

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011724\
 Data File : VX039802.D
 Acq On : 17 Jan 2024 15:08
 Operator : JC/MD
 Sample : P1152-01 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

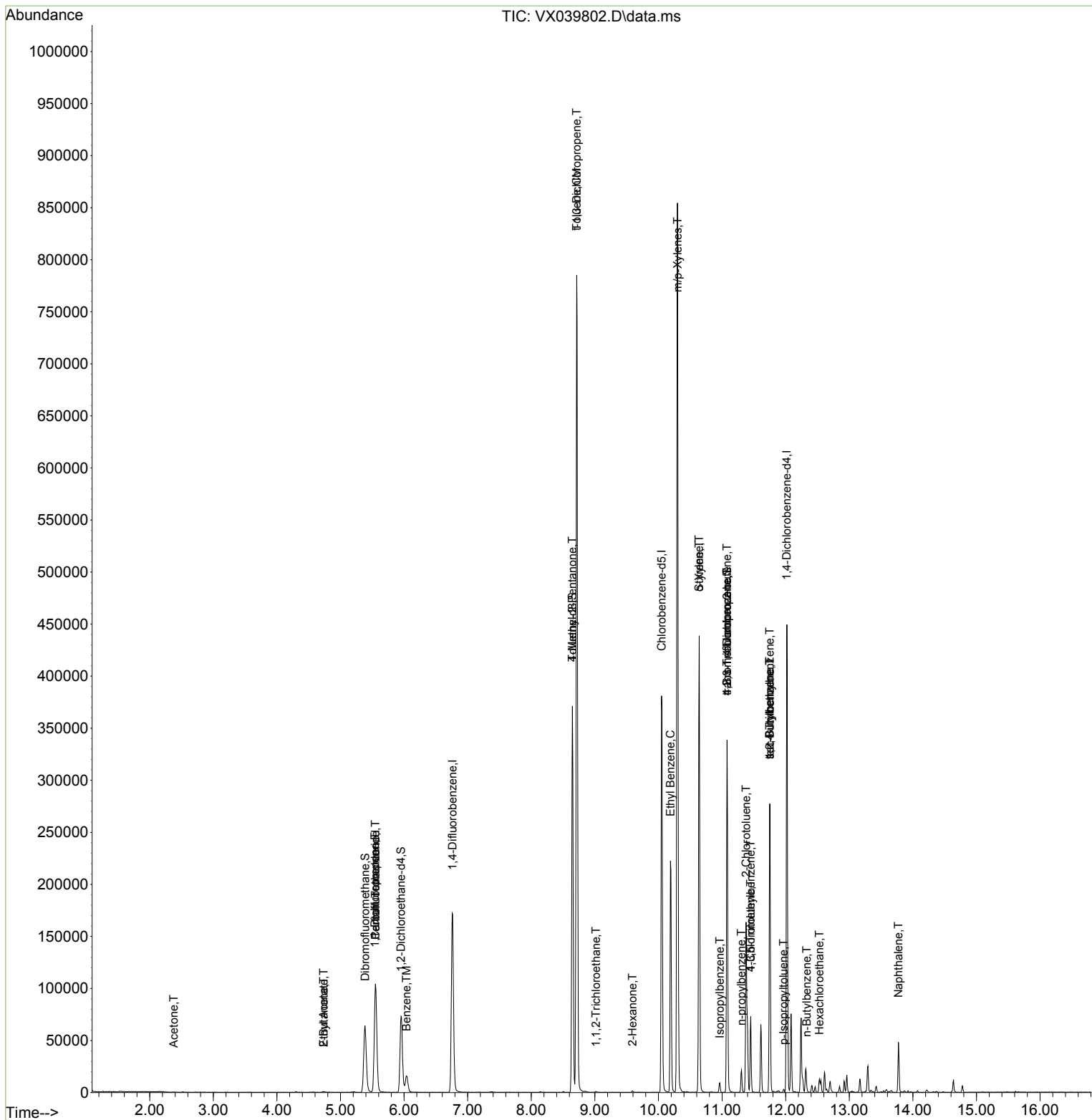
Quant Time: Jan 18 02:43:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 11 03:51:26 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	91778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	171271	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	166521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	84770	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	71094	46.243	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.480%		
35) Dibromofluoromethane	5.385	113	55060	47.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.460%		
50) Toluene-d8	8.647	98	212269	48.788	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	97.580%		
62) 4-Bromofluorobenzene	11.079	95	87912	51.671	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	103.340%		
Target Compounds						
					Qvalue	
16) Acetone	2.380	43	290	0.335	ug/l #	47
25) 2-Butanone	4.733	43	1711	1.377	ug/l #	51
36) 1,1-Dichloropropene	5.544	75	8416	4.687	ug/l #	51
37) Ethyl Acetate	4.733	43	1711	0.714	ug/l #	72
38) Carbon Tetrachloride	5.550	117	10145	6.169	ug/l #	13
40) Benzene	6.037	78	19060	3.749	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1096	0.453	ug/l #	1
52) Toluene	8.714	92	283415	93.322	ug/l	95
53) t-1,3-Dichloropropene	8.714	75	3228	1.744	ug/l #	1
55) 1,1,2-Trichloroethane	9.019	97	541	0.418	ug/l #	17
59) 2-Hexanone	9.592	43	1196	0.624	ug/l #	26
67) Ethyl Benzene	10.189	91	129046	20.041	ug/l	98
68) m/p-Xylenes	10.299	106	186890	78.921	ug/l	96
69) o-Xylene	10.640	106	87727	37.408	ug/l	95
70) Styrene	10.640	104	4653	1.215	ug/l #	1
73) Isopropylbenzene	10.963	105	4984	0.738	ug/l	99
76) 1,2,3-Trichloropropane	11.079	75	47263	21.505	ug/l #	39
78) n-propylbenzene	11.305	91	13905	1.702	ug/l	96
79) 2-Chlorotoluene	11.378	91	13887	2.751	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.451	105	29581	5.161	ug/l	95
81) trans-1,4-Dichloro-2-b...	11.079	75	47263	62.566	ug/l #	5
82) 4-Chlorotoluene	11.451	91	3382	0.591	ug/l #	46
83) tert-Butylbenzene	11.750	119	13697	2.503	ug/l #	55
84) 1,2,4-Trimethylbenzene	11.750	105	115445	20.187	ug/l	98
85) sec-Butylbenzene	11.750	105	115445	16.251	ug/l #	57
86) p-Isopropyltoluene	11.969	119	1498	0.264	ug/l	97
89) n-Butylbenzene	12.329	91	3360	0.613	ug/l #	25
90) Hexachloroethane	12.530	117	638	0.666	ug/l #	17
95) Naphthalene	13.774	128	28243	4.408	ug/l	99

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

Quant Time: Jan 18 02:43:47 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



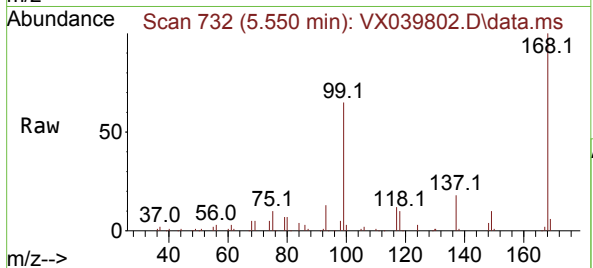


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

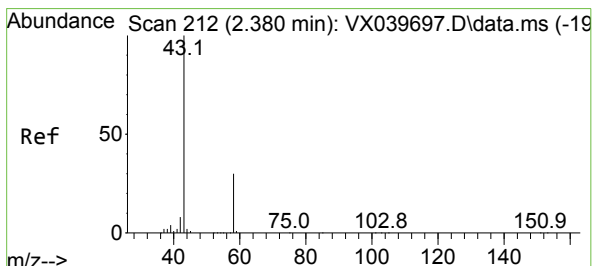
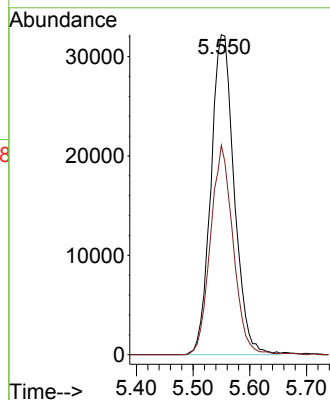
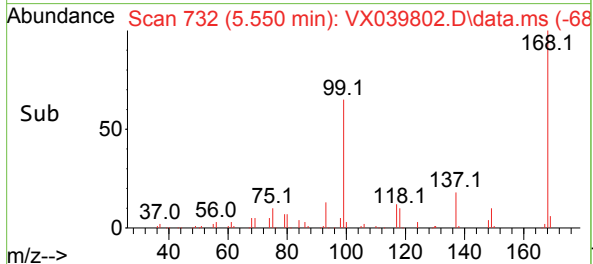
Instrument :

MSVOA_X

ClientSampleId :

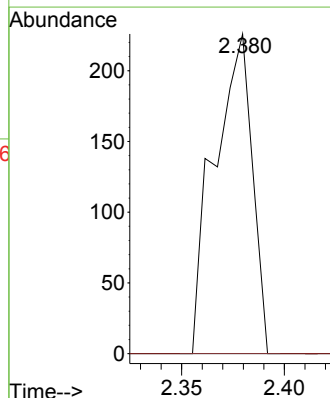
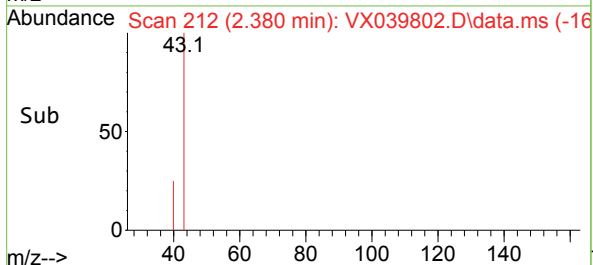
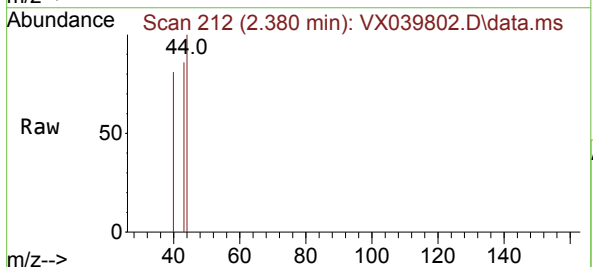


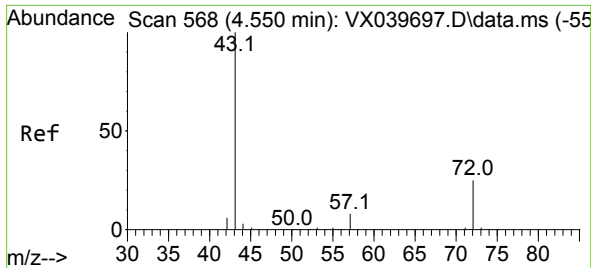
Tgt Ion:168 Resp: 91778
Ion Ratio Lower Upper
168 100
99 65.4 56.6 85.0



#16
Acetone
Concen: 0.335 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Tgt Ion: 43 Resp: 290
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#

