

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051425\
 Data File : VX046191.D
 Acq On : 14 May 2025 13:59
 Operator : JC/MD
 Sample : Q2001-09DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A1-06-GDL

Quant Time: May 15 01:22:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X050525W.M
 Quant Title : SW846 8260
 QLast Update : Tue May 06 07:12:22 2025
 Response via : Initial Calibration

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

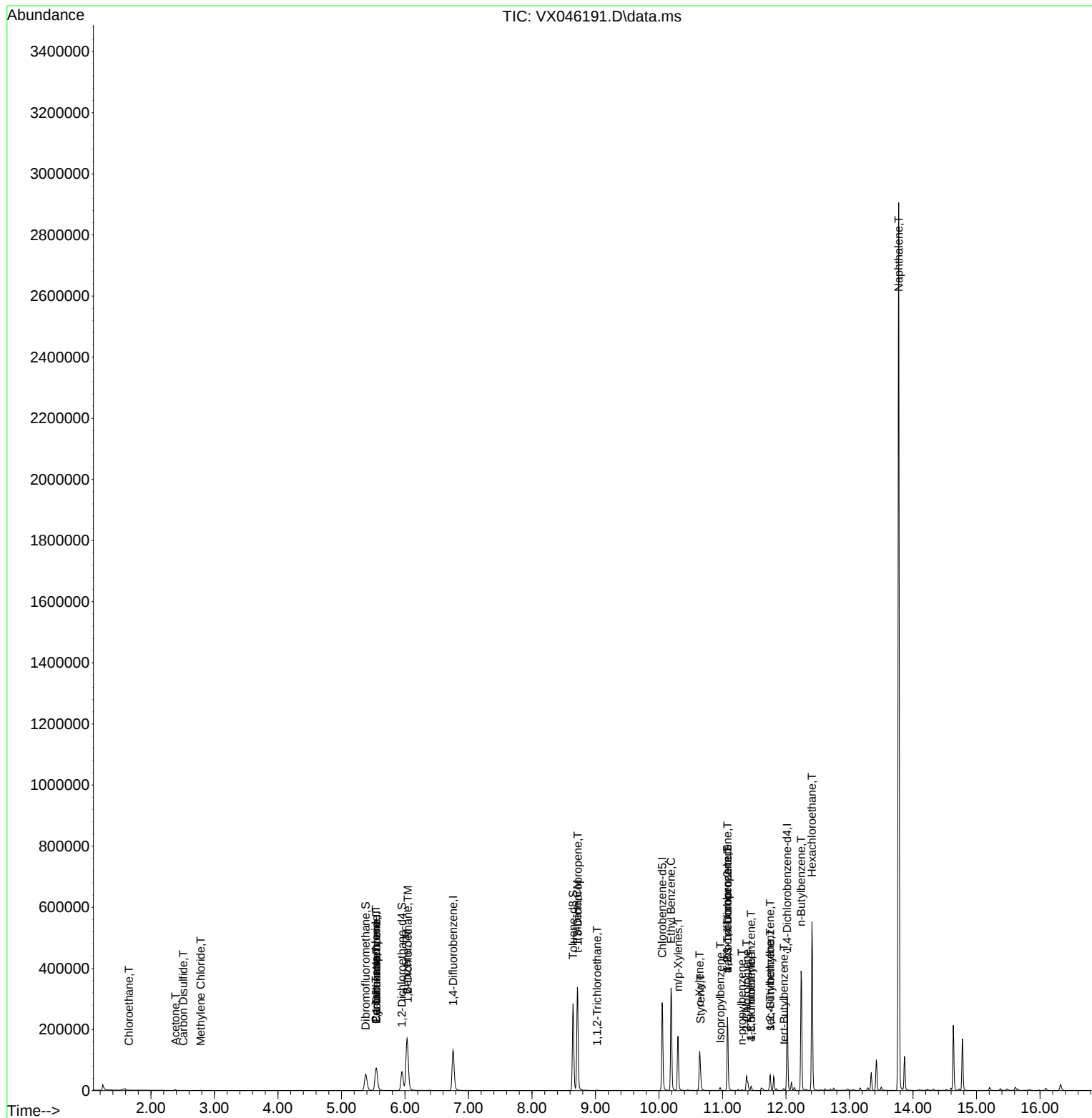
Internal Standards						
1) Pentafluorobenzene	5.550	168	63265	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	127738	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	121763	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54212	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	62435	52.935	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.880%			
35) Dibromofluoromethane	5.379	113	46167	50.190	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.380%			
50) Toluene-d8	8.647	98	158190	49.687	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.380%			
62) 4-Bromofluorobenzene	11.079	95	63011	51.596	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.200%			
Target Compounds						Qvalue
6) Chloroethane	1.654	64	191	0.409	ug/l #	44
16) Acetone	2.386	43	2902	6.136	ug/l	93
17) Carbon Disulfide	2.508	76	478	0.269	ug/l #	76
20) Methylene Chloride	2.782	84	307	0.339	ug/l #	68
31) Cyclohexane	5.550	56	1903	1.354	ug/l #	21
36) 1,1-Dichloropropene	5.550	75	6389	5.169	ug/l #	51
38) Carbon Tetrachloride	5.544	117	7574	5.454	ug/l #	16
40) Benzene	6.031	78	197487	54.553	ug/l	97
42) 1,2-Dichloroethane	6.044	62	2353	1.506	ug/l #	78
52) Toluene	8.714	92	122622	55.241	ug/l	100
53) t-1,3-Dichloropropene	8.720	75	1564	1.258	ug/l #	1
55) 1,1,2-Trichloroethane	9.025	97	1225	1.400	ug/l #	15
67) Ethyl Benzene	10.189	91	191996	40.869	ug/l	100
68) m/p-Xylenes	10.299	106	39363	22.909	ug/l	99
69) o-Xylene	10.640	106	24025	14.343	ug/l	95
70) Styrene	10.653	104	16031	5.842	ug/l #	82
73) Isopropylbenzene	10.964	105	4772	1.131	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	36534	27.997	ug/l #	36
78) n-propylbenzene	11.305	91	1937	0.395	ug/l	86
79) 2-Chlorotoluene	11.378	91	4749	1.500	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.451	105	6144	1.742	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.079	75	36534	91.151	ug/l #	1
82) 4-Chlorotoluene	11.451	91	1009	0.287	ug/l #	48
83) tert-Butylbenzene	11.969	119	1258	0.354	ug/l	72
84) 1,2,4-Trimethylbenzene	11.750	105	21051	5.895	ug/l	98
85) sec-Butylbenzene	11.750	105	21051	4.827	ug/l #	57
89) n-Butylbenzene	12.238	91	27943	8.850	ug/l #	44
90) Hexachloroethane	12.408	117	19135	30.174	ug/l #	19
95) Naphthalene	13.774	128	1649398	436.320	ug/l	99

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

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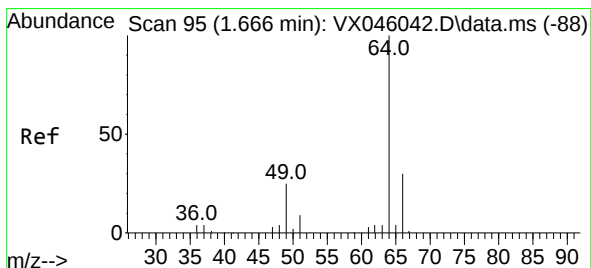
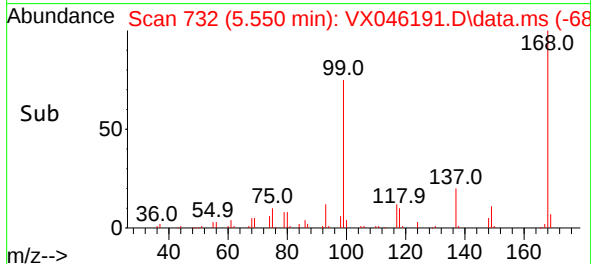
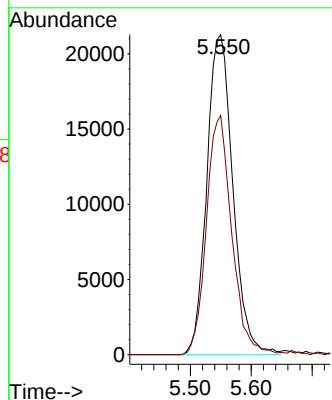
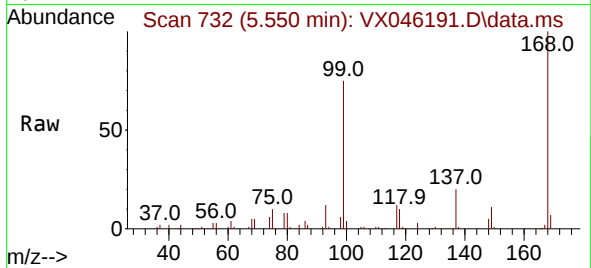




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

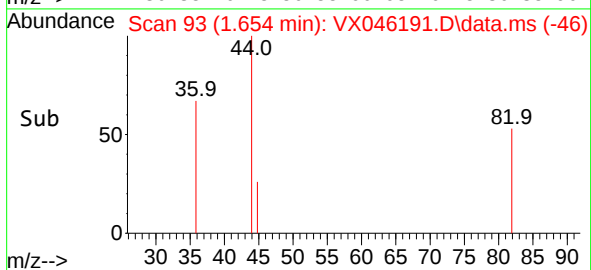
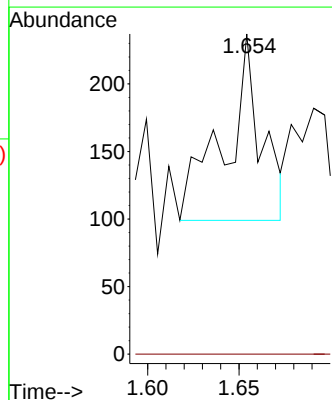
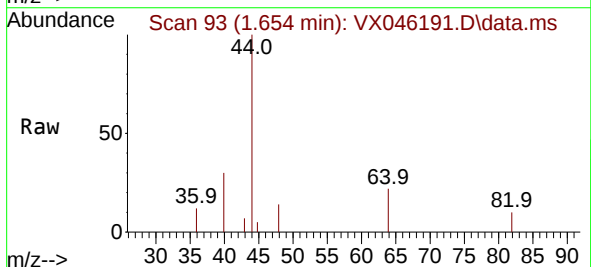
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

Tgt Ion:168 Resp: 63265
Ion Ratio Lower Upper
168 100
99 74.8 54.9 82.3



#6
Chloroethane
Concen: 0.409 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 64 Resp: 191
Ion Ratio Lower Upper
64 100
66 0.0 24.3 36.5#

