

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062521\
 Data File : VX022918.D
 Acq On : 25 Jun 2021 13:18
 Operator : JC/MD
 Sample : M2838-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 26 03:53:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

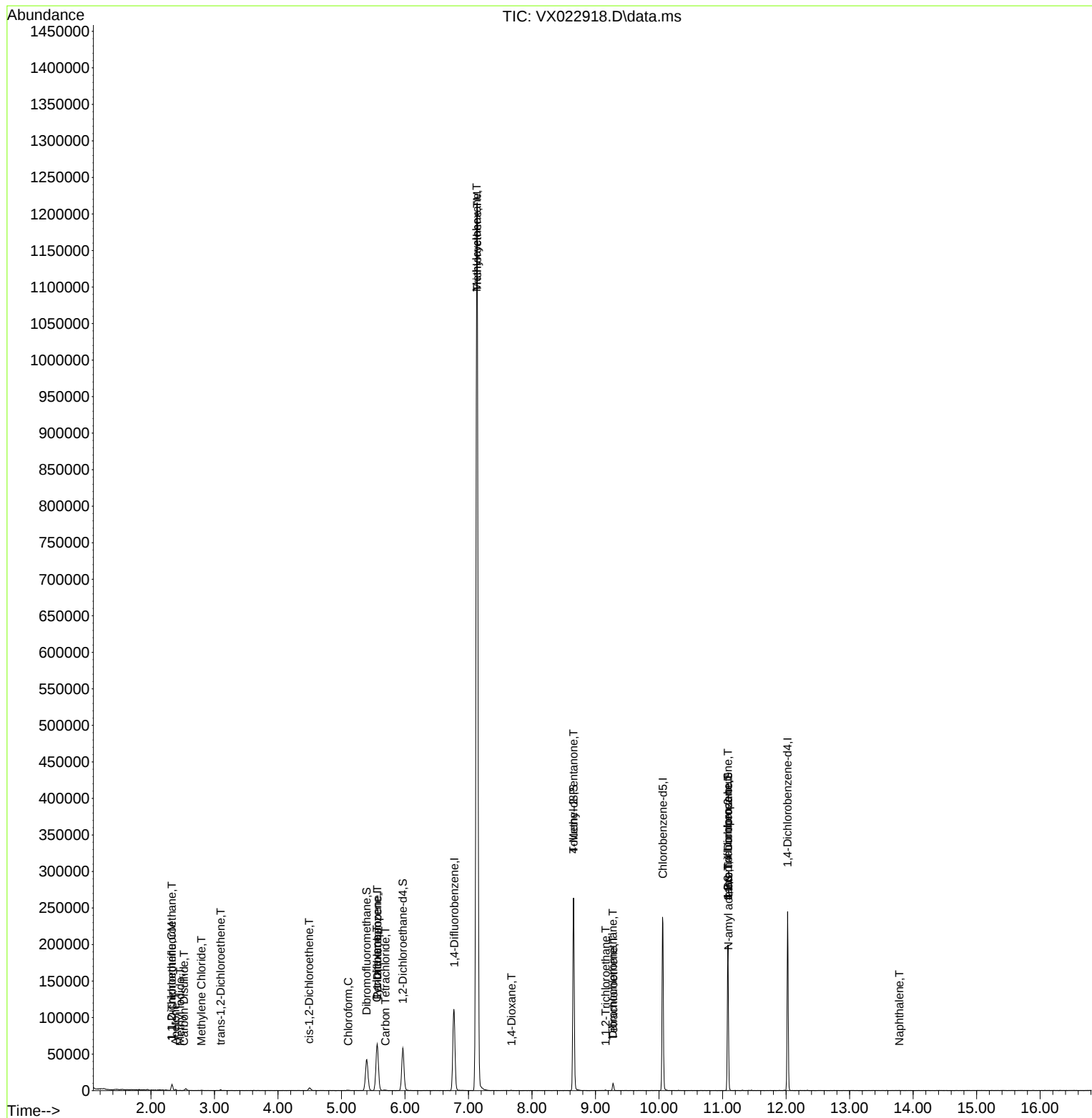
Internal Standards						
1) Pentafluorobenzene	5.562	168	51947	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	109175	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.061	117	101514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42006	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51194	54.30	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.60%	
35) Dibromofluoromethane	5.397	113	35062	50.57	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 101.14%	
50) Toluene-d8	8.653	98	144723	53.26	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.52%	
62) 4-Bromofluorobenzene	11.085	95	52490	51.76	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 103.52%	
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	2.331	101	2577	3.82	ug/l	86
10) Methyl Iodide	2.459	142	135	4.03	ug/l #	42
12) 1,1-Dichloroethene	2.325	96	666	0.99	ug/l	95
16) Acetone	2.386	43	1357	3.25	ug/l #	84
17) Carbon Disulfide	2.520	76	221	3.63	ug/l #	75
20) Methylene Chloride	2.794	84	206	0.62	ug/l #	29
21) trans-1,2-Dichloroethene	3.099	96	402	0.54	ug/l #	65
27) cis-1,2-Dichloroethene	4.489	96	2299	2.77	ug/l	87
30) Chloroform	5.105	83	523	0.37	ug/l #	82
31) Cyclohexane	5.556	56	1481	1.11	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	5335	4.60	ug/l #	49
38) Carbon Tetrachloride	5.690	117	387	0.40	ug/l #	68
39) Methylcyclohexane	7.129	83	5752	4.25	ug/l #	1
44) Trichloroethene	7.135	130	412608	520.33	ug/l	89
49) 1,4-Dioxane	7.678	88	345	16.04	ug/l #	86
51) 4-Methyl-2-Pentanone	8.653	43	824	0.61	ug/l #	1
55) 1,1,2-Trichloroethane	9.159	97	238	0.29	ug/l #	71
60) Dibromochloromethane	9.275	129	1481	5.38	ug/l #	11
64) Tetrachloroethene	9.281	164	1464	2.05	ug/l	84
74) N-amyl acetate	11.092	43	20	2.06	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	28134	25.36	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	28134	66.08	ug/l #	12
95) Naphthalene	13.786	128	255	1.99	ug/l #	69

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

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ClientSampleId :

Quant Time: Jun 26 03:53:03 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

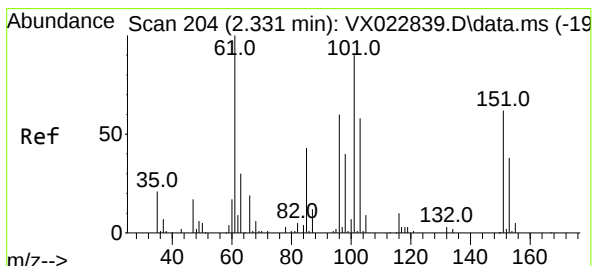
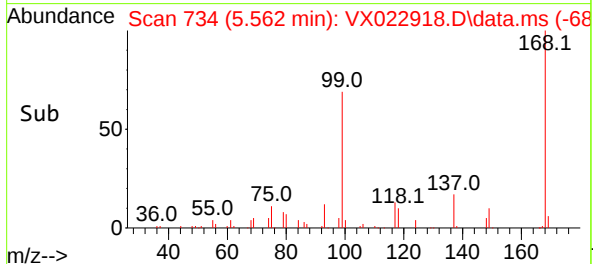
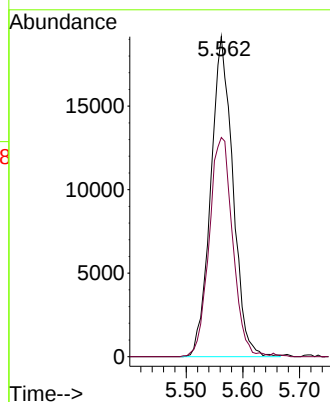
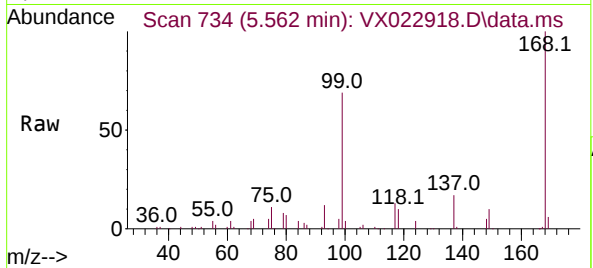




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

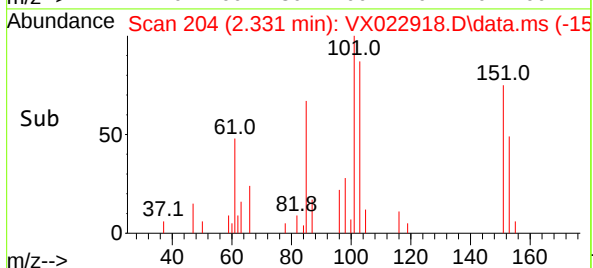
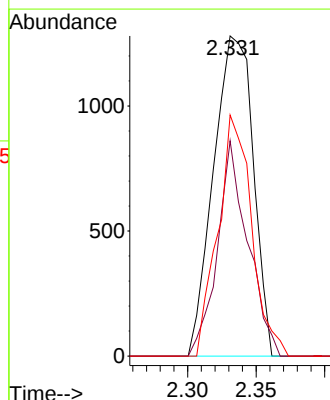
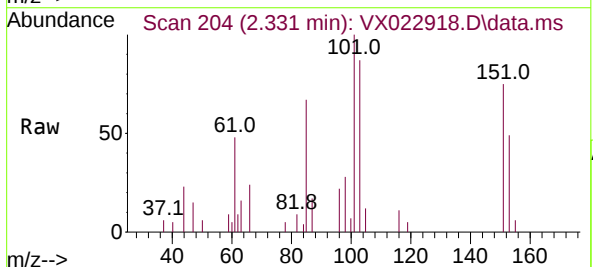
Instrument :
MSVOA_X
ClientSampled :

