

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060221\
 Data File : VX022344.D
 Acq On : 02 Jun 2021 17:25
 Operator : JC/MD
 Sample : M2572-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20210528

Quant Time: Jun 03 02:22:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051921W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 19 14:23:10 2021
 Response via : Initial Calibration

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

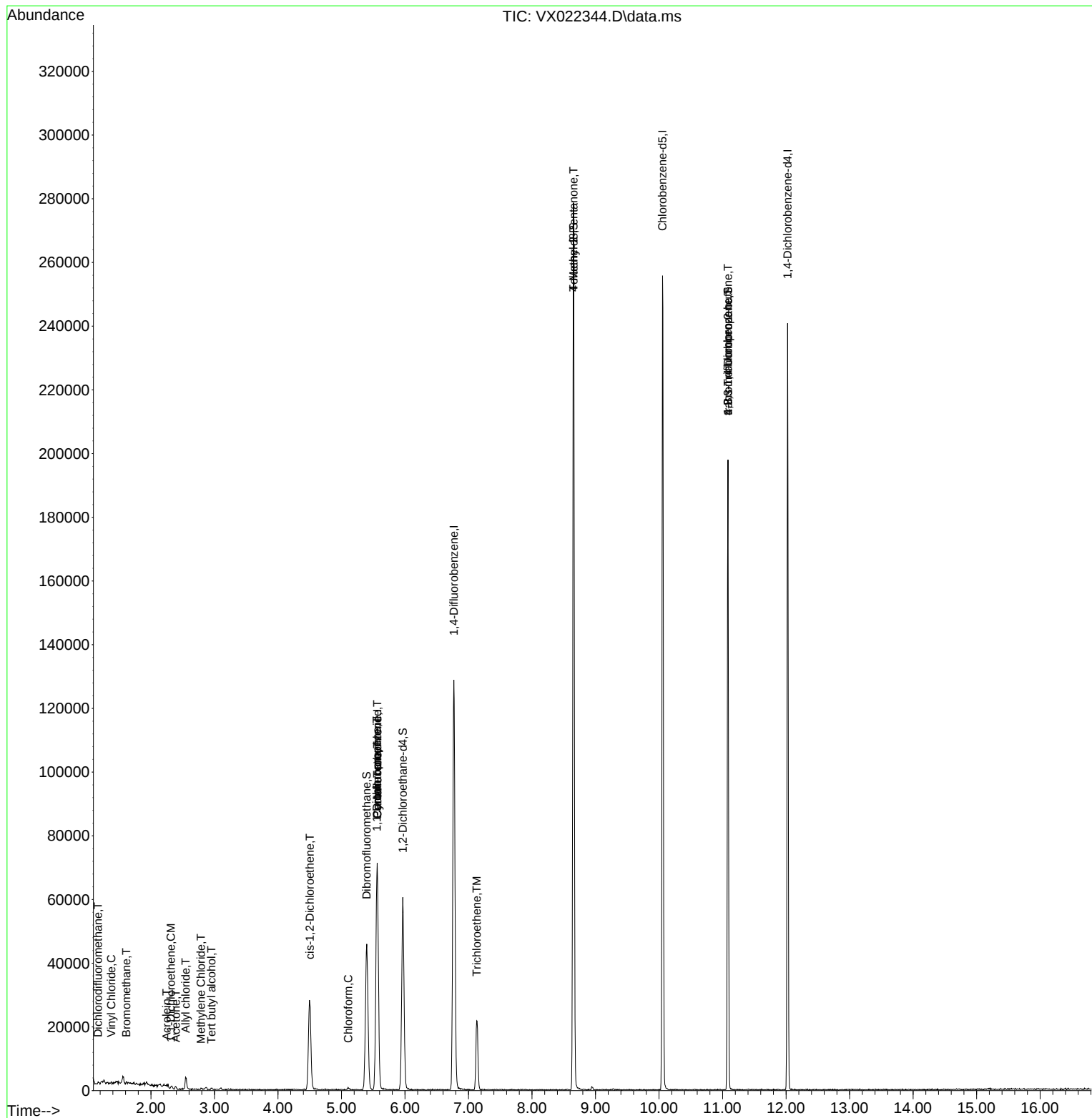
Internal Standards						
1) Pentafluorobenzene	5.562	168	60045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	129246	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	113772	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	42288	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	52661	56.85	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.70%			
35) Dibromofluoromethane	5.397	113	38645	47.15	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.30%			
50) Toluene-d8	8.653	98	158854	50.31	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.62%			
62) 4-Bromofluorobenzene	11.085	95	54015	46.29	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 92.58%			
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.166	85	263	0.36	ug/l	86
4) Vinyl Chloride	1.374	62	251	0.30	ug/l #	54
5) Bromomethane	1.611	94	109	0.22	ug/l	93
11) Tert butyl alcohol	2.953	59	124	0.59	ug/l #	73
12) 1,1-Dichloroethene	2.312	96	358	0.52	ug/l #	45
13) Acrolein	2.245	56	39	0.28	ug/l #	14
14) Allyl chloride	2.544	41	421	0.33	ug/l #	27
16) Acetone	2.392	43	665	1.65	ug/l	94
20) Methylene Chloride	2.788	84	240	0.27	ug/l #	68
27) cis-1,2-Dichloroethene	4.501	96	17878	19.64	ug/l	87
30) Chloroform	5.105	83	695	0.47	ug/l #	50
31) Cyclohexane	5.562	56	1864	1.60	ug/l #	46
36) 1,1-Dichloropropene	5.556	75	5821	4.87	ug/l #	49
38) Carbon Tetrachloride	5.562	117	7027	6.01	ug/l #	15
44) Trichloroethene	7.129	130	8197	8.97	ug/l	95
51) 4-Methyl-2-Pentanone	8.653	43	826	0.58	ug/l #	1
76) 1,2,3-Trichloropropane	11.085	75	27511	26.37	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	27511	62.48	ug/l #	12

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

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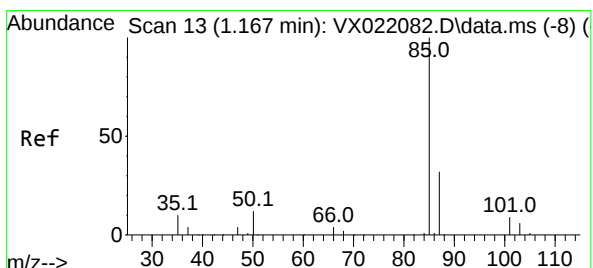
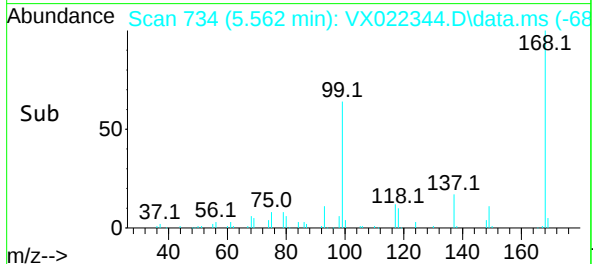
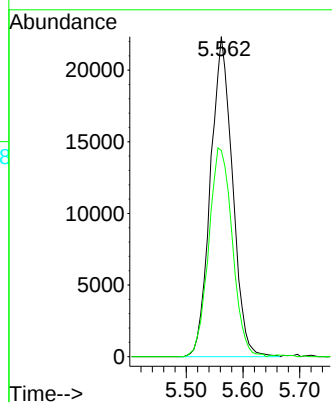
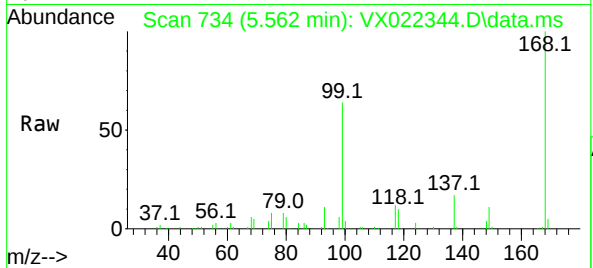




