

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032221\
 Data File : VX021357.D
 Acq On : 22 Mar 2021 14:55
 Operator : JC/MD
 Sample : M1735-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 23 02:00:56 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)

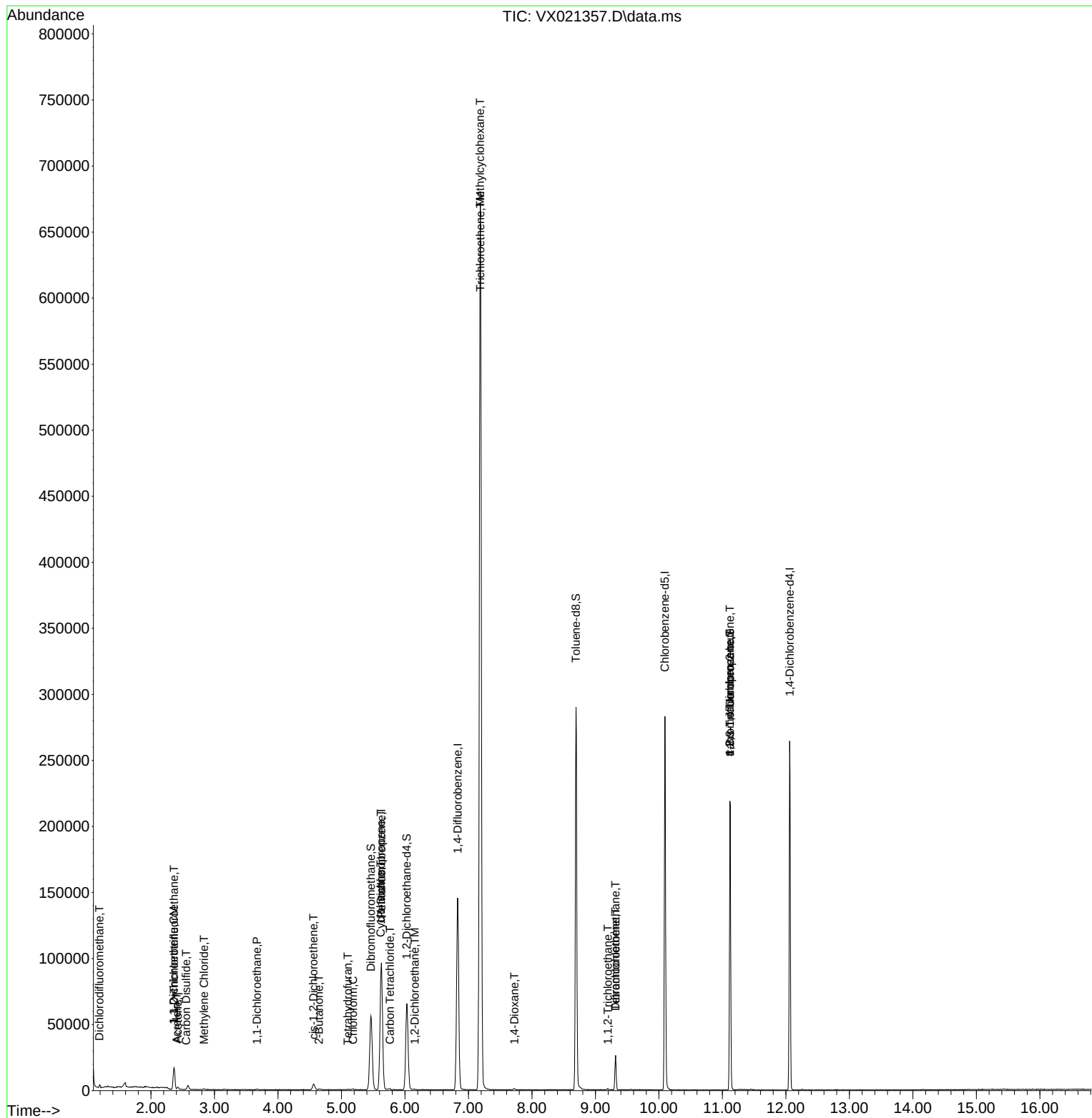
Internal Standards						
1) Pentafluorobenzene	5.629	168	80958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	132372	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	116843	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	49975	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	64223	48.37	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	96.74%
35) Dibromofluoromethane	5.464	113	45826	50.88	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.76%
50) Toluene-d8	8.694	98	162057	49.59	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.18%
62) 4-Bromofluorobenzene	11.118	95	57624	45.40	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.80%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.187	85	473	0.49	ug/l #	67
3) Chloromethane	1.317	50	1499	Below	Cal	96
9) 1,1,2-Trichlorotrifluo...	2.364	101	5543	6.55	ug/l	94
12) 1,1-Dichloroethene	2.358	96	1047	1.27	ug/l	98
13) Acrolein	2.405	56	18	3.26	ug/l #	14
16) Acetone	2.423	43	1799	3.68	ug/l	100
17) Carbon Disulfide	2.552	76	141	0.59	ug/l #	75
20) Methylene Chloride	2.834	84	259	0.26	ug/l #	80
24) 1,1-Dichloroethane	3.670	63	632	0.36	ug/l #	81
25) 2-Butanone	4.646	43	154	0.20	ug/l #	45
27) cis-1,2-Dichloroethene	4.558	96	2524	2.38	ug/l	95
29) Tetrahydrofuran	5.099	42	260	0.52	ug/l #	27
30) Chloroform	5.182	83	700	0.38	ug/l	84
31) Cyclohexane	5.617	56	2393	1.49	ug/l #	44
36) 1,1-Dichloropropene	5.623	75	7485	5.61	ug/l #	49
38) Carbon Tetrachloride	5.764	117	525	0.38	ug/l #	82
39) Methylcyclohexane	7.182	83	3272	2.21	ug/l #	1
42) 1,2-Dichloroethane	6.152	62	414	0.26	ug/l #	73
44) Trichloroethene	7.188	130	237772	243.54	ug/l	95
49) 1,4-Dioxane	7.723	88	667	18.14	ug/l #	85
55) 1,1,2-Trichloroethane	9.194	97	231	0.25	ug/l	95
60) Dibromochloromethane	9.318	129	4508	4.26	ug/l #	11
64) Tetrachloroethene	9.318	164	4162	4.77	ug/l #	85
76) 1,2,3-Trichloropropane	11.118	75	32867	28.35	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.118	75	32867	76.97	ug/l #	12

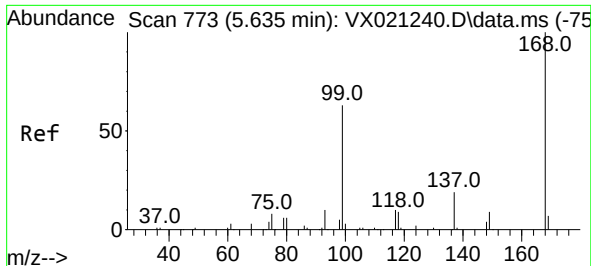
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Mar 23 02:00:56 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

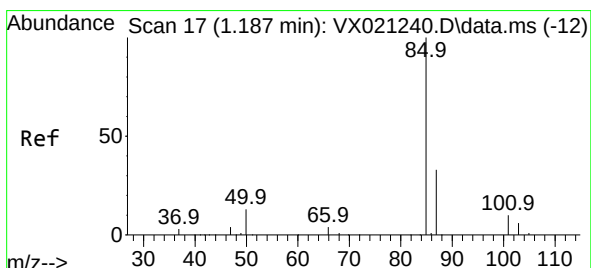
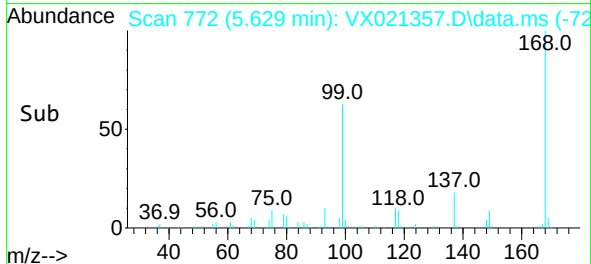
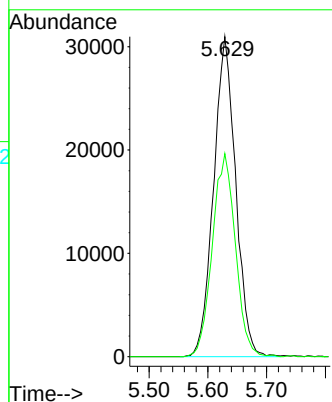
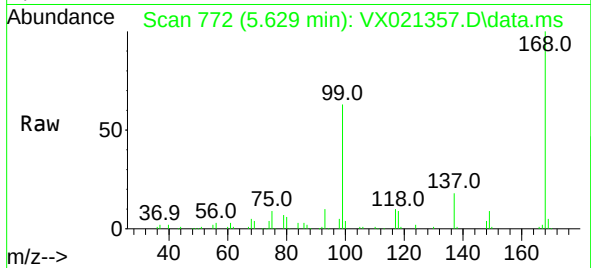




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.006 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

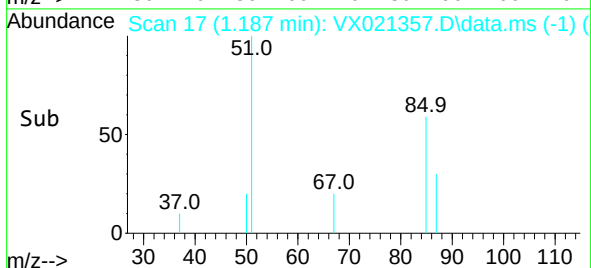
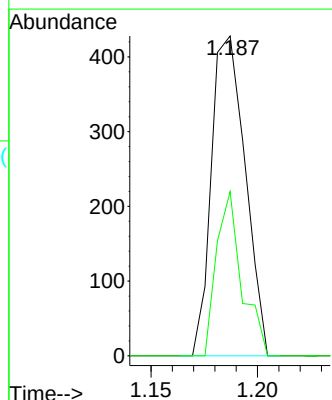
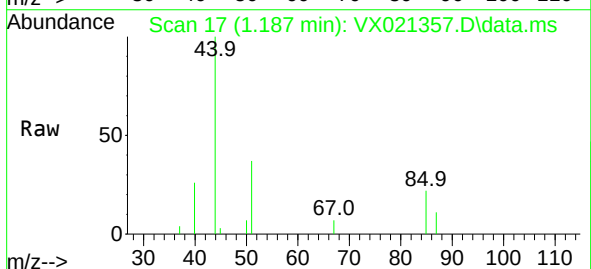
Instrument :
MSVOA_X
ClientSampleId :

