

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032221\
 Data File : VX021352.D
 Acq On : 22 Mar 2021 13:01
 Operator : JC/MD
 Sample : M1755-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 23 01:59:28 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

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

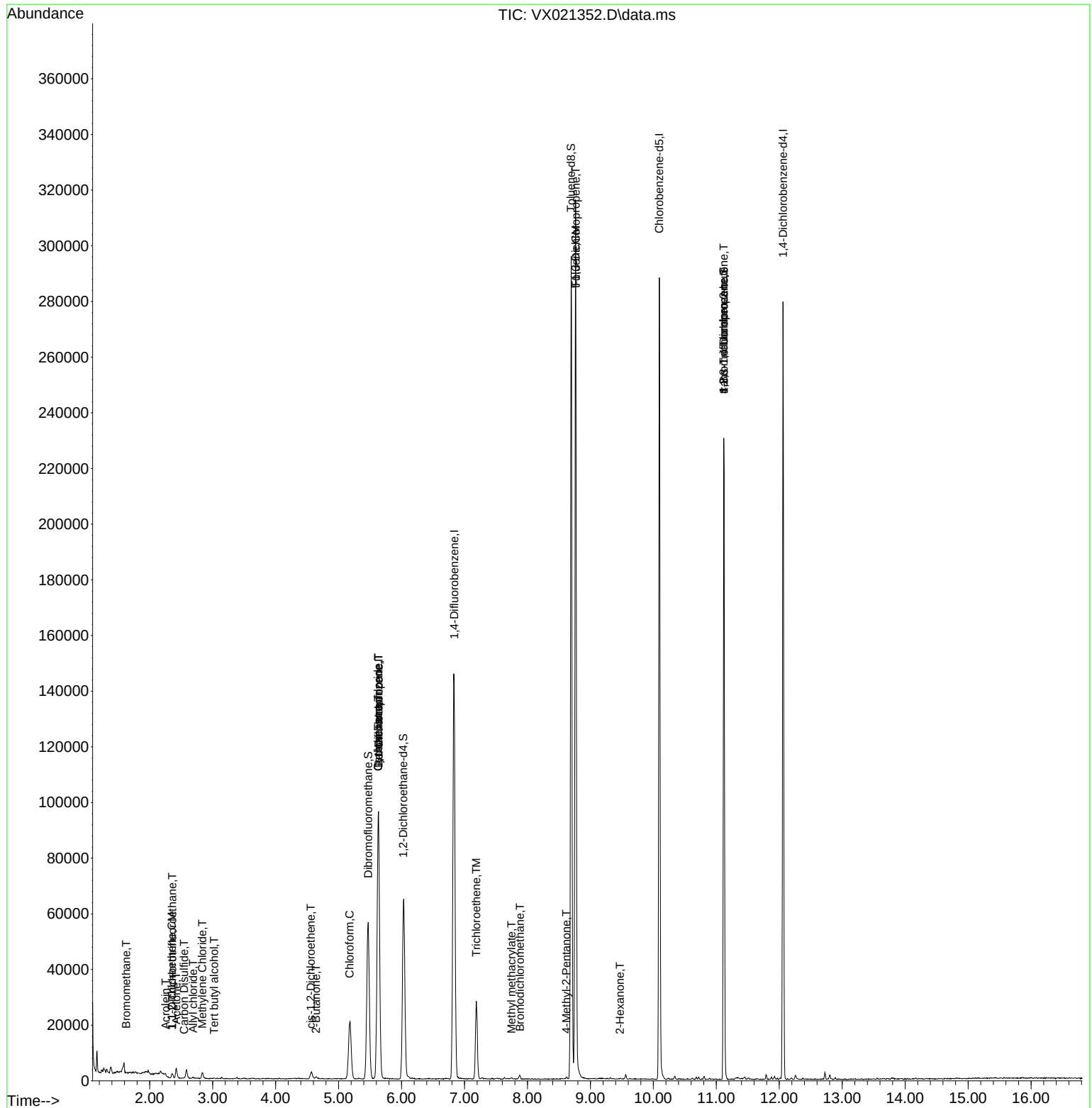
Internal Standards						
1) Pentafluorobenzene	5.635	168	82577	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	136388	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	118859	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	50623	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	64462	47.59	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	95.18%		
35) Dibromofluoromethane	5.470	113	46278	49.86	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.72%		
50) Toluene-d8	8.694	98	164629	48.89	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.78%		
62) 4-Bromofluorobenzene	11.118	95	59237	45.30	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.60%		
Target Compounds						Qvalue
3) Chloromethane	1.317	50	1378	Below Cal		91
5) Bromomethane	1.629	94	99	0.23 ug/l		91
9) 1,1,2-Trichlorotrifluo...	2.358	101	186	0.22 ug/l #		74
11) Tert butyl alcohol	3.023	59	118	0.52 ug/l #		73
12) 1,1-Dichloroethene	2.352	96	353	0.42 ug/l		91
13) Acrolein	2.252	56	38	3.40 ug/l #		14
14) Allyl chloride	2.688	41	444	0.26 ug/l #		50
16) Acetone	2.423	43	3760	7.54 ug/l #		88
17) Carbon Disulfide	2.546	76	267	0.64 ug/l #		75
20) Methylene Chloride	2.835	84	914	0.89 ug/l #		83
25) 2-Butanone	4.641	43	1281	1.67 ug/l		99
27) cis-1,2-Dichloroethene	4.558	96	1459	1.35 ug/l		95
30) Chloroform	5.176	83	23841	12.72 ug/l		99
31) Cyclohexane	5.629	56	2299	1.40 ug/l #		25
36) 1,1-Dichloropropene	5.635	75	7483	5.45 ug/l #		49
38) Carbon Tetrachloride	5.629	117	8912	6.24 ug/l #		16
44) Trichloroethene	7.188	130	9555	9.50 ug/l		86
47) Bromodichloromethane	7.882	83	901	0.60 ug/l #		83
48) Methyl methacrylate	7.747	41	285	0.21 ug/l #		54
51) 4-Methyl-2-Pentanone	8.618	43	800	0.53 ug/l #		56
52) Toluene	8.765	92	108828	46.47 ug/l		99
53) t-1,3-Dichloropropene	8.765	75	1363	0.86 ug/l #		1
59) 2-Hexanone	9.471	43	333	0.29 ug/l #		52
76) 1,2,3-Trichloropropane	11.118	75	33898	28.87 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.118	75	33898	78.37 ug/l #		12

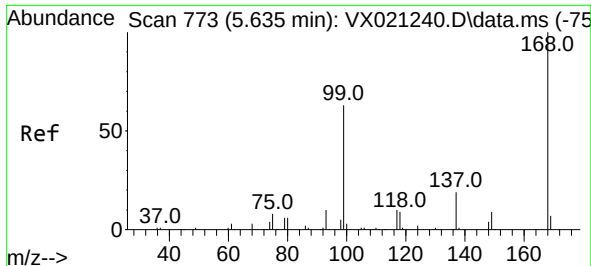
(#) = qualifier out of range (m) = manual integration (+) = signals summed

```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032221\  
Data File : VX021352.D  
Acq On    : 22 Mar 2021 13:01  
Operator  : JC/MD  
Sample    : M1755-02  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 9 Sample Multiplier: 1
```

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 23 01:59:28 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 16 14:00:21 2021
Response via : Initial Calibration

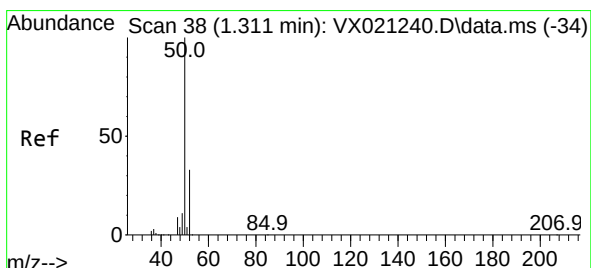
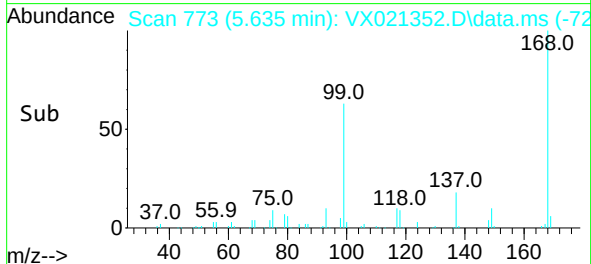
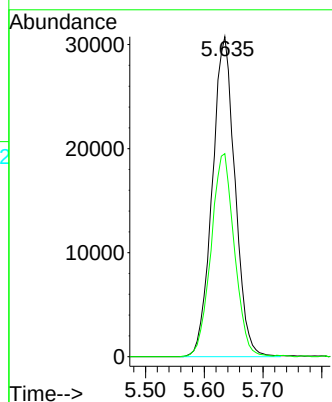
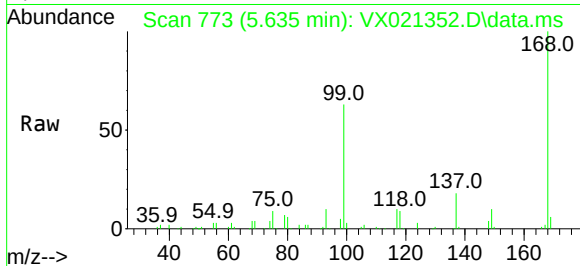




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

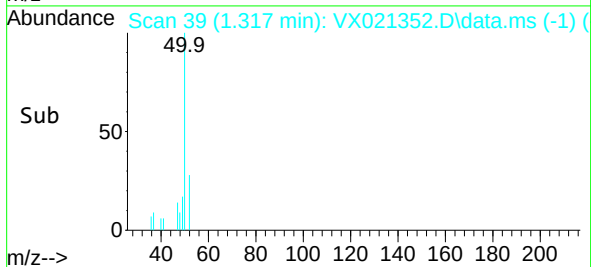
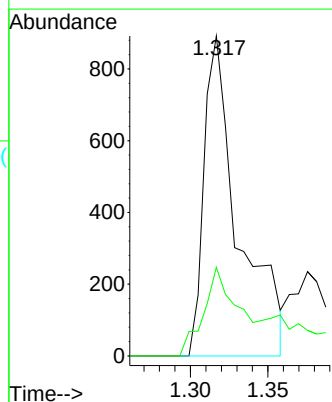
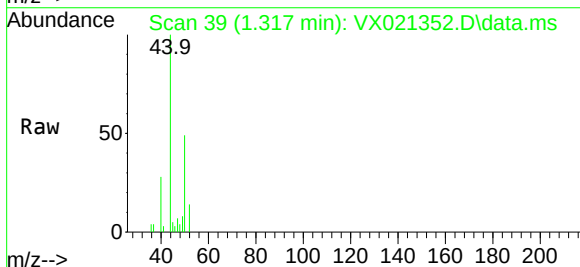
Instrument :
MSVOA_X
ClientSampleId :

