

Toluene-d8

Concen: 47.46 ug/l

RT: 8.696 min Scan# 1248

Delta R.T. 0.001 min

Lab File: VX021766.D

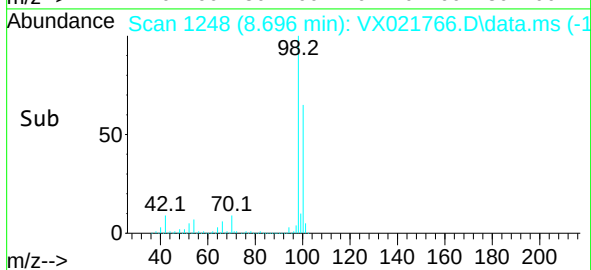
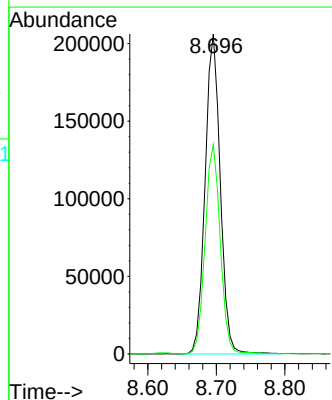
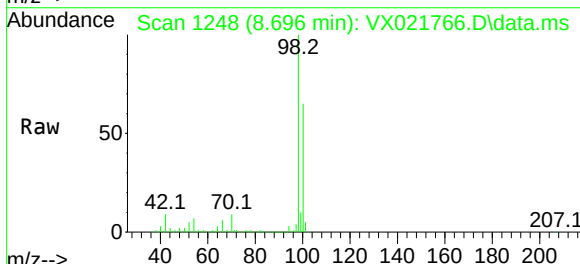
Acq: 20 Apr 2021 20:15

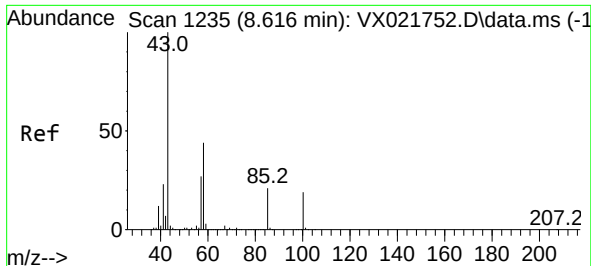
Tgt Ion: 98 Resp: 317603

Ion Ratio Lower Upper

98 100

100 65.7 51.9 77.9

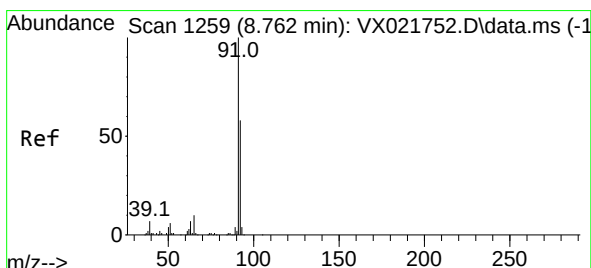
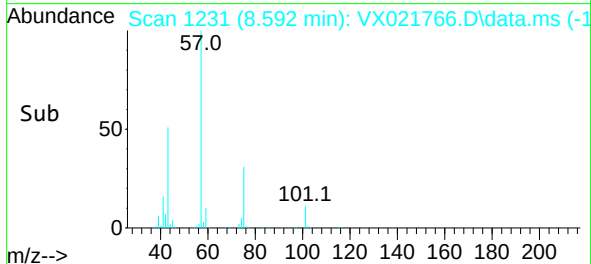
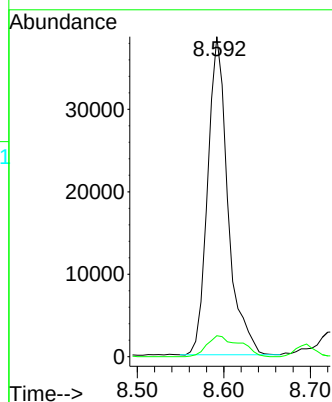
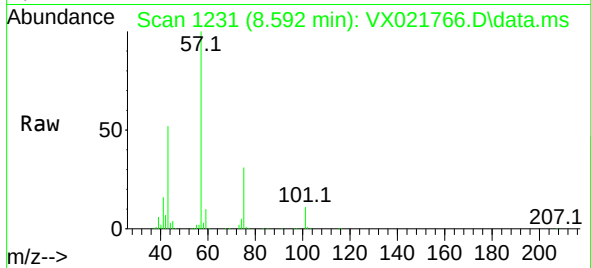




