

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012323\
 Data File : VX033852.D
 Acq On : 23 Jan 2023 16:20
 Operator : JC/MD
 Sample : 01239-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BORING-3

Quant Time: Jan 24 00:43:32 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)

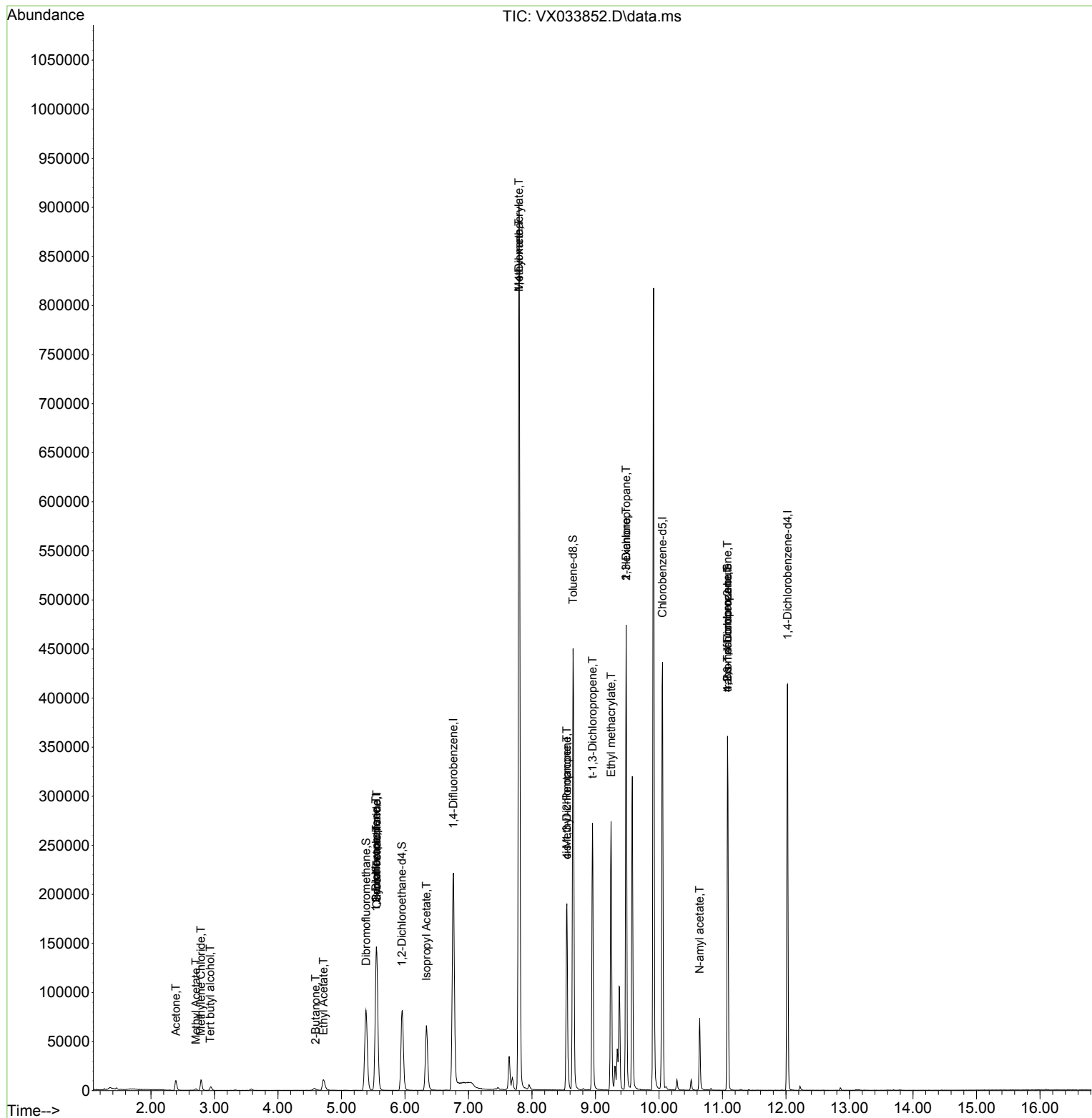
Internal Standards						
1) Pentafluorobenzene	5.550	168	160978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	235502	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	209361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	99218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78413	46.263	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.520%		
35) Dibromofluoromethane	5.385	113	72501	49.579	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.160%		
50) Toluene-d8	8.647	98	271074	50.876	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	101.760%		
62) 4-Bromofluorobenzene	11.079	95	92583	46.801	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.600%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.935	59	2147	7.292	ug/l #	86
16) Acetone	2.392	43	13546	10.103	ug/l	91
18) Methyl Acetate	2.709	43	2143	0.906	ug/l	97
20) Methylene Chloride	2.788	84	5315	1.159	ug/l	96
25) 2-Butanone	4.593	43	1659	1.498	ug/l	94
31) Cyclohexane	5.550	56	2365	0.948	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	9393	4.401	ug/l #	48
37) Ethyl Acetate	4.715	43	20698	7.749	ug/l	99
38) Carbon Tetrachloride	5.556	117	13700	6.198	ug/l #	14
43) Isopropyl Acetate	6.336	43	90273	26.793	ug/l	99
48) Methyl methacrylate	7.793	41	75883	44.710	ug/l #	44
49) 1,4-Dioxane	7.793	88	155	4.129	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	66157	31.972	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	622	0.296	ug/l #	43
54) cis-1,3-Dichloropropene	8.549	75	32272	13.729	ug/l #	58
56) Ethyl methacrylate	9.244	69	525	0.235	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	4239	1.644	ug/l #	43
59) 2-Hexanone	9.482	43	54967	38.166	ug/l #	51
73) Isopropylbenzene	11.085	105	101	Below Cal	#	48
74) N-amyl acetate	10.640	43	19094	7.329	ug/l #	52
76) 1,2,3-Trichloropropane	11.079	75	42548	23.340	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	42548	72.537	ug/l #	8

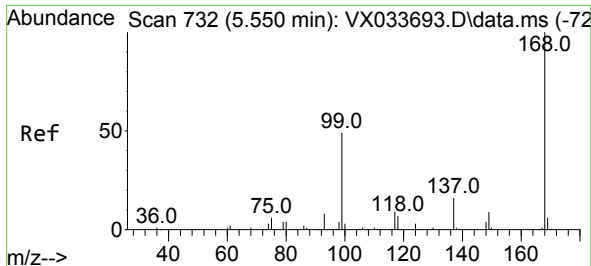
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :
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Quant Time: Jan 24 00:43:32 2023
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Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

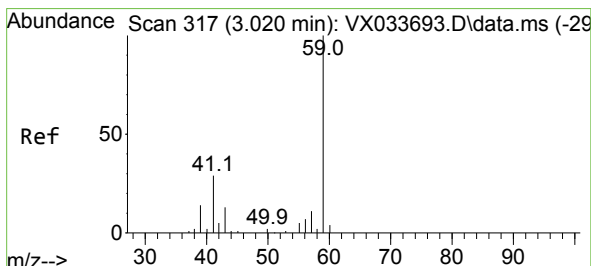
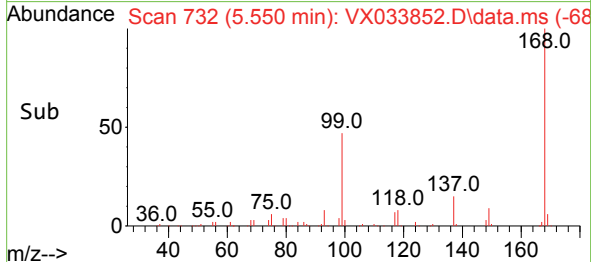
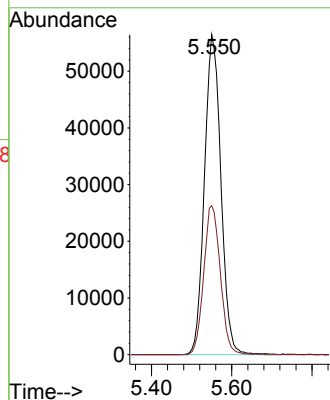
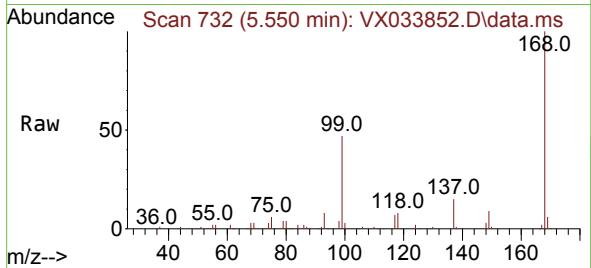