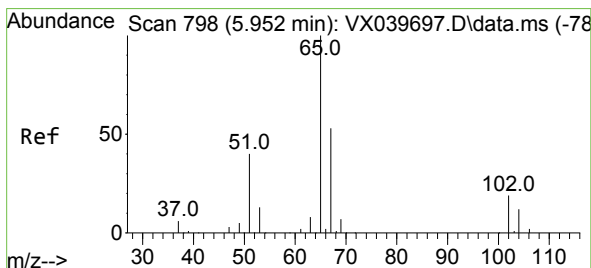
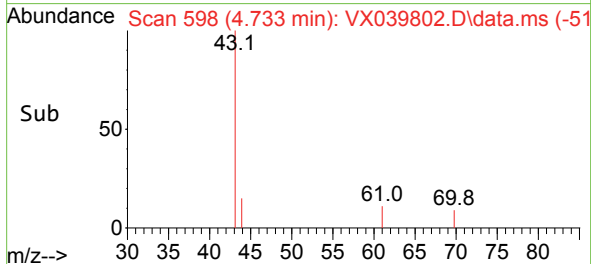
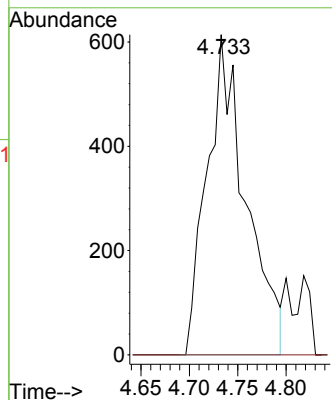
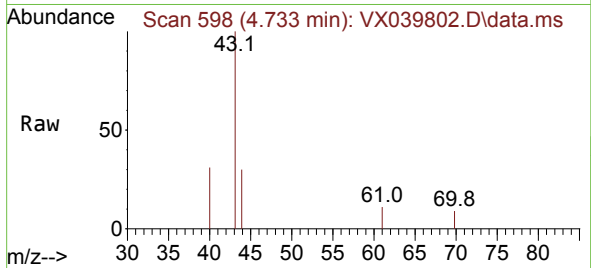




#25
2-Butanone
Concen: 1.377 ug/l
RT: 4.733 min Scan# 51
Delta R.T. 0.183 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

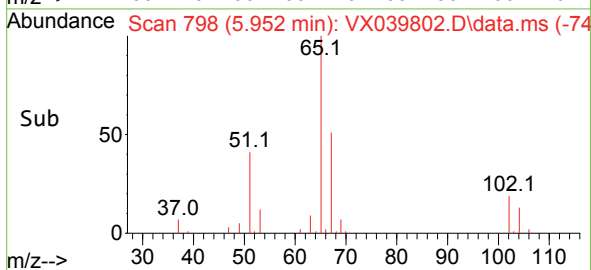
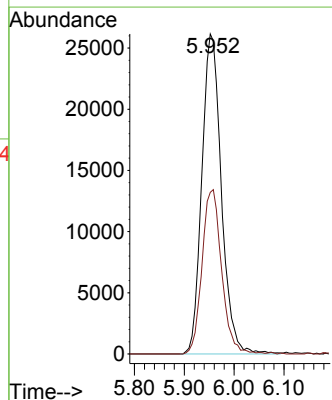
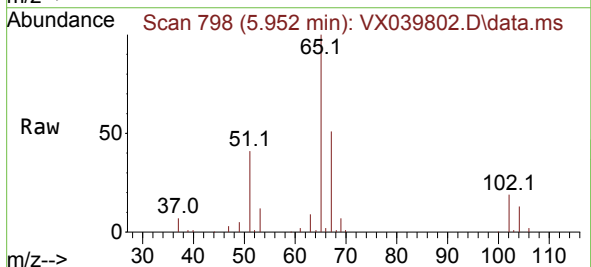
Instrument :
MSVOA_X
ClientSampleId :

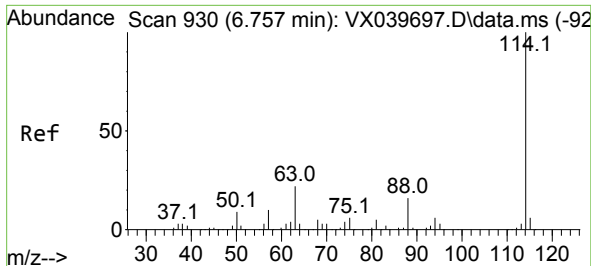
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#



#33
1,2-Dichloroethane-d4
Concen: 46.243 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Tgt Ion: 65 Resp: 71094
Ion Ratio Lower Upper
65 100
67 51.5 0.0 100.2

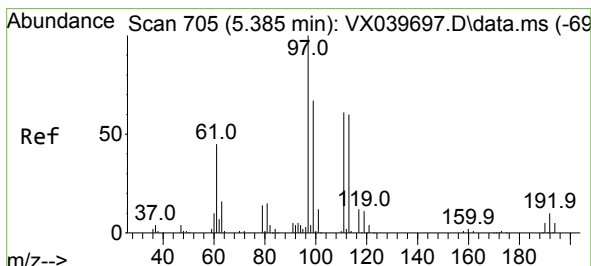
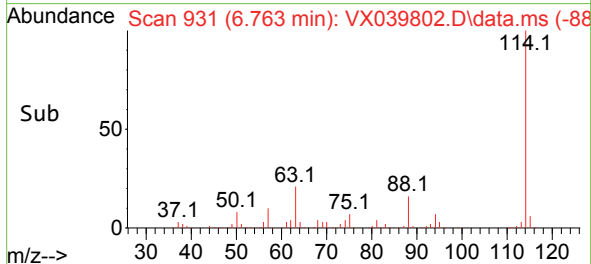
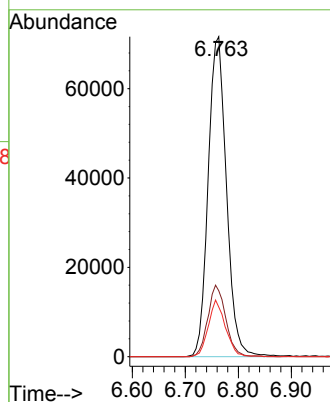
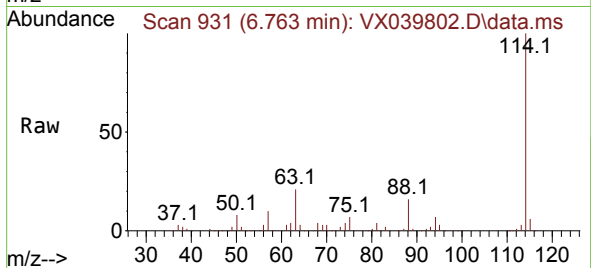




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

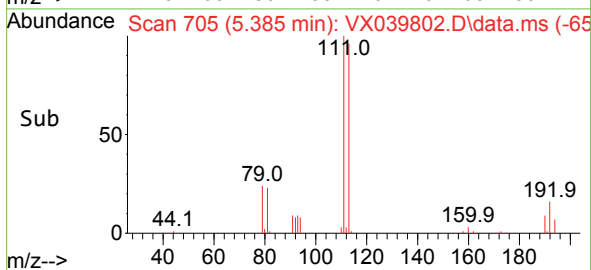
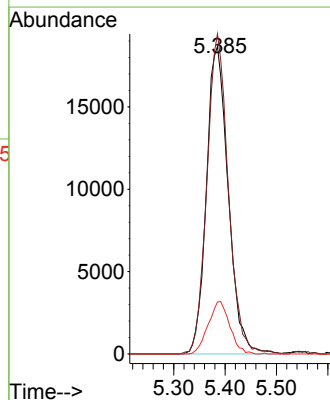
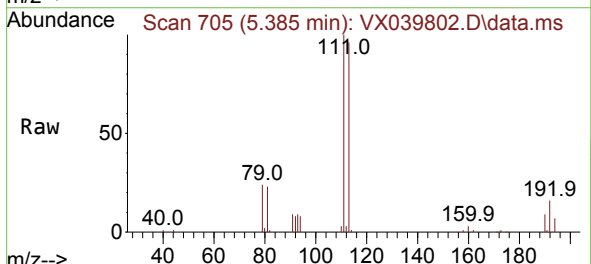
Instrument :
MSVOA_X
ClientSampleId :

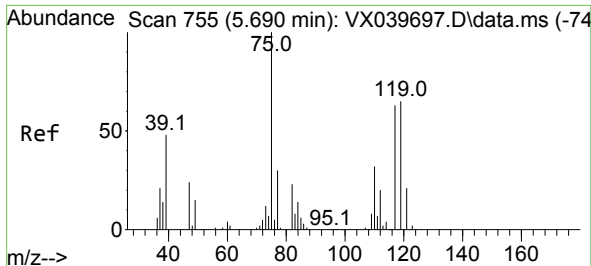
Tgt Ion:114 Resp: 171271
Ion Ratio Lower Upper
114 100
63 20.6 0.0 45.0
88 15.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 47.729 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

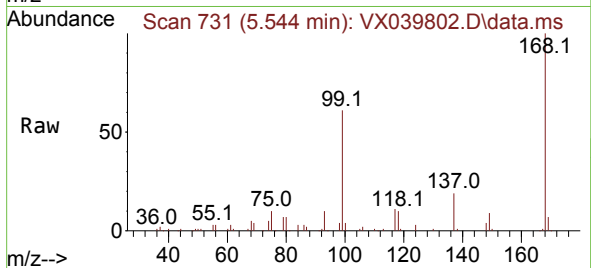
Tgt Ion:113 Resp: 55060
Ion Ratio Lower Upper
113 100
111 102.0 82.9 124.3
192 16.8 13.3 19.9



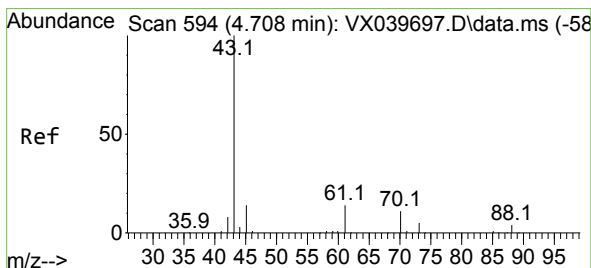
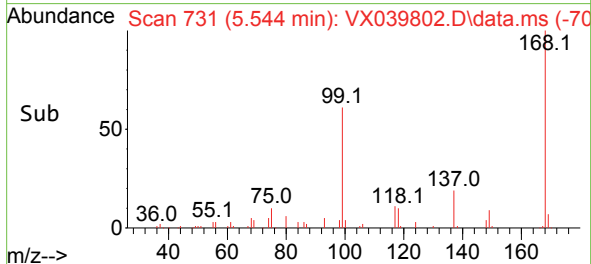
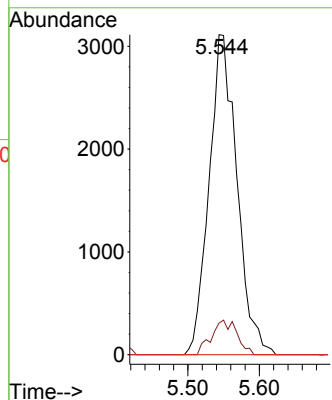


#36
1,1-Dichloropropene
Concen: 4.687 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Instrument :
MSVOA_X
ClientSampleId :