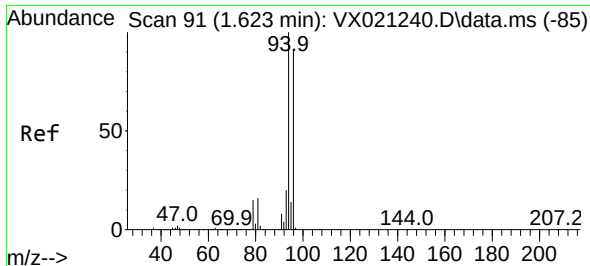
Tgt Ion:168 Resp: 82577
Ion Ratio Lower Upper
168 100
99 63.4 45.8 68.6



#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

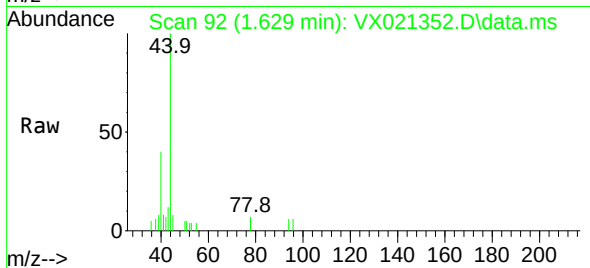
Tgt Ion: 50 Resp: 1378
Ion Ratio Lower Upper
50 100
52 27.7 26.4 39.6



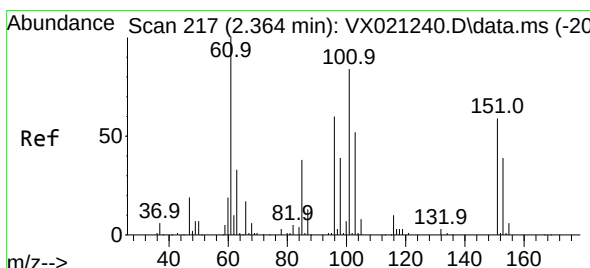
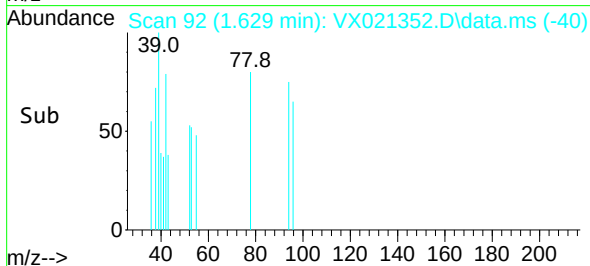
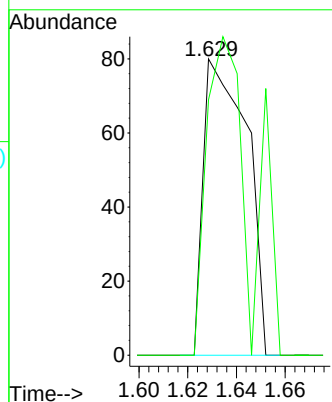


#5
Bromomethane
Concen: 0.23 ug/l
RT: 1.629 min Scan# 92
Delta R.T. 0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Instrument :
MSVOA_X
ClientSampled :

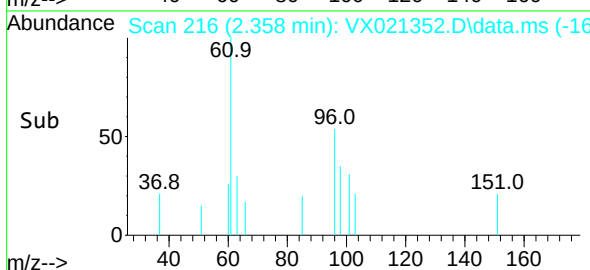
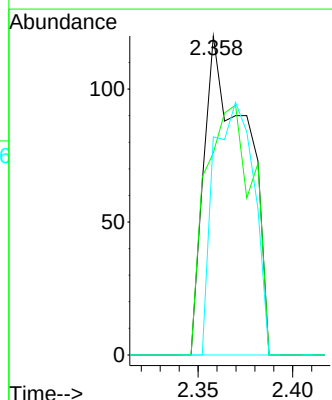
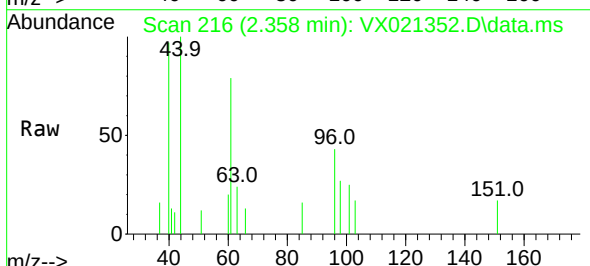


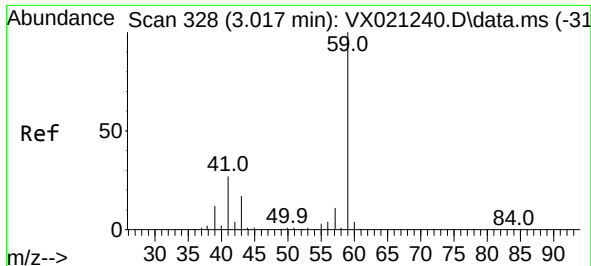
Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 86.3 76.4 114.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.22 ug/l
RT: 2.358 min Scan# 216
Delta R.T. -0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 101 Resp: 186
Ion Ratio Lower Upper
101 100
85 87.1 34.9 52.3#
151 75.3 61.4 92.2

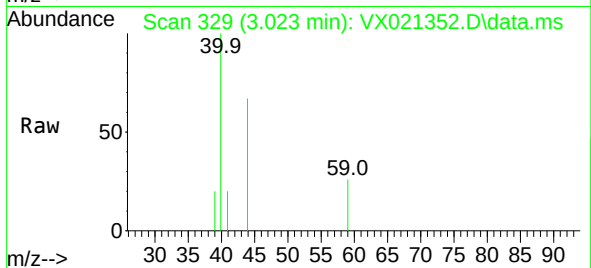




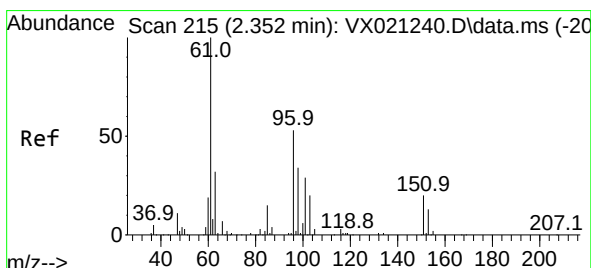
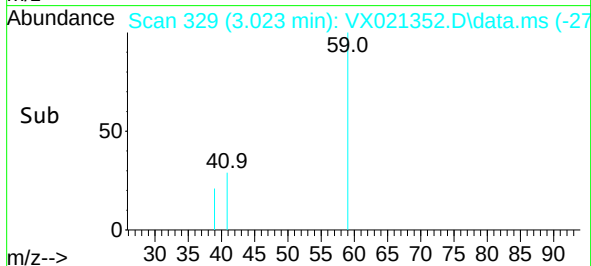
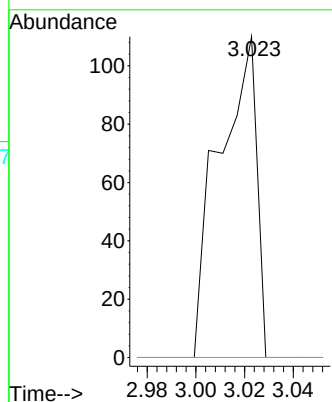
#11

Tert butyl alcohol
Concen: 0.52 ug/l
RT: 3.023 min Scan# 329
Delta R.T. 0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Instrument :
MSVOA_X
ClientSampled :



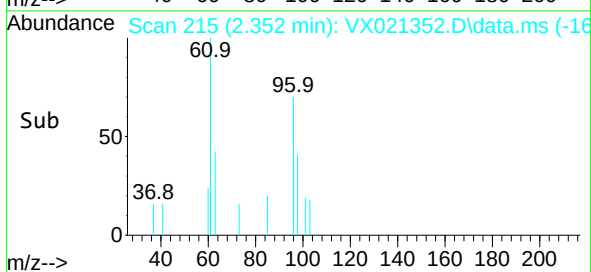
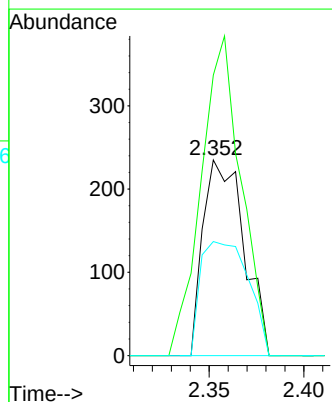
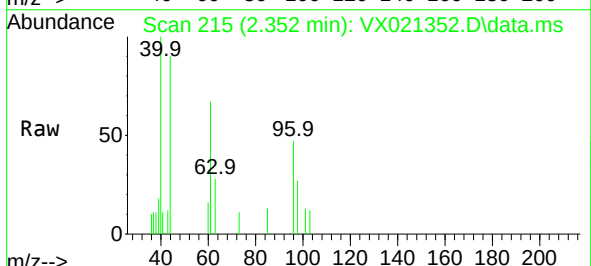
Tgt Ion: 59 Resp: 118
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