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

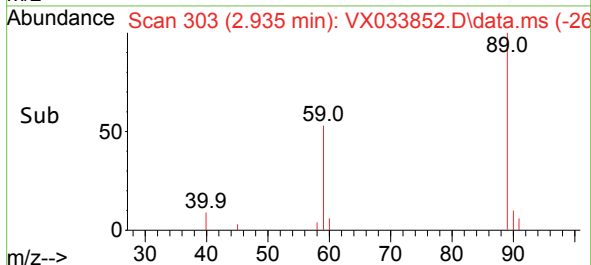
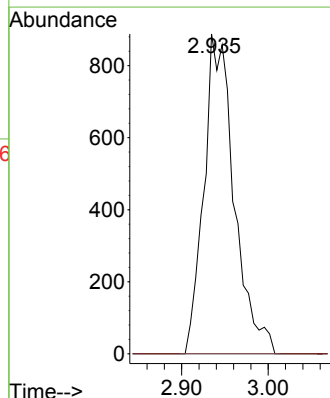
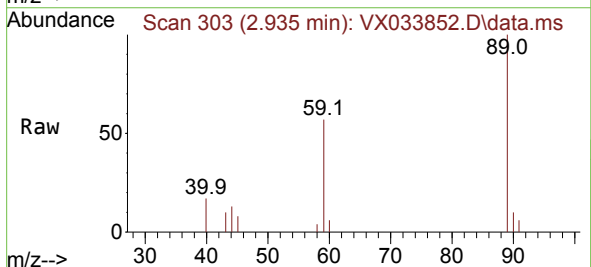
Instrument :
MSVOA_X
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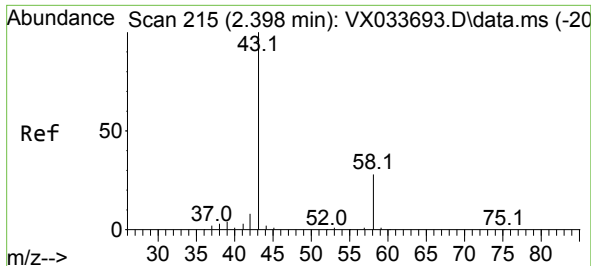
Tgt Ion:168 Resp: 160978
Ion Ratio Lower Upper
168 100
99 46.5 39.6 59.4



#11
Tert butyl alcohol
Concen: 7.292 ug/l
RT: 2.935 min Scan# 303
Delta R.T. -0.085 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion: 59 Resp: 2147
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

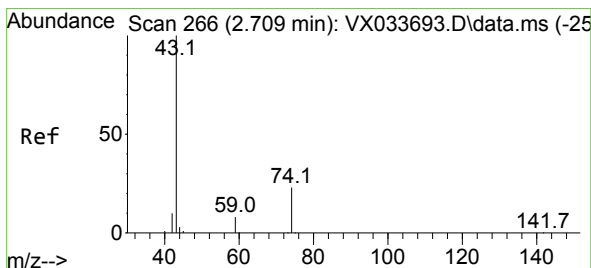
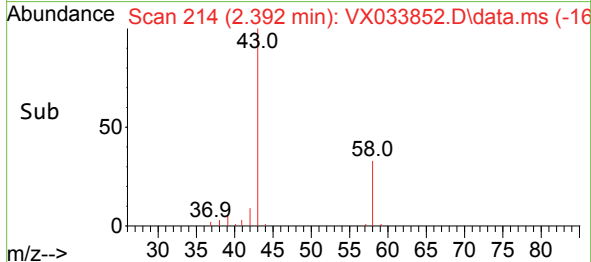
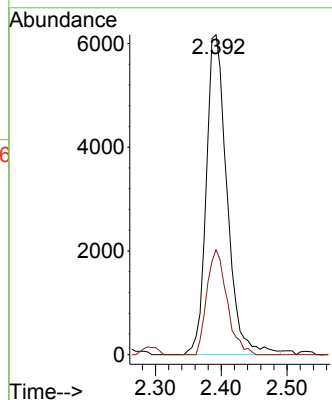
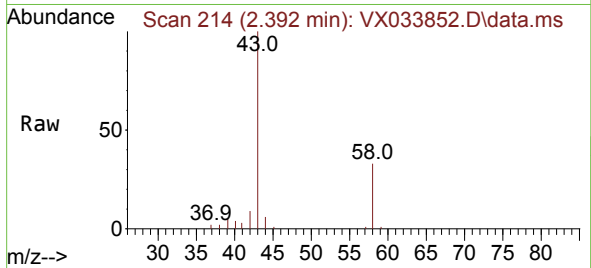




#16
Acetone
Concen: 10.103 ug/l
RT: 2.392 min Scan# 215
Delta R.T. -0.006 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

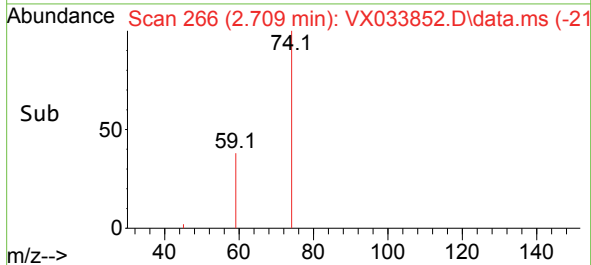
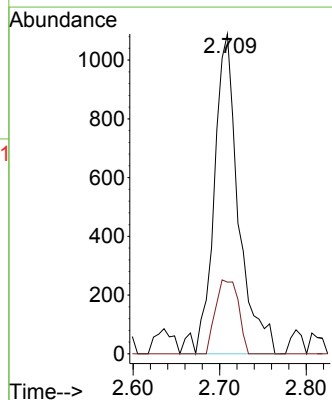
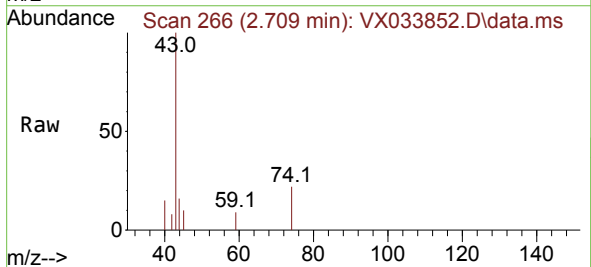
Instrument :
MSVOA_X
ClientSampleId :
BORING-3

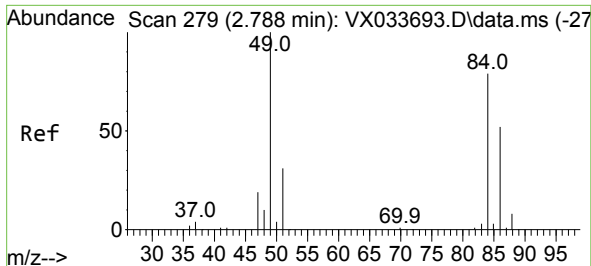
Tgt Ion: 43 Resp: 13546
Ion Ratio Lower Upper
43 100
58 32.8 22.6 33.8



#18
Methyl Acetate
Concen: 0.906 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion: 43 Resp: 2143
Ion Ratio Lower Upper
43 100
74 21.5 18.2 27.4

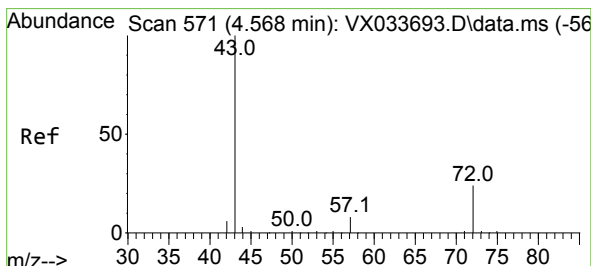
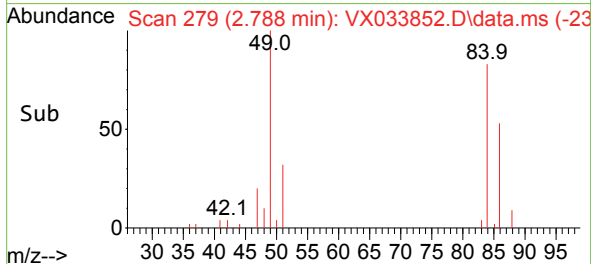
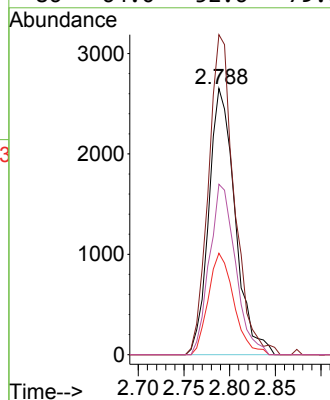
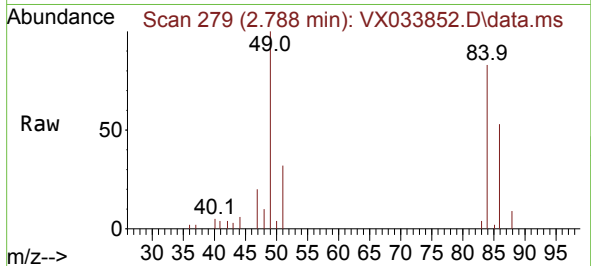




#20
Methylene Chloride
Concen: 1.159 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

