

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033858.D
 Acq On : 23 Jan 2023 18:39
 Operator : JC/MD
 Sample : 01255-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

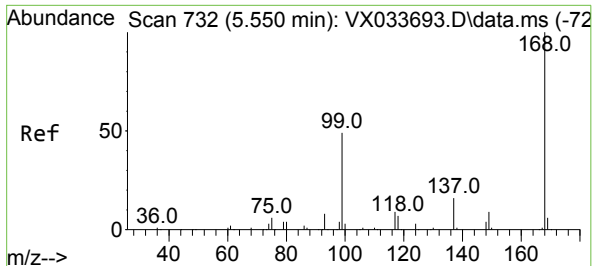
Instrument :
 MSVOA_X
 ClientSampleId :
 BORING-1

Quant Time: Jan 24 00:46:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	158890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	232550	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208809	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	97747	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78165	46.722	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	93.440%
35) Dibromofluoromethane	5.385	113	71635	49.608	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.220%
50) Toluene-d8	8.647	98	265746	50.510	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.020%
62) 4-Bromofluorobenzene	11.079	95	91348	46.763	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	93.520%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	1821	6.266	ug/l #	86
16) Acetone	2.392	43	13583	10.471	ug/l	96
17) Carbon Disulfide	2.508	76	47	1.836	ug/l #	76
18) Methyl Acetate	2.703	43	2148	0.920	ug/l #	87
20) Methylene Chloride	2.794	84	7183	2.561	ug/l	97
25) 2-Butanone	4.581	43	1280	1.171	ug/l	96
31) Cyclohexane	5.550	56	2420	0.983	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	9169	4.351	ug/l #	48
37) Ethyl Acetate	4.715	43	20271	7.660	ug/l	98
38) Carbon Tetrachloride	5.556	117	13286	6.087	ug/l #	15
43) Isopropyl Acetate	6.336	43	90516	27.206	ug/l	99
48) Methyl methacrylate	7.793	41	75221	44.883	ug/l #	44
49) 1,4-Dioxane	7.799	88	101	2.724	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66505	32.548	ug/l #	50
53) t-1,3-Dichloropropene	8.958	75	610	0.294	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32799	14.131	ug/l #	60
56) Ethyl methacrylate	9.244	69	526	0.238	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4102	1.611	ug/l #	43
59) 2-Hexanone	9.378	43	86062	60.515	ug/l #	24
73) Isopropylbenzene	11.079	105	97	Below Cal	#	48
74) N-amyl acetate	10.640	43	19217	7.487	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	42452	23.638	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	42452	73.463	ug/l #	8

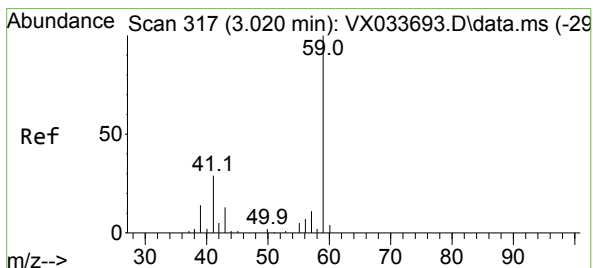
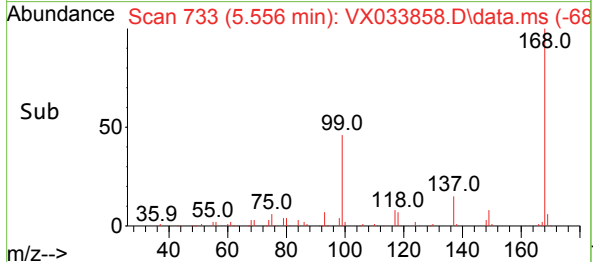
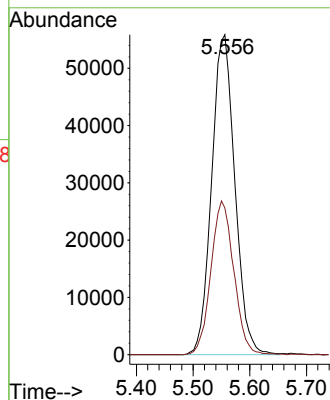
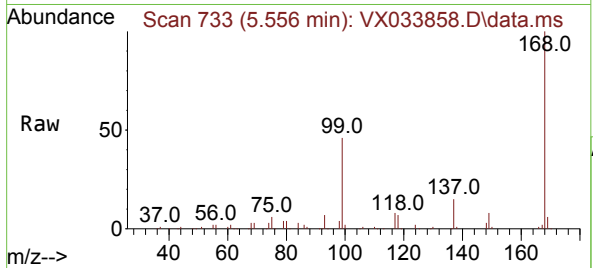
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

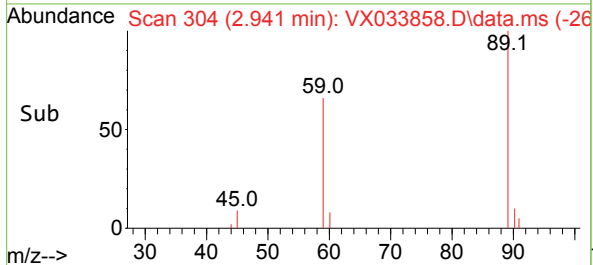
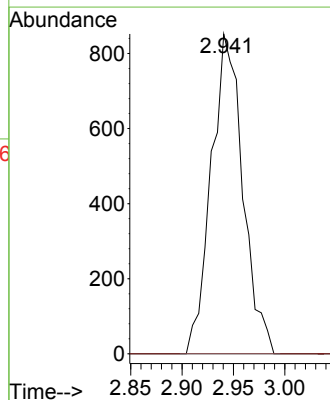
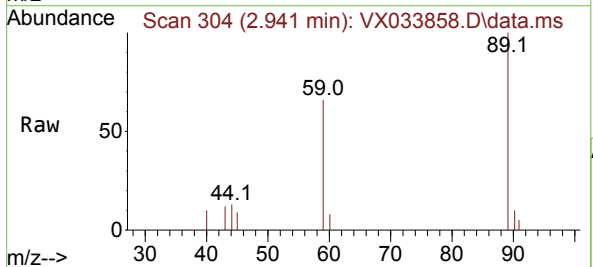
Instrument :
MSVOA_X
ClientSampleId :
BORING-1

Tgt Ion:168 Resp: 158890
Ion Ratio Lower Upper
168 100
99 45.9 39.6 59.4



#11
Tert butyl alcohol
Concen: 6.266 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.079 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 59 Resp: 1821
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

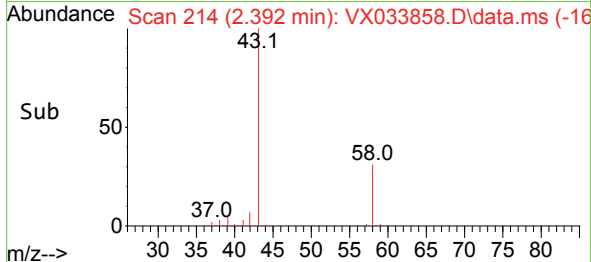
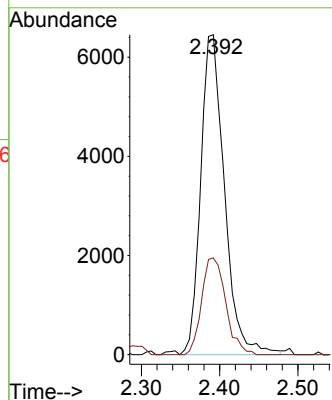
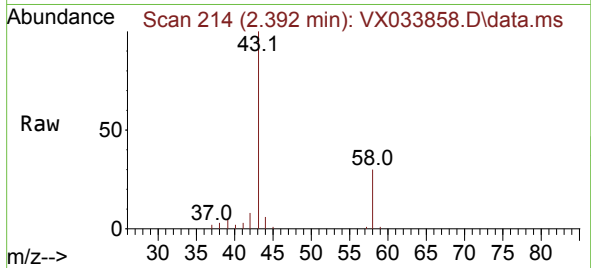




#16
Acetone
Concen: 10.471 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

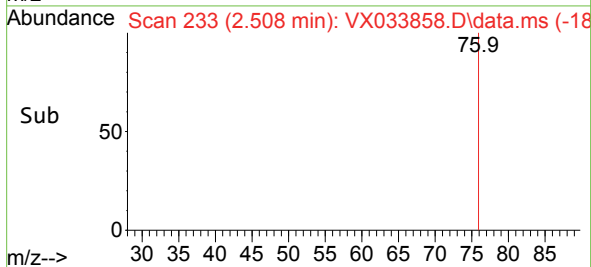
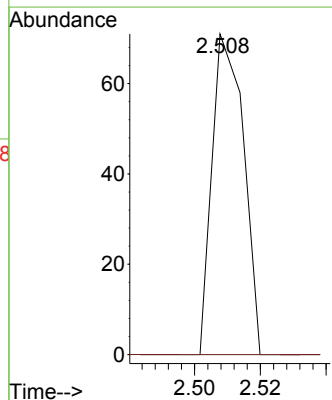
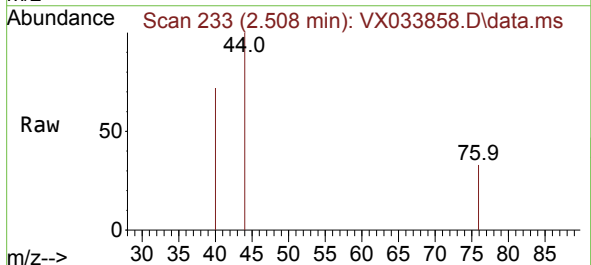
Instrument :
MSVOA_X
ClientSampleId :
BORING-1