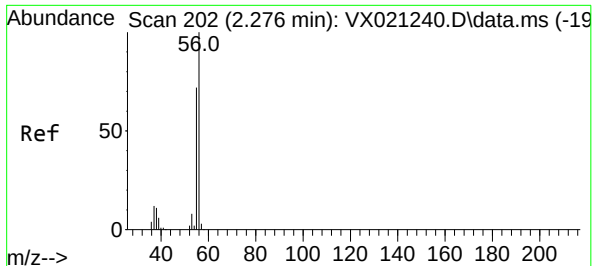


#12

1,1-Dichloroethene
Concen: 0.42 ug/l
RT: 2.352 min Scan# 215
Delta R.T. 0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 96 Resp: 353
Ion Ratio Lower Upper
96 100
61 143.4 124.6 187.0
98 58.3 50.6 76.0

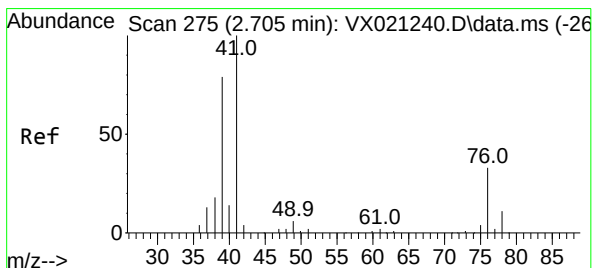
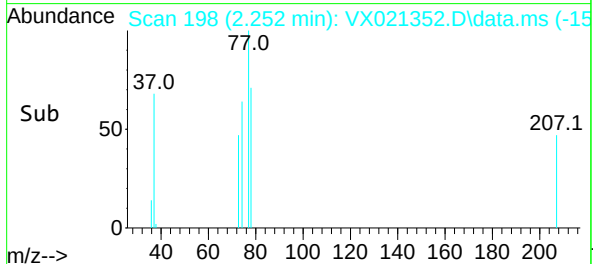
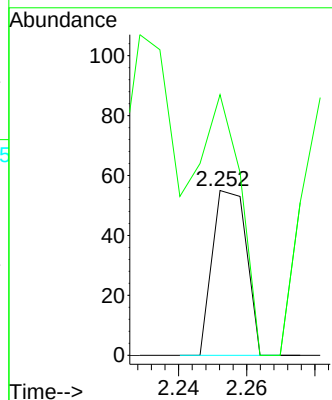
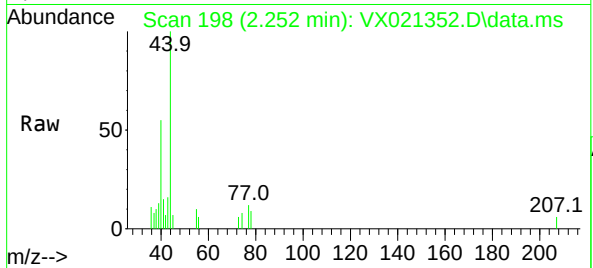




#13
Acrolein
Concen: 3.40 ug/l
RT: 2.252 min Scan# 198
Delta R.T. -0.024 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

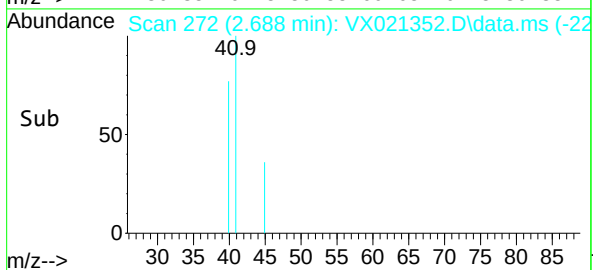
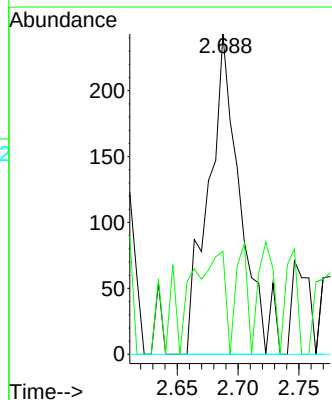
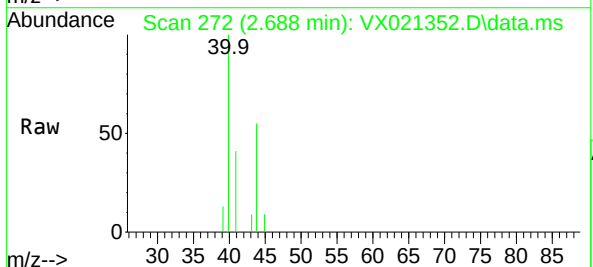
Instrument :
MSVOA_X
ClientSampled :

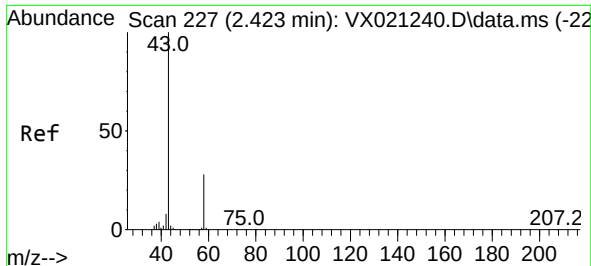
Tgt Ion: 56 Resp: 38
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.26 ug/l
RT: 2.688 min Scan# 272
Delta R.T. -0.018 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 41 Resp: 444
Ion Ratio Lower Upper
41 100
39 31.3 51.6 77.4#
76 0.0 30.5 45.7#

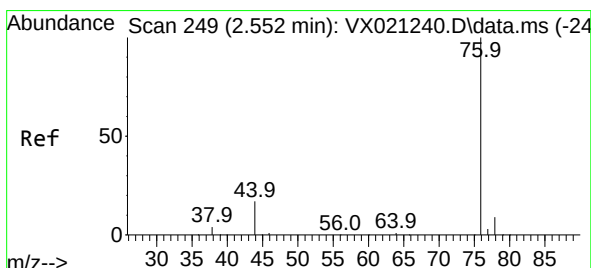
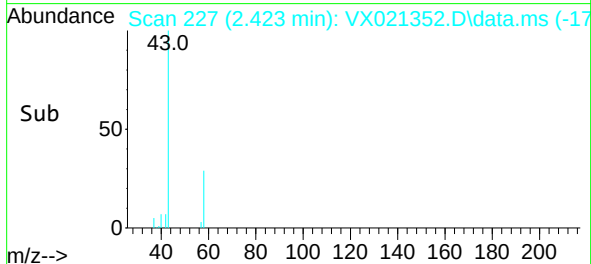
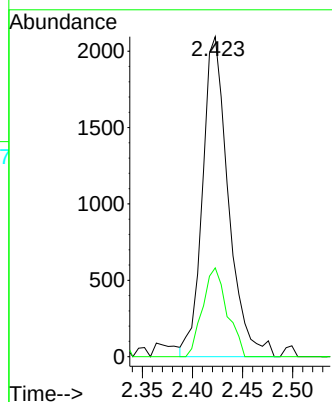
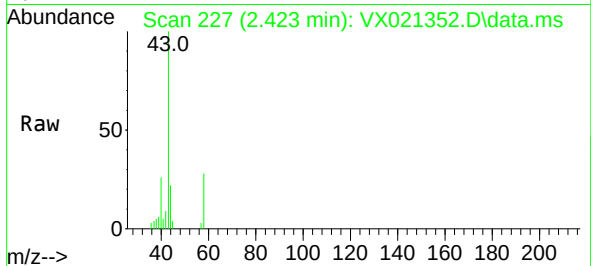




#16
Acetone
Concen: 7.54 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

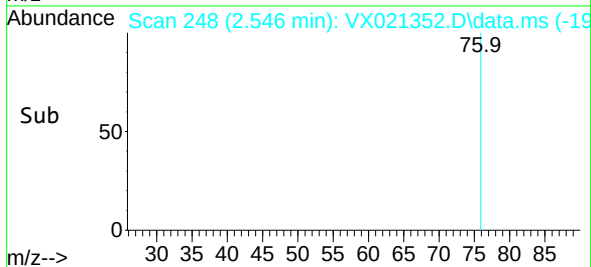
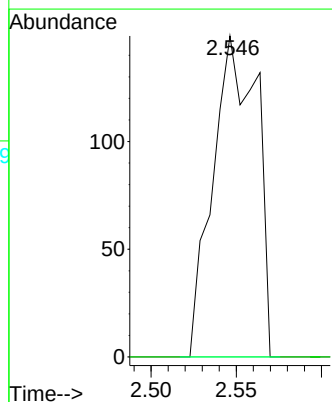
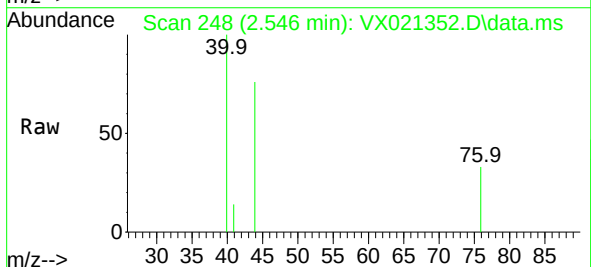
Instrument :
MSVOA_X
ClientSampled :

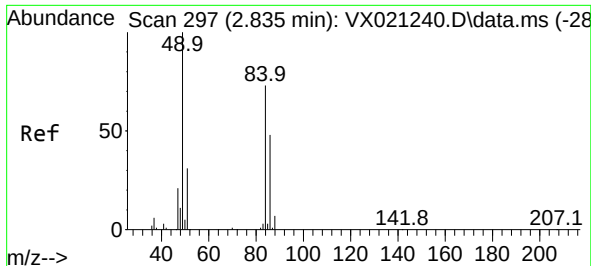
Tgt Ion: 43 Resp: 3760
Ion Ratio Lower Upper
43 100
58 27.7 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.64 ug/l
RT: 2.546 min Scan# 248
Delta R.T. -0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

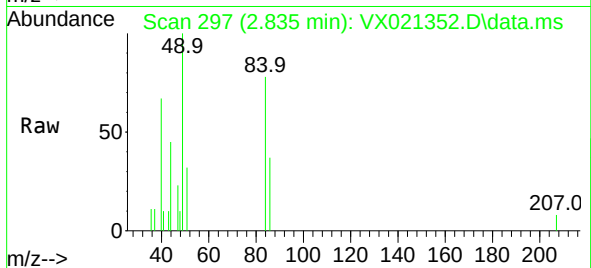
Tgt Ion: 76 Resp: 267
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