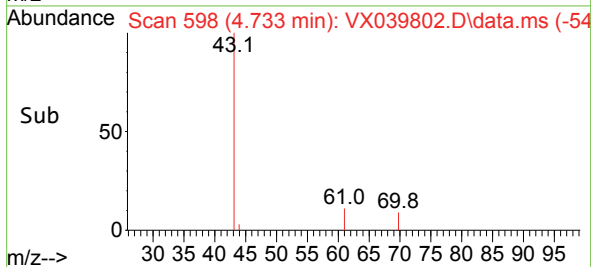
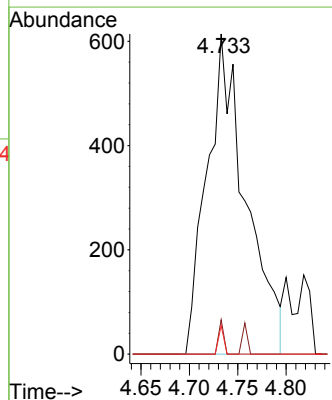
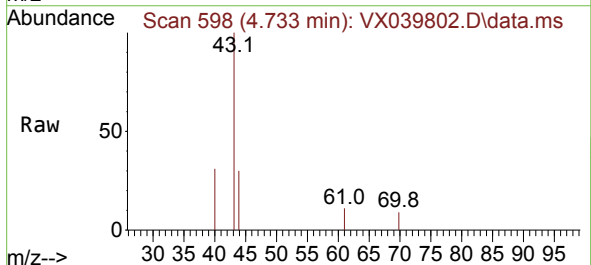


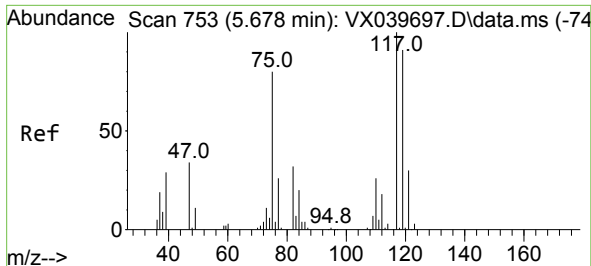
Tgt Ion: 75 Resp: 8416
Ion Ratio Lower Upper
75 100
110 9.9 17.0 50.9#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 0.714 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.024 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

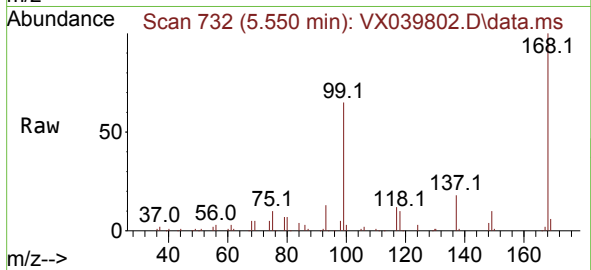
Tgt Ion: 43 Resp: 1711
Ion Ratio Lower Upper
43 100
61 1.4 10.6 16.0#
70 1.2 8.3 12.5#



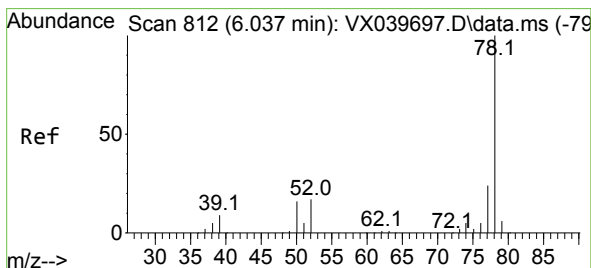
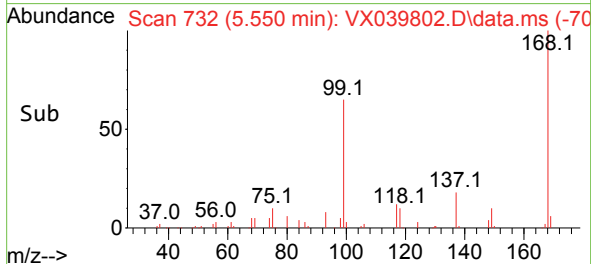
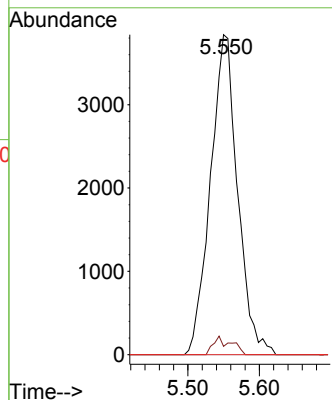


#38
Carbon Tetrachloride
Concen: 6.169 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Instrument :
MSVOA_X
ClientSampleId :

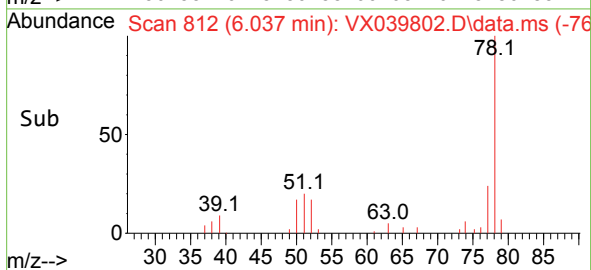
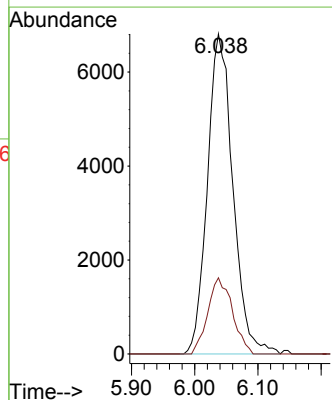
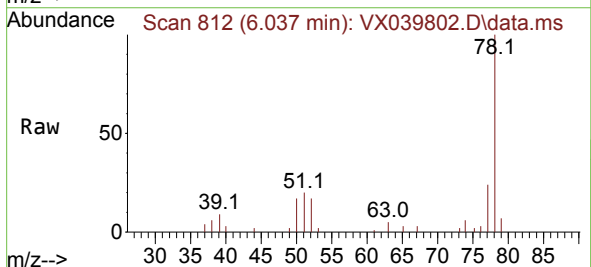


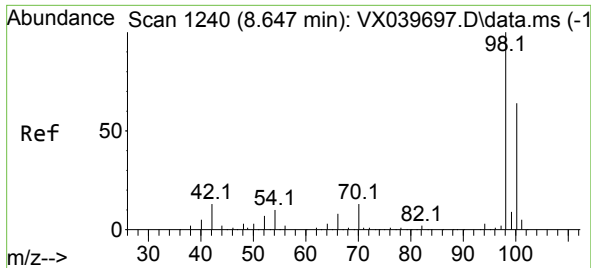
Tgt Ion:117 Resp: 10145
Ion Ratio Lower Upper
117 100
119 2.6 78.2 117.2#
121 0.0 24.4 36.6#



#40
Benzene
Concen: 3.749 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Tgt Ion: 78 Resp: 19060
Ion Ratio Lower Upper
78 100
77 23.8 19.3 28.9

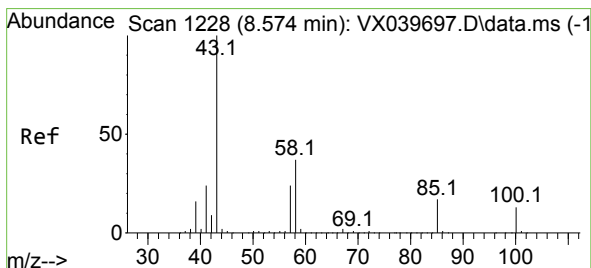
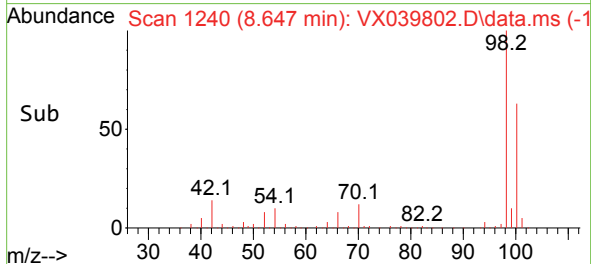
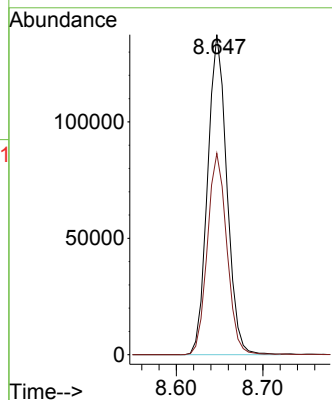
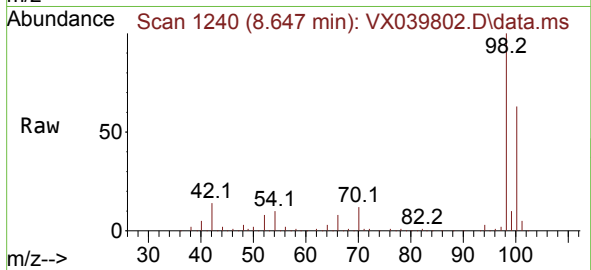




#50
Toluene-d8
Concen: 48.788 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

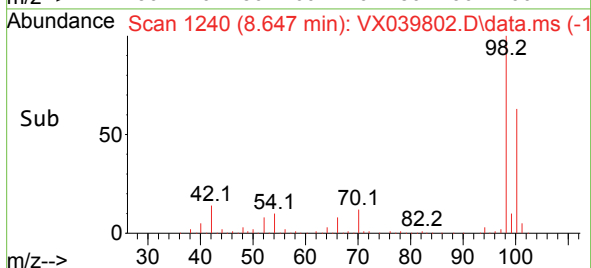
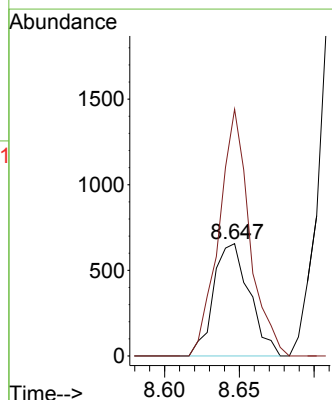
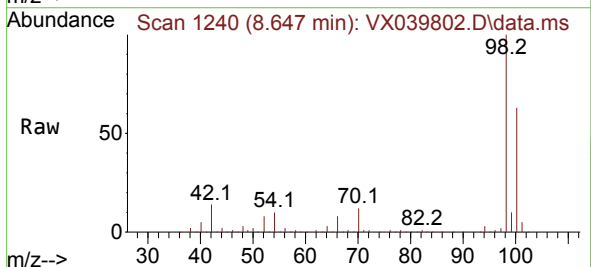
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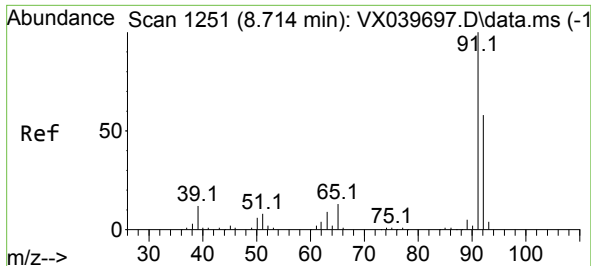
Tgt Ion: 98 Resp: 212269
Ion Ratio Lower Upper
98 100
100 63.5 53.1 79.7



#51
4-Methyl-2-Pentanone
Concen: 0.453 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Tgt Ion: 43 Resp: 1096
Ion Ratio Lower Upper
43 100
58 188.3 30.4 45.6#

