

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX012924\
 Data File : VX040003.D
 Acq On : 29 Jan 2024 17:52
 Operator : JC/MD
 Sample : P1258-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-1

Quant Time: Jan 30 02:49:04 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

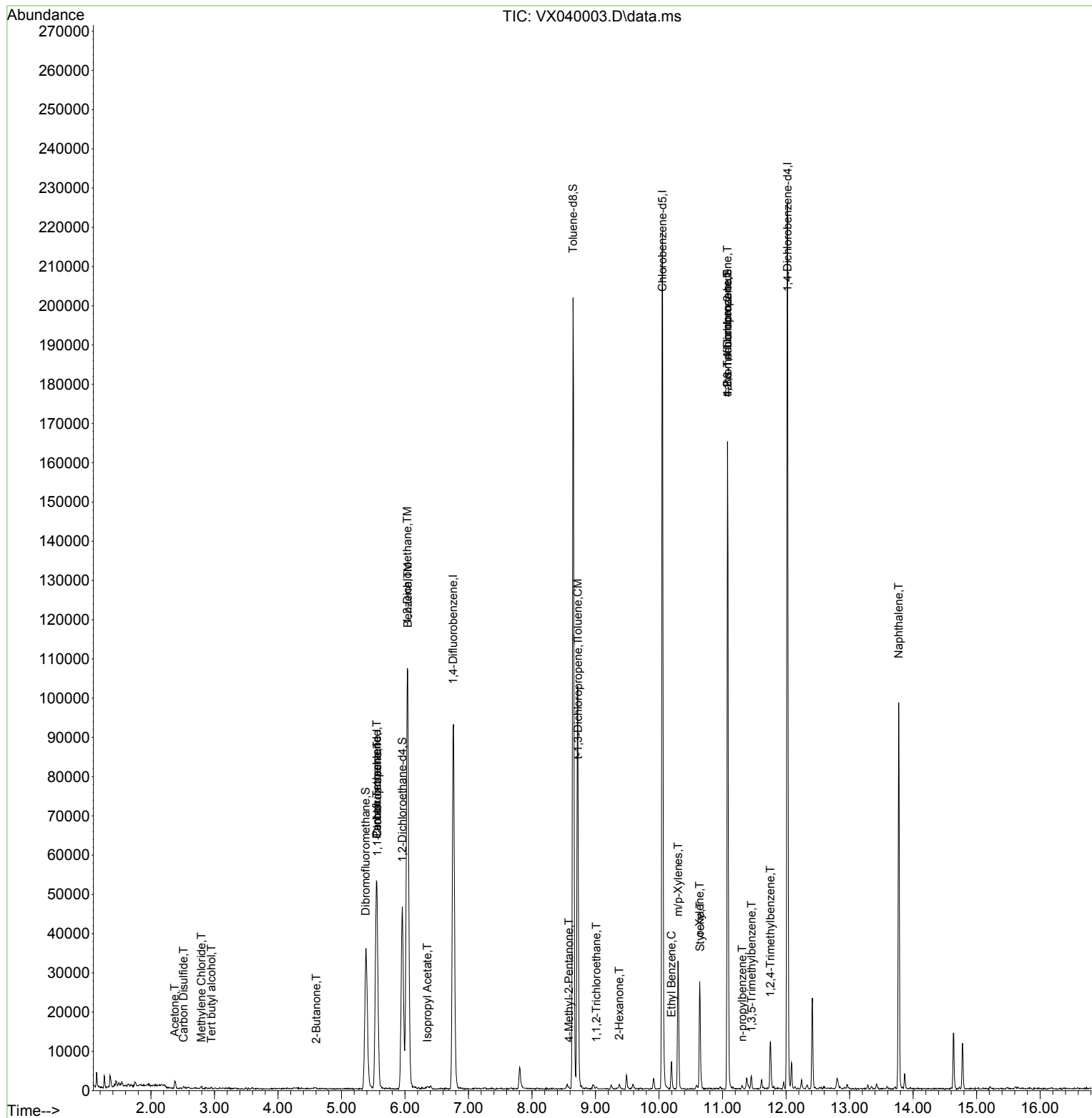
Internal Standards						
1) Pentafluorobenzene	5.556	168	45257	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	86910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	85305	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	41071	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	40922	53.978	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery	= 107.960%		
35) Dibromofluoromethane	5.379	113	30053	51.340	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery	= 102.680%		
50) Toluene-d8	8.647	98	110072	49.856	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery	= 99.720%		
62) 4-Bromofluorobenzene	11.079	95	39922	46.241	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery	= 92.480%		
Target Compounds						Qvalue
11) Tert butyl alcohol	2.953	59	116	0.588	ug/l #	78
13) Acrolein	2.252	56	19	Below Cal	#	14
16) Acetone	2.374	43	1935	4.538	ug/l	99
17) Carbon Disulfide	2.514	76	545	0.348	ug/l #	76
20) Methylene Chloride	2.794	84	193	0.299	ug/l	83
25) 2-Butanone	4.605	43	368	0.601	ug/l #	51
36) 1,1-Dichloropropene	5.562	75	5107	5.605	ug/l #	44
38) Carbon Tetrachloride	5.556	117	5095	6.105	ug/l #	16
40) Benzene	6.044	78	123778	47.974	ug/l	94
42) 1,2-Dichloroethane	6.038	62	1498	1.527	ug/l #	77
43) Isopropyl Acetate	6.355	43	811	0.455	ug/l #	72
51) 4-Methyl-2-Pentanone	8.580	43	385	0.313	ug/l #	65
52) Toluene	8.720	92	35804	23.233	ug/l	92
53) t-1,3-Dichloropropene	8.726	75	436	0.464	ug/l #	1
55) 1,1,2-Trichloroethane	9.013	97	409	0.623	ug/l #	17
59) 2-Hexanone	9.372	43	676	0.695	ug/l #	26
67) Ethyl Benzene	10.195	91	3932	1.192	ug/l	94
68) m/p-Xylenes	10.299	106	7149	5.893	ug/l	92
69) o-Xylene	10.640	106	5170	4.303	ug/l	91
70) Styrene	10.646	104	494	0.252	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	24288	22.810	ug/l #	39
78) n-propylbenzene	11.311	91	877	0.222	ug/l #	76
80) 1,3,5-Trimethylbenzene	11.457	105	1563	0.563	ug/l	90
81) trans-1,4-Dichloro-2-b...	11.079	75	24288	65.929	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	5253	1.896	ug/l	89
95) Naphthalene	13.774	128	55393	17.846	ug/l	98

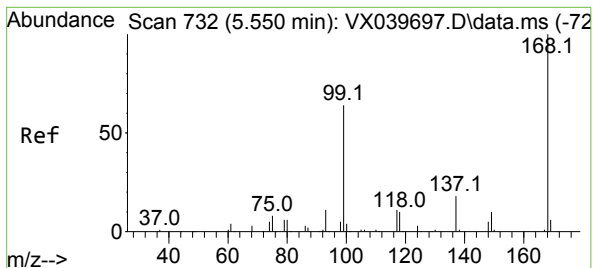
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jan 11 03:51:26 2024
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.556 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX040003.D

Acq: 29 Jan 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

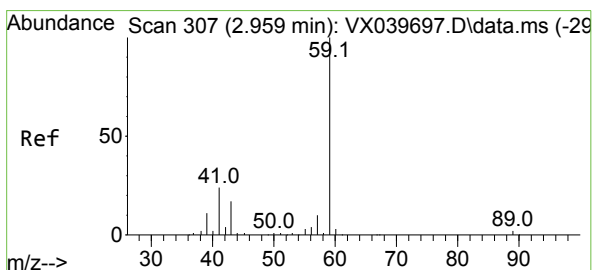
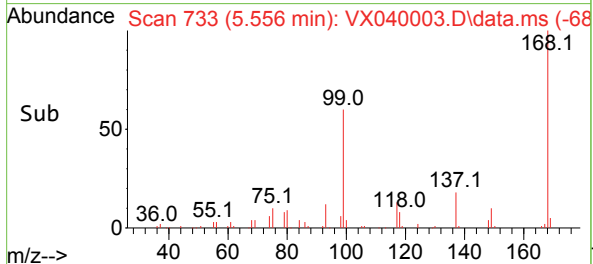
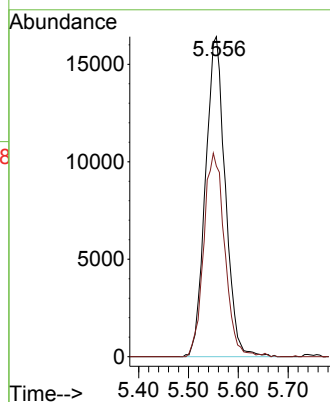
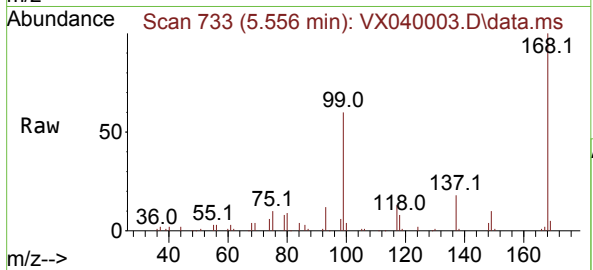
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Tgt Ion:168 Resp: 45257

Ion Ratio Lower Upper

168 100

99 59.5 56.6 85.0



#11

Tert butyl alcohol

Concen: 0.588 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX040003.D

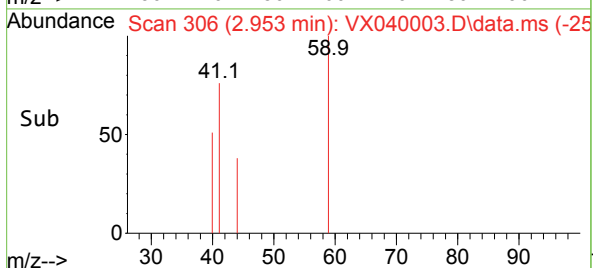
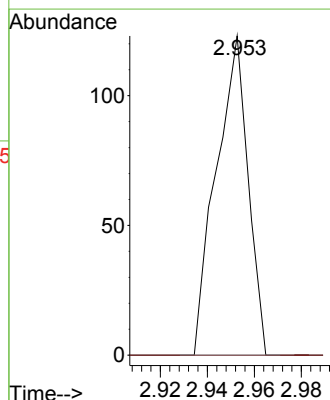
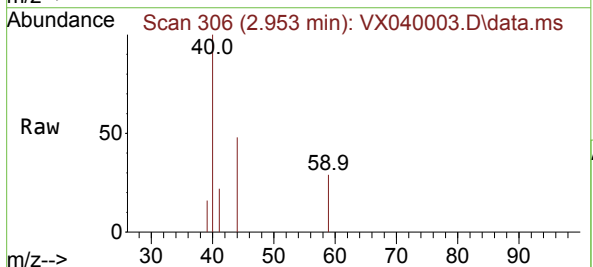
Acq: 29 Jan 2024 17:52