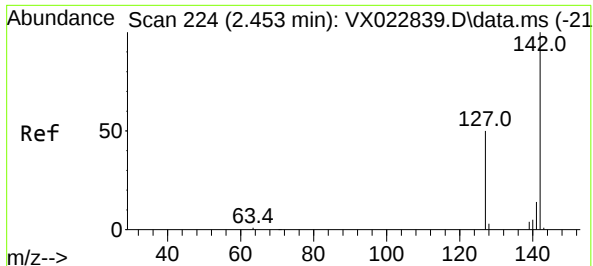
Tgt Ion:168 Resp: 51947
Ion Ratio Lower Upper
168 100
99 68.5 45.8 68.6



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.82 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.000 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

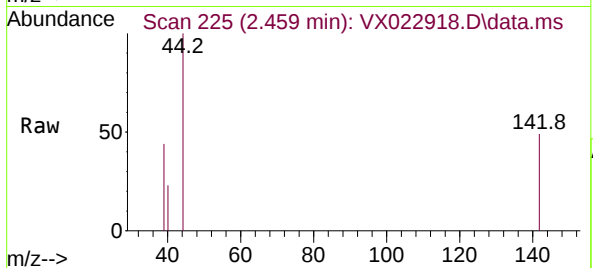
Tgt Ion:101 Resp: 2577
Ion Ratio Lower Upper
101 100
85 51.7 34.9 52.3
151 63.9 61.4 92.2



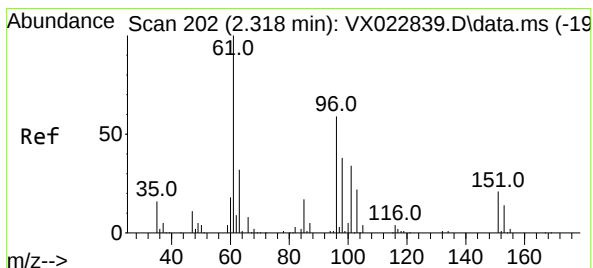
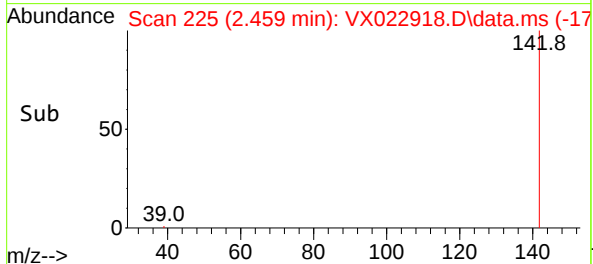
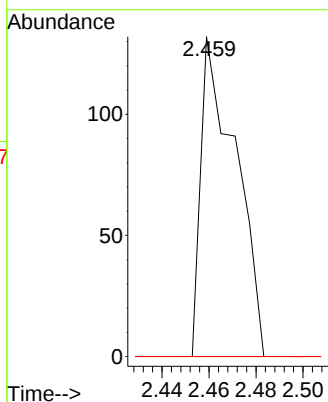


#10
Methyl Iodide
Concen: 4.03 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Instrument :
MSVOA_X
ClientSampled :

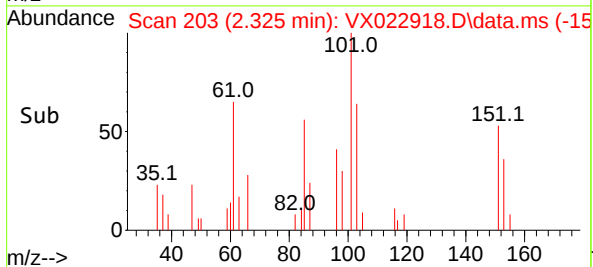
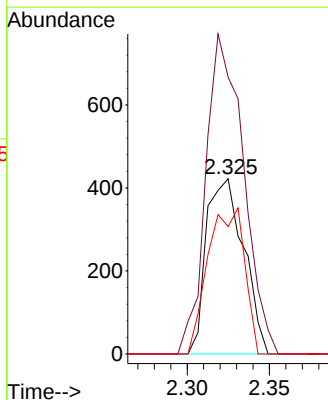
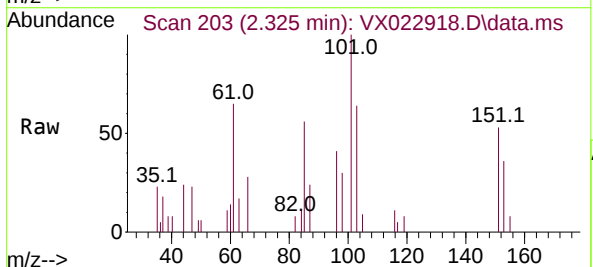


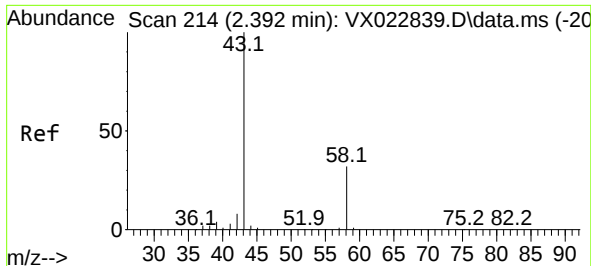
Tgt Ion:142 Resp: 135
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#12
1,1-Dichloroethene
Concen: 0.99 ug/l
RT: 2.325 min Scan# 203
Delta R.T. 0.007 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion: 96 Resp: 666
Ion Ratio Lower Upper
96 100
61 158.1 124.6 187.0
98 72.7 50.6 76.0

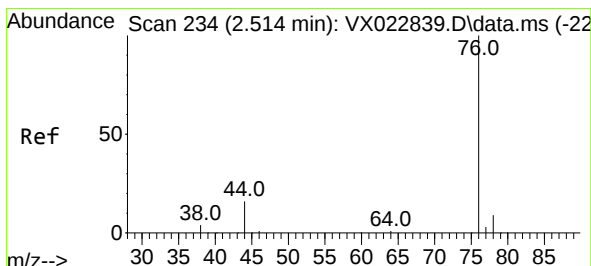
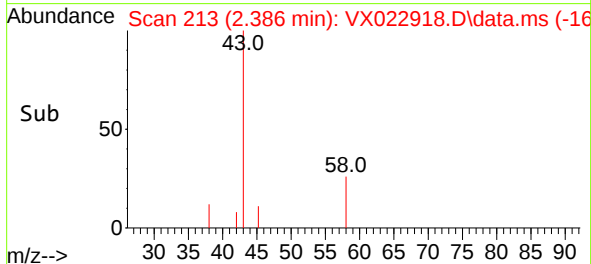
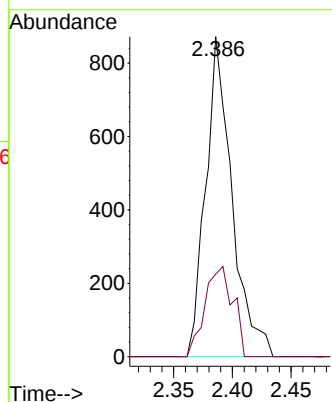
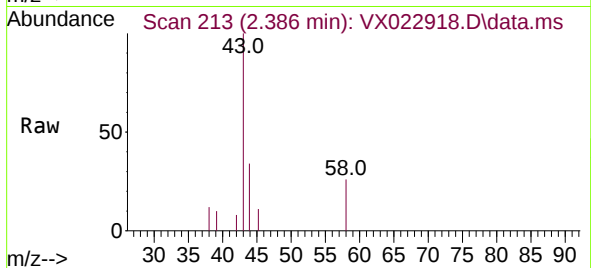




#16
Acetone
Concen: 3.25 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

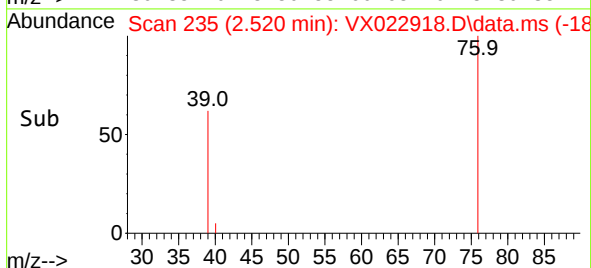
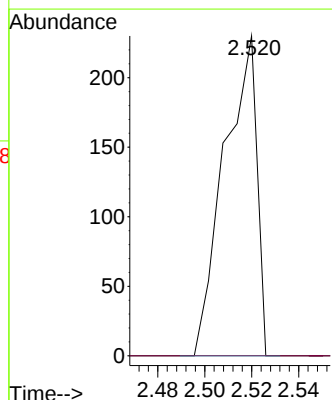
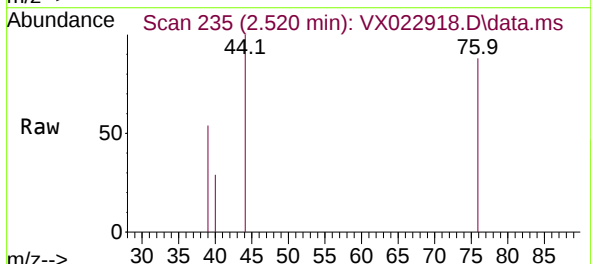
Instrument :
MSVOA_X
ClientSampled :

