

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039510.D
 Acq On : 28 Dec 2023 12:52
 Operator : JC/MD
 Sample : 06025-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50200

Quant Time: Dec 28 22:48:57 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

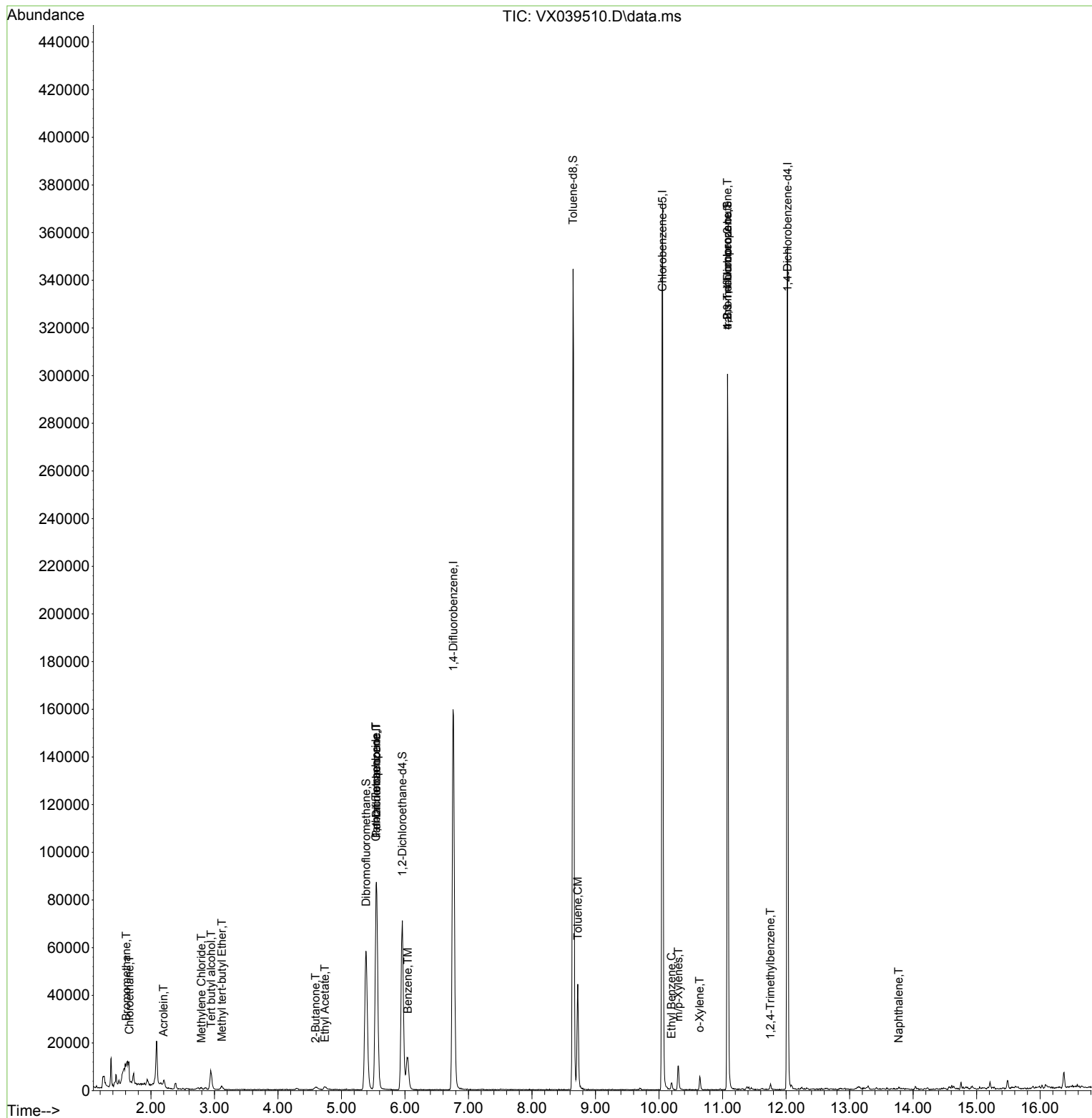
Internal Standards						
1) Pentafluorobenzene	5.550	168	75551	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	158423	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	158877	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	66570	48.098	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	96.200%		
35) Dibromofluoromethane	5.385	113	51202	46.783	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.560%		
50) Toluene-d8	8.647	98	200998	49.468	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	98.940%		
62) 4-Bromofluorobenzene	11.079	95	81997	48.910	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	97.820%		
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	222	0.353	ug/l #	3
6) Chloroethane	1.660	64	183	0.277	ug/l #	43
11) Tert butyl alcohol	2.947	59	4916	14.144	ug/l #	78
13) Acrolein	2.197	56	116	0.418	ug/l #	1
16) Acetone	2.386	43	2672	Below Cal		99
19) Methyl tert-butyl Ether	3.117	73	1429	0.407	ug/l #	90
20) Methylene Chloride	2.794	84	319	0.276	ug/l #	69
25) 2-Butanone	4.593	43	259	0.217	ug/l #	51
36) 1,1-Dichloropropene	5.550	75	7224	4.183	ug/l #	51
37) Ethyl Acetate	4.739	43	2887	1.353	ug/l #	78
38) Carbon Tetrachloride	5.544	117	8904	5.402	ug/l #	15
40) Benzene	6.044	78	16602	3.398	ug/l	95
52) Toluene	8.720	92	15872	5.383	ug/l	93
67) Ethyl Benzene	10.195	91	2284	0.354	ug/l	97
68) m/p-Xylenes	10.305	106	2541	1.098	ug/l	90
69) o-Xylene	10.640	106	1246	0.557	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	44037	24.951	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44037	70.385	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1345	0.293	ug/l	86
95) Naphthalene	13.774	128	1024	0.205	ug/l #	87

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

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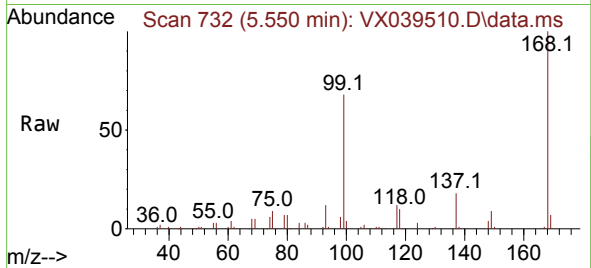
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Instrument :

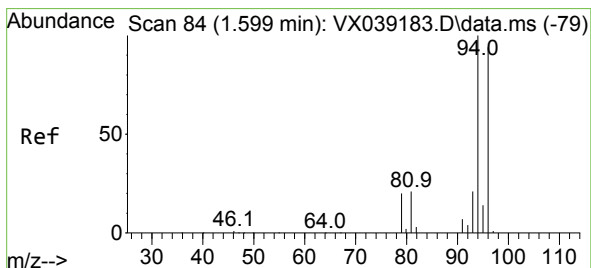
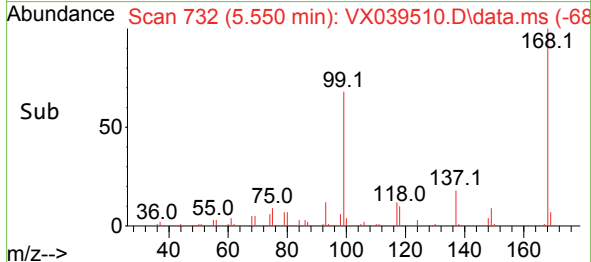
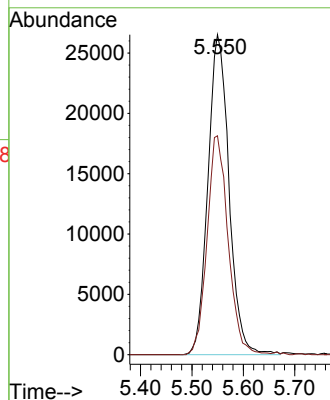
MSVOA_X

ClientSampleId :