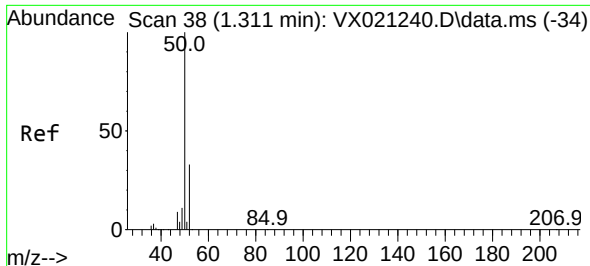
Tgt Ion:168 Resp: 80958
Ion Ratio Lower Upper
168 100
99 63.5 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.49 ug/l
RT: 1.187 min Scan# 17
Delta R.T. 0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Tgt Ion: 85 Resp: 473
Ion Ratio Lower Upper
85 100
87 51.4 16.4 49.2#

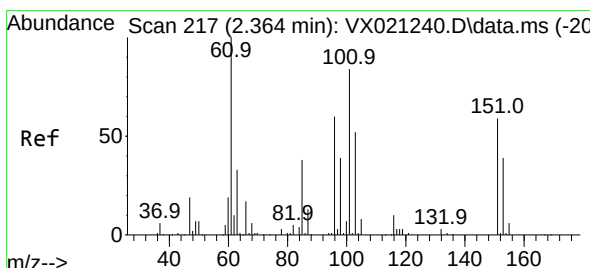
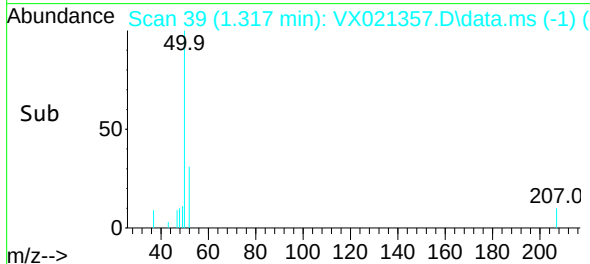
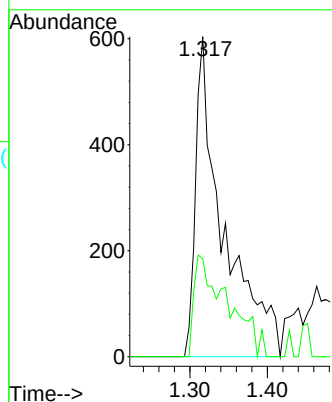
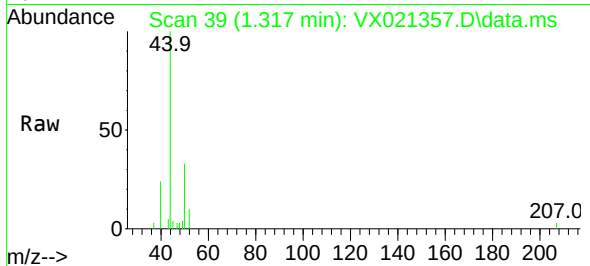




#3
Chloromethane
Concen: Below Cal
RT: 1.317 min Scan# 39
Delta R.T. 0.006 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

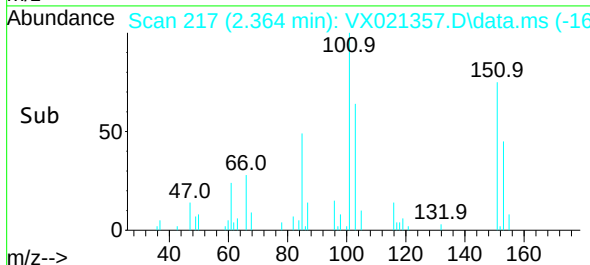
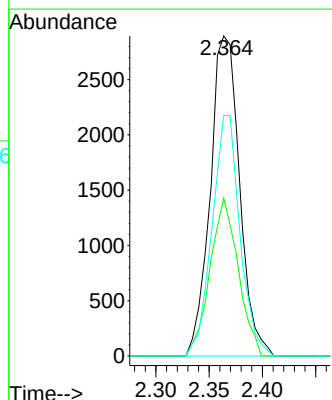
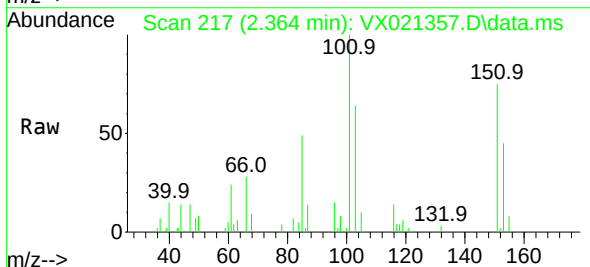
Instrument :
MSVOA_X
ClientSampled :

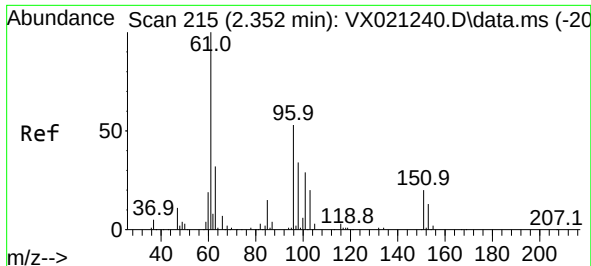
Tgt Ion: 50 Resp: 1499
Ion Ratio Lower Upper
50 100
52 30.6 26.4 39.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.55 ug/l
RT: 2.364 min Scan# 217
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

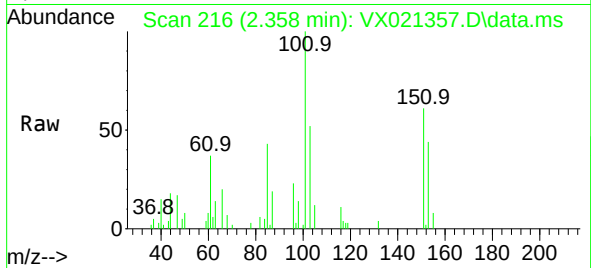
Tgt Ion: 101 Resp: 5543
Ion Ratio Lower Upper
101 100
85 47.3 34.9 52.3
151 71.4 61.4 92.2



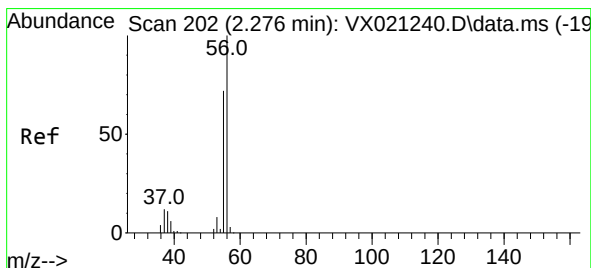
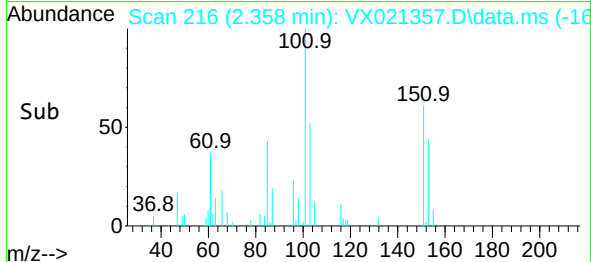
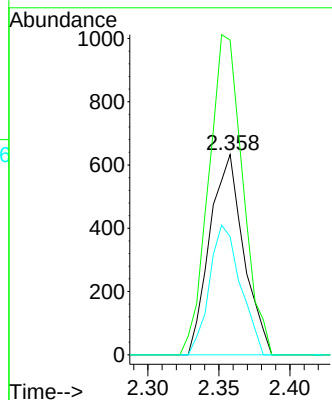


#12
1,1-Dichloroethene
Concen: 1.27 ug/l
RT: 2.358 min Scan# 216
Delta R.T. 0.006 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Instrument :
MSVOA_X
ClientSampled :

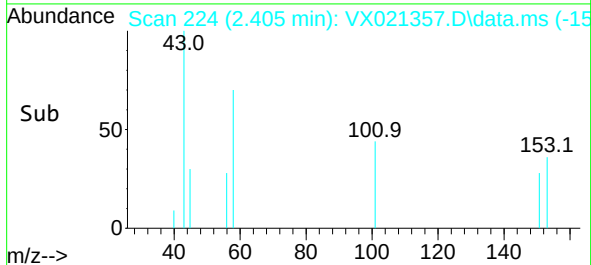
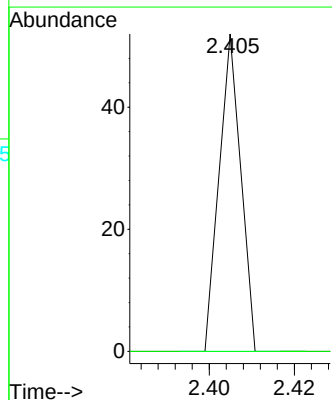
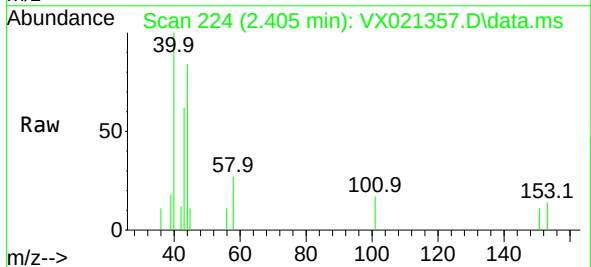


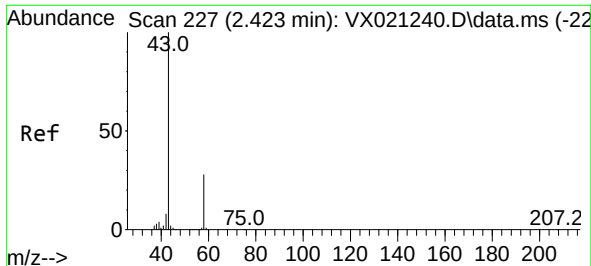
Tgt Ion: 96 Resp: 1047
Ion Ratio Lower Upper
96 100
61 157.2 124.6 187.0
98 58.9 50.6 76.0