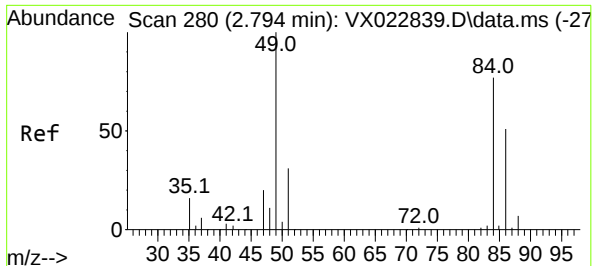
Tgt Ion: 43 Resp: 1357
Ion Ratio Lower Upper
43 100
58 25.8 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.63 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion: 76 Resp: 221
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#20

Methylene Chloride

Concen: 0.62 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX022918.D

Acq: 25 Jun 2021 13:18

Tgt Ion: 84 Resp: 206

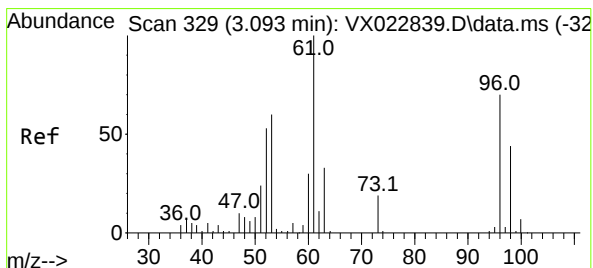
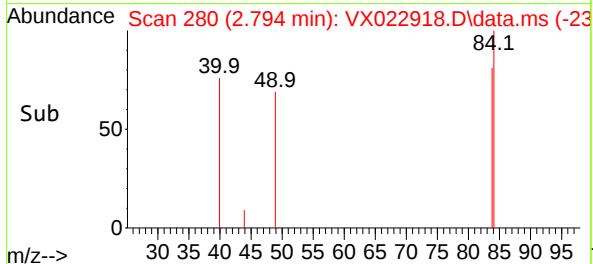
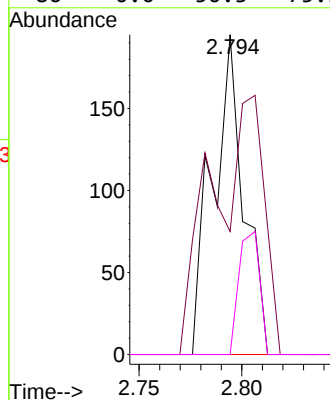
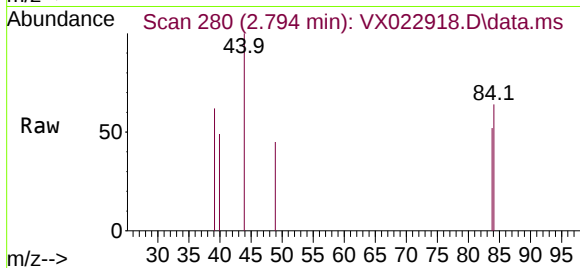
Ion Ratio Lower Upper

84 100

49 38.5 88.6 132.8#

51 0.0 27.0 40.6#

86 0.0 50.3 75.5#



#21

trans-1,2-Dichloroethene

Concen: 0.54 ug/l

RT: 3.099 min Scan# 330

Delta R.T. 0.006 min

Lab File: VX022918.D

Acq: 25 Jun 2021 13:18

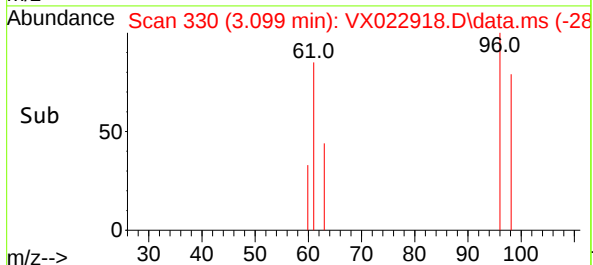
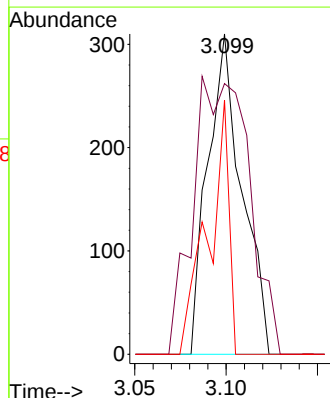
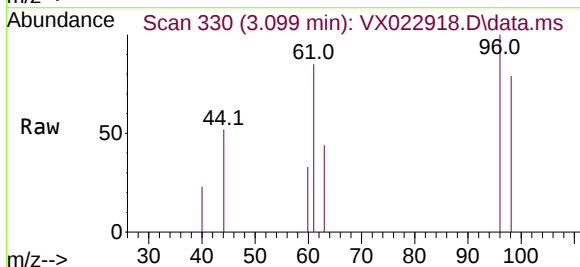
Tgt Ion: 96 Resp: 402

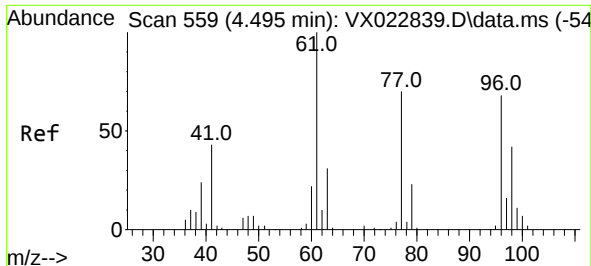
Ion Ratio Lower Upper

96 100

61 84.5 107.7 161.5#

98 79.4 50.4 75.6#





#27

cis-1,2-Dichloroethene

Concen: 2.77 ug/l

RT: 4.489 min Scan# 558

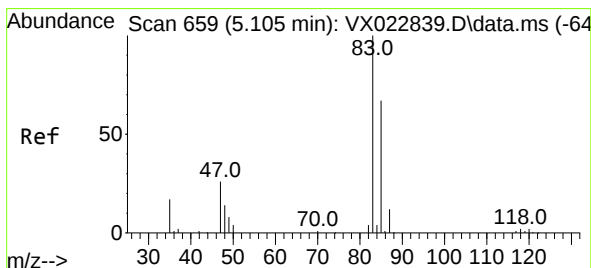
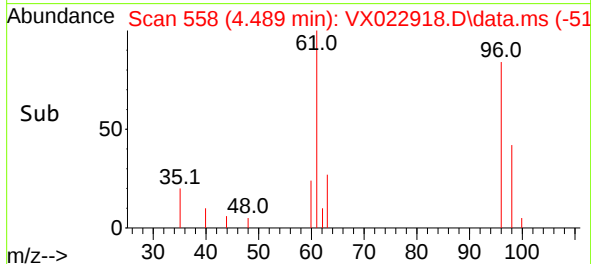
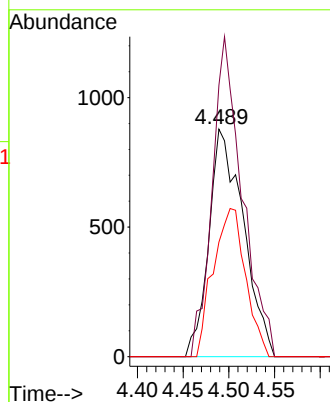
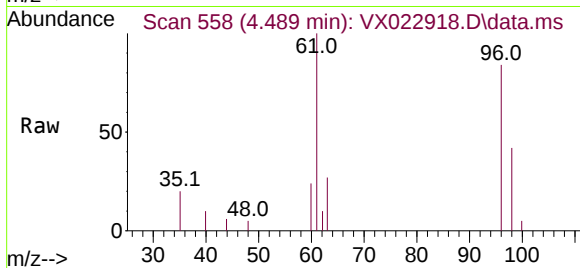
Delta R.T. -0.006 min

Lab File: VX022918.D

Acq: 25 Jun 2021 13:18

Tgt Ion: 96 Resp: 2299

Ion	Ratio	Lower	Upper
96	100		
61	122.7	0.0	285.6
98	61.1	0.0	129.6



#30

Chloroform

Concen: 0.37 ug/l

RT: 5.105 min Scan# 659

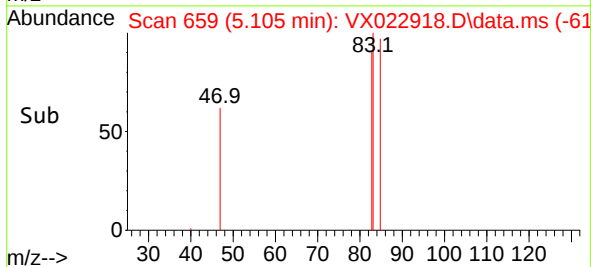
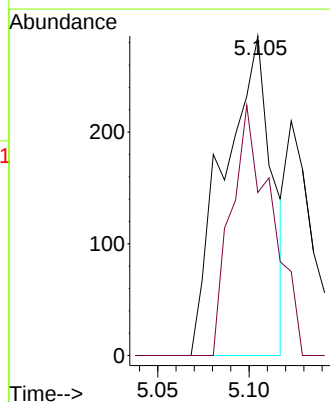
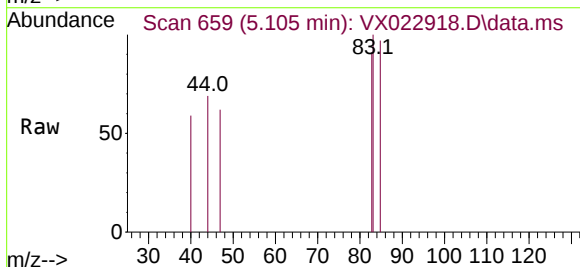
Delta R.T. -0.000 min