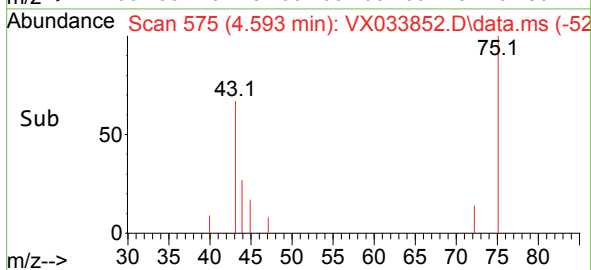
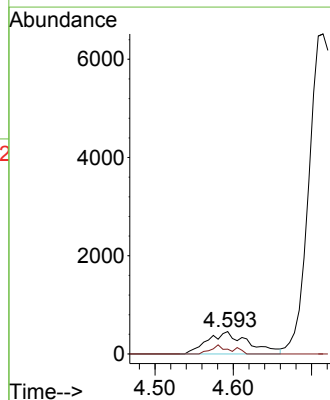
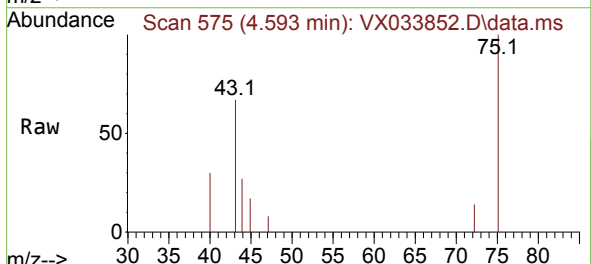
Instrument :
MSVOA_X
ClientSampleId :
BORING-3

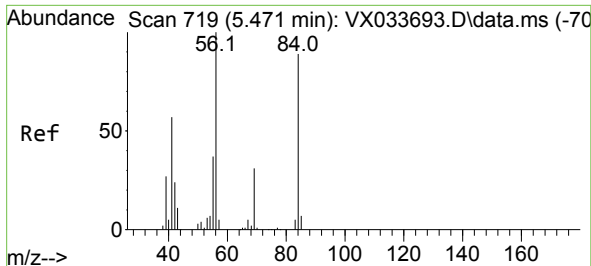
Tgt Ion:	84	Resp:	5315
Ion	Ratio	Lower	Upper
84	100		
49	120.2	101.1	151.7
51	38.1	31.0	46.6
86	64.0	52.6	79.0



#25
2-Butanone
Concen: 1.498 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.024 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion:	43	Resp:	1659
Ion	Ratio	Lower	Upper
43	100		
72	21.3	19.4	29.2

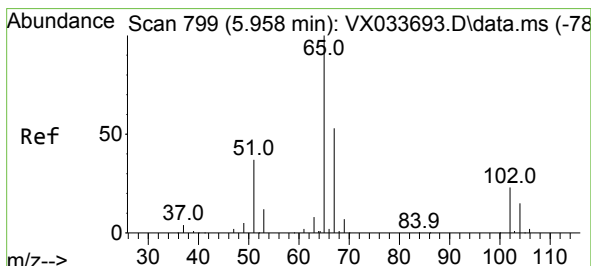
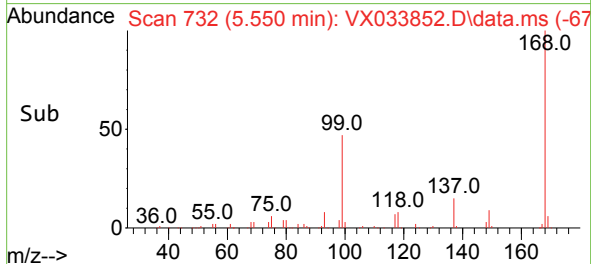
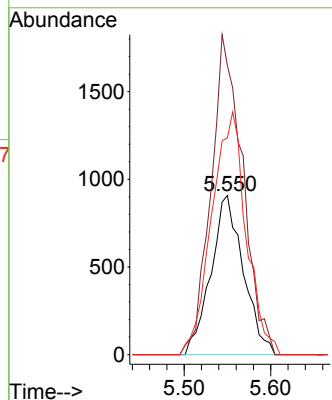
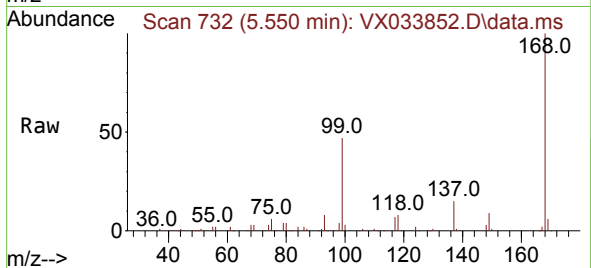




#31
Cyclohexane
Concen: 0.948 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

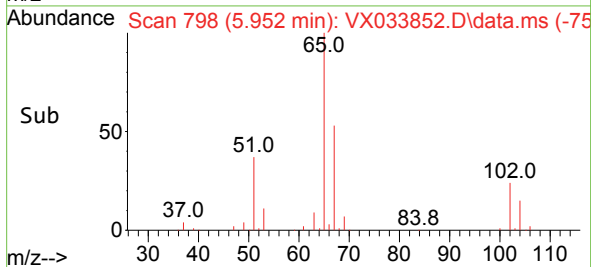
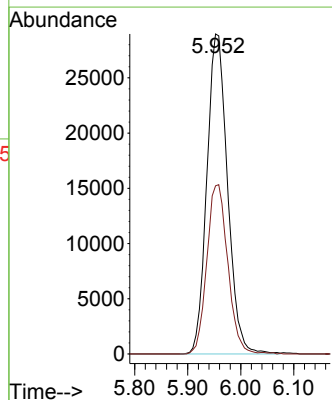
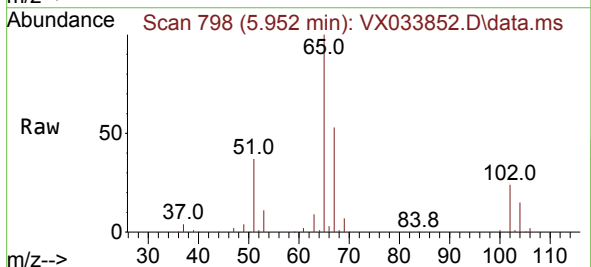
Instrument :
MSVOA_X
ClientSampleId :
BORING-3

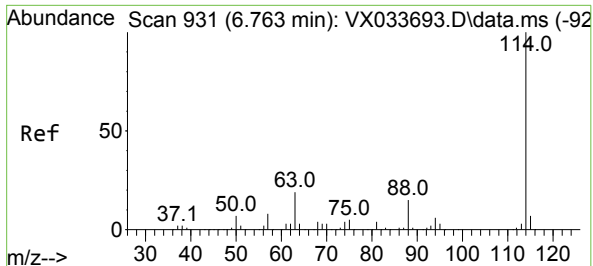
Tgt Ion: 56 Resp: 2365
Ion Ratio Lower Upper
56 100
69 181.5 24.6 37.0#
84 136.2 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 46.263 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion: 65 Resp: 78413
Ion Ratio Lower Upper
65 100
67 53.7 0.0 104.8

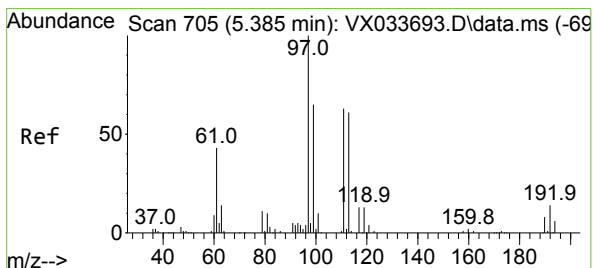
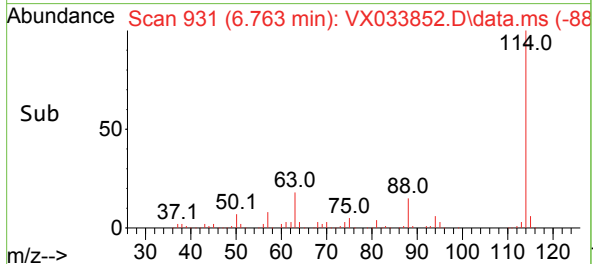
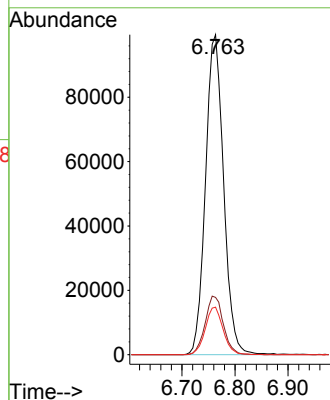
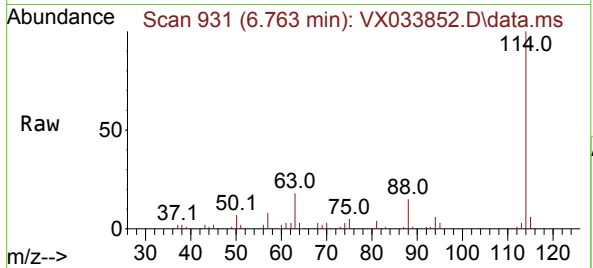