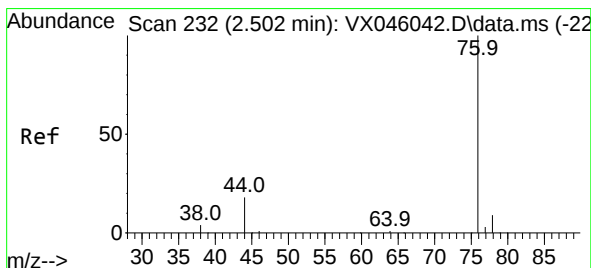
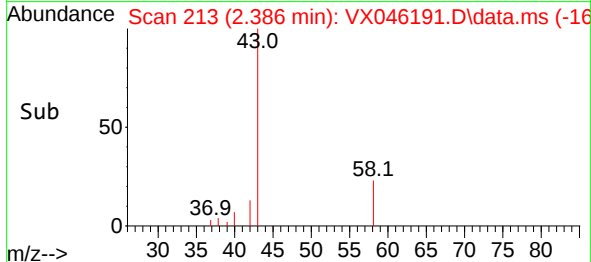
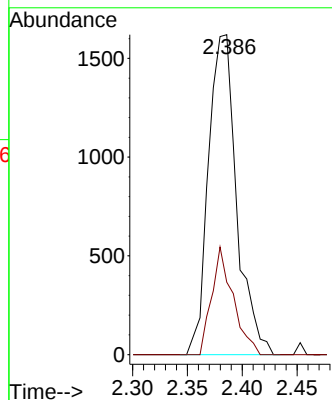
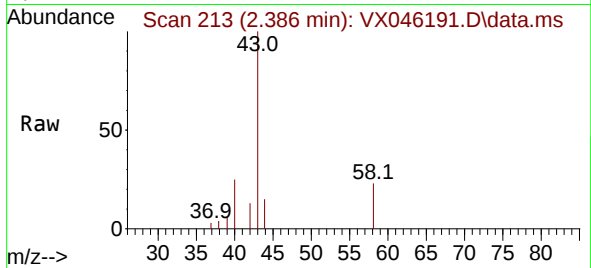




#16
Acetone
Concen: 6.136 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

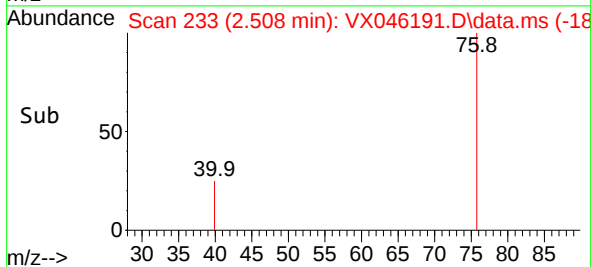
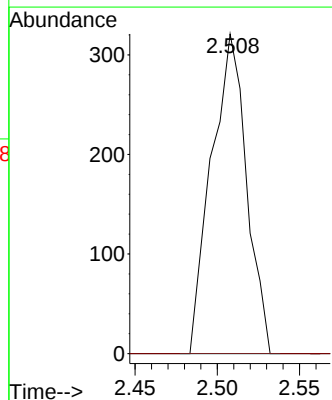
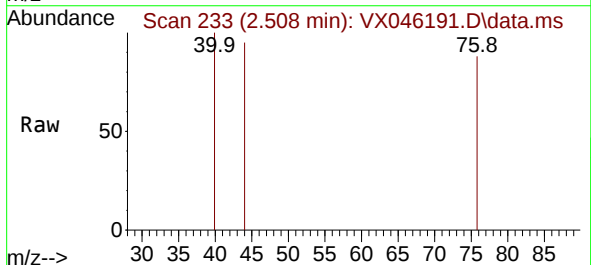
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

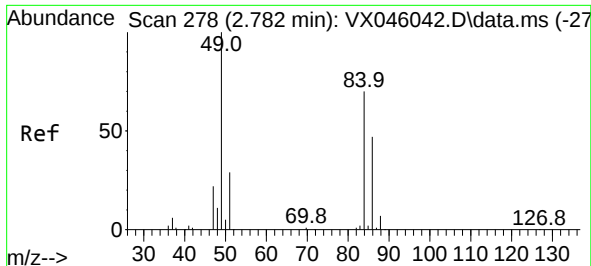
Tgt Ion: 43 Resp: 2902
Ion Ratio Lower Upper
43 100
58 22.7 21.2 31.8



#17
Carbon Disulfide
Concen: 0.269 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.006 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 76 Resp: 478
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.4#

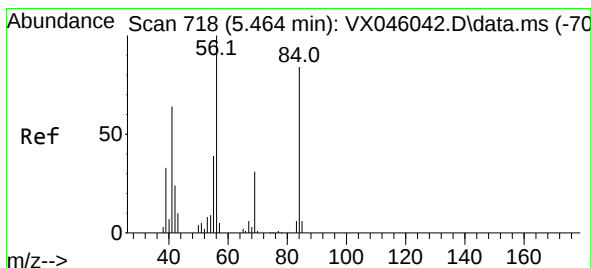
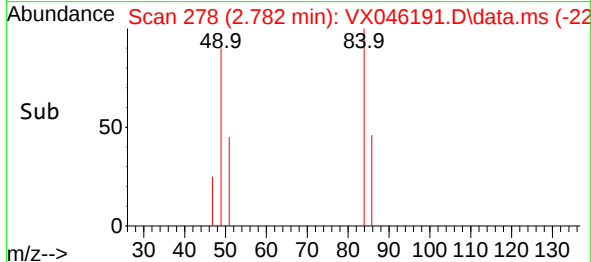
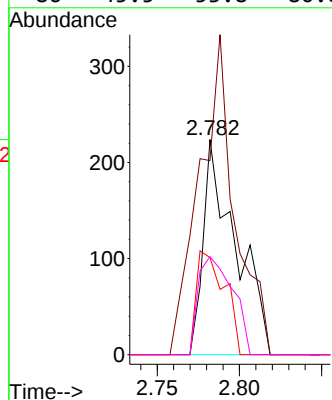
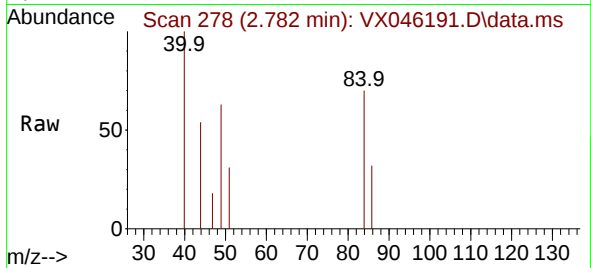




#20
Methylene Chloride
Concen: 0.339 ug/l
RT: 2.782 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

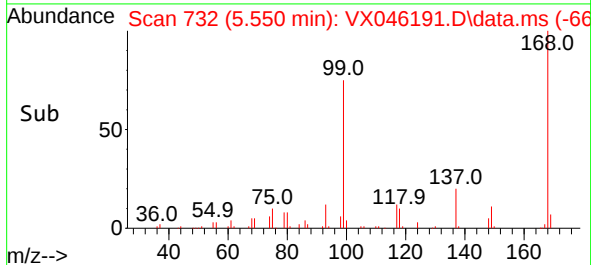
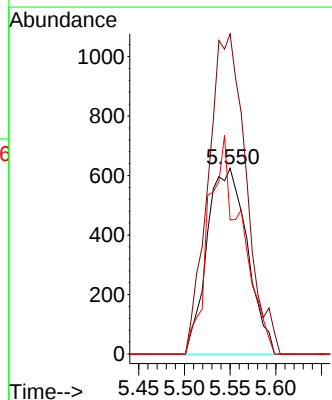
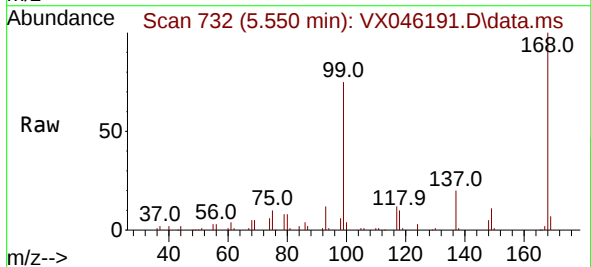
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

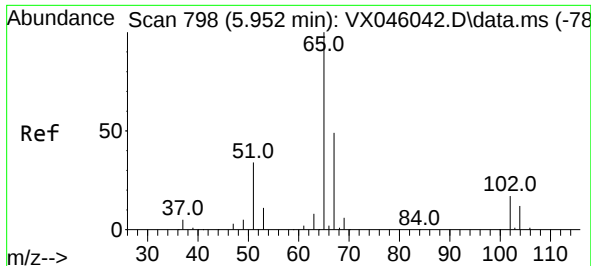
Tgt Ion:	84	Resp:	307
Ion	Ratio	Lower	Upper
84	100		
49	90.2	113.9	170.9#
51	45.1	33.5	50.3
86	45.5	53.8	80.8#



#31
Cyclohexane
Concen: 1.354 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion:	56	Resp:	1903
Ion	Ratio	Lower	Upper
56	100		
69	172.4	24.4	36.6#
84	72.3	66.9	100.3





#33

1,2-Dichloroethane-d4

Concen: 52.935 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

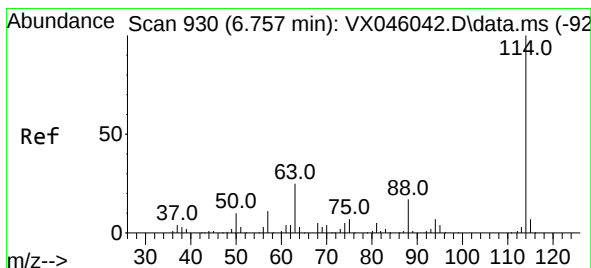
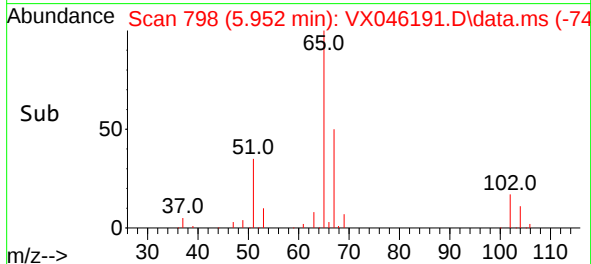
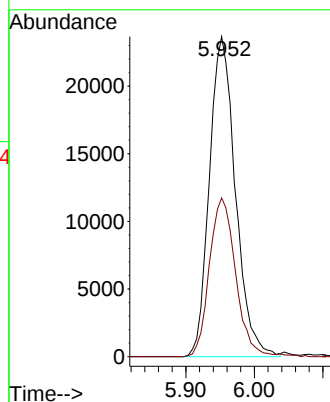
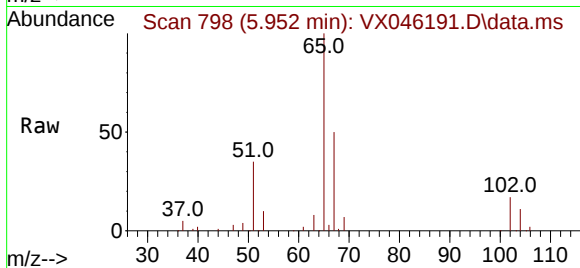
WC-A1-06-GDL