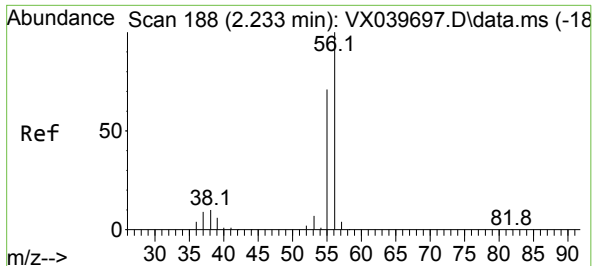
Tgt Ion: 59 Resp: 116

Ion Ratio Lower Upper

59 100

57 0.0 6.0 9.0#

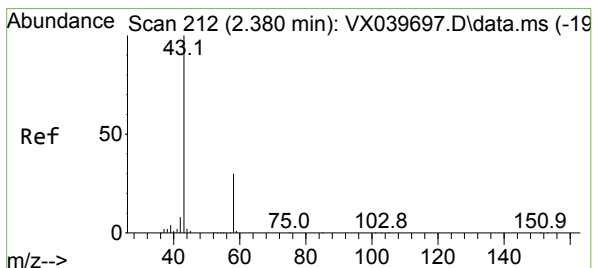
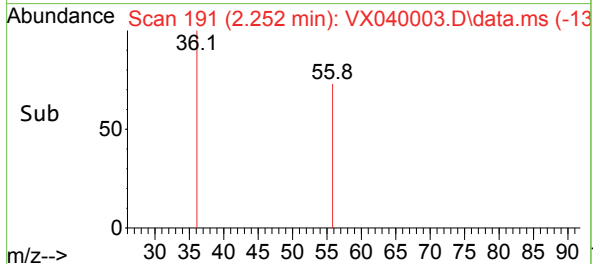
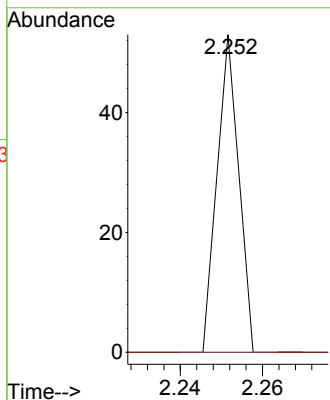
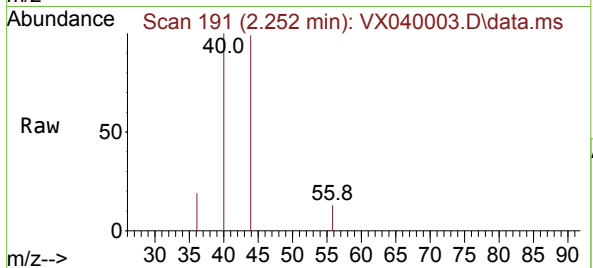




#13
Acrolein
Concen: Below Cal
RT: 2.252 min Scan# 19
Delta R.T. 0.019 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

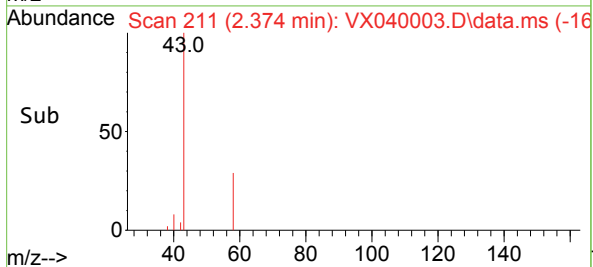
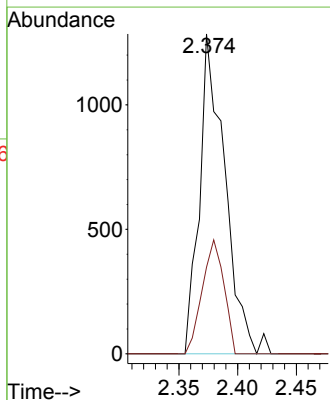
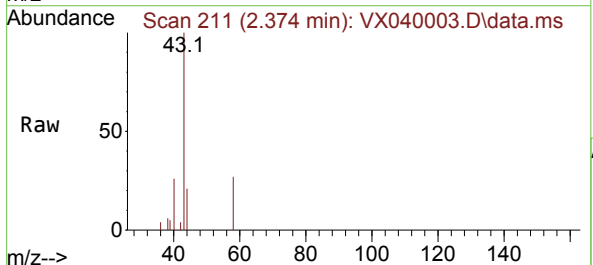
Instrument :
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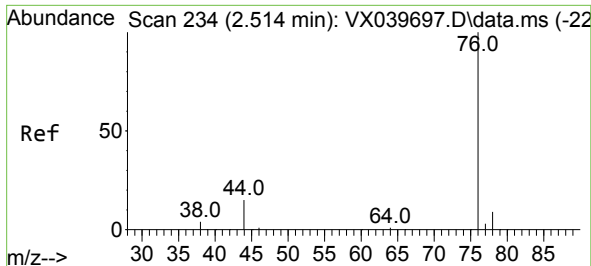
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#



#16
Acetone
Concen: 4.538 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.006 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion: 43 Resp: 1935
Ion Ratio Lower Upper
43 100
58 27.1 21.9 32.9

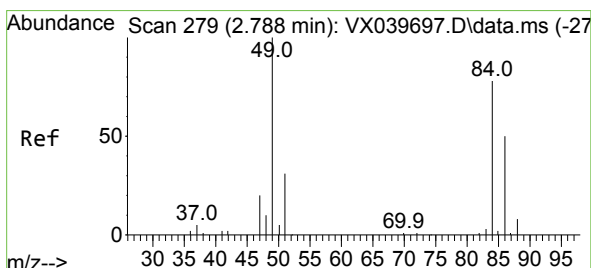
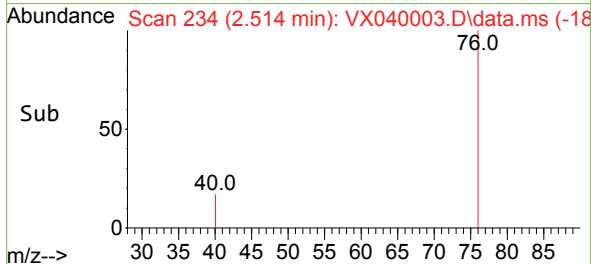
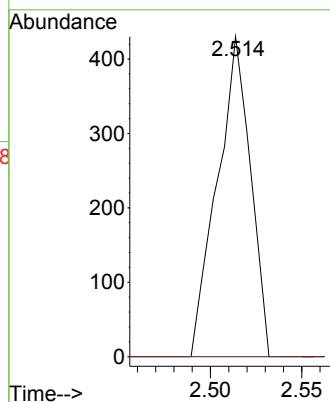
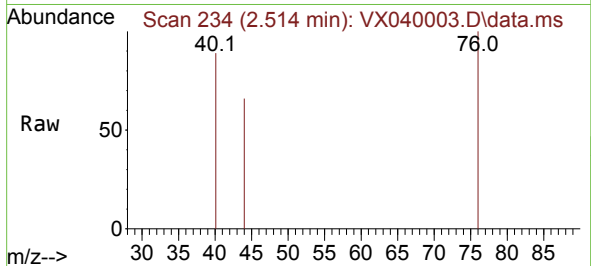




#17
Carbon Disulfide
Concen: 0.348 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

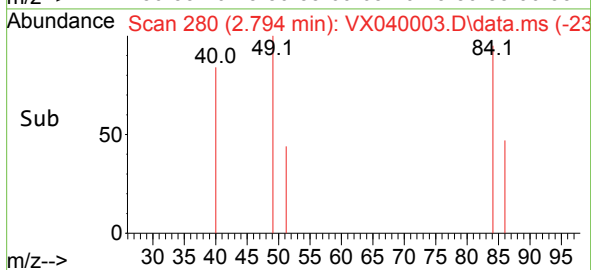
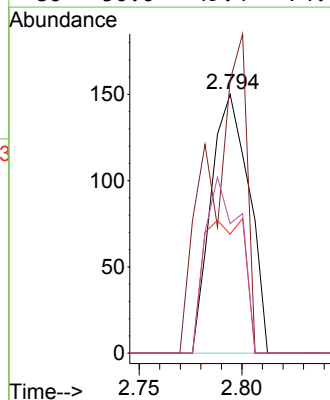
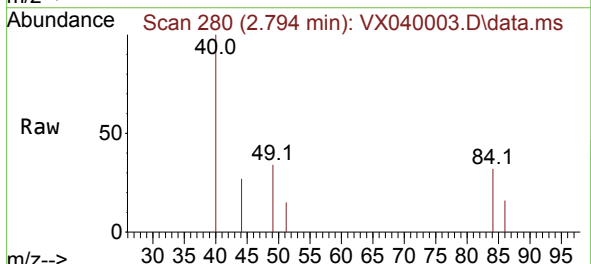
Instrument :
MSVOA_X
ClientSampleId :
S-1

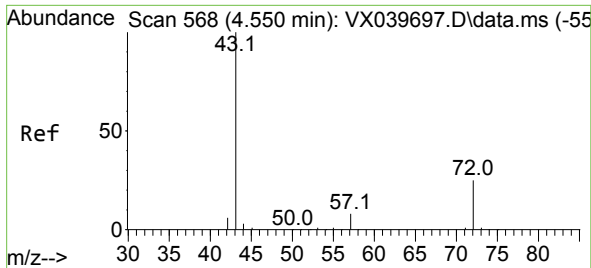
Tgt Ion: 76 Resp: 545
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#20
Methylene Chloride
Concen: 0.299 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion: 84 Resp: 193
Ion Ratio Lower Upper
84 100
49 105.3 103.6 155.4
51 46.0 33.8 50.6
86 50.0 49.4 74.0