#51
4-Methyl-2-Pentanone
Concen: 27.59 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. -0.024 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

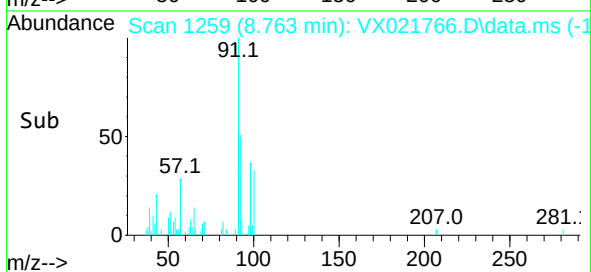
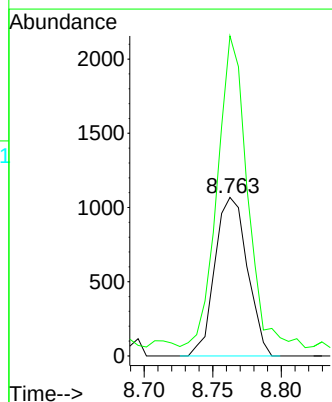
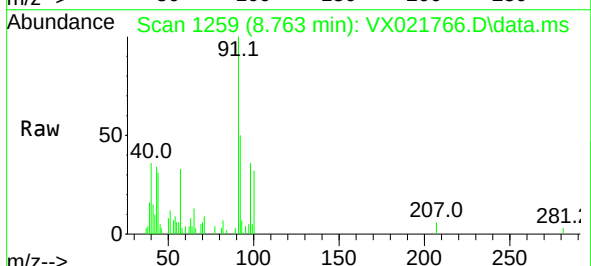
Instrument :
MSVOA_X
ClientSampled :

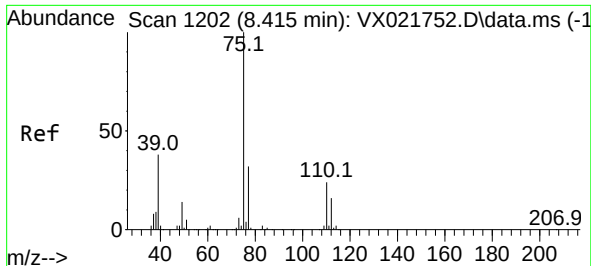
Tgt Ion: 43 Resp: 62478
Ion Ratio Lower Upper
43 100
58 10.7 35.4 53.0#



#52
Toluene
Concen: 0.38 ug/l
RT: 8.763 min Scan# 1259
Delta R.T. 0.001 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

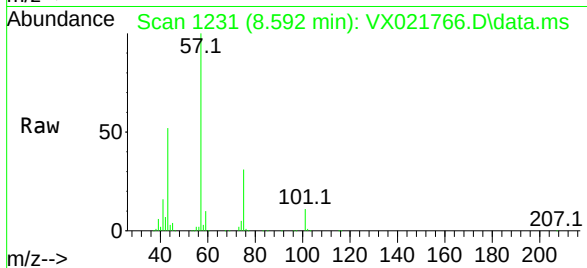
Tgt Ion: 92 Resp: 1760
Ion Ratio Lower Upper
92 100
91 182.7 137.1 205.7