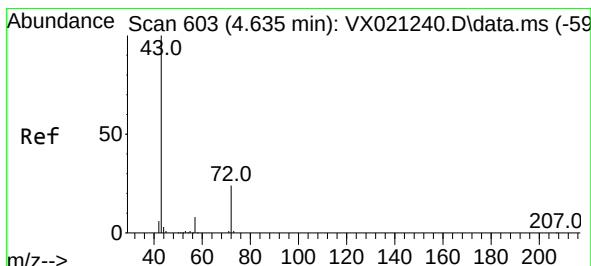
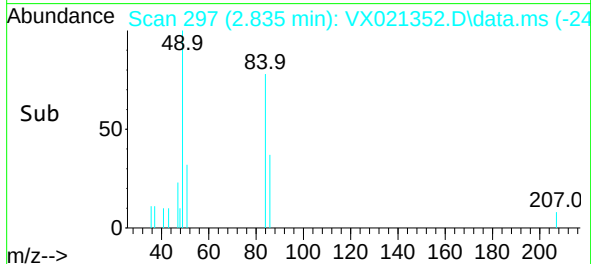
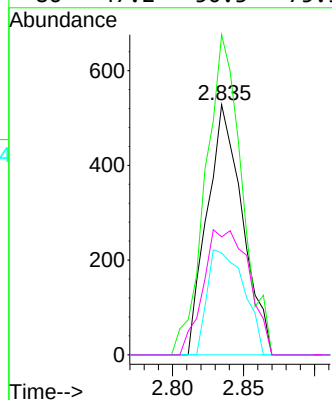
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Methylene Chloride
Concen: 0.89 ug/l
RT: 2.835 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion: 84 Resp: 914

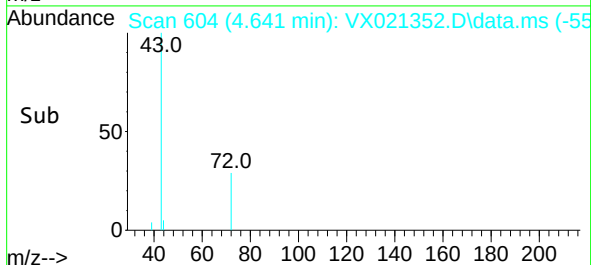
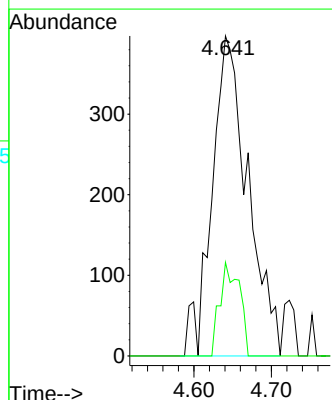
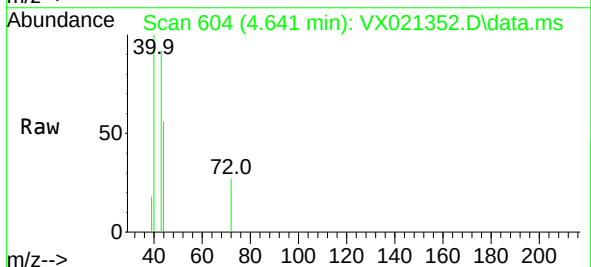
Ion	Ratio	Lower	Upper
84	100		
49	128.0	88.6	132.8
51	40.7	27.0	40.6#
86	47.2	50.3	75.5#

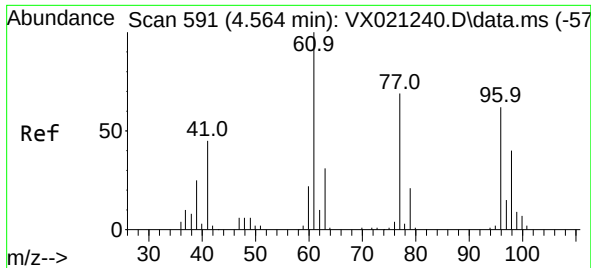


#25
2-Butanone
Concen: 1.67 ug/l
RT: 4.641 min Scan# 604
Delta R.T. 0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 43 Resp: 1281

Ion	Ratio	Lower	Upper
43	100		
72	29.2	23.7	35.5





#27

cis-1,2-Dichloroethene

Concen: 1.35 ug/l

RT: 4.558 min Scan# 590

Delta R.T. -0.006 min

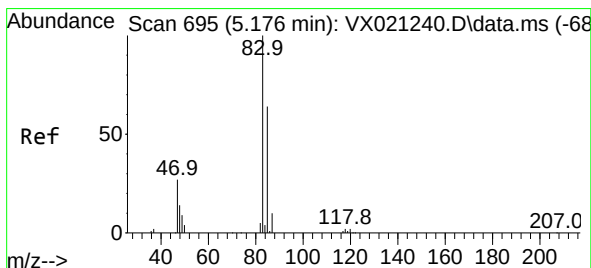
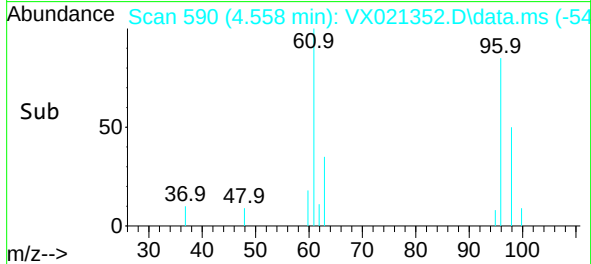
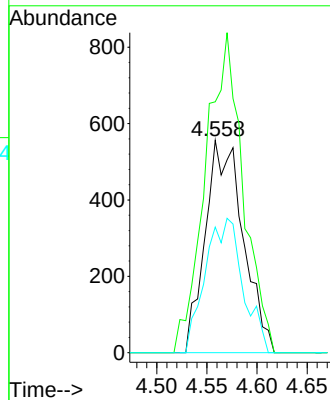
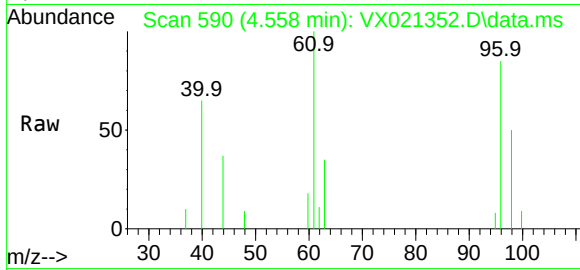
Lab File: VX021352.D

Acq: 22 Mar 2021 13:01

Tgt Ion: 96 Resp: 1459

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	285.6
98	63.1	0.0	129.6

Instrument :
MSVOA_X
ClientSampled :



#30

Chloroform

Concen: 12.72 ug/l

RT: 5.176 min Scan# 695

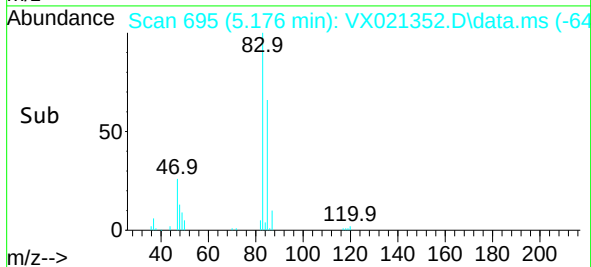
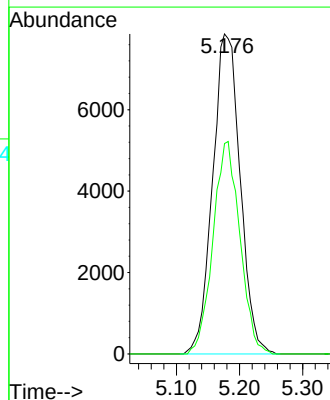
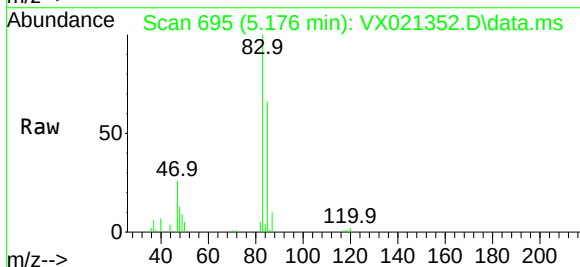
Delta R.T. 0.000 min

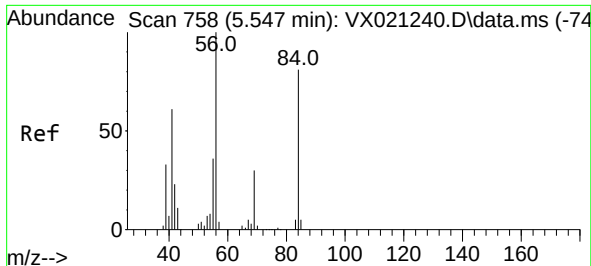
Lab File: VX021352.D

Acq: 22 Mar 2021 13:01

Tgt Ion: 83 Resp: 23841

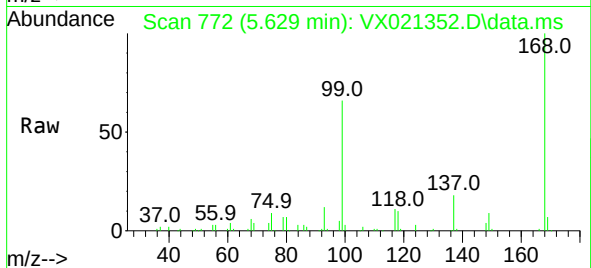
Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.0	78.0



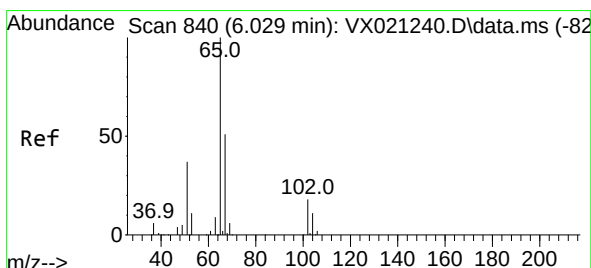
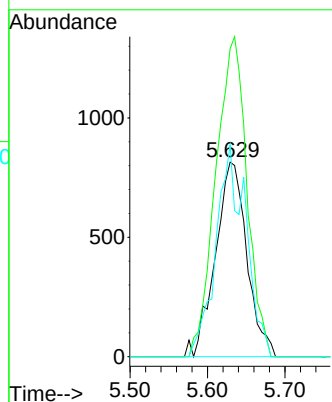
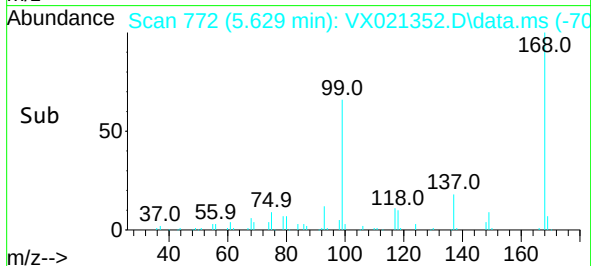