#13
Acrolein
Concen: 3.26 ug/l
RT: 2.405 min Scan# 224
Delta R.T. 0.129 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Tgt Ion: 56 Resp: 18
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

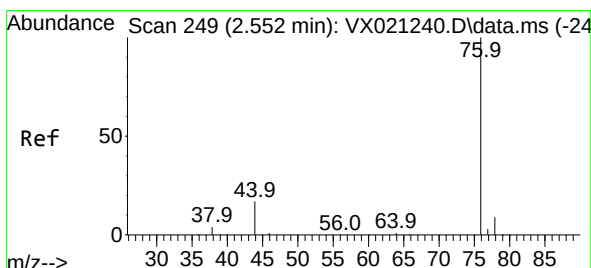
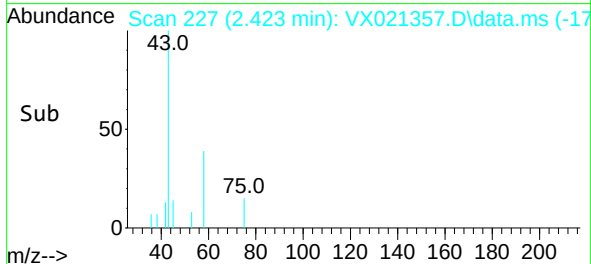
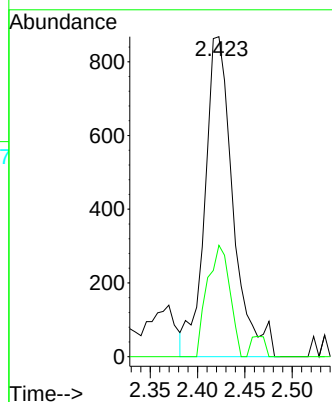
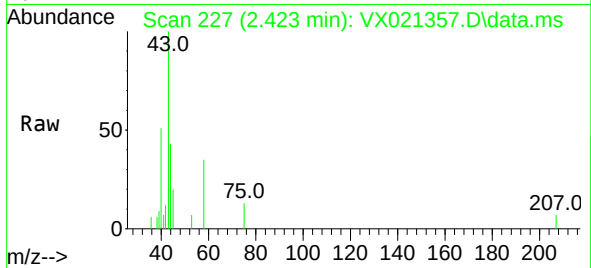




#16
Acetone
Concen: 3.68 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

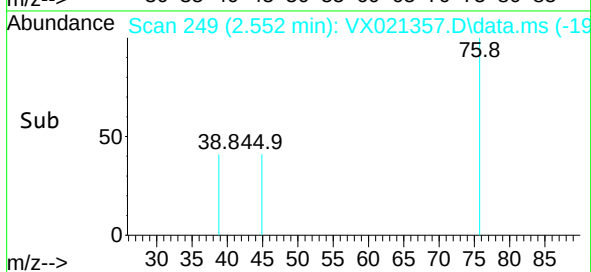
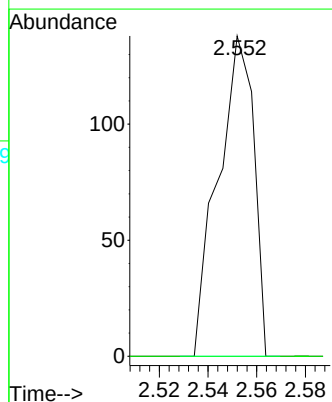
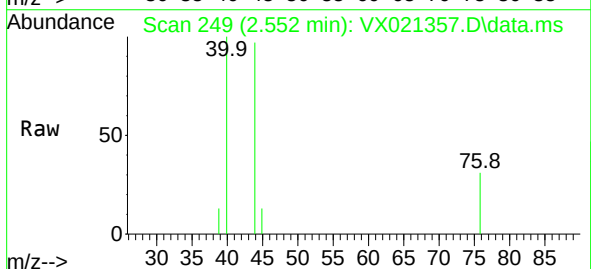
Instrument :
MSVOA_X
ClientSampled :

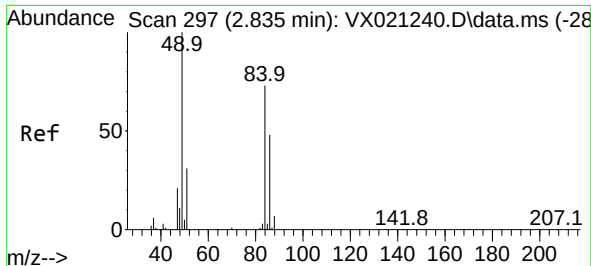
Tgt Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
58 34.8 27.8 41.8



#17
Carbon Disulfide
Concen: 0.59 ug/l
RT: 2.552 min Scan# 249
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Tgt Ion: 76 Resp: 141
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.26 ug/l

RT: 2.834 min Scan# 297

Delta R.T. -0.001 min

Lab File: VX021357.D

Acq: 22 Mar 2021 14:55

Tgt Ion: 84 Resp: 259

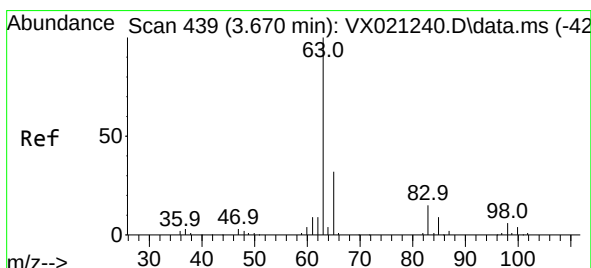
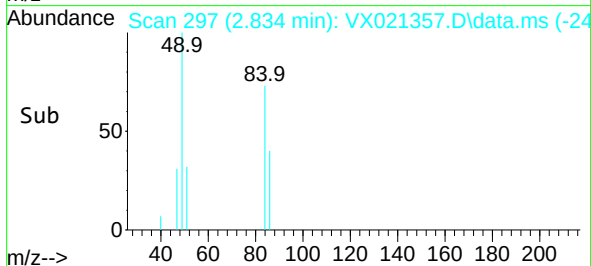
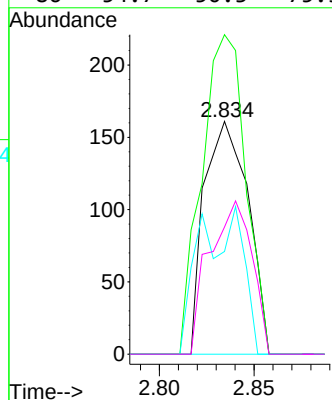
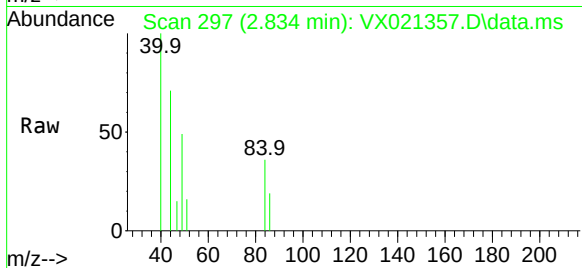
Ion Ratio Lower Upper

84 100

49 137.3 88.6 132.8#

51 44.1 27.0 40.6#

86 54.7 50.3 75.5



#24

1,1-Dichloroethane

Concen: 0.36 ug/l

RT: 3.670 min Scan# 439

Delta R.T. -0.000 min

Lab File: VX021357.D

Acq: 22 Mar 2021 14:55

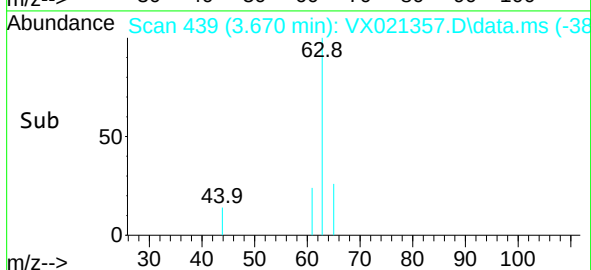
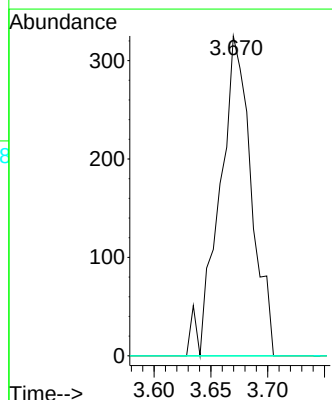
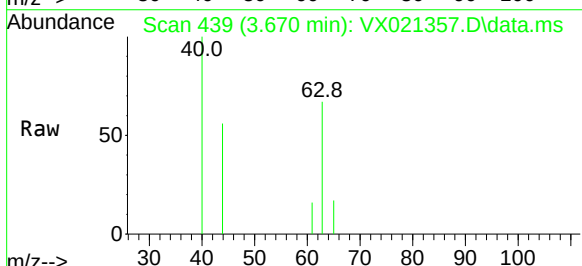
Tgt Ion: 63 Resp: 632