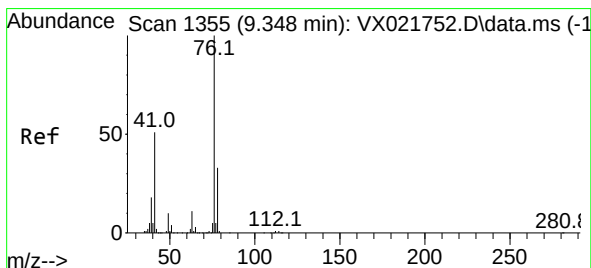
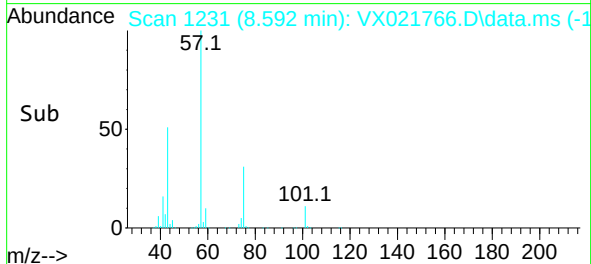
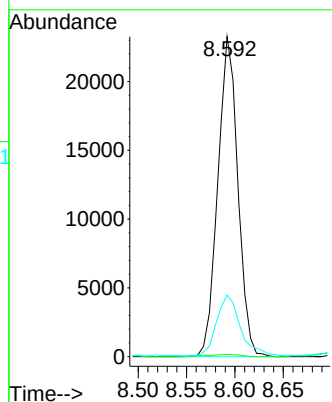


#54
cis-1,3-Dichloropropene
Concen: 10.49 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.177 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Instrument :
MSVOA_X
ClientSampled :

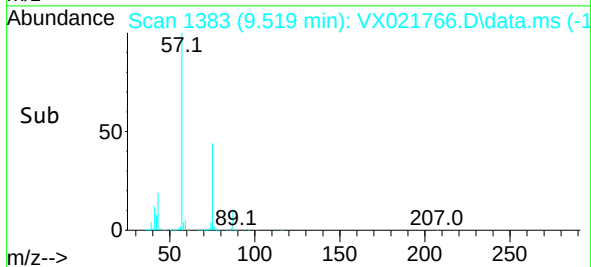
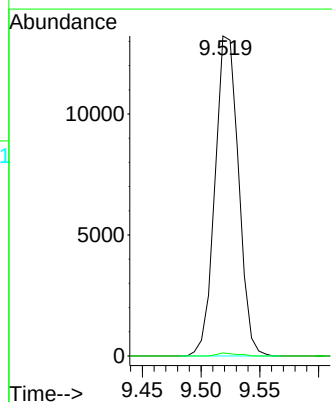
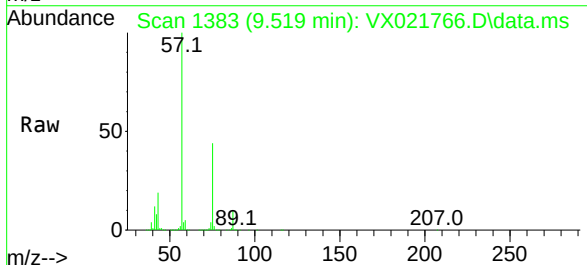


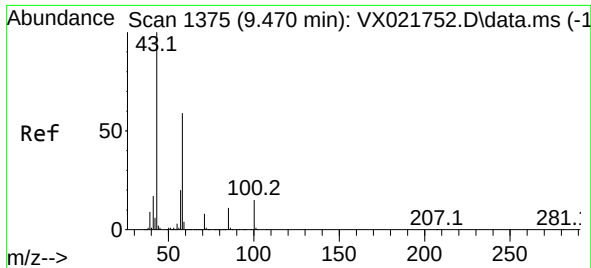
Tgt Ion: 75 Resp: 33477
Ion Ratio Lower Upper
75 100
77 0.8 25.7 38.5#
39 19.0 35.1 52.7#



#57
1,3-Dichloropropane
Concen: 6.02 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.171 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Tgt Ion: 76 Resp: 18437
Ion Ratio Lower Upper
76 100
78 0.8 26.2 39.2#