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

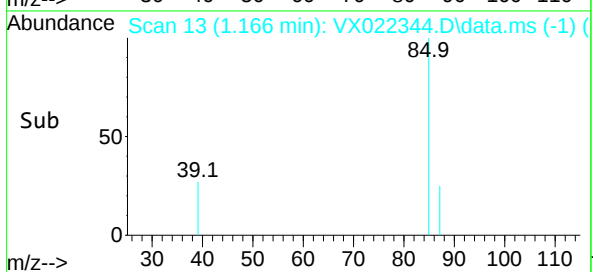
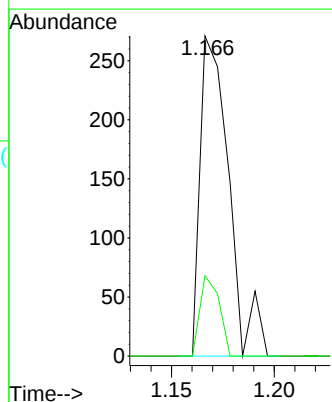
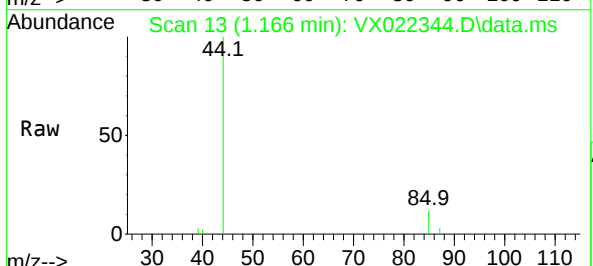
Instrument :
MSVOA_X
ClientSampleId :
22BR-20210528

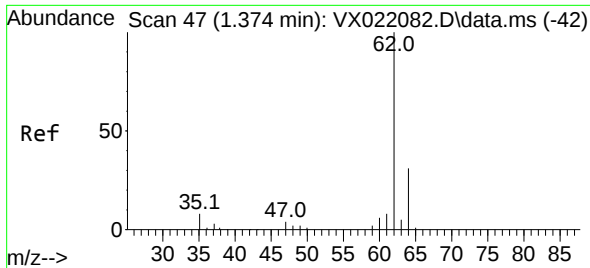
Tgt Ion:168 Resp: 60045
Ion Ratio Lower Upper
168 100
99 64.4 45.8 68.6



#2
Dichlorodifluoromethane
Concen: 0.36 ug/l
RT: 1.166 min Scan# 13
Delta R.T. -0.001 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 85 Resp: 263
Ion Ratio Lower Upper
85 100
87 25.1 16.4 49.2

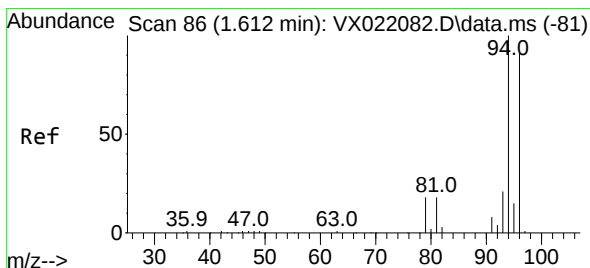
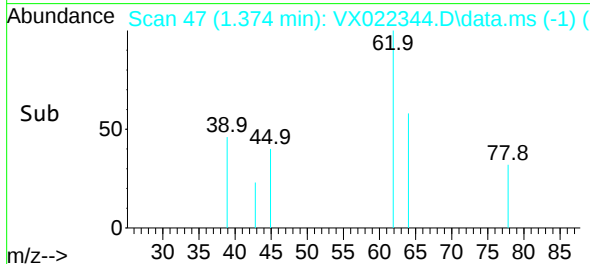
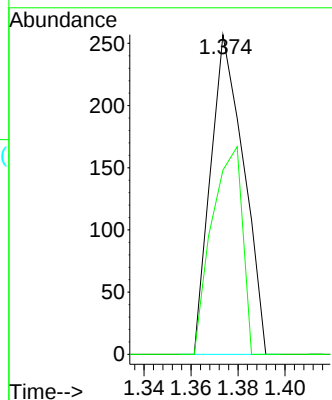
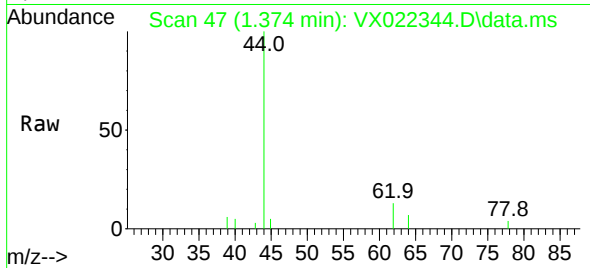




#4
 Vinyl Chloride
 Concen: 0.30 ug/l
 RT: 1.374 min Scan# 47
 Delta R.T. -0.000 min
 Lab File: VX022344.D
 Acq: 02 Jun 2021 17:25

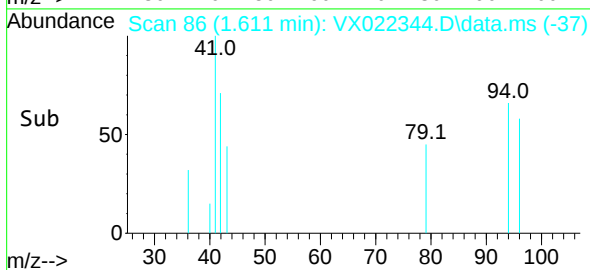
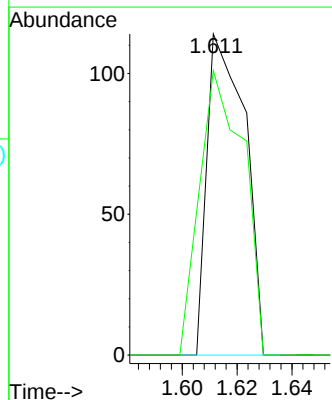
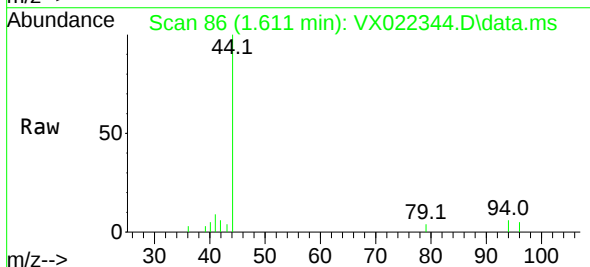
Instrument :
 MSVOA_X
 ClientSampleId :
 22BR-20210528

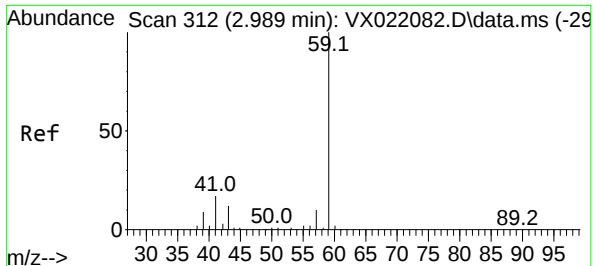
Tgt Ion: 62 Resp: 251
 Ion Ratio Lower Upper
 62 100
 64 57.6 25.7 38.5#



#5
 Bromomethane
 Concen: 0.22 ug/l
 RT: 1.611 min Scan# 86
 Delta R.T. -0.001 min
 Lab File: VX022344.D
 Acq: 02 Jun 2021 17:25