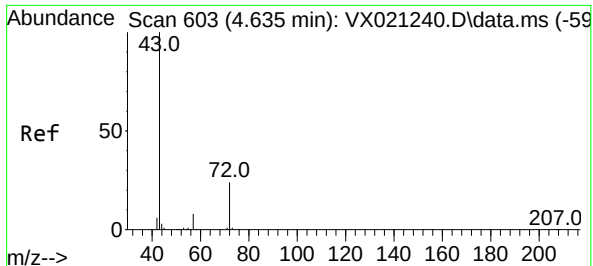
Ion Ratio Lower Upper

63 100

98 0.0 3.8 11.2#

100 0.0 2.5 7.5#

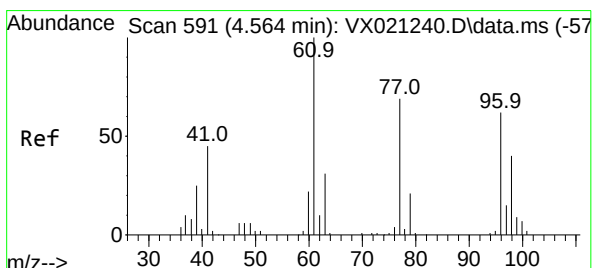
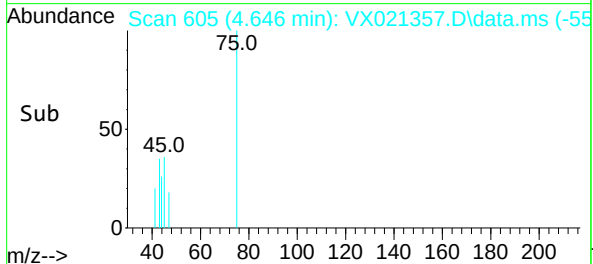
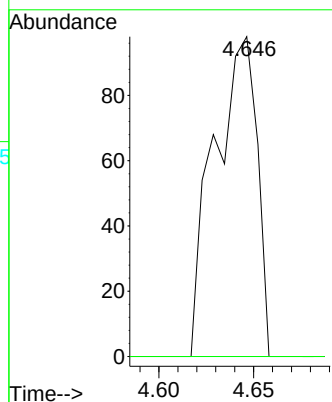
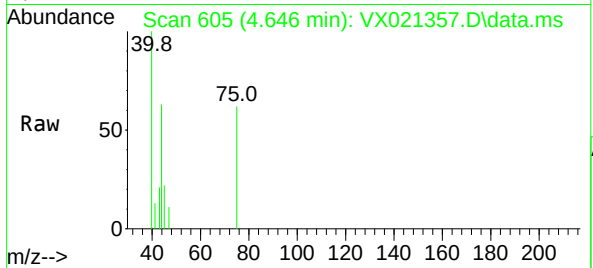




#25
2-Butanone
Concen: 0.20 ug/l
RT: 4.646 min Scan# 605
Delta R.T. 0.011 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

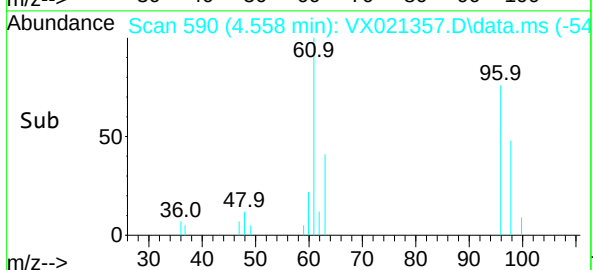
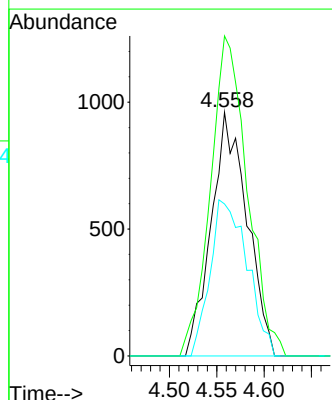
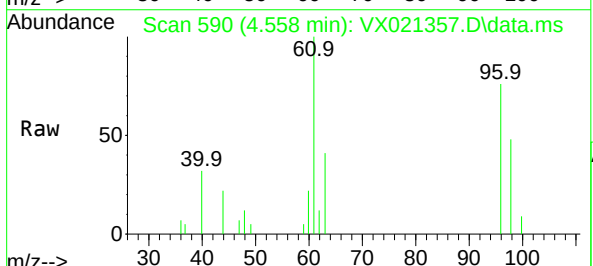
Instrument :
MSVOA_X
ClientSampled :

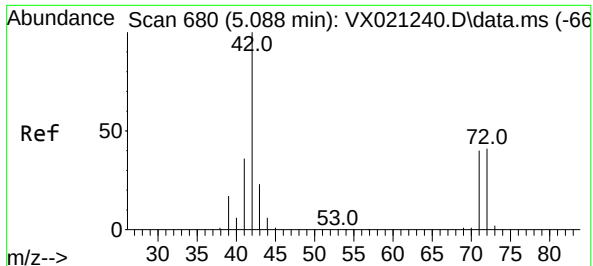
Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#27
cis-1,2-Dichloroethene
Concen: 2.38 ug/l
RT: 4.558 min Scan# 590
Delta R.T. -0.006 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Tgt Ion: 96 Resp: 2524
Ion Ratio Lower Upper
96 100
61 135.7 0.0 285.6
98 66.4 0.0 129.6





#29

Tetrahydrofuran

Concen: 0.52 ug/l

RT: 5.099 min Scan# 682

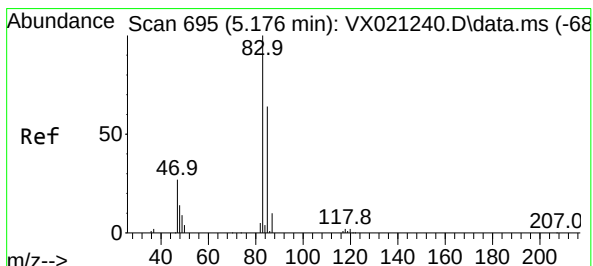
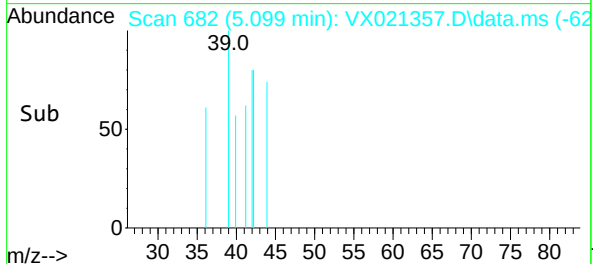
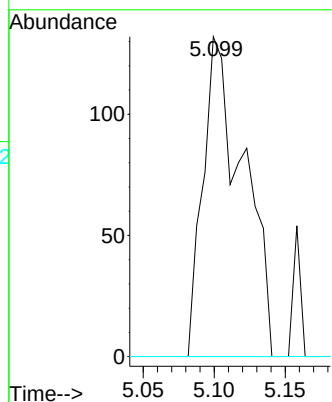
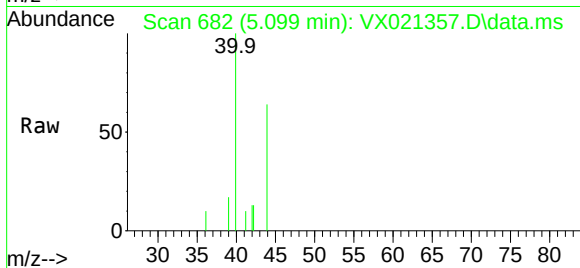
Delta R.T. 0.011 min

Lab File: VX021357.D

Acq: 22 Mar 2021 14:55

Tgt Ion:	42	Resp:	260
Ion	Ratio	Lower	Upper
42	100		
72	0.0	41.7	62.5#
71	0.0	38.4	57.6#

Instrument :
MSVOA_X
ClientSampled :



#30

Chloroform

Concen: 0.38 ug/l

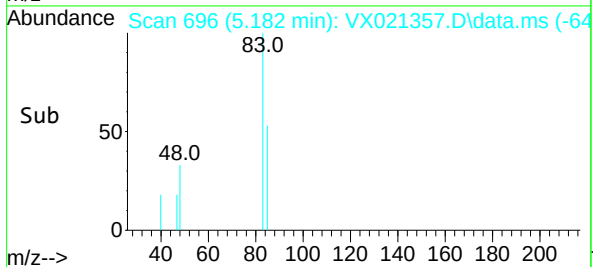
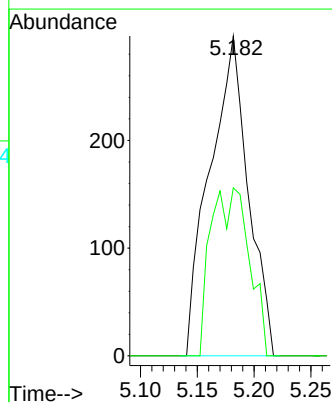
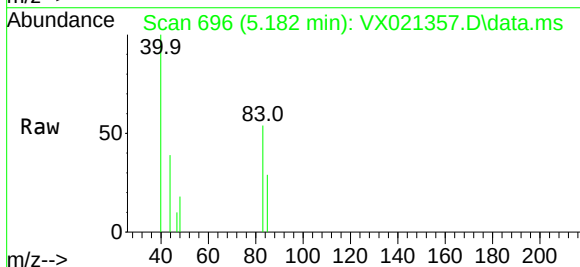
RT: 5.182 min Scan# 696

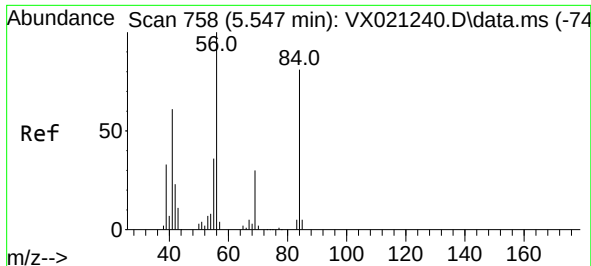
Delta R.T. 0.006 min

Lab File: VX021357.D

Acq: 22 Mar 2021 14:55

Tgt Ion:	83	Resp:	700
Ion	Ratio	Lower	Upper
83	100		
85	52.5	52.0	78.0

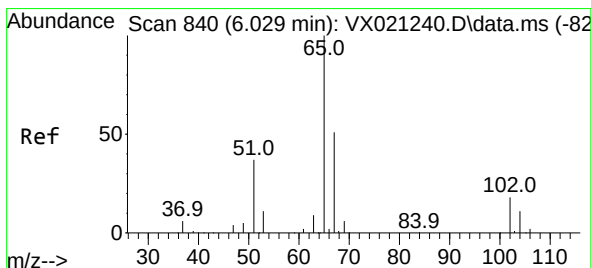
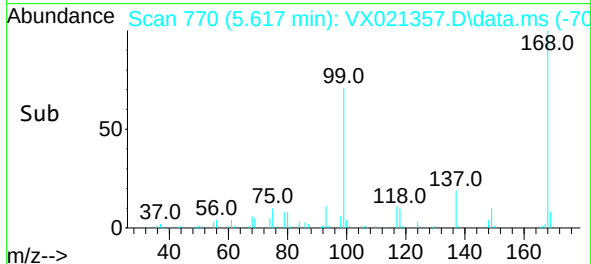
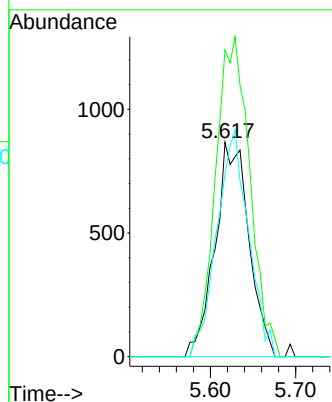
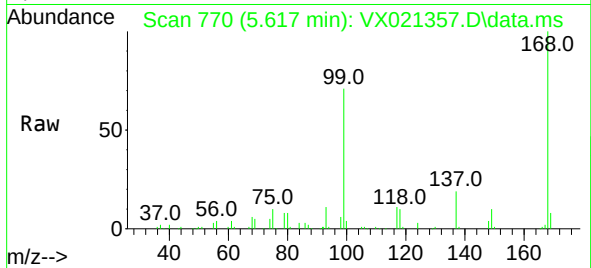




