

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021924\
 Data File : VX040339.D
 Acq On : 19 Feb 2024 18:30
 Operator : JC/MD
 Sample : P1440-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TW-2

Quant Time: Feb 20 01:20:20 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X020924W.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 12 00:21:14 2024
 Response via : Initial Calibration

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

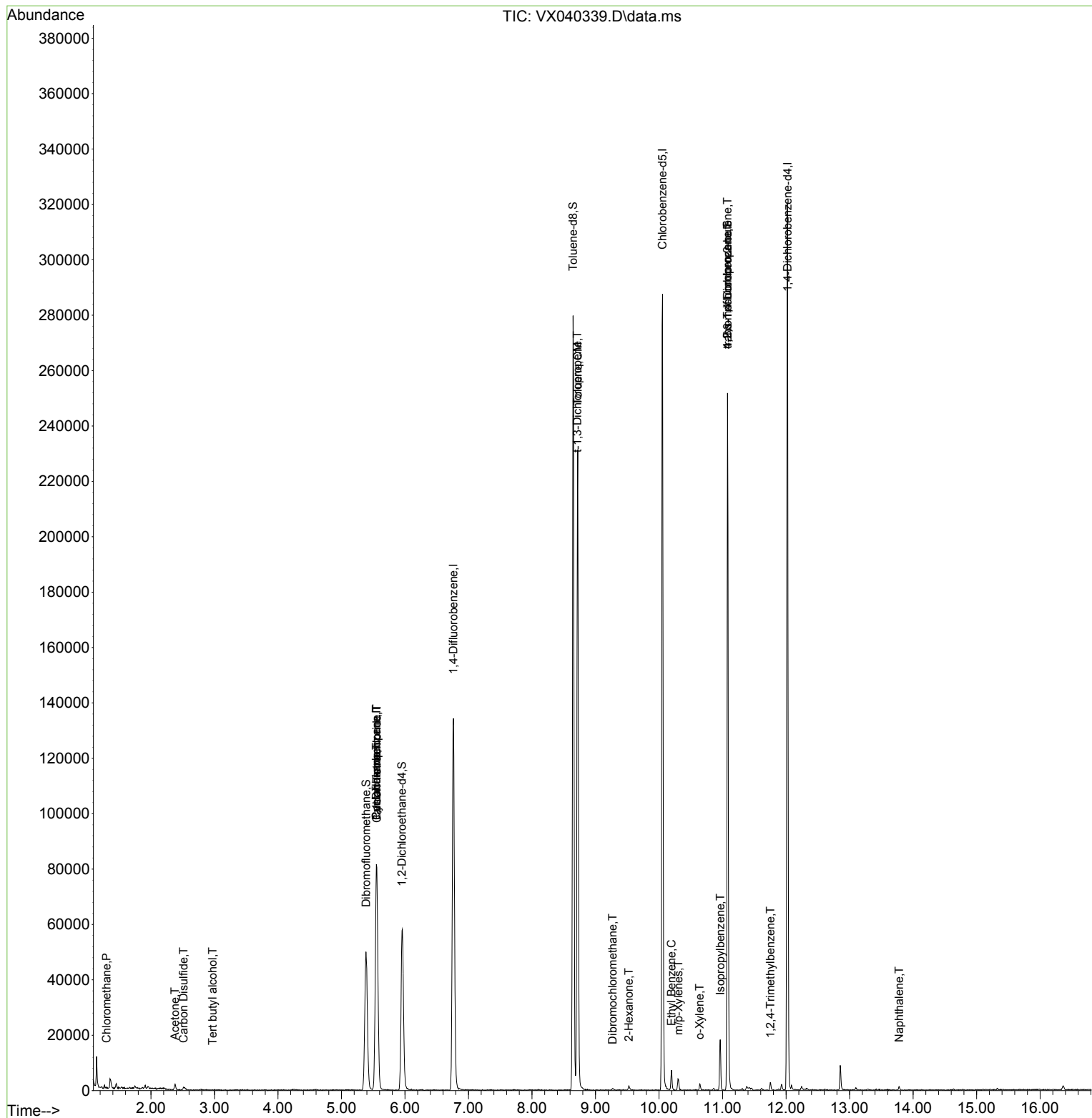
Internal Standards						
1) Pentafluorobenzene	5.550	168	74742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	134473	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	128340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65899	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	56792	51.075	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.140%
35) Dibromofluoromethane	5.385	113	43434	46.251	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.500%
50) Toluene-d8	8.647	98	162710	46.319	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	92.640%
62) 4-Bromofluorobenzene	11.079	95	64504	45.023	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	90.040%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	227	0.261	ug/l	93
11) Tert butyl alcohol	2.971	59	90	0.416	ug/l #	78
16) Acetone	2.380	43	2165	4.741	ug/l	94
17) Carbon Disulfide	2.514	76	1077	0.535	ug/l #	87
20) Methylene Chloride	2.794	84	81	Below Cal	#	22
31) Cyclohexane	5.550	56	1789	1.349	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	6743	5.126	ug/l #	51
38) Carbon Tetrachloride	5.556	117	7968	6.370	ug/l #	15
52) Toluene	8.720	92	83117	34.494	ug/l	92
53) t-1,3-Dichloropropene	8.714	75	949	2.515	ug/l #	1
59) 2-Hexanone	9.525	43	284	0.230	ug/l #	26
60) Dibromochloromethane	9.269	129	238	0.227	ug/l #	11
67) Ethyl Benzene	10.195	91	3958	0.830	ug/l	97
68) m/p-Xylenes	10.305	106	1177	0.653	ug/l	99
69) o-Xylene	10.640	106	480	0.274	ug/l	67
73) Isopropylbenzene	10.963	105	9689	2.087	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	35308	26.458	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	35308	72.573	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1417	0.358	ug/l	92
95) Naphthalene	13.780	128	1116	0.245	ug/l #	89

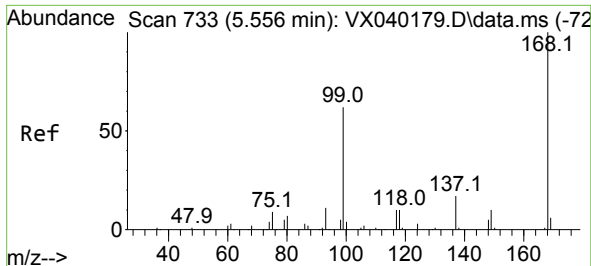
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Feb 12 00:21:14 2024
Response via : Initial Calibration

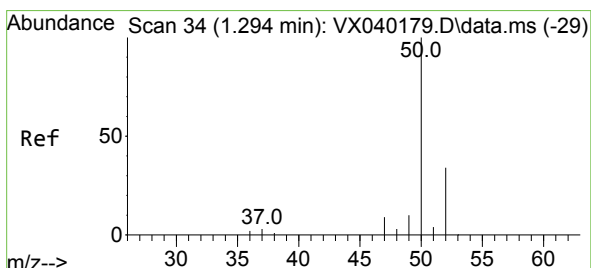
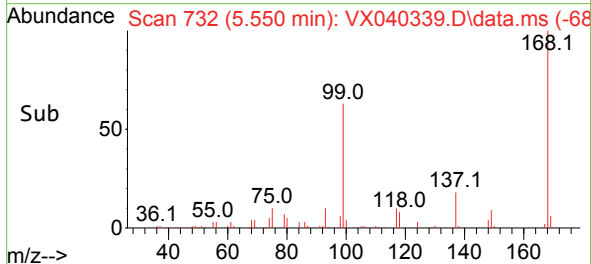
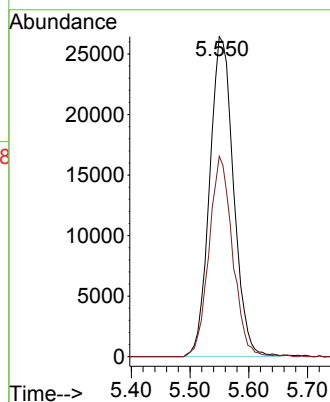
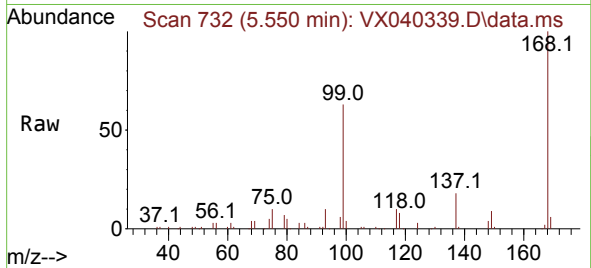