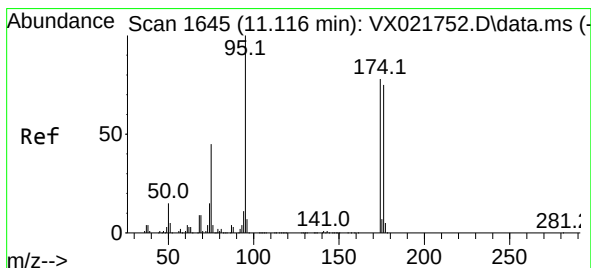
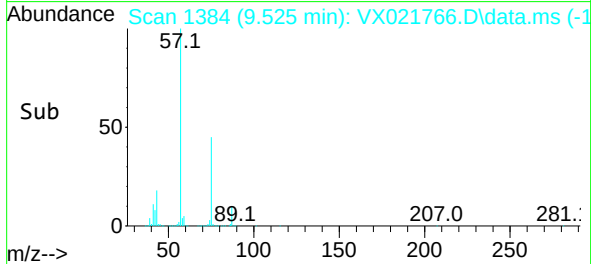
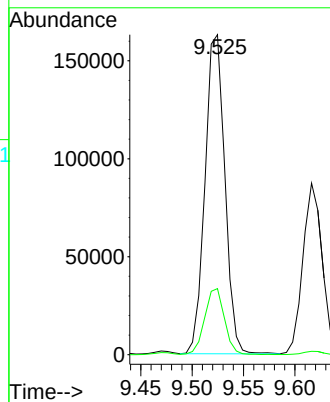
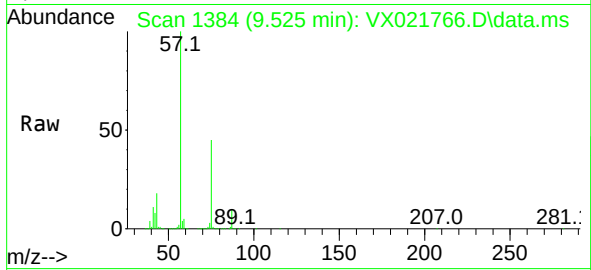




#59
2-Hexanone
Concen: 129.37 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.055 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

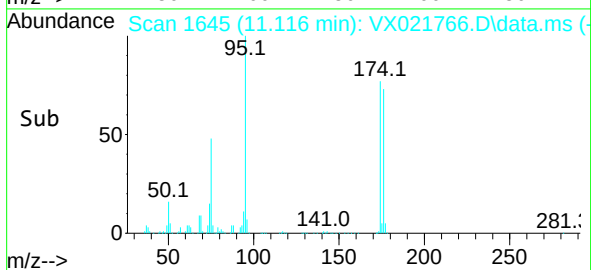
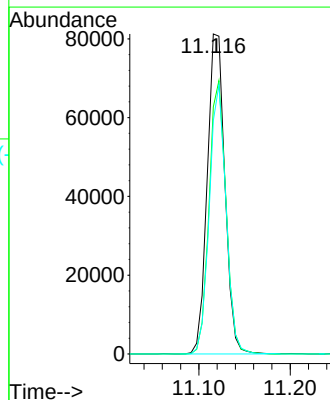
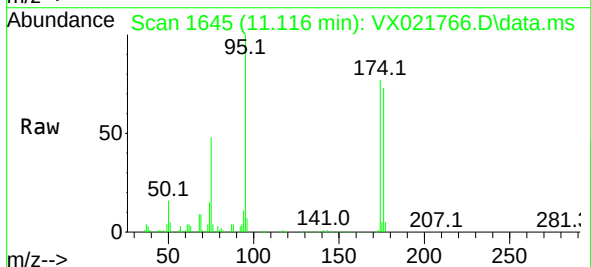
Instrument :
MSVOA_X
ClientSampled :

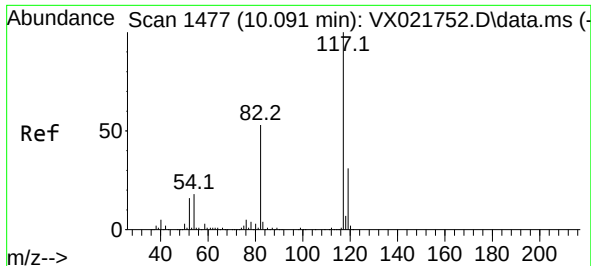
Tgt Ion: 43 Resp: 219587
Ion Ratio Lower Upper
43 100
58 20.7 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 43.43 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.000 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Tgt Ion: 95 Resp: 108546
Ion Ratio Lower Upper
95 100
174 82.1 0.0 154.6
176 79.7 0.0 155.8