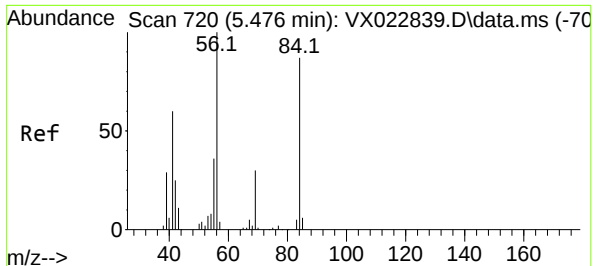
Lab File: VX022918.D

Acq: 25 Jun 2021 13:18

Tgt Ion: 83 Resp: 523

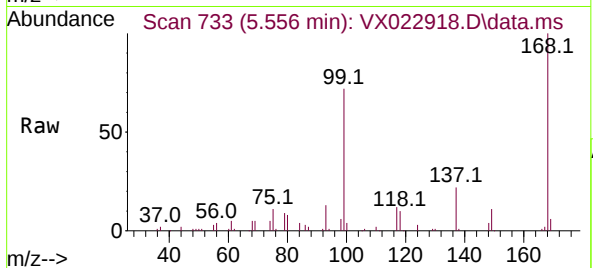
Ion	Ratio	Lower	Upper
83	100		
85	51.0	52.0	78.0#



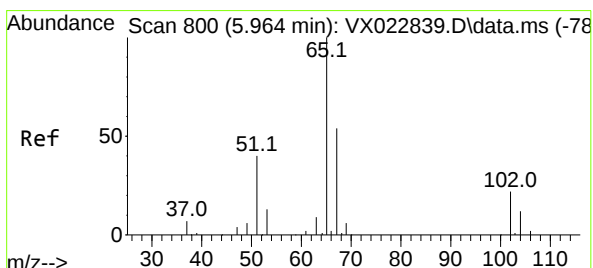
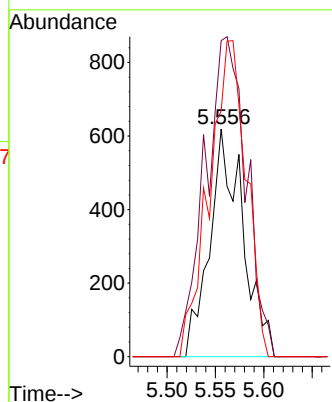
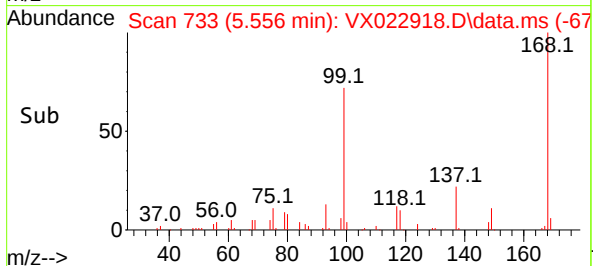


#31
Cyclohexane
Concen: 1.11 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

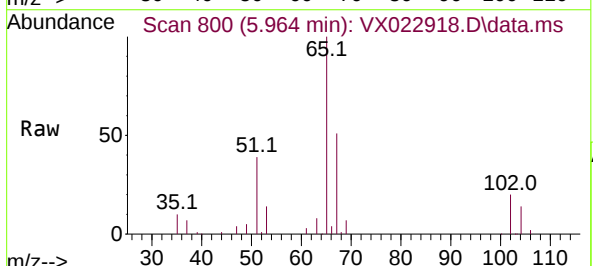
Instrument :
MSVOA_X
ClientSampleId :



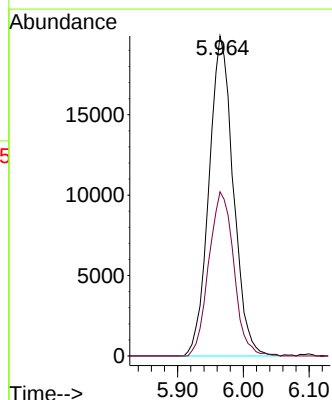
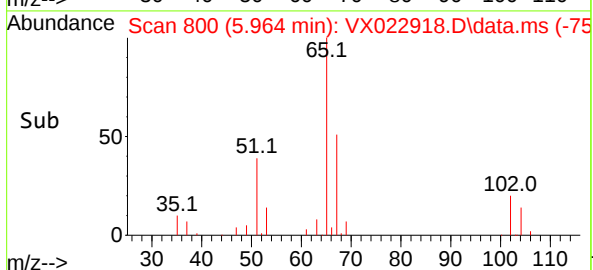
Tgt Ion: 56 Resp: 1481
Ion Ratio Lower Upper
56 100
69 138.8 25.3 37.9#
84 107.9 71.4 107.0#

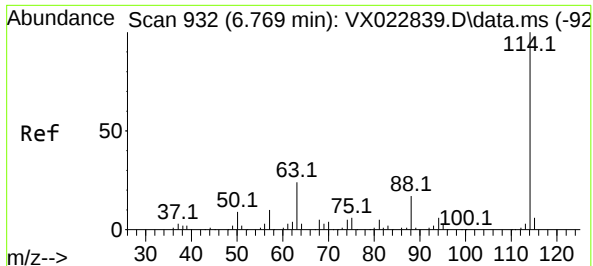


#33
1,2-Dichloroethane-d4
Concen: 54.30 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18



Tgt Ion: 65 Resp: 51194
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.4

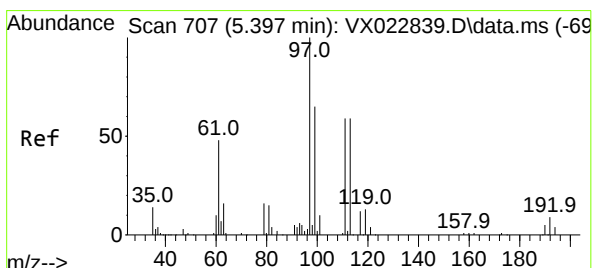
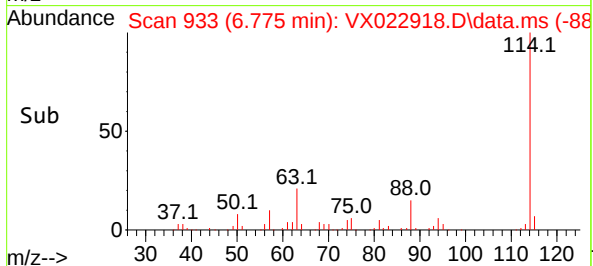
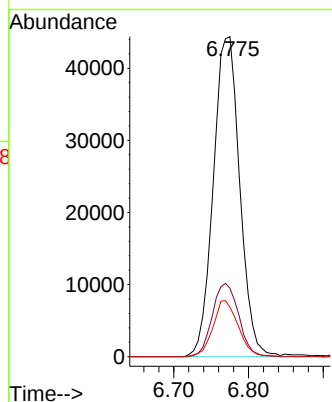
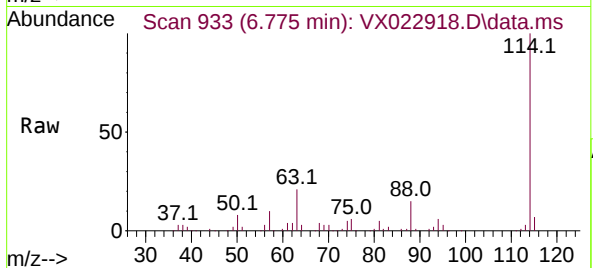




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

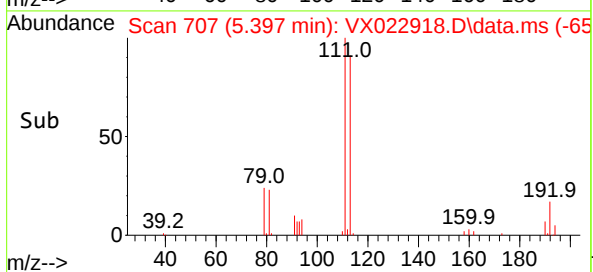
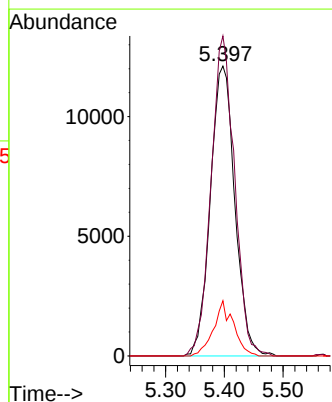
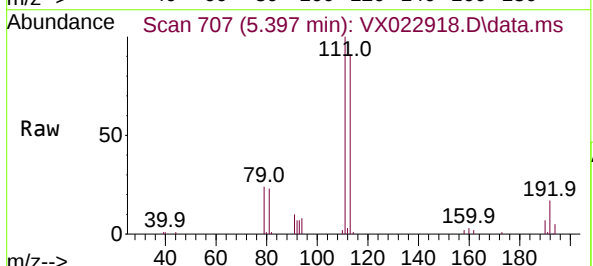
Instrument :
MSVOA_X
ClientSampled :