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

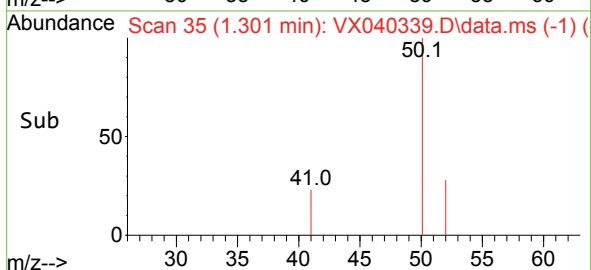
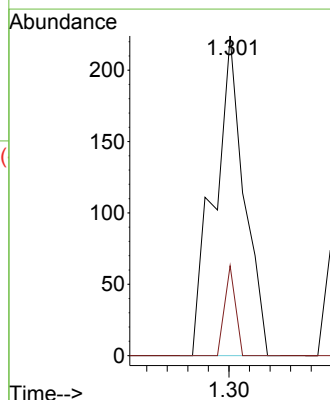
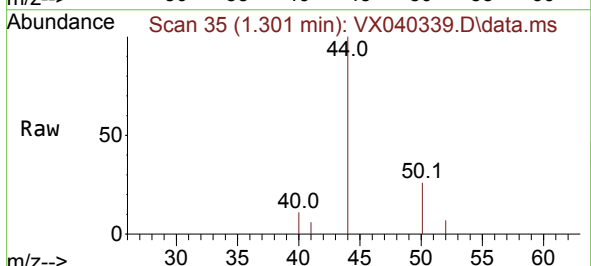
Instrument :
MSVOA_X
ClientSampleId :
TW-2

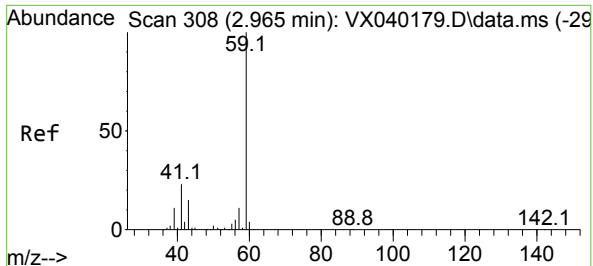
Tgt Ion:168 Resp: 74742
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0



#3
Chloromethane
Concen: 0.261 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.006 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 50 Resp: 227
Ion Ratio Lower Upper
50 100
52 28.1 25.5 38.3

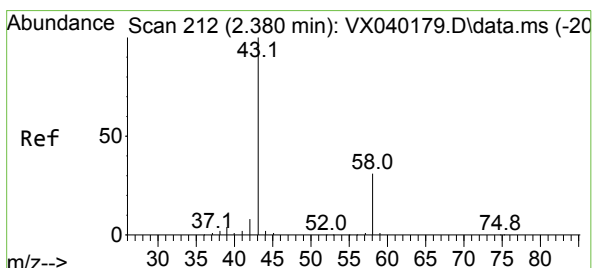
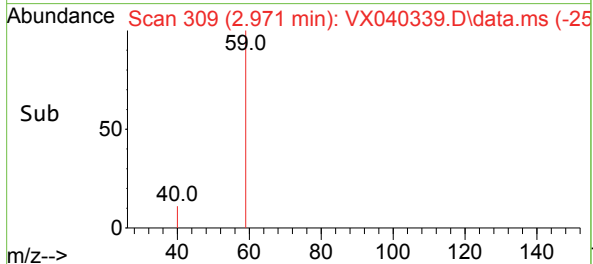
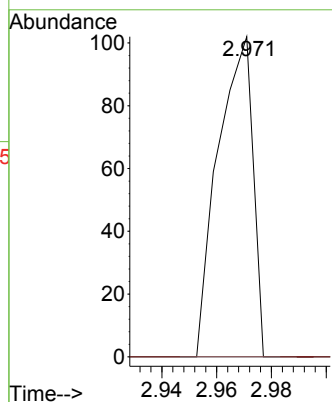
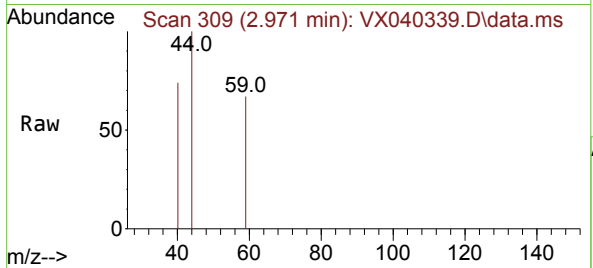




#11
Tert butyl alcohol
Concen: 0.416 ug/l
RT: 2.971 min Scan# 308
Delta R.T. 0.006 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

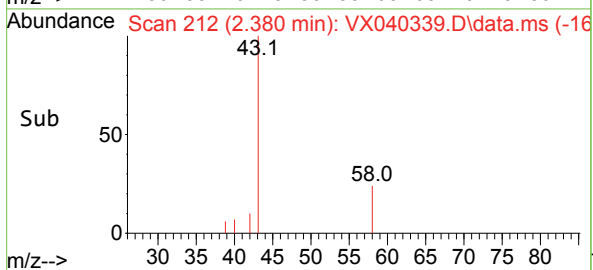
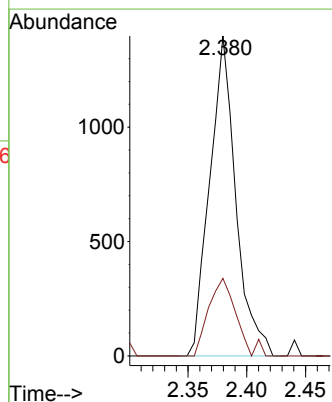
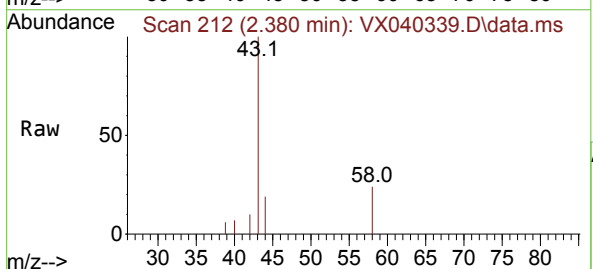
Instrument :
MSVOA_X
ClientSampleId :
TW-2

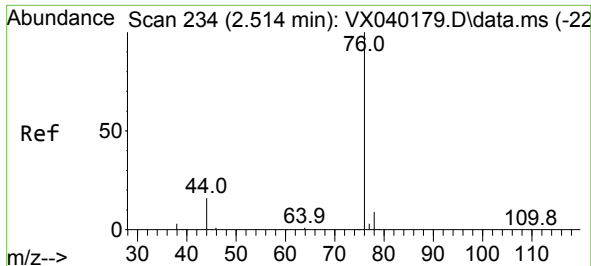
Tgt Ion: 59 Resp: 90
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 4.741 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 43 Resp: 2165
Ion Ratio Lower Upper
43 100
58 24.2 21.9 32.9

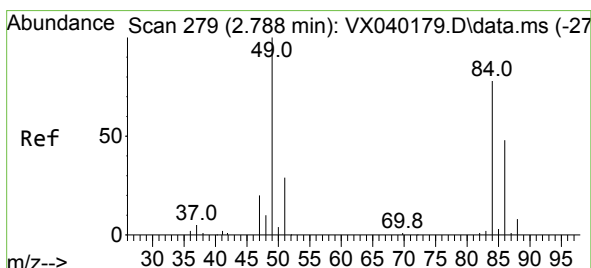
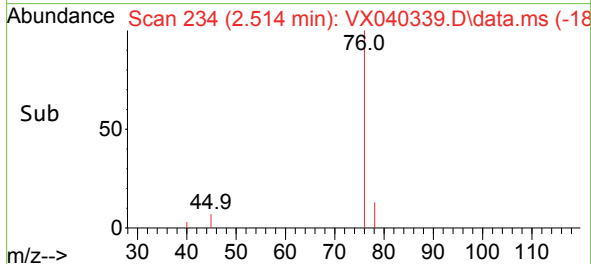
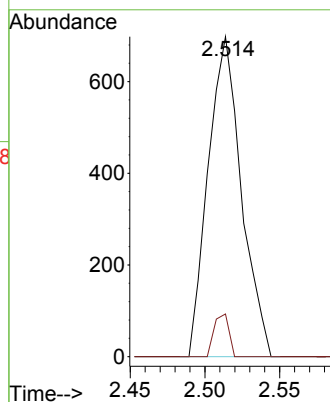
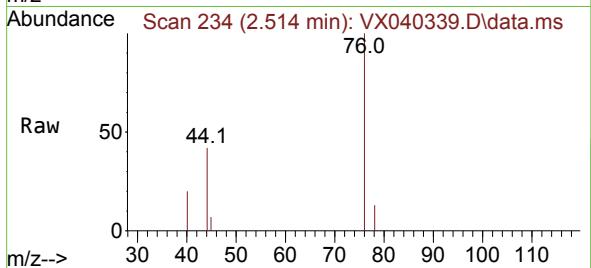