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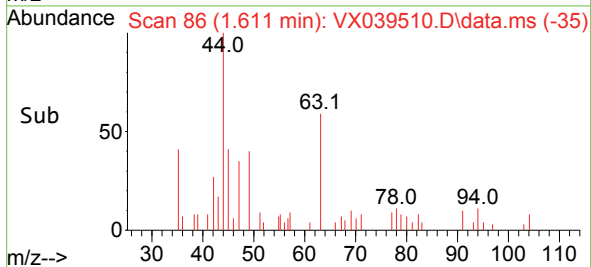
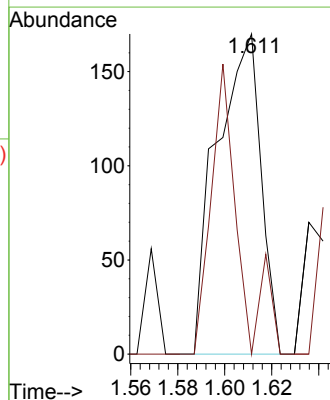
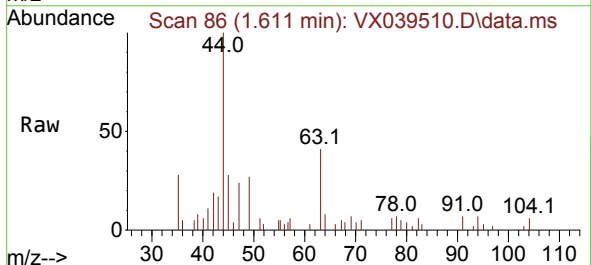


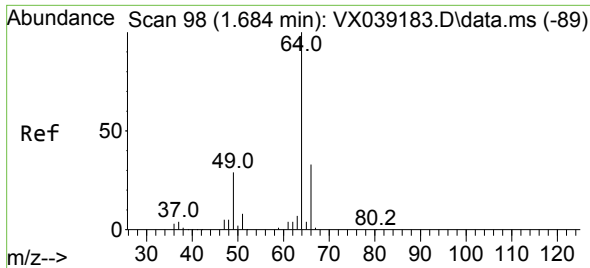
Tgt Ion:168 Resp: 75551
Ion Ratio Lower Upper
168 100
99 68.4 56.6 85.0



#5
Bromomethane
Concen: 0.353 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion: 94 Resp: 222
Ion Ratio Lower Upper
94 100
96 0.0 74.6 111.8#

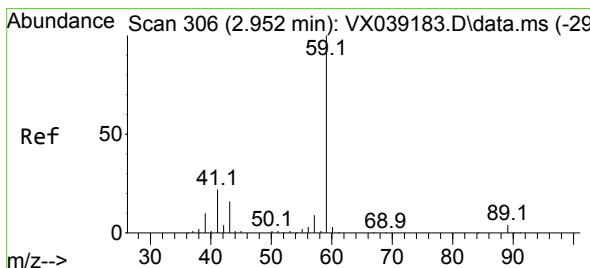
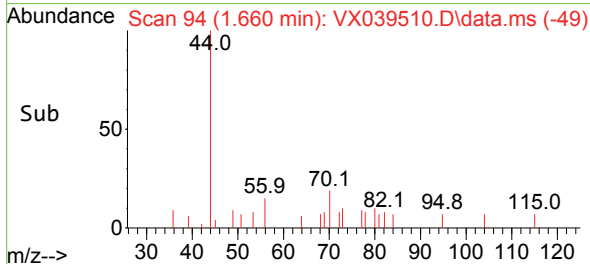
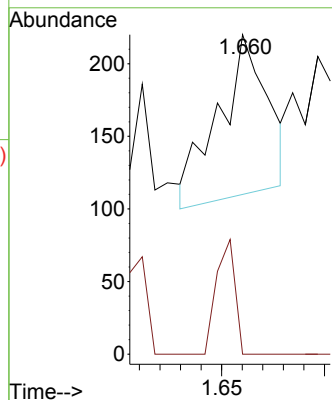
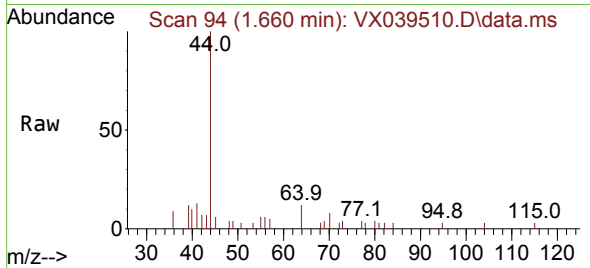




#6
Chloroethane
Concen: 0.277 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.024 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

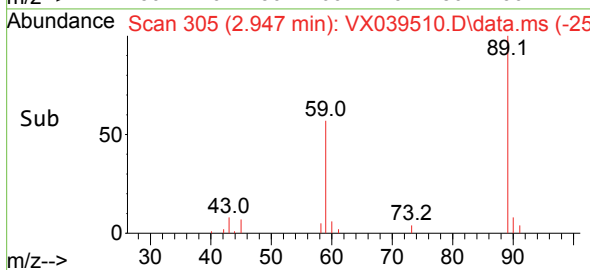
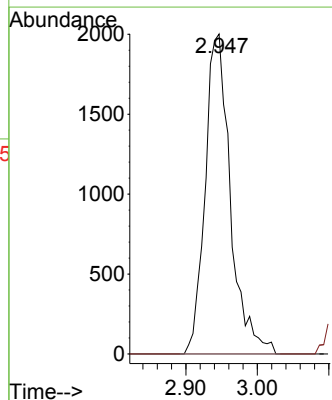
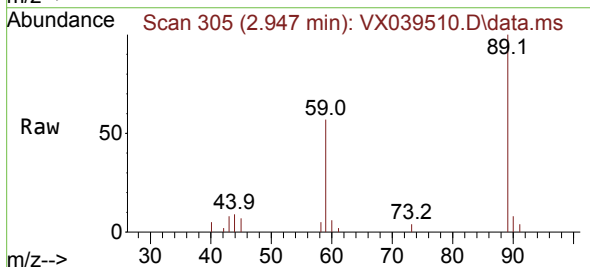
Instrument :
MSVOA_X
ClientSampleId :
50200

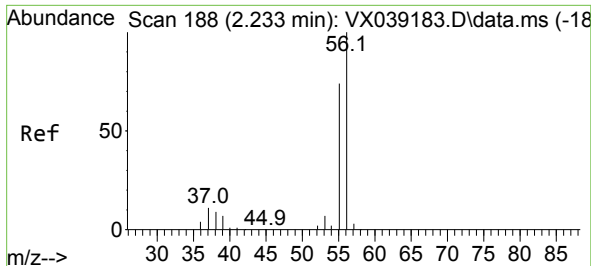
Tgt Ion: 64 Resp: 183
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#



#11
Tert butyl alcohol
Concen: 14.144 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.006 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion: 59 Resp: 4916
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#





#13

Acrolein

Concen: 0.418 ug/l

RT: 2.197 min Scan# 11

Delta R.T. -0.036 min

Lab File: VX039510.D

Acq: 28 Dec 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

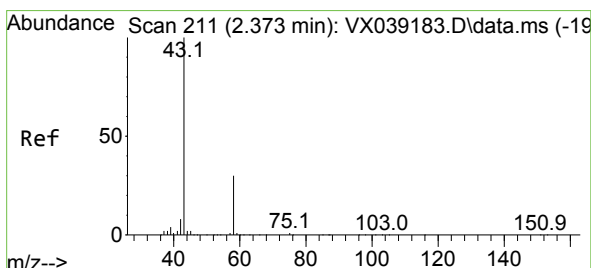
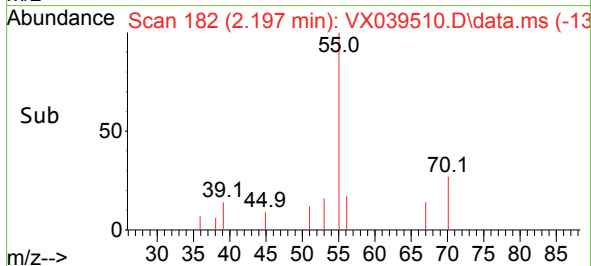
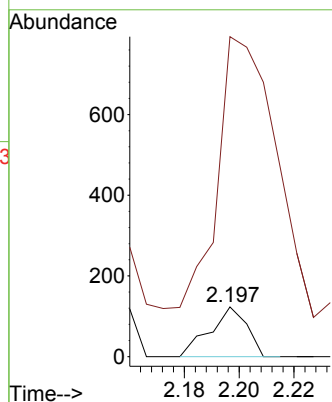
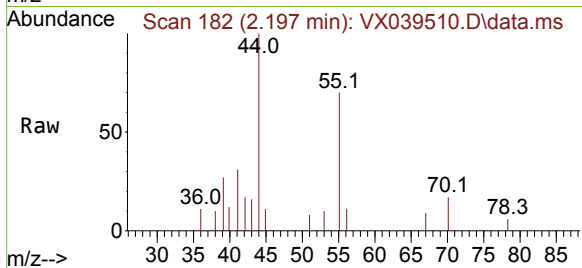
50200