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

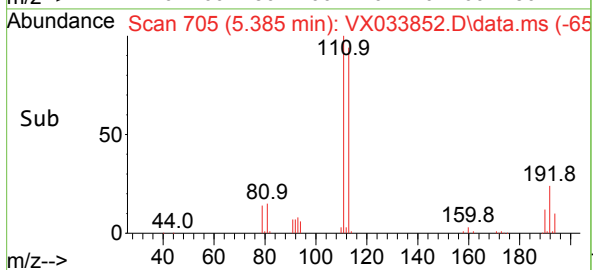
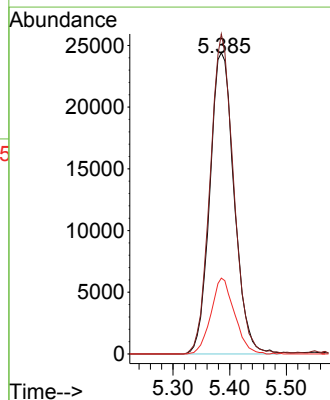
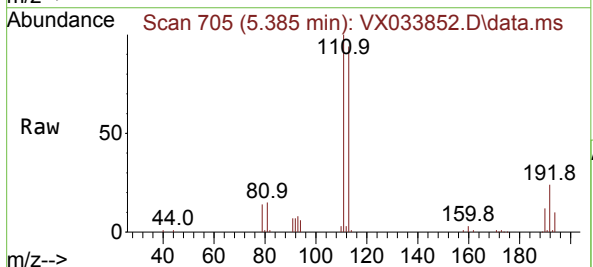
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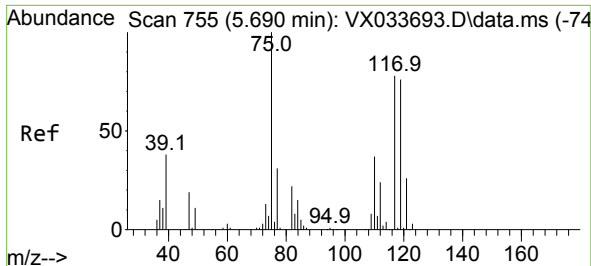
Tgt Ion:114 Resp: 235502
Ion Ratio Lower Upper
114 100
63 17.9 0.0 37.4
88 14.9 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.579 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion:113 Resp: 72501
Ion Ratio Lower Upper
113 100
111 103.1 83.0 124.6
192 24.4 19.0 28.4

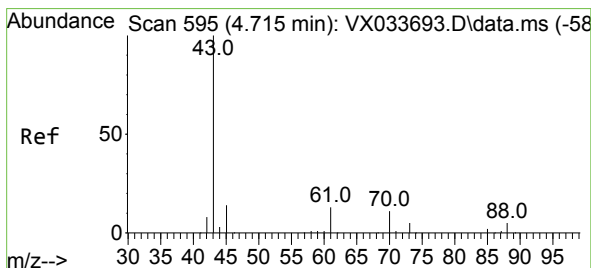
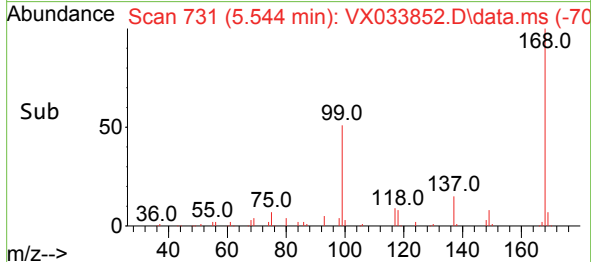
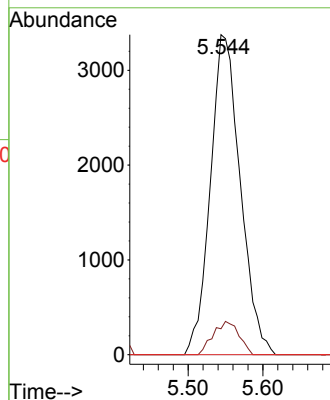
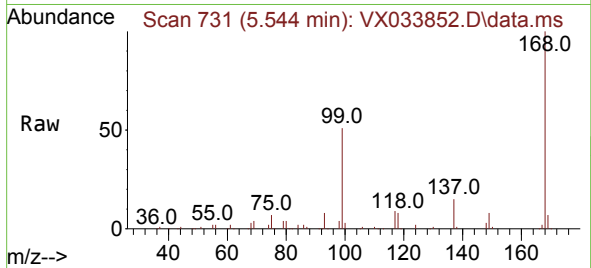




#36
1,1-Dichloropropene
Concen: 4.401 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

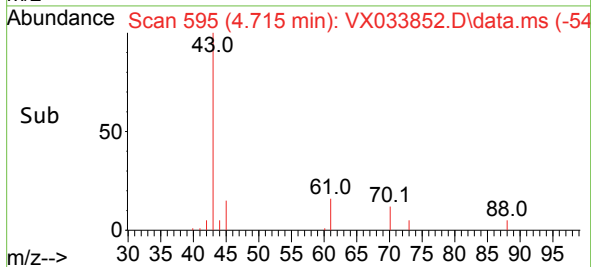
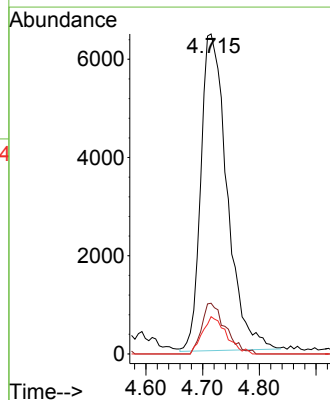
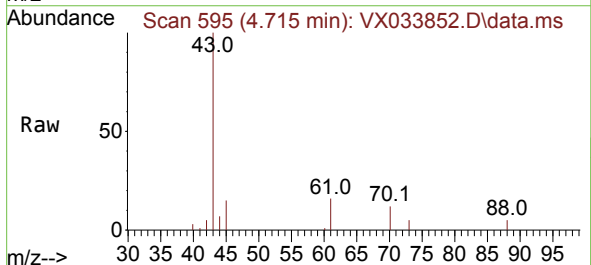
Instrument :
MSVOA_X
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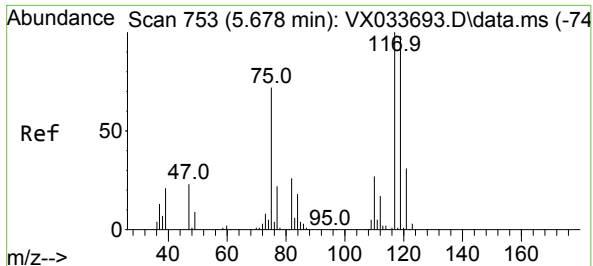
Tgt Ion: 75 Resp: 9393
Ion Ratio Lower Upper
75 100
110 9.0 18.8 56.4#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.749 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

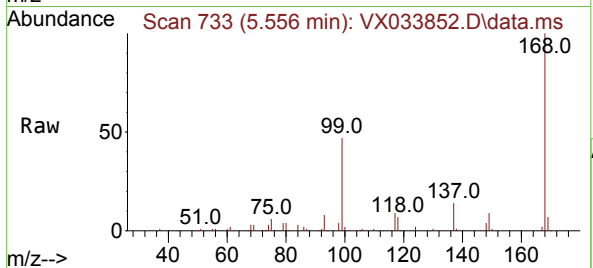
Tgt Ion: 43 Resp: 20698
Ion Ratio Lower Upper
43 100
61 14.5 11.1 16.7
70 10.8 8.5 12.7



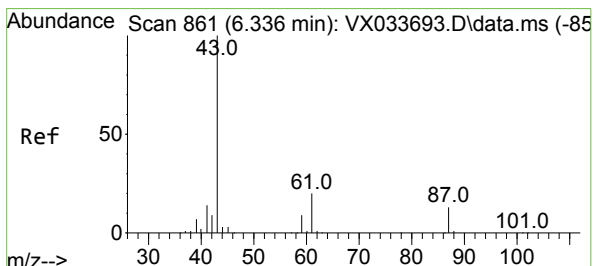
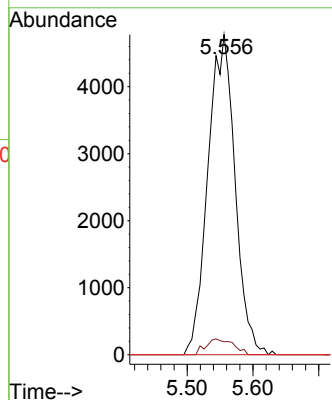
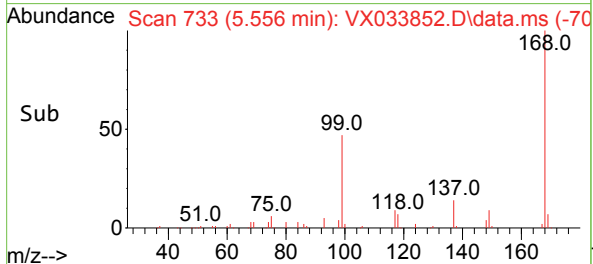


#38
Carbon Tetrachloride
Concen: 6.198 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Instrument :
MSVOA_X
ClientSampleId :
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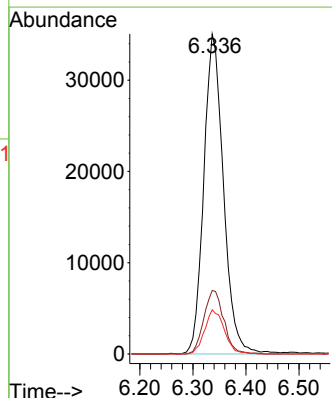
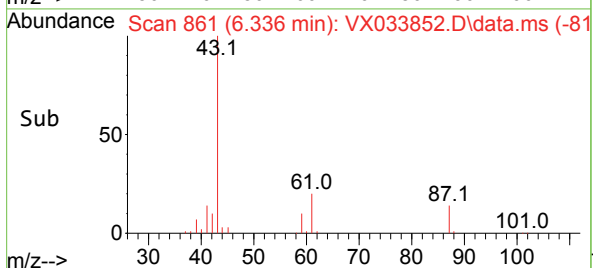
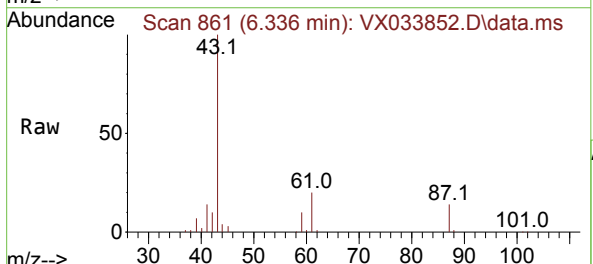