#17
Carbon Disulfide
Concen: 0.535 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

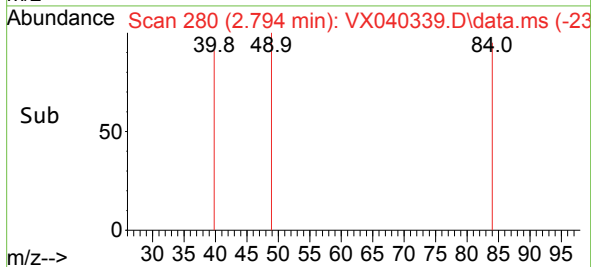
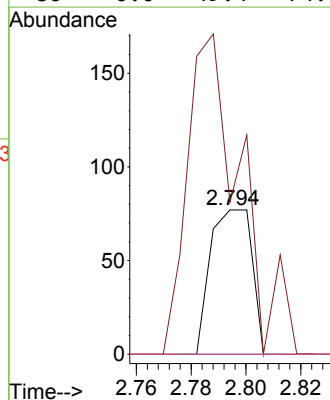
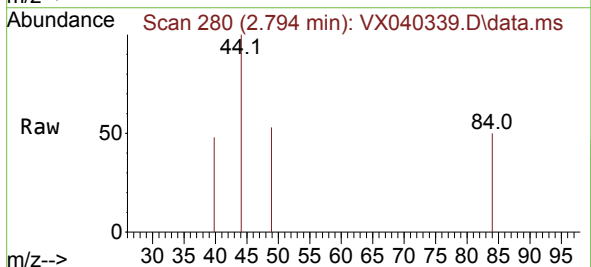
Instrument :
MSVOA_X
ClientSampleId :
TW-2

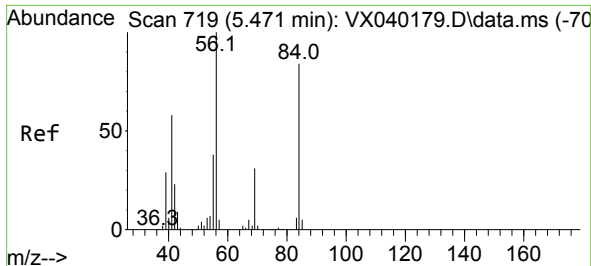
Tgt Ion: 76 Resp: 1077
Ion Ratio Lower Upper
76 100
78 13.3 7.0 10.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 84 Resp: 81
Ion Ratio Lower Upper
84 100
49 36.4 103.6 155.4#
51 0.0 33.8 50.6#
86 0.0 49.4 74.0#

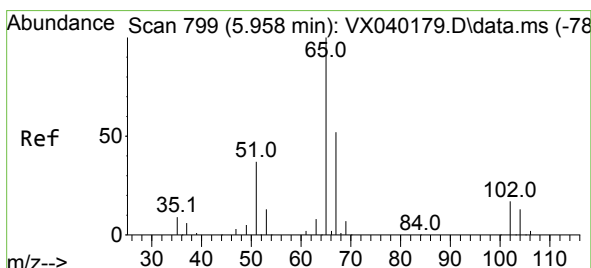
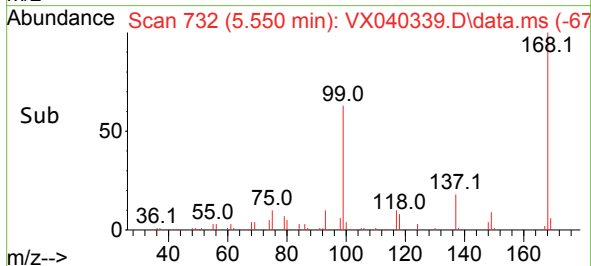
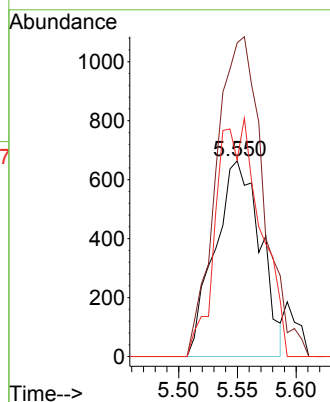
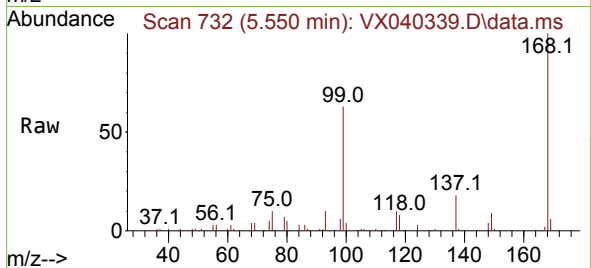




#31
Cyclohexane
Concen: 1.349 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

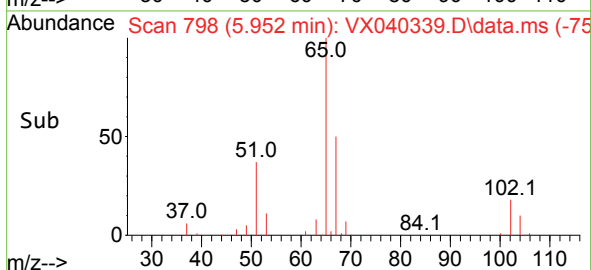
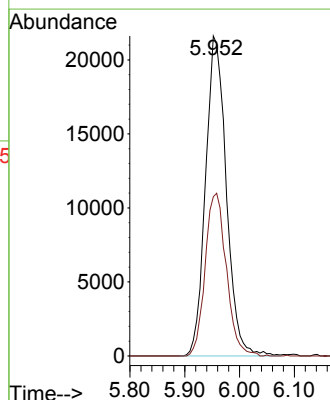
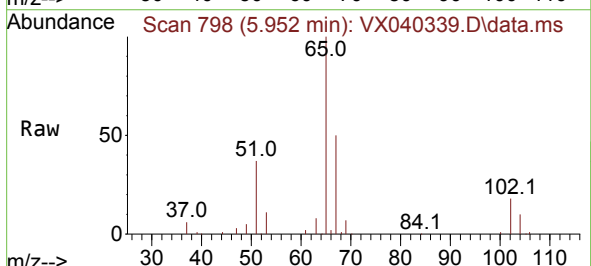
Instrument :
MSVOA_X
ClientSampleId :
TW-2

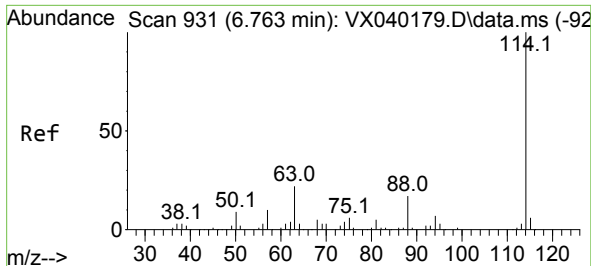
Tgt Ion: 56 Resp: 1789
Ion Ratio Lower Upper
56 100
69 160.2 23.4 35.2#
84 100.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 51.075 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 65 Resp: 56792
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