#31
Cyclohexane
Concen: 1.40 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

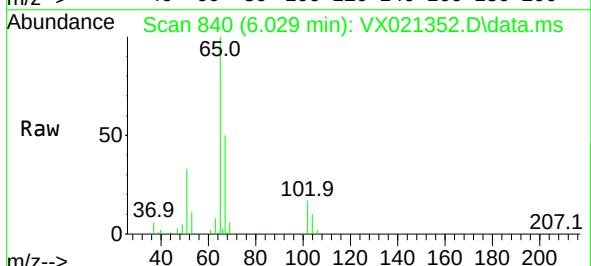
Instrument :
MSVOA_X
ClientSampleId :



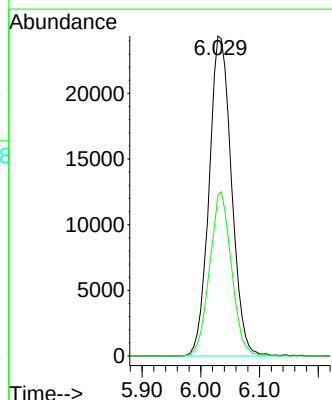
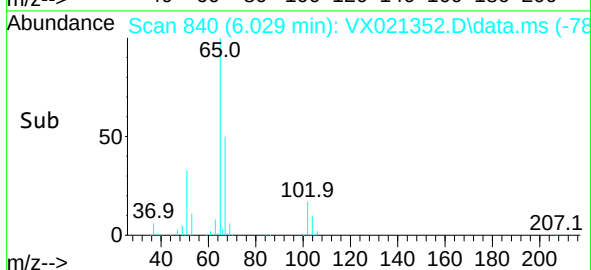
Tgt Ion: 56 Resp: 2299
Ion Ratio Lower Upper
56 100
69 158.3 25.3 37.9#
84 108.8 71.4 107.0#

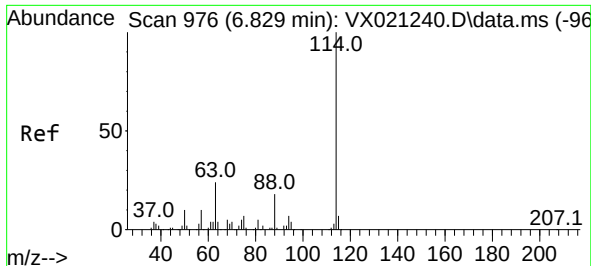


#33
1,2-Dichloroethane-d4
Concen: 47.59 ug/l
RT: 6.029 min Scan# 840
Delta R.T. 0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01



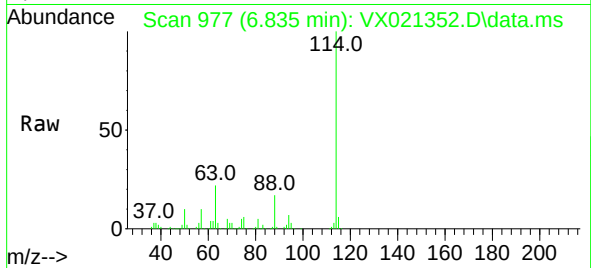
Tgt Ion: 65 Resp: 64462
Ion Ratio Lower Upper
65 100
67 50.0 0.0 105.4



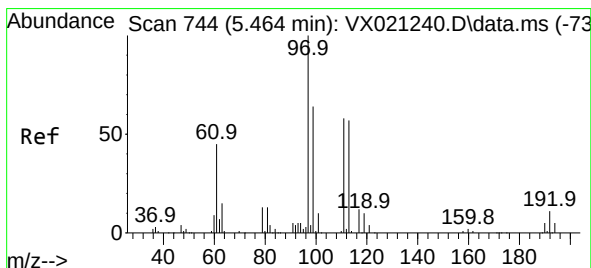
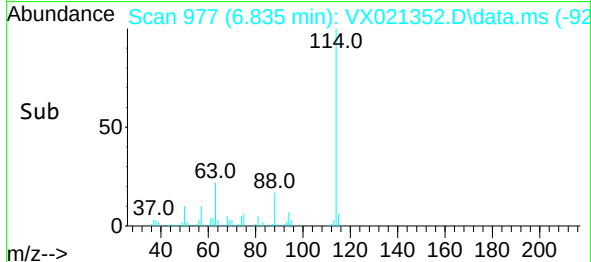
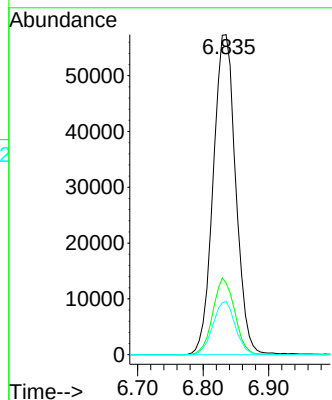


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.835 min Scan# 977
Delta R.T. 0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Instrument :
MSVOA_X
ClientSampled :

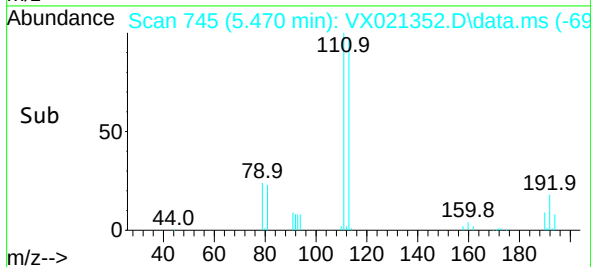
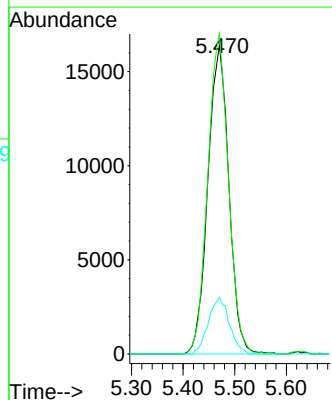
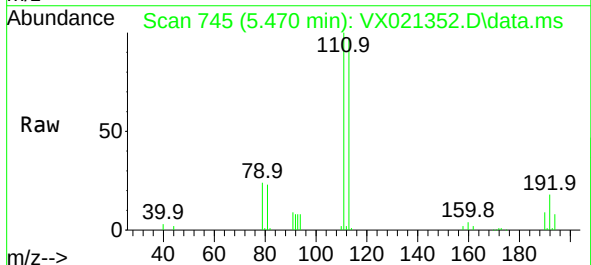


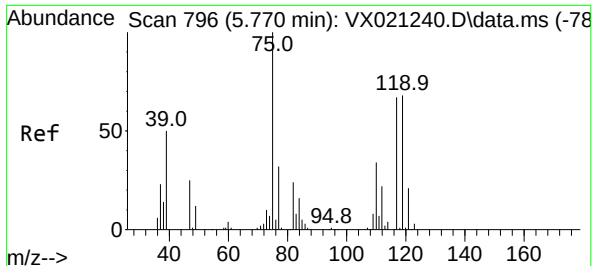
Tgt Ion:114 Resp: 136388
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.8
88 16.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.86 ug/l
RT: 5.470 min Scan# 745
Delta R.T. 0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

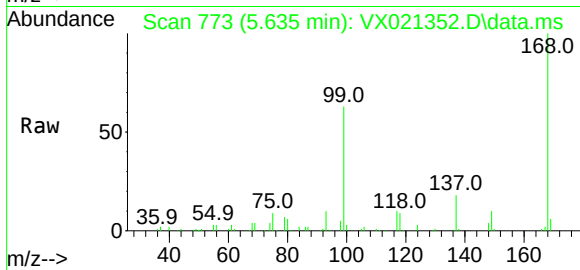
Tgt Ion:113 Resp: 46278
Ion Ratio Lower Upper
113 100
111 102.5 81.9 122.9
192 18.3 16.7 25.1



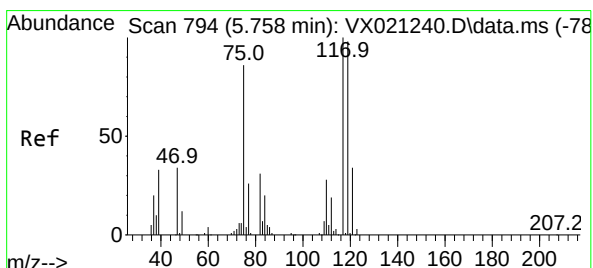
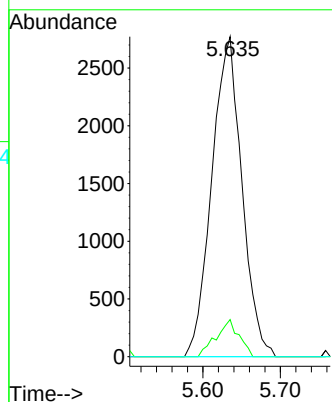
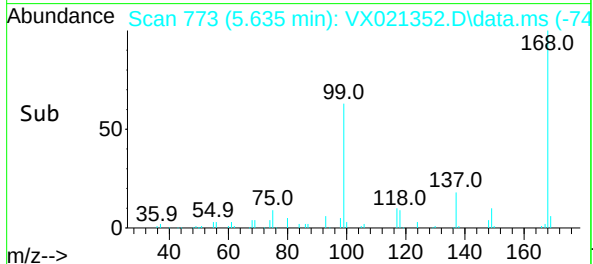


#36
1,1-Dichloropropene
Concen: 5.45 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.135 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