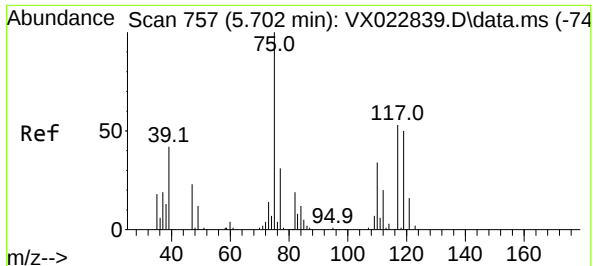
Tgt Ion:114 Resp: 109175
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 15.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.57 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion:113 Resp: 35062
Ion Ratio Lower Upper
113 100
111 106.1 81.9 122.9
192 15.6 16.7 25.1#

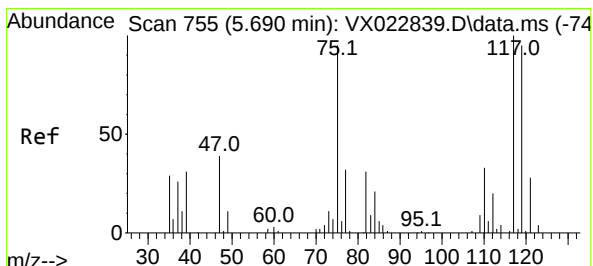
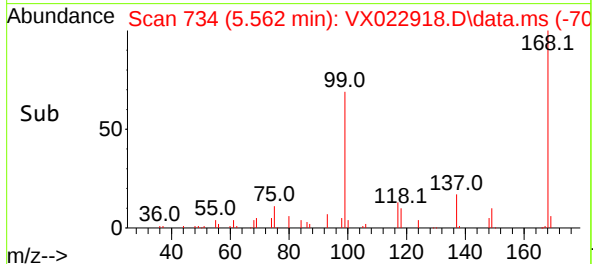
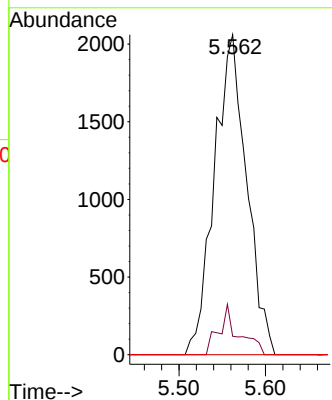
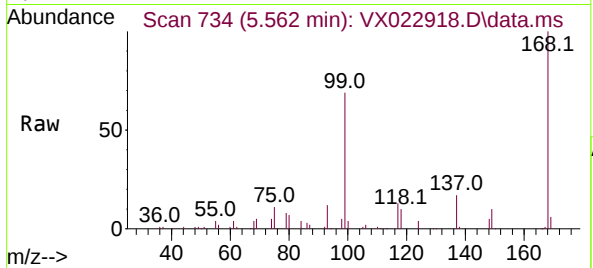




#36
1,1-Dichloropropene
Concen: 4.60 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

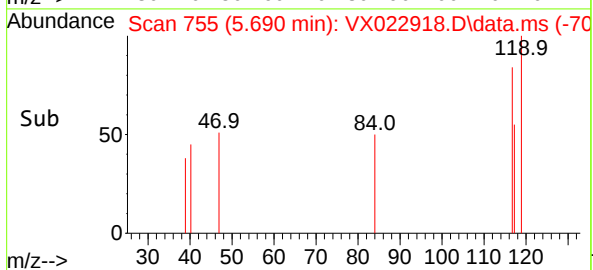
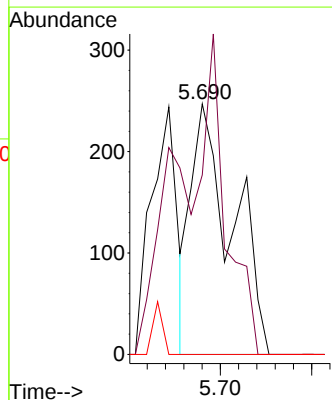
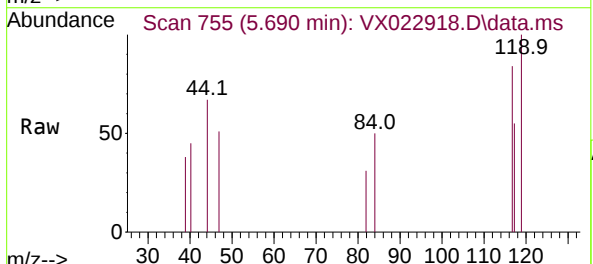
Instrument :
MSVOA_X
ClientSampled :

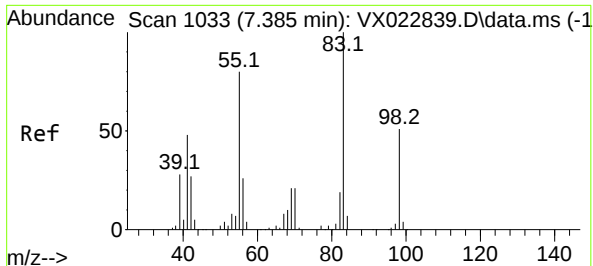
Tgt Ion: 75 Resp: 5335
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 0.40 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion: 117 Resp: 387
Ion Ratio Lower Upper
117 100
119 71.7 76.2 114.2#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 4.25 ug/l

RT: 7.129 min Scan# 991

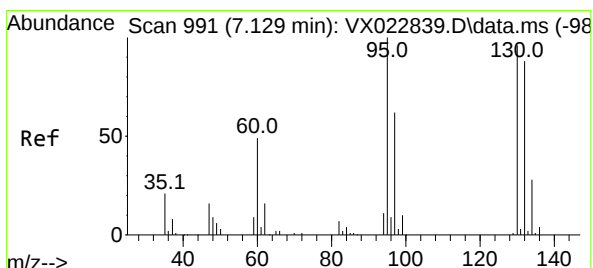
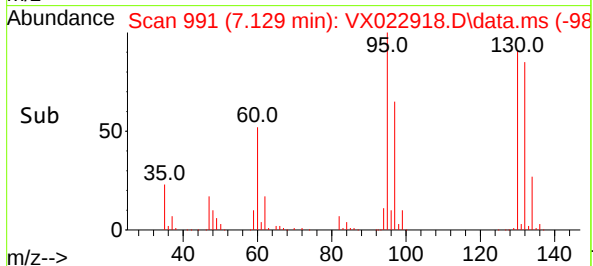
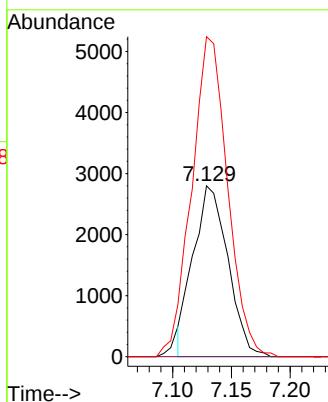
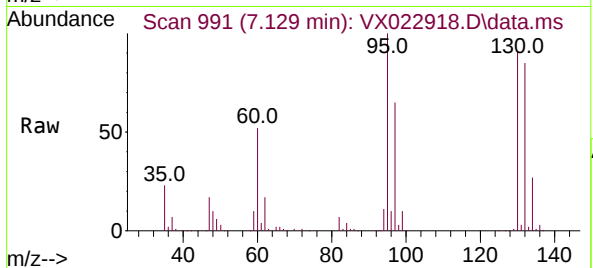
Delta R.T. -0.256 min

Lab File: VX022918.D

Acq: 25 Jun 2021 13:18

Tgt Ion:	83	Resp:	5752
Ion	Ratio	Lower	Upper
83	100		
55	0.0	58.9	88.3#
98	187.3	38.1	57.1#

Instrument :
MSVOA_X
ClientSampleId :



#44

Trichloroethene

Concen: 520.33 ug/l

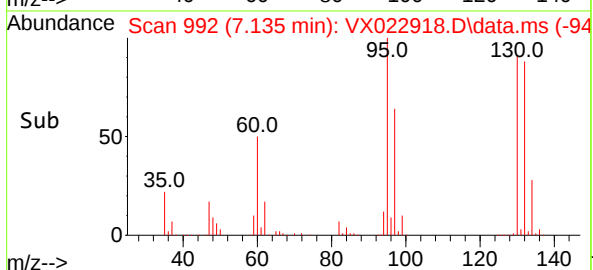
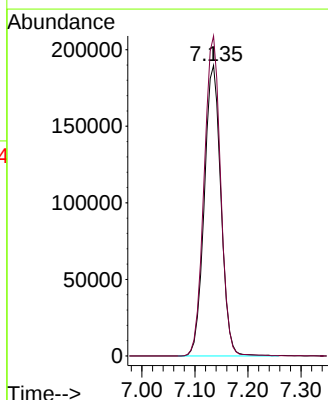
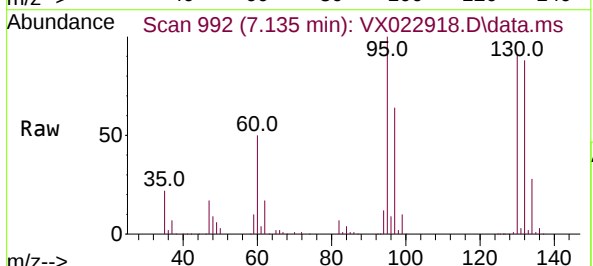
RT: 7.135 min Scan# 992