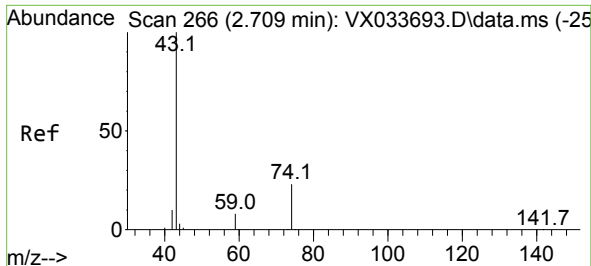
Tgt Ion: 43 Resp: 13583
Ion Ratio Lower Upper
43 100
58 30.3 22.6 33.8



#17
Carbon Disulfide
Concen: 1.836 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 76 Resp: 47
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#





#18

Methyl Acetate

Concen: 0.920 ug/l

RT: 2.703 min Scan# 2

Delta R.T. -0.006 min

Lab File: VX033858.D

Acq: 23 Jan 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

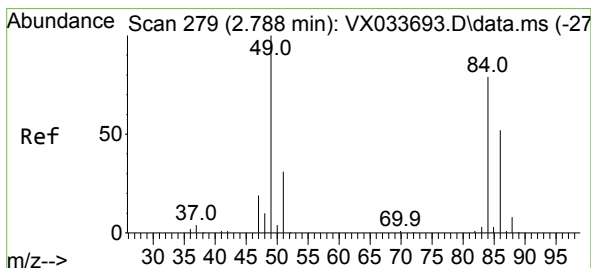
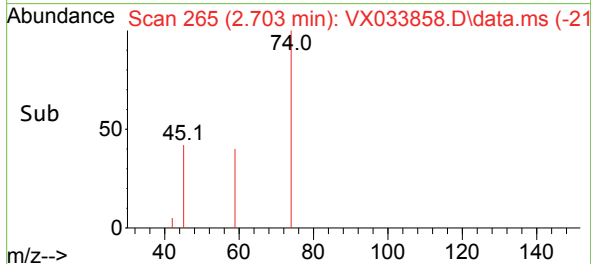
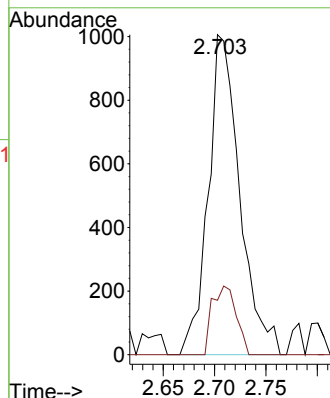
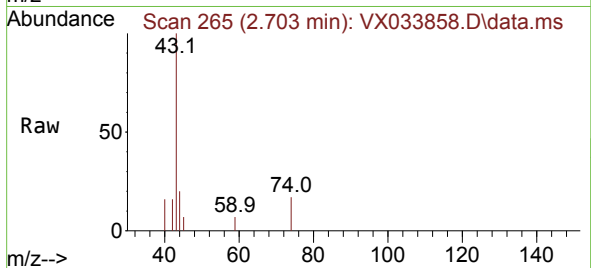
BORING-1

Tgt Ion: 43 Resp: 2148

Ion Ratio Lower Upper

43 100

74 16.3 18.2 27.4#



#20

Methylene Chloride

Concen: 2.561 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX033858.D

Acq: 23 Jan 2023 18:39

Tgt Ion: 84 Resp: 7183

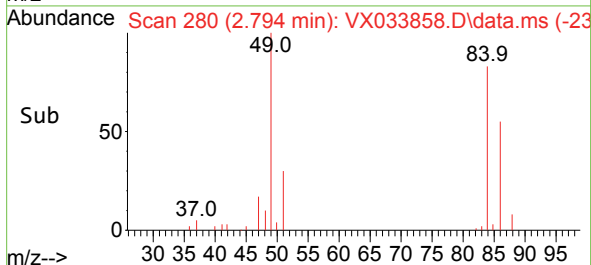
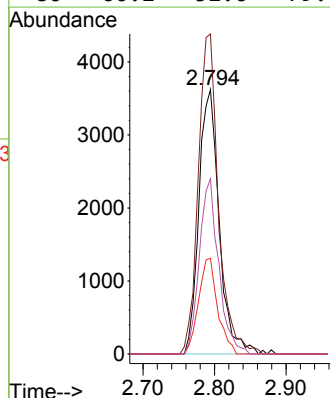
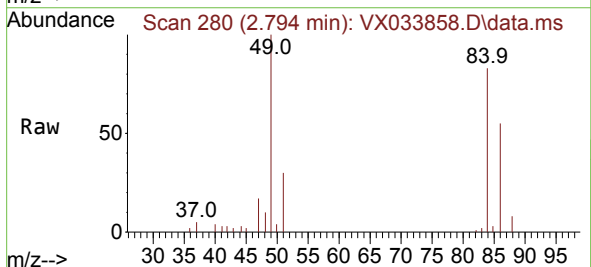
Ion Ratio Lower Upper

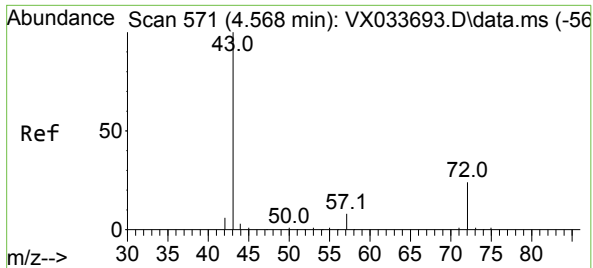
84 100

49 121.0 101.1 151.7

51 36.2 31.0 46.6

86 66.2 52.6 79.0

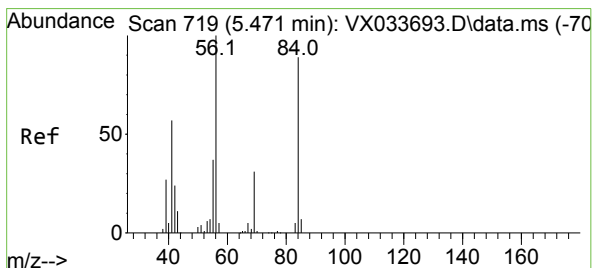
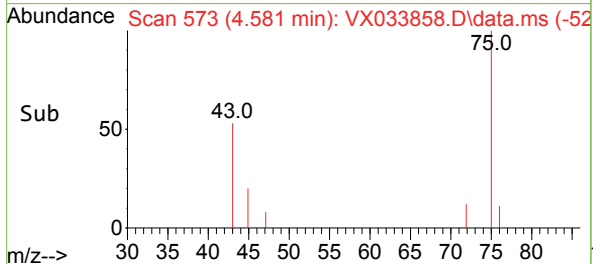
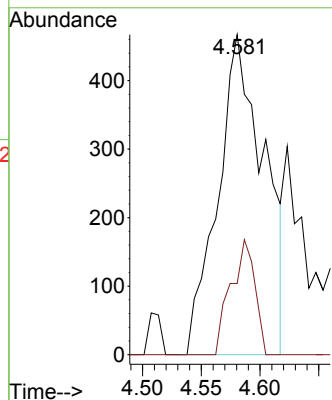
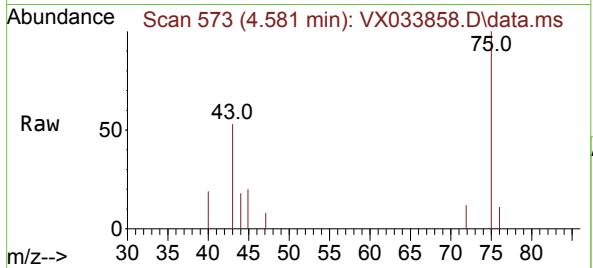




#25
2-Butanone
Concen: 1.171 ug/l
RT: 4.581 min Scan# 51
Delta R.T. 0.012 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