#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.617 min Scan# 770
Delta R.T. 0.070 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

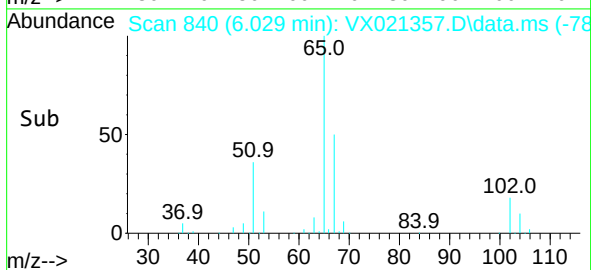
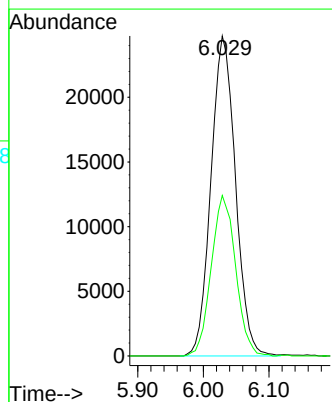
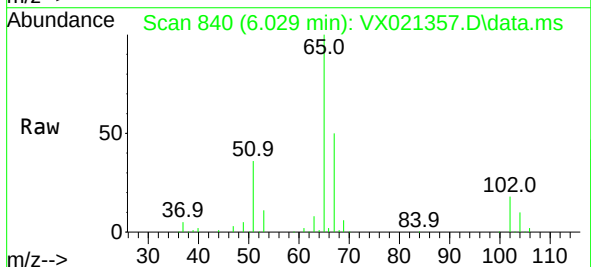
Instrument :
MSVOA_X
ClientSampled :

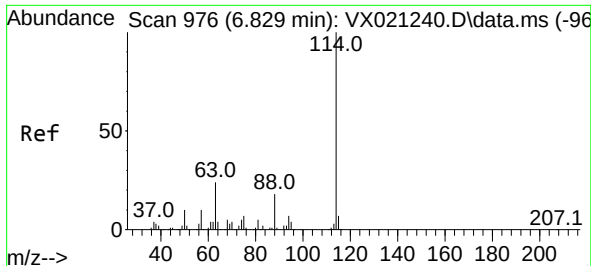
Tgt Ion: 56 Resp: 2393
Ion Ratio Lower Upper
56 100
69 143.3 25.3 37.9#
84 85.3 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 48.37 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

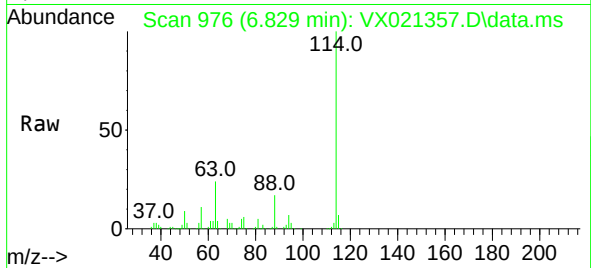
Tgt Ion: 65 Resp: 64223
Ion Ratio Lower Upper
65 100
67 49.9 0.0 105.4



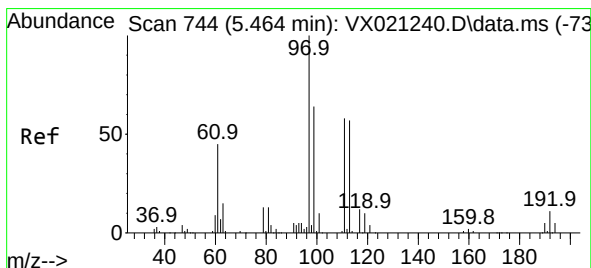
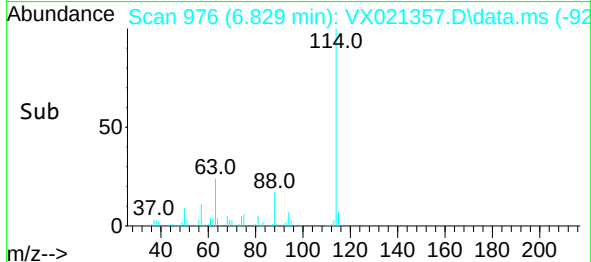
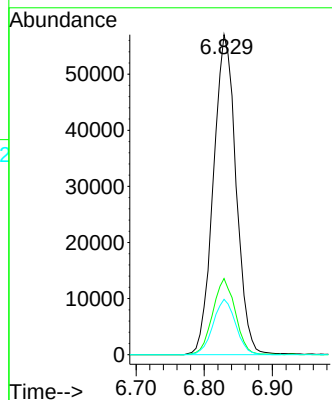


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Instrument :
MSVOA_X
ClientSampleId :

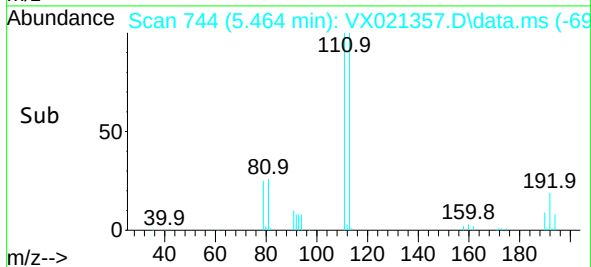
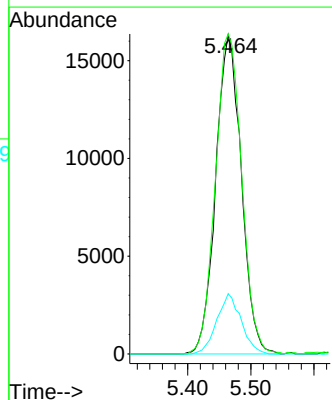
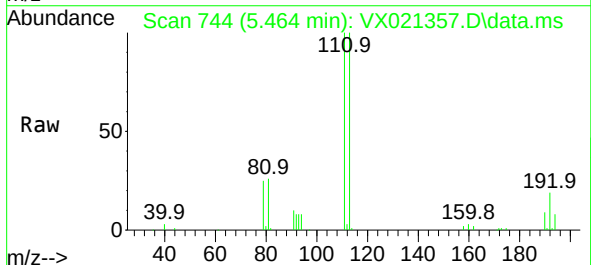


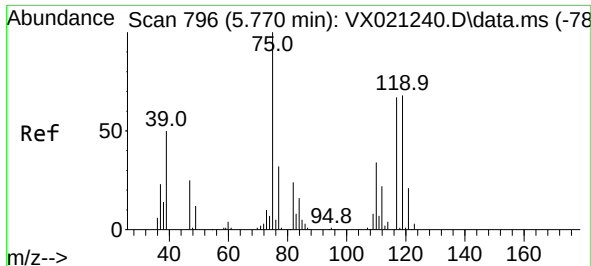
Tgt Ion:114 Resp: 132372
Ion Ratio Lower Upper
114 100
63 23.8 0.0 40.8
88 17.3 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.88 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

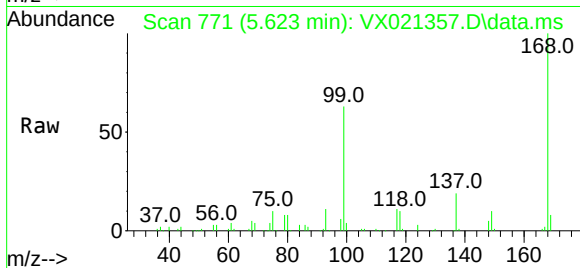
Tgt Ion:113 Resp: 45826
Ion Ratio Lower Upper
113 100
111 103.2 81.9 122.9
192 18.1 16.7 25.1



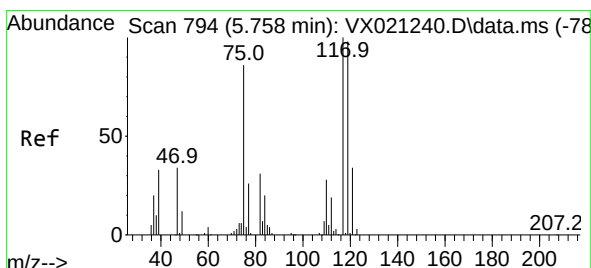
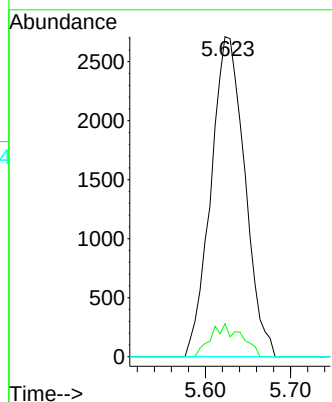
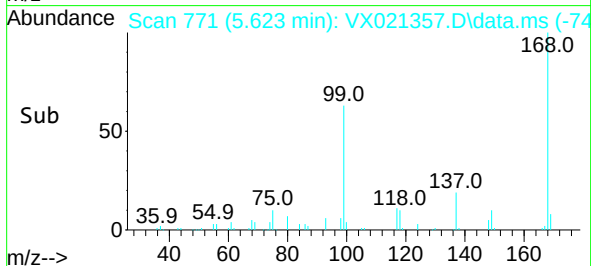


#36
1,1-Dichloropropene
Concen: 5.61 ug/l
RT: 5.623 min Scan# 771
Delta R.T. -0.147 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

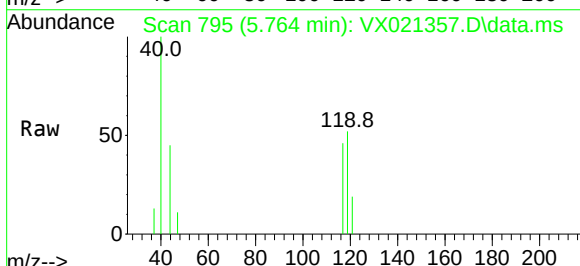
Instrument :
MSVOA_X
ClientSampleId :