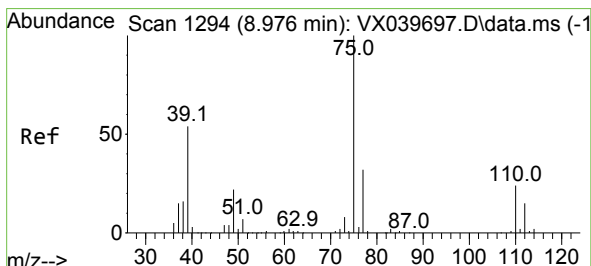
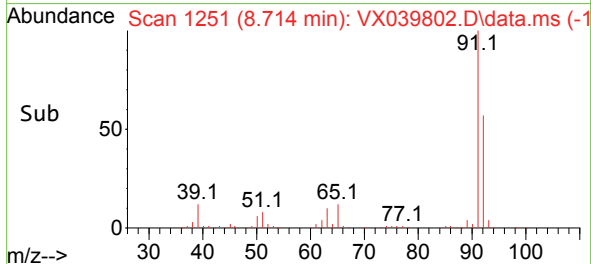
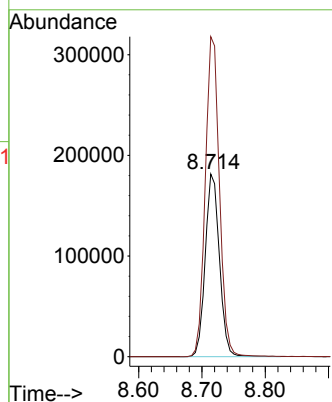
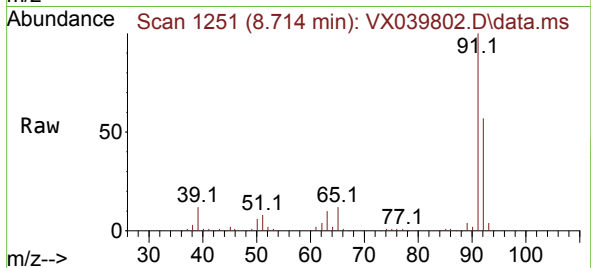




#52
Toluene
Concen: 93.322 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

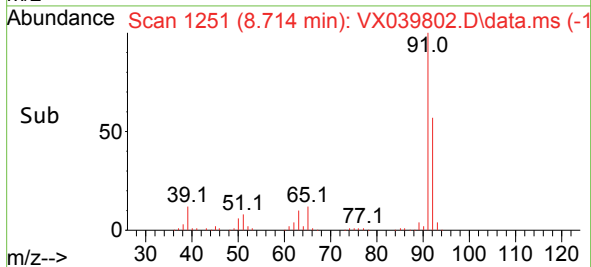
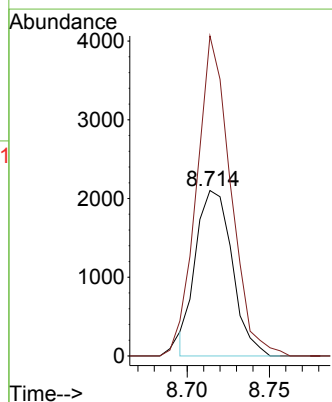
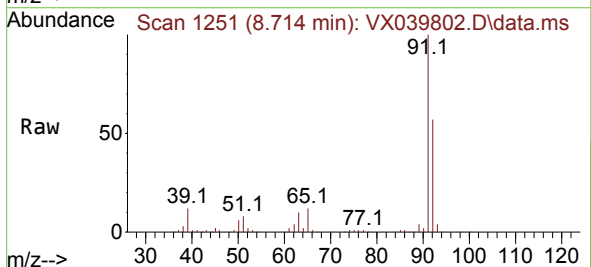
Instrument :
MSVOA_X
ClientSampleId :

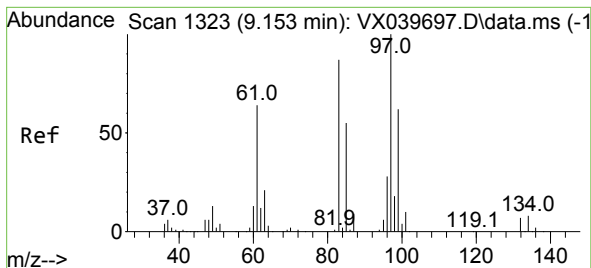
Tgt Ion: 92 Resp: 283415
Ion Ratio Lower Upper
92 100
91 174.8 134.2 201.2



#53
t-1,3-Dichloropropene
Concen: 1.744 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.262 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Tgt Ion: 75 Resp: 3228
Ion Ratio Lower Upper
75 100
77 190.4 25.7 38.5#





#55

1,1,2-Trichloroethane

Concen: 0.418 ug/l

RT: 9.019 min Scan# 11

Delta R.T. -0.134 min

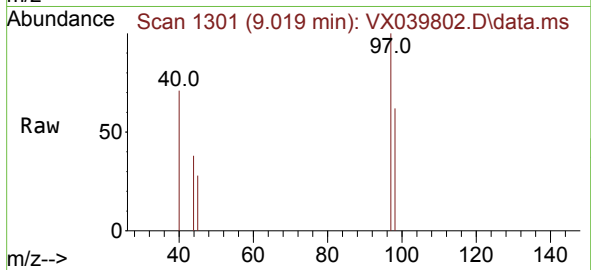
Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 97 Resp: 541

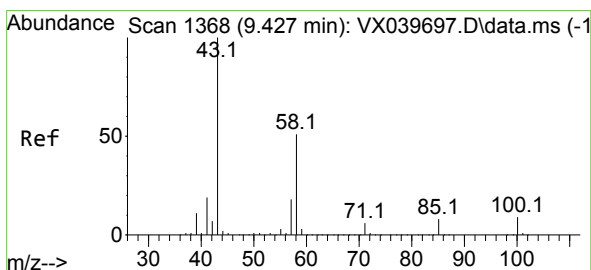
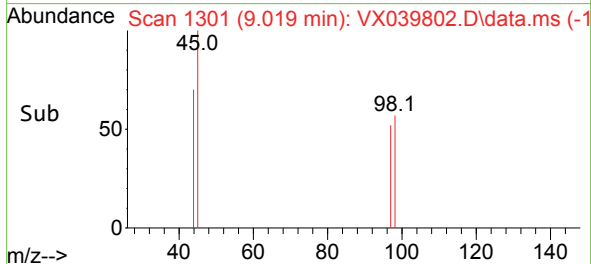
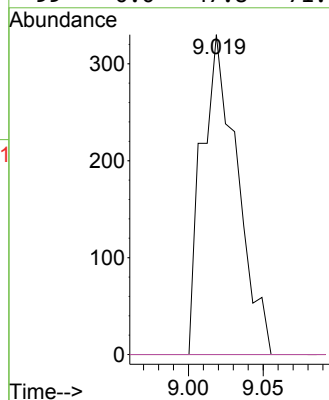
Ion Ratio Lower Upper

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: 0.624 ug/l

RT: 9.592 min Scan# 1395

Delta R.T. 0.165 min

Lab File: VX039802.D

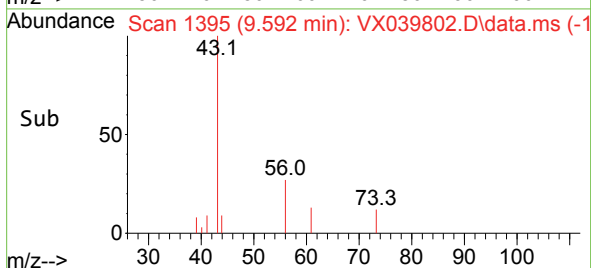
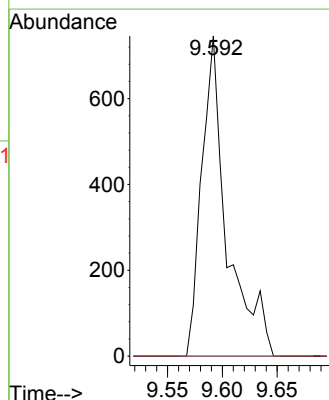
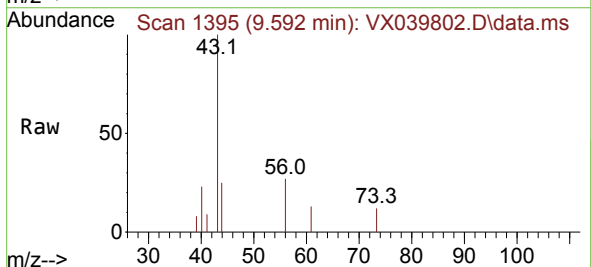
Acq: 17 Jan 2024 15:08

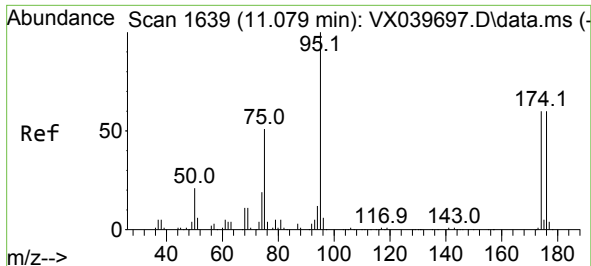
Tgt Ion: 43 Resp: 1196

Ion Ratio Lower Upper

43 100

58 0.0 26.2 78.5#

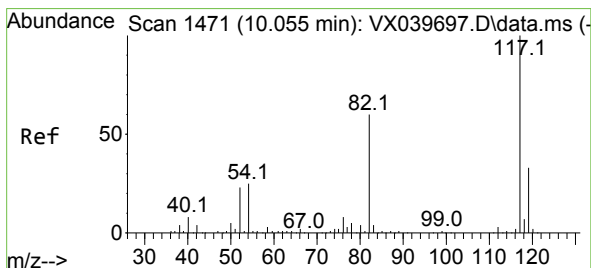
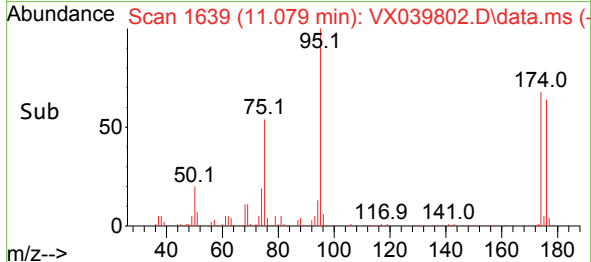
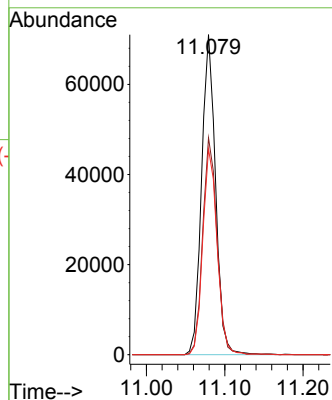
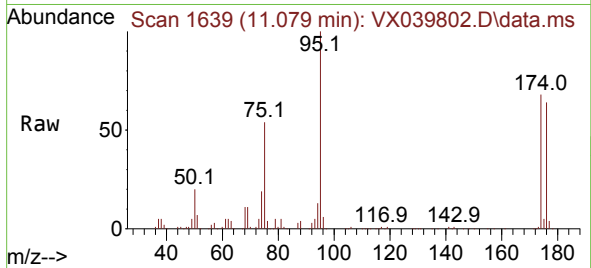