Tgt Ion: 56 Resp: 116

Ion Ratio Lower Upper

56 100

55 1295.7 57.1 85.7#



#16

Acetone

Concen: Below Cal

RT: 2.386 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX039510.D

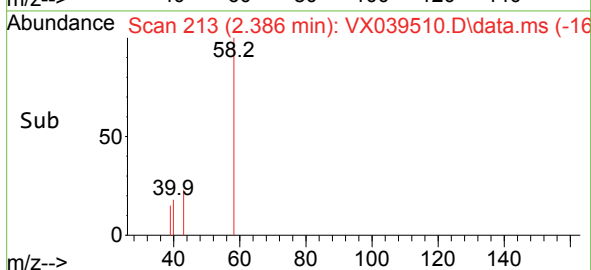
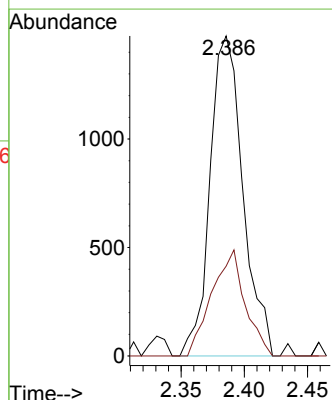
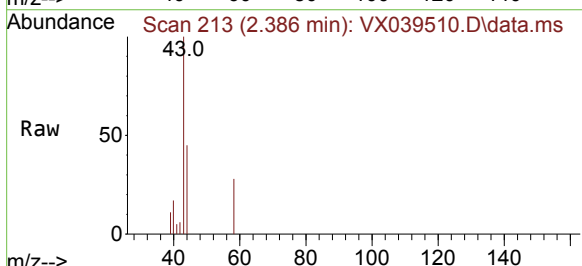
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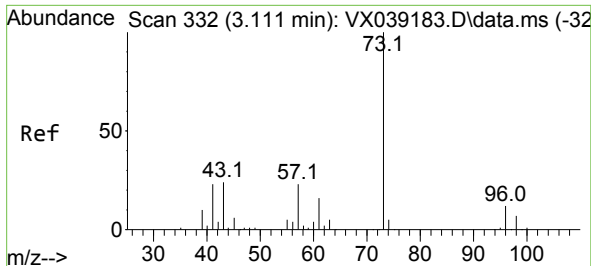
Tgt Ion: 43 Resp: 2672

Ion Ratio Lower Upper

43 100

58 28.1 21.9 32.9

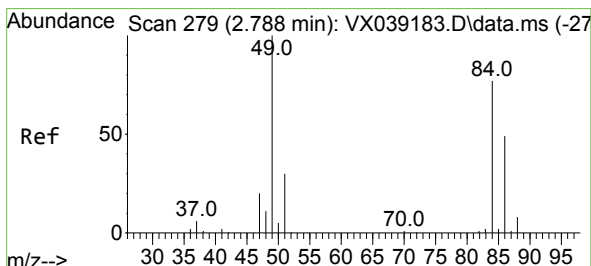
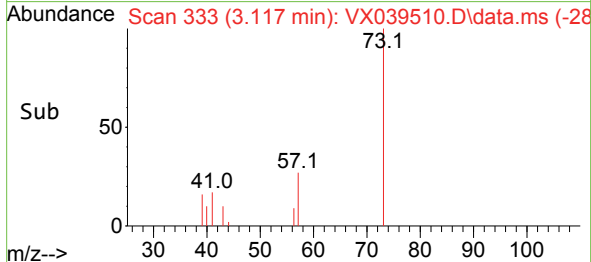
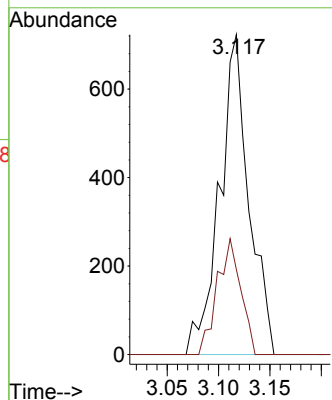
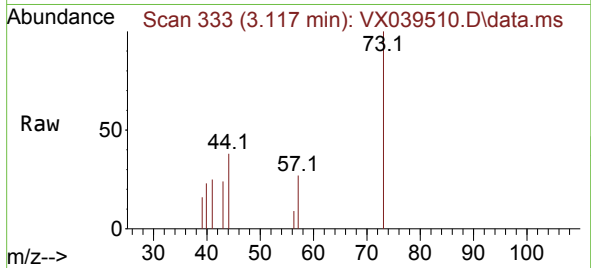




#19
Methyl tert-butyl Ether
Concen: 0.407 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

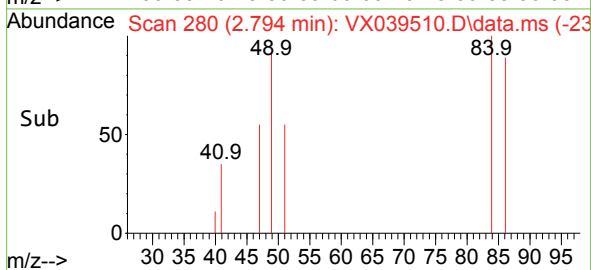
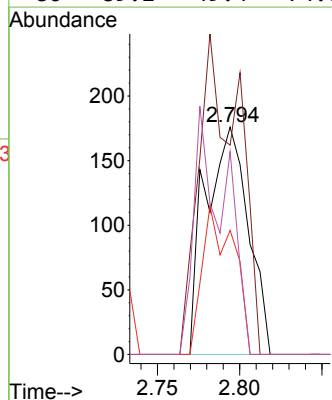
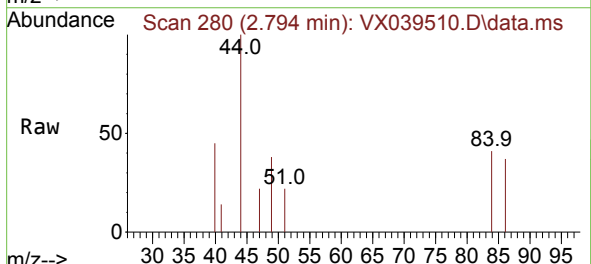
Instrument :
MSVOA_X
ClientSampleId :
50200

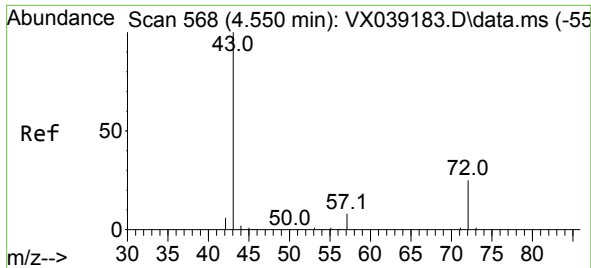
Tgt Ion: 73 Resp: 1429
Ion Ratio Lower Upper
73 100
57 26.6 17.3 25.9#



#20
Methylene Chloride
Concen: 0.276 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion: 84 Resp: 319
Ion Ratio Lower Upper
84 100
49 92.0 103.6 155.4#
51 54.5 33.8 50.6#
86 89.2 49.4 74.0#

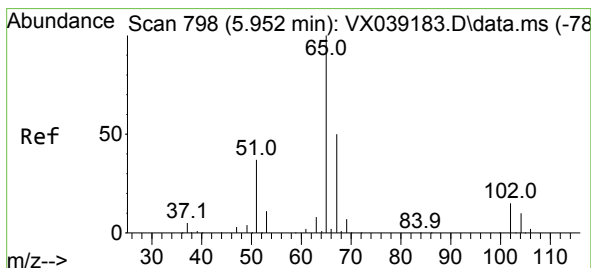
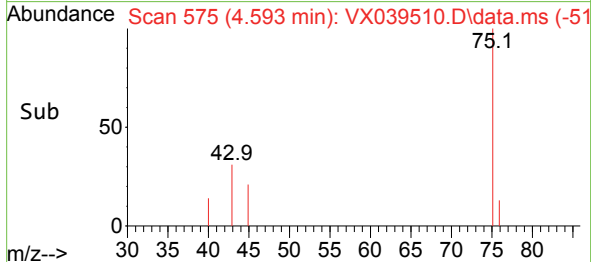
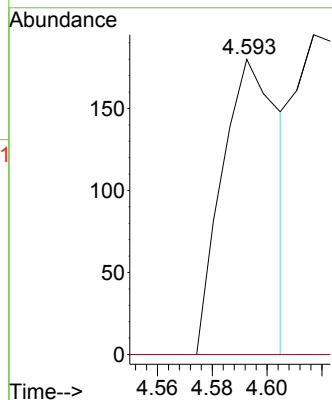
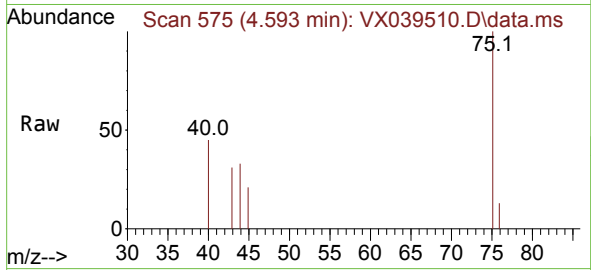