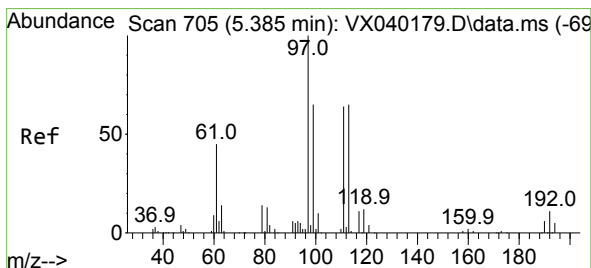
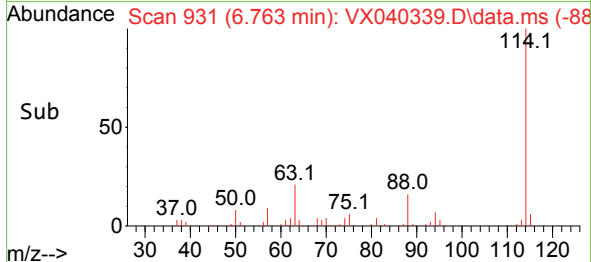
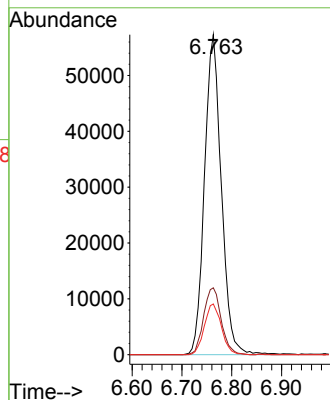
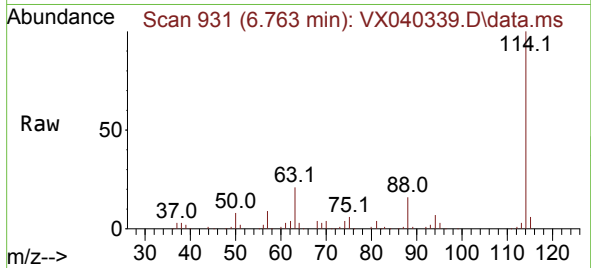




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

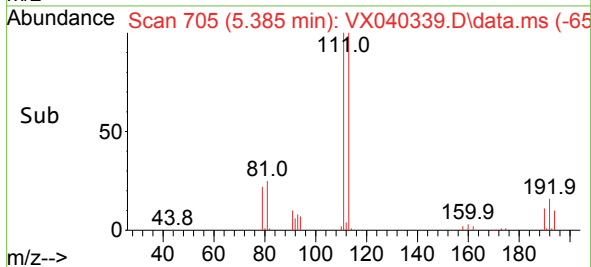
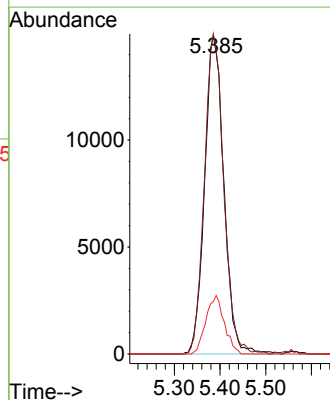
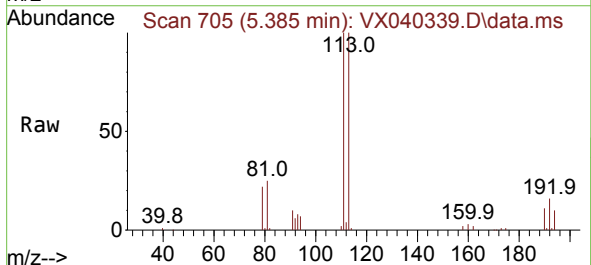
Instrument :
MSVOA_X
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TW-2

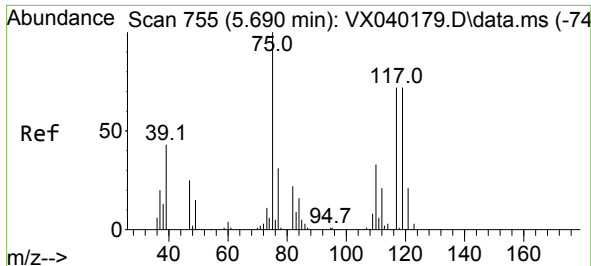
Tgt Ion:114 Resp: 134473
Ion Ratio Lower Upper
114 100
63 20.9 0.0 45.0
88 15.8 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.251 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion:113 Resp: 43434
Ion Ratio Lower Upper
113 100
111 101.4 82.9 124.3
192 17.6 13.3 19.9

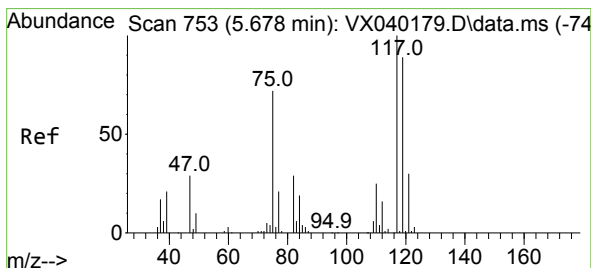
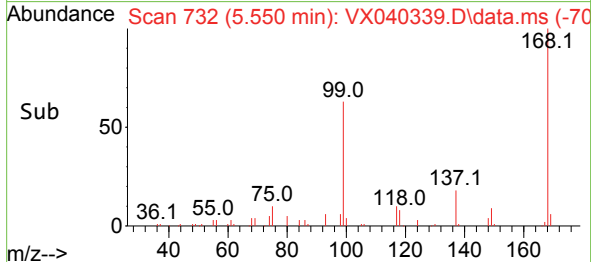
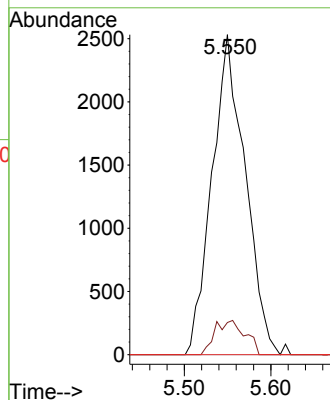
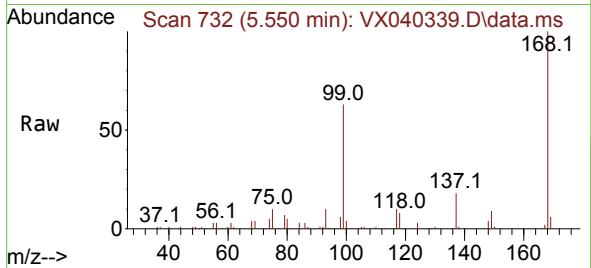




#36
1,1-Dichloropropene
Concen: 5.126 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

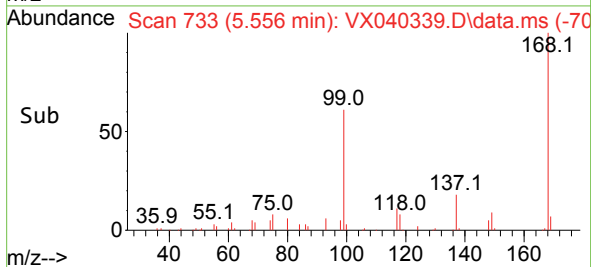
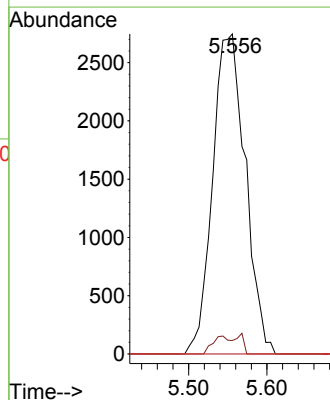
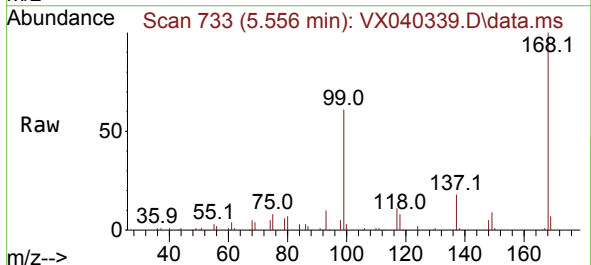
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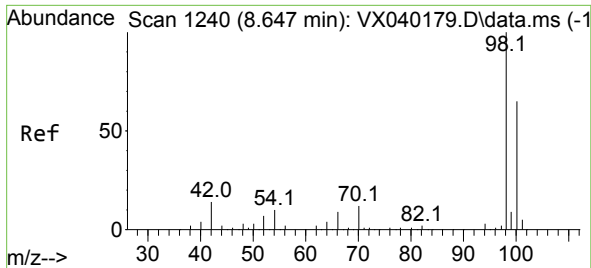
Tgt Ion: 75 Resp: 6743
Ion Ratio Lower Upper
75 100
110 9.7 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.370 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.116 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 117 Resp: 7968
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#