Tgt Ion: 94 Resp: 109
 Ion Ratio Lower Upper
 94 100
 96 88.6 76.4 114.6



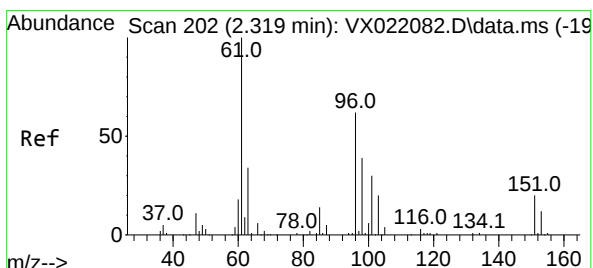
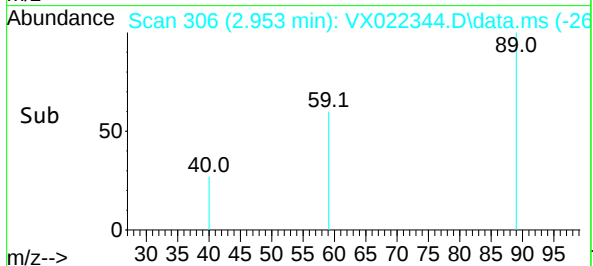
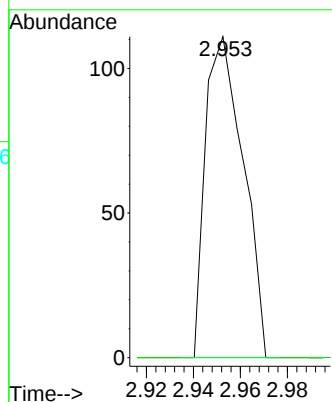
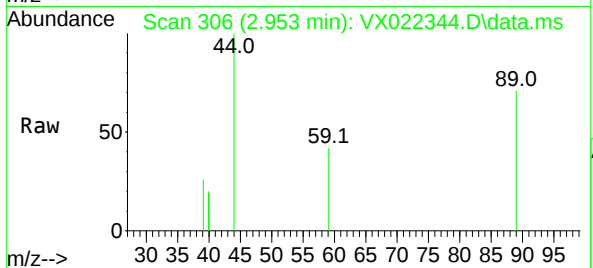


#11

Tert butyl alcohol
Concen: 0.59 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.036 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Instrument :
MSVOA_X
ClientSampleId :
22BR-20210528

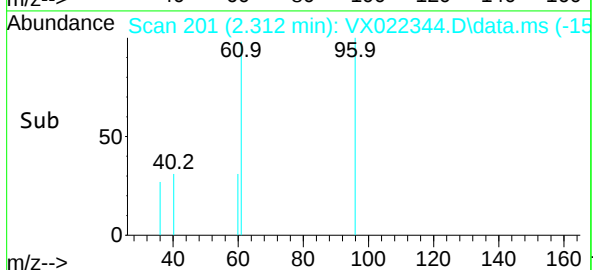
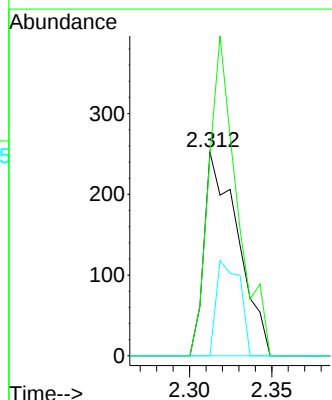
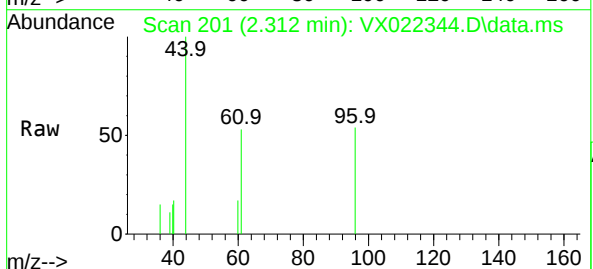
Tgt Ion: 59 Resp: 124
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

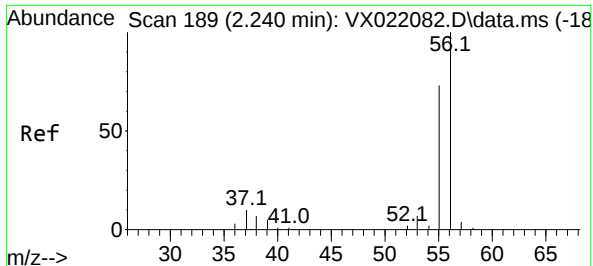


#12

1,1-Dichloroethene
Concen: 0.52 ug/l
RT: 2.312 min Scan# 201
Delta R.T. -0.007 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 96 Resp: 358
Ion Ratio Lower Upper
96 100
61 98.4 124.6 187.0#
98 0.0 50.6 76.0#

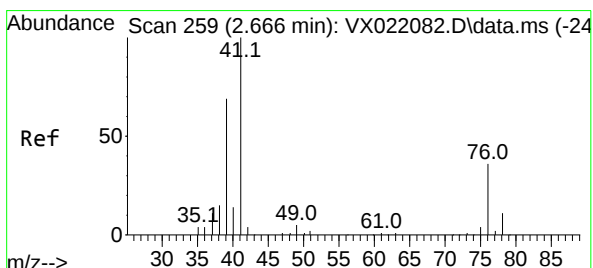
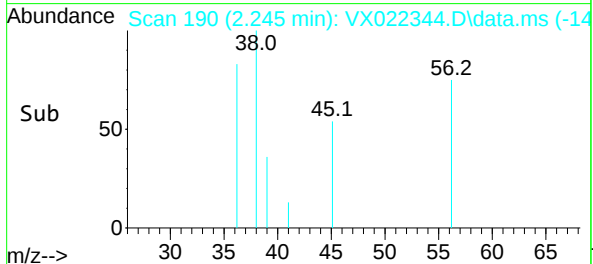
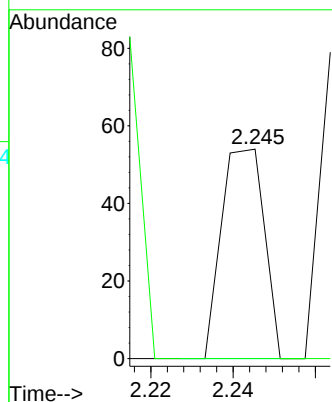
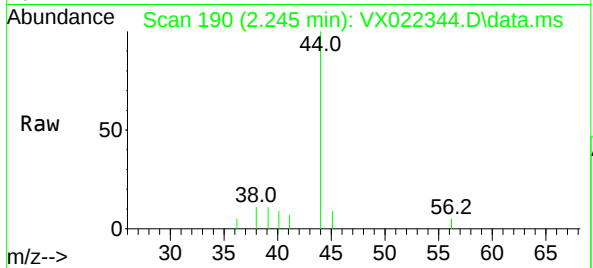




#13
Acrolein
Concen: 0.28 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.005 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

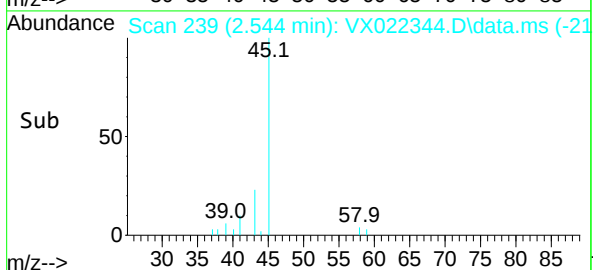
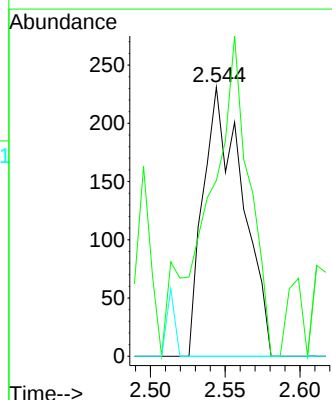
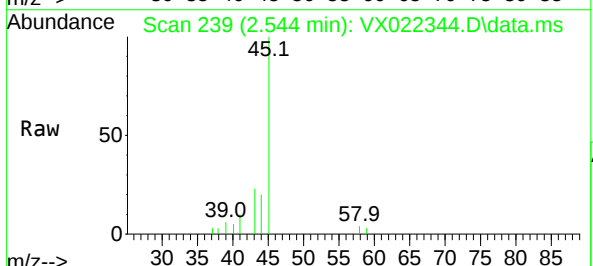
Instrument :
MSVOA_X
ClientSampleId :
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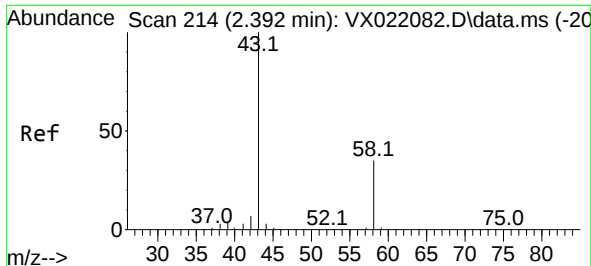
Tgt Ion: 56 Resp: 39
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#14
Allyl chloride
Concen: 0.33 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.122 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 41 Resp: 421
Ion Ratio Lower Upper
41 100
39 126.4 51.6 77.4#
76 0.0 30.5 45.7#