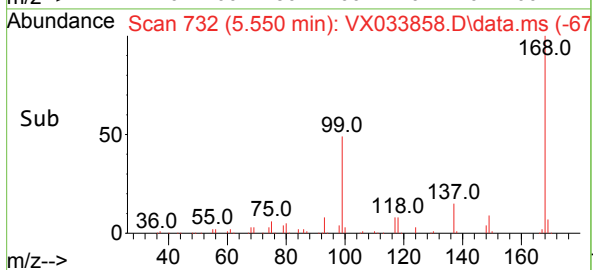
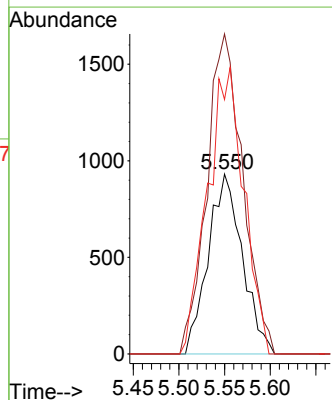
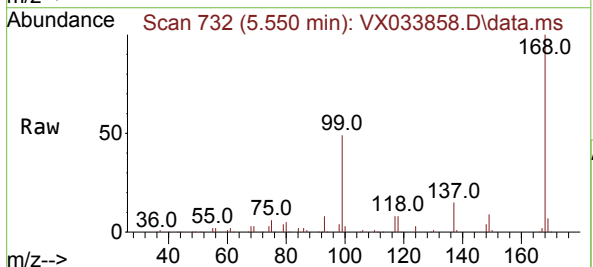
Instrument :
MSVOA_X
ClientSampleId :
BORING-1

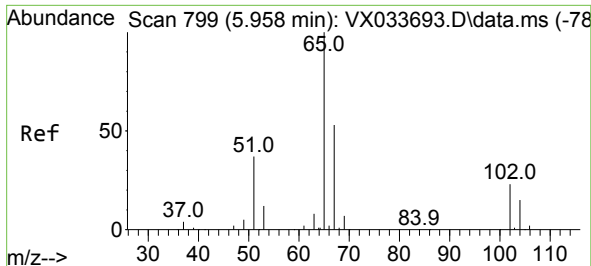
Tgt Ion: 43 Resp: 1280
Ion Ratio Lower Upper
43 100
72 22.3 19.4 29.2



#31
Cyclohexane
Concen: 0.983 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.079 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 56 Resp: 2420
Ion Ratio Lower Upper
56 100
69 178.0 24.6 37.0#
84 141.5 71.0 106.6#





#33

1,2-Dichloroethane-d4

Concen: 46.722 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX033858.D

Acq: 23 Jan 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

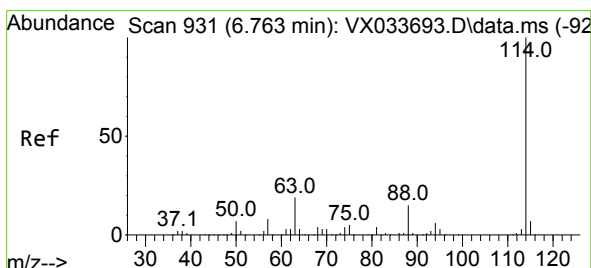
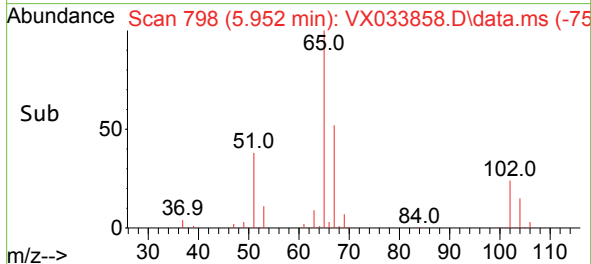
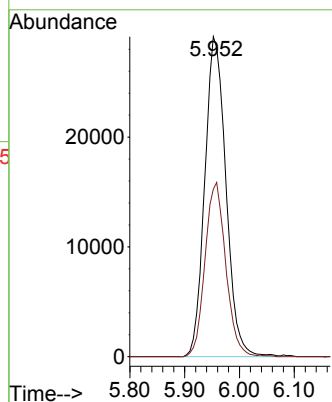
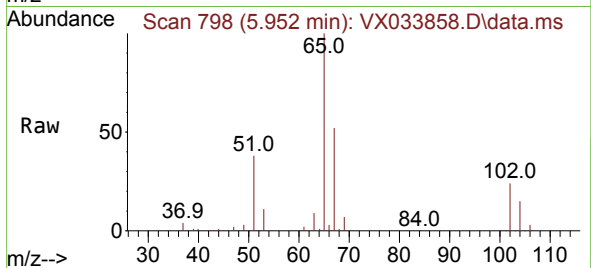
BORING-1

Tgt Ion: 65 Resp: 78165

Ion Ratio Lower Upper

65 100

67 53.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX033858.D

Acq: 23 Jan 2023 18:39

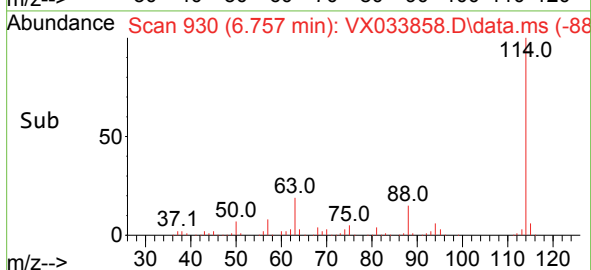
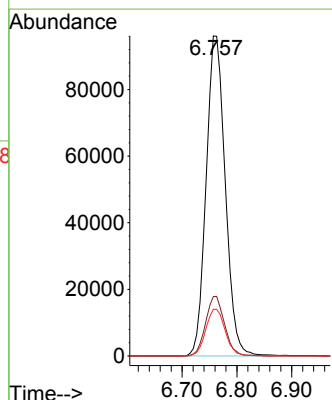
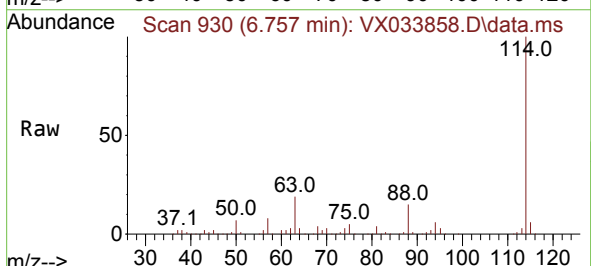
Tgt Ion:114 Resp: 232550

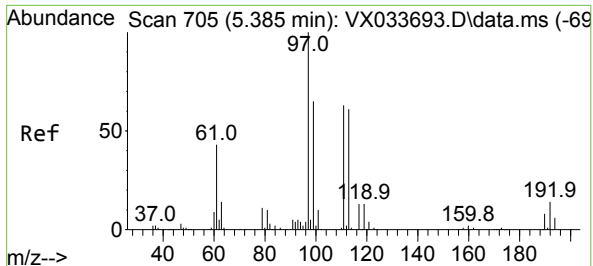
Ion Ratio Lower Upper

114 100

63 18.6 0.0 37.4

88 14.6 0.0 30.6

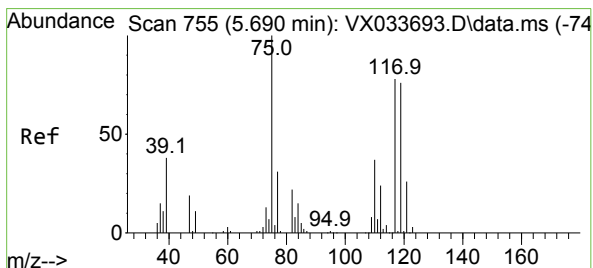
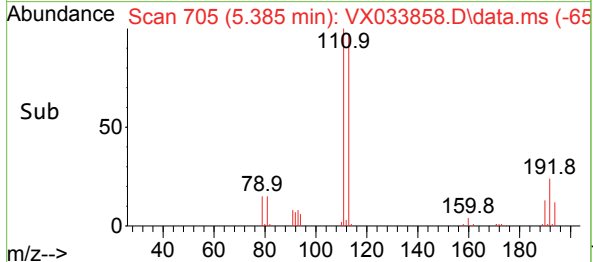
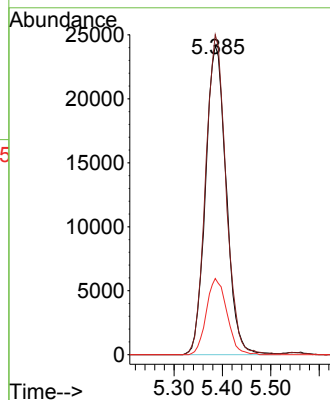
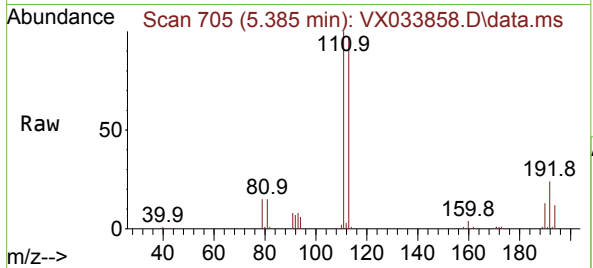




#35
Dibromofluoromethane
Concen: 49.608 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