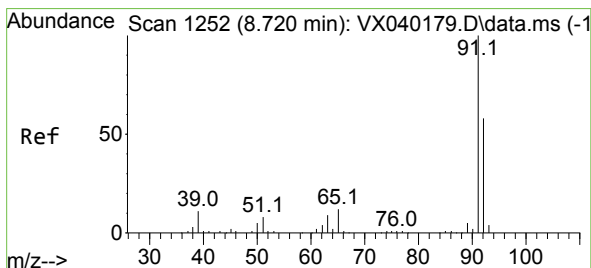
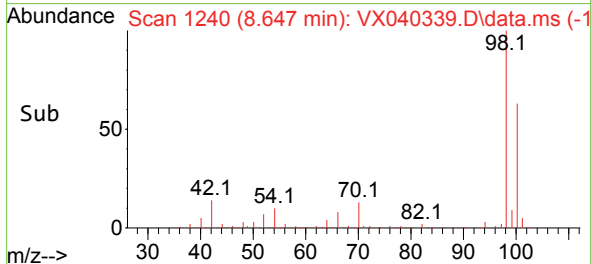
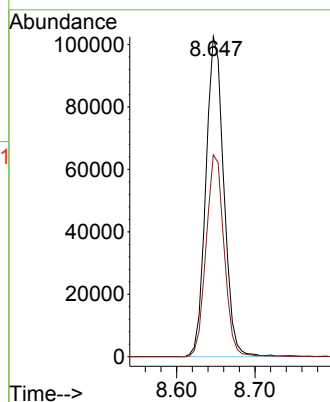
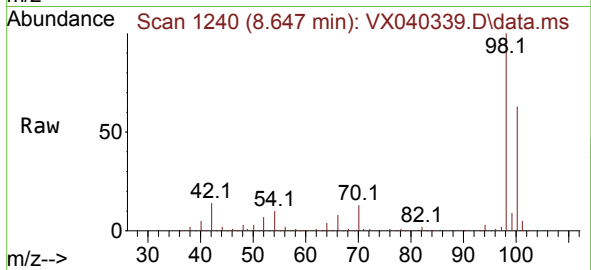




#50
Toluene-d8
Concen: 46.319 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

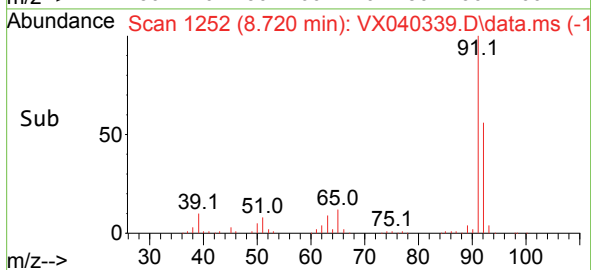
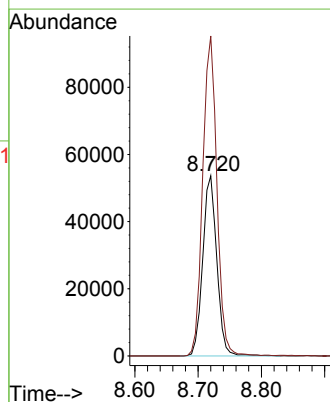
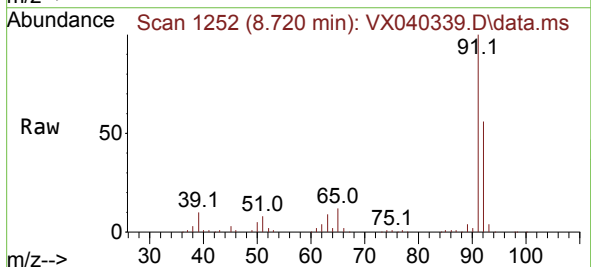
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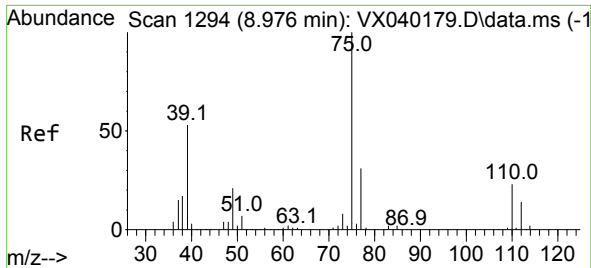
Tgt Ion: 98 Resp: 162710
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#52
Toluene
Concen: 34.494 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 92 Resp: 83117
Ion Ratio Lower Upper
92 100
91 178.8 134.2 201.2

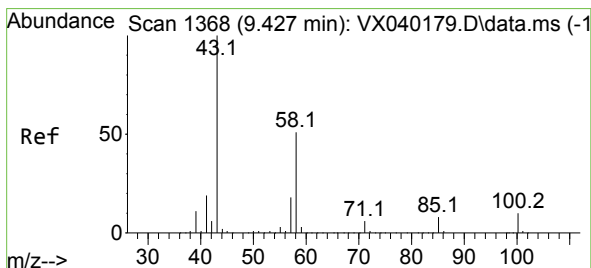
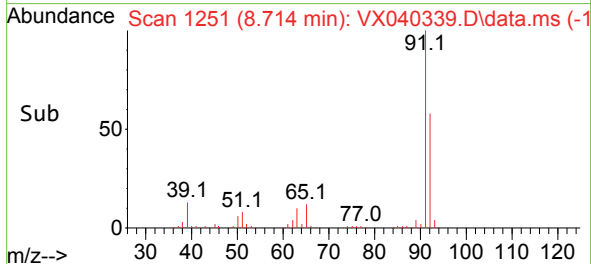
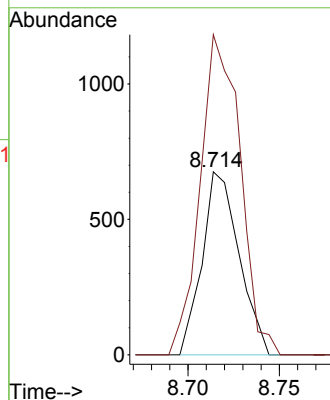
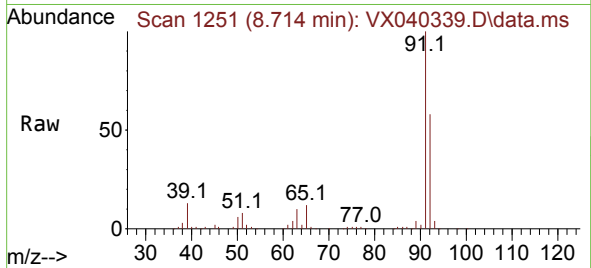




#53
t-1,3-Dichloropropene
Concen: 2.515 ug/l
RT: 8.714 min Scan# 11
Delta R.T. -0.262 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

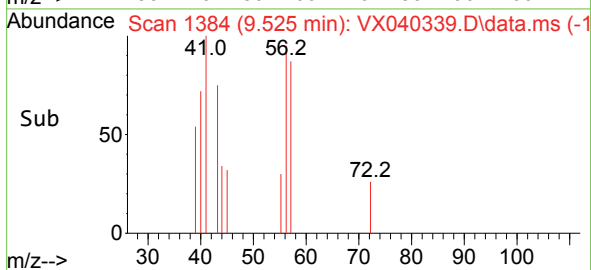
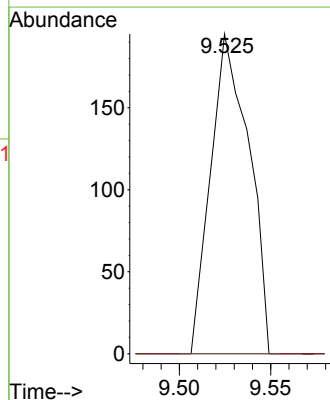
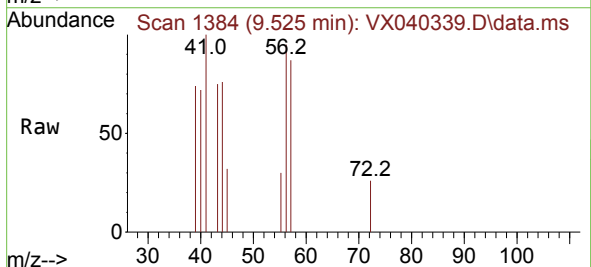
Instrument :
MSVOA_X
ClientSampleId :
TW-2

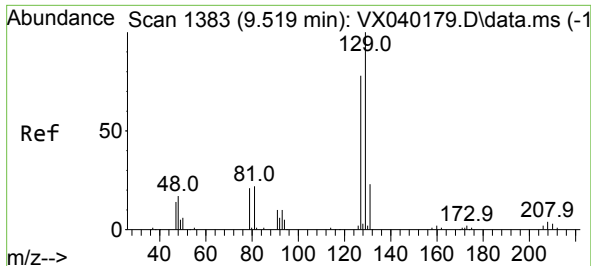
Tgt Ion: 75 Resp: 949
Ion Ratio Lower Upper
75 100
77 174.9 25.7 38.5#