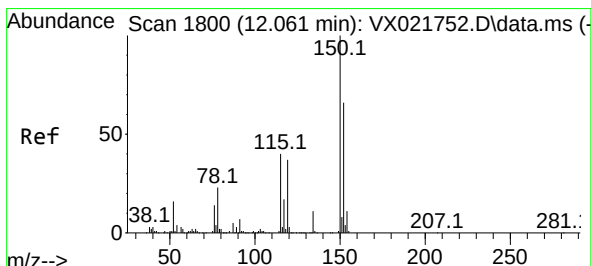
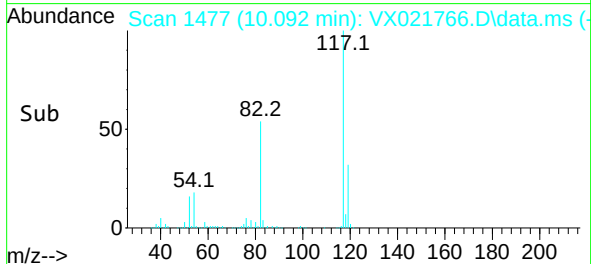
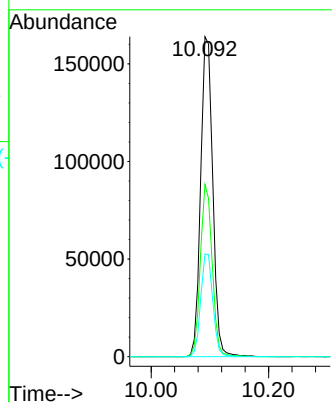
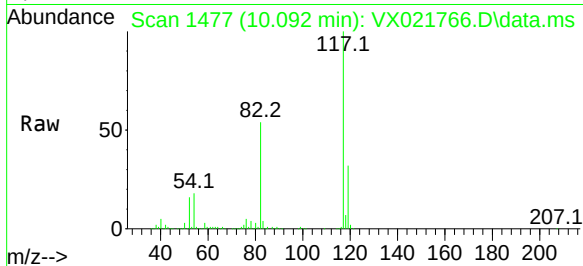




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.092 min Scan# 1477
Delta R.T. 0.001 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

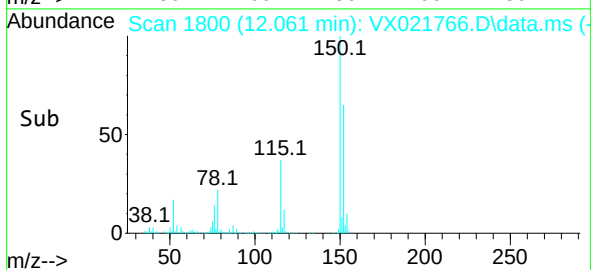
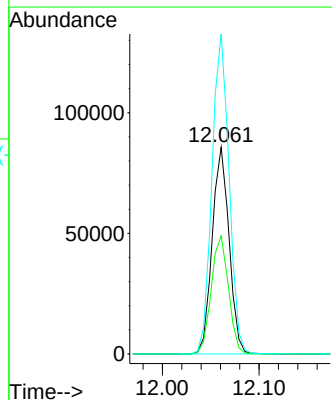
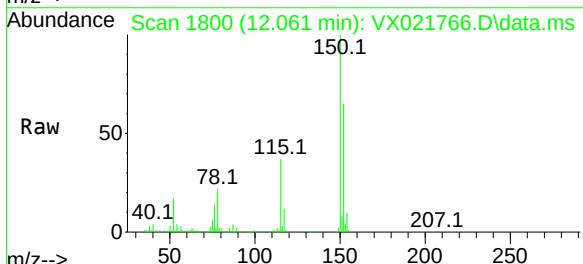
Instrument :
MSVOA_X
ClientSampled :