Tgt Ion: 65 Resp: 62435

Ion Ratio Lower Upper

65 100

67 50.1 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

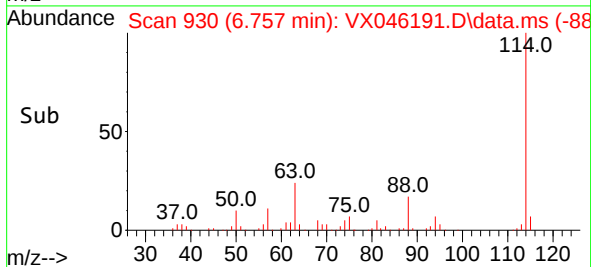
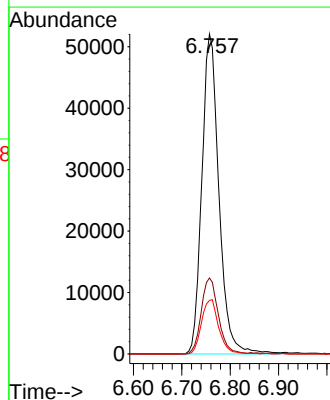
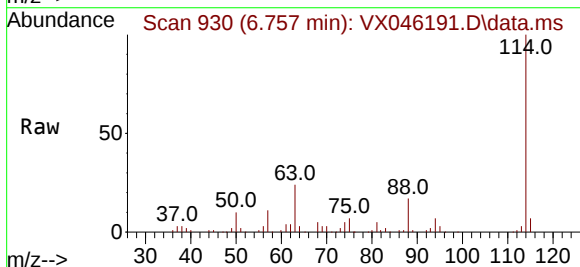
Tgt Ion: 114 Resp: 127738

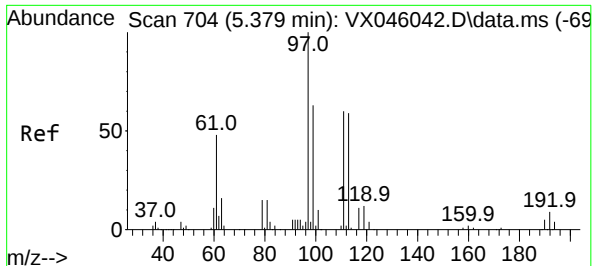
Ion Ratio Lower Upper

114 100

63 23.7 0.0 49.2

88 16.7 0.0 33.6





#35

Dibromofluoromethane

Concen: 50.190 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX046191.D

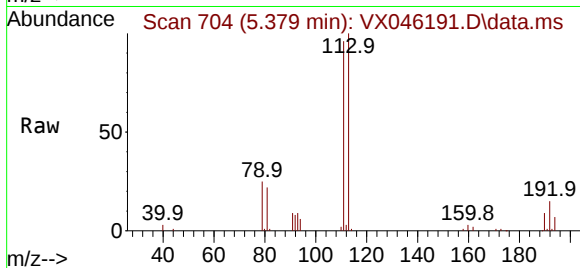
Acq: 14 May 2025 13:59

Instrument :

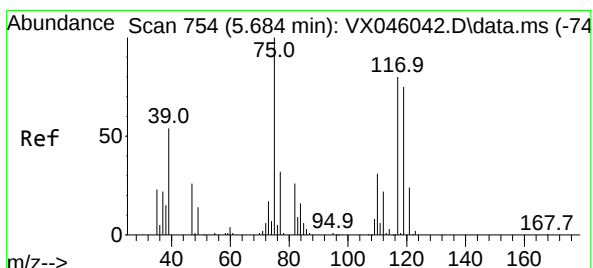
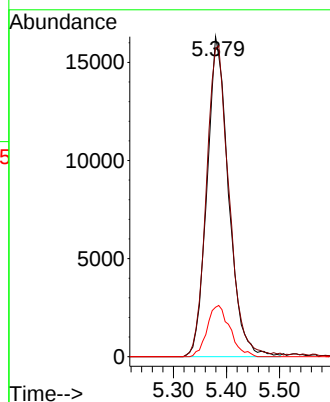
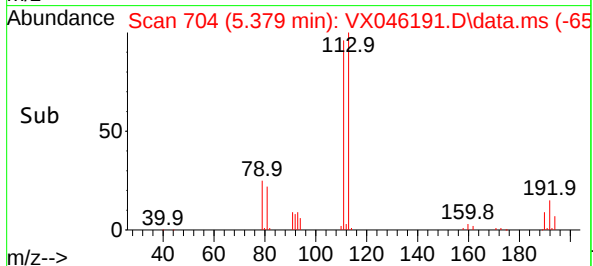
MSVOA_X

ClientSampleId :

WC-A1-06-GDL



Tgt Ion:	113	Resp:	46167
Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.1	124.7
192	16.9	13.3	19.9



#36

1,1-Dichloropropene

Concen: 5.169 ug/l

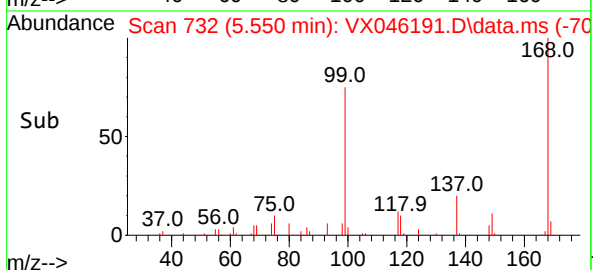
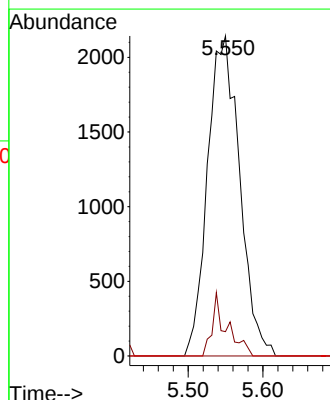
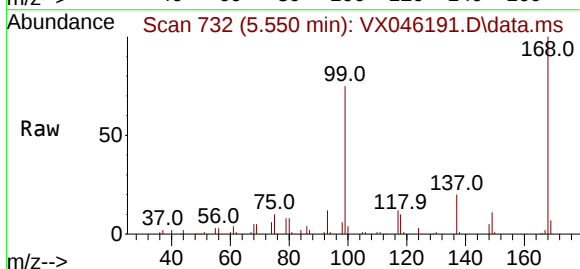
RT: 5.550 min Scan# 732

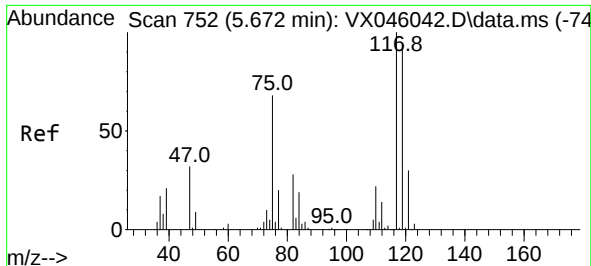
Delta R.T. -0.134 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

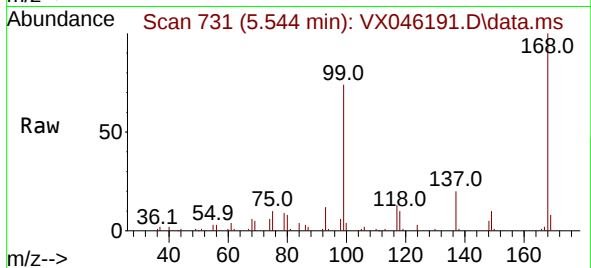
Tgt Ion:	75	Resp:	6389
Ion	Ratio	Lower	Upper
75	100		
110	9.0	16.3	48.9#
77	0.0	24.3	36.5#



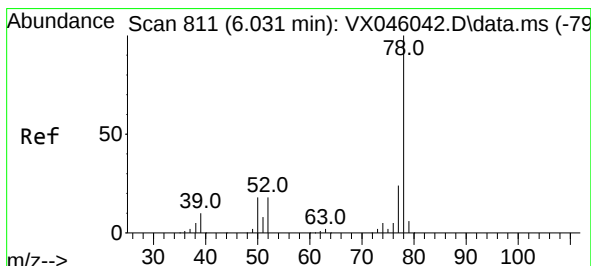
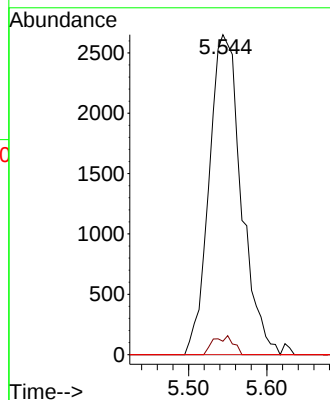
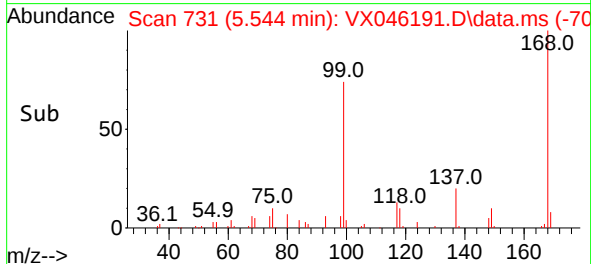


#38
Carbon Tetrachloride
Concen: 5.454 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

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ClientSampleId :
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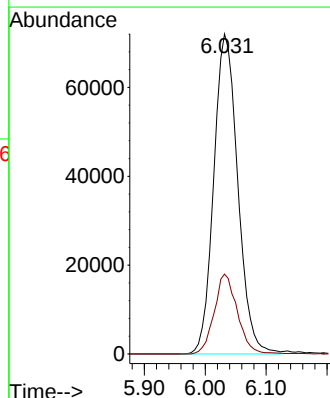
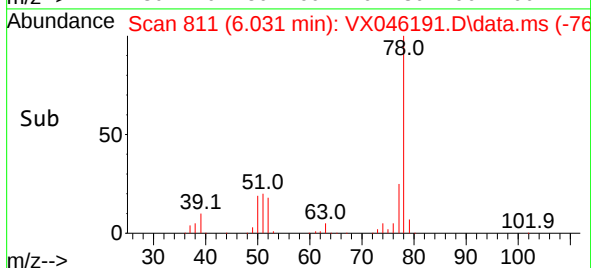
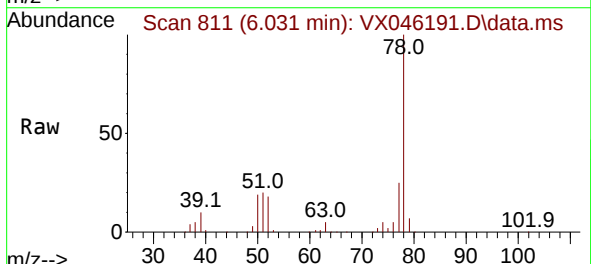


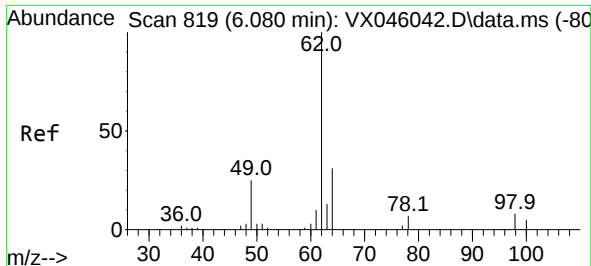
Tgt Ion:117 Resp: 7574
Ion Ratio Lower Upper
117 100
119 4.2 75.2 112.8#
121 0.0 24.2 36.4#



#40
Benzene
Concen: 54.553 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 78 Resp: 197487
Ion Ratio Lower Upper
78 100
77 25.0 19.0 28.4