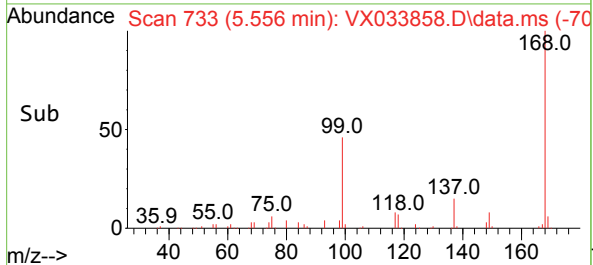
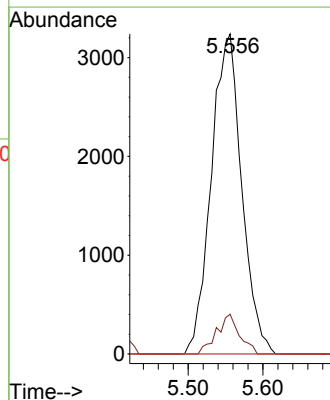
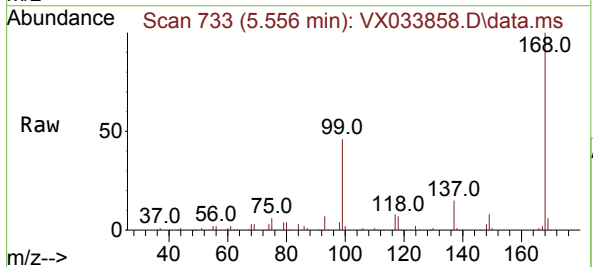
Instrument :
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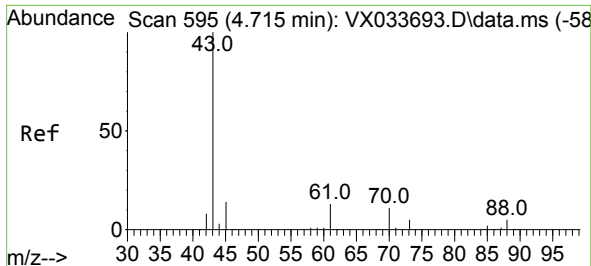
Tgt Ion:113 Resp: 71635
Ion Ratio Lower Upper
113 100
111 101.9 83.0 124.6
192 24.6 19.0 28.4



#36
1,1-Dichloropropene
Concen: 4.351 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 75 Resp: 9169
Ion Ratio Lower Upper
75 100
110 9.3 18.8 56.4#
77 0.0 25.1 37.7#





#37

Ethyl Acetate

Concen: 7.660 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX033858.D

Acq: 23 Jan 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

BORING-1

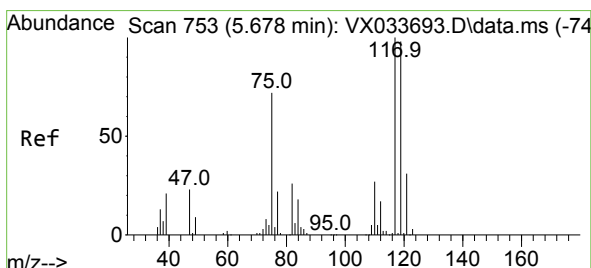
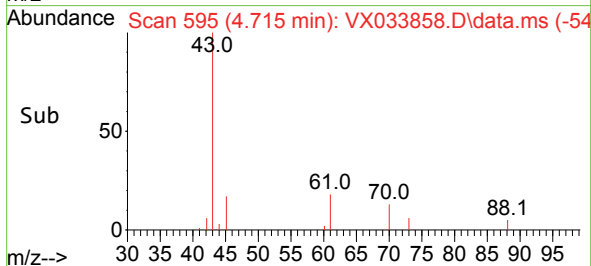
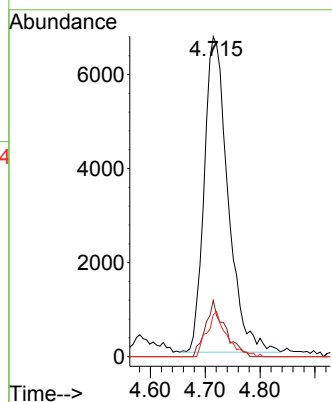
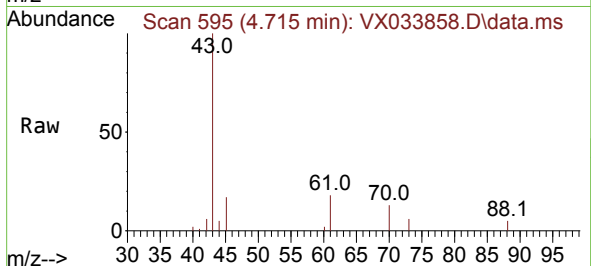
Tgt Ion: 43 Resp: 20271

Ion Ratio Lower Upper

43 100

61 14.5 11.1 16.7

70 12.0 8.5 12.7



#38

Carbon Tetrachloride

Concen: 6.087 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX033858.D

Acq: 23 Jan 2023 18:39

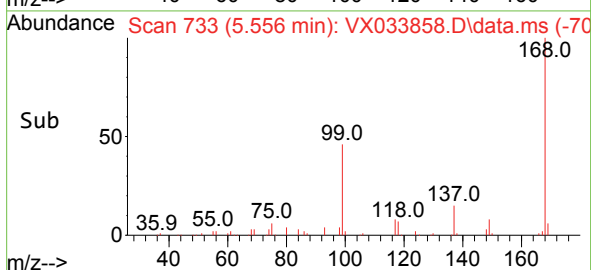
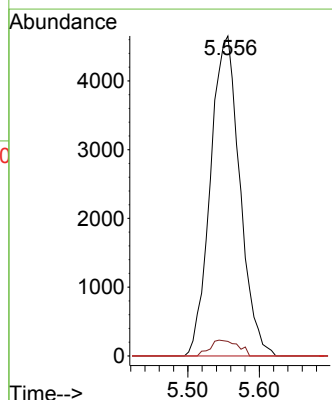
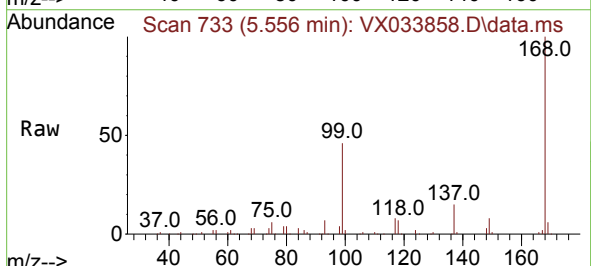
Tgt Ion: 117 Resp: 13286

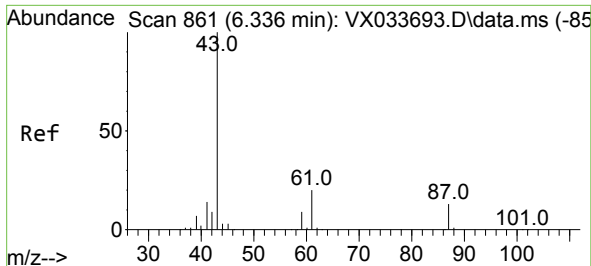
Ion Ratio Lower Upper

117 100

119 4.6 78.0 117.0#

121 0.0 24.4 36.6#

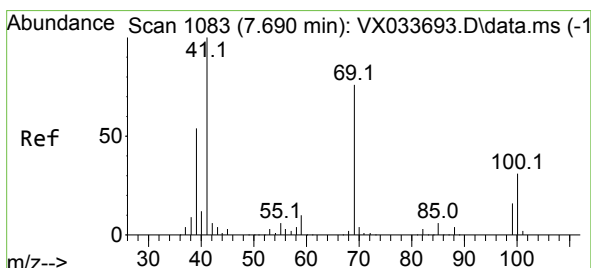
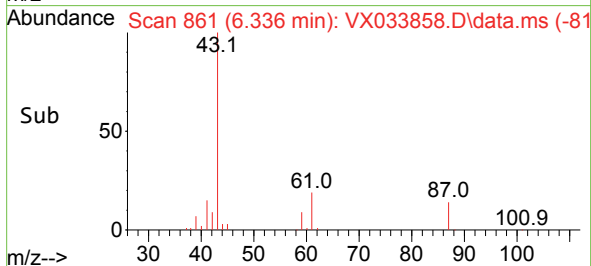
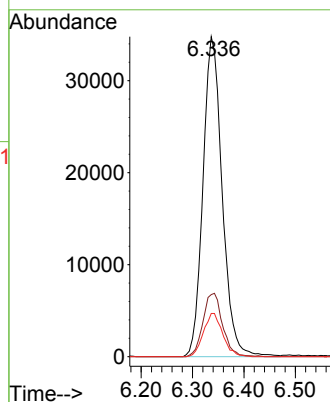
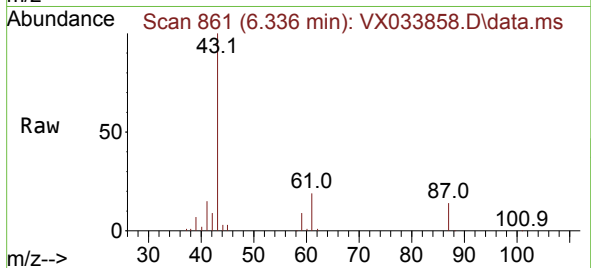