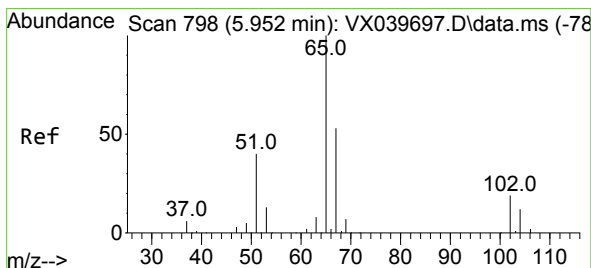
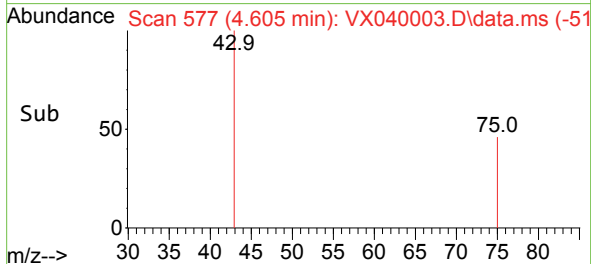
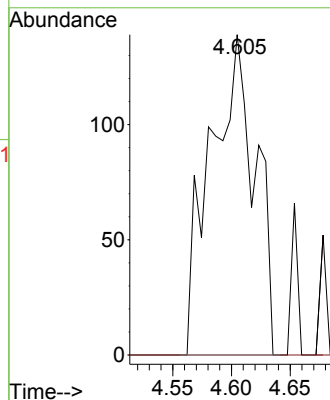
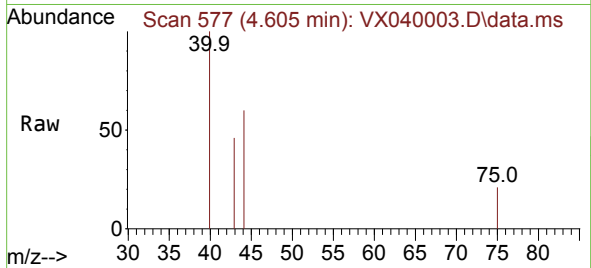




#25
2-Butanone
Concen: 0.601 ug/l
RT: 4.605 min Scan# 51
Delta R.T. 0.055 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

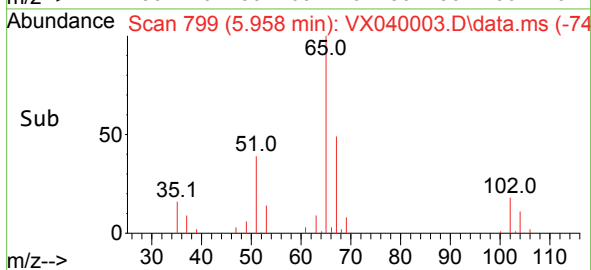
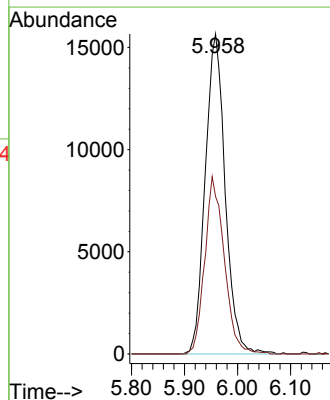
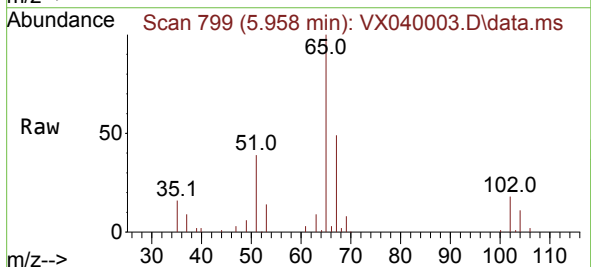
Instrument :
MSVOA_X
ClientSampleId :
S-1

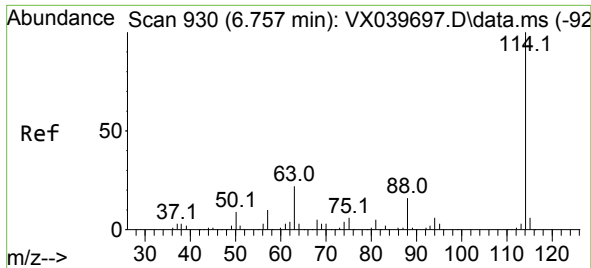
Tgt Ion: 43 Resp: 368
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#33
1,2-Dichloroethane-d4
Concen: 53.978 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion: 65 Resp: 40922
Ion Ratio Lower Upper
65 100
67 54.3 0.0 100.2

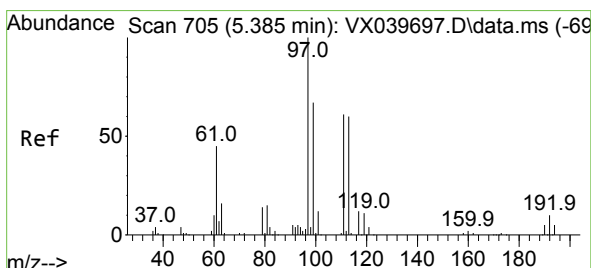
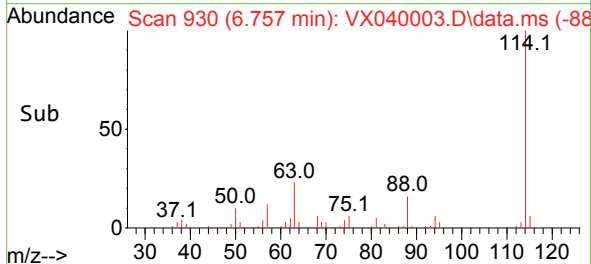
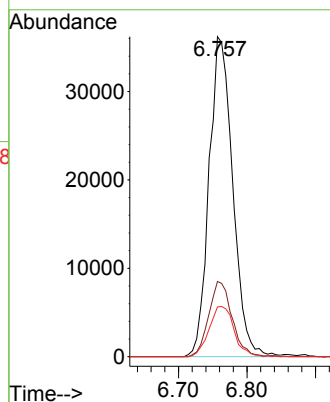
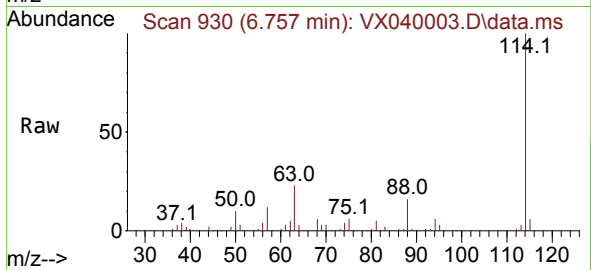




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

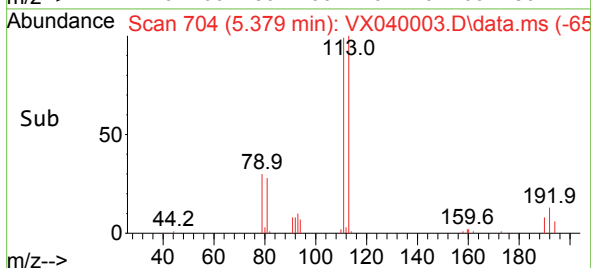
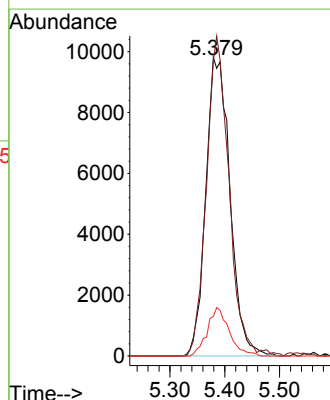
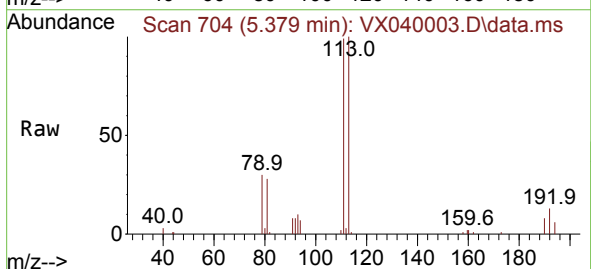
Instrument :
MSVOA_X
ClientSampleId :
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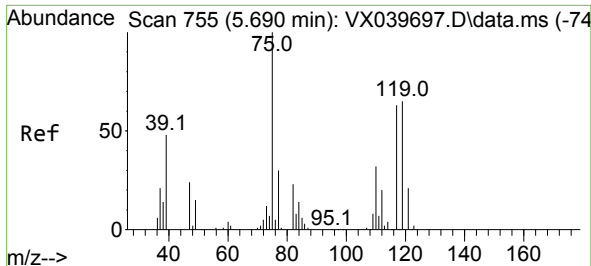
Tgt Ion:114 Resp: 86910
Ion Ratio Lower Upper
114 100
63 23.5 0.0 45.0
88 15.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.340 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.006 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion:113 Resp: 30053
Ion Ratio Lower Upper
113 100
111 99.3 82.9 124.3
192 14.7 13.3 19.9

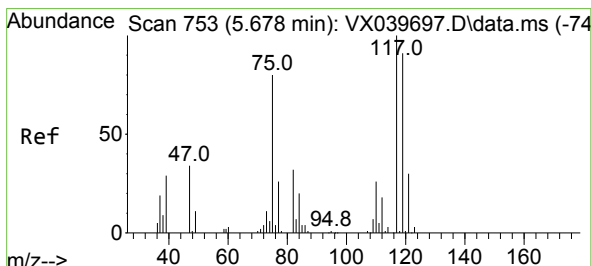
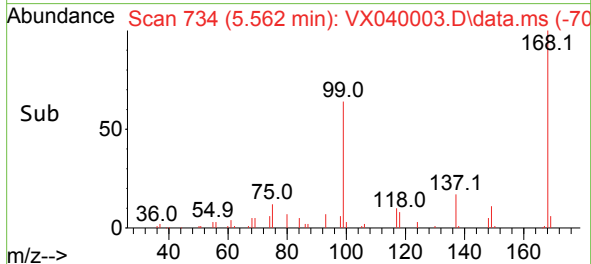
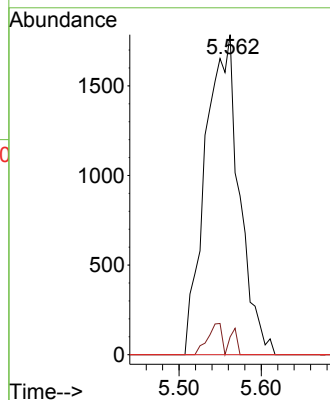
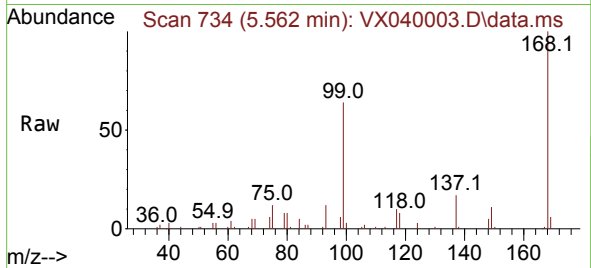