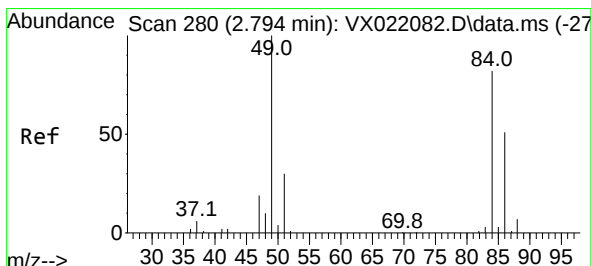
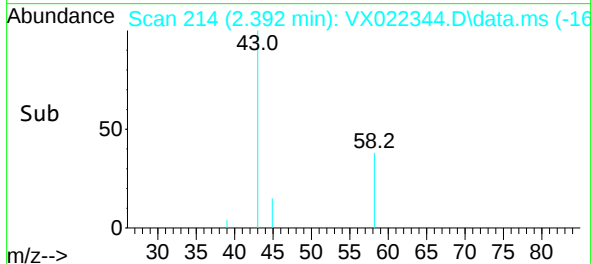
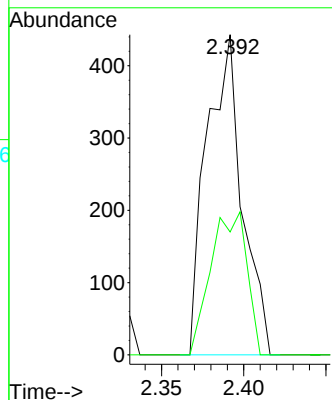
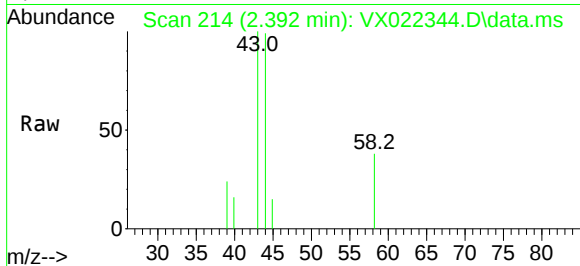




#16
Acetone
Concen: 1.65 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

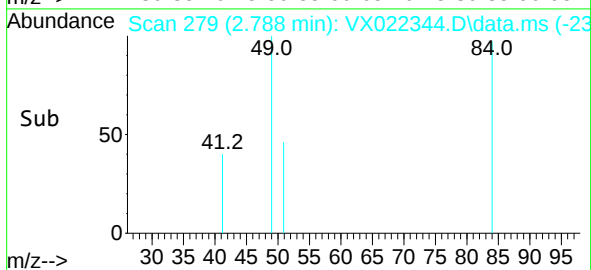
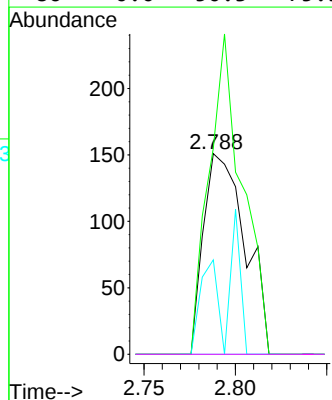
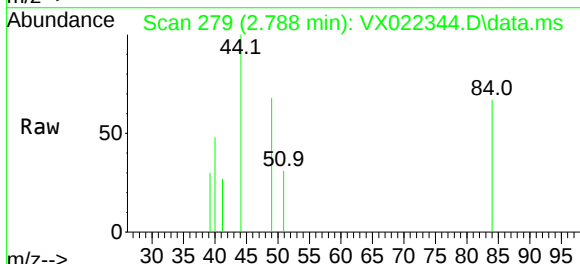
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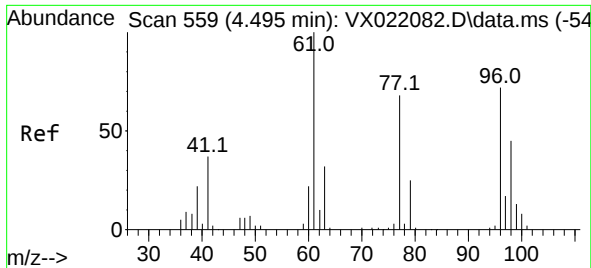
Tgt Ion: 43 Resp: 665
Ion Ratio Lower Upper
43 100
58 38.4 27.8 41.8



#20
Methylene Chloride
Concen: 0.27 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.006 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 84 Resp: 240
Ion Ratio Lower Upper
84 100
49 102.6 88.6 132.8
51 47.0 27.0 40.6#
86 0.0 50.3 75.5#





#27

cis-1,2-Dichloroethene

Concen: 19.64 ug/l

RT: 4.501 min Scan# 560

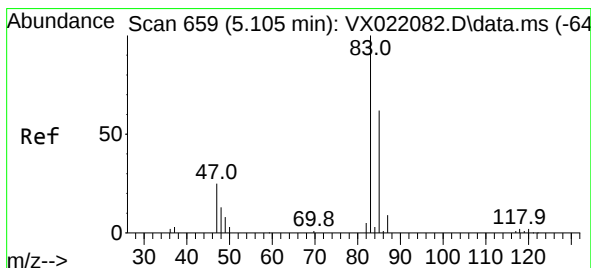
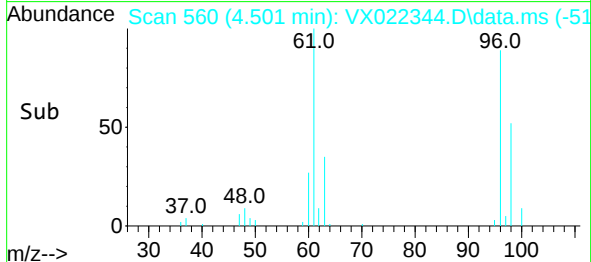
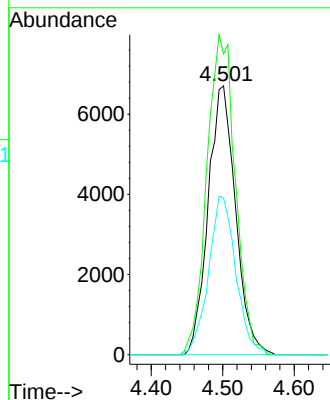
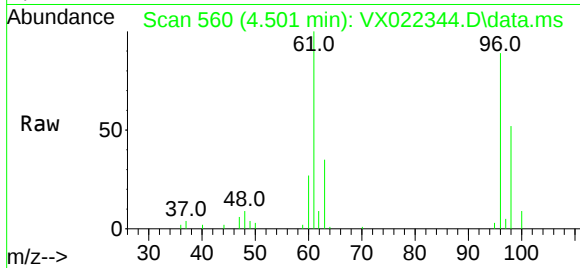
Delta R.T. 0.006 min