#59
2-Hexanone
Concen: 0.230 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.098 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 43 Resp: 284
Ion Ratio Lower Upper
43 100
58 0.0 26.2 78.5#

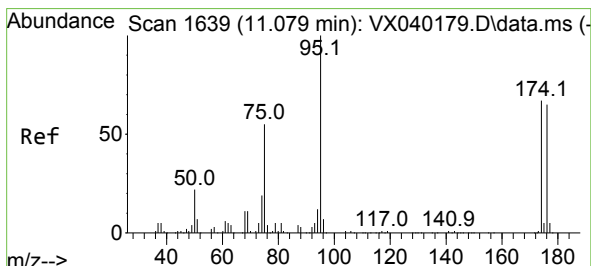
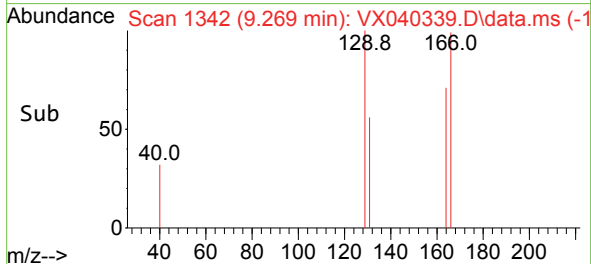
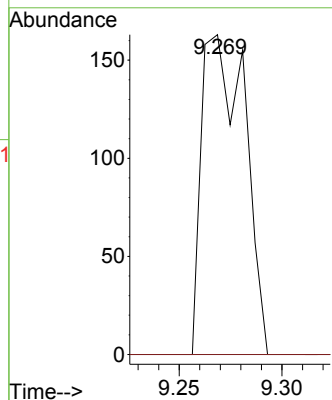
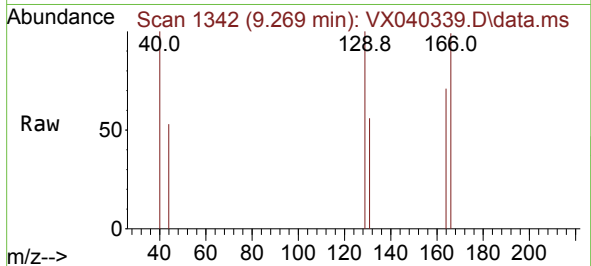




#60
Dibromochloromethane
Concen: 0.227 ug/l
RT: 9.269 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

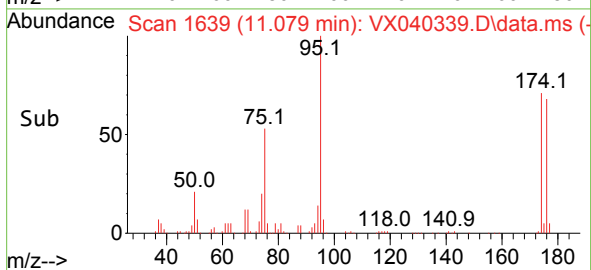
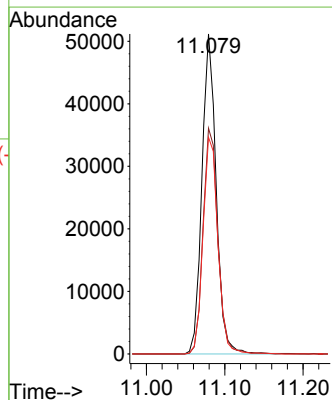
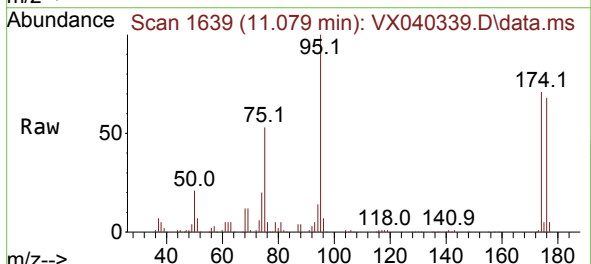
Instrument :
MSVOA_X
ClientSampleId :
TW-2

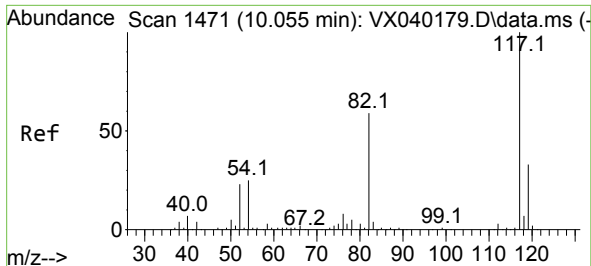
Tgt Ion:129 Resp: 238
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 45.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 95 Resp: 64504
Ion Ratio Lower Upper
95 100
174 73.4 0.0 135.6
176 71.1 0.0 131.0

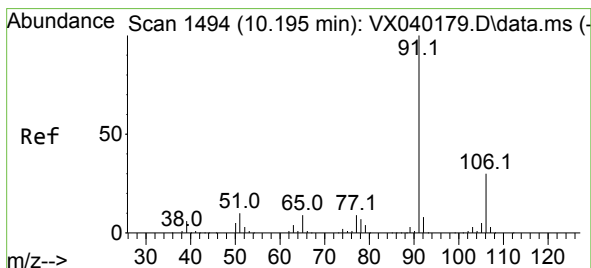
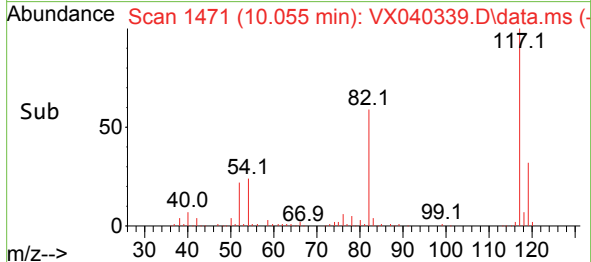
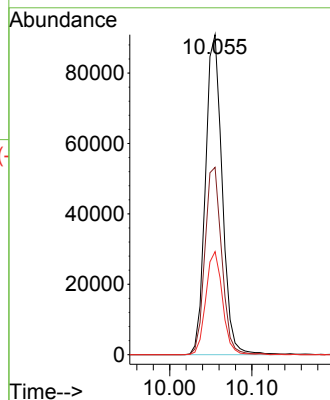
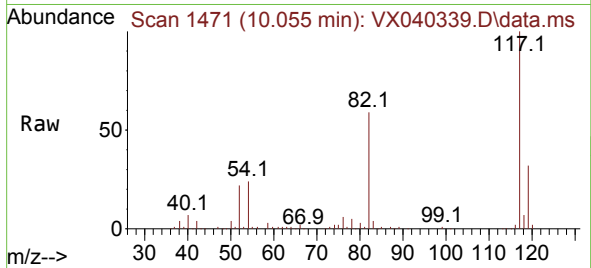




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

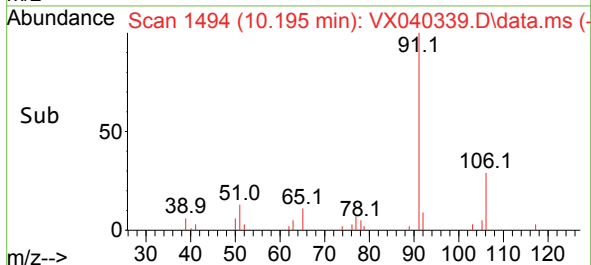
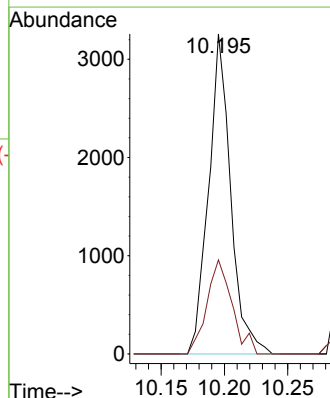
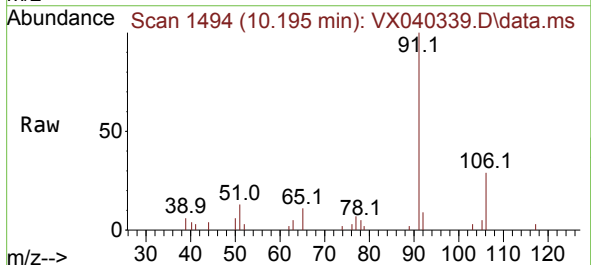
Instrument :
MSVOA_X
ClientSampleId :
TW-2