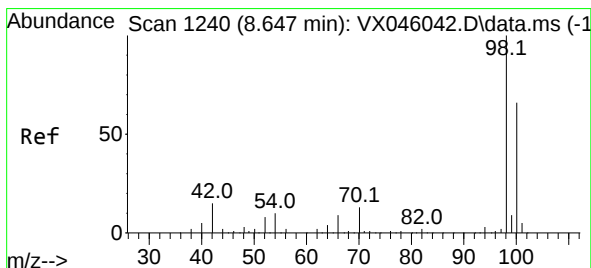
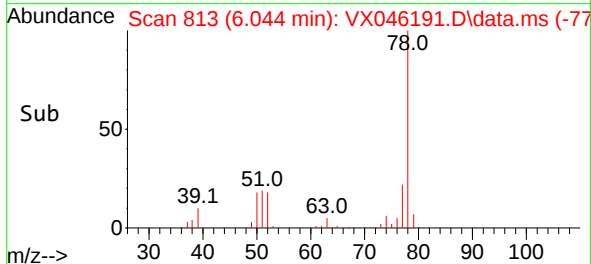
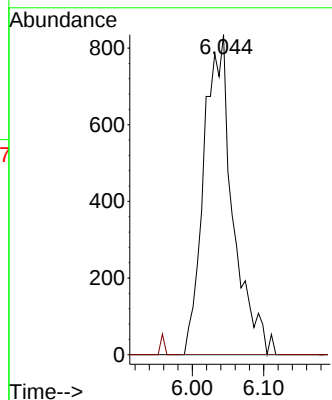
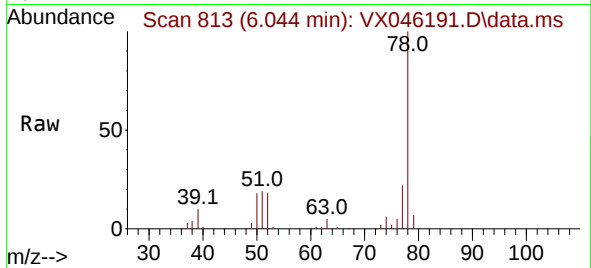




#42
1,2-Dichloroethane
Concen: 1.506 ug/l
RT: 6.044 min Scan# 81
Delta R.T. -0.037 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

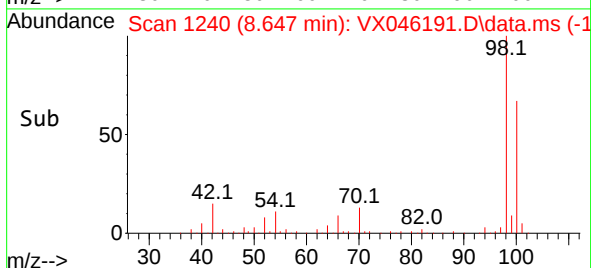
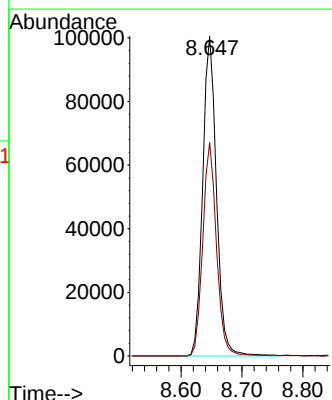
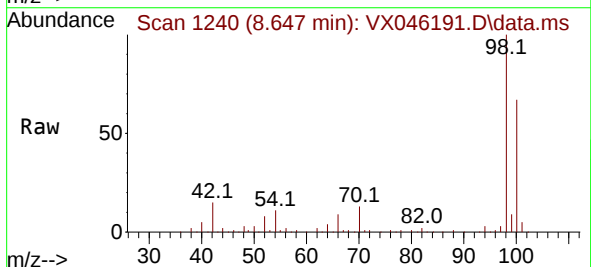
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

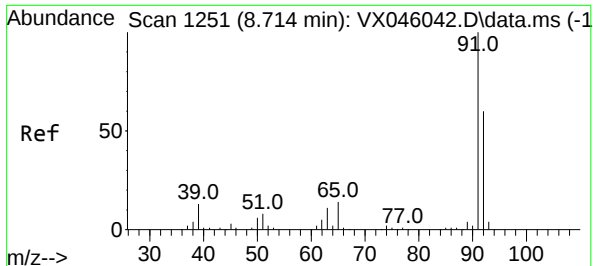
Tgt Ion: 62 Resp: 2353
Ion Ratio Lower Upper
62 100
98 0.0 0.0 15.2



#50
Toluene-d8
Concen: 49.687 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 98 Resp: 158190
Ion Ratio Lower Upper
98 100
100 66.5 53.5 80.3

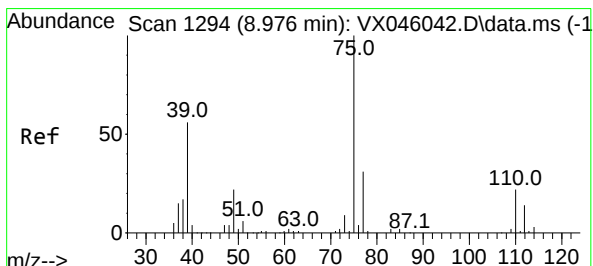
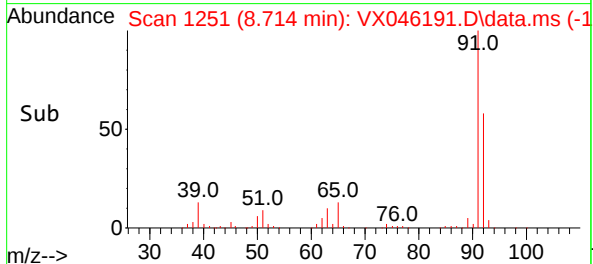
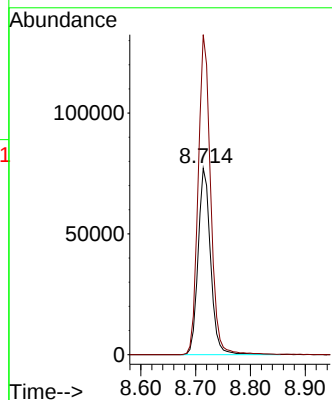
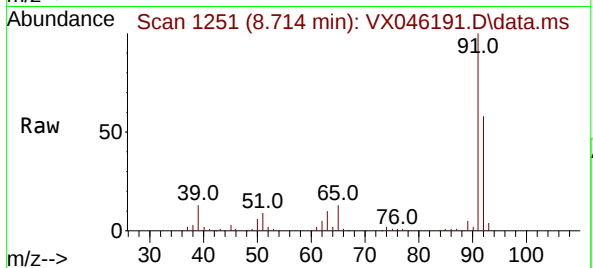




#52
Toluene
Concen: 55.241 ug/l
RT: 8.714 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

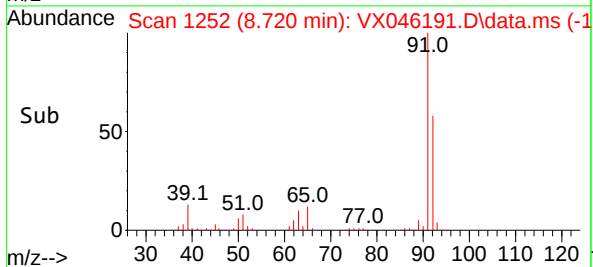
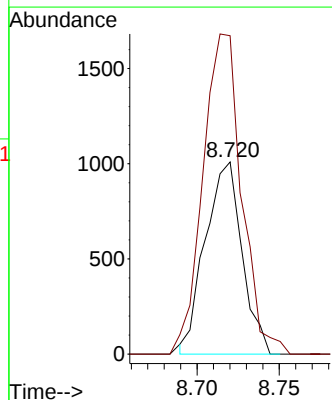
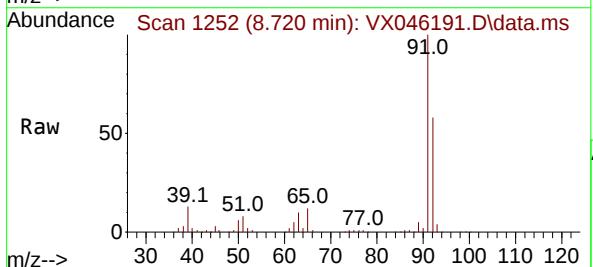
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

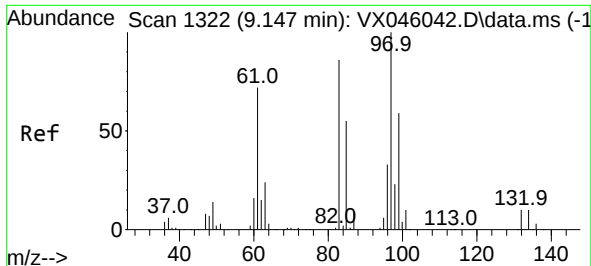
Tgt Ion: 92 Resp: 122622
Ion Ratio Lower Upper
92 100
91 170.9 136.6 205.0



#53
t-1,3-Dichloropropene
Concen: 1.258 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.256 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 75 Resp: 1564
Ion Ratio Lower Upper
75 100
77 159.3 25.0 37.6#





#55

1,1,2-Trichloroethane

Concen: 1.400 ug/l

RT: 9.025 min Scan# 1

Delta R.T. -0.122 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-GDL

Tgt Ion: 97 Resp: 1225

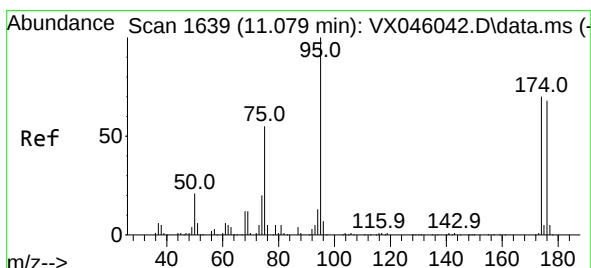
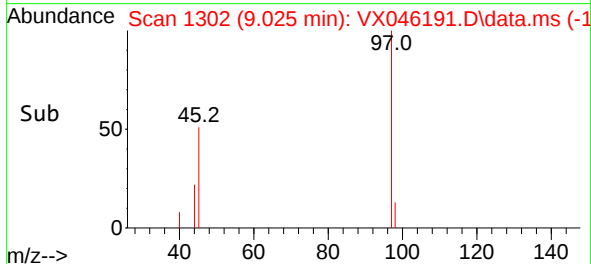
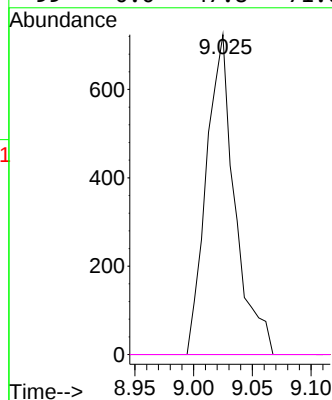
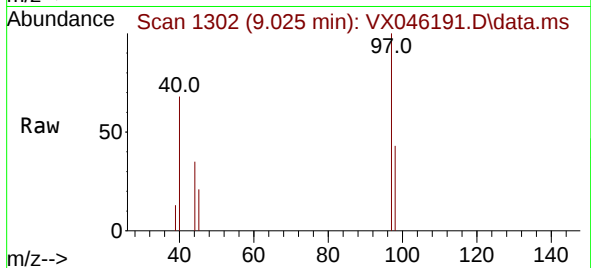
Ion Ratio Lower Upper