#25
2-Butanone
Concen: 0.217 ug/l
RT: 4.593 min Scan# 51
Delta R.T. 0.043 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

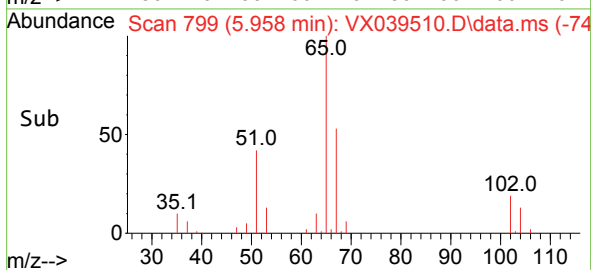
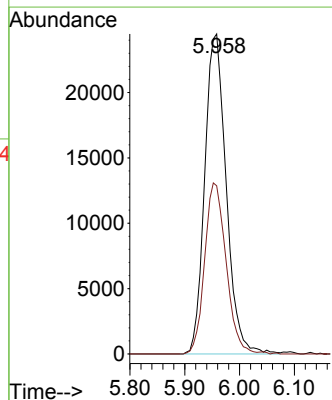
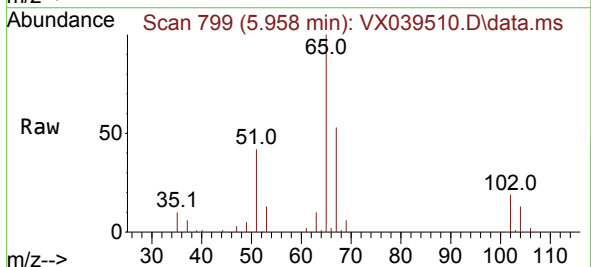
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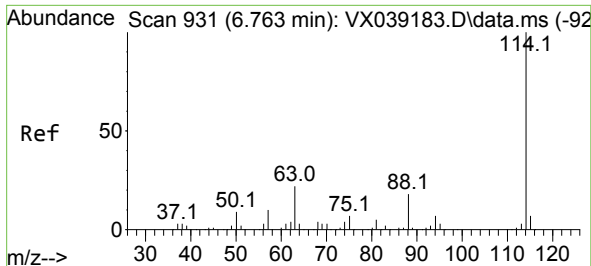
Tgt Ion: 43 Resp: 259
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#33
1,2-Dichloroethane-d4
Concen: 48.098 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion: 65 Resp: 66570
Ion Ratio Lower Upper
65 100
67 53.2 0.0 100.2

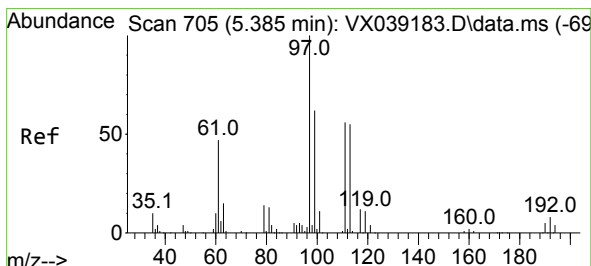
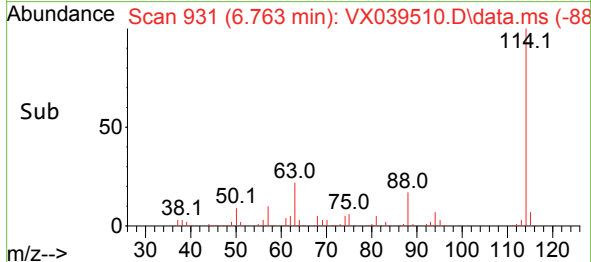
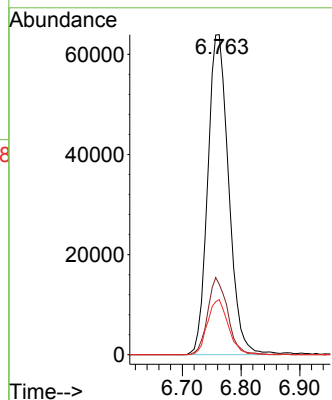
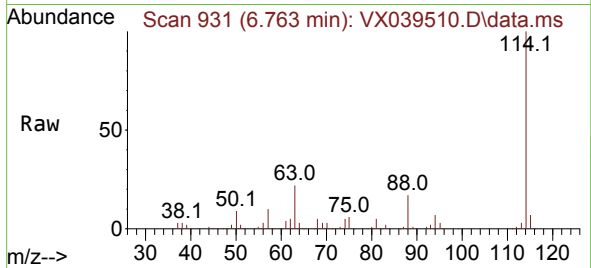




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

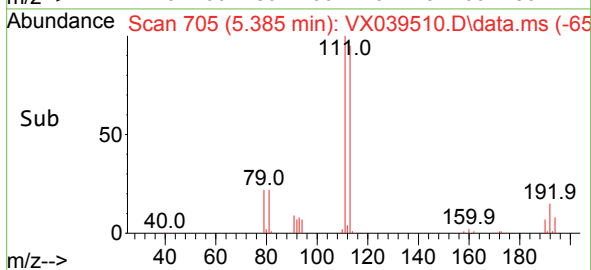
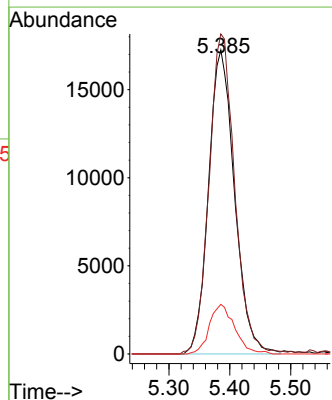
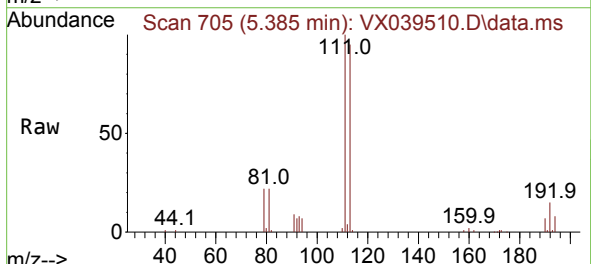
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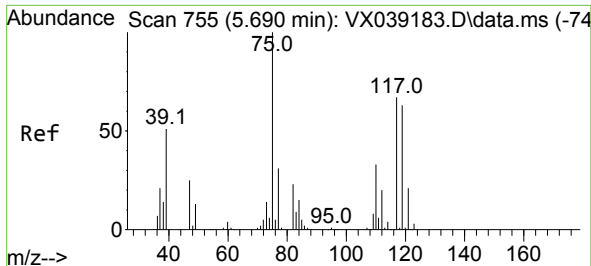
Tgt Ion:114 Resp: 158423
Ion Ratio Lower Upper
114 100
63 22.0 0.0 45.0
88 17.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 46.783 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion:113 Resp: 51202
Ion Ratio Lower Upper
113 100
111 103.9 82.9 124.3
192 15.9 13.3 19.9