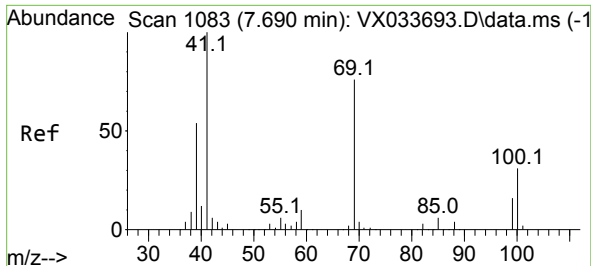
Tgt Ion:117 Resp: 13700
Ion Ratio Lower Upper
117 100
119 4.1 78.0 117.0#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 26.793 ug/l
RT: 6.336 min Scan# 861
Delta R.T. 0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion: 43 Resp: 90273
Ion Ratio Lower Upper
43 100
61 20.1 15.7 23.5
87 13.7 10.6 15.8





#48

Methyl methacrylate

Concen: 44.710 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.104 min

Lab File: VX033852.D

Acq: 23 Jan 2023 16:20

Instrument :

MSVOA_X

ClientSampleId :

BORING-3

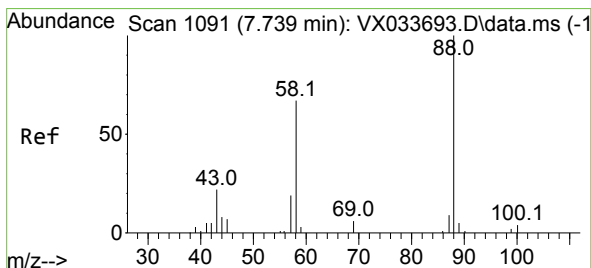
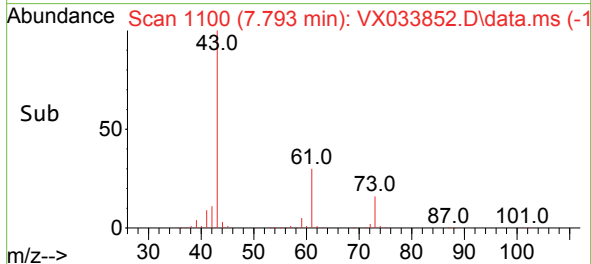
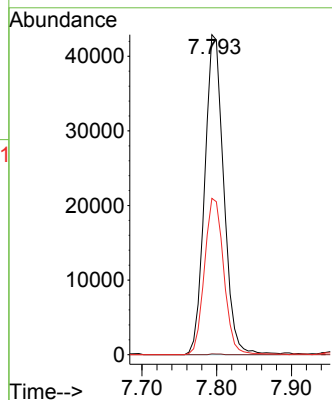
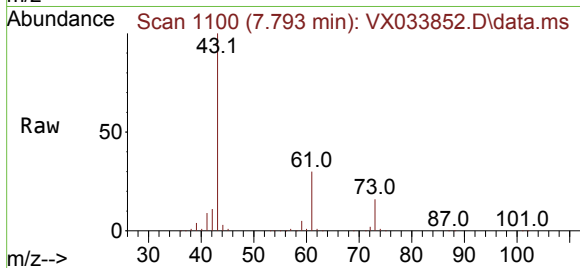
Tgt Ion: 41 Resp: 75883

Ion Ratio Lower Upper

41 100

69 0.1 63.1 94.7#

39 49.7 43.2 64.8



#49

1,4-Dioxane

Concen: 4.129 ug/l

RT: 7.793 min Scan# 1100

Delta R.T. 0.055 min

Lab File: VX033852.D

Acq: 23 Jan 2023 16:20

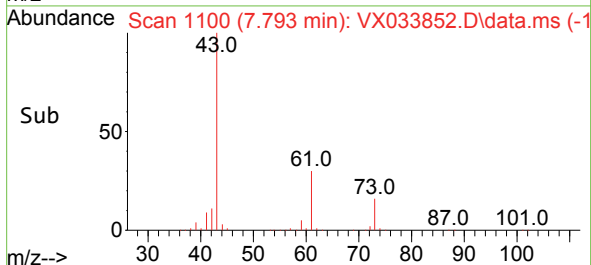
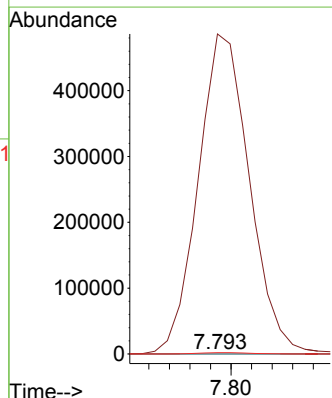
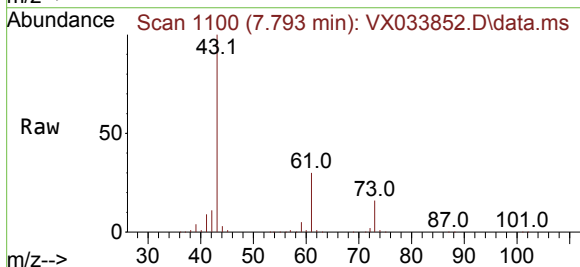
Tgt Ion: 88 Resp: 155

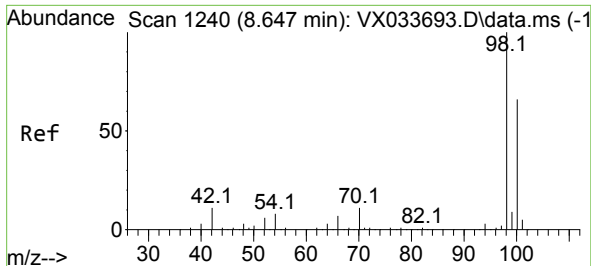
Ion Ratio Lower Upper

88 100

43 547363.9 0.0 0.0#

58 2267.1 56.5 84.7#

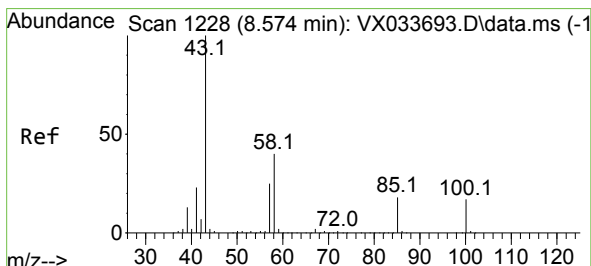
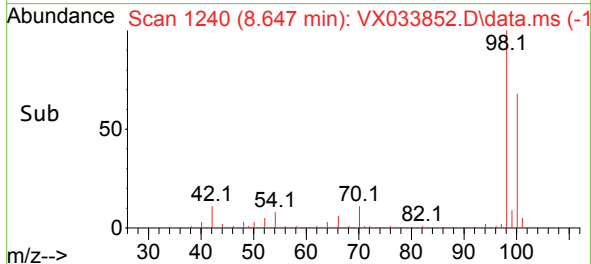
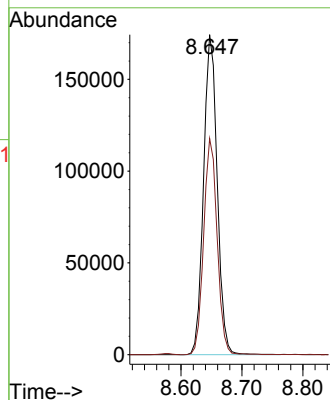
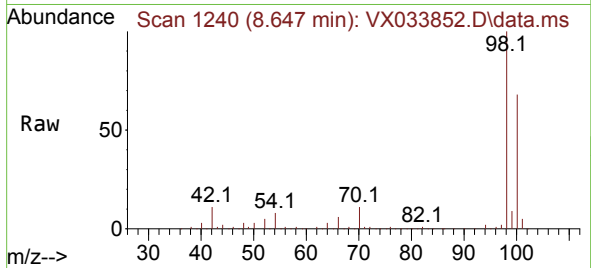




#50
Toluene-d8
Concen: 50.876 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

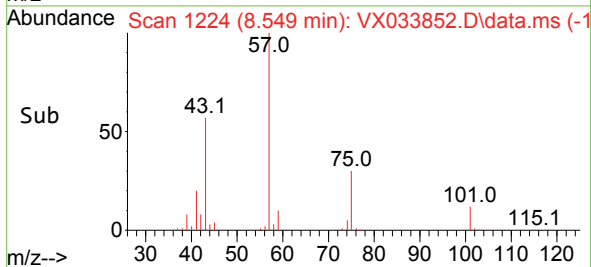
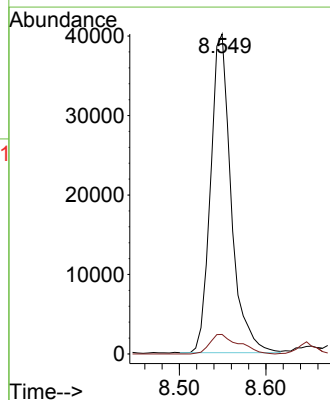
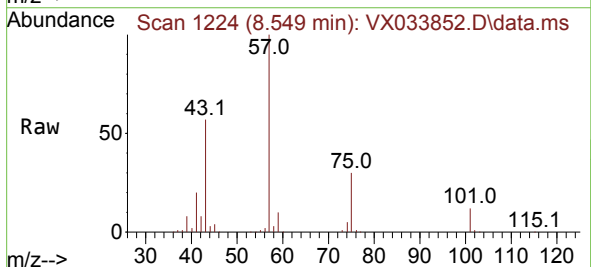
Instrument :
MSVOA_X
ClientSampleId :
BORING-3