Lab File: VX022344.D

Acq: 02 Jun 2021 17:25

Tgt Ion: 96 Resp: 17878

Ion	Ratio	Lower	Upper
96	100		
61	123.3	0.0	285.6
98	58.5	0.0	129.6



#30

Chloroform

Concen: 0.47 ug/l

RT: 5.105 min Scan# 659

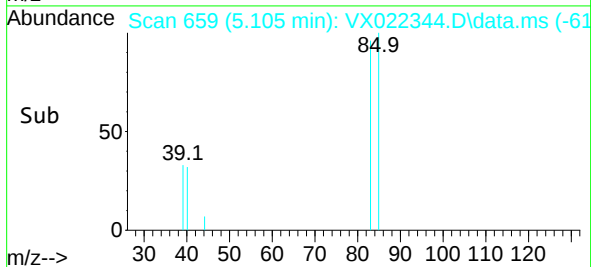
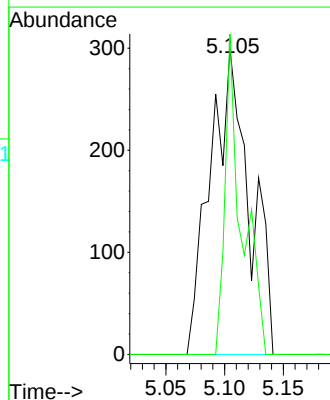
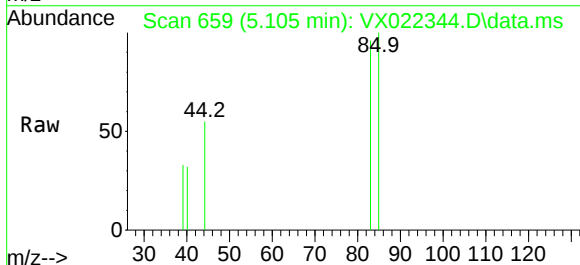
Delta R.T. -0.000 min

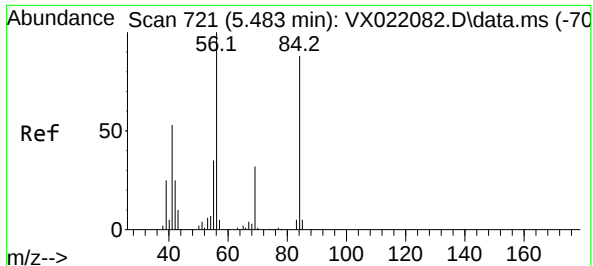
Lab File: VX022344.D

Acq: 02 Jun 2021 17:25

Tgt Ion: 83 Resp: 695

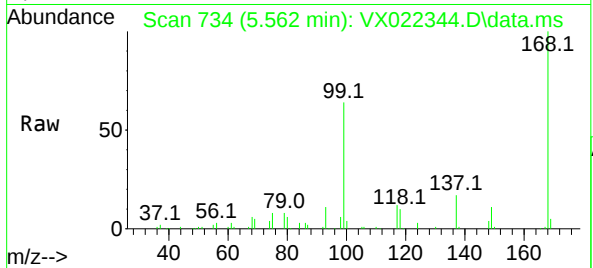
Ion	Ratio	Lower	Upper
83	100		
85	104.7	52.0	78.0#



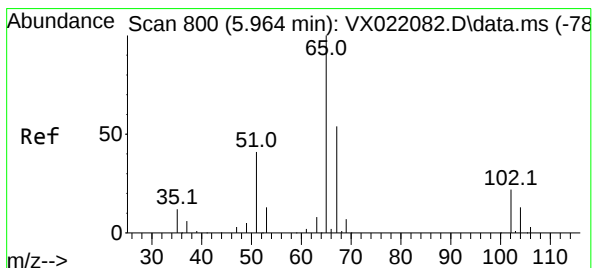
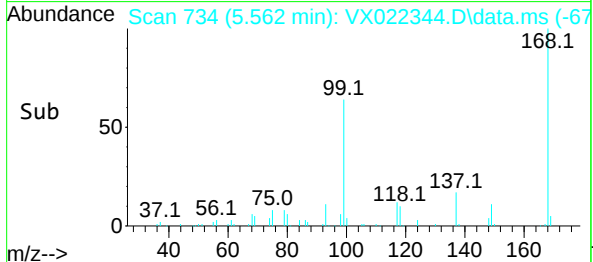
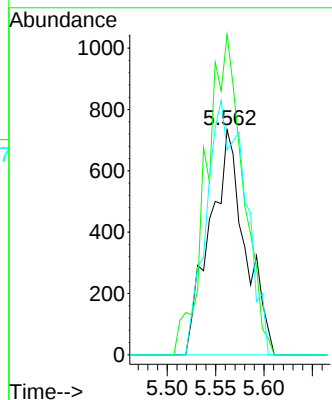


#31
Cyclohexane
Concen: 1.60 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Instrument :
MSVOA_X
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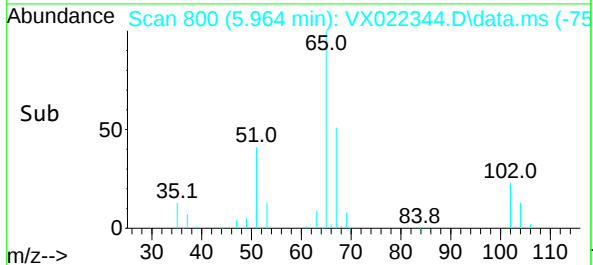
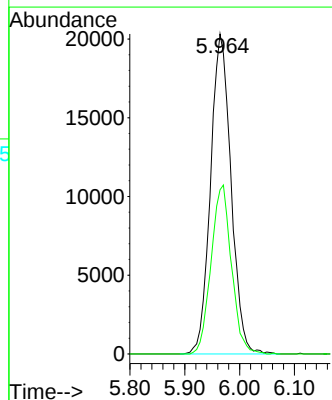
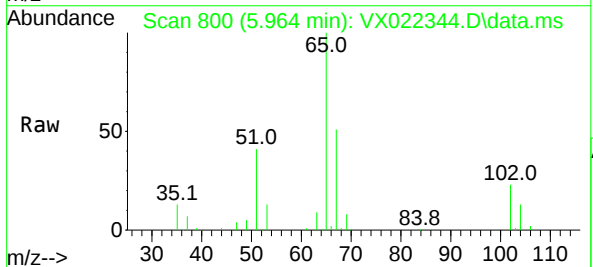


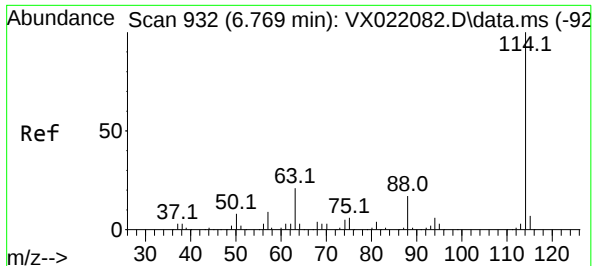
Tgt Ion: 56 Resp: 1864
Ion Ratio Lower Upper
56 100
69 142.2 25.3 37.9#
84 90.9 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 56.85 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 65 Resp: 52661
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.4

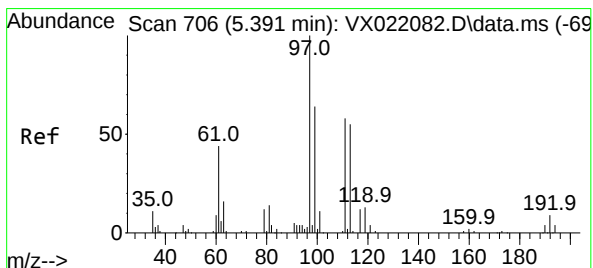
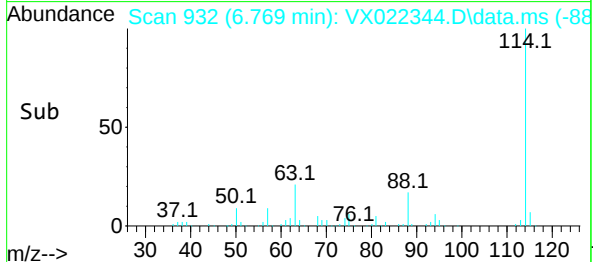
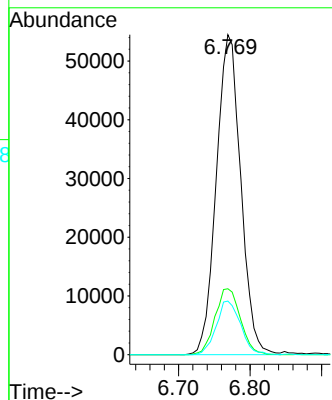
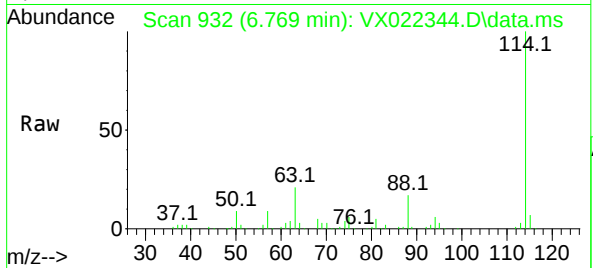