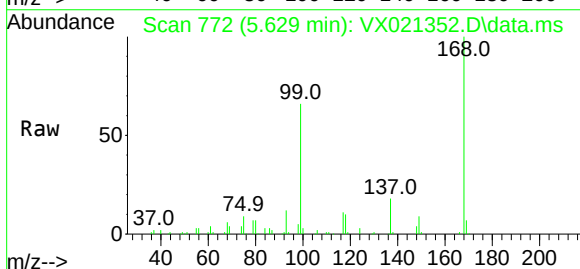
Instrument :
MSVOA_X
ClientSampled :



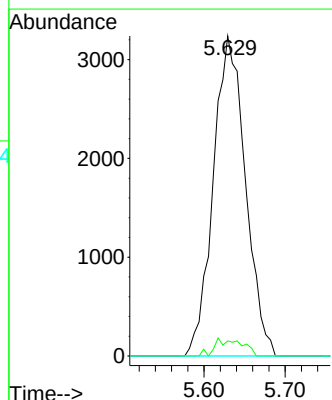
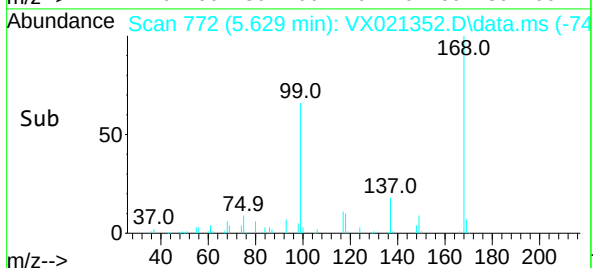
Tgt Ion: 75 Resp: 7483
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.4#
77 0.0 25.3 37.9#

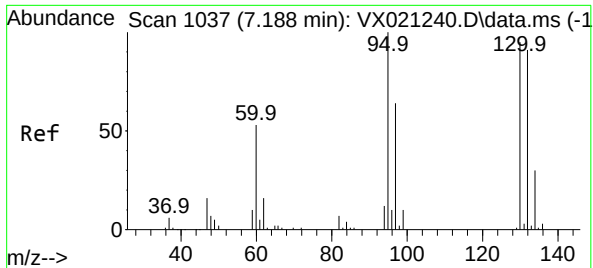


#38
Carbon Tetrachloride
Concen: 6.24 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.129 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01



Tgt Ion: 117 Resp: 8912
Ion Ratio Lower Upper
117 100
119 4.7 76.2 114.2#
121 0.0 24.8 37.2#

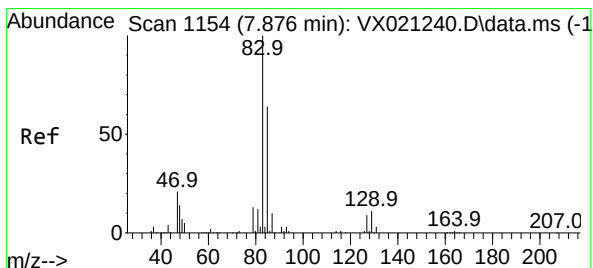
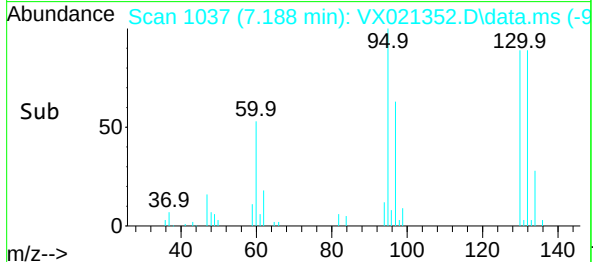
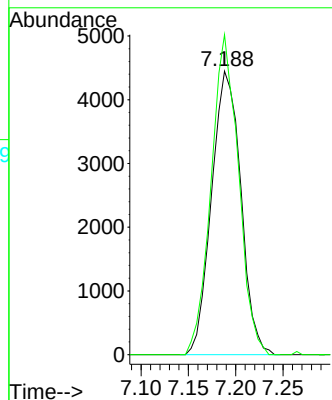
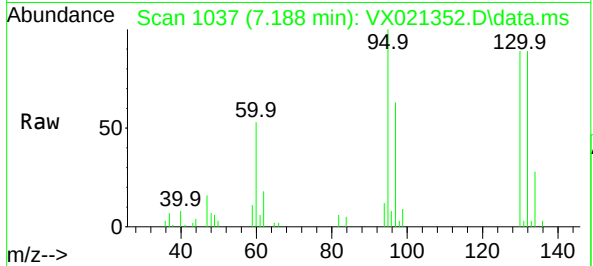




#44
Trichloroethene
Concen: 9.50 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

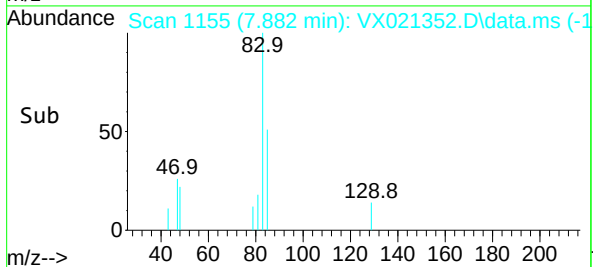
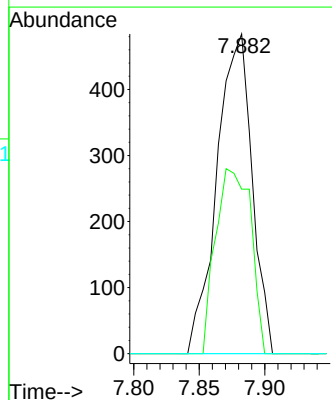
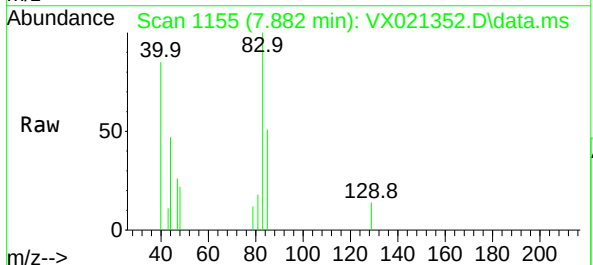
Instrument :
MSVOA_X
ClientSampled :

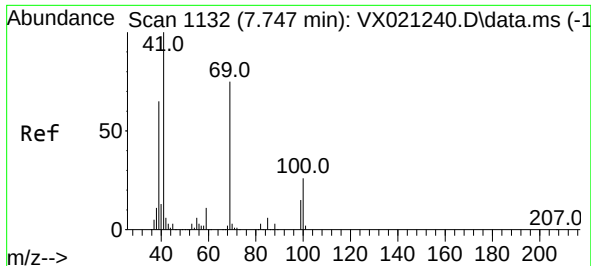
Tgt Ion:130 Resp: 9555
Ion Ratio Lower Upper
130 100
95 112.9 0.0 198.0



#47
Bromodichloromethane
Concen: 0.60 ug/l
RT: 7.882 min Scan# 1155
Delta R.T. 0.006 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 83 Resp: 901
Ion Ratio Lower Upper
83 100
85 51.4 51.4 77.0
127 0.0 6.8 10.2#

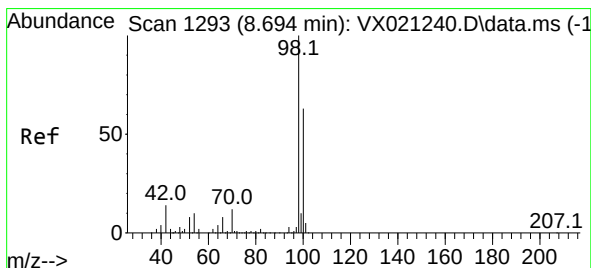
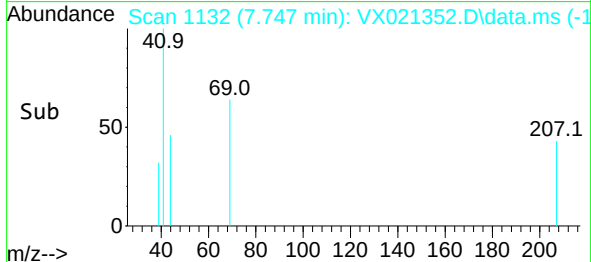
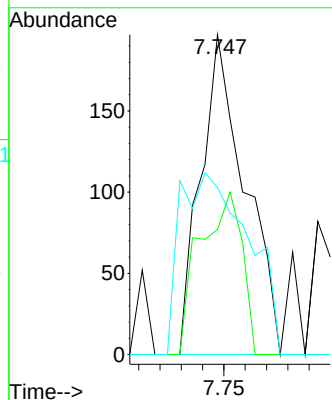
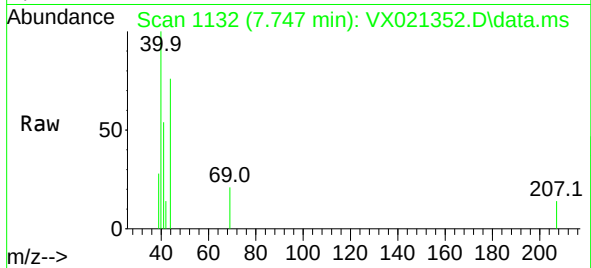




#48
Methyl methacrylate
Concen: 0.21 ug/l
RT: 7.747 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

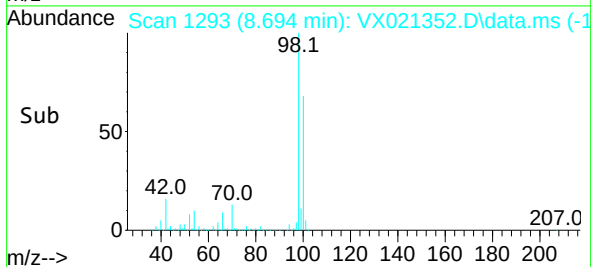
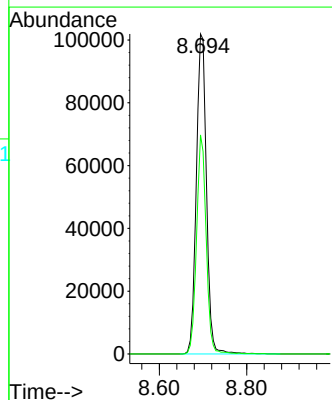
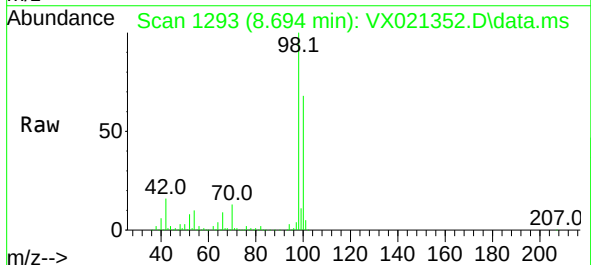
Instrument :
MSVOA_X
ClientSampleId :