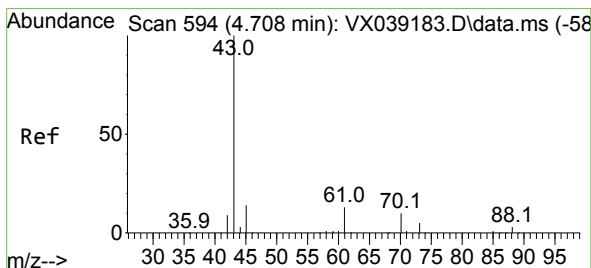
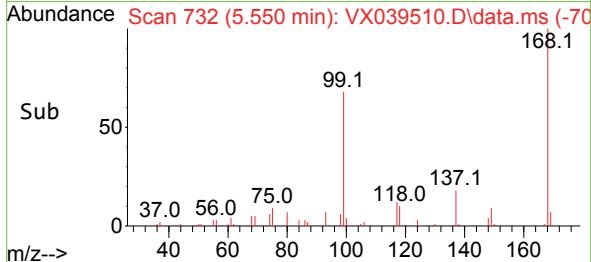
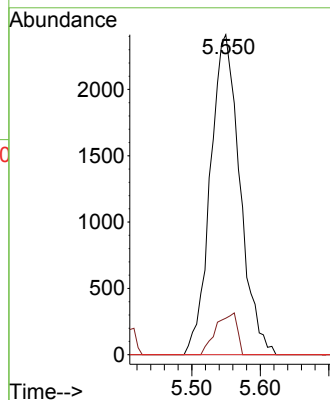
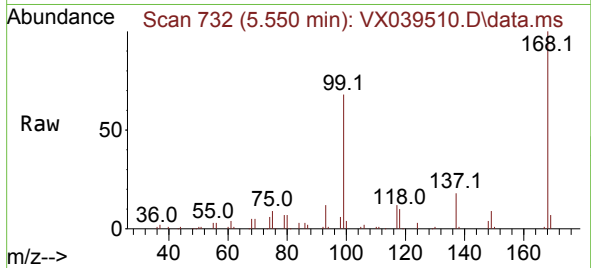




#36
1,1-Dichloropropene
Concen: 4.183 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

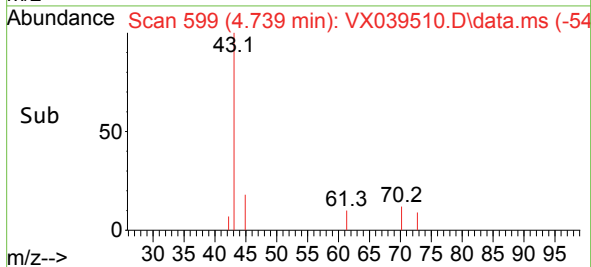
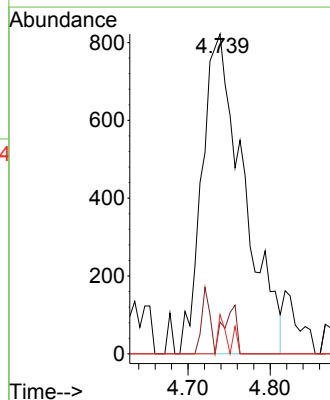
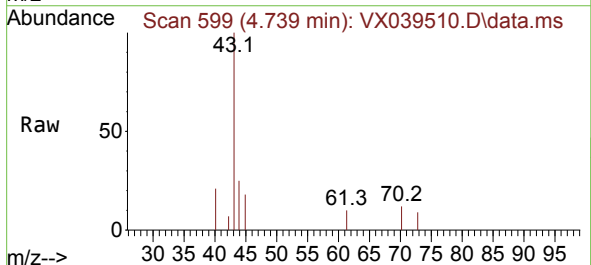
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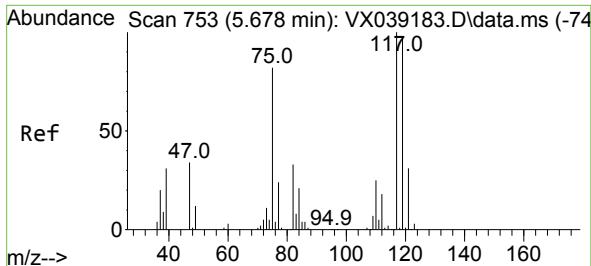
Tgt Ion: 75 Resp: 7224
Ion Ratio Lower Upper
75 100
110 9.4 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.353 ug/l
RT: 4.739 min Scan# 599
Delta R.T. 0.031 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion: 43 Resp: 2887
Ion Ratio Lower Upper
43 100
61 4.8 10.6 16.0#
70 2.0 8.3 12.5#

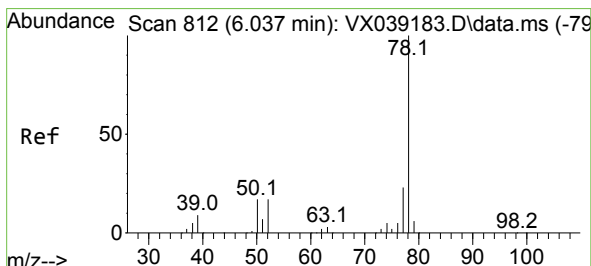
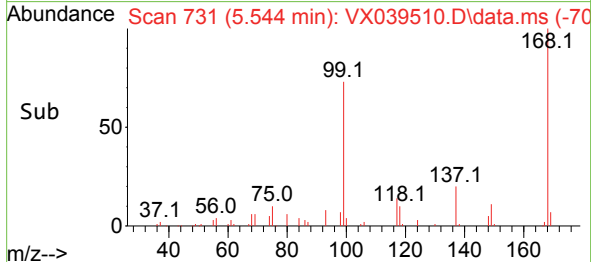
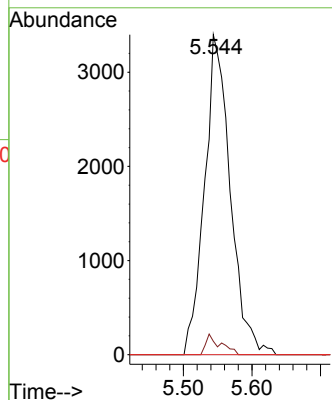
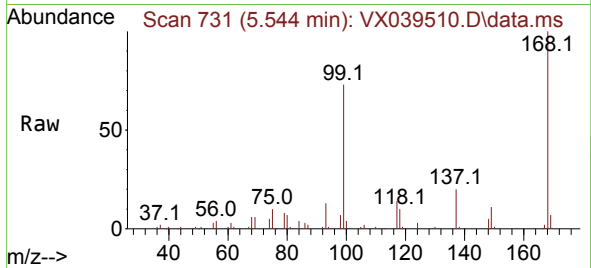




#38
Carbon Tetrachloride
Concen: 5.402 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

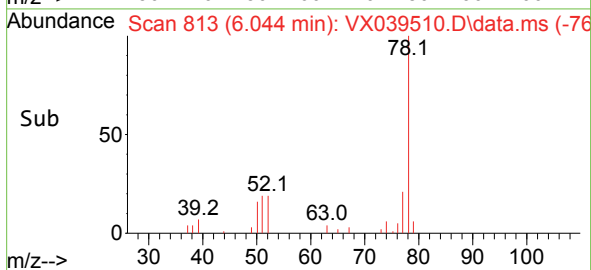
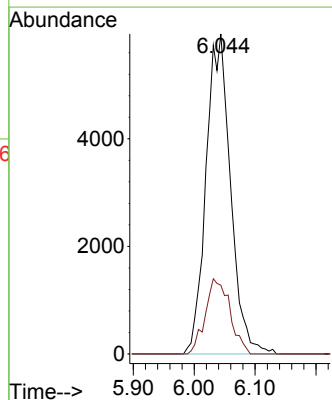
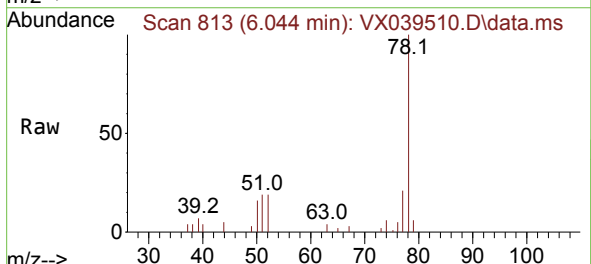
Instrument :
MSVOA_X
ClientSampleId :
50200

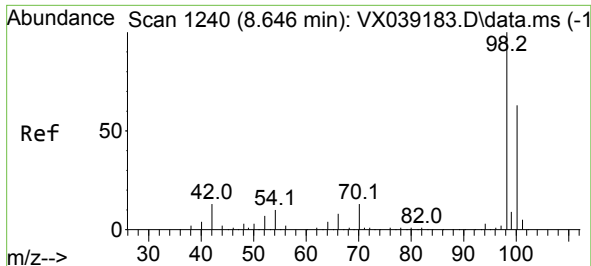
Tgt Ion:117 Resp: 8904
Ion Ratio Lower Upper
117 100
119 4.2 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 3.398 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion: 78 Resp: 16602
Ion Ratio Lower Upper
78 100
77 21.5 19.3 28.9