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

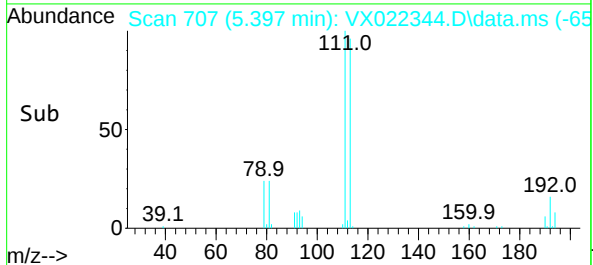
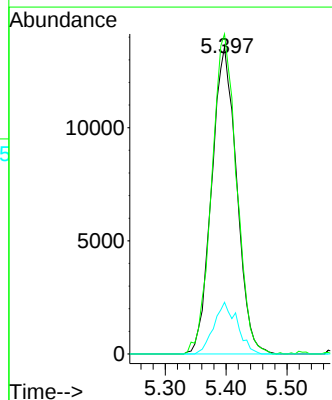
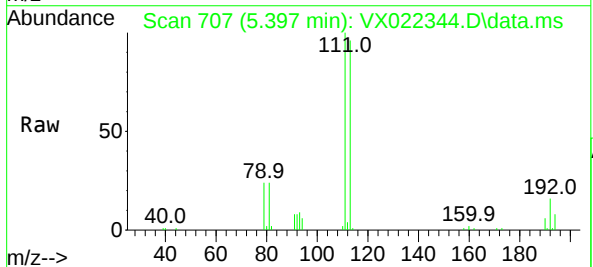
Instrument :
MSVOA_X
ClientSampleId :
22BR-20210528

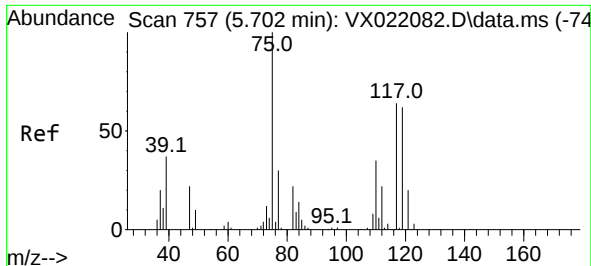
Tgt Ion:114 Resp: 129246
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 16.7 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.15 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion:113 Resp: 38645
Ion Ratio Lower Upper
113 100
111 103.8 81.9 122.9
192 15.8 16.7 25.1#

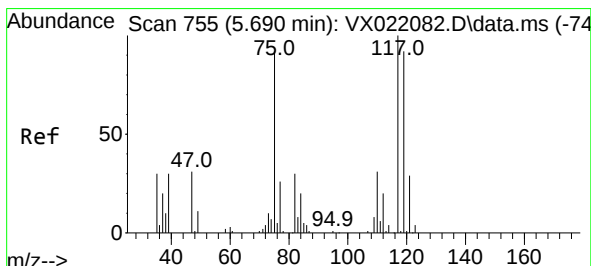
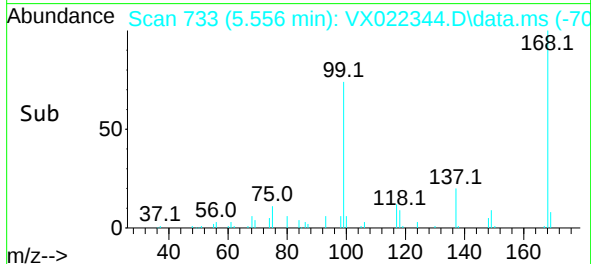
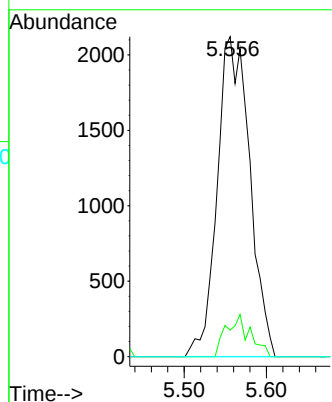
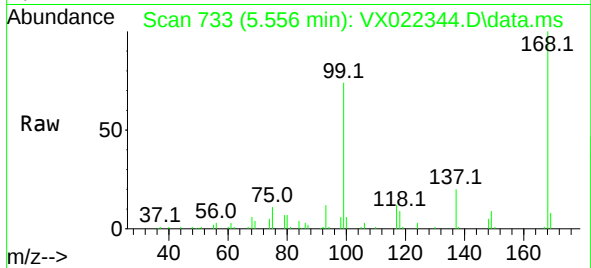




#36
1,1-Dichloropropene
Concen: 4.87 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

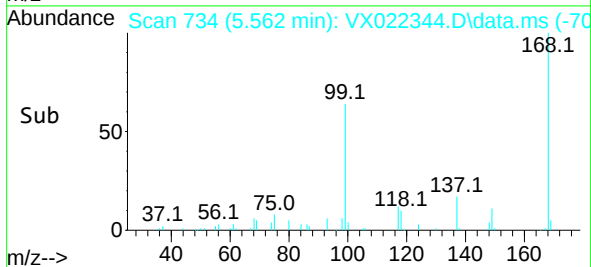
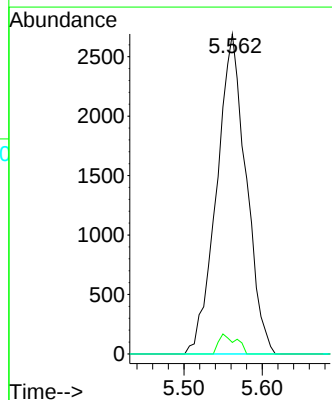
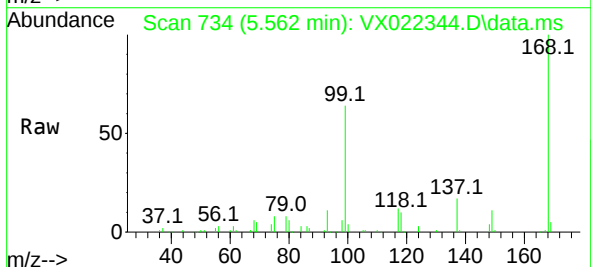
Instrument :
MSVOA_X
ClientSampleId :
22BR-20210528

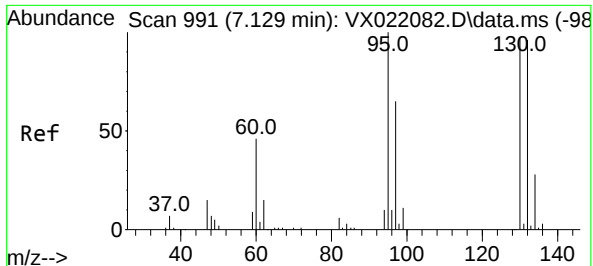
Tgt Ion: 75 Resp: 5821
Ion Ratio Lower Upper
75 100
110 9.6 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 6.01 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 117 Resp: 7027
Ion Ratio Lower Upper
117 100
119 3.6 76.2 114.2#
121 0.0 24.8 37.2#