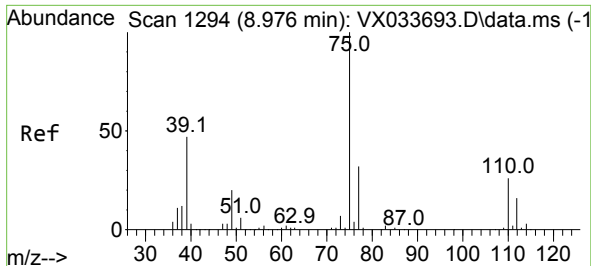
Tgt Ion: 98 Resp: 271074
Ion Ratio Lower Upper
98 100
100 66.8 53.6 80.4



#51
4-Methyl-2-Pentanone
Concen: 31.972 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.024 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion: 43 Resp: 66157
Ion Ratio Lower Upper
43 100
58 8.6 31.2 46.8#

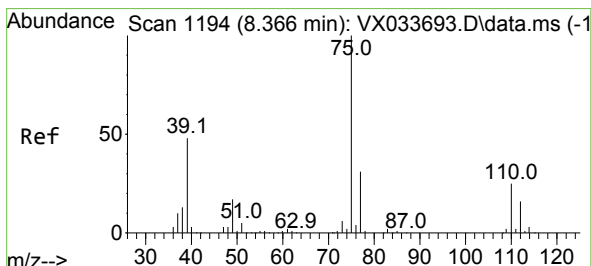
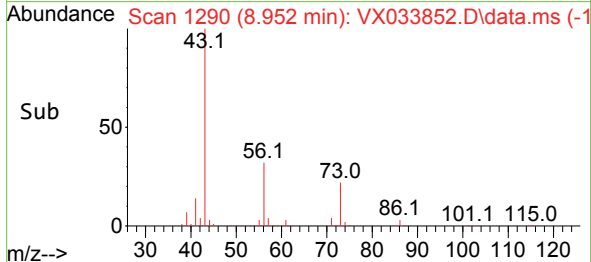
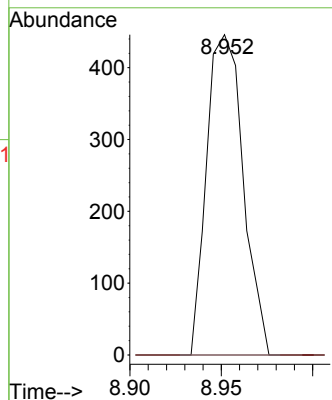
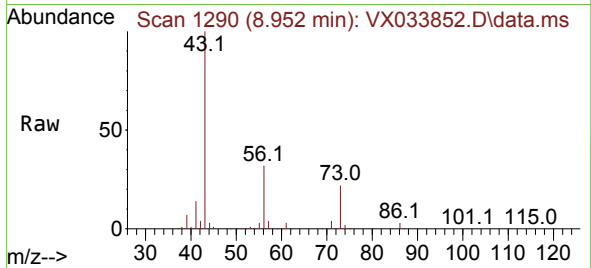




#53
 t-1,3-Dichloropropene
 Concen: 0.296 ug/l
 RT: 8.952 min Scan# 11
 Delta R.T. -0.024 min
 Lab File: VX033852.D
 Acq: 23 Jan 2023 16:20

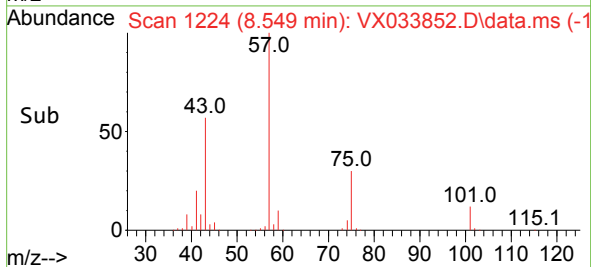
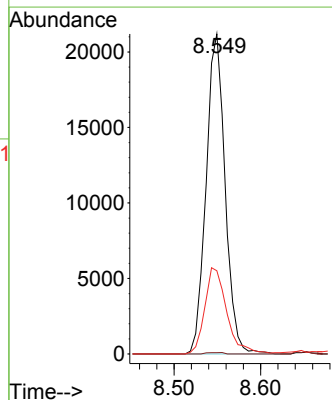
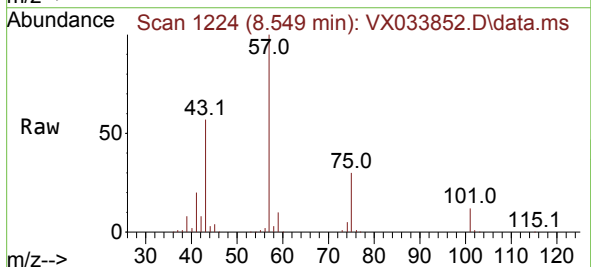
Instrument :
 MSVOA_X
 ClientSampleId :
 BORING-3

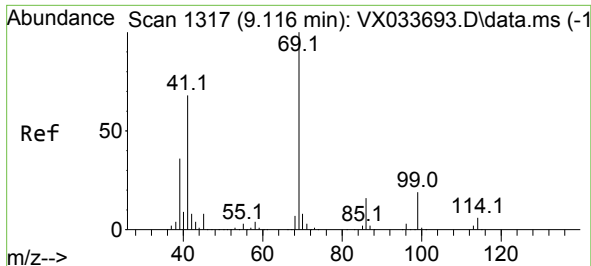
Tgt Ion: 75 Resp: 622
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#



#54
 cis-1,3-Dichloropropene
 Concen: 13.729 ug/l
 RT: 8.549 min Scan# 1224
 Delta R.T. 0.183 min
 Lab File: VX033852.D
 Acq: 23 Jan 2023 16:20

Tgt Ion: 75 Resp: 32272
 Ion Ratio Lower Upper
 75 100
 77 0.4 25.0 37.6#
 39 26.0 38.6 58.0#

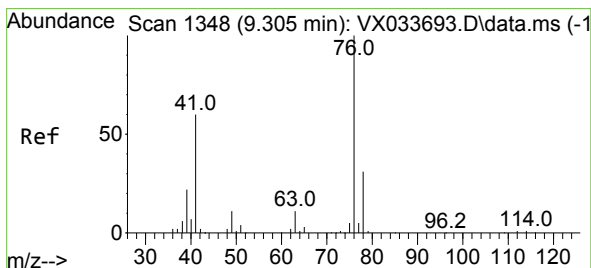
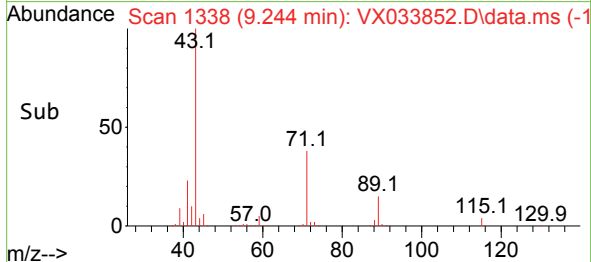
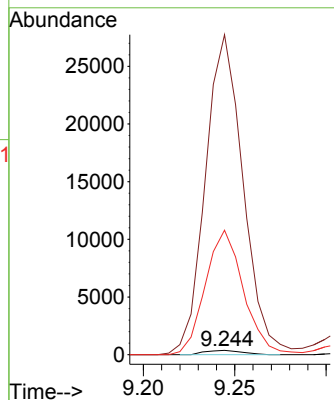
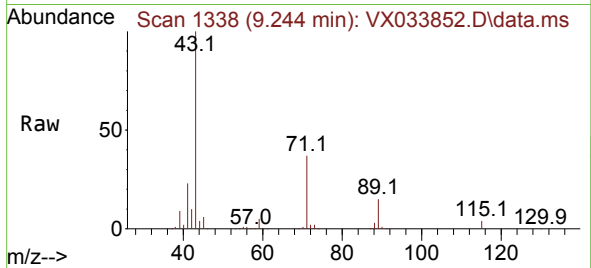




#56
Ethyl methacrylate
Concen: 0.235 ug/l
RT: 9.244 min Scan# 11
Delta R.T. 0.128 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