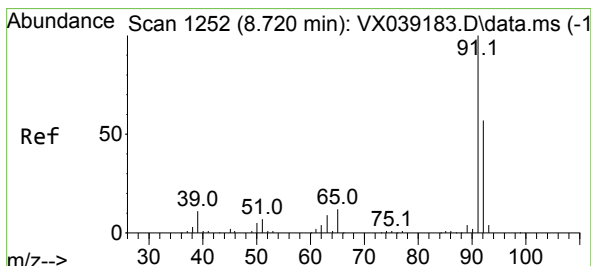
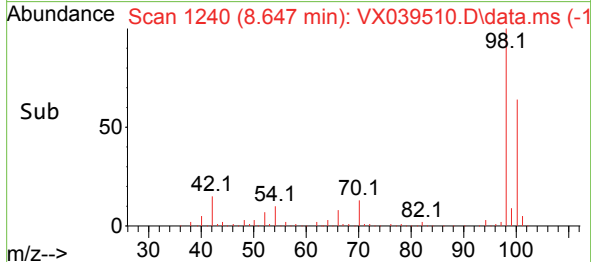
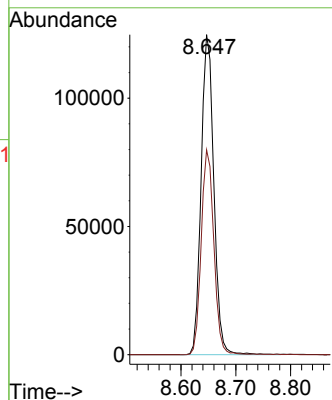
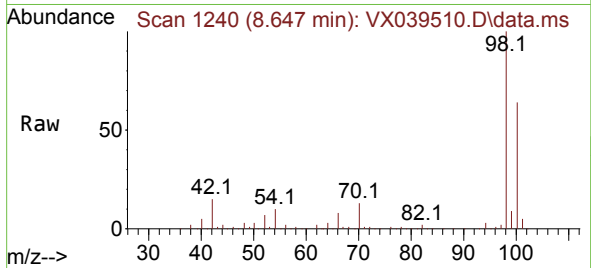




#50
Toluene-d8
Concen: 49.468 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

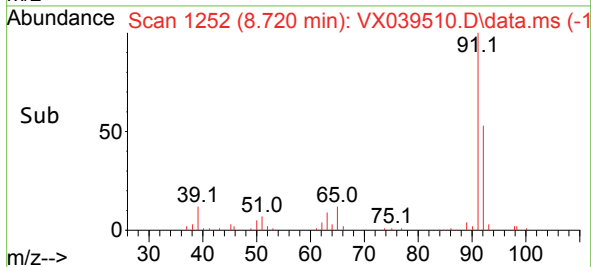
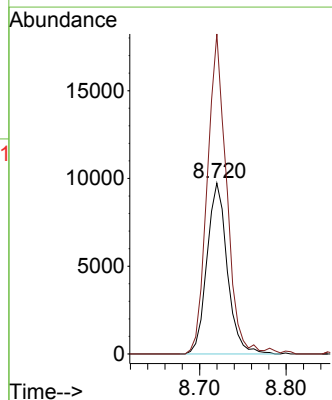
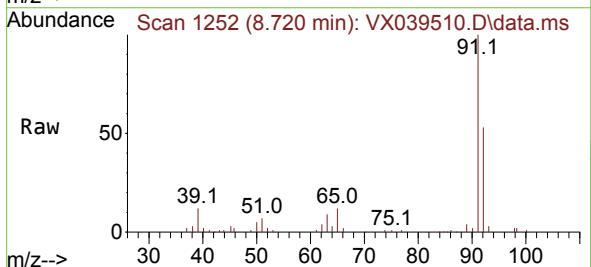
Instrument :
MSVOA_X
ClientSampleId :
50200

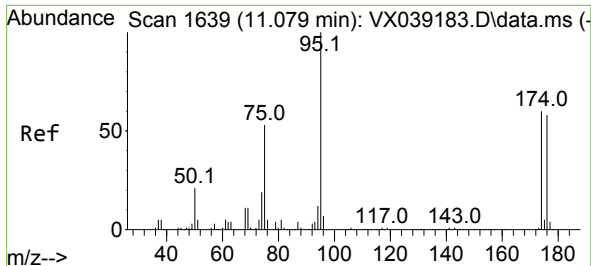
Tgt Ion: 98 Resp: 200998
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#52
Toluene
Concen: 5.383 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion: 92 Resp: 15872
Ion Ratio Lower Upper
92 100
91 177.3 134.2 201.2

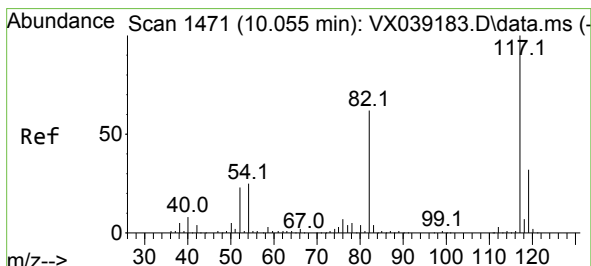
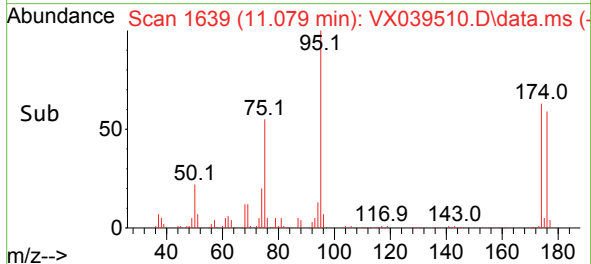
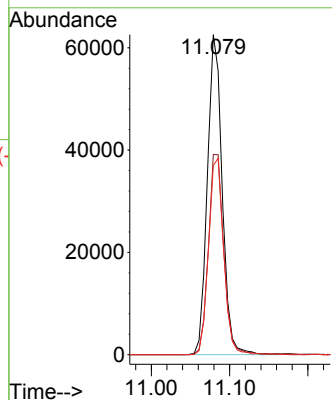
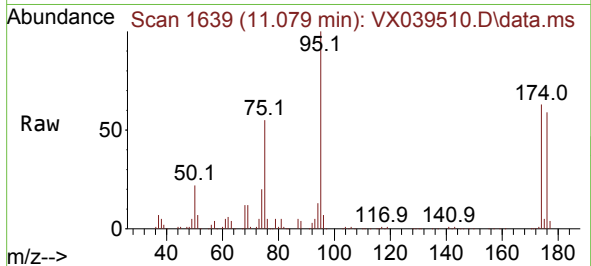




#62
4-Bromofluorobenzene
Concen: 48.910 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

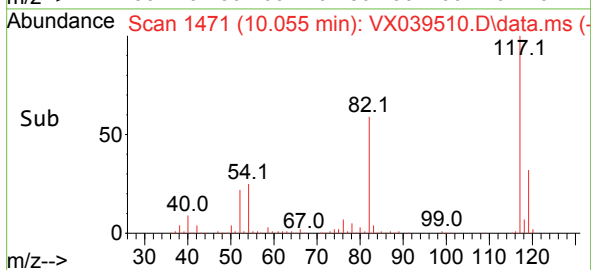
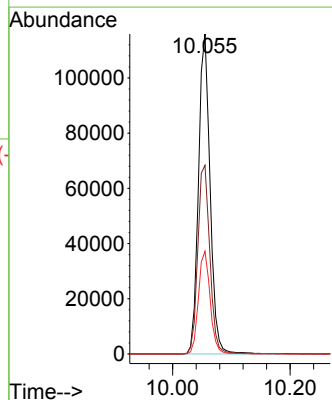
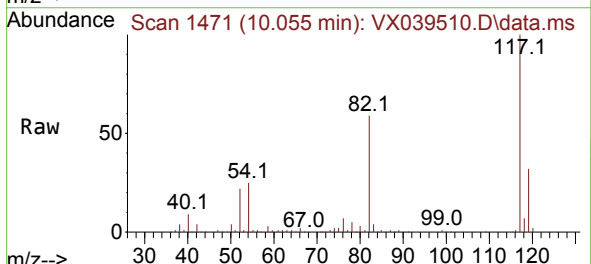
Instrument :
MSVOA_X
ClientSampleId :
50200

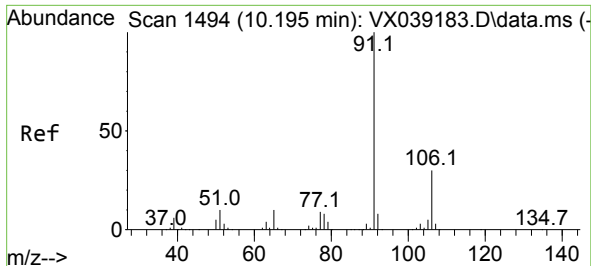
Tgt Ion: 95 Resp: 81997
Ion Ratio Lower Upper
95 100
174 65.0 0.0 135.6
176 62.7 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion: 117 Resp: 158877
Ion Ratio Lower Upper
117 100
82 59.0 46.2 69.4
119 32.1 25.5 38.3