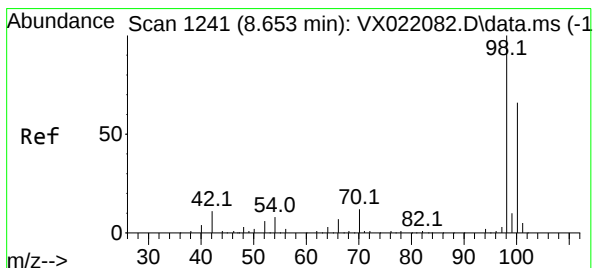
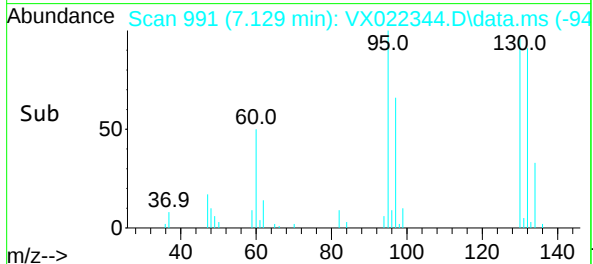
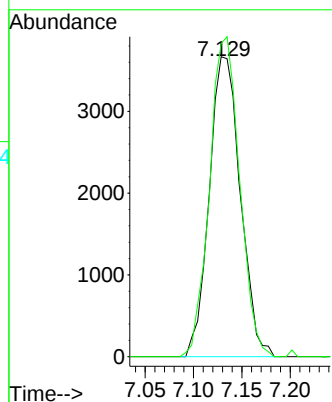
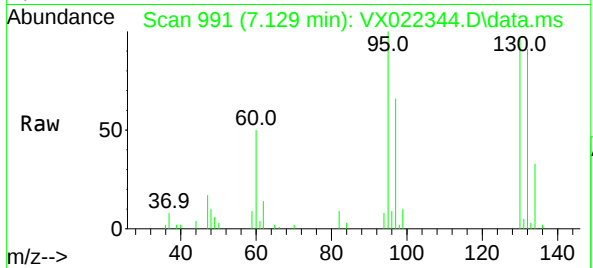




#44
Trichloroethene
Concen: 8.97 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

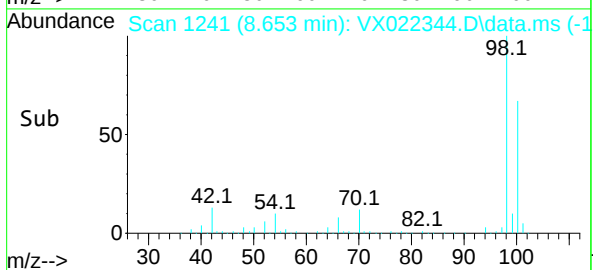
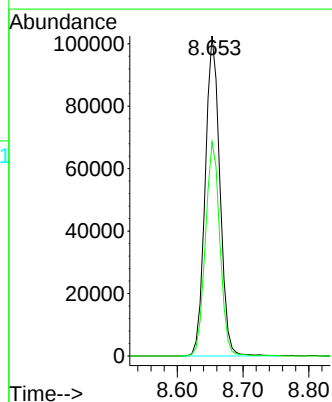
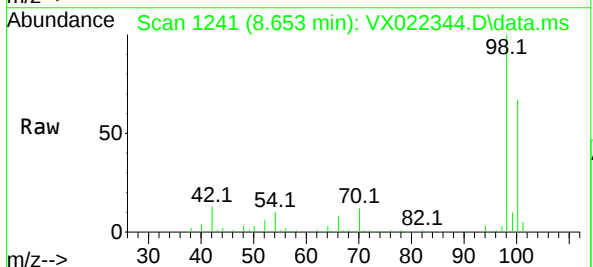
Instrument :
MSVOA_X
ClientSampleId :
22BR-20210528

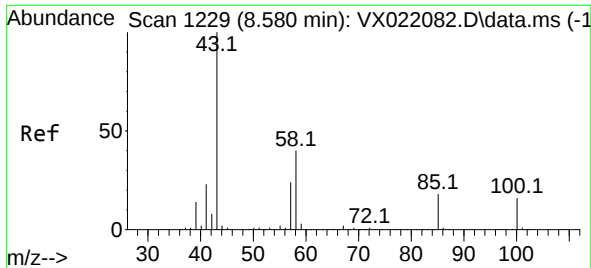
Tgt Ion:130 Resp: 8197
Ion Ratio Lower Upper
130 100
95 104.4 0.0 198.0



#50
Toluene-d8
Concen: 50.31 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 98 Resp: 158854
Ion Ratio Lower Upper
98 100
100 66.0 51.9 77.9

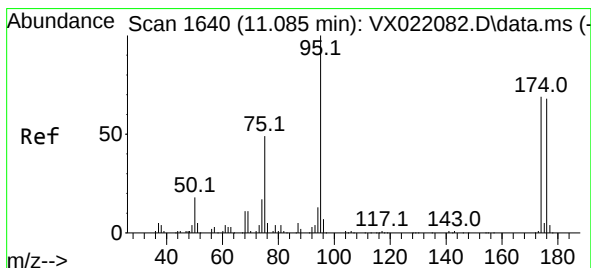
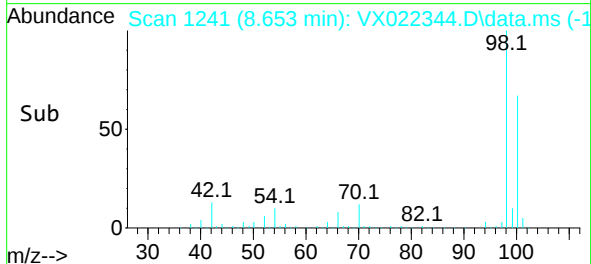
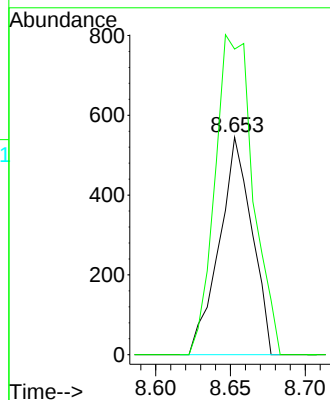
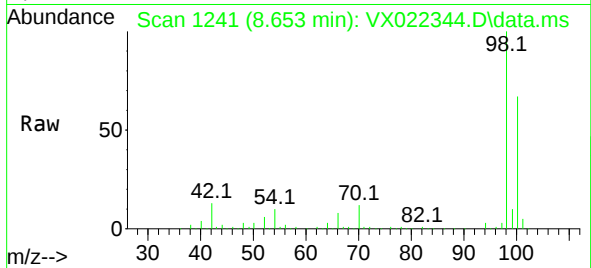




#51
4-Methyl-2-Pentanone
Concen: 0.58 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

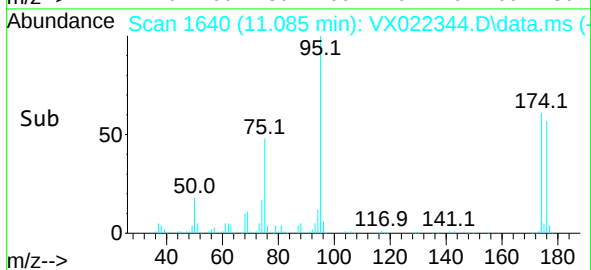
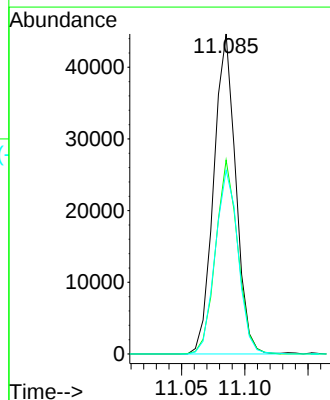
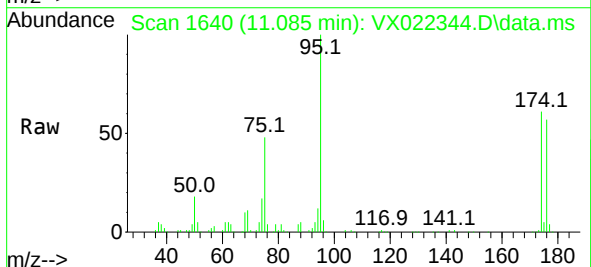
Instrument :
MSVOA_X
ClientSampleId :
22BR-20210528