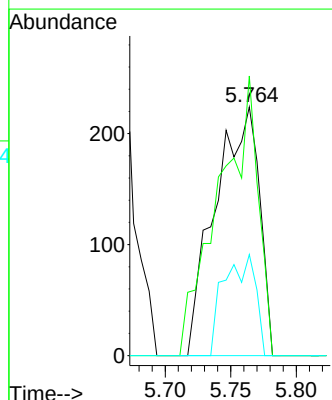
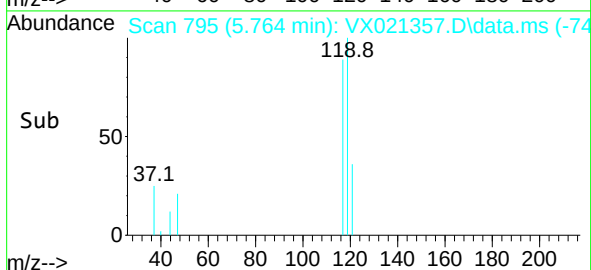
Tgt Ion: 75 Resp: 7485
Ion Ratio Lower Upper
75 100
110 9.3 18.1 54.4#
77 0.0 25.3 37.9#

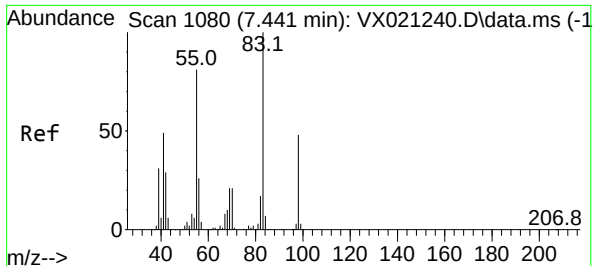


#38
Carbon Tetrachloride
Concen: 0.38 ug/l
RT: 5.764 min Scan# 795
Delta R.T. 0.006 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55



Tgt Ion: 117 Resp: 525
Ion Ratio Lower Upper
117 100
119 112.5 76.2 114.2
121 40.6 24.8 37.2#





#39

Methylcyclohexane

Concen: 2.21 ug/l

RT: 7.182 min Scan# 1036

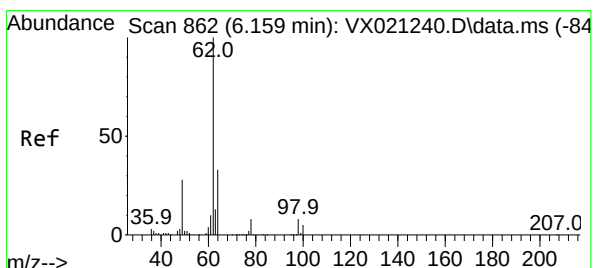
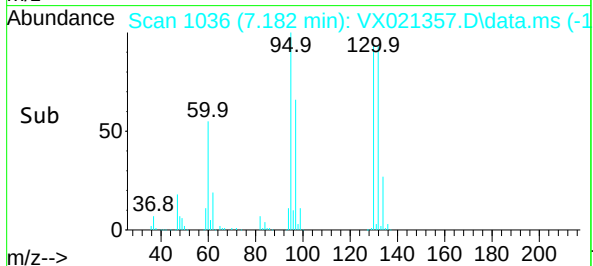
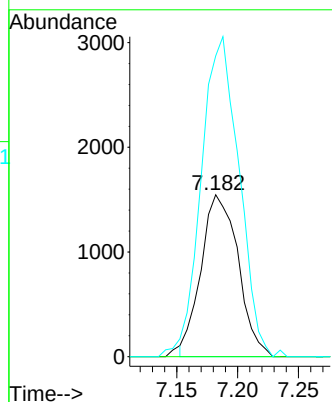
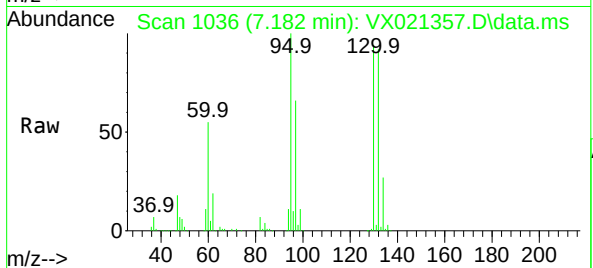
Delta R.T. -0.259 min

Lab File: VX021357.D

Acq: 22 Mar 2021 14:55

Tgt Ion:	83	Resp:	3272
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	181.9	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :



#42

1,2-Dichloroethane

Concen: 0.26 ug/l

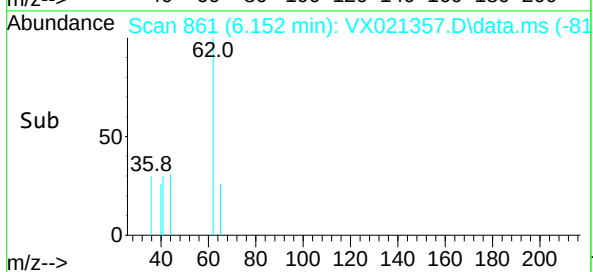
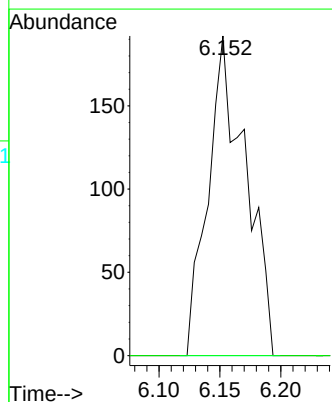
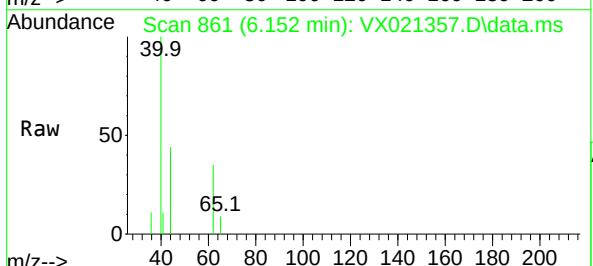
RT: 6.152 min Scan# 861

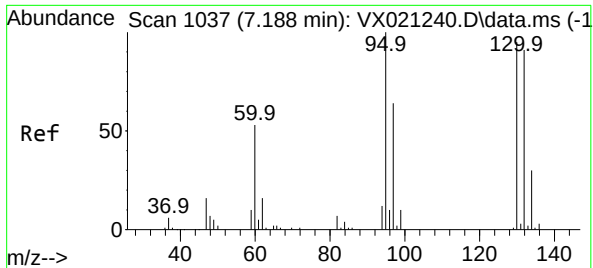
Delta R.T. -0.007 min

Lab File: VX021357.D

Acq: 22 Mar 2021 14:55

Tgt Ion:	62	Resp:	414
Ion	Ratio	Lower	Upper
62	100		
98	0.0	0.0	20.2

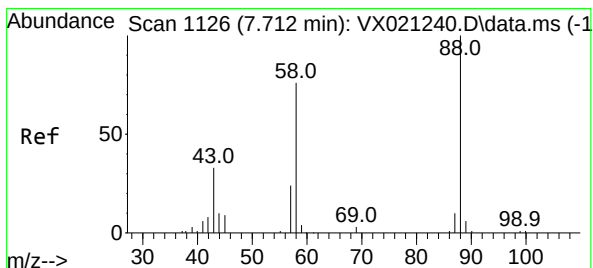
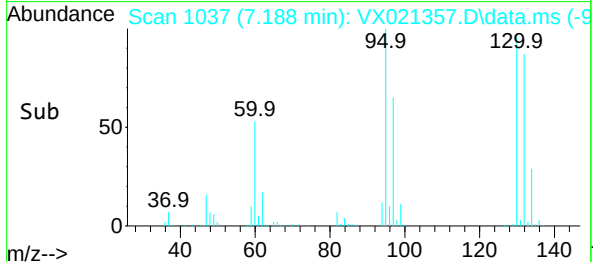
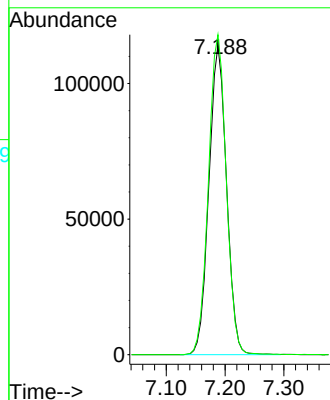
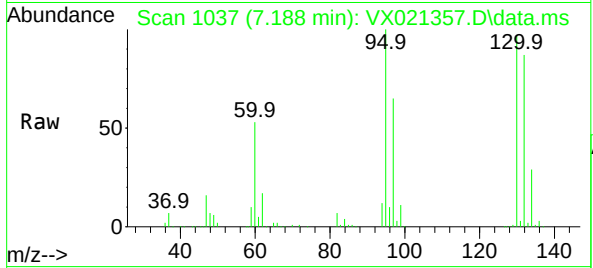




#44
Trichloroethene
Concen: 243.54 ug/l
RT: 7.188 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

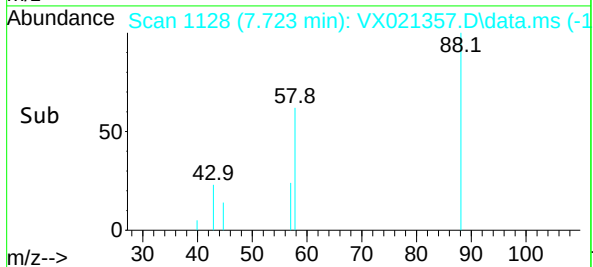
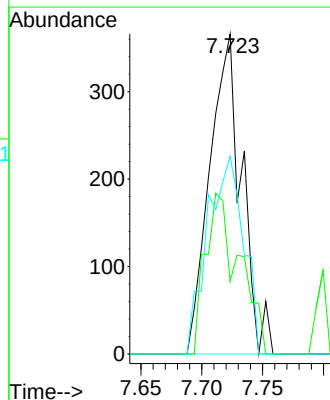
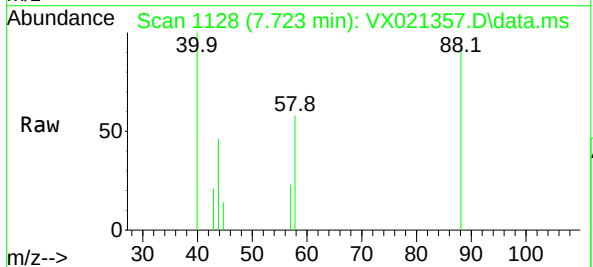
Instrument :
MSVOA_X
ClientSampled :