97 100

83 0.0 69.0 103.6#

85 0.0 44.3 66.5#

99 0.0 47.8 71.6#



#62

4-Bromofluorobenzene

Concen: 51.596 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

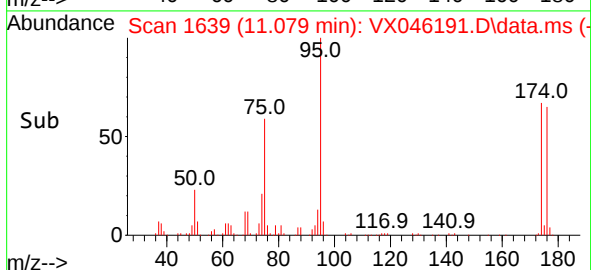
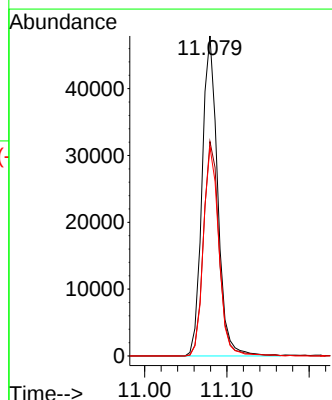
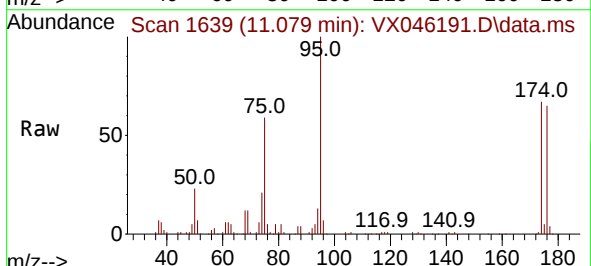
Tgt Ion: 95 Resp: 63011

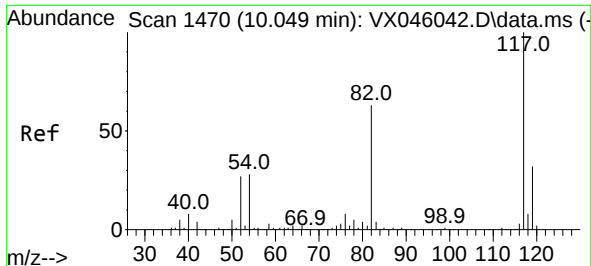
Ion Ratio Lower Upper

95 100

174 67.1 0.0 135.8

176 64.9 0.0 131.4

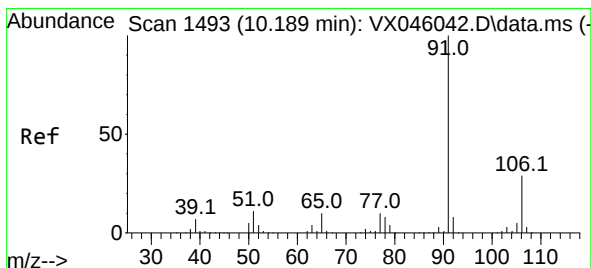
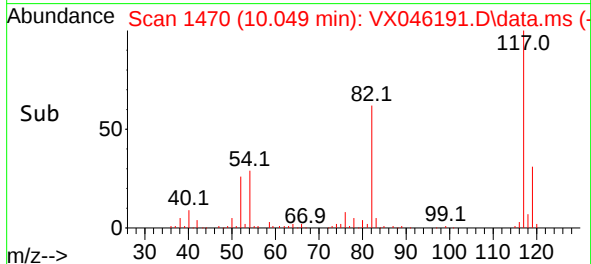
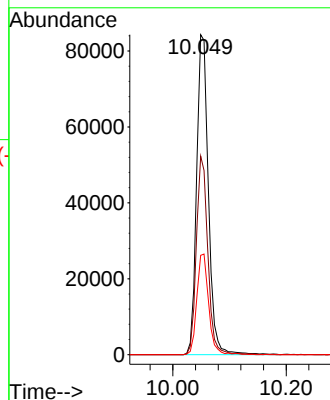
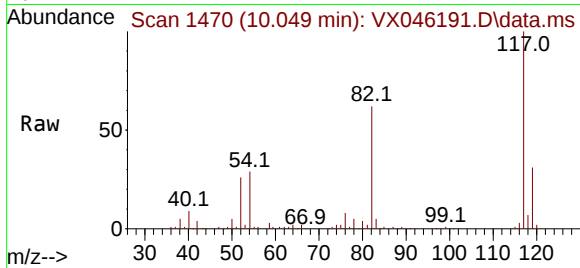




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

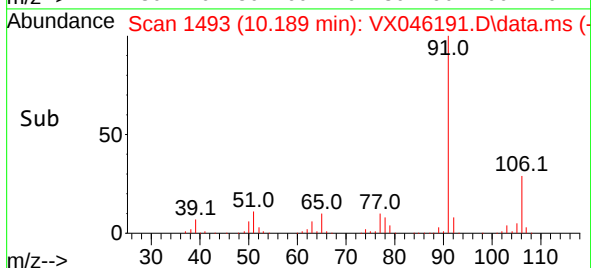
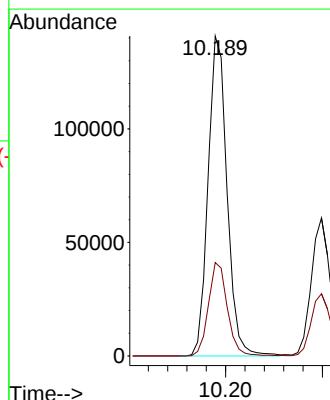
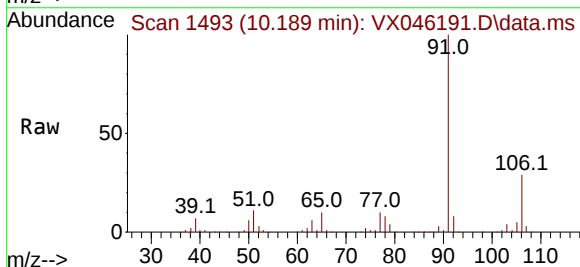
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

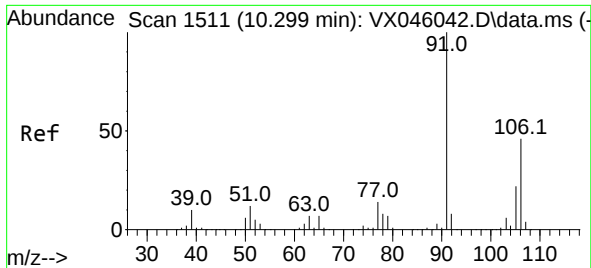
Tgt Ion:117 Resp: 121763
Ion Ratio Lower Upper
117 100
82 62.1 50.6 76.0
119 31.0 25.8 38.6



#67
Ethyl Benzene
Concen: 40.869 ug/l
RT: 10.189 min Scan# 1493
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 91 Resp: 191996
Ion Ratio Lower Upper
91 100
106 29.2 23.4 35.2

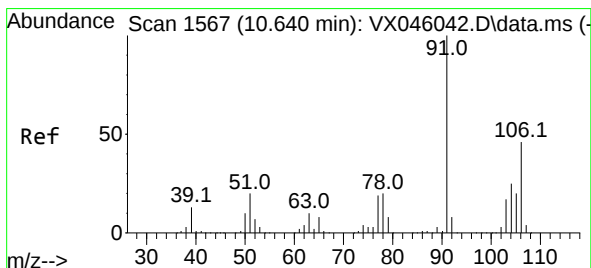
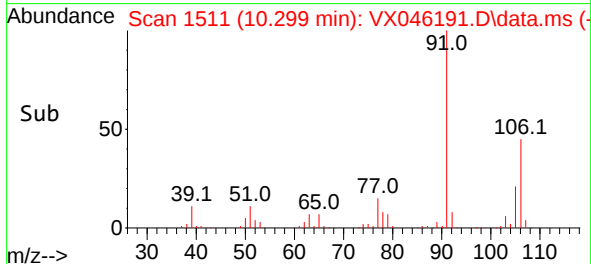
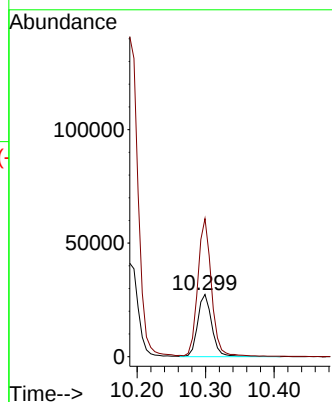
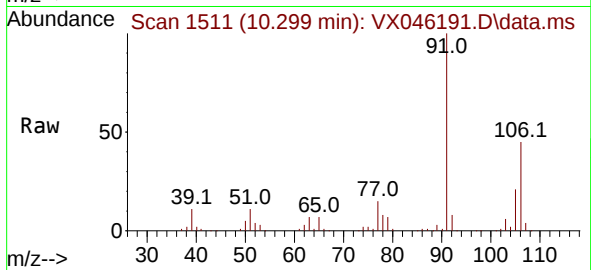




#68
m/p-Xylenes
Concen: 22.909 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

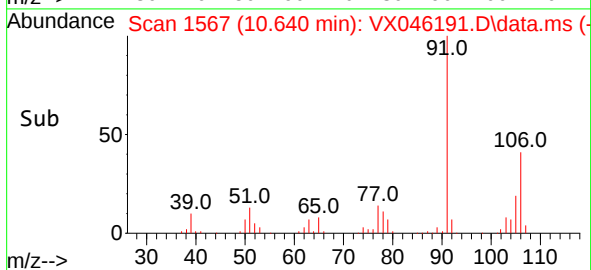
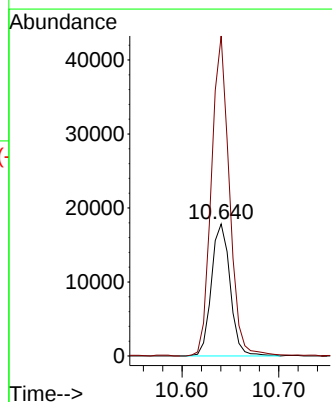
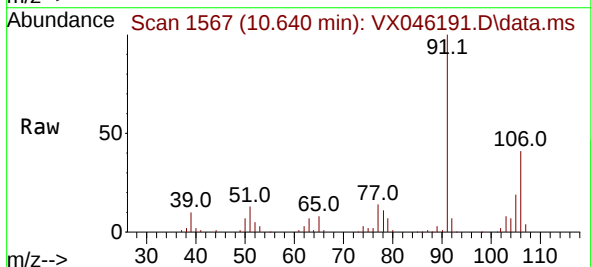
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