#67

Ethyl Benzene

Concen: 0.354 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.000 min

Lab File: VX039510.D

Acq: 28 Dec 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

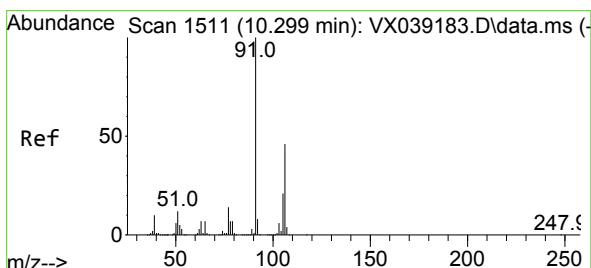
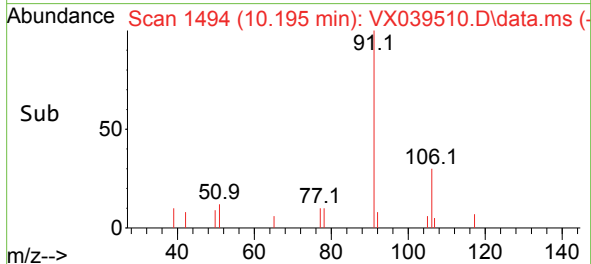
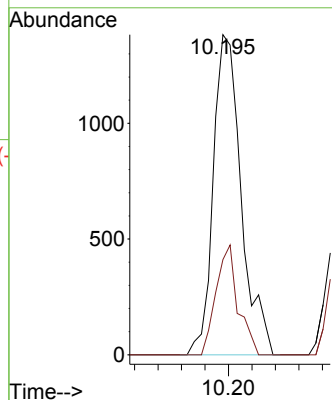
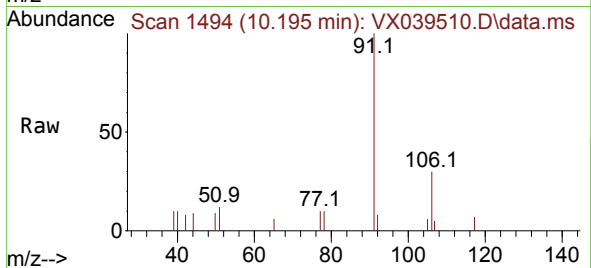
50200

Tgt Ion: 91 Resp: 2284

Ion Ratio Lower Upper

91 100

106 29.7 24.9 37.3



#68

m/p-Xylenes

Concen: 1.098 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX039510.D

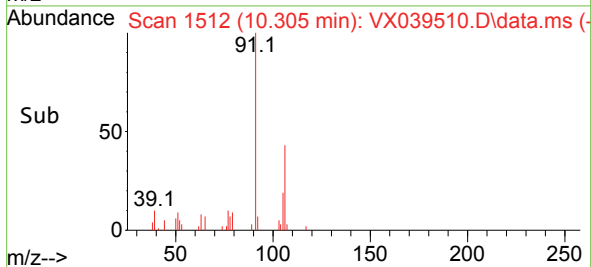
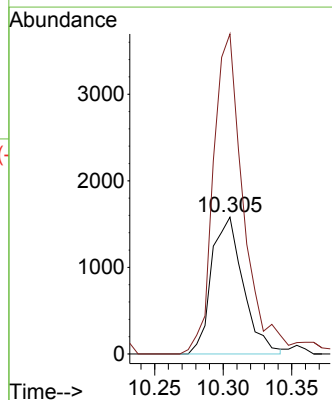
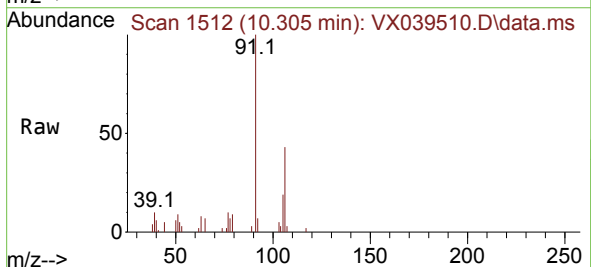
Acq: 28 Dec 2023 12:52

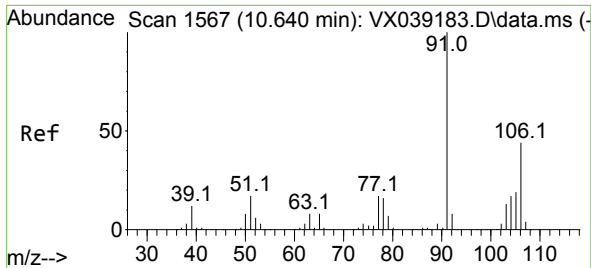
Tgt Ion: 106 Resp: 2541

Ion Ratio Lower Upper

106 100

91 222.7 165.5 248.3

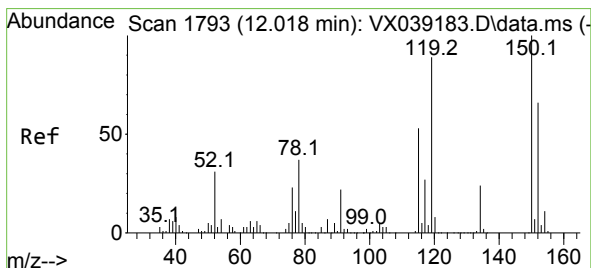
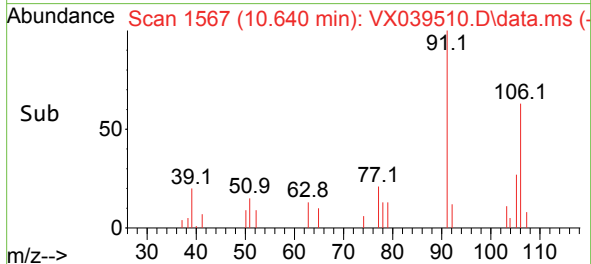
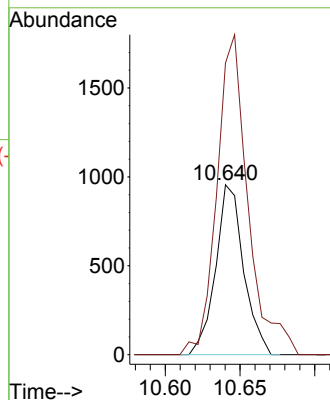
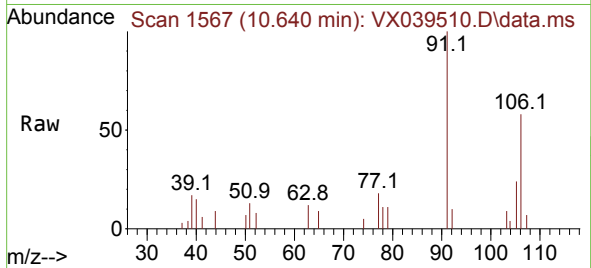




#69
o-Xylene
Concen: 0.557 ug/l
RT: 10.640 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

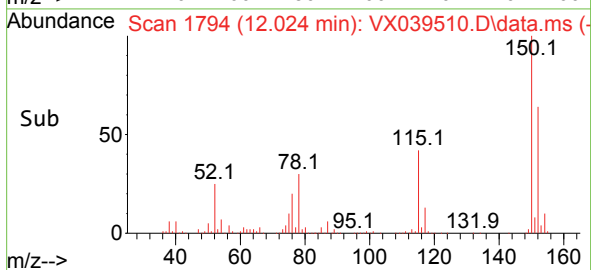
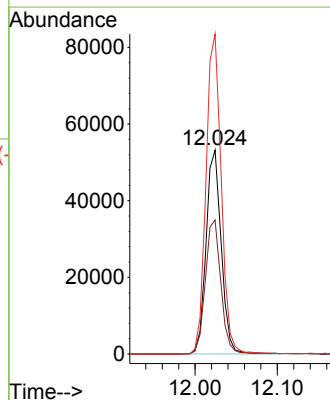
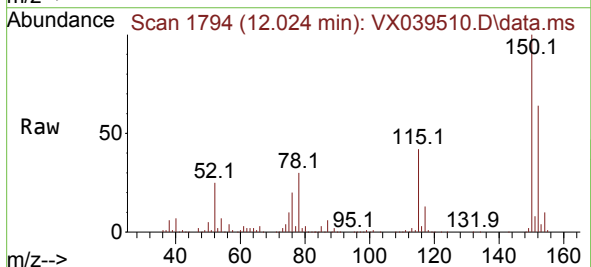
Instrument :
MSVOA_X
ClientSampleId :
50200