#36
1,1-Dichloropropene
Concen: 5.605 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.128 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

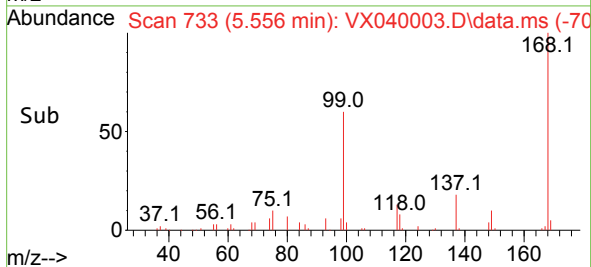
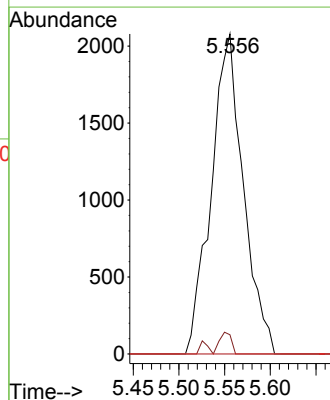
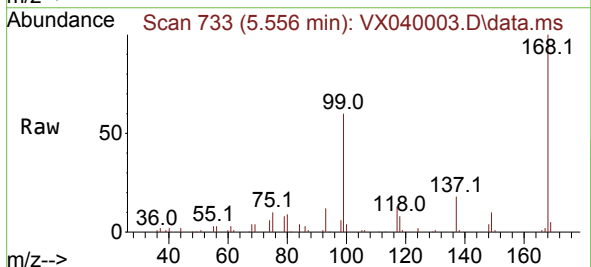
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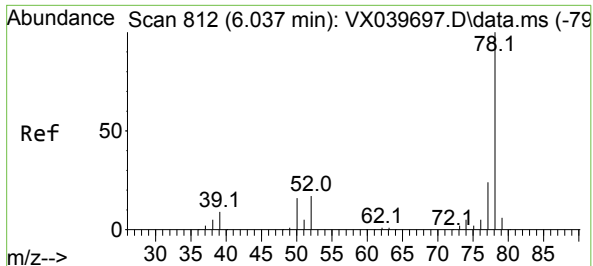
Tgt Ion: 75 Resp: 5107
Ion Ratio Lower Upper
75 100
110 1.8 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.105 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion: 117 Resp: 5095
Ion Ratio Lower Upper
117 100
119 6.0 78.2 117.2#
121 0.0 24.4 36.6#

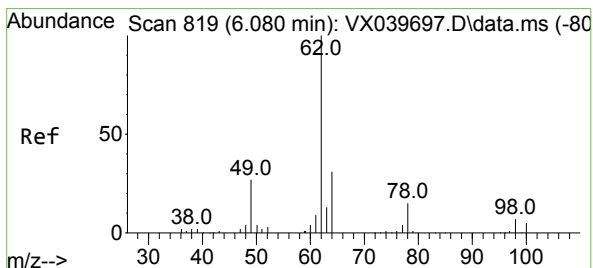
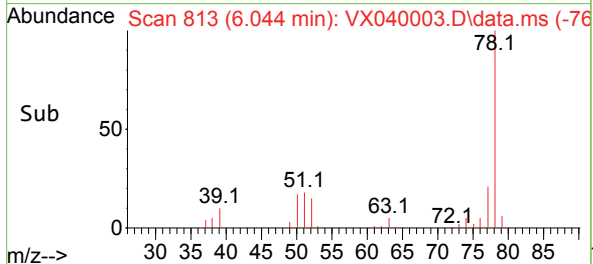
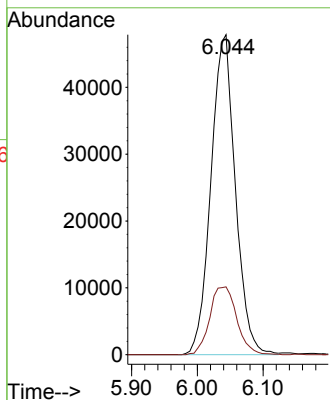
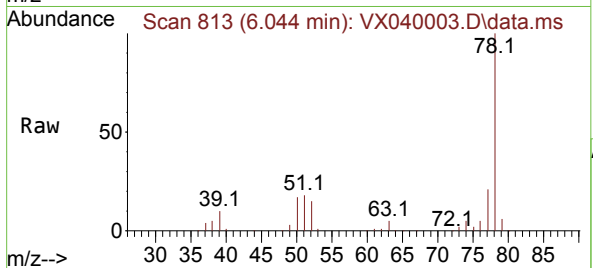




#40
Benzene
Concen: 47.974 ug/l
RT: 6.044 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

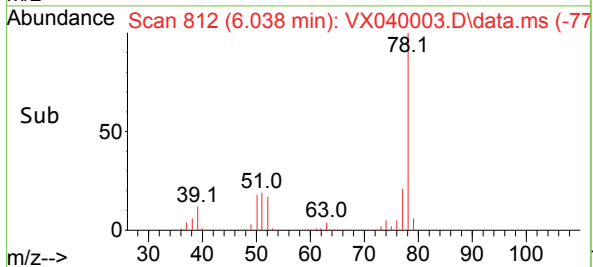
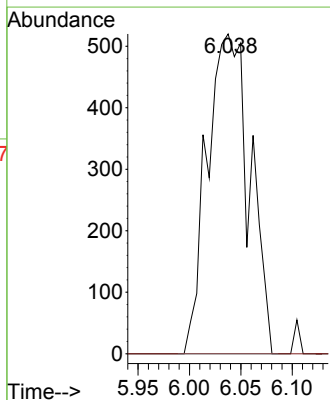
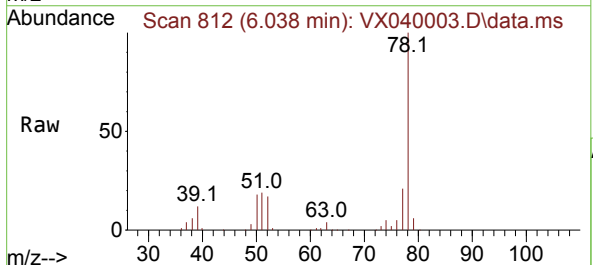
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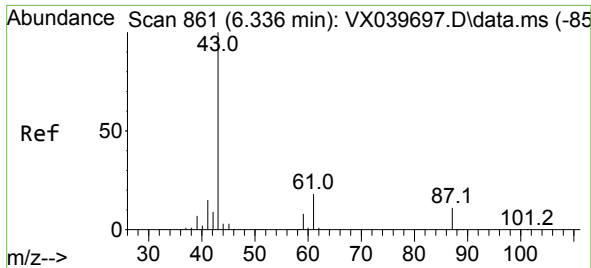
Tgt Ion: 78 Resp: 123778
Ion Ratio Lower Upper
78 100
77 21.2 19.3 28.9



#42
1,2-Dichloroethane
Concen: 1.527 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.043 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion: 62 Resp: 1498
Ion Ratio Lower Upper
62 100
98 0.0 0.0 16.0

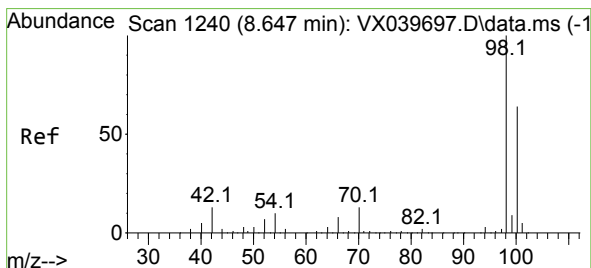
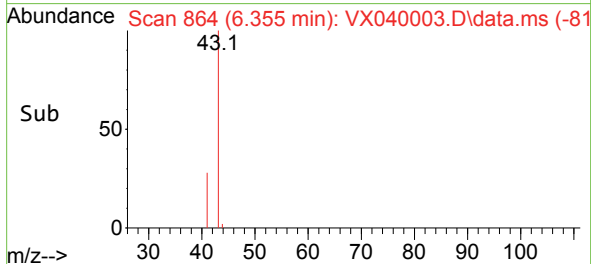
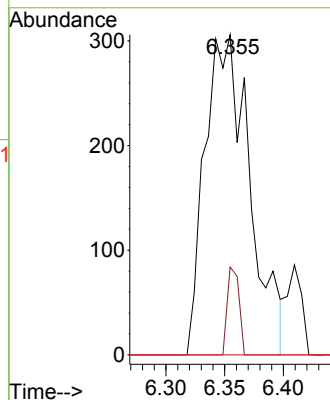
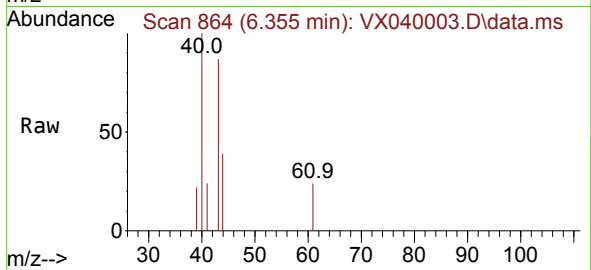




#43
Isopropyl Acetate
Concen: 0.455 ug/l
RT: 6.355 min Scan# 861
Delta R.T. 0.018 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