#62
4-Bromofluorobenzene
Concen: 51.671 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

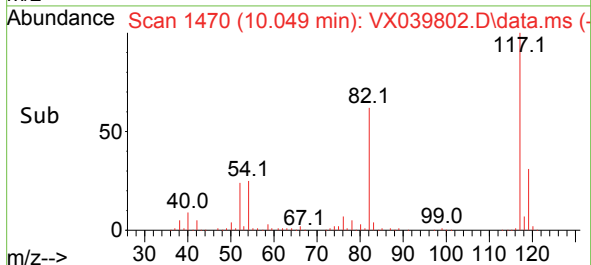
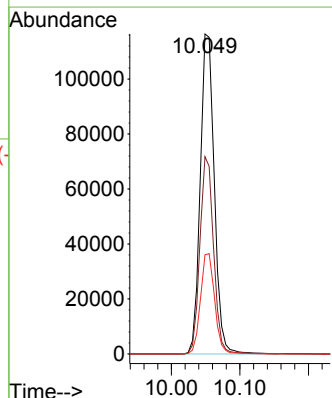
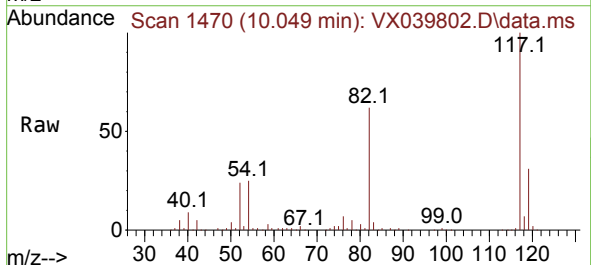
Instrument :
MSVOA_X
ClientSampleId :

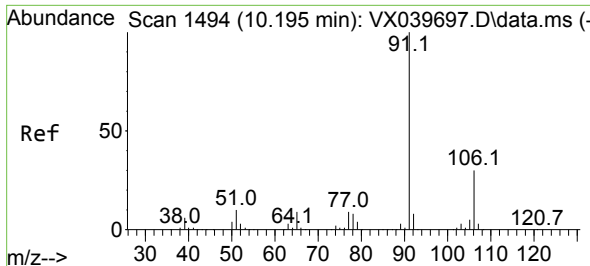
Tgt Ion: 95 Resp: 87912
Ion Ratio Lower Upper
95 100
174 69.8 0.0 135.6
176 66.1 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Tgt Ion: 117 Resp: 166521
Ion Ratio Lower Upper
117 100
82 61.6 46.2 69.4
119 31.0 25.5 38.3





#67

Ethyl Benzene

Concen: 20.041 ug/l

RT: 10.189 min Scan# 1494

Delta R.T. -0.006 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

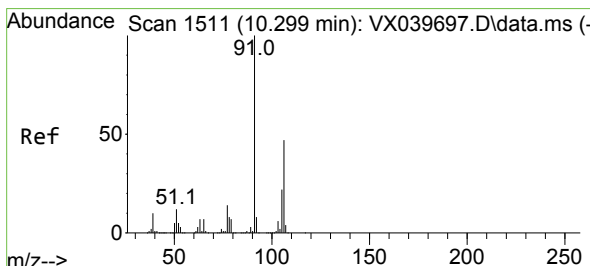
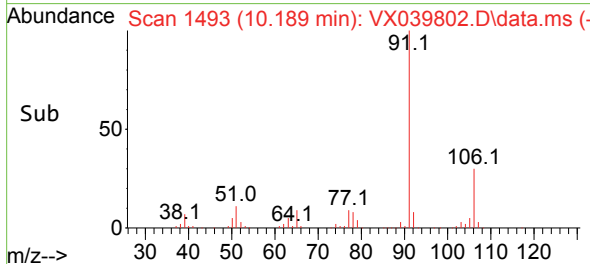
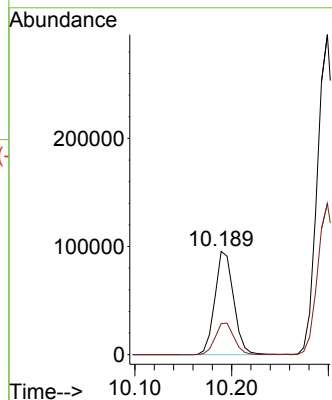
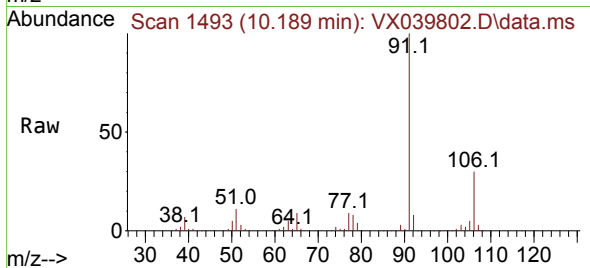
ClientSampleId :

Tgt Ion: 91 Resp: 129046

Ion Ratio Lower Upper

91 100

106 30.0 24.9 37.3



#68

m/p-Xylenes

Concen: 78.921 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. 0.000 min

Lab File: VX039802.D

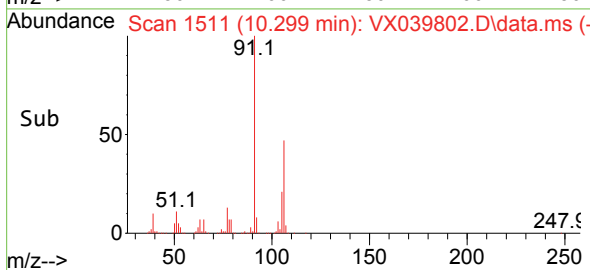
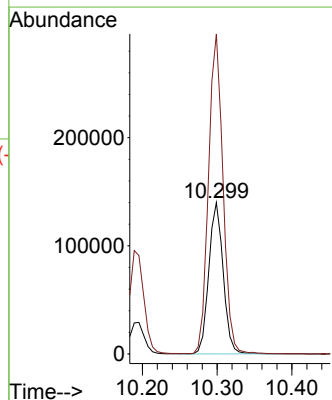
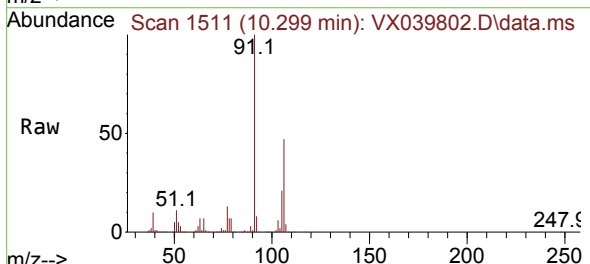
Acq: 17 Jan 2024 15:08

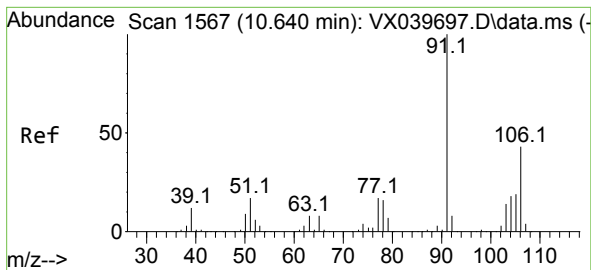
Tgt Ion:106 Resp: 186890

Ion Ratio Lower Upper

106 100

91 213.6 165.5 248.3





#69

o-Xylene

Concen: 37.408 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. 0.000 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

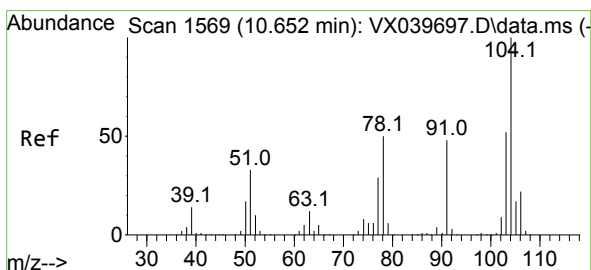
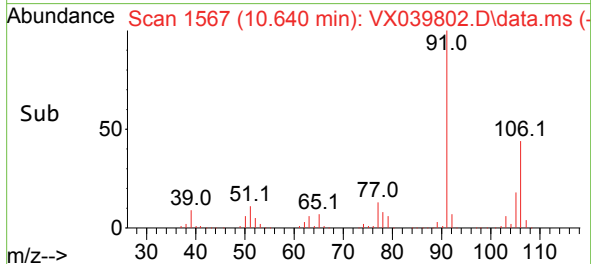
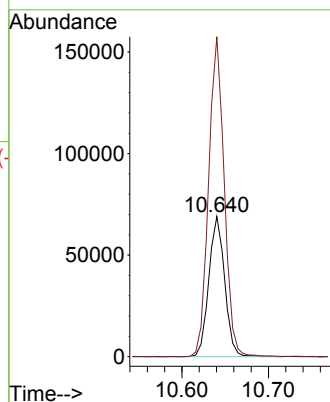
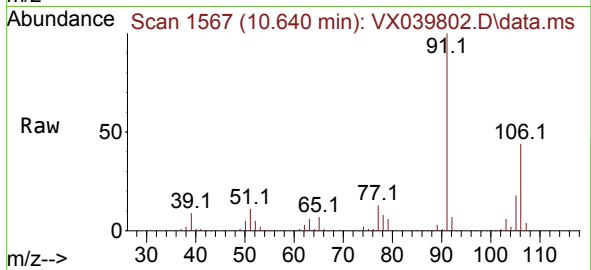
ClientSampleId :

Tgt Ion:106 Resp: 87727

Ion Ratio Lower Upper

106 100

91 225.5 108.9 326.8



#70

Styrene

Concen: 1.215 ug/l

RT: 10.640 min Scan# 1567

Delta R.T. -0.012 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

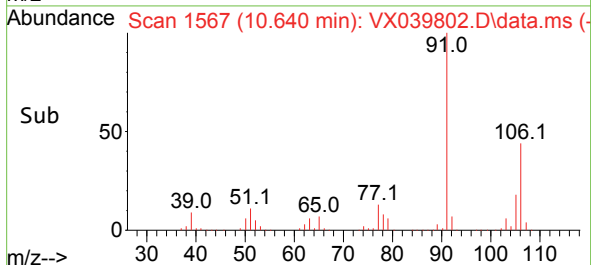
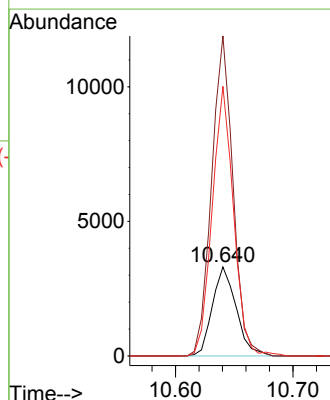
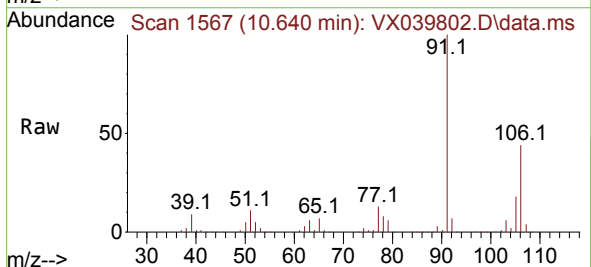
Tgt Ion:104 Resp: 4653