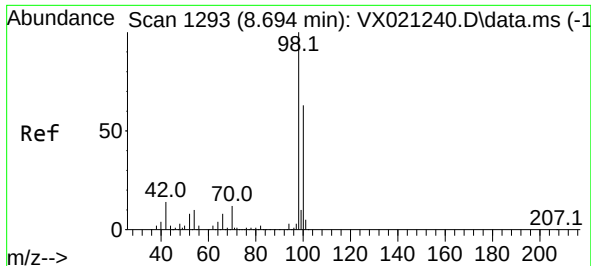
Tgt Ion:130 Resp: 237772
Ion Ratio Lower Upper
130 100
95 103.5 0.0 198.0



#49
1,4-Dioxane
Concen: 18.14 ug/l
RT: 7.723 min Scan# 1128
Delta R.T. 0.011 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Tgt Ion: 88 Resp: 667
Ion Ratio Lower Upper
88 100
43 53.5 23.2 34.8#
58 69.9 55.0 82.4

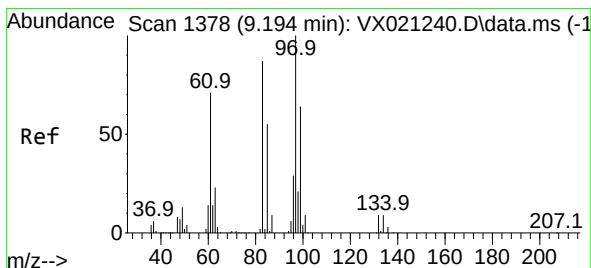
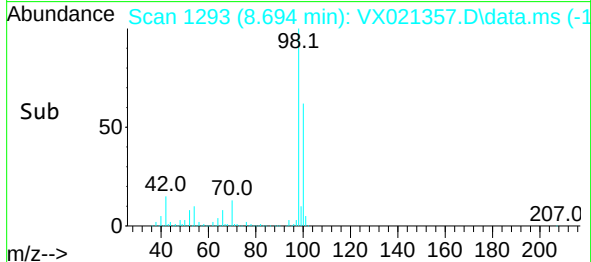
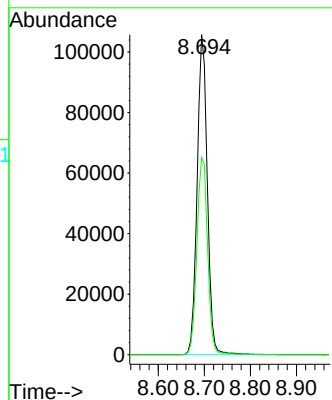
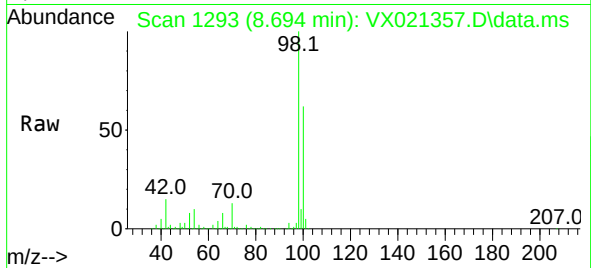




#50
Toluene-d8
Concen: 49.59 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

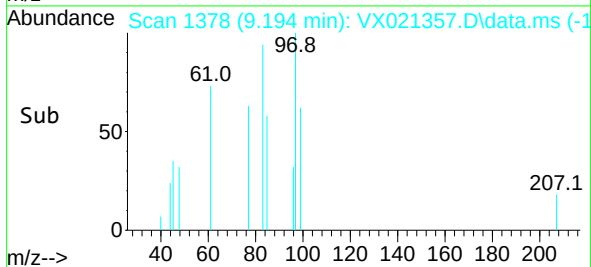
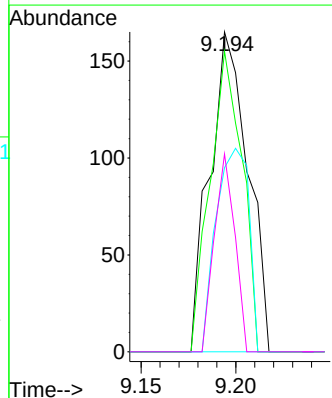
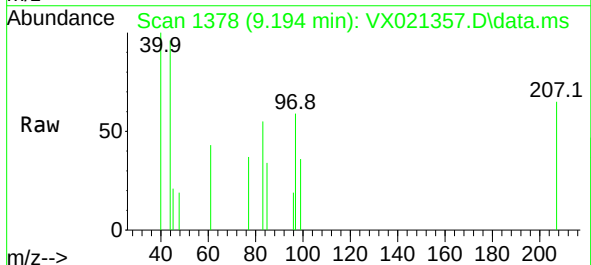
Instrument :
MSVOA_X
ClientSampled :

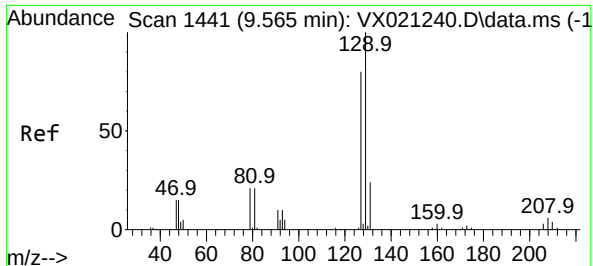
Tgt Ion: 98 Resp: 162057
Ion Ratio Lower Upper
98 100
100 65.0 51.9 77.9



#55
1,1,2-Trichloroethane
Concen: 0.25 ug/l
RT: 9.194 min Scan# 1378
Delta R.T. 0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Tgt Ion: 97 Resp: 231
Ion Ratio Lower Upper
97 100
83 93.9 69.3 103.9
85 57.6 44.3 66.5
99 61.8 50.3 75.5

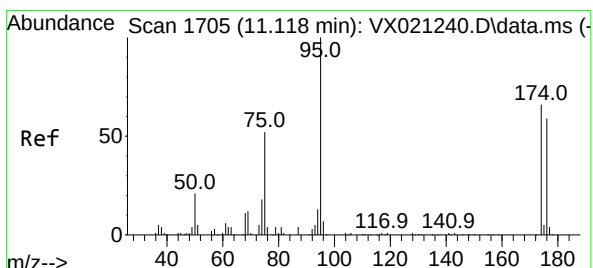
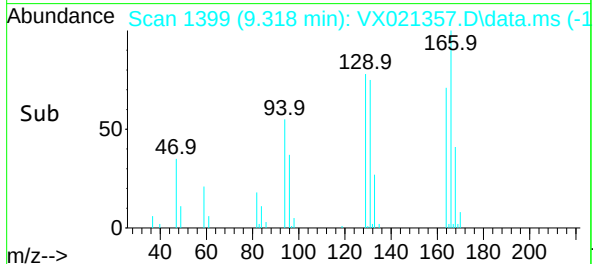
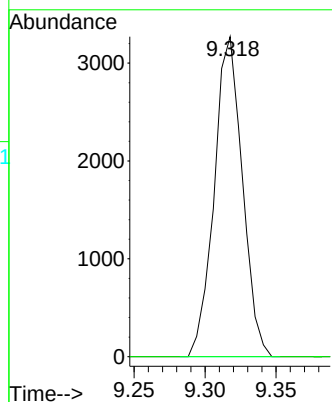
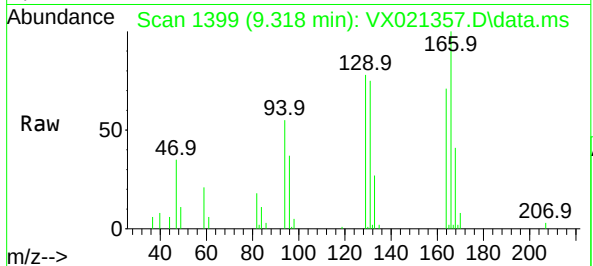




#60
Dibromochloromethane
Concen: 4.26 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.247 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

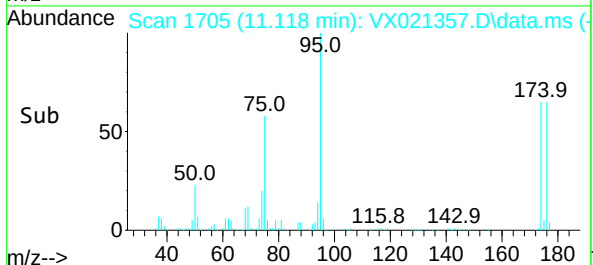
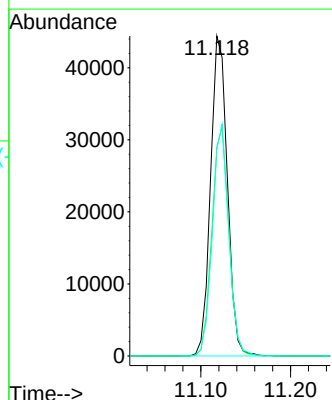
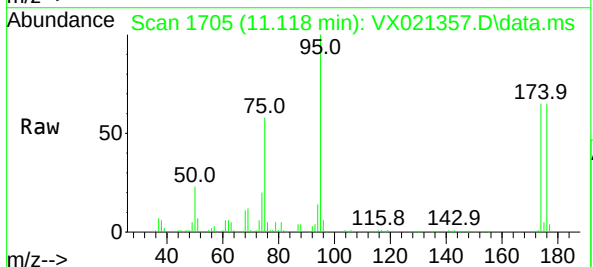
Instrument :
MSVOA_X
ClientSampleId :