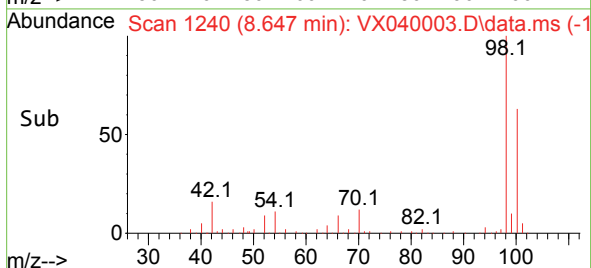
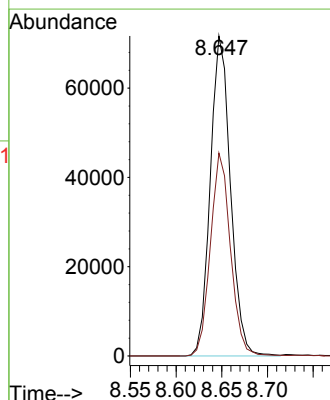
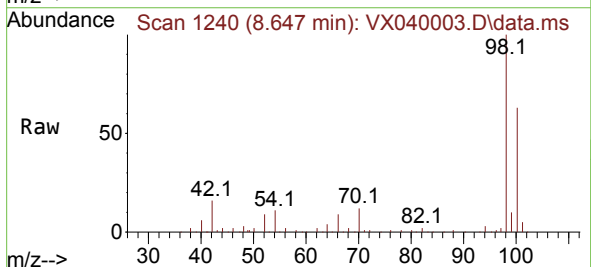
Instrument :
MSVOA_X
ClientSampleId :
S-1

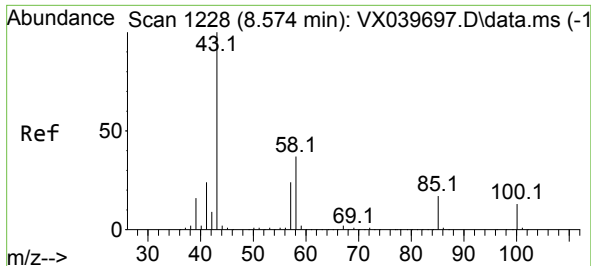
Tgt Ion: 43 Resp: 811
Ion Ratio Lower Upper
43 100
61 7.2 15.2 22.8#
87 0.0 9.8 14.6#



#50
Toluene-d8
Concen: 49.856 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion: 98 Resp: 110072
Ion Ratio Lower Upper
98 100
100 63.1 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 0.313 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX040003.D

Acq: 29 Jan 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

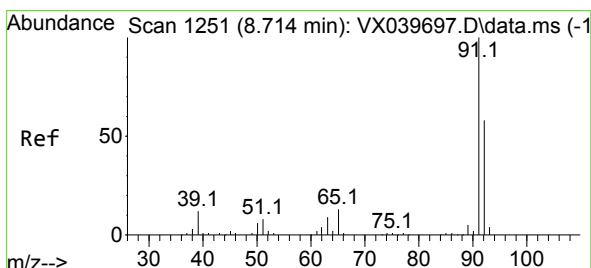
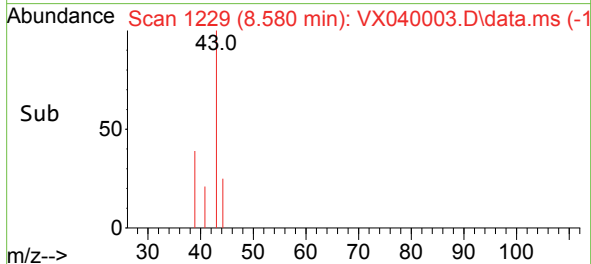
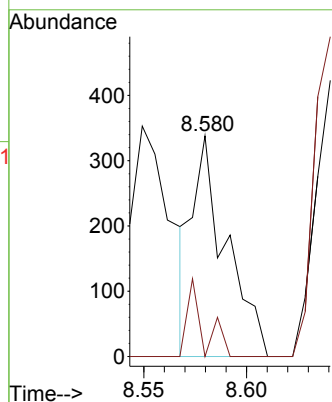
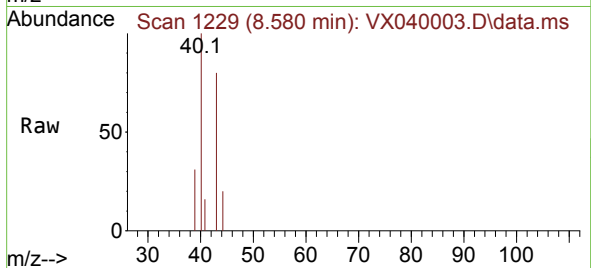
S-1

Tgt Ion: 43 Resp: 385

Ion Ratio Lower Upper

43 100

58 16.9 30.4 45.6#



#52

Toluene

Concen: 23.233 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX040003.D

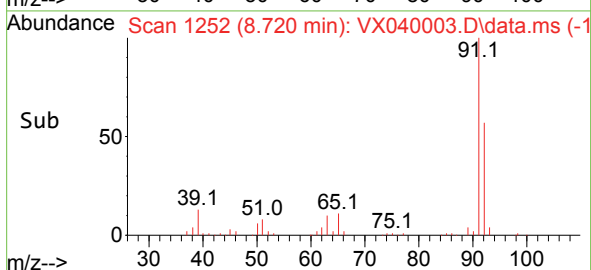
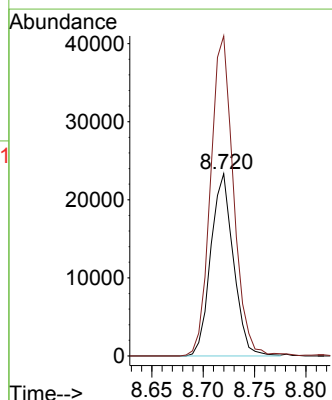
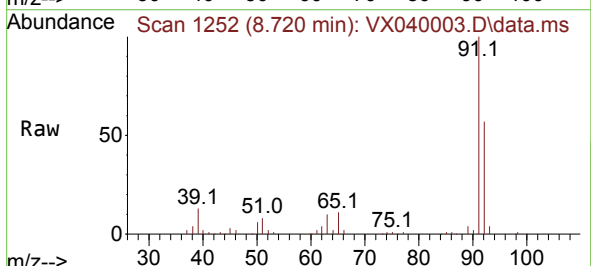
Acq: 29 Jan 2024 17:52

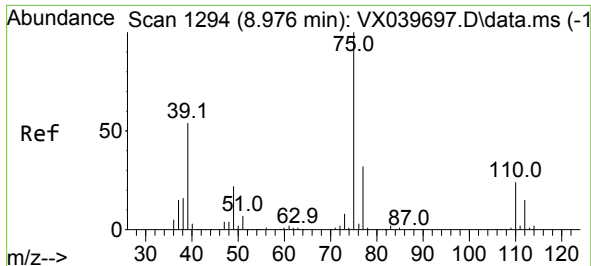
Tgt Ion: 92 Resp: 35804

Ion Ratio Lower Upper

92 100

91 178.0 134.2 201.2

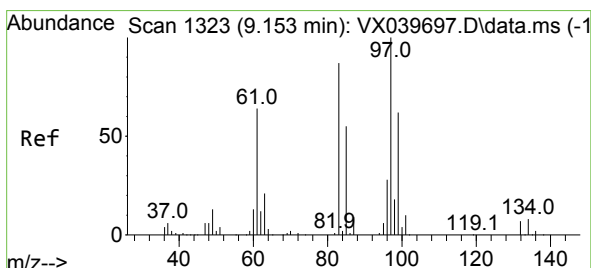
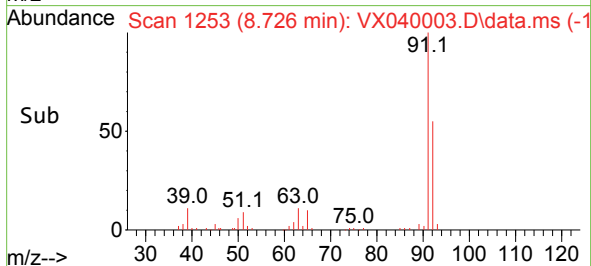
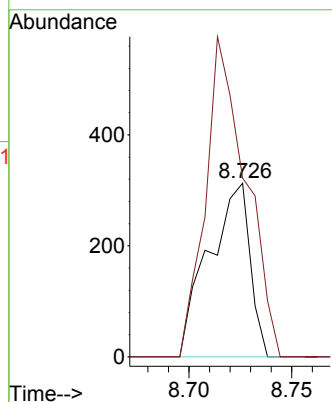
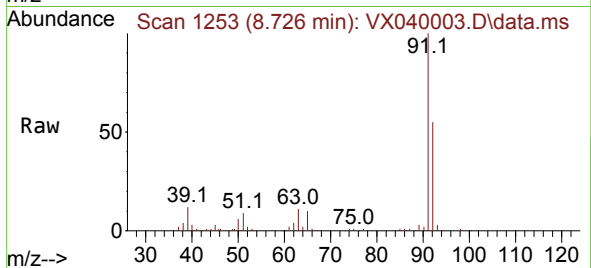




#53
t-1,3-Dichloropropene
Concen: 0.464 ug/l
RT: 8.726 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

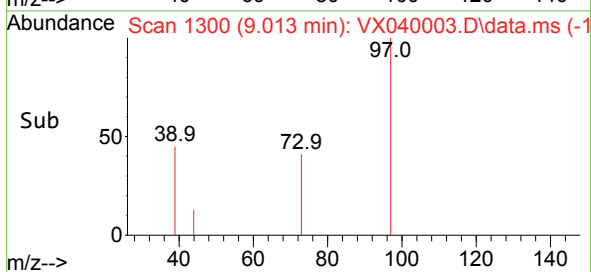
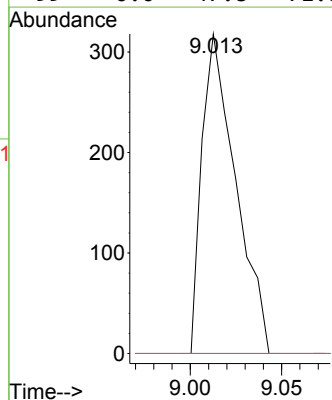
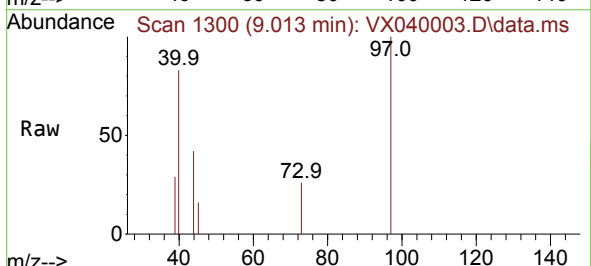
Instrument :
MSVOA_X
ClientSampleId :
S-1