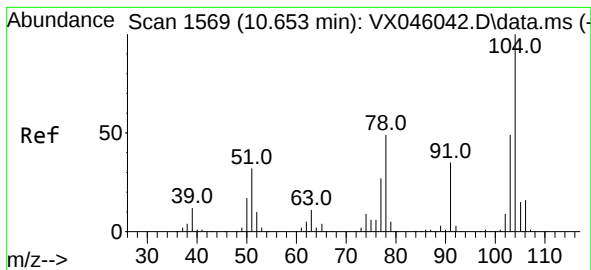
Tgt Ion:106 Resp: 39363
Ion Ratio Lower Upper
106 100
91 213.1 171.2 256.8



#69
o-Xylene
Concen: 14.343 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion:106 Resp: 24025
Ion Ratio Lower Upper
106 100
91 233.2 112.7 338.1





#70

Styrene

Concen: 5.842 ug/l

RT: 10.653 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-GDL

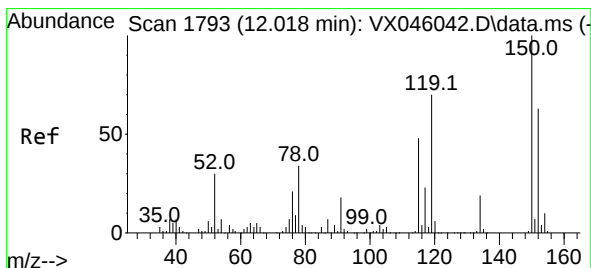
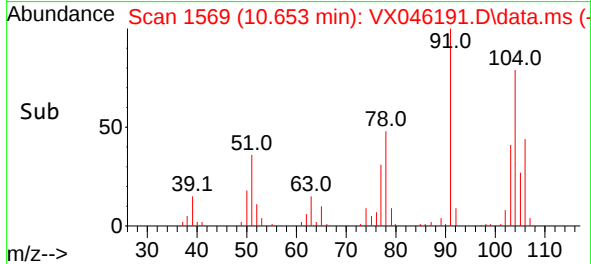
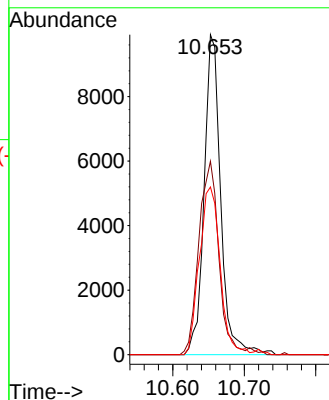
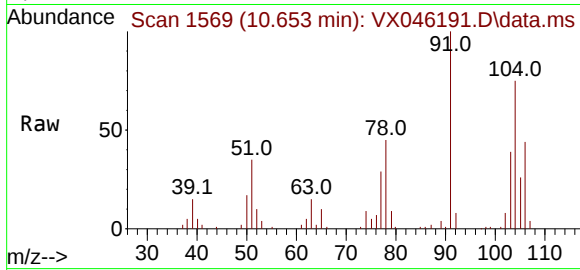
Tgt Ion:104 Resp: 16031

Ion Ratio Lower Upper

104 100

78 72.2 45.7 68.5#

103 65.5 43.7 65.5#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

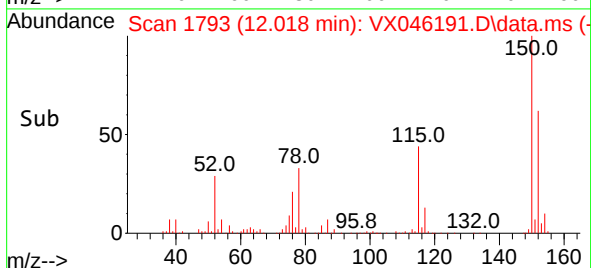
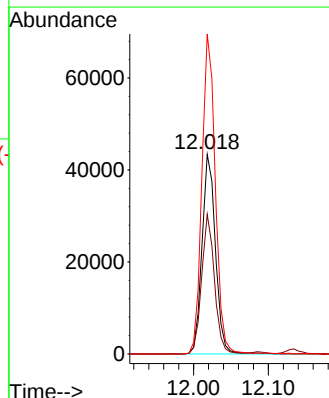
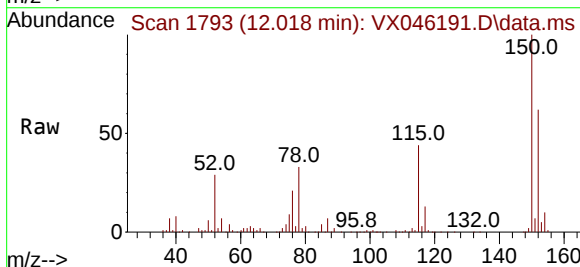
Tgt Ion:152 Resp: 54212

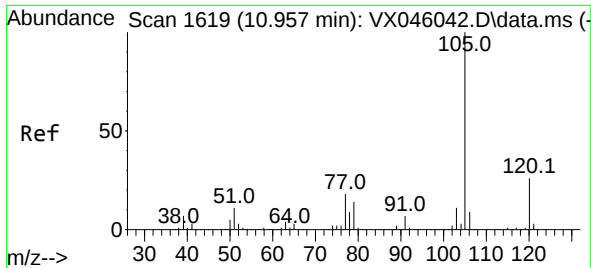
Ion Ratio Lower Upper

152 100

115 66.8 46.9 140.7

150 159.6 0.0 351.0

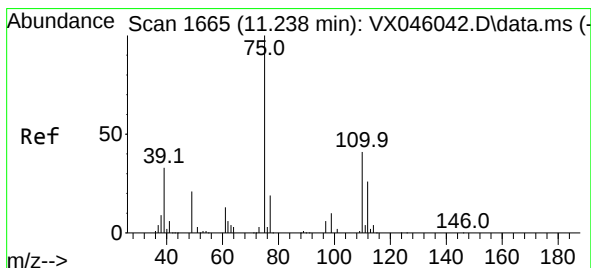
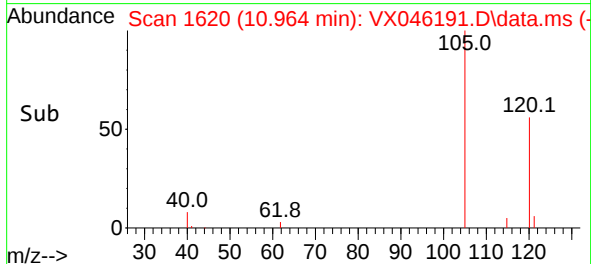
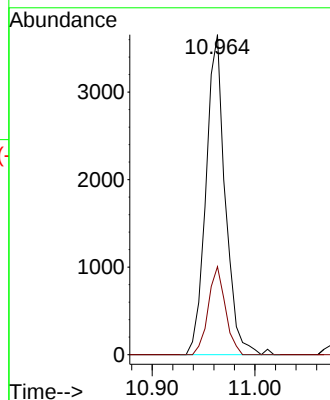
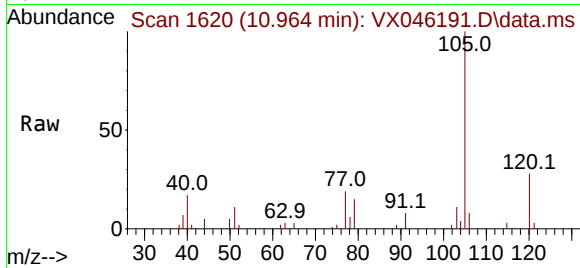




#73
Isopropylbenzene
Concen: 1.131 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.006 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

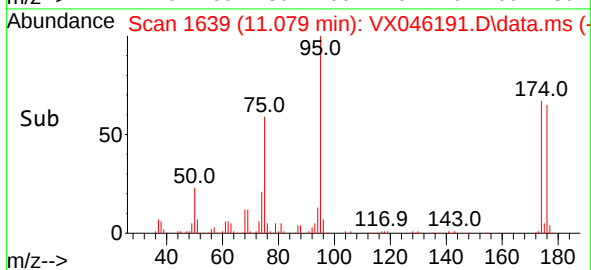
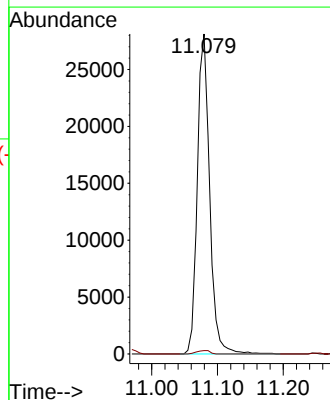
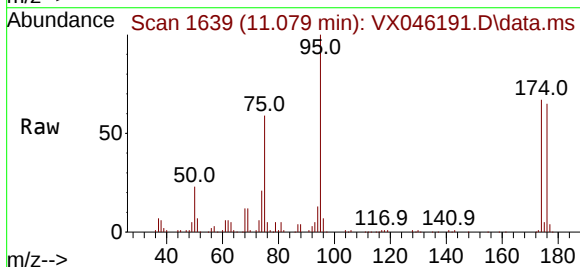
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

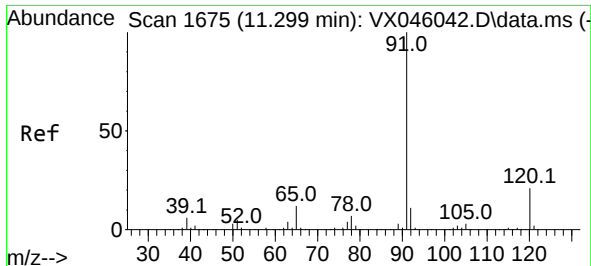
Tgt Ion:105 Resp: 4772
Ion Ratio Lower Upper
105 100
120 24.3 12.8 38.4



#76
1,2,3-Trichloropropane
Concen: 27.997 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 75 Resp: 36534
Ion Ratio Lower Upper
75 100
77 1.2 20.5 61.5#

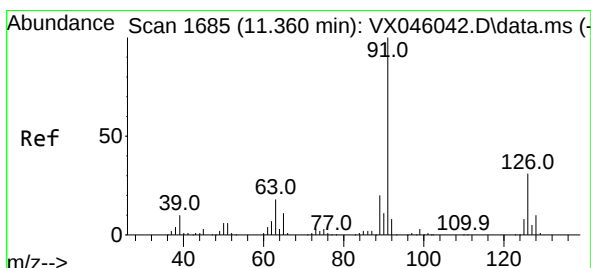
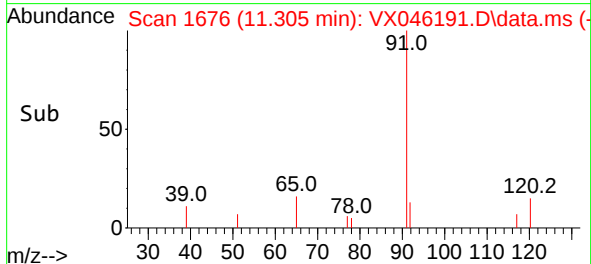
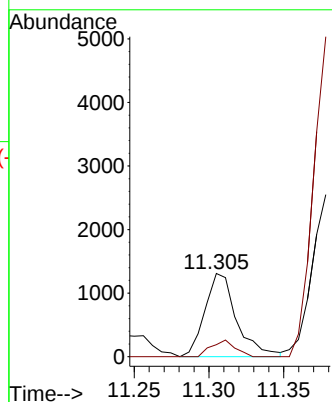
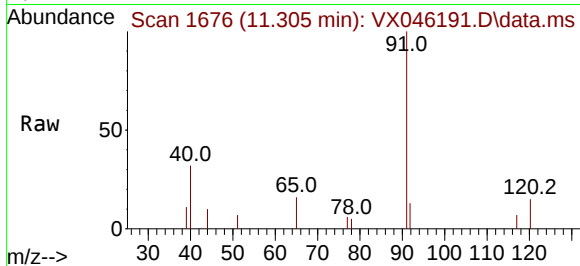