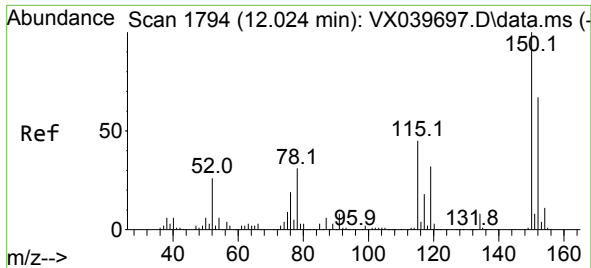
Ion Ratio Lower Upper

104 100

78 322.5 43.6 65.4#

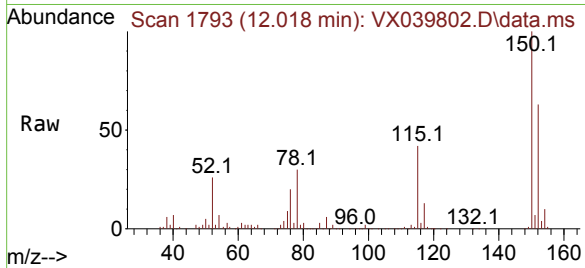
103 272.0 43.6 65.4#



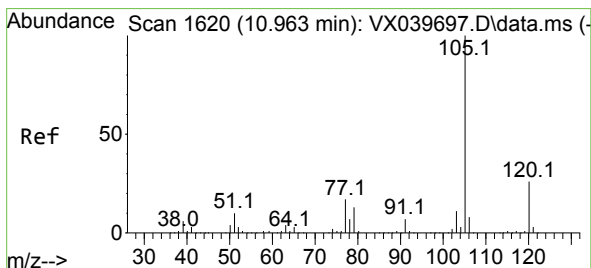
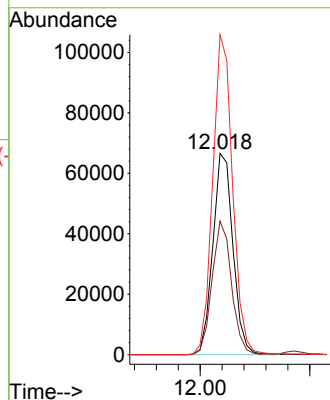
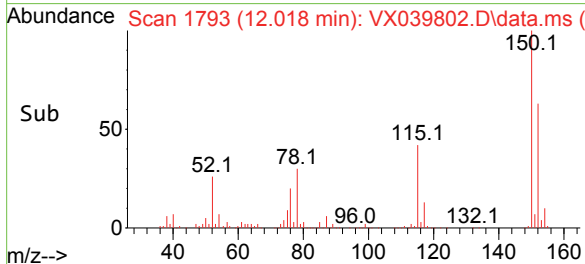


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

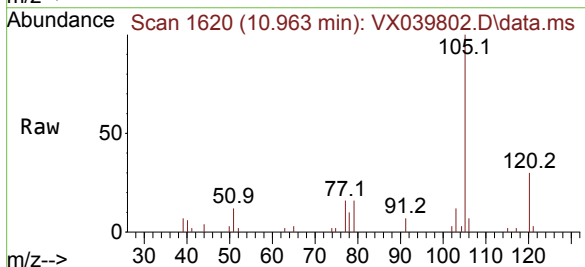
Instrument :
MSVOA_X
ClientSampleId :



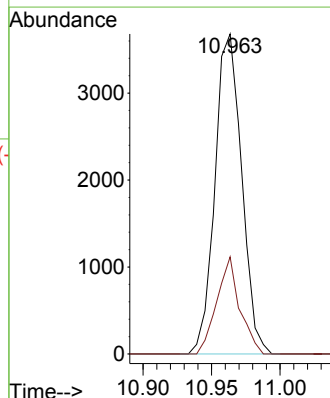
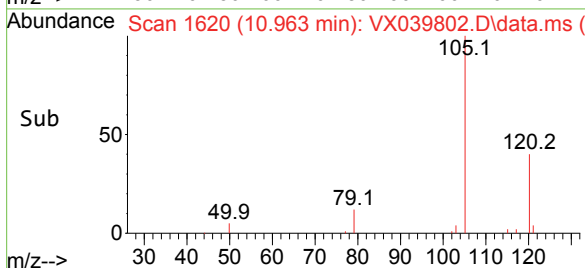
Tgt Ion:152 Resp: 84770
Ion Ratio Lower Upper
152 100
115 64.4 43.3 129.9
150 157.4 0.0 345.0

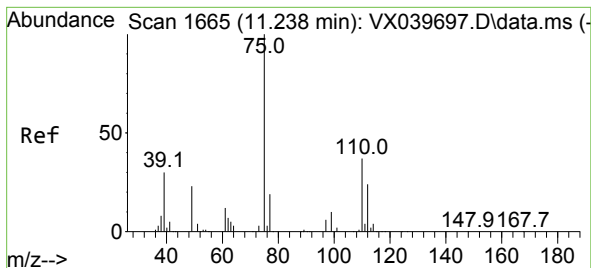


#73
Isopropylbenzene
Concen: 0.738 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08



Tgt Ion:105 Resp: 4984
Ion Ratio Lower Upper
105 100
120 26.1 12.9 38.6





#76

1,2,3-Trichloropropane

Concen: 21.505 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

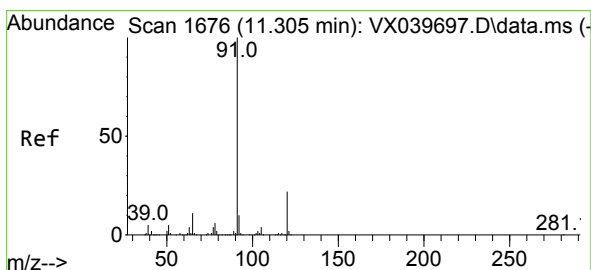
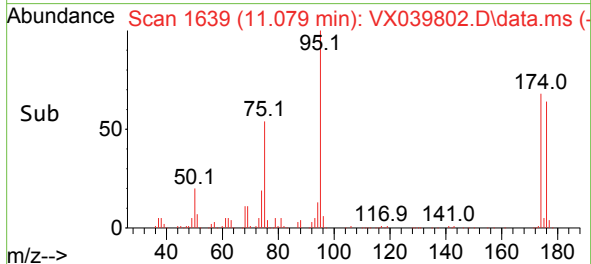
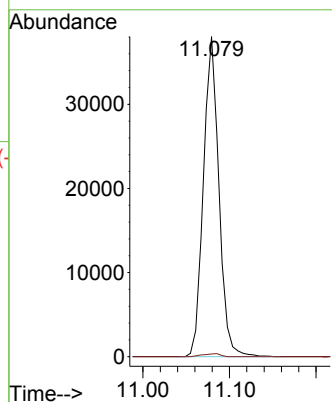
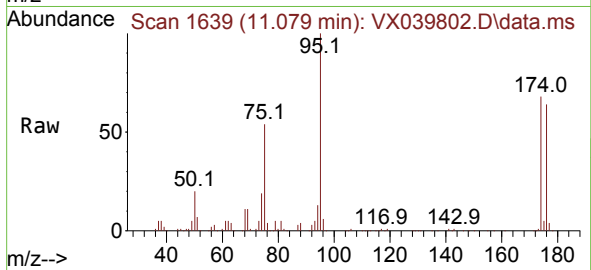
ClientSampleId :

Tgt Ion: 75 Resp: 47263

Ion Ratio Lower Upper

75 100

77 1.1 19.1 57.5#



#78

n-propylbenzene

Concen: 1.702 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VX039802.D

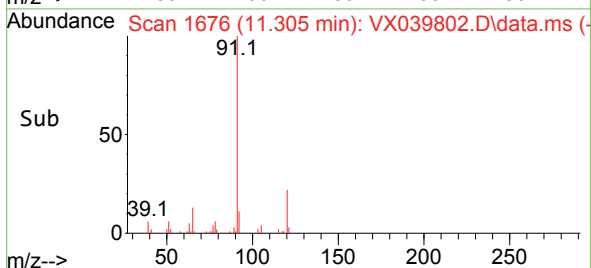
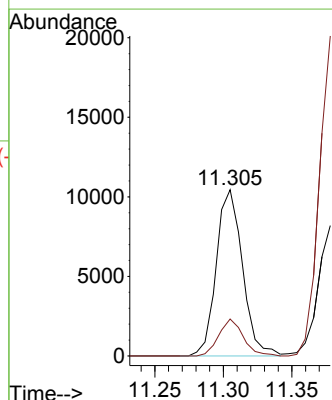
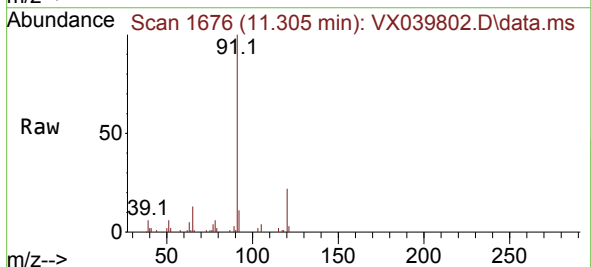
Acq: 17 Jan 2024 15:08

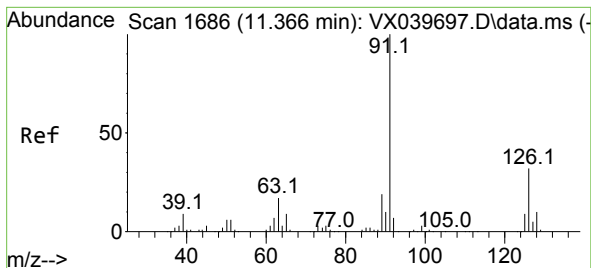
Tgt Ion: 91 Resp: 13905

Ion Ratio Lower Upper

91 100

120 20.8 11.5 34.4





#79

2-Chlorotoluene

Concen: 2.751 ug/l

RT: 11.378 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

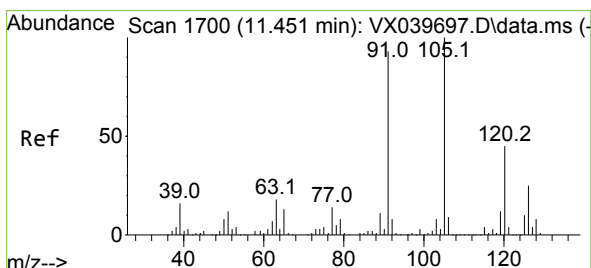
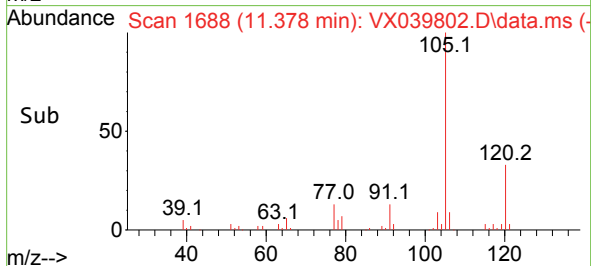
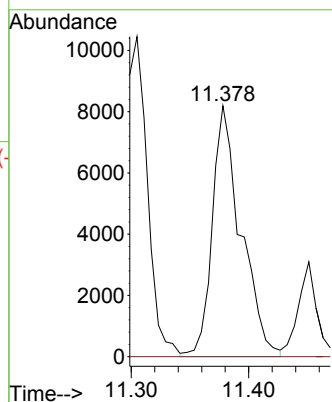
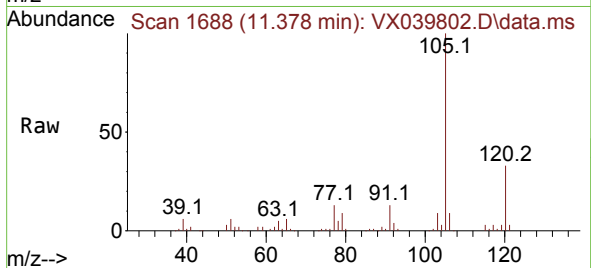
ClientSampleId :