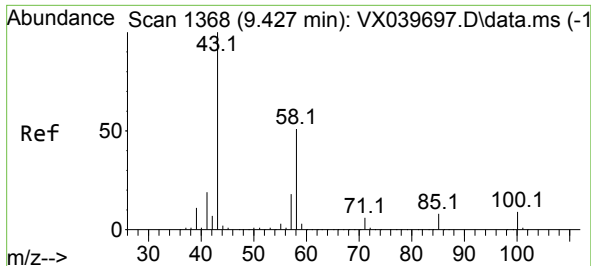
Tgt Ion: 75 Resp: 436
Ion Ratio Lower Upper
75 100
77 102.9 25.7 38.5#



#55
1,1,2-Trichloroethane
Concen: 0.623 ug/l
RT: 9.013 min Scan# 1300
Delta R.T. -0.140 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion: 97 Resp: 409
Ion Ratio Lower Upper
97 100
83 0.0 65.8 98.8#
85 0.0 41.6 62.4#
99 0.0 47.8 71.8#

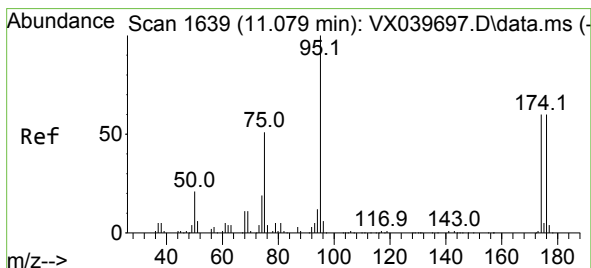
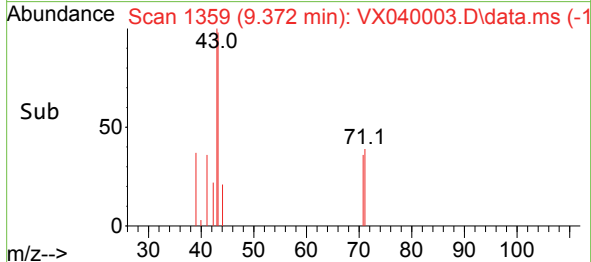
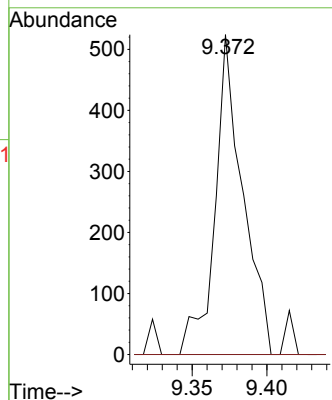
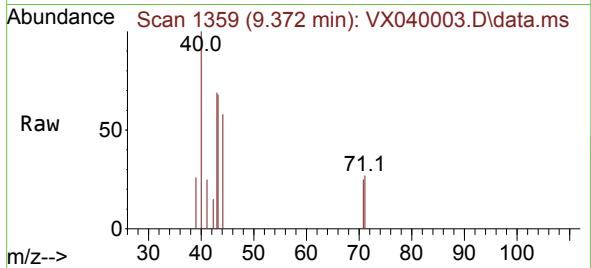




#59
2-Hexanone
Concen: 0.695 ug/l
RT: 9.372 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

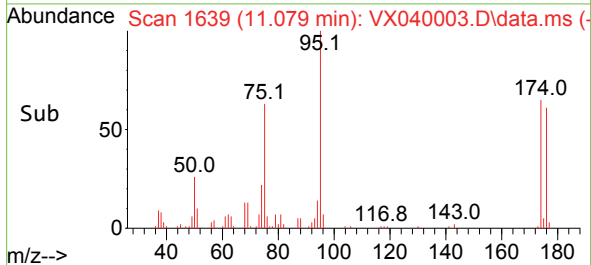
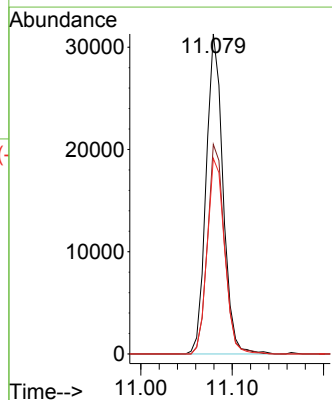
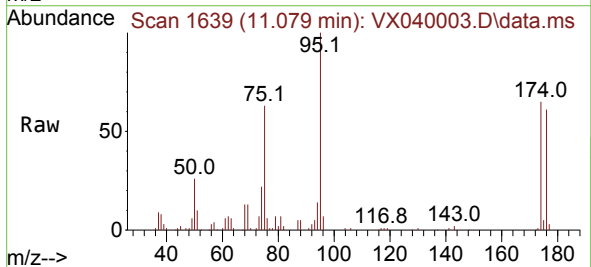
Instrument :
MSVOA_X
ClientSampleId :
S-1

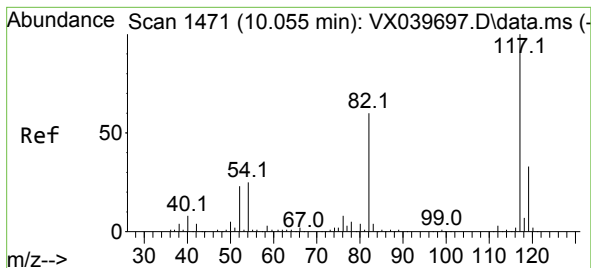
Tgt Ion: 43 Resp: 676
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#



#62
4-Bromofluorobenzene
Concen: 46.241 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion: 95 Resp: 39922
Ion Ratio Lower Upper
95 100
174 66.2 0.0 135.6
176 63.1 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX040003.D

Acq: 29 Jan 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

S-1

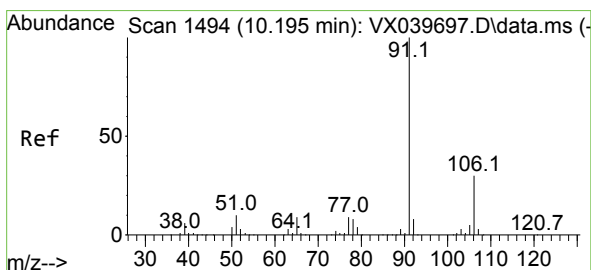
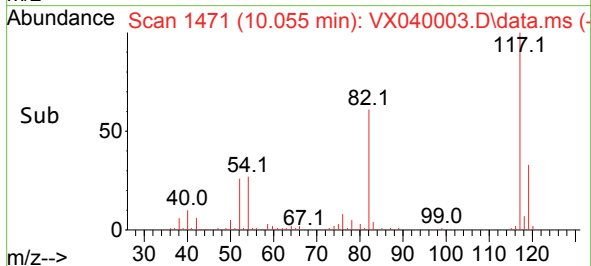
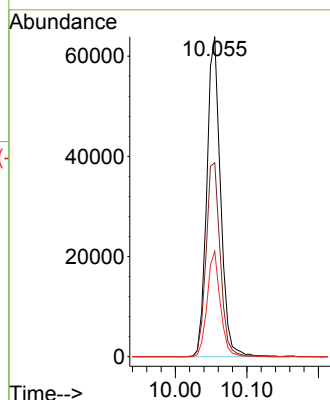
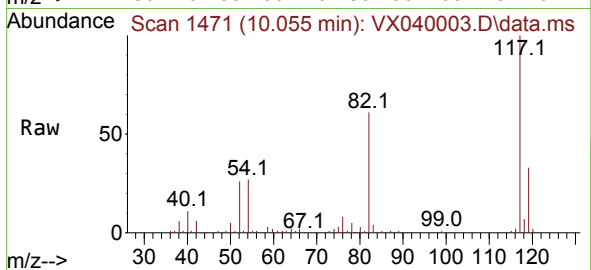
Tgt Ion:117 Resp: 85305

Ion Ratio Lower Upper

117 100

82 60.6 46.2 69.4

119 32.9 25.5 38.3



#67

Ethyl Benzene

Concen: 1.192 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX040003.D

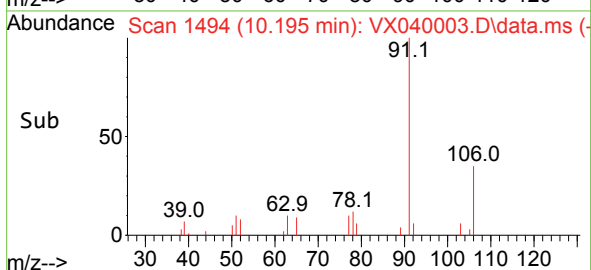
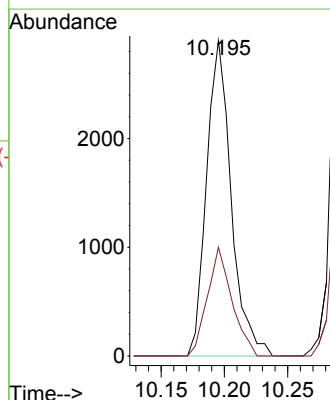
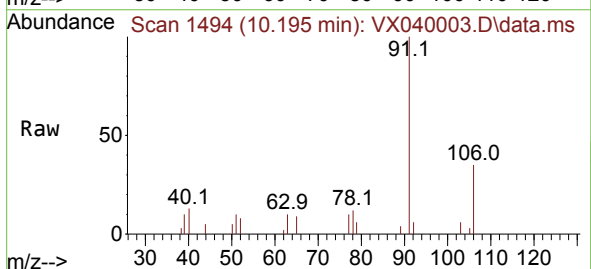
Acq: 29 Jan 2024 17:52