#43
Isopropyl Acetate
Concen: 27.206 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.000 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

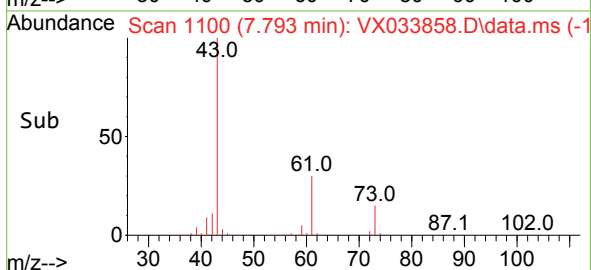
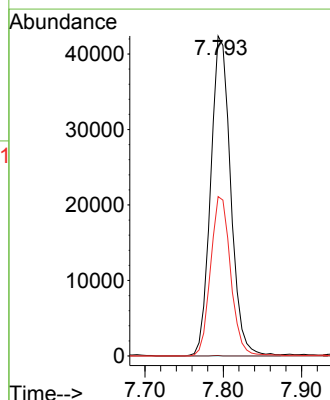
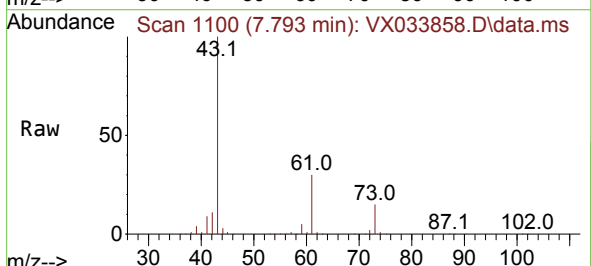
Instrument :
MSVOA_X
ClientSampleId :
BORING-1

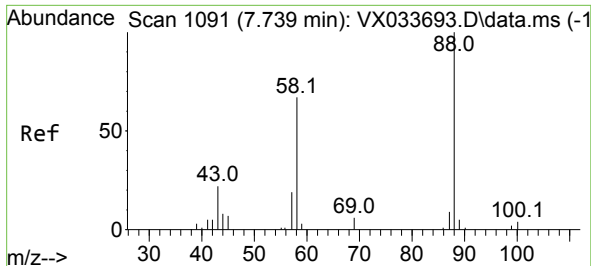
Tgt Ion: 43 Resp: 90516
Ion Ratio Lower Upper
43 100
61 20.2 15.7 23.5
87 13.5 10.6 15.8



#48
Methyl methacrylate
Concen: 44.883 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 41 Resp: 75221
Ion Ratio Lower Upper
41 100
69 0.1 63.1 94.7#
39 50.0 43.2 64.8

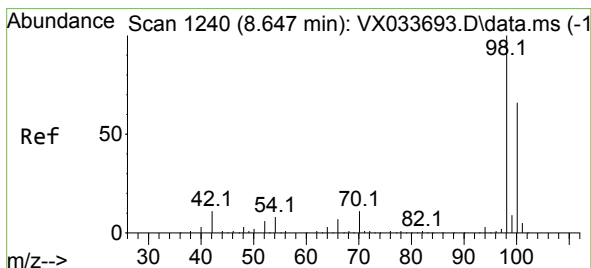
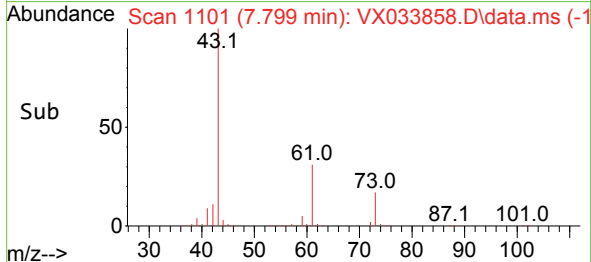
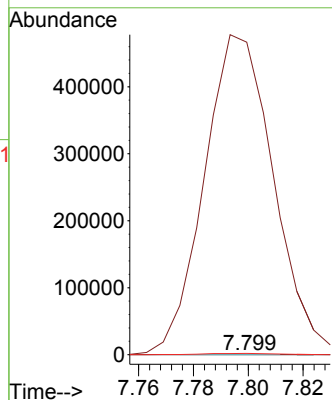
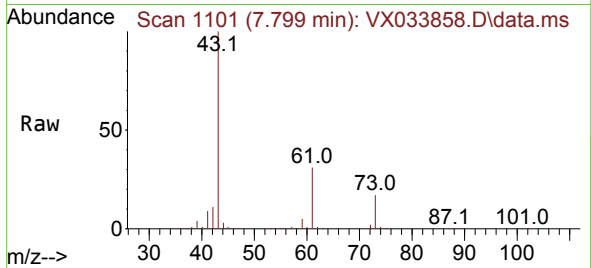




#49
1,4-Dioxane
Concen: 2.724 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.061 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

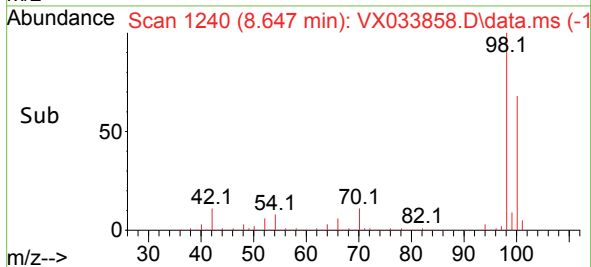
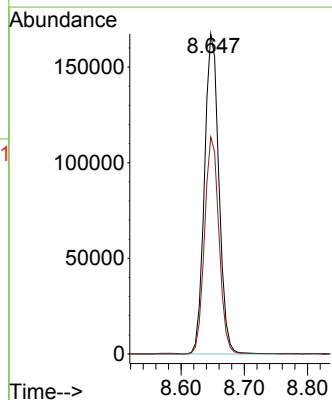
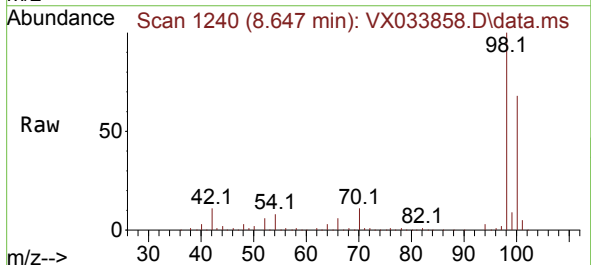
Instrument :
MSVOA_X
ClientSampleId :
BORING-1

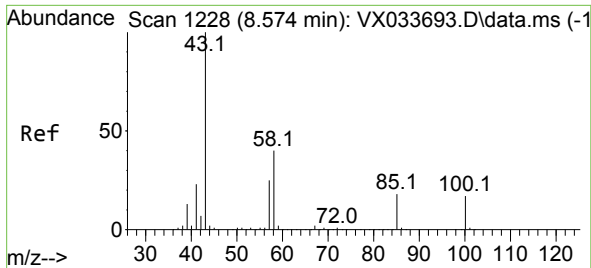
Tgt Ion: 88 Resp: 101
Ion Ratio Lower Upper
88 100
43 841339.6 0.0 0.0#
58 3642.6 56.5 84.7#



#50
Toluene-d8
Concen: 50.510 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 98 Resp: 265746
Ion Ratio Lower Upper
98 100
100 67.9 53.6 80.4

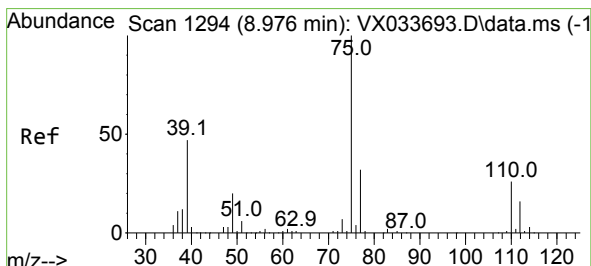
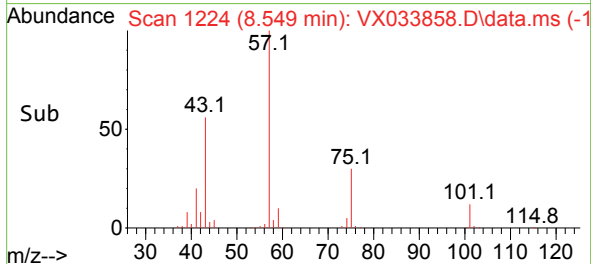
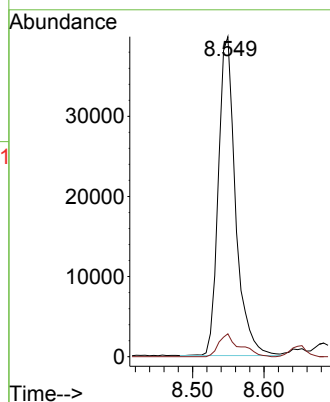
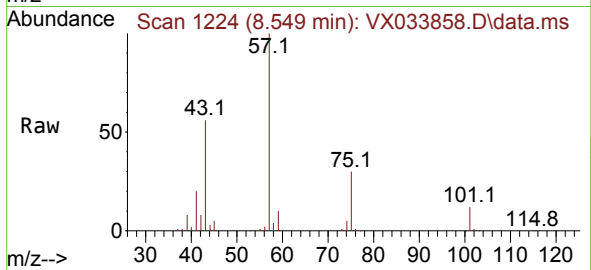