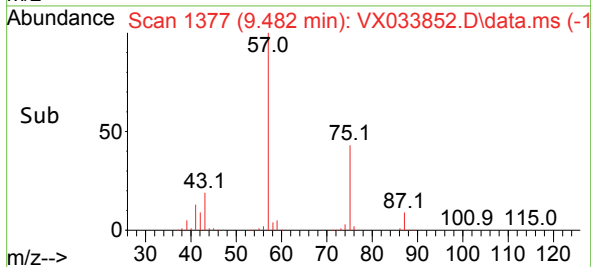
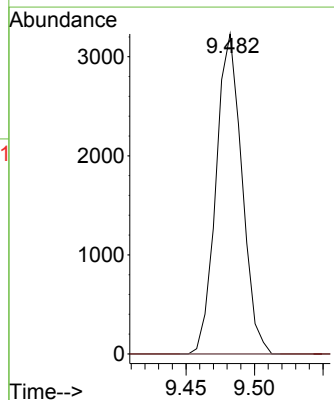
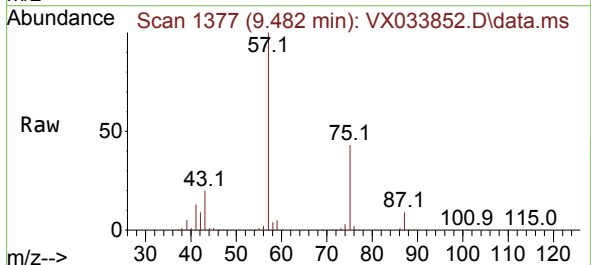
Instrument :
MSVOA_X
ClientSampleId :
BORING-3

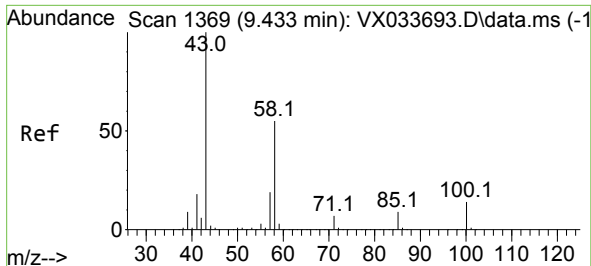
Tgt Ion: 69 Resp: 525
Ion Ratio Lower Upper
69 100
41 7611.6 55.1 82.7#
39 3001.1 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.644 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.177 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion: 76 Resp: 4239
Ion Ratio Lower Upper
76 100
78 0.0 25.6 38.4#





#59

2-Hexanone

Concen: 38.166 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX033852.D

Acq: 23 Jan 2023 16:20

Instrument :

MSVOA_X

ClientSampleId :

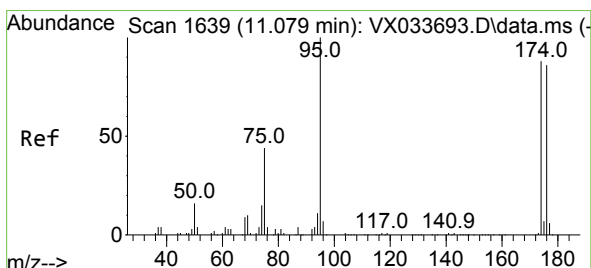
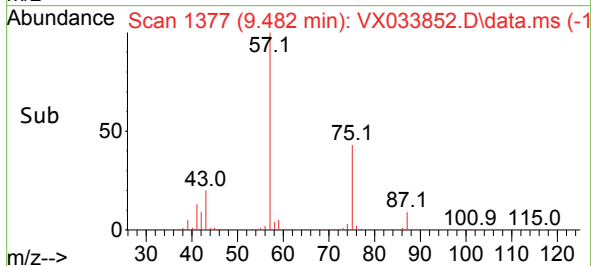
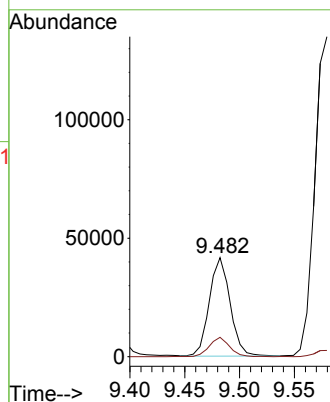
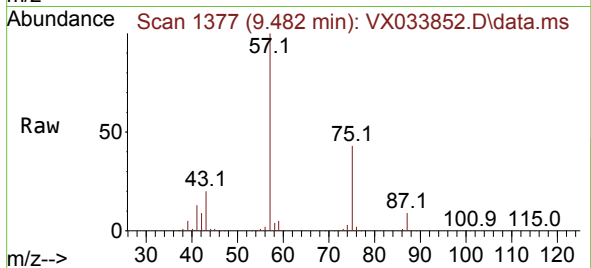
BORING-3

Tgt Ion: 43 Resp: 54967

Ion Ratio Lower Upper

43 100

58 19.3 27.4 82.0#



#62

4-Bromofluorobenzene

Concen: 46.801 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033852.D

Acq: 23 Jan 2023 16:20

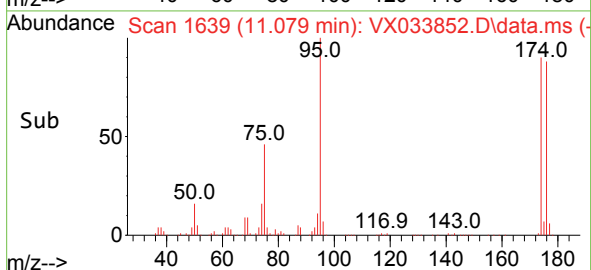
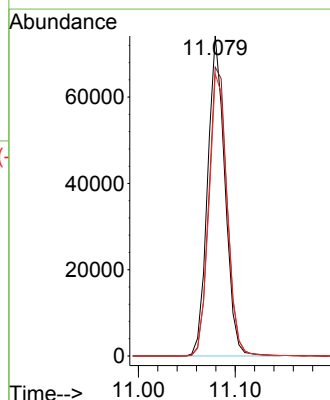
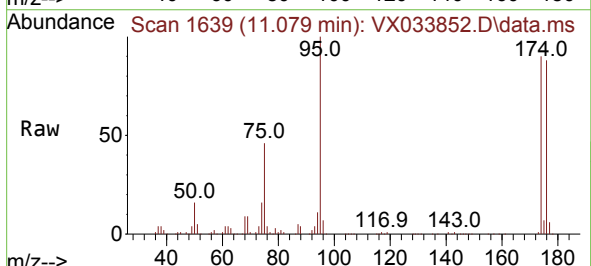
Tgt Ion: 95 Resp: 92583

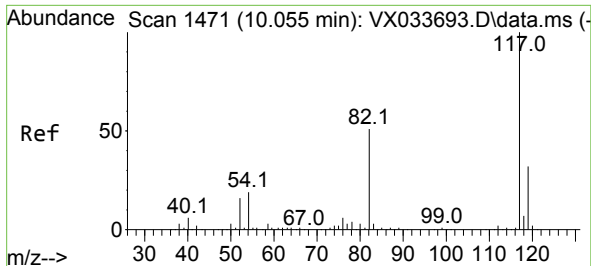
Ion Ratio Lower Upper

95 100

174 95.5 0.0 184.4

176 92.5 0.0 178.8

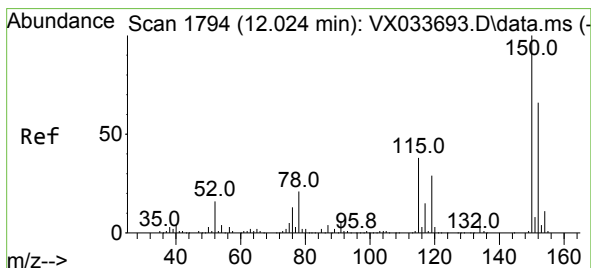
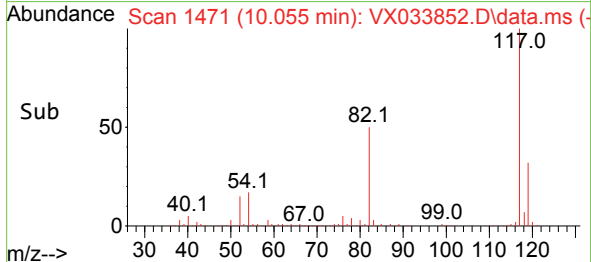
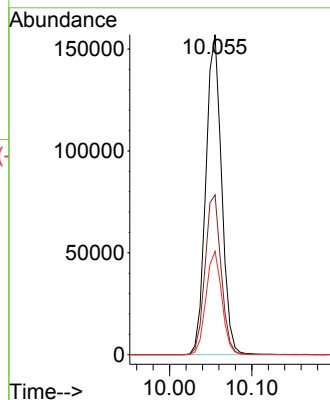
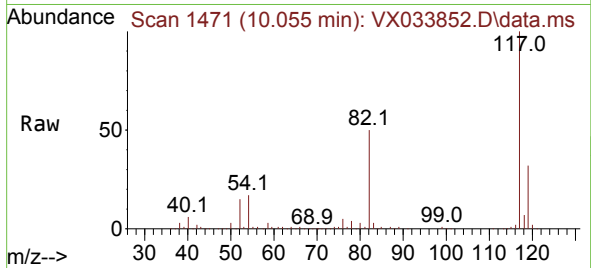