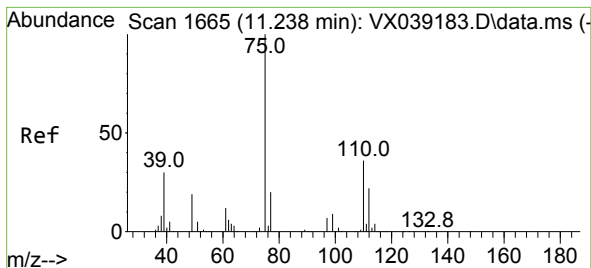
Tgt Ion:106 Resp: 1246
Ion Ratio Lower Upper
106 100
91 209.0 108.9 326.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039510.D
Acq: 28 Dec 2023 12:52

Tgt Ion:152 Resp: 68220
Ion Ratio Lower Upper
152 100
115 67.0 43.3 129.9
150 157.7 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 24.951 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039510.D

Acq: 28 Dec 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

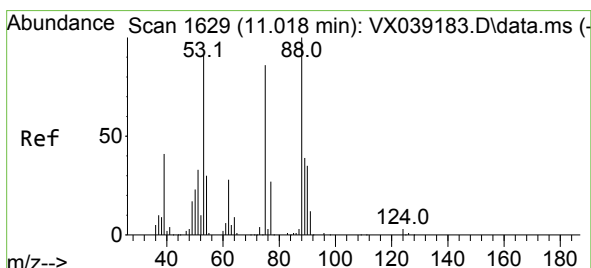
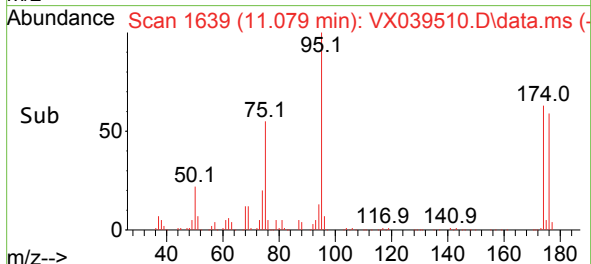
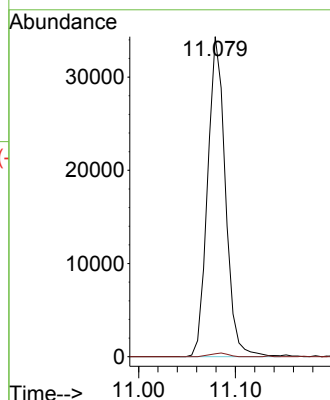
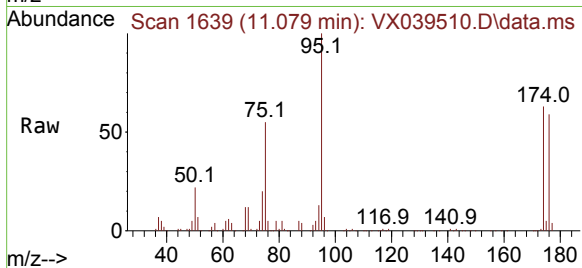
50200

Tgt Ion: 75 Resp: 44037

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 70.385 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX039510.D

Acq: 28 Dec 2023 12:52

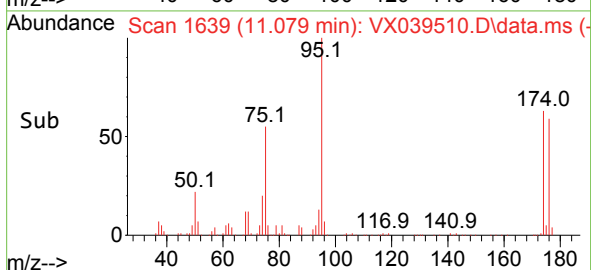
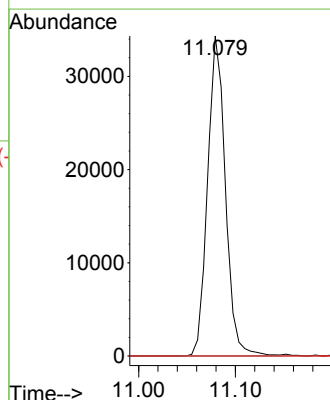
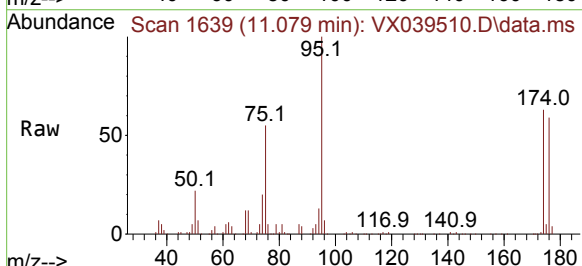
Tgt Ion: 75 Resp: 44037

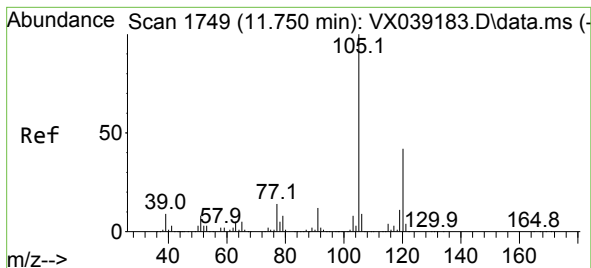
Ion Ratio Lower Upper

75 100

53 0.0 90.5 135.7#

89 0.0 36.9 55.3#





#84

1,2,4-Trimethylbenzene

Concen: 0.293 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. 0.006 min

Lab File: VX039510.D

Acq: 28 Dec 2023 12:52

Instrument :

MSVOA_X

ClientSampleId :

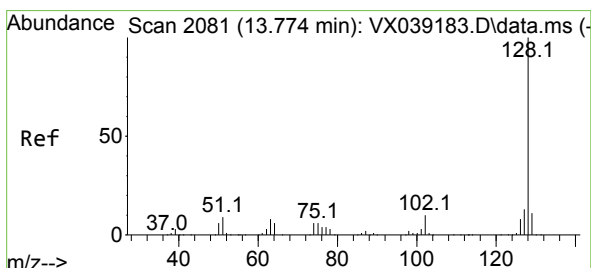
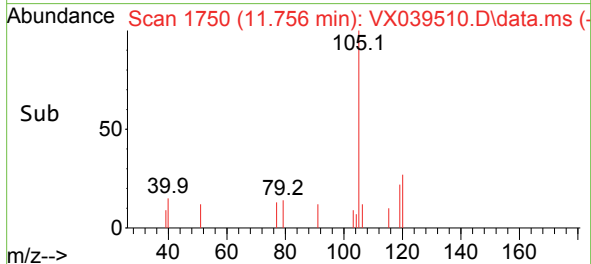
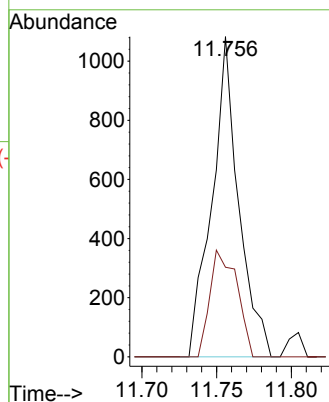
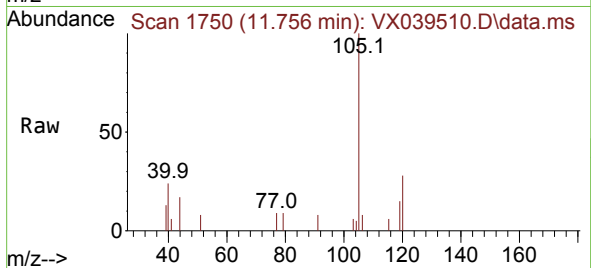
50200

Tgt Ion:105 Resp: 1345

Ion Ratio Lower Upper

105 100

120 33.8 21.2 63.6



#95

Naphthalene

Concen: 0.205 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. 0.000 min

Lab File: VX039510.D

Acq: 28 Dec 2023 12:52

Tgt Ion:128 Resp: 1024

Ion Ratio Lower Upper

128 100

127 5.3 10.3 15.5#

129 9.1 8.8 13.2