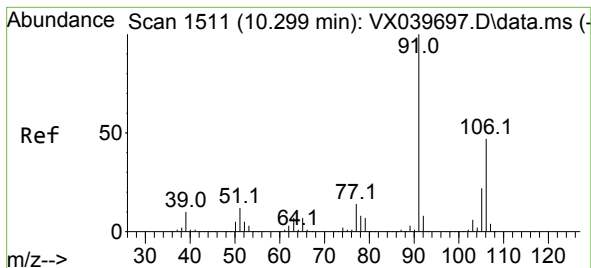
Tgt Ion: 91 Resp: 3932

Ion Ratio Lower Upper

91 100

106 34.5 24.9 37.3

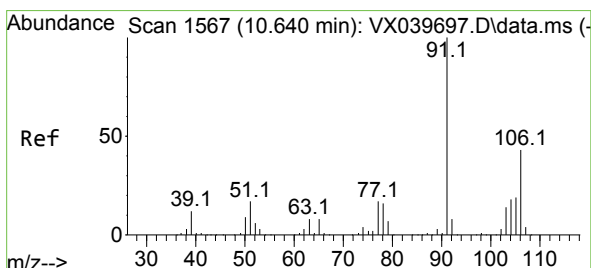
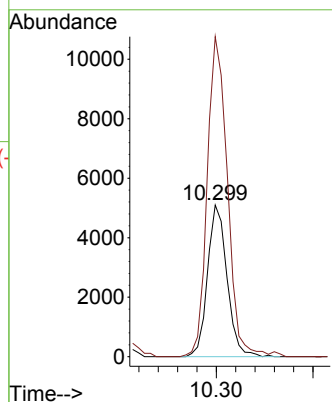
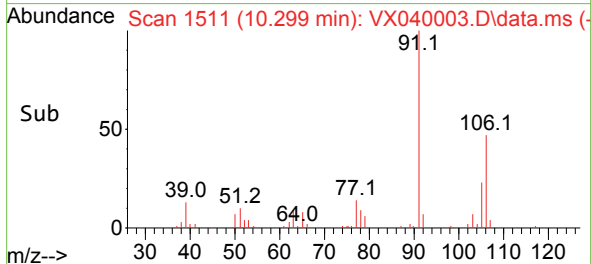
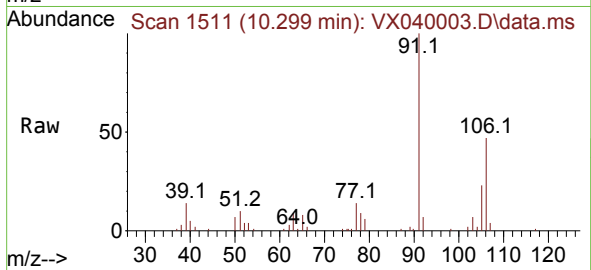




#68
m/p-Xylenes
Concen: 5.893 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

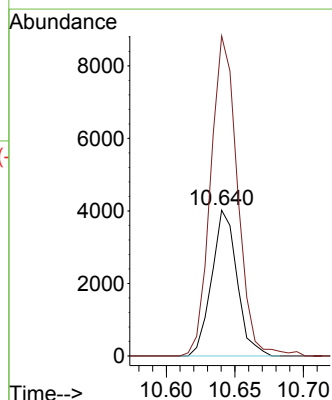
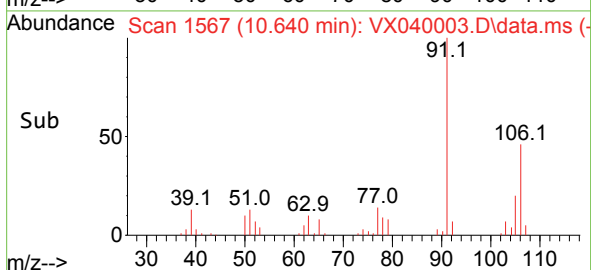
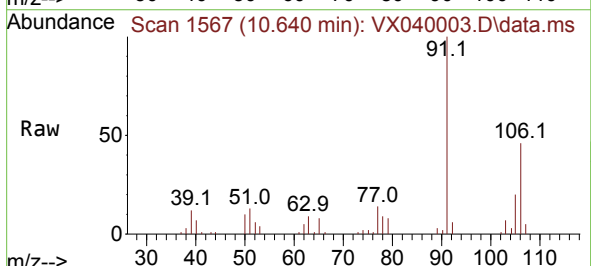
Instrument :
MSVOA_X
ClientSampleId :
S-1

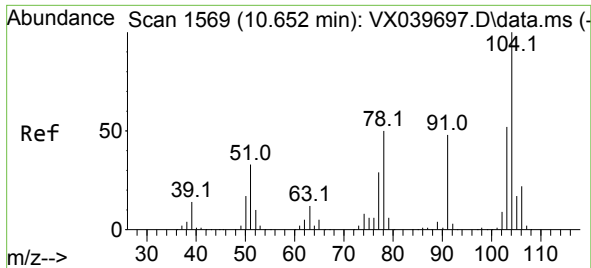
Tgt Ion:106 Resp: 7149
Ion Ratio Lower Upper
106 100
91 219.4 165.5 248.3



#69
o-Xylene
Concen: 4.303 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion:106 Resp: 5170
Ion Ratio Lower Upper
106 100
91 233.1 108.9 326.8

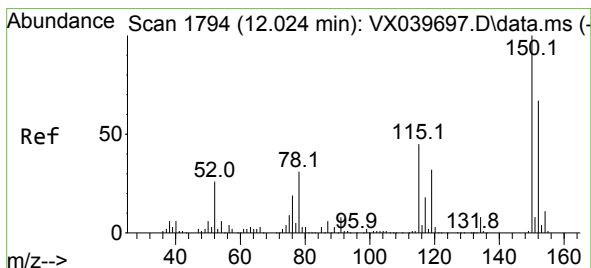
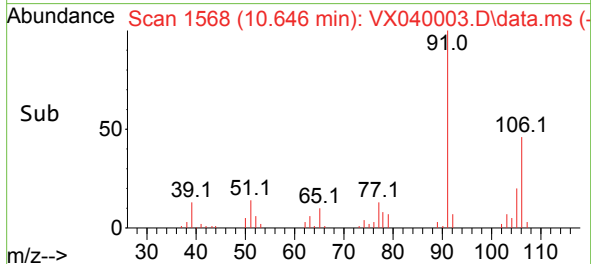
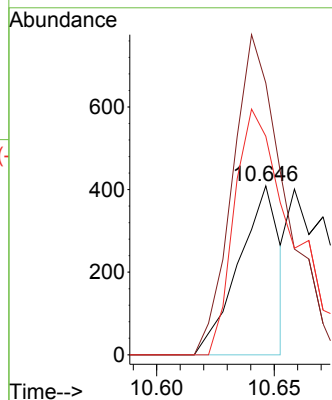
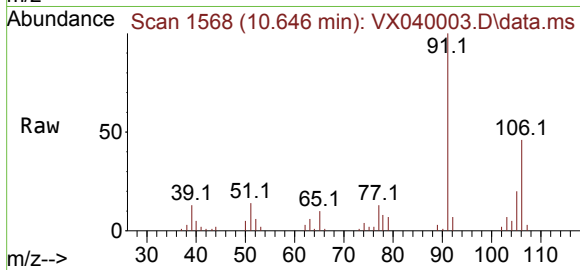




#70
Styrene
Concen: 0.252 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

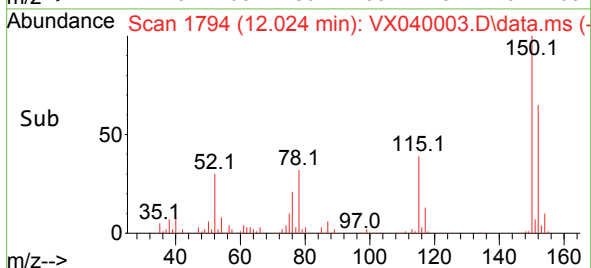
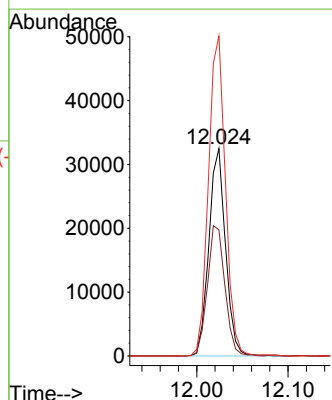
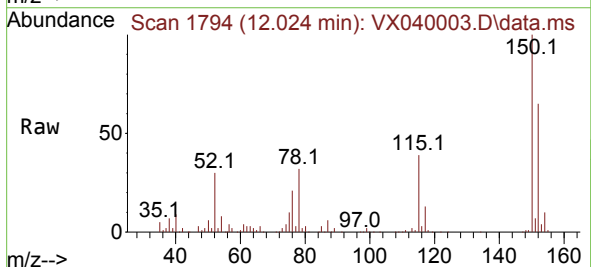
Instrument :
MSVOA_X
ClientSampleId :
S-1

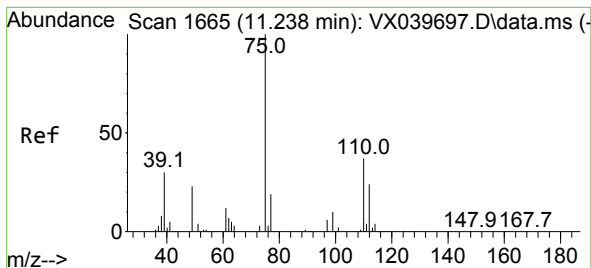
Tgt Ion:104 Resp: 494
Ion Ratio Lower Upper
104 100
78 247.0 43.6 65.4#
103 205.5 43.6 65.4#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX040003.D
Acq: 29 Jan 2024 17:52

Tgt Ion:152 Resp: 41071
Ion Ratio Lower Upper
152 100
115 65.9 43.3 129.9
150 157.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 22.810 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040003.D

Acq: 29 Jan 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

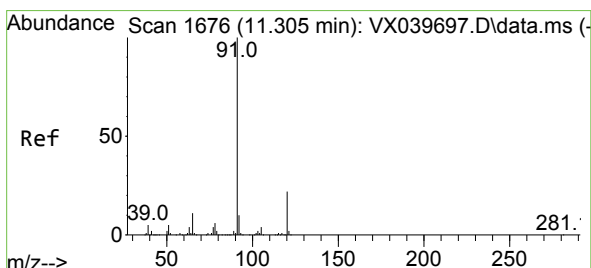
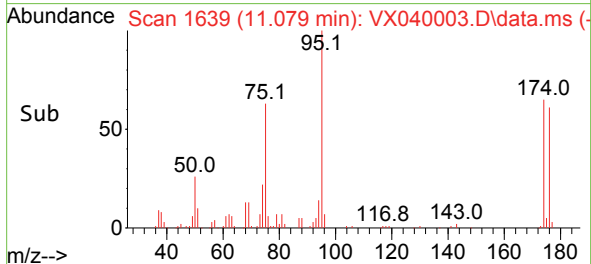
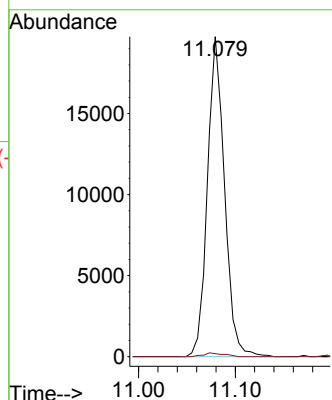
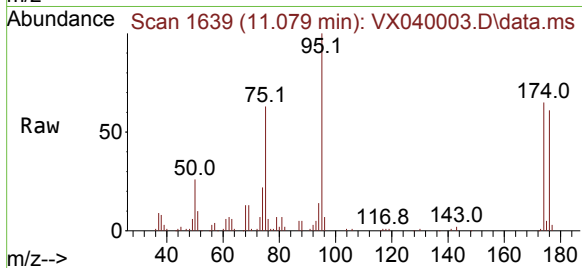
S-1