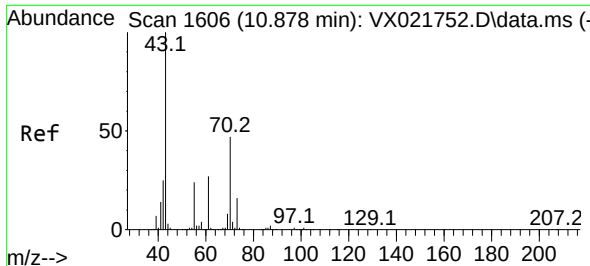
Tgt Ion:117 Resp: 233818
Ion Ratio Lower Upper
117 100
82 53.8 47.4 71.2
119 32.1 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.061 min Scan# 1800
Delta R.T. -0.000 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

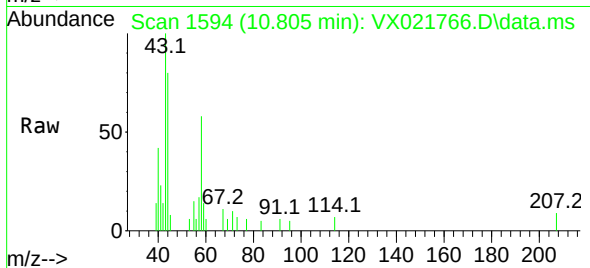
Tgt Ion:152 Resp: 103986
Ion Ratio Lower Upper
152 100
115 58.1 41.1 123.3
150 156.7 0.0 349.0



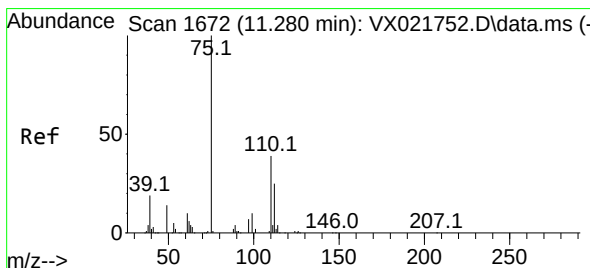
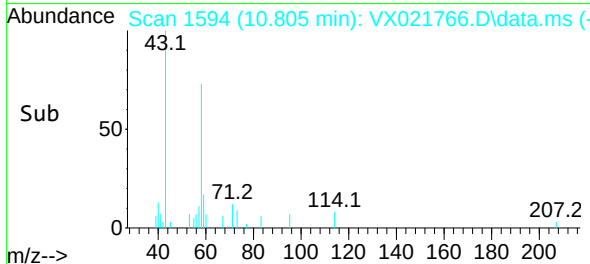
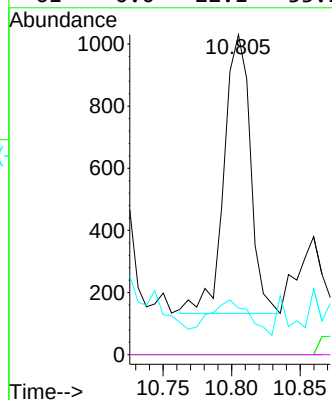


#74
N-amy1 acetate
Concen: 0.43 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.073 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Instrument :
MSVOA_X
ClientSampleId :

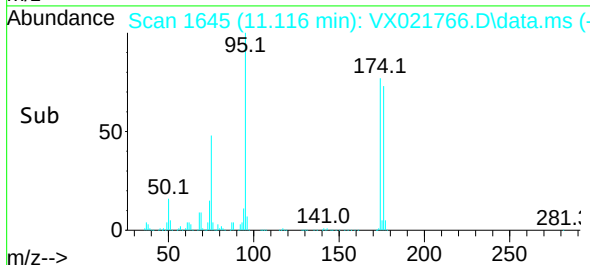
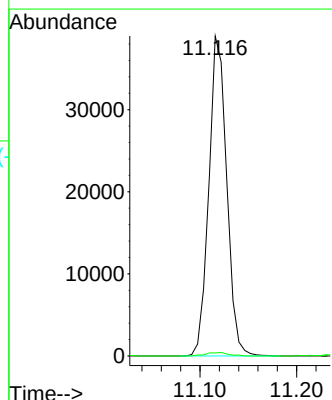
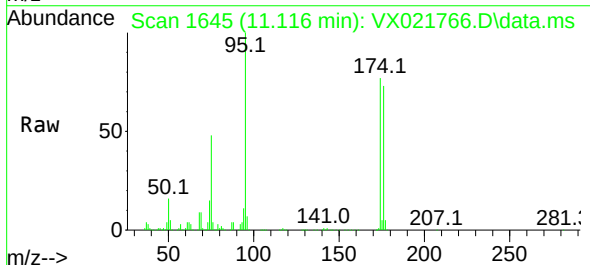