#78
n-propylbenzene
Concen: 0.395 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

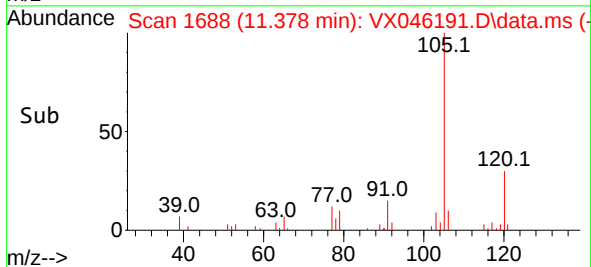
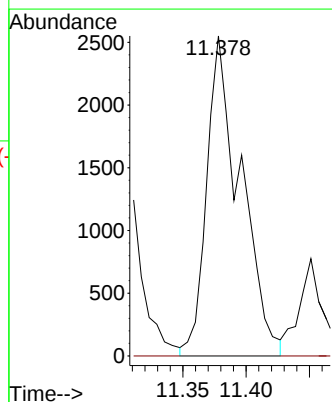
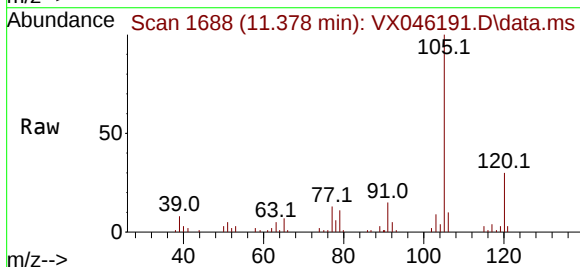
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

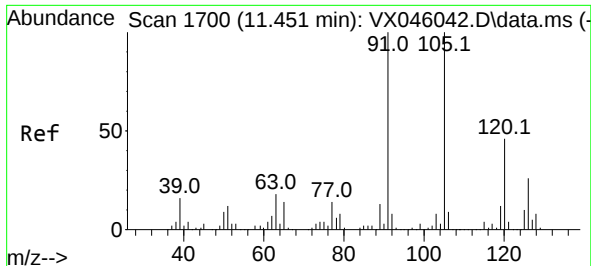
Tgt Ion: 91 Resp: 1937
Ion Ratio Lower Upper
91 100
120 15.0 10.8 32.4



#79
2-Chlorotoluene
Concen: 1.500 ug/l
RT: 11.378 min Scan# 1688
Delta R.T. 0.018 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 91 Resp: 4749
Ion Ratio Lower Upper
91 100
126 0.0 15.6 46.7#

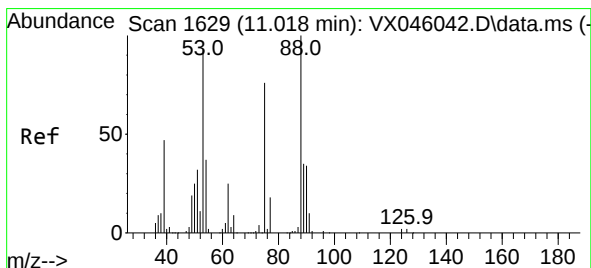
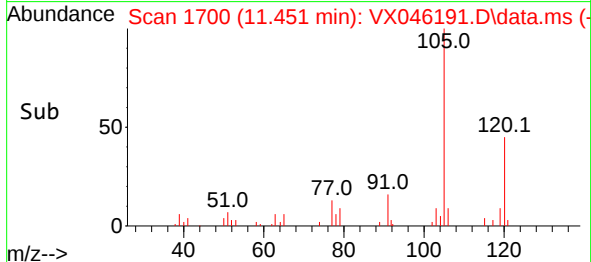
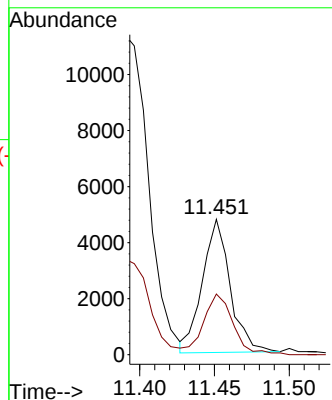
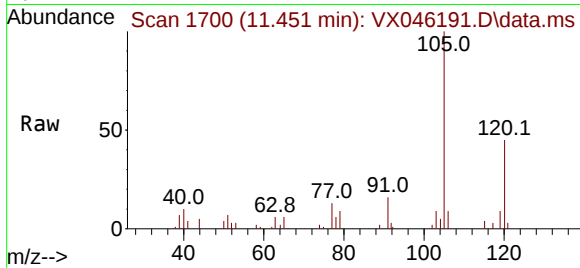




#80
1,3,5-Trimethylbenzene
Concen: 1.742 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

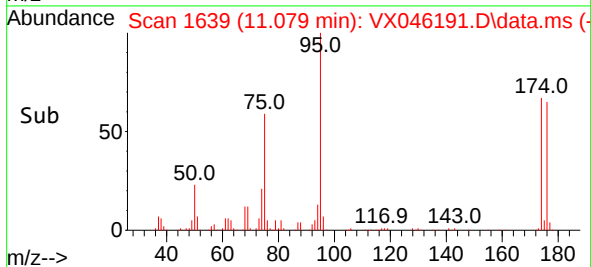
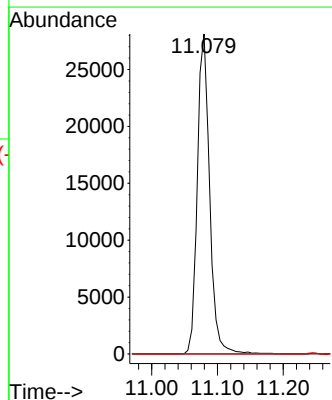
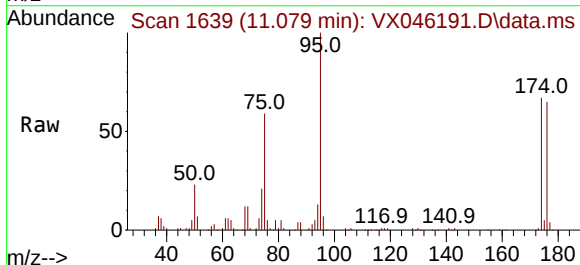
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

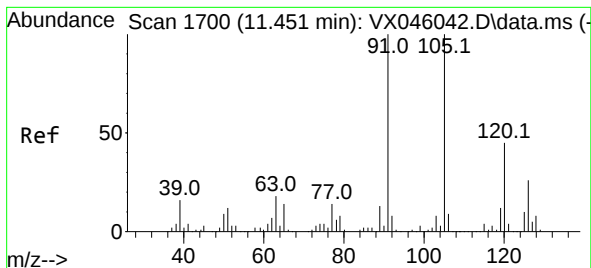
Tgt Ion:105 Resp: 6144
Ion Ratio Lower Upper
105 100
120 48.5 23.1 69.2



#81
trans-1,4-Dichloro-2-butene
Concen: 91.151 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 75 Resp: 36534
Ion Ratio Lower Upper
75 100
53 0.0 100.5 150.7#
89 0.0 37.0 55.6#

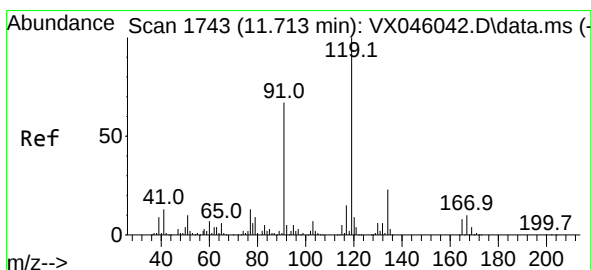
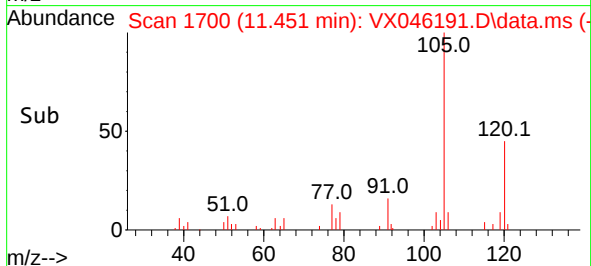
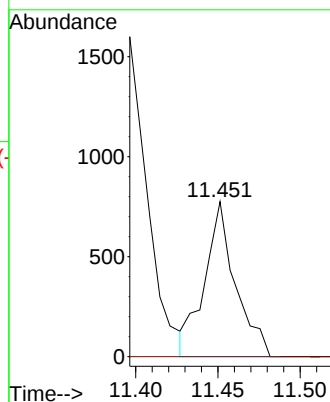
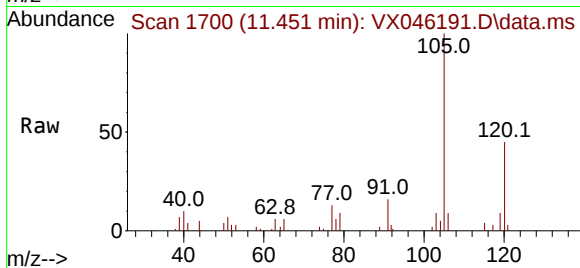




#82
4-Chlorotoluene
Concen: 0.287 ug/l
RT: 11.451 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

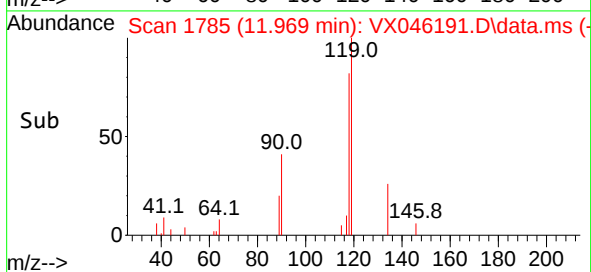
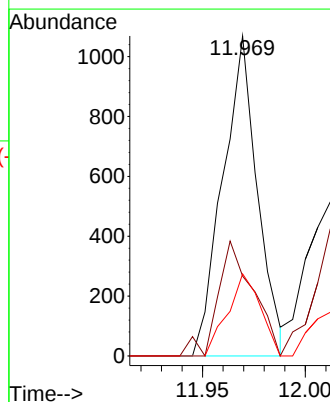
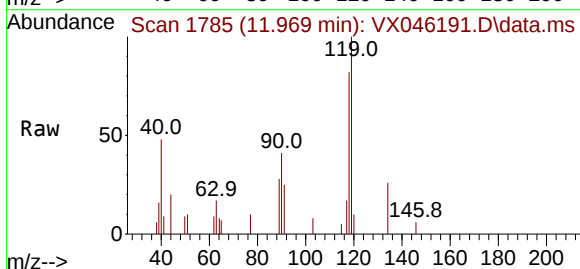
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