#51
4-Methyl-2-Pentanone
Concen: 32.548 ug/l
RT: 8.549 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

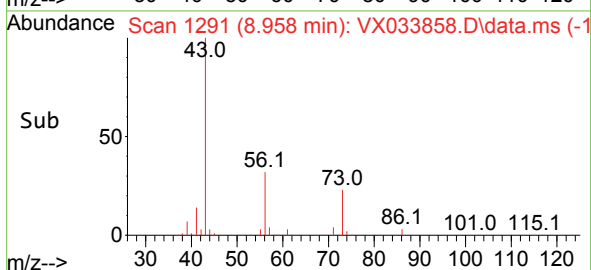
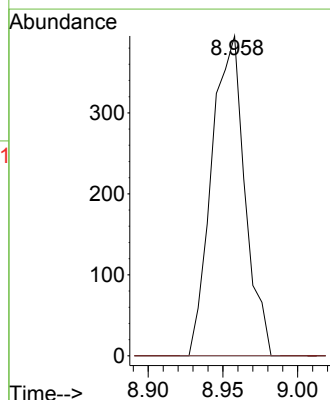
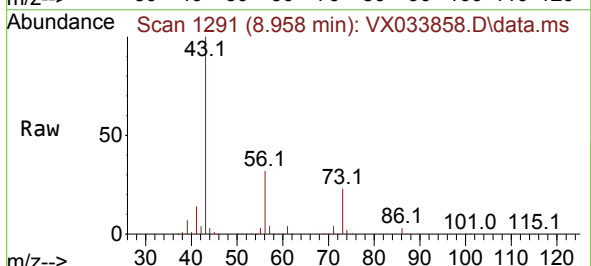
Instrument :
MSVOA_X
ClientSampleId :
BORING-1

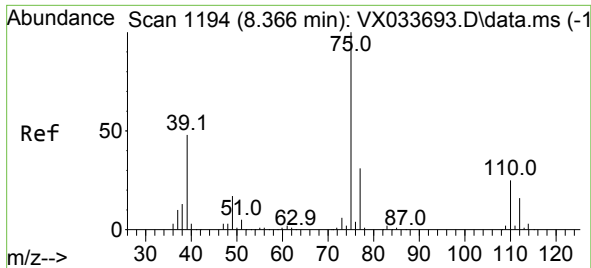
Tgt Ion: 43 Resp: 66505
Ion Ratio Lower Upper
43 100
58 8.7 31.2 46.8#



#53
t-1,3-Dichloropropene
Concen: 0.294 ug/l
RT: 8.958 min Scan# 1291
Delta R.T. -0.018 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 75 Resp: 610
Ion Ratio Lower Upper
75 100
77 0.0 25.5 38.3#

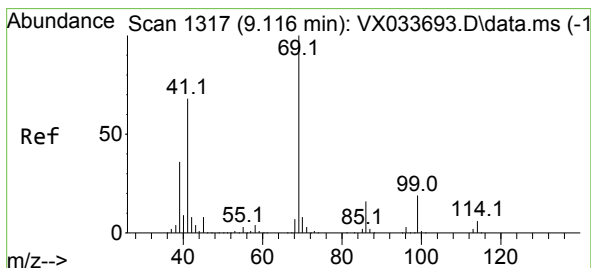
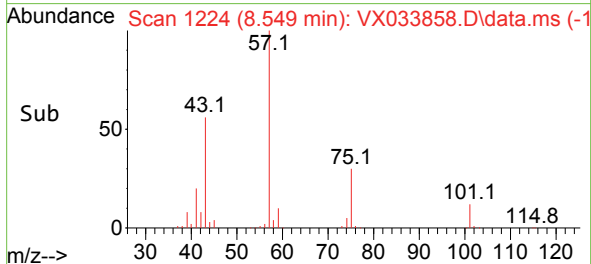
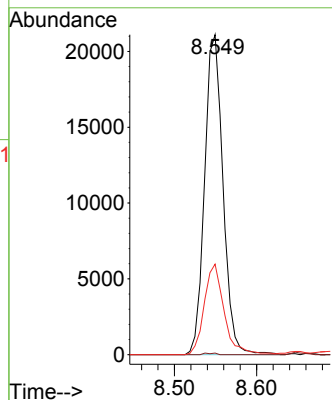
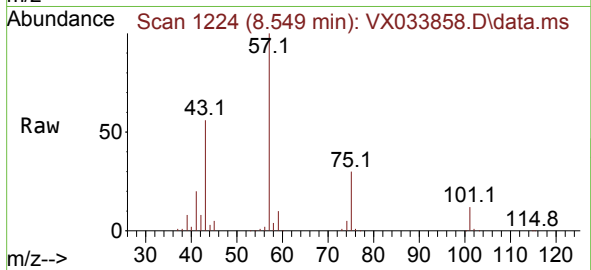




#54
 cis-1,3-Dichloropropene
 Concen: 14.131 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX033858.D
 Acq: 23 Jan 2023 18:39

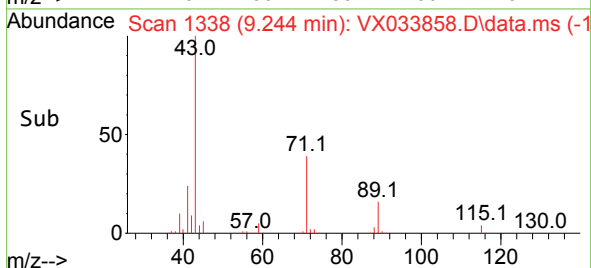
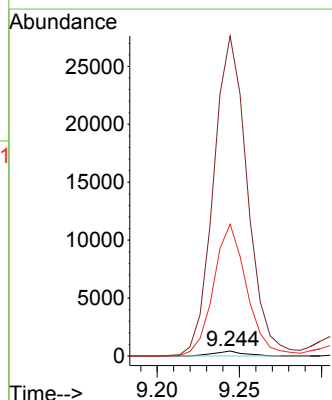
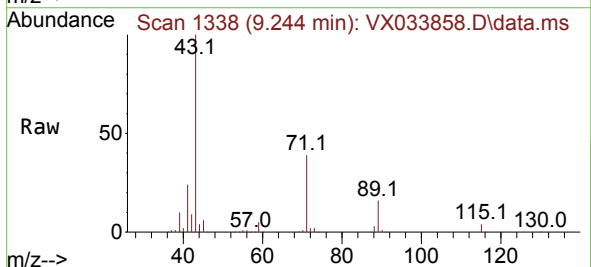
Instrument :
 MSVOA_X
 ClientSampleId :
 BORING-1

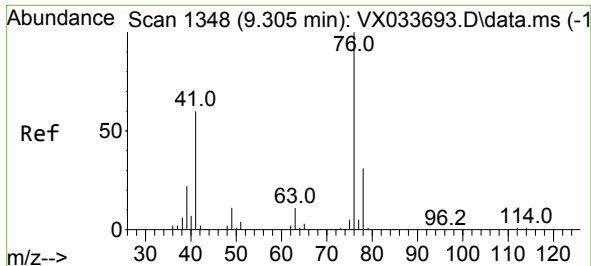
Tgt Ion: 75 Resp: 32799
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.0 37.6#
 39 28.3 38.6 58.0#



#56
 Ethyl methacrylate
 Concen: 0.238 ug/l
 RT: 9.244 min Scan# 1338
 Delta R.T. 0.128 min
 Lab File: VX033858.D
 Acq: 23 Jan 2023 18:39

Tgt Ion: 69 Resp: 526
 Ion Ratio Lower Upper
 69 100
 41 7563.3 55.1 82.7#
 39 3053.8 28.5 42.7#





#57

1,3-Dichloropropane

Concen: 1.611 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.177 min

Lab File: VX033858.D

Acq: 23 Jan 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

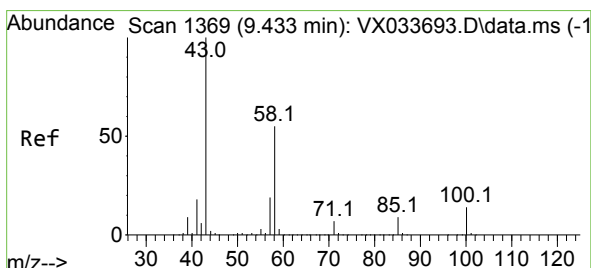
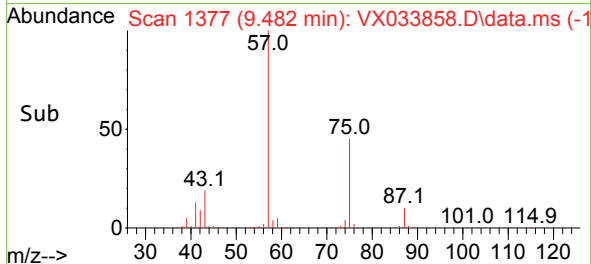
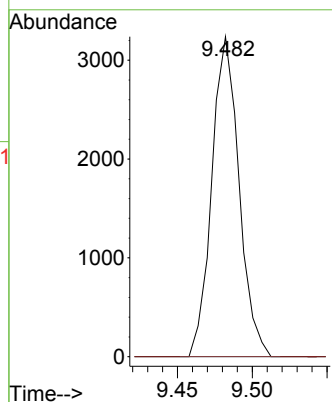
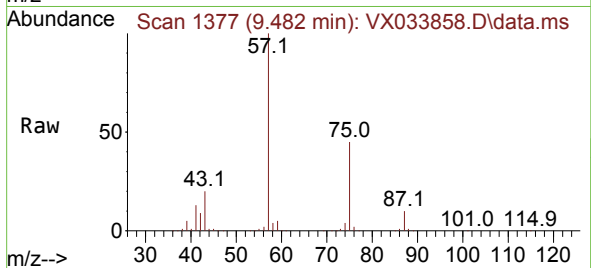
BORING-1