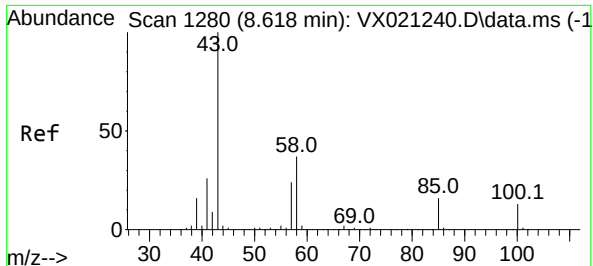
Tgt Ion: 41 Resp: 285
Ion Ratio Lower Upper
41 100
69 48.1 76.0 114.0#
39 87.4 44.6 67.0#



#50
Toluene-d8
Concen: 48.89 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. 0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 98 Resp: 164629
Ion Ratio Lower Upper
98 100
100 64.9 51.9 77.9

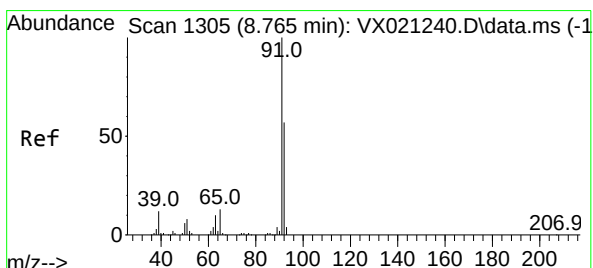
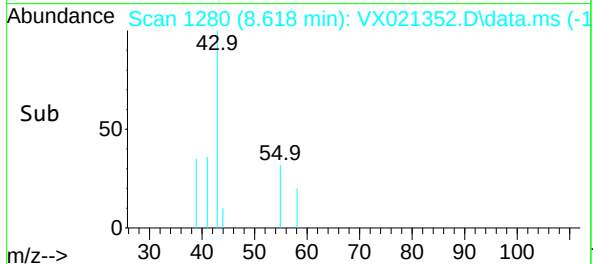
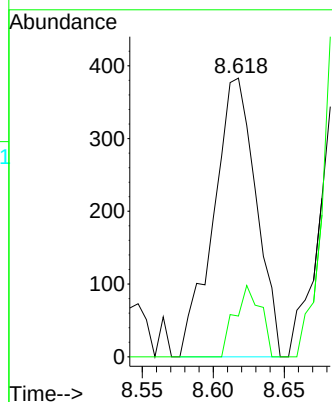
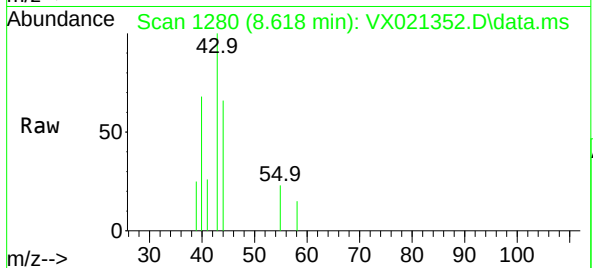




#51
4-Methyl-2-Pentanone
Concen: 0.53 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

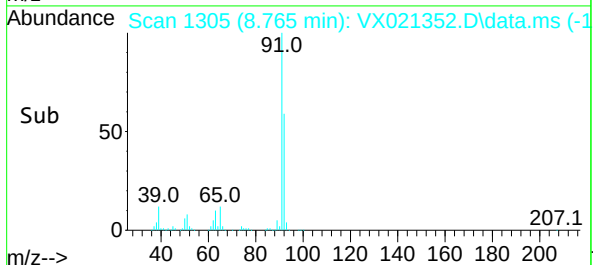
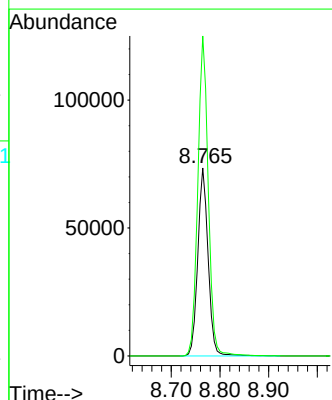
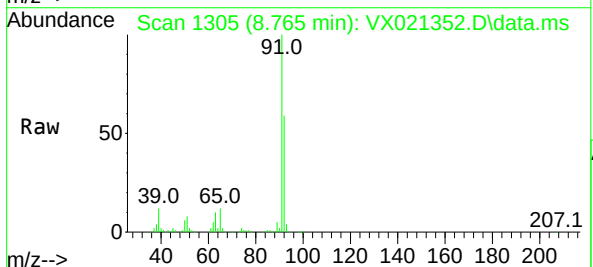
Instrument :
MSVOA_X
ClientSampled :

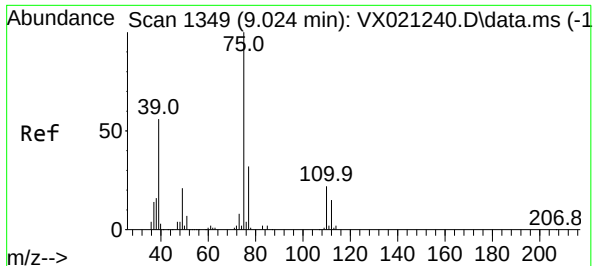
Tgt Ion: 43 Resp: 800
Ion Ratio Lower Upper
43 100
58 15.5 35.4 53.0#



#52
Toluene
Concen: 46.47 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 92 Resp: 108828
Ion Ratio Lower Upper
92 100
91 172.3 137.1 205.7

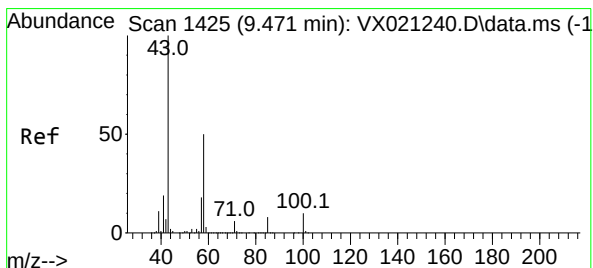
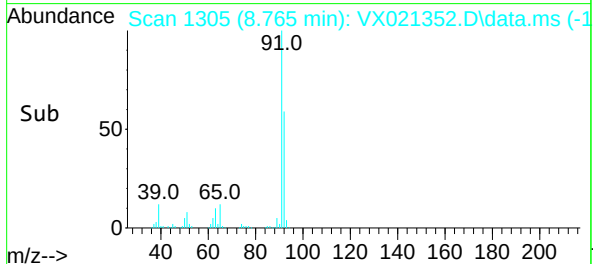
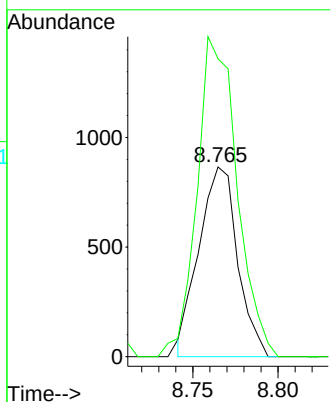
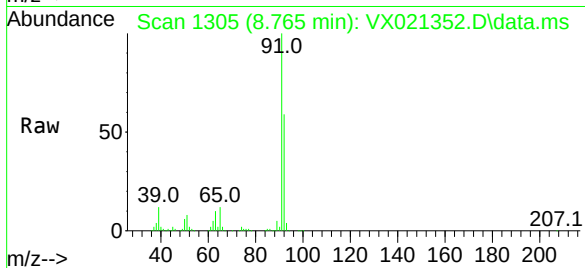




#53
t-1,3-Dichloropropene
Concen: 0.86 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.259 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

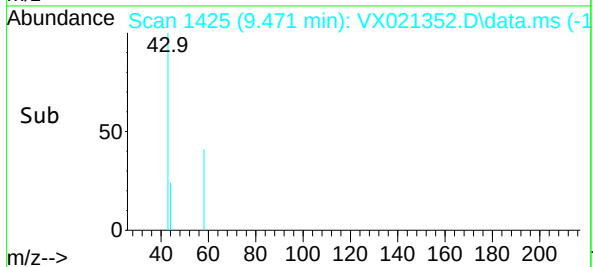
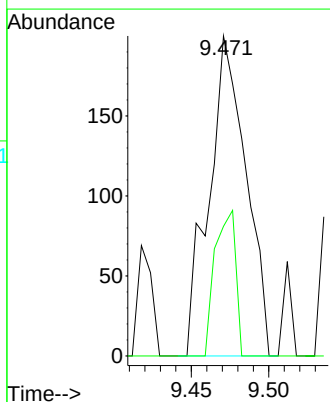
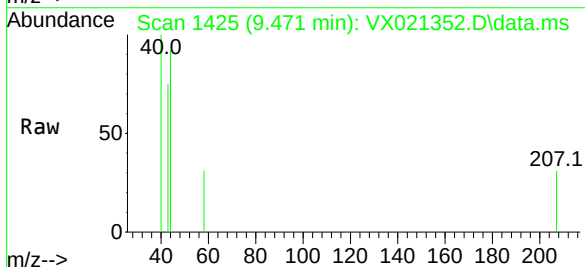
Instrument :
MSVOA_X
ClientSampled :

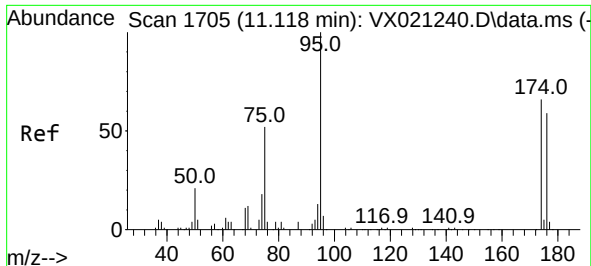
Tgt Ion: 75 Resp: 1363
Ion Ratio Lower Upper
75 100
77 156.9 24.9 37.3#