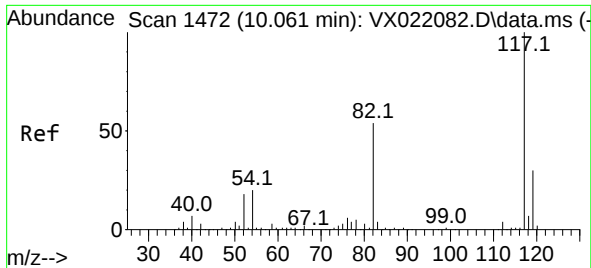
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 171.9 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 46.29 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 95 Resp: 54015
Ion Ratio Lower Upper
95 100
174 61.0 0.0 154.6
176 59.6 0.0 155.8

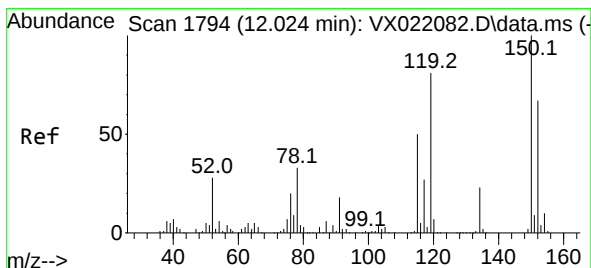
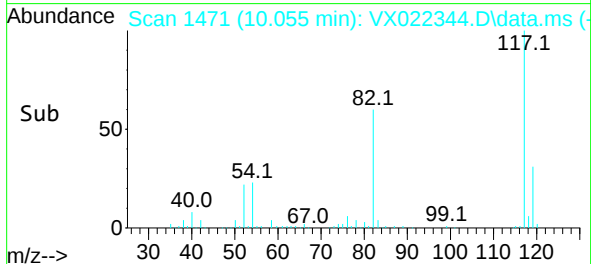
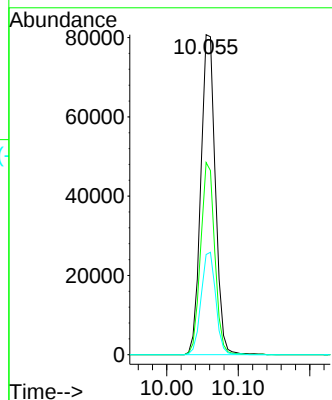
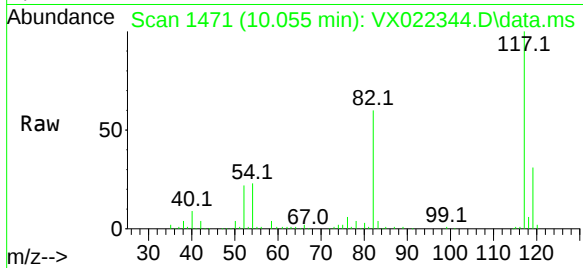




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

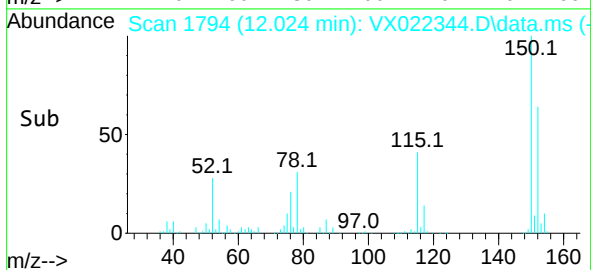
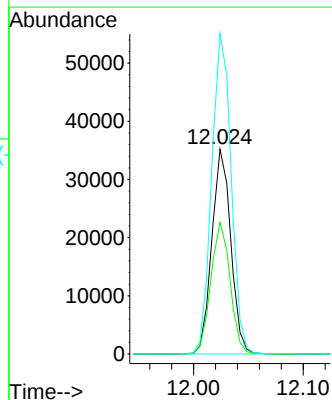
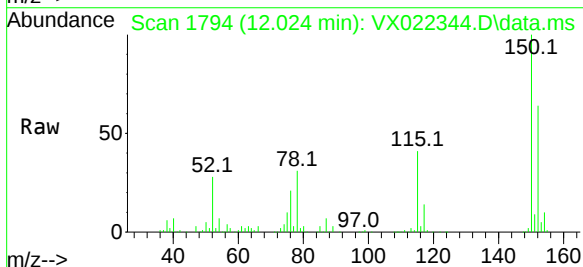
Instrument :
MSVOA_X
ClientSampleId :
22BR-20210528

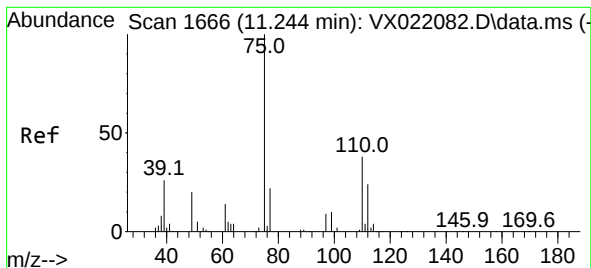
Tgt Ion:117 Resp: 113772
Ion Ratio Lower Upper
117 100
82 60.1 47.4 71.2
119 31.3 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion:152 Resp: 42288
Ion Ratio Lower Upper
152 100
115 65.3 41.1 123.3
150 161.0 0.0 349.0

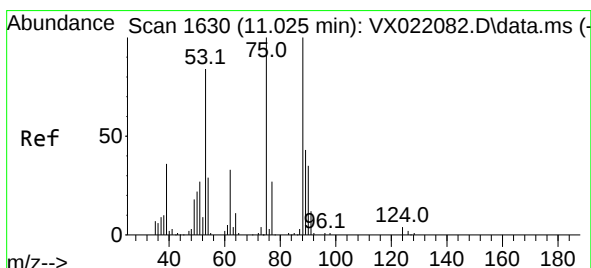
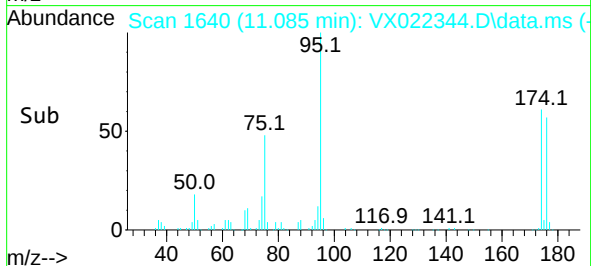
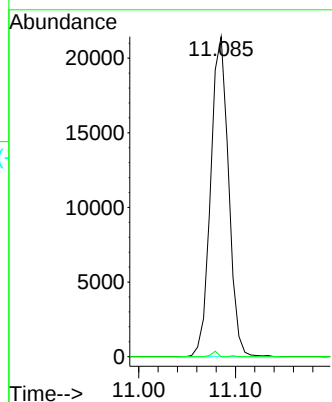
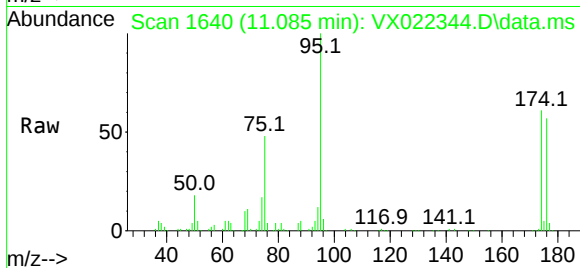




#76
1,2,3-Trichloropropane
Concen: 26.37 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Instrument :
MSVOA_X
ClientSampleId :
22BR-20210528

Tgt Ion: 75 Resp: 27511
Ion Ratio Lower Upper
75 100
77 0.6 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.48 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX022344.D
Acq: 02 Jun 2021 17:25

Tgt Ion: 75 Resp: 27511
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