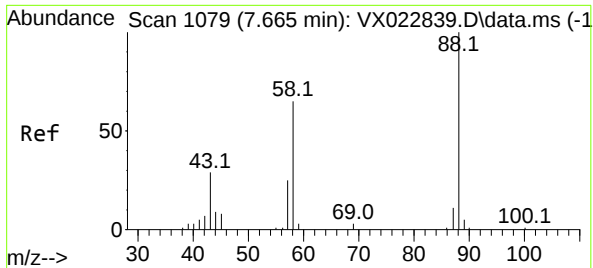
Delta R.T. 0.006 min

Lab File: VX022918.D

Acq: 25 Jun 2021 13:18

Tgt Ion:	130	Resp:	412608
Ion	Ratio	Lower	Upper
130	100		
95	110.2	0.0	198.0

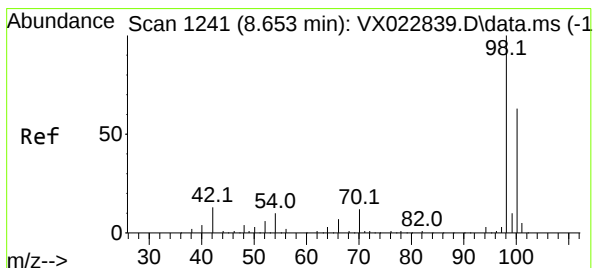
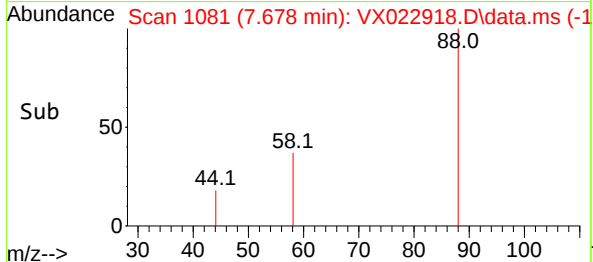
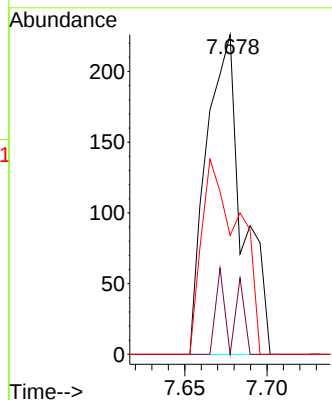
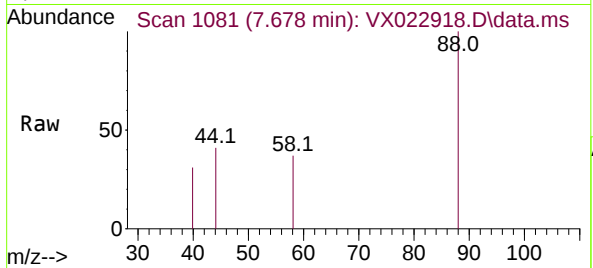




#49
1,4-Dioxane
Concen: 16.04 ug/l
RT: 7.678 min Scan# 1081
Delta R.T. 0.013 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

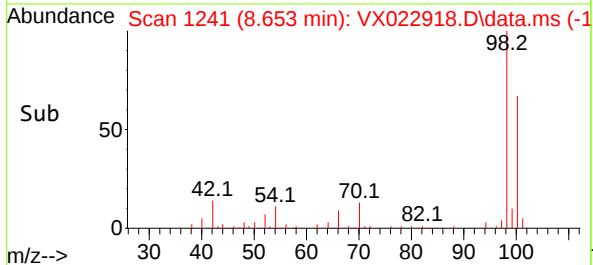
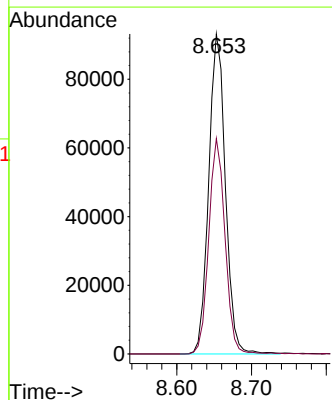
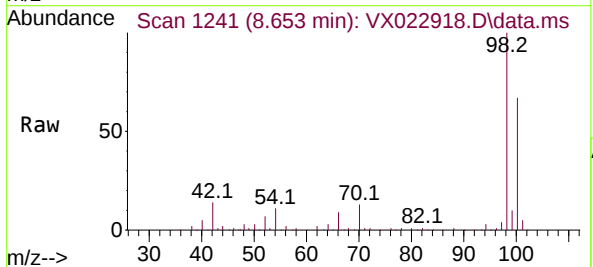
Instrument :
MSVOA_X
ClientSampled :

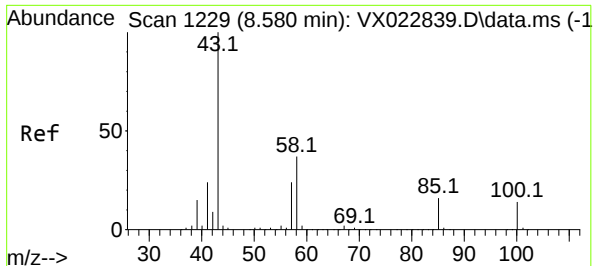
Tgt Ion: 88 Resp: 345
Ion Ratio Lower Upper
88 100
43 12.2 23.2 34.8#
58 63.5 55.0 82.4



#50
Toluene-d8
Concen: 53.26 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion: 98 Resp: 144723
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

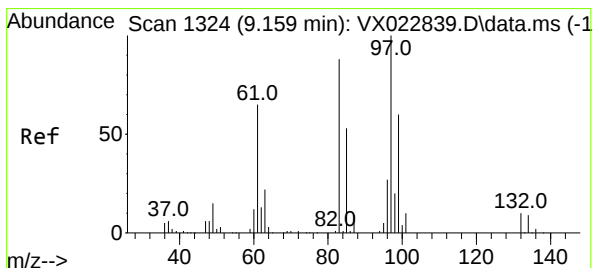
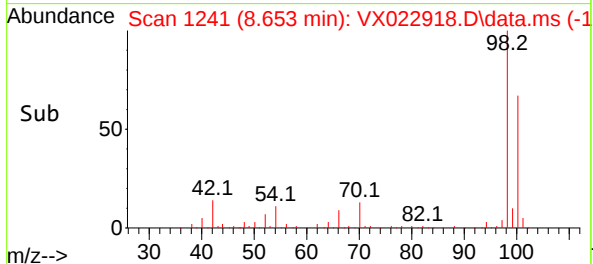
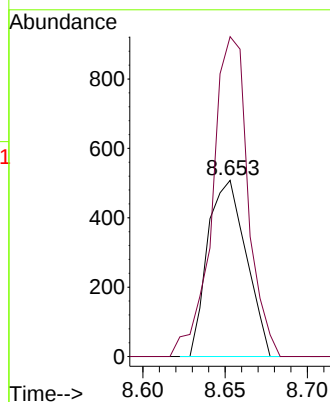
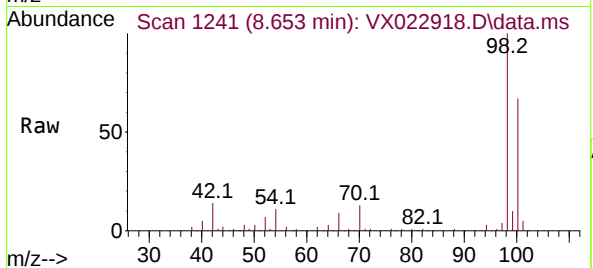




#51
4-Methyl-2-Pentanone
Concen: 0.61 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

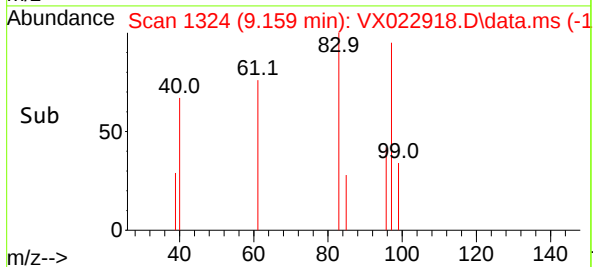
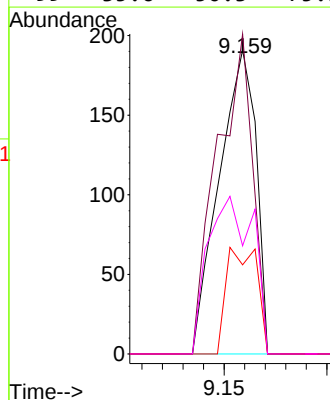
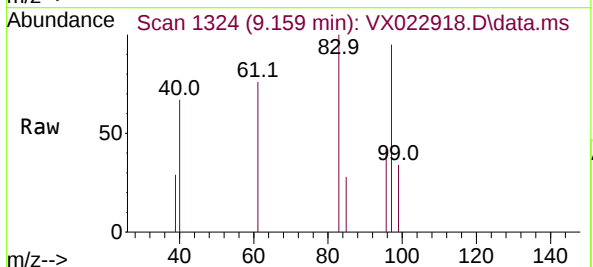
Instrument :
MSVOA_X
ClientSampled :

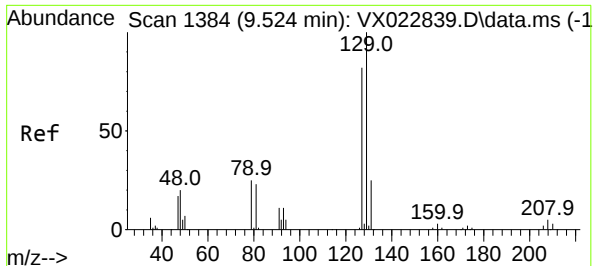
Tgt Ion: 43 Resp: 824
Ion Ratio Lower Upper
43 100
58 169.1 35.4 53.0#