Tgt Ion: 91 Resp: 13887

Ion Ratio Lower Upper

91 100

126 0.0 16.3 48.8#



#80

1,3,5-Trimethylbenzene

Concen: 5.161 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX039802.D

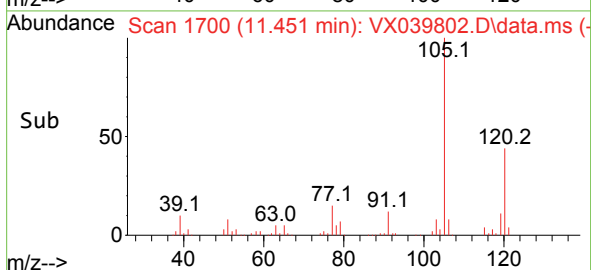
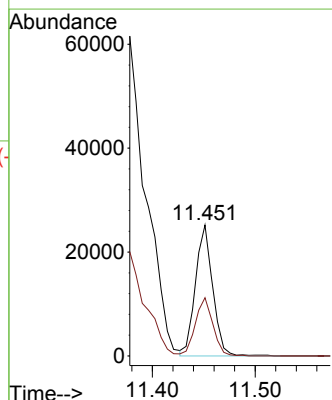
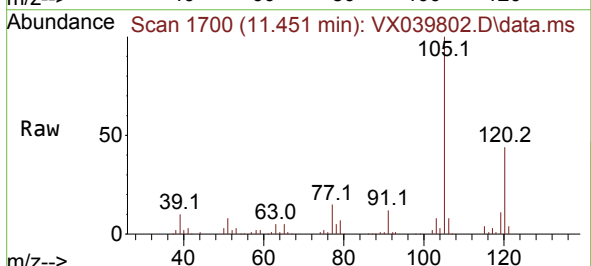
Acq: 17 Jan 2024 15:08

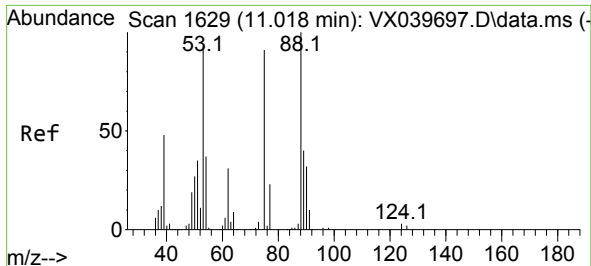
Tgt Ion:105 Resp: 29581

Ion Ratio Lower Upper

105 100

120 45.1 24.1 72.3

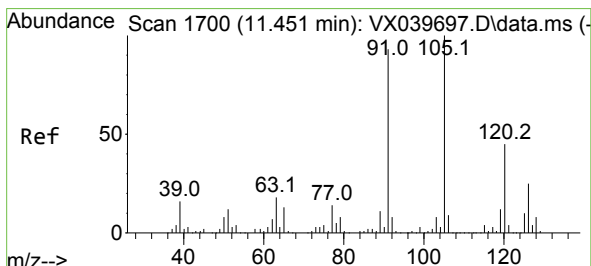
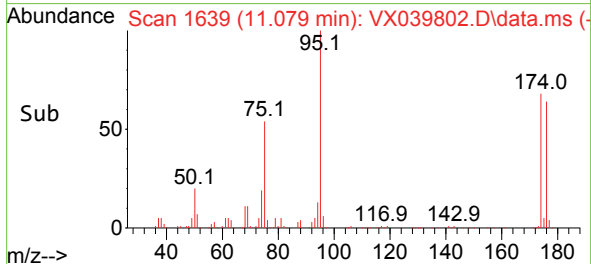
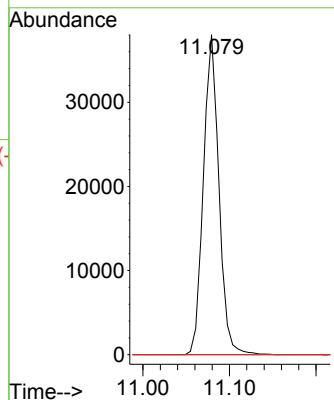
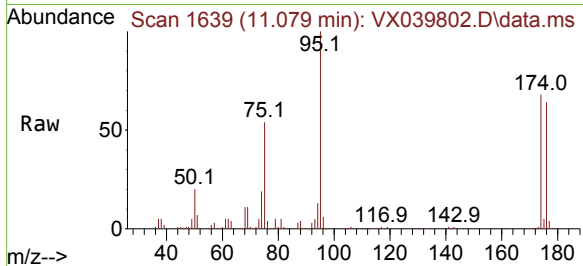




#81
trans-1,4-Dichloro-2-butene
Concen: 62.566 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

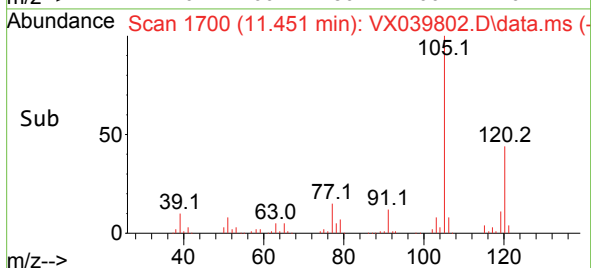
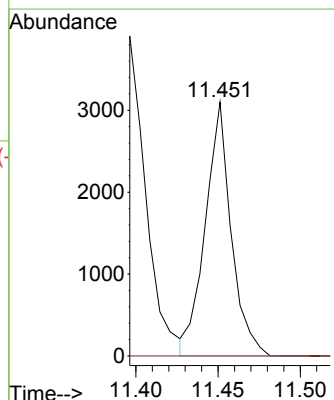
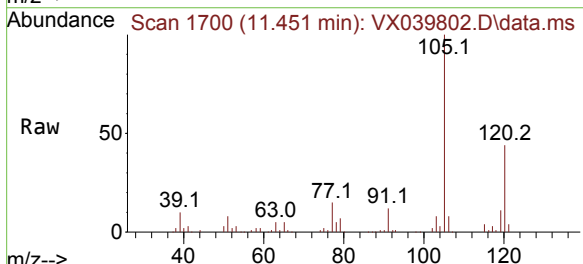
Instrument :
MSVOA_X
ClientSampleId :

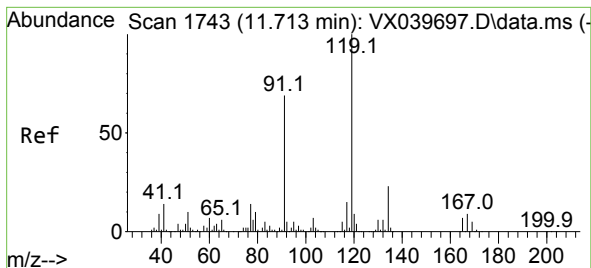
Tgt Ion: 75 Resp: 47263
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#82
4-Chlorotoluene
Concen: 0.591 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX039802.D
Acq: 17 Jan 2024 15:08

Tgt Ion: 91 Resp: 3382
Ion Ratio Lower Upper
91 100
126 0.0 14.2 42.6#





#83

tert-Butylbenzene

Concen: 2.503 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.037 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :

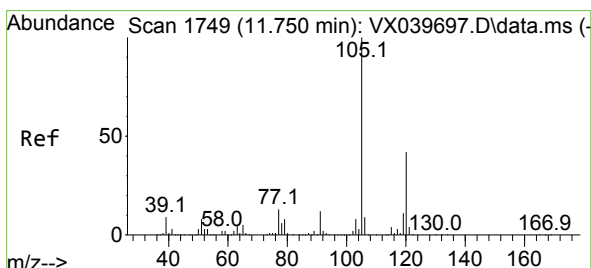
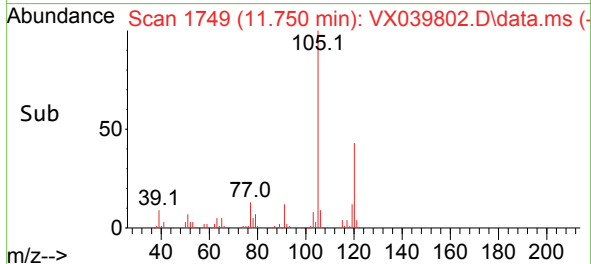
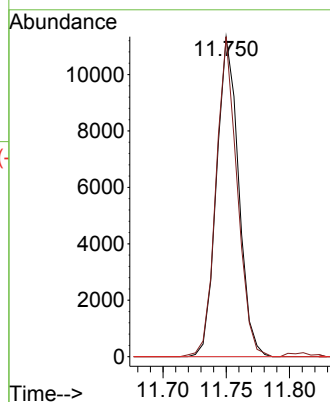
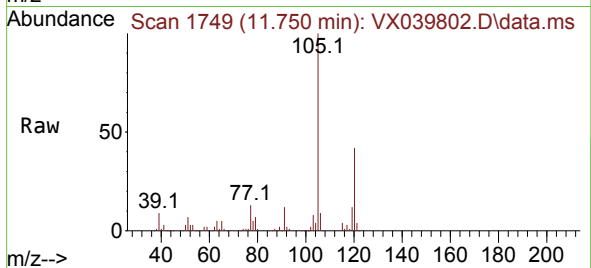
Tgt Ion:119 Resp: 13697

Ion Ratio Lower Upper

119 100

91 96.1 31.2 93.6#

134 0.0 11.7 35.0#



#84

1,2,4-Trimethylbenzene

Concen: 20.187 ug/l

RT: 11.750 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VX039802.D

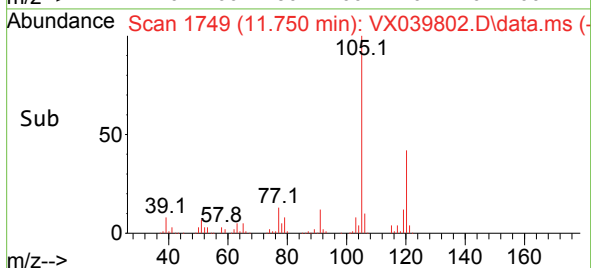
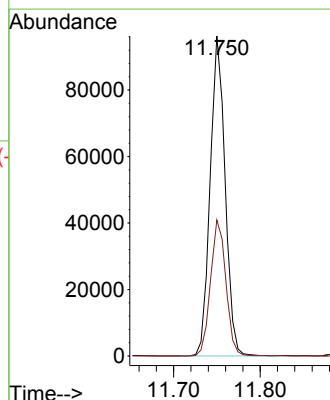
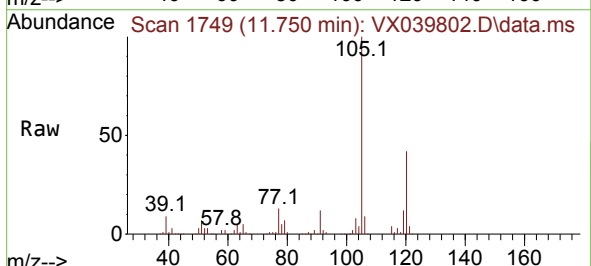
Acq: 17 Jan 2024 15:08