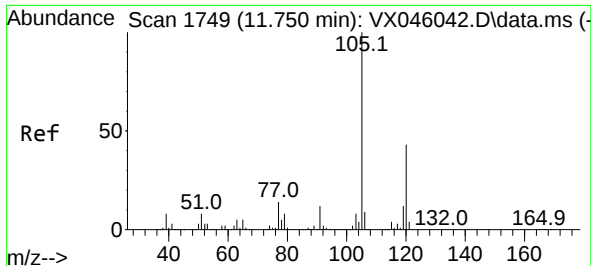
Tgt Ion: 91 Resp: 1009
Ion Ratio Lower Upper
91 100
126 0.0 13.3 39.8#



#83
tert-Butylbenzene
Concen: 0.354 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. 0.256 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion: 119 Resp: 1258
Ion Ratio Lower Upper
119 100
91 36.6 32.9 98.7
134 24.2 11.4 34.1

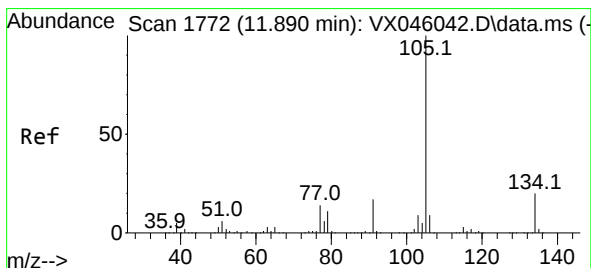
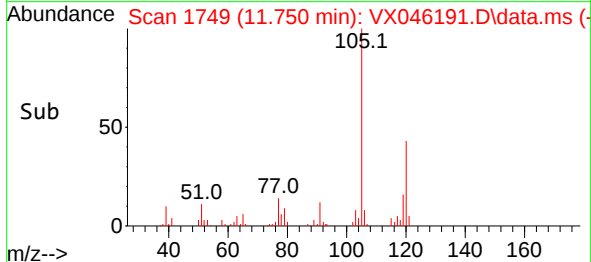
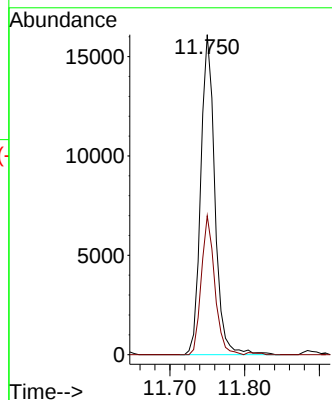
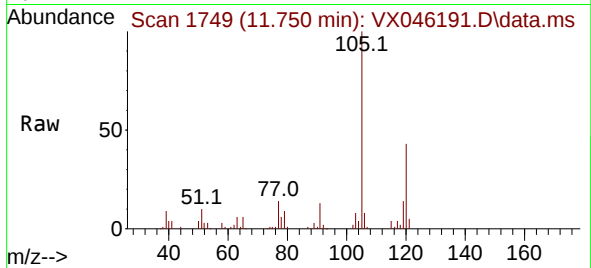




#84
1,2,4-Trimethylbenzene
Concen: 5.895 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

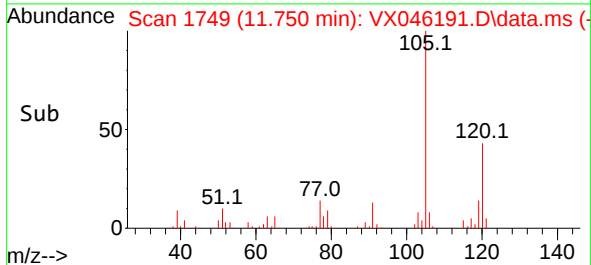
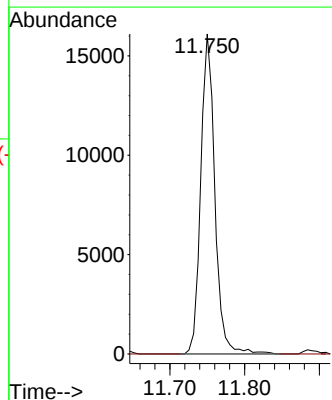
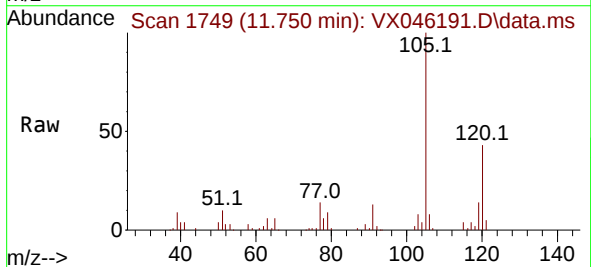
Instrument :
MSVOA_X
ClientSampleId :
WC-A1-06-GDL

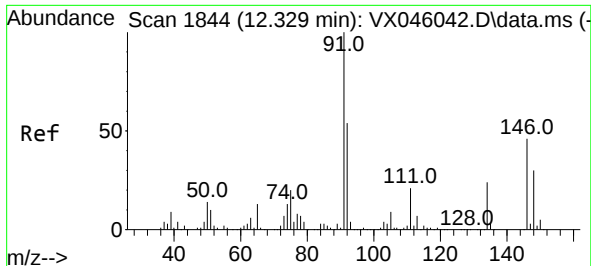
Tgt Ion:105 Resp: 21051
Ion Ratio Lower Upper
105 100
120 41.3 21.2 63.6



#85
sec-Butylbenzene
Concen: 4.827 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX046191.D
Acq: 14 May 2025 13:59

Tgt Ion:105 Resp: 21051
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#





#89

n-Butylbenzene

Concen: 8.850 ug/l

RT: 12.238 min Scan# 1829

Delta R.T. -0.091 min

Lab File: VX046191.D

Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-GDL

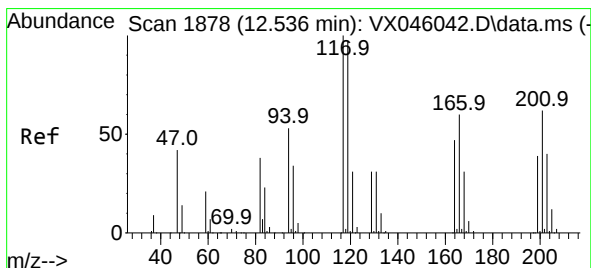
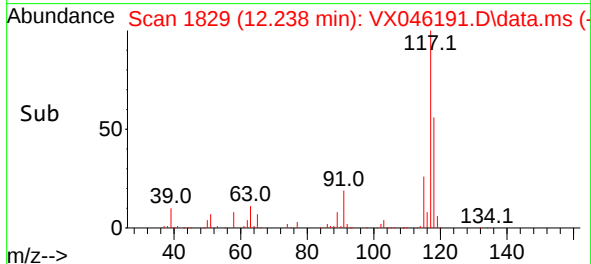
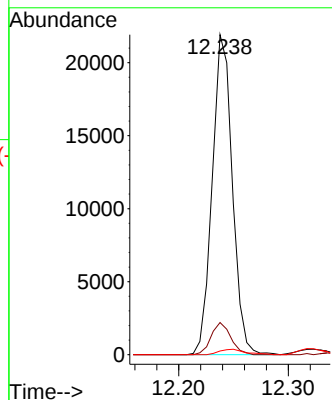
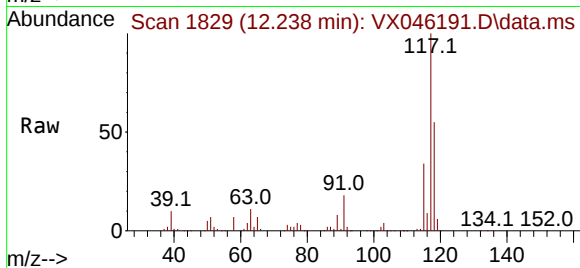
Tgt Ion: 91 Resp: 27943

Ion Ratio Lower Upper

91 100

92 9.8 26.9 80.7#

134 2.2 11.8 35.3#



#90

Hexachloroethane

Concen: 30.174 ug/l

RT: 12.408 min Scan# 1857

Delta R.T. -0.128 min

Lab File: VX046191.D

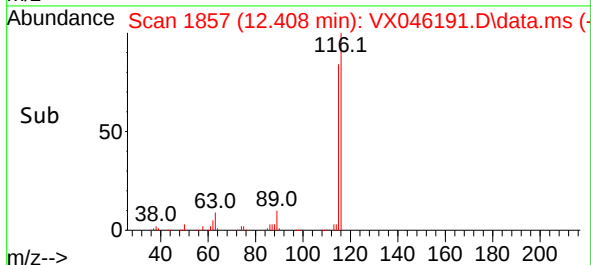
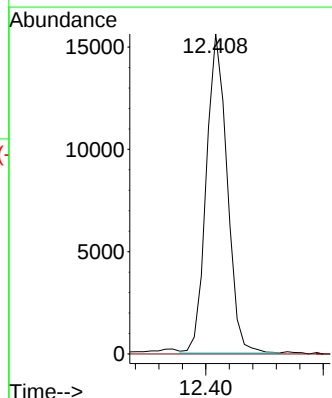
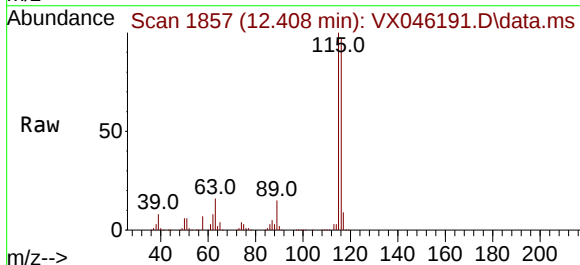
Acq: 14 May 2025 13:59

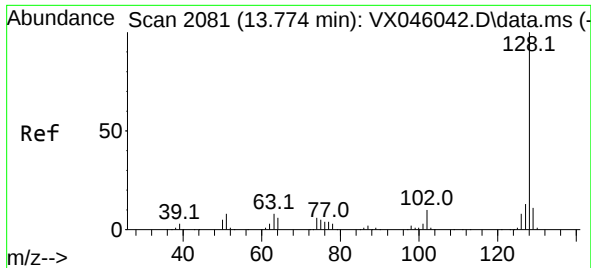
Tgt Ion: 117 Resp: 19135

Ion Ratio Lower Upper

117 100

201 0.0 31.6 94.7#





#95

Naphthalene

Concen: 436.320 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX046191.D

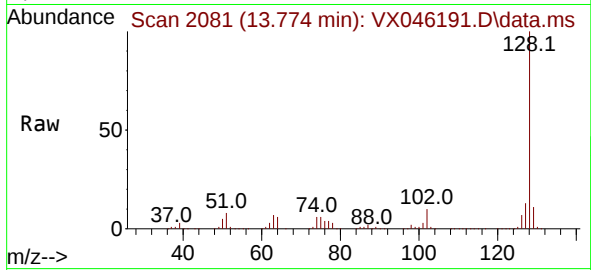
Acq: 14 May 2025 13:59

Instrument :

MSVOA_X

ClientSampleId :

WC-A1-06-GDL



Tgt Ion:128 Resp: 1649398

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 11.1 8.6 13.0