#55
1,1,2-Trichloroethane
Concen: 0.29 ug/l
RT: 9.159 min Scan# 1324
Delta R.T. -0.000 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion: 97 Resp: 238
Ion Ratio Lower Upper
97 100
83 105.2 69.3 103.9#
85 29.3 44.3 66.5#
99 35.6 50.3 75.5#

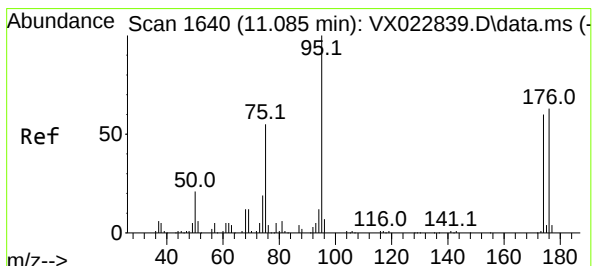
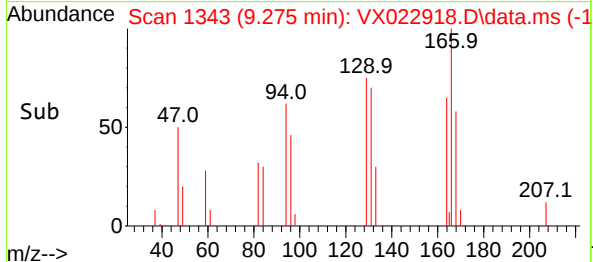
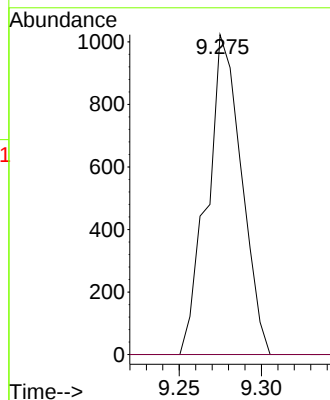
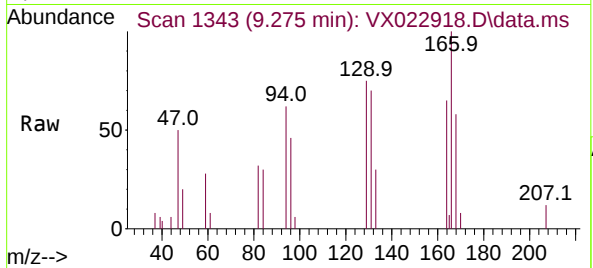




#60
Dibromochloromethane
Concen: 5.38 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. -0.249 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

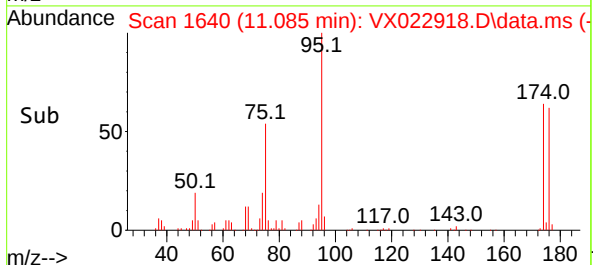
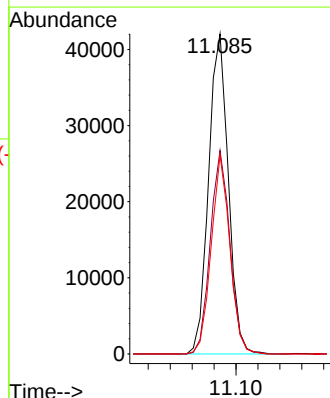
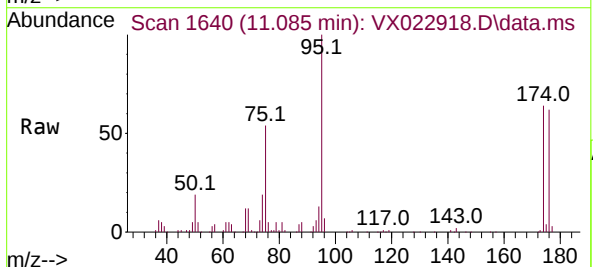
Instrument :
MSVOA_X
ClientSampled :

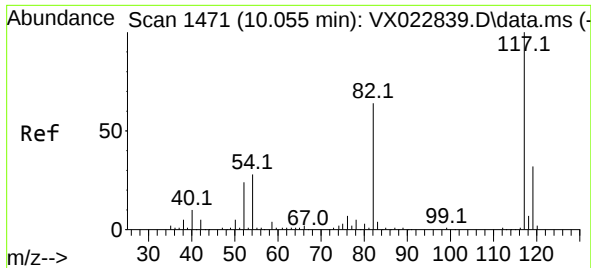
Tgt Ion:129 Resp: 1481
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 51.76 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion: 95 Resp: 52490
Ion Ratio Lower Upper
95 100
174 63.1 0.0 154.6
176 58.7 0.0 155.8

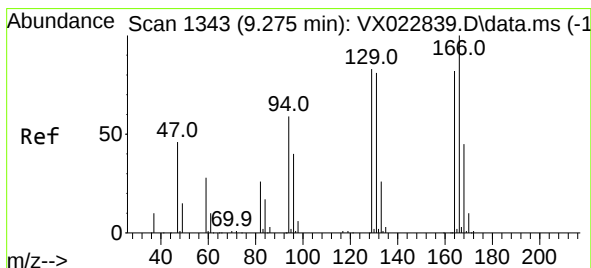
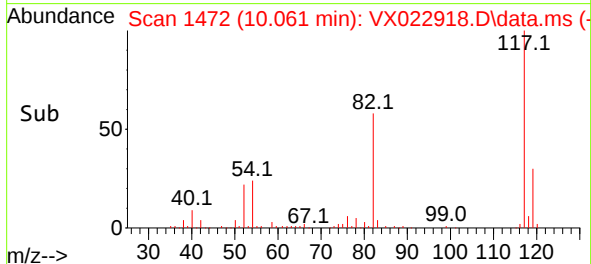
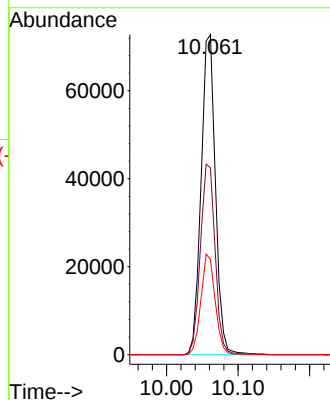
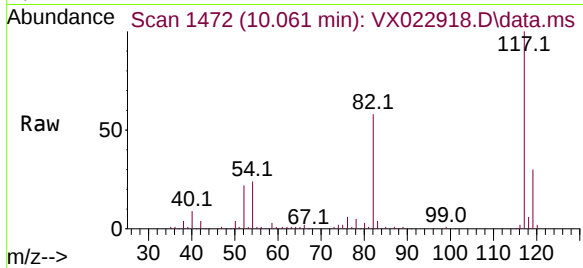




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

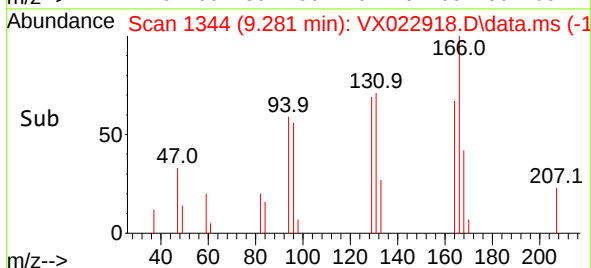
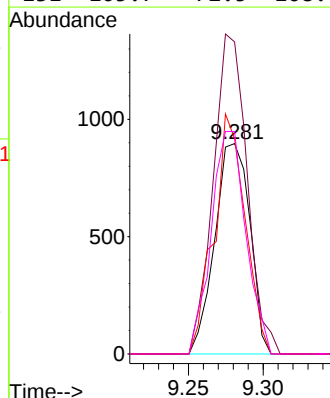
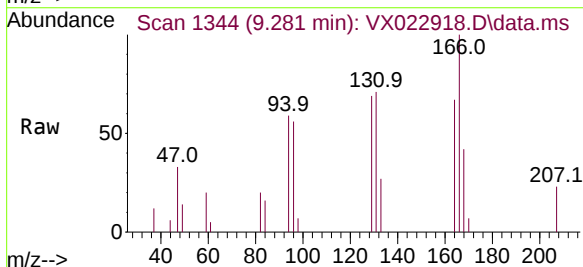
Instrument :
MSVOA_X
ClientSampleId :

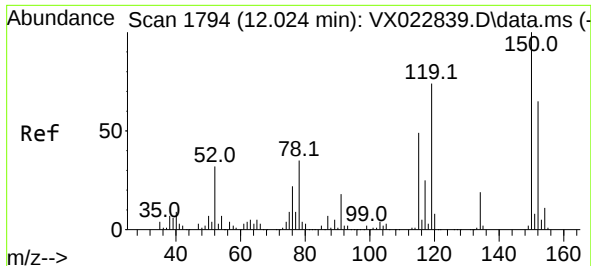
Tgt Ion:117 Resp: 101514
Ion Ratio Lower Upper
117 100
82 58.4 47.4 71.2
119 29.8 26.6 39.8



#64
Tetrachloroethene
Concen: 2.05 ug/l
RT: 9.281 min Scan# 1344
Delta R.T. 0.006 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion:164 Resp: 1464
Ion Ratio Lower Upper
164 100
166 148.3 103.4 155.2
129 102.2 70.8 106.2
131 105.7 72.5 108.7