Tgt Ion: 76 Resp: 4102

Ion Ratio Lower Upper

76 100

78 0.0 25.6 38.4#



#59

2-Hexanone

Concen: 60.515 ug/l

RT: 9.378 min Scan# 1360

Delta R.T. -0.055 min

Lab File: VX033858.D

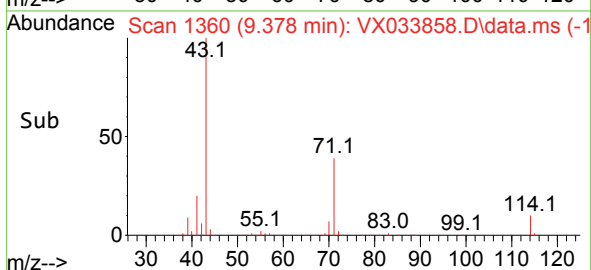
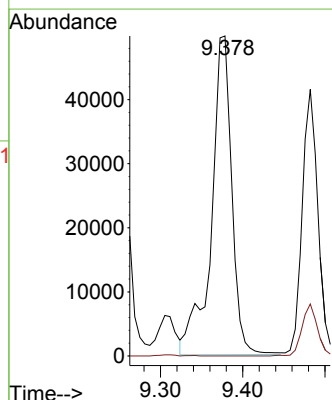
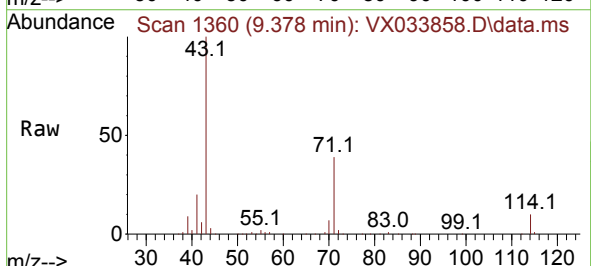
Acq: 23 Jan 2023 18:39

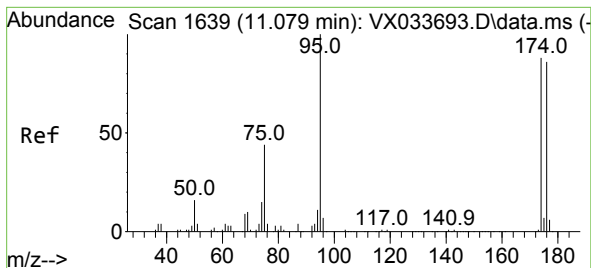
Tgt Ion: 43 Resp: 86062

Ion Ratio Lower Upper

43 100

58 0.0 27.4 82.0#

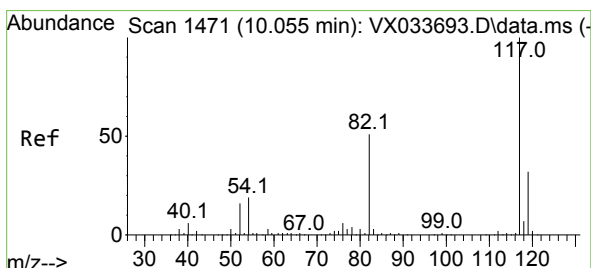
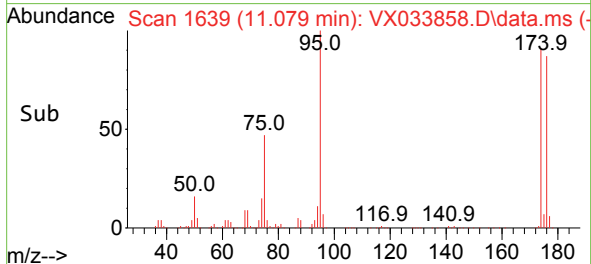
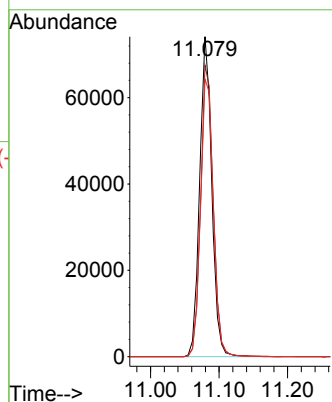
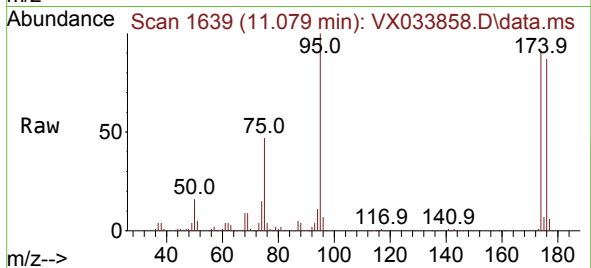




#62
4-Bromofluorobenzene
Concen: 46.763 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

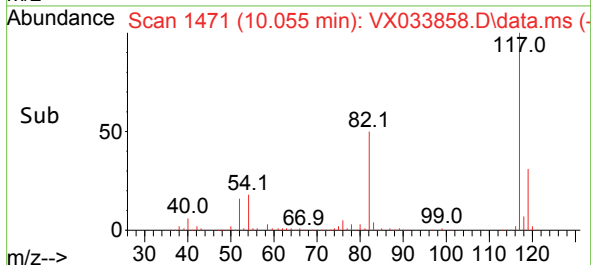
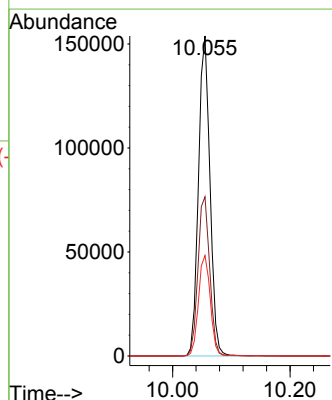
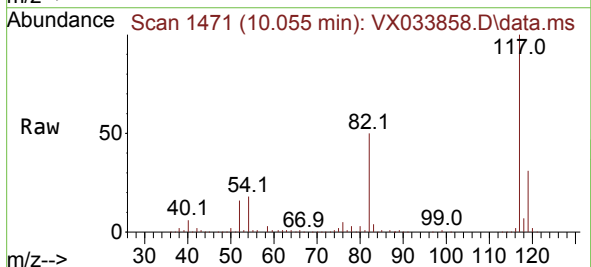
Instrument :
MSVOA_X
ClientSampleId :
BORING-1

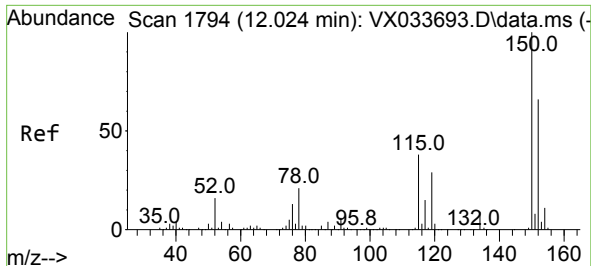
Tgt Ion: 95 Resp: 91348
Ion Ratio Lower Upper
95 100
174 94.5 0.0 184.4
176 91.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion: 117 Resp: 208809
Ion Ratio Lower Upper
117 100
82 49.7 40.6 60.8
119 31.4 25.6 38.4