#59
2-Hexanone
Concen: 0.29 ug/l
RT: 9.471 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 43 Resp: 333
Ion Ratio Lower Upper
43 100
58 25.2 30.9 92.8#

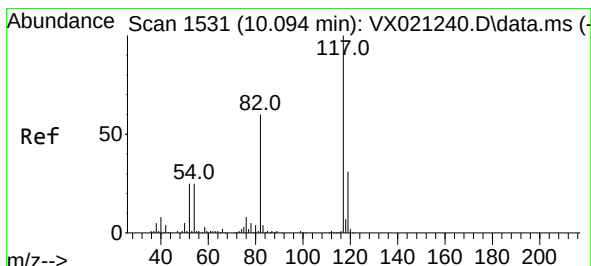
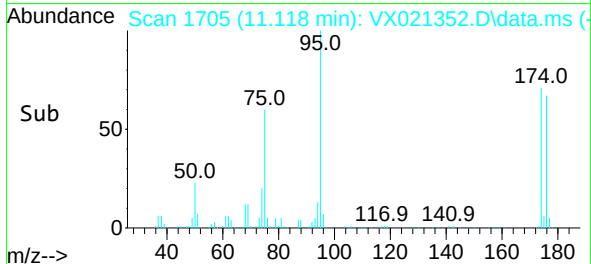
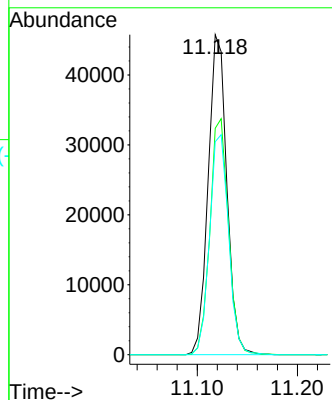
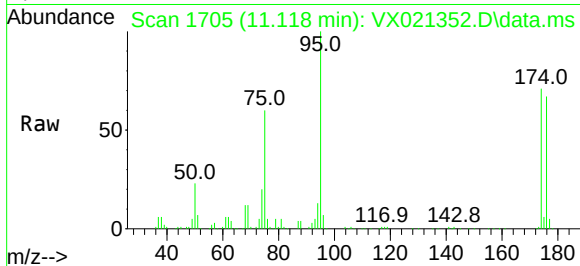




#62
4-Bromofluorobenzene
Concen: 45.30 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

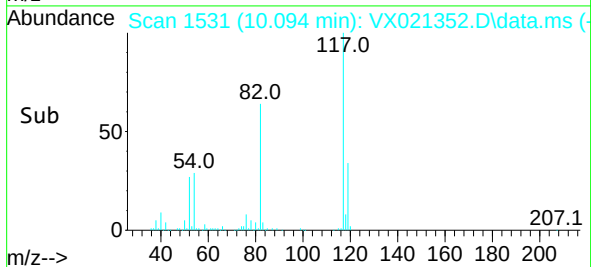
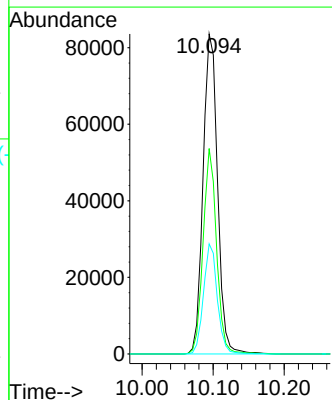
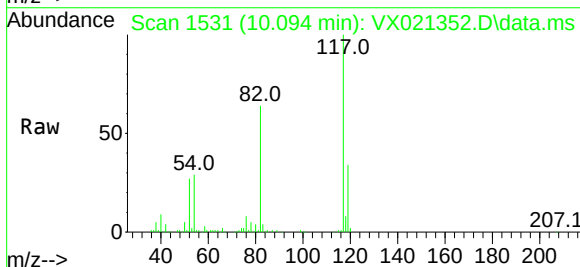
Instrument :
MSVOA_X
ClientSampleId :

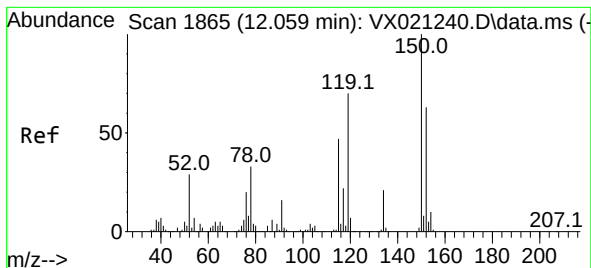
Tgt Ion: 95 Resp: 59237
Ion Ratio Lower Upper
95 100
174 73.4 0.0 154.6
176 69.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021352.D
Acq: 22 Mar 2021 13:01

Tgt Ion: 117 Resp: 118859
Ion Ratio Lower Upper
117 100
82 64.2 47.4 71.2
119 34.4 26.6 39.8

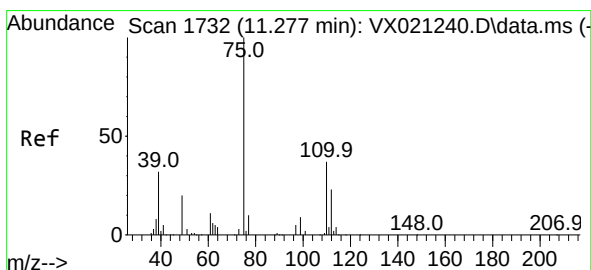
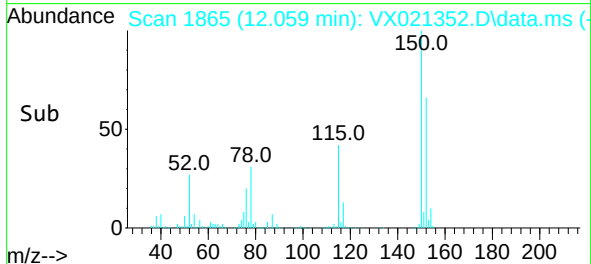
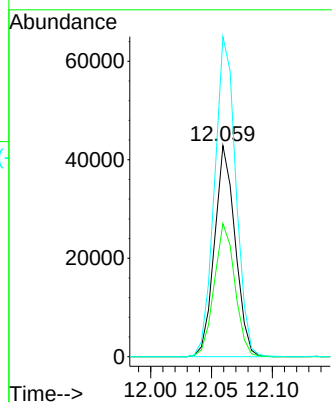
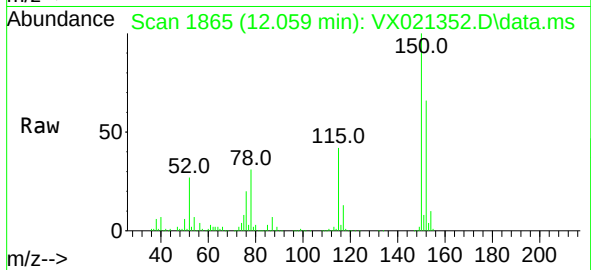




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.059 min Scan# 1865
 Delta R.T. 0.000 min
 Lab File: VX021352.D
 Acq: 22 Mar 2021 13:01

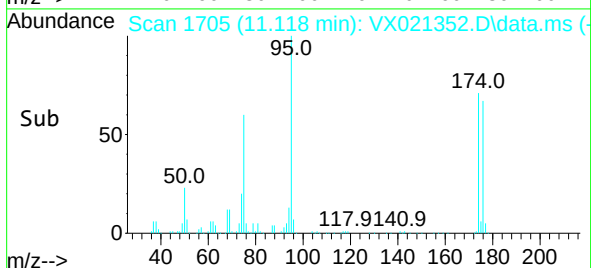
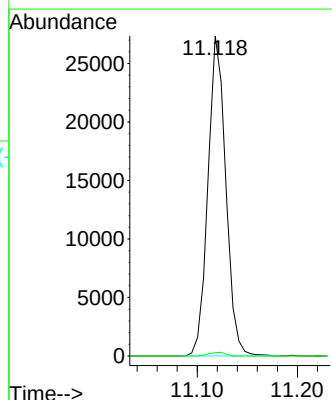
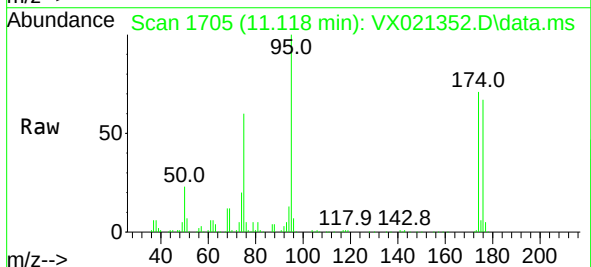
Instrument :
 MSVOA_X
 ClientSampled :

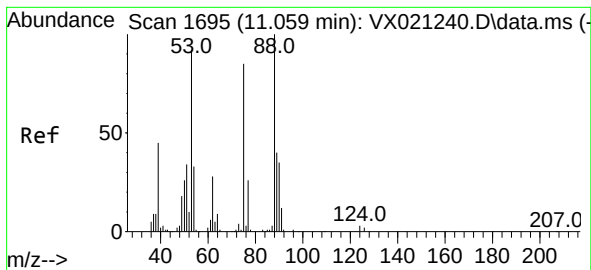
Tgt Ion:152 Resp: 50623
 Ion Ratio Lower Upper
 152 100
 115 63.0 41.1 123.3
 150 156.0 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 28.87 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. -0.159 min
 Lab File: VX021352.D
 Acq: 22 Mar 2021 13:01

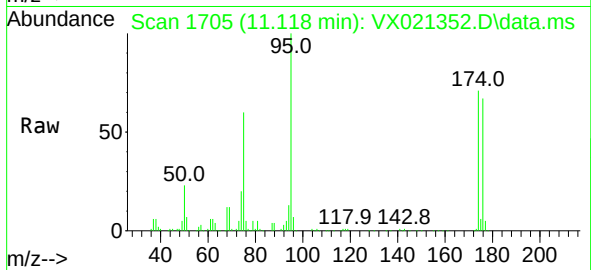
Tgt Ion: 75 Resp: 33898
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.37 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021352.D
 Acq: 22 Mar 2021 13:01

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 33898
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