Tgt Ion: 75 Resp: 24288

Ion Ratio Lower Upper

75 100

77 1.4 19.1 57.5#



#78

n-propylbenzene

Concen: 0.222 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX040003.D

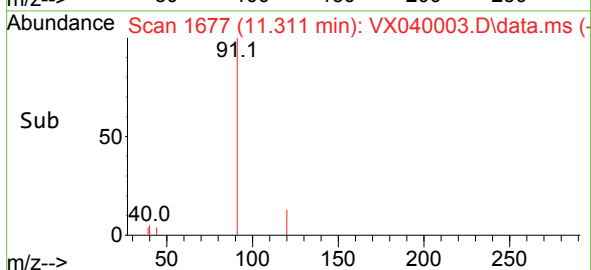
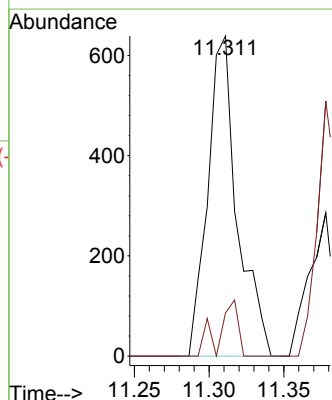
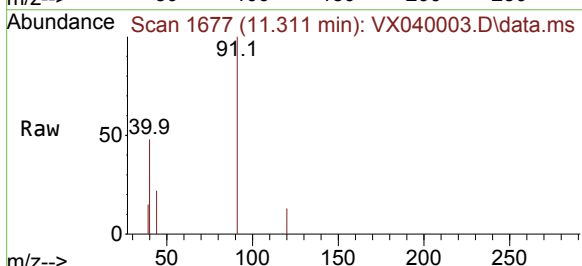
Acq: 29 Jan 2024 17:52

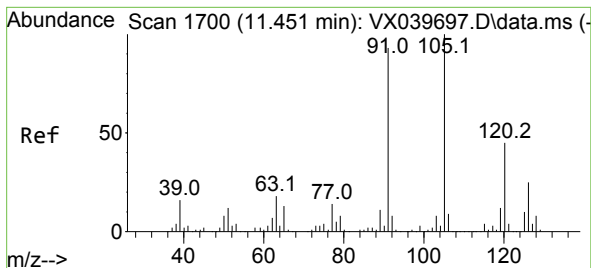
Tgt Ion: 91 Resp: 877

Ion Ratio Lower Upper

91 100

120 11.4 11.5 34.4#





#80

1,3,5-Trimethylbenzene

Concen: 0.563 ug/l

RT: 11.457 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040003.D

Acq: 29 Jan 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

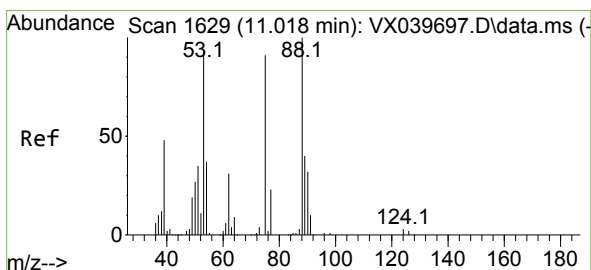
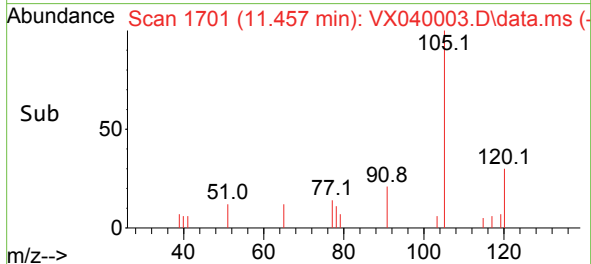
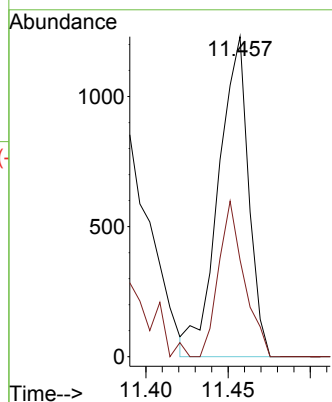
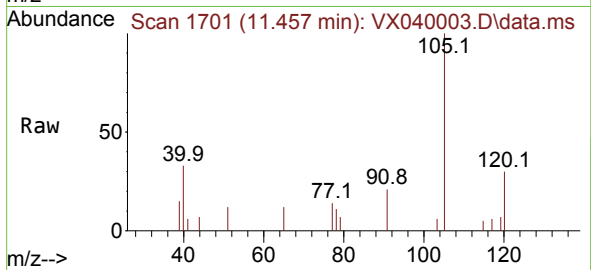
S-1

Tgt Ion:105 Resp: 1563

Ion Ratio Lower Upper

105 100

120 41.2 24.1 72.3



#81

trans-1,4-Dichloro-2-butene

Concen: 65.929 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040003.D

Acq: 29 Jan 2024 17:52

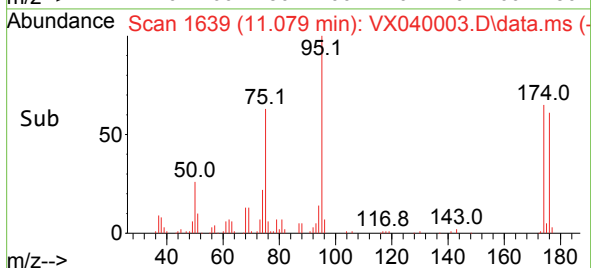
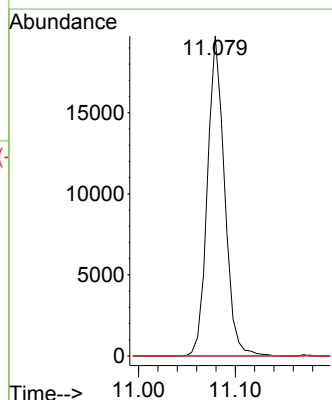
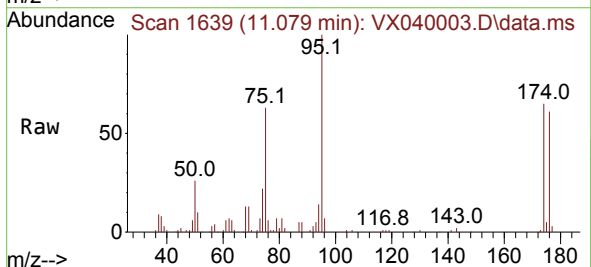
Tgt Ion: 75 Resp: 24288

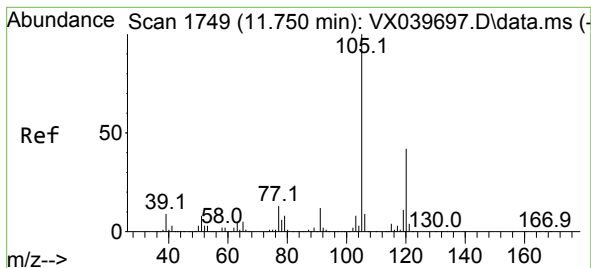
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 1.896 ug/l

RT: 11.756 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX040003.D

Acq: 29 Jan 2024 17:52

Instrument :

MSVOA_X

ClientSampleId :

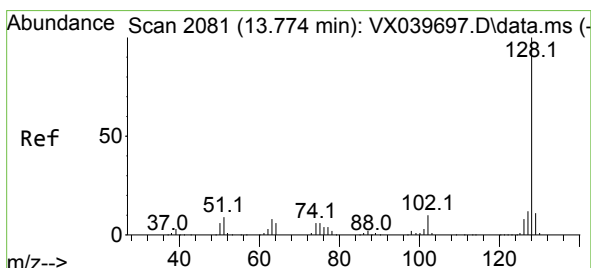
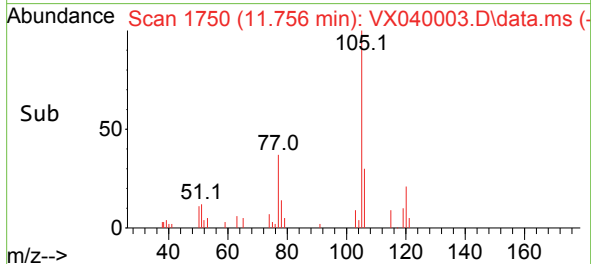
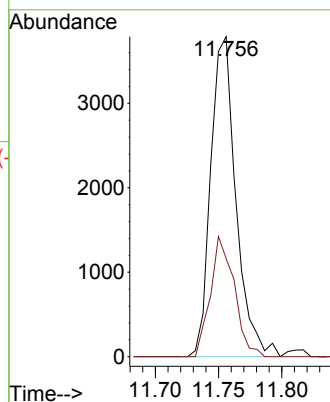
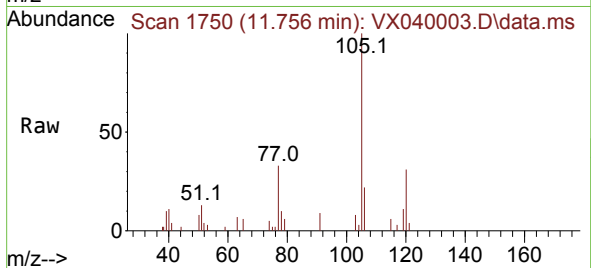
S-1

Tgt Ion:105 Resp: 5253

Ion Ratio Lower Upper

105 100

120 35.5 21.2 63.6



#95

Naphthalene

Concen: 17.846 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX040003.D

Acq: 29 Jan 2024 17:52

Tgt Ion:128 Resp: 55393

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

129 10.8 8.8 13.2