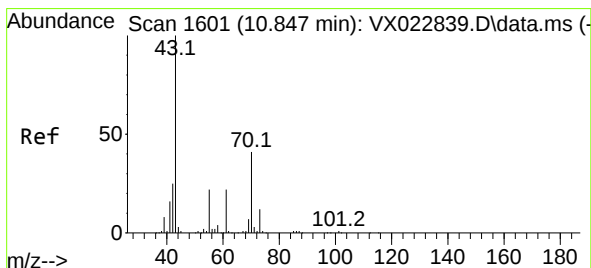
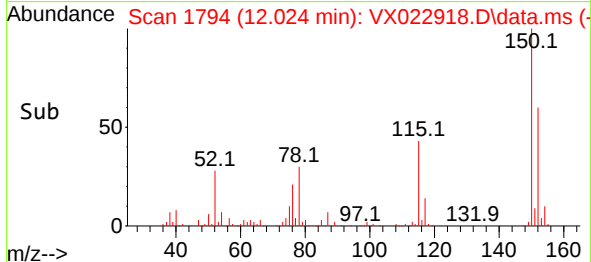
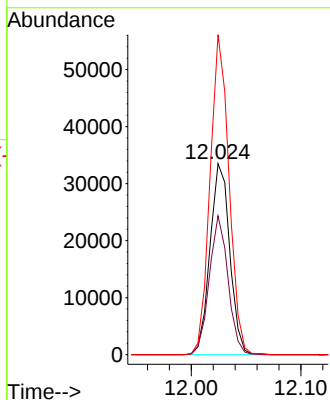
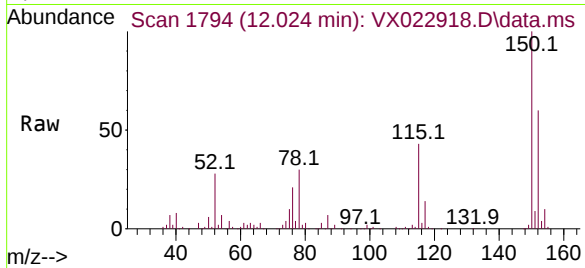




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX022918.D
 Acq: 25 Jun 2021 13:18

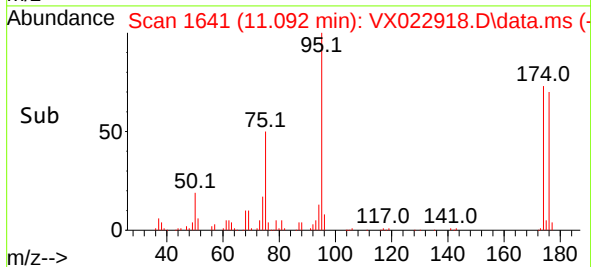
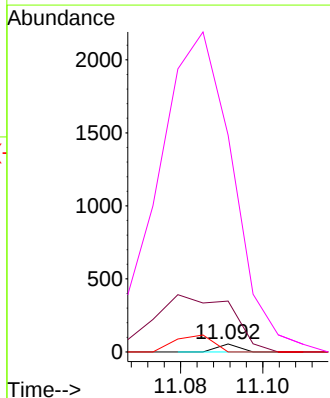
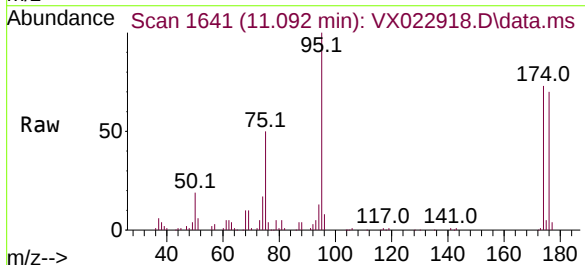
Instrument :
 MSVOA_X
 ClientSampleId :

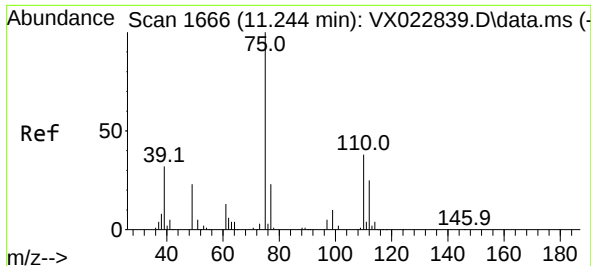
Tgt Ion:152 Resp: 42006
 Ion Ratio Lower Upper
 152 100
 115 68.7 41.1 123.3
 150 160.3 0.0 349.0



#74
 N-ethyl acetate
 Concen: 2.06 ug/l
 RT: 11.092 min Scan# 1641
 Delta R.T. 0.245 min
 Lab File: VX022918.D
 Acq: 25 Jun 2021 13:18

Tgt Ion: 43 Resp: 20
 Ion Ratio Lower Upper
 43 100
 70 2630.0 39.0 58.6#
 55 375.0 21.5 32.3#
 61 13955.0 22.1 33.1#

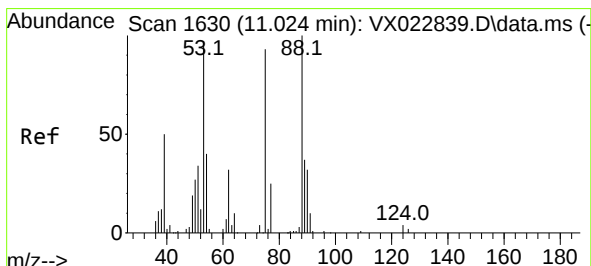
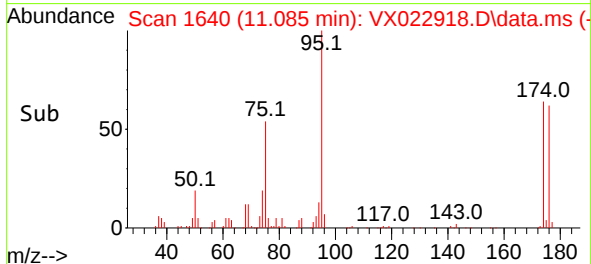
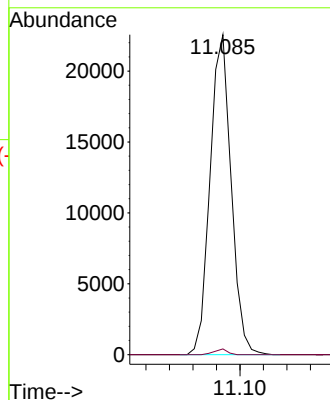
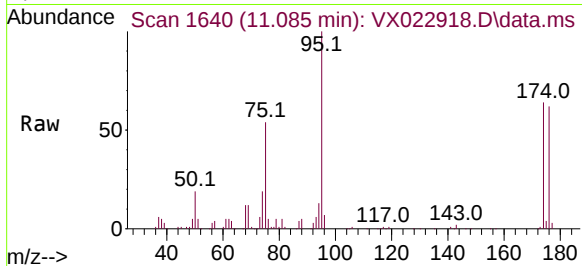




#76
1,2,3-Trichloropropane
Concen: 25.36 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

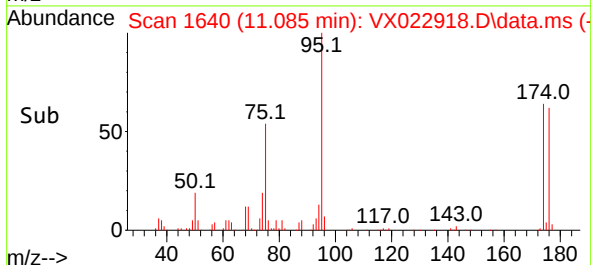
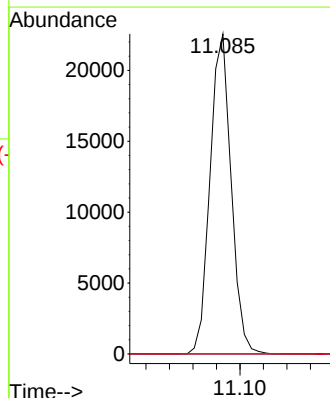
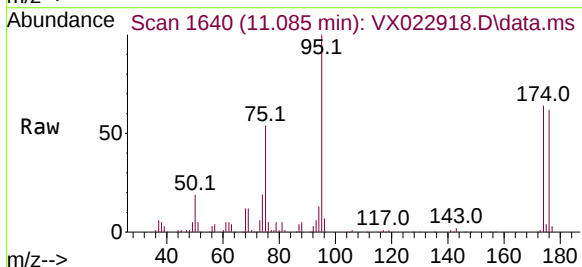
Instrument :
MSVOA_X
ClientSampled :

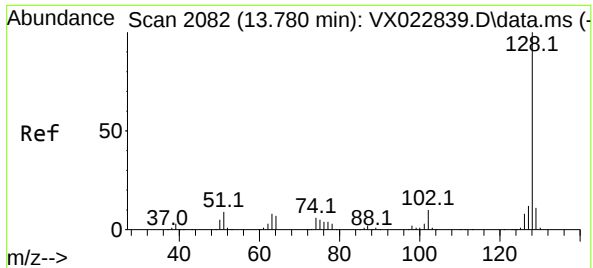
Tgt Ion: 75 Resp: 28134
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.08 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Tgt Ion: 75 Resp: 28134
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.99 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX022918.D
Acq: 25 Jun 2021 13:18

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 255
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