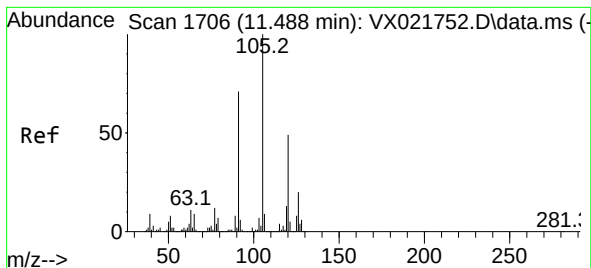
Tgt Ion: 43 Resp: 1198
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 18.8 21.5 32.3#
61 0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 24.29 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. -0.164 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Tgt Ion: 75 Resp: 50095
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#

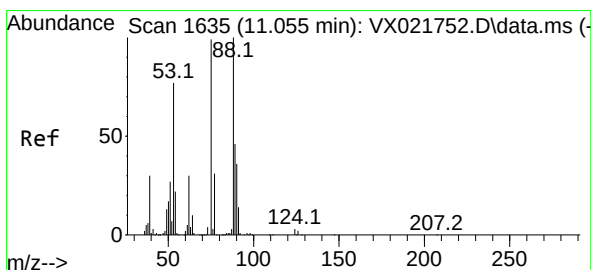
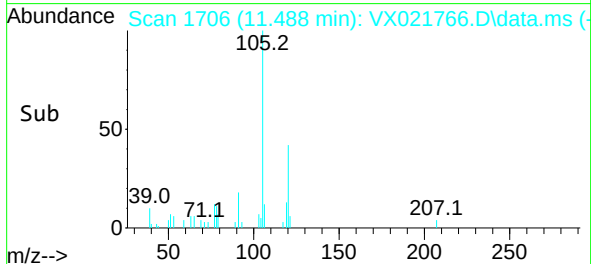
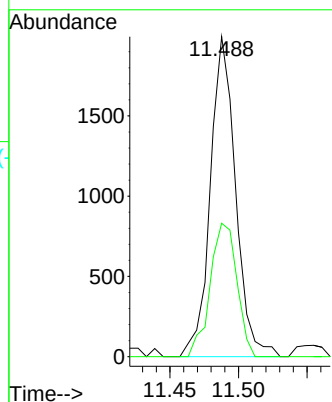
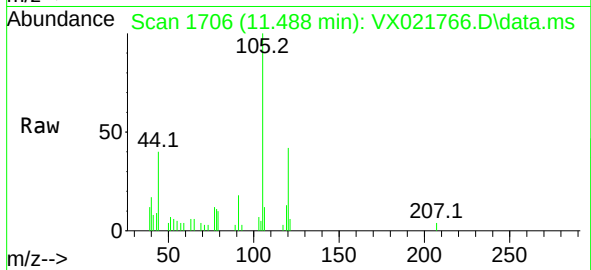




#80
1,3,5-Trimethylbenzene
Concen: 0.41 ug/l
RT: 11.488 min Scan# 1706
Delta R.T. -0.000 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:105 Resp: 2562
Ion Ratio Lower Upper
105 100
120 44.0 23.8 71.5



#81
trans-1,4-Dichloro-2-butene
Concen: 55.86 ug/l
RT: 11.116 min Scan# 1645
Delta R.T. 0.061 min
Lab File: VX021766.D
Acq: 20 Apr 2021 20:15

Tgt Ion: 75 Resp: 50095
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