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

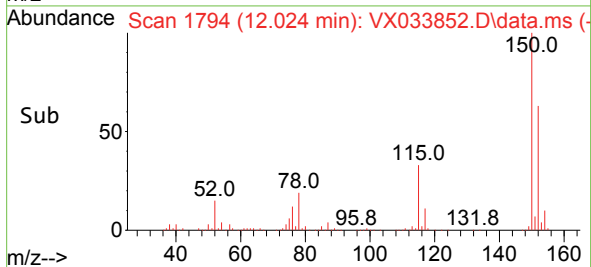
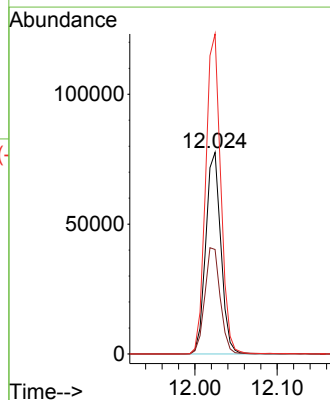
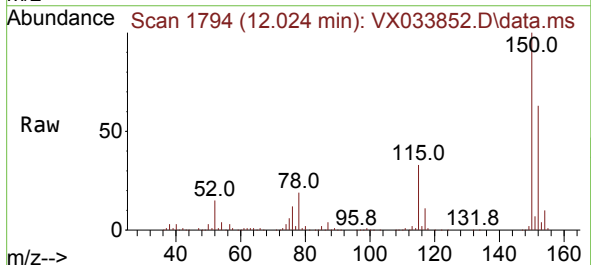
Instrument :
MSVOA_X
ClientSampleId :
BORING-3

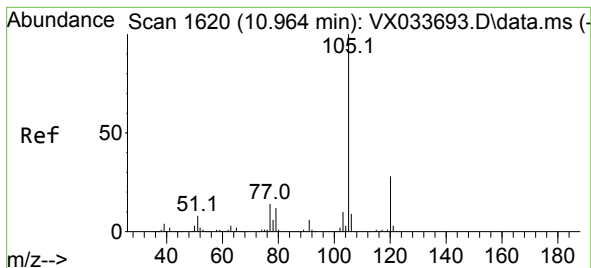
Tgt Ion:117 Resp: 209361
Ion Ratio Lower Upper
117 100
82 49.9 40.6 60.8
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion:152 Resp: 99218
Ion Ratio Lower Upper
152 100
115 53.7 38.7 116.1
150 158.1 0.0 348.2





#73

Isopropylbenzene

Concen: Below Cal

RT: 11.085 min Scan# 1

Delta R.T. 0.121 min

Lab File: VX033852.D

Acq: 23 Jan 2023 16:20

Instrument :

MSVOA_X

ClientSampleId :

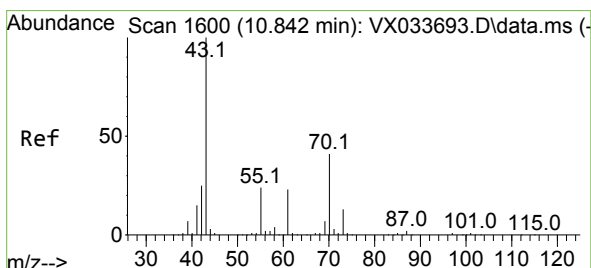
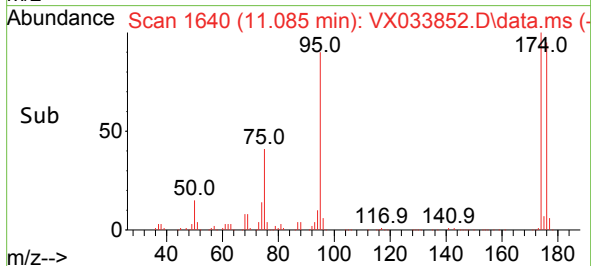
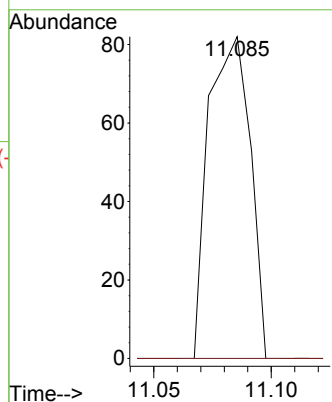
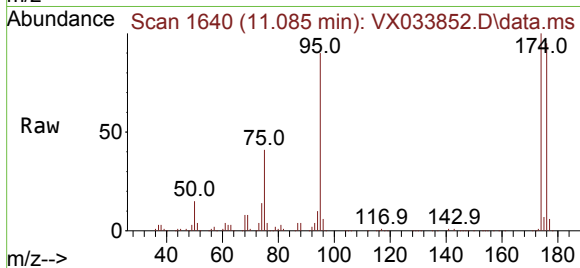
BORING-3

Tgt Ion:105 Resp: 101

Ion Ratio Lower Upper

105 100

120 0.0 13.6 40.8#



#74

N-ethyl acetate

Concen: 7.329 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.201 min

Lab File: VX033852.D

Acq: 23 Jan 2023 16:20

Tgt Ion: 43 Resp: 19094

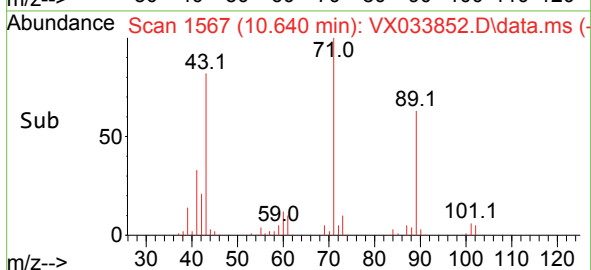
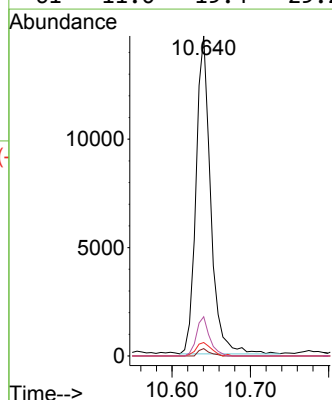
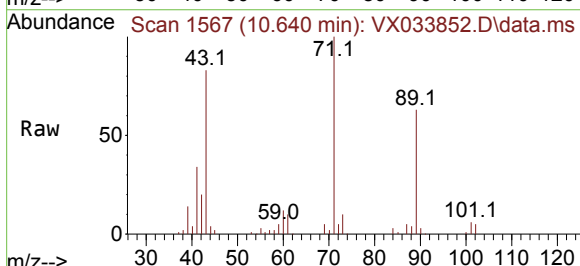
Ion Ratio Lower Upper

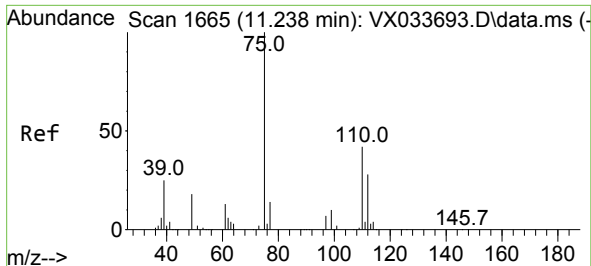
43 100

70 1.8 34.8 52.2#

55 4.5 19.4 29.0#

61 11.0 19.4 29.2#

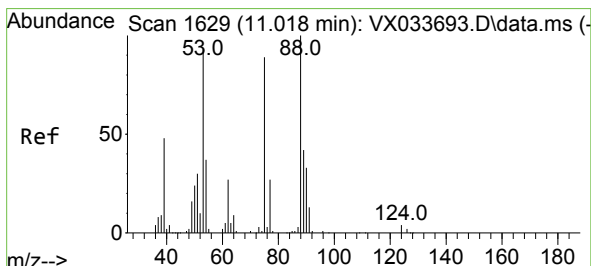
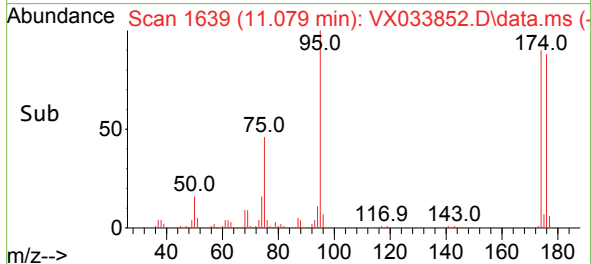
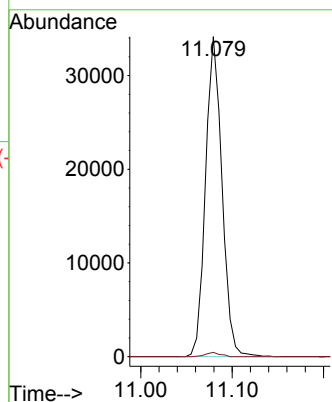
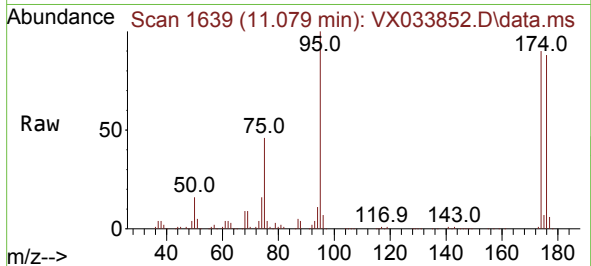




#76
1,2,3-Trichloropropane
Concen: 23.340 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Instrument :
MSVOA_X
ClientSampleId :
BORING-3

Tgt Ion: 75 Resp: 42548
Ion Ratio Lower Upper
75 100
77 1.2 21.8 65.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.537 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033852.D
Acq: 23 Jan 2023 16:20

Tgt Ion: 75 Resp: 42548
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