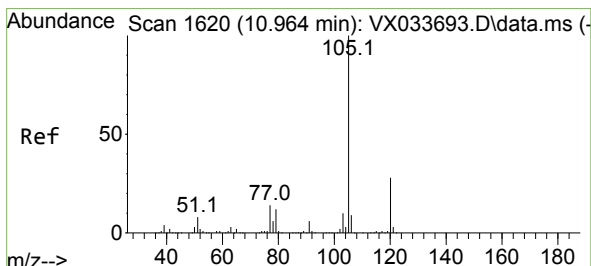
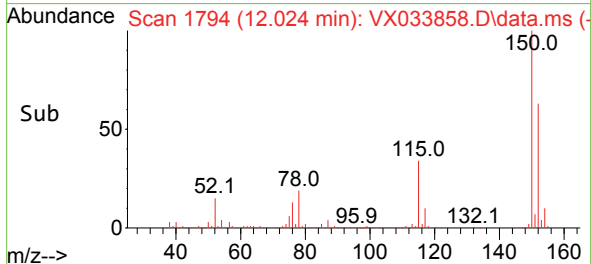
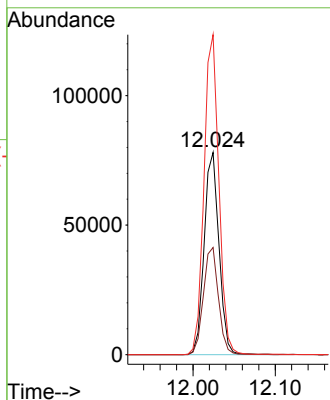
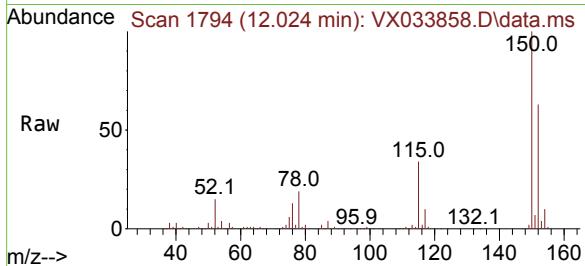




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

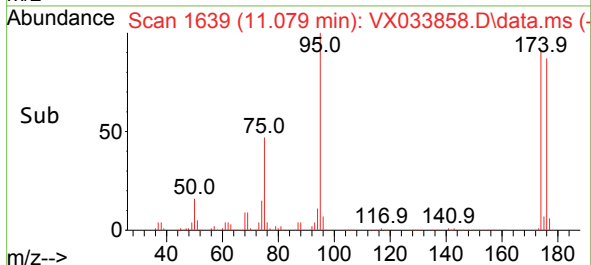
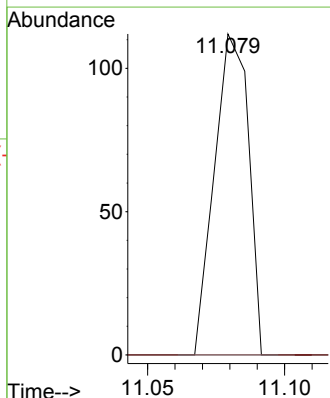
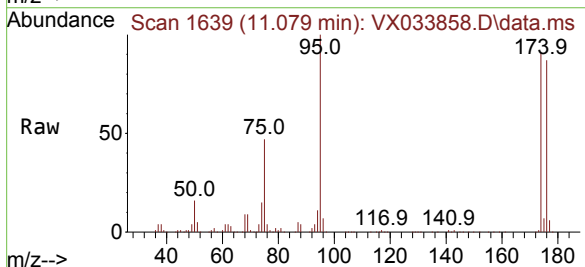
Instrument :
MSVOA_X
ClientSampleId :
BORING-1

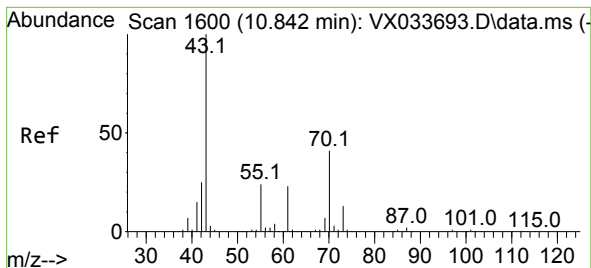
Tgt Ion:152 Resp: 97747
Ion Ratio Lower Upper
152 100
115 53.9 38.7 116.1
150 158.8 0.0 348.2



#73
Isopropylbenzene
Concen: Below Cal
RT: 11.079 min Scan# 1639
Delta R.T. 0.115 min
Lab File: VX033858.D
Acq: 23 Jan 2023 18:39

Tgt Ion:105 Resp: 97
Ion Ratio Lower Upper
105 100
120 0.0 13.6 40.8#





#74

N-amy1 acetate

Concen: 7.487 ug/l

RT: 10.640 min Scan# 1

Delta R.T. -0.201 min

Lab File: VX033858.D

Acq: 23 Jan 2023 18:39

Instrument :

MSVOA_X

ClientSampleId :

BORING-1

Tgt Ion: 43 Resp: 19217

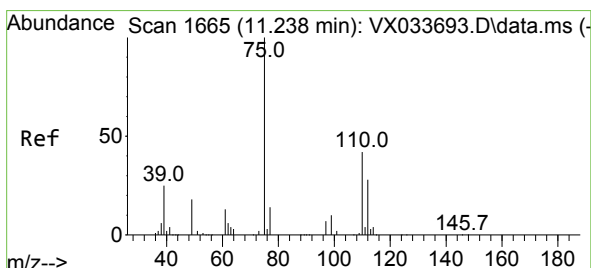
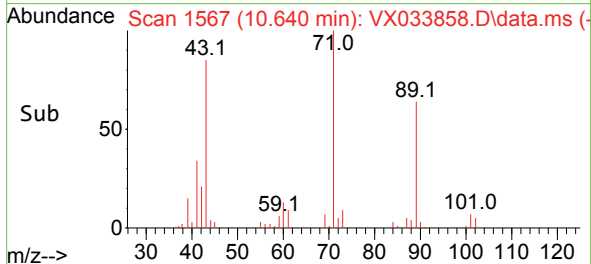
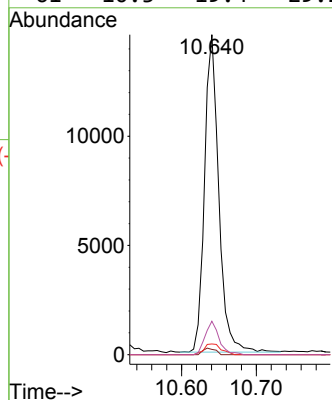
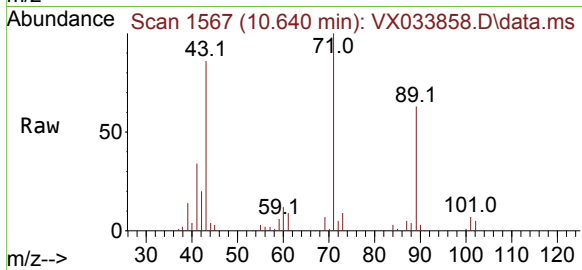
Ion Ratio Lower Upper

43 100

70 1.8 34.8 52.2#

55 4.1 19.4 29.0#

61 10.3 19.4 29.2#



#76

1,2,3-Trichloropropane

Concen: 23.638 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX033858.D

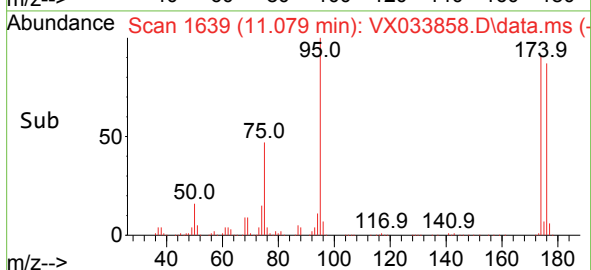
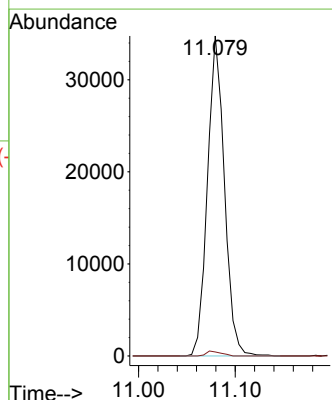
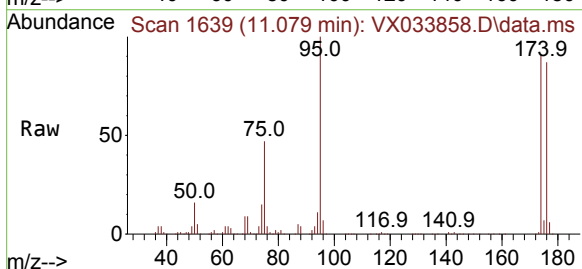
Acq: 23 Jan 2023 18:39

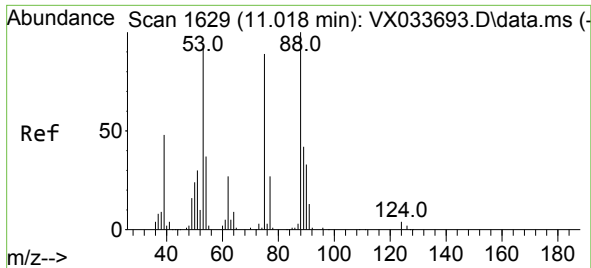
Tgt Ion: 75 Resp: 42452

Ion Ratio Lower Upper

75 100

77 1.3 21.8 65.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.463 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX033858.D
 Acq: 23 Jan 2023 18:39

Instrument :
 MSVOA_X
 ClientSampleId :
 BORING-1

Tgt Ion: 75 Resp: 42452
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.0 124.6#
 89 0.0 37.7 56.5#