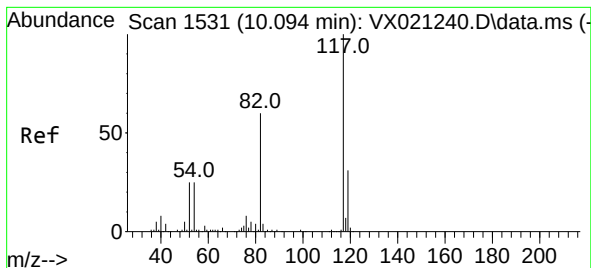
Tgt Ion:129 Resp: 4508
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 45.40 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Tgt Ion: 95 Resp: 57624
Ion Ratio Lower Upper
95 100
174 72.1 0.0 154.6
176 70.4 0.0 155.8

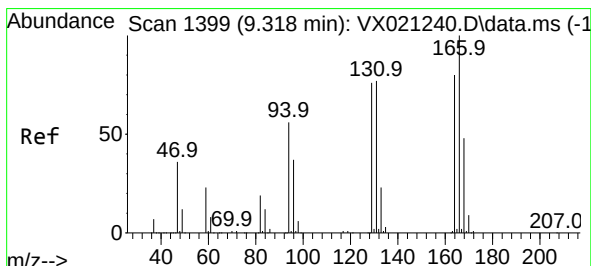
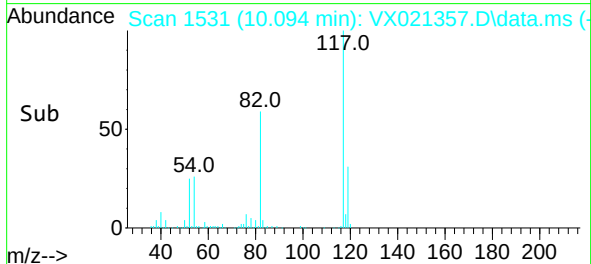
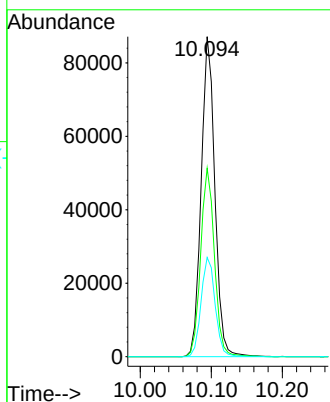
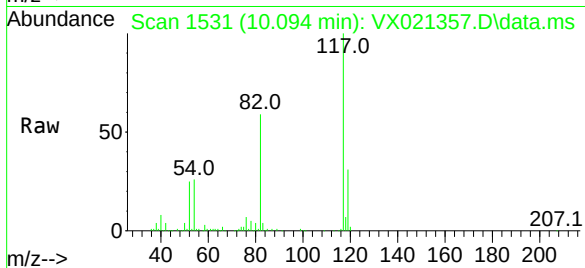




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

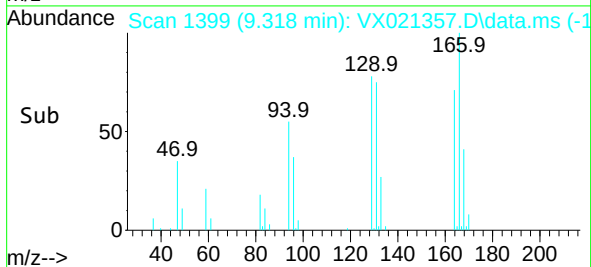
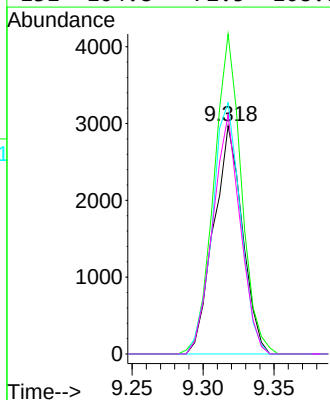
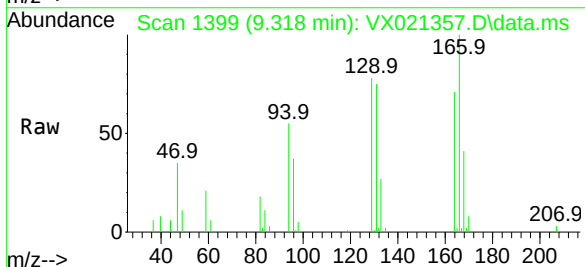
Instrument :
MSVOA_X
ClientSampleId :

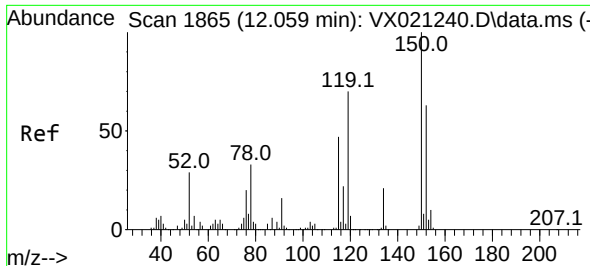
Tgt Ion:117 Resp: 116843
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 31.0 26.6 39.8



#64
Tetrachloroethene
Concen: 4.77 ug/l
RT: 9.318 min Scan# 1399
Delta R.T. -0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

Tgt Ion:164 Resp: 4162
Ion Ratio Lower Upper
164 100
166 140.2 103.4 155.2
129 110.0 70.8 106.2#
131 104.8 72.5 108.7

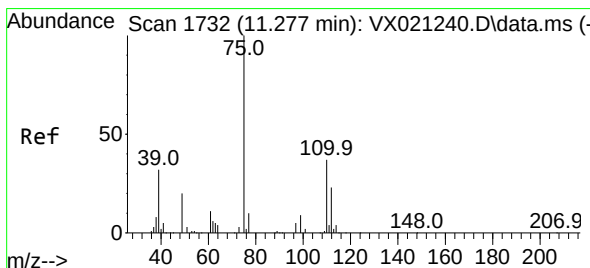
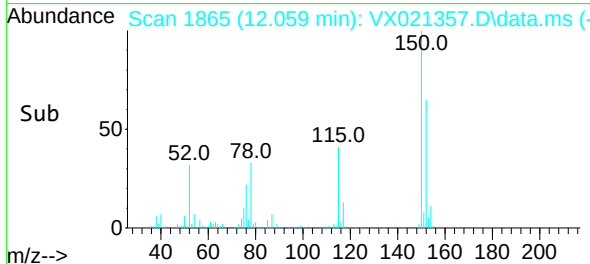
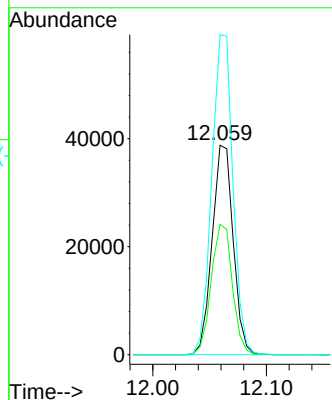
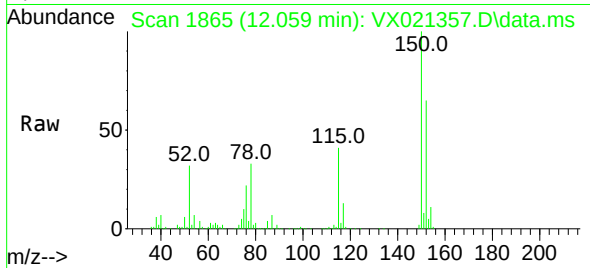




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. 0.000 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

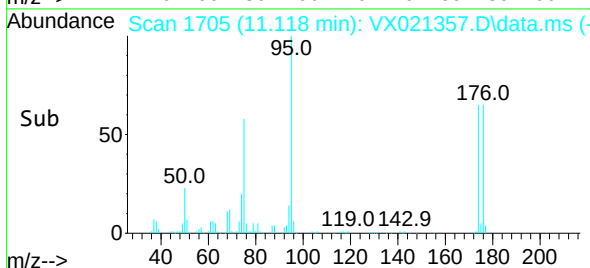
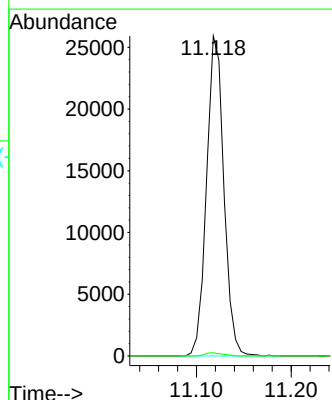
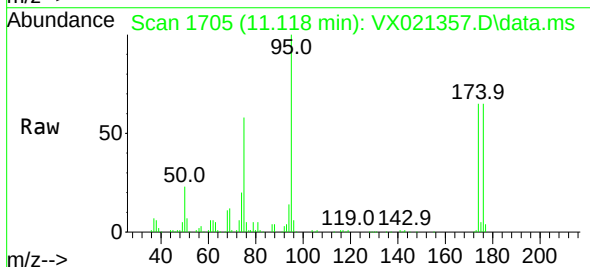
Instrument :
MSVOA_X
ClientSampled :

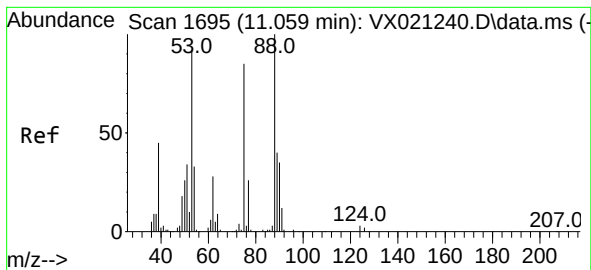
Tgt Ion:152 Resp: 49975
Ion Ratio Lower Upper
152 100
115 62.4 41.1 123.3
150 153.5 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.35 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021357.D
Acq: 22 Mar 2021 14:55

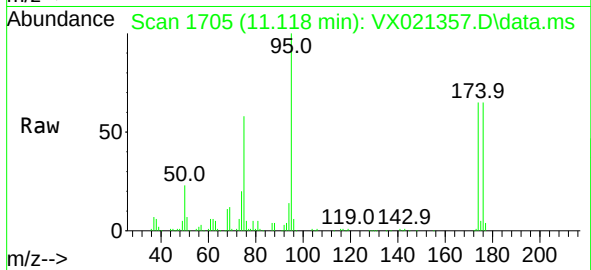
Tgt Ion: 75 Resp: 32867
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.97 ug/l
 RT: 11.118 min Scan# 1705
 Delta R.T. 0.059 min
 Lab File: VX021357.D
 Acq: 22 Mar 2021 14:55

Instrument :
 MSVOA_X
 ClientSampleId :



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