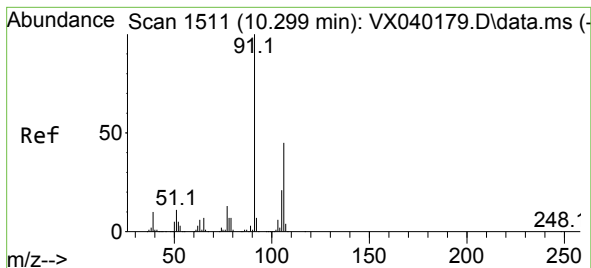
Tgt Ion:117 Resp: 128340
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 32.2 25.5 38.3



#67
Ethyl Benzene
Concen: 0.830 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion: 91 Resp: 3958
Ion Ratio Lower Upper
91 100
106 29.4 24.9 37.3

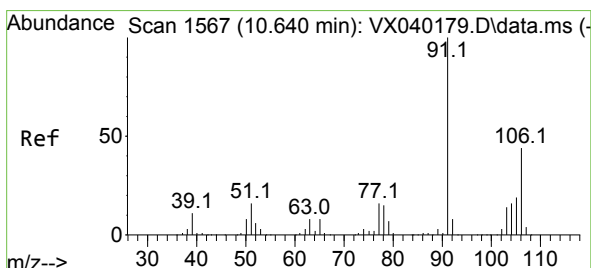
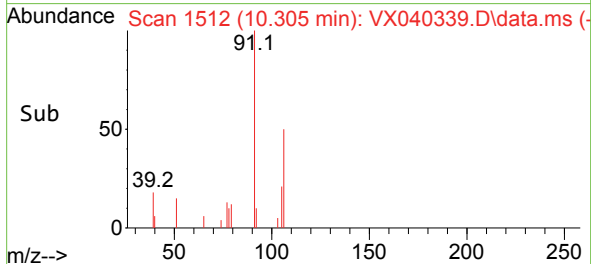
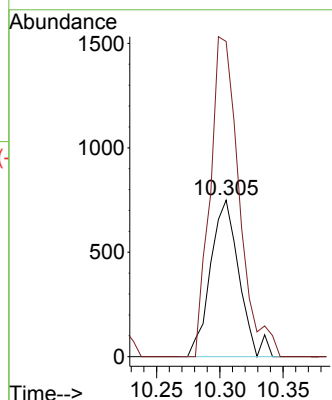
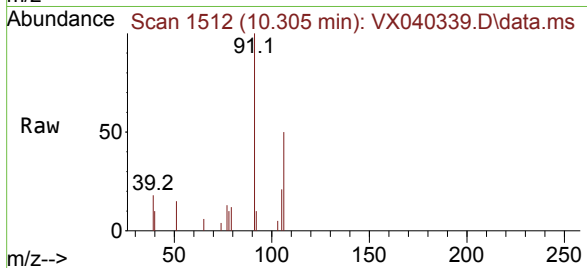




#68
m/p-Xylenes
Concen: 0.653 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

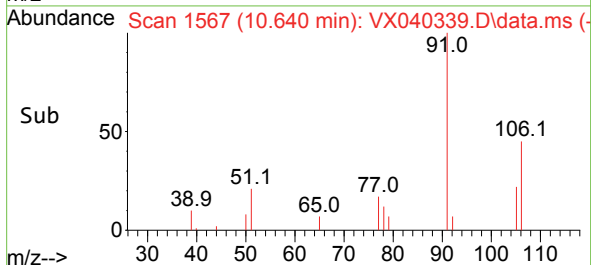
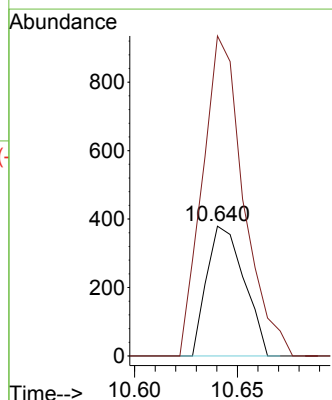
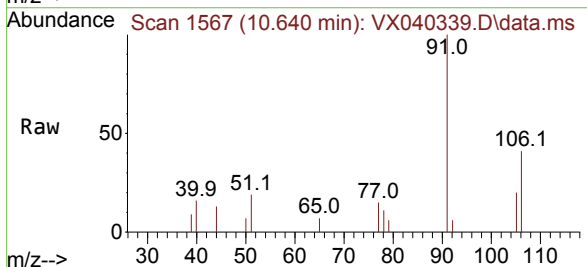
Instrument :
MSVOA_X
ClientSampleId :
TW-2

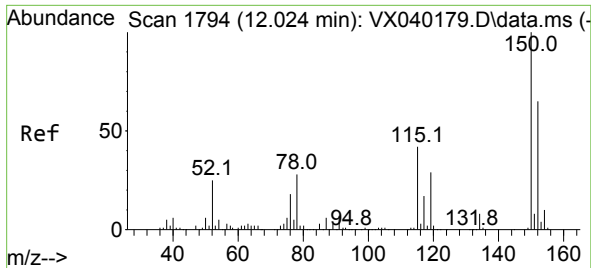
Tgt Ion:106 Resp: 1177
Ion Ratio Lower Upper
106 100
91 207.7 165.5 248.3



#69
o-Xylene
Concen: 0.274 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion:106 Resp: 480
Ion Ratio Lower Upper
106 100
91 271.0 108.9 326.8

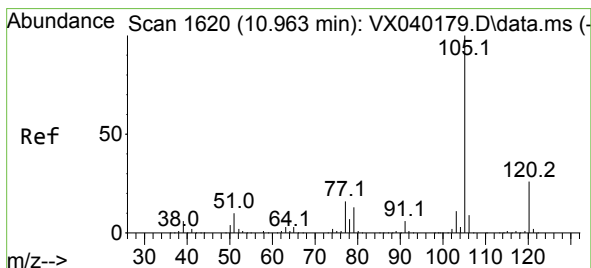
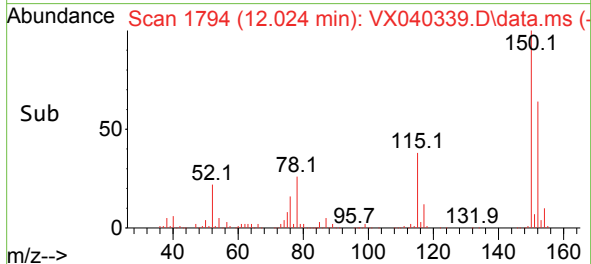
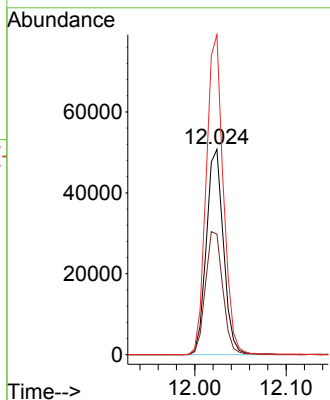
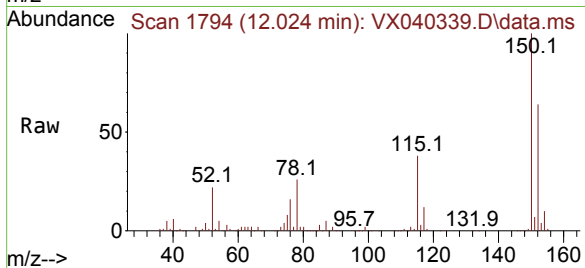




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

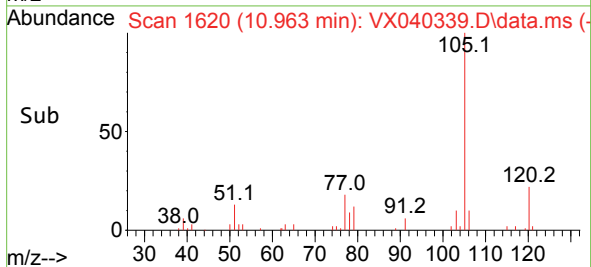
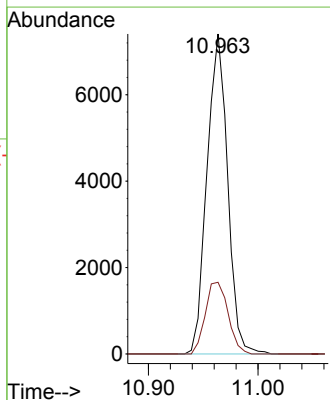
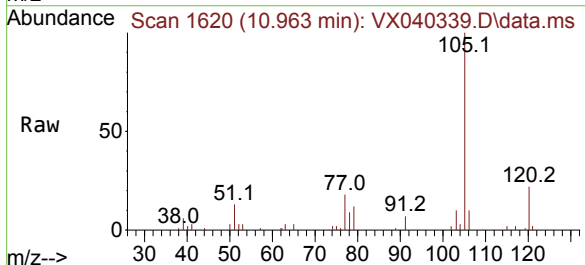
Instrument :
MSVOA_X
ClientSampleId :
TW-2