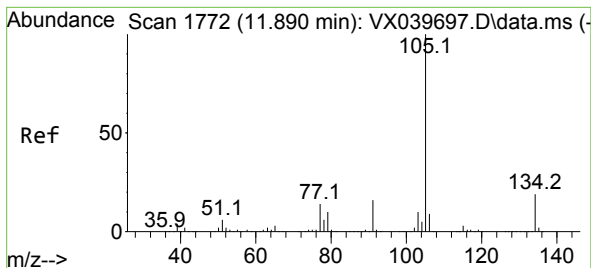
Tgt Ion:105 Resp: 115445

Ion Ratio Lower Upper

105 100

120 43.7 21.2 63.6





#85

sec-Butylbenzene

Concen: 16.251 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.140 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

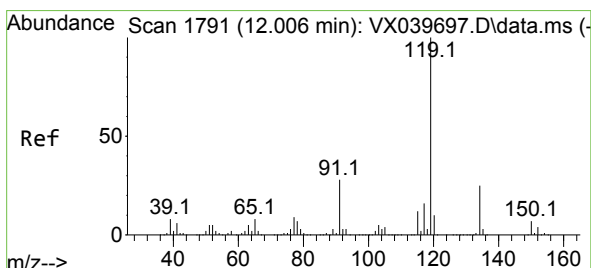
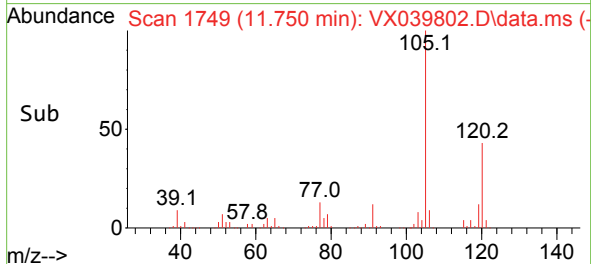
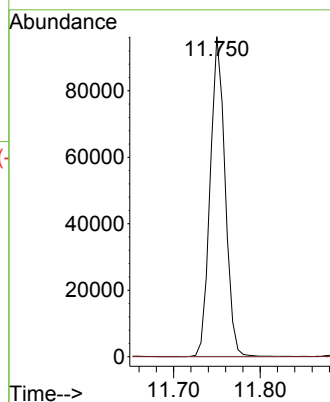
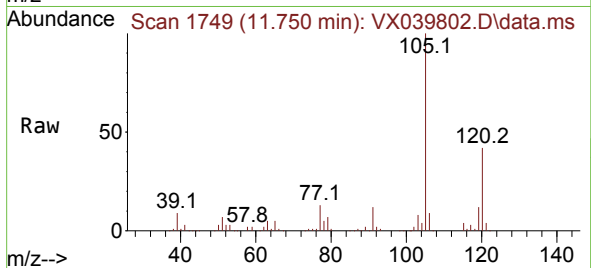
ClientSampleId :

Tgt Ion:105 Resp: 115445

Ion Ratio Lower Upper

105 100

134 0.0 9.8 29.4#



#86

p-Isopropyltoluene

Concen: 0.264 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.037 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

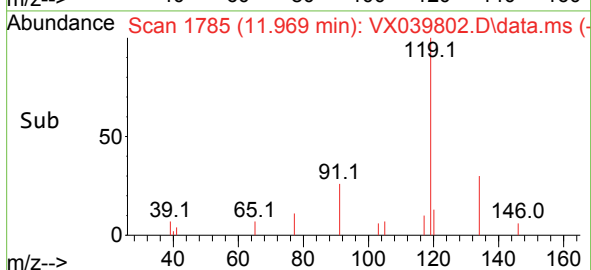
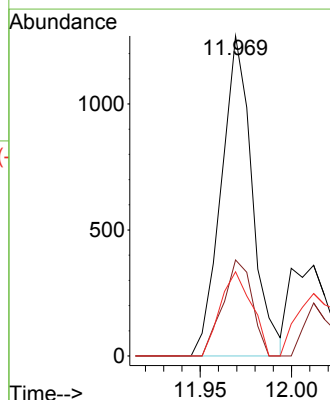
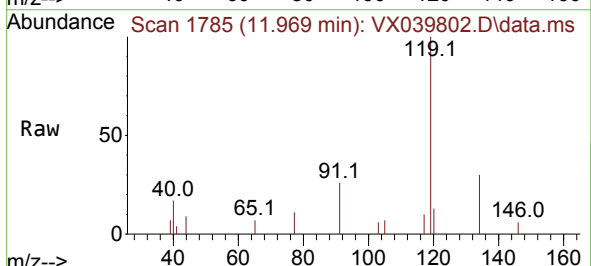
Tgt Ion:119 Resp: 1498

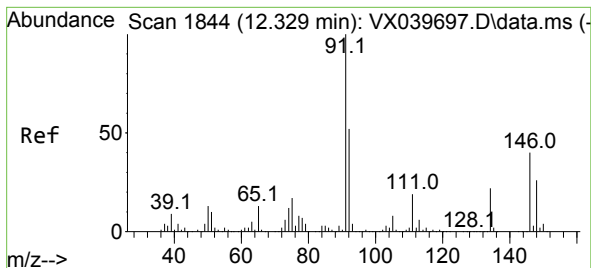
Ion Ratio Lower Upper

119 100

134 28.4 12.8 38.3

91 26.8 13.1 39.3





#89

n-Butylbenzene

Concen: 0.613 ug/l

RT: 12.329 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :

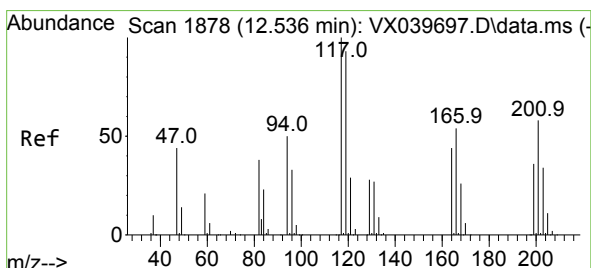
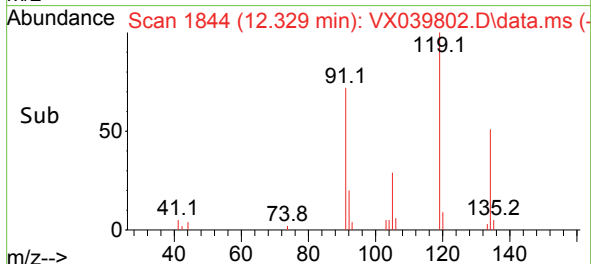
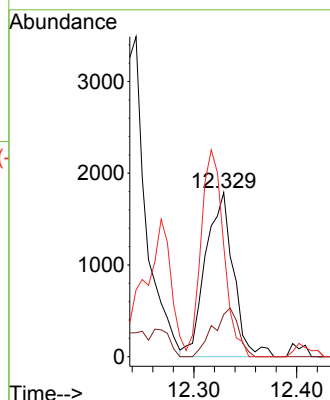
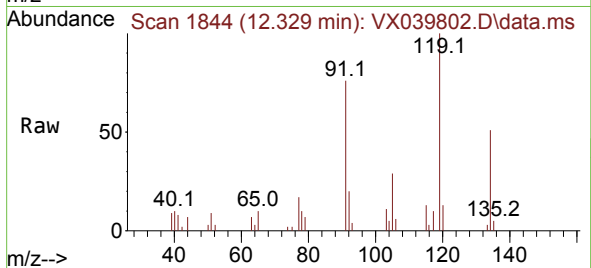
Tgt Ion: 91 Resp: 3360

Ion Ratio Lower Upper

91 100

92 26.7 27.4 82.0#

134 102.5 12.6 37.8#



#90

Hexachloroethane

Concen: 0.666 ug/l

RT: 12.530 min Scan# 1877

Delta R.T. -0.006 min

Lab File: VX039802.D

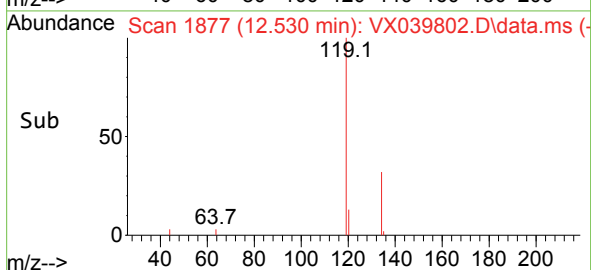
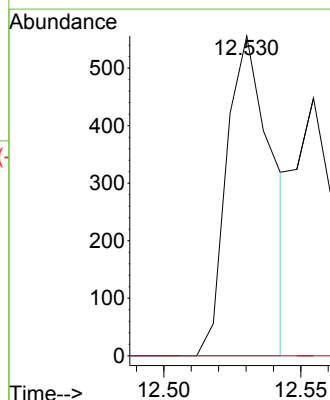
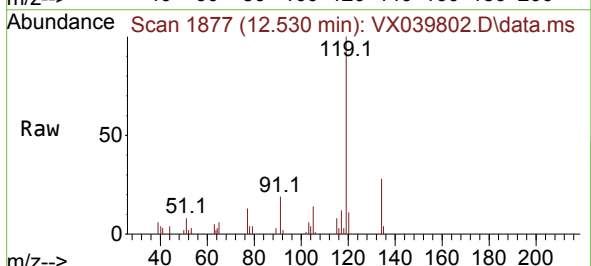
Acq: 17 Jan 2024 15:08

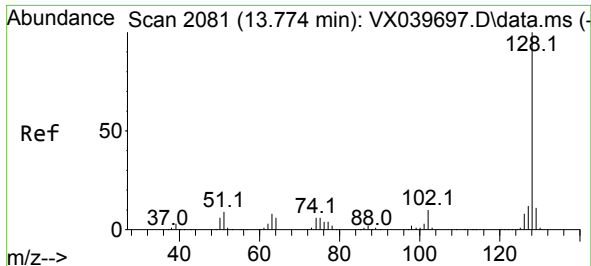
Tgt Ion: 117 Resp: 638

Ion Ratio Lower Upper

117 100

201 0.0 32.9 98.6#





#95

Naphthalene

Concen: 4.408 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

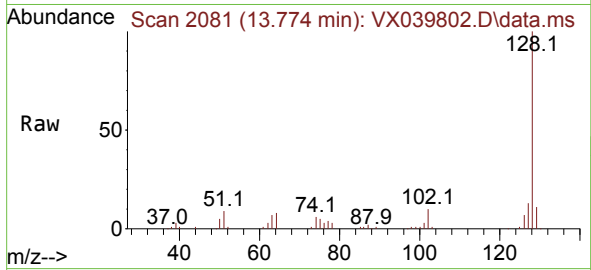
Lab File: VX039802.D

Acq: 17 Jan 2024 15:08

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 28243

Ion Ratio Lower Upper

128 100

127 13.5 10.3 15.5

129 10.7 8.8 13.2