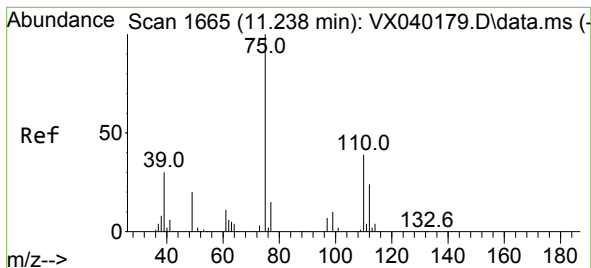
Tgt Ion:152 Resp: 65899
Ion Ratio Lower Upper
152 100
115 61.0 43.3 129.9
150 155.5 0.0 345.0



#73
Isopropylbenzene
Concen: 2.087 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX040339.D
Acq: 19 Feb 2024 18:30

Tgt Ion:105 Resp: 9689
Ion Ratio Lower Upper
105 100
120 24.7 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 26.458 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX040339.D

Acq: 19 Feb 2024 18:30

Instrument :

MSVOA_X

ClientSampleId :

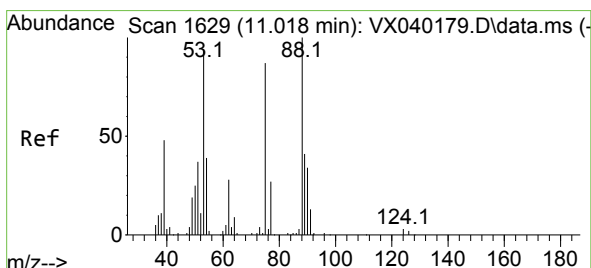
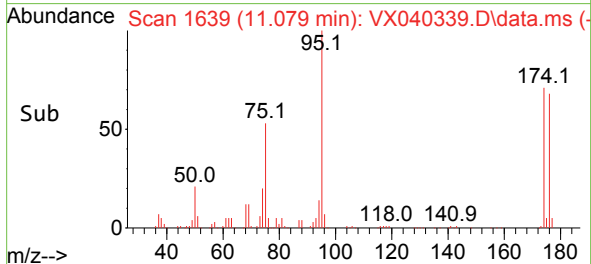
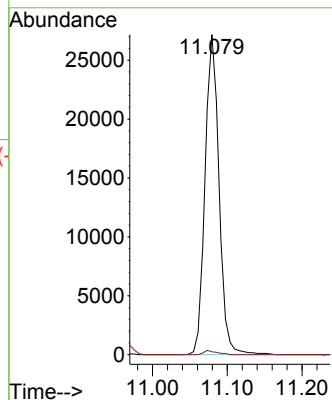
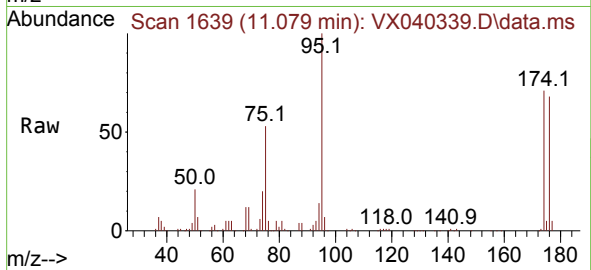
TW-2

Tgt Ion: 75 Resp: 35308

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 72.573 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX040339.D

Acq: 19 Feb 2024 18:30

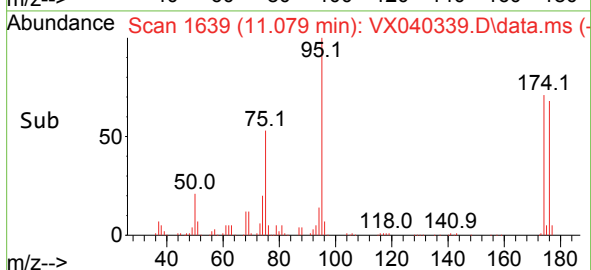
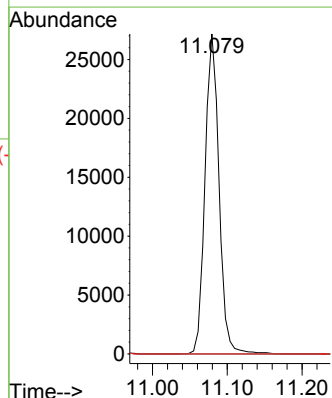
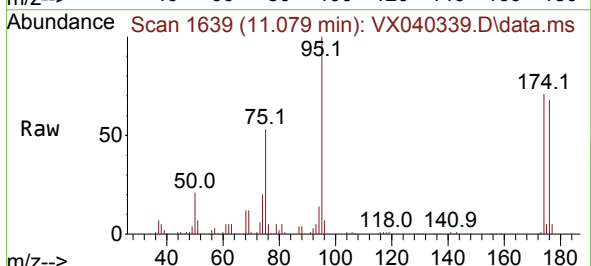
Tgt Ion: 75 Resp: 35308

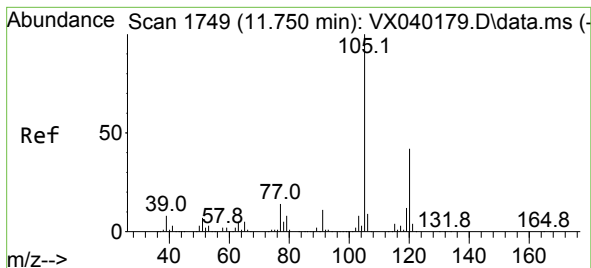
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.358 ug/l

RT: 11.756 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX040339.D

Acq: 19 Feb 2024 18:30

Instrument :

MSVOA_X

ClientSampleId :

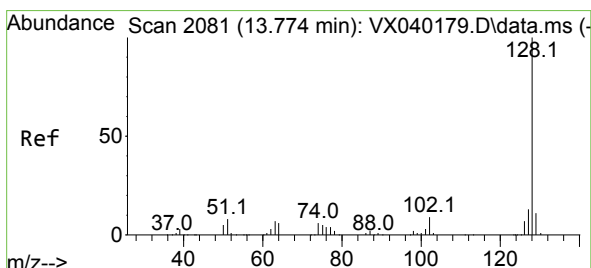
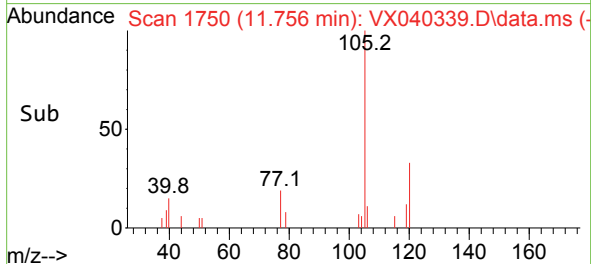
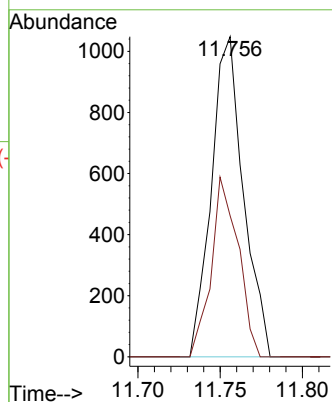
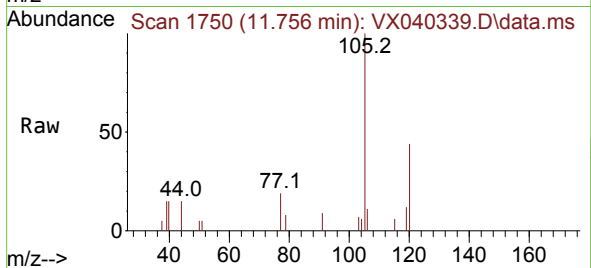
TW-2

Tgt Ion:105 Resp: 1417

Ion Ratio Lower Upper

105 100

120 47.3 21.2 63.6



#95

Naphthalene

Concen: 0.245 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX040339.D

Acq: 19 Feb 2024 18:30

Tgt Ion:128 Resp: 1116

Ion Ratio Lower Upper

128 100

127 9.1 10.3 15.5#

129 5.9 8.8 13.2#

