

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046994.D
 Acq On : 15 Jul 2025 12:30
 Operator : JC/MD
 Sample : Q2578-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-09-GRE

Quant Time: Jul 16 02:24:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 03 05:51:11 2025
 Response via : Initial Calibration

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

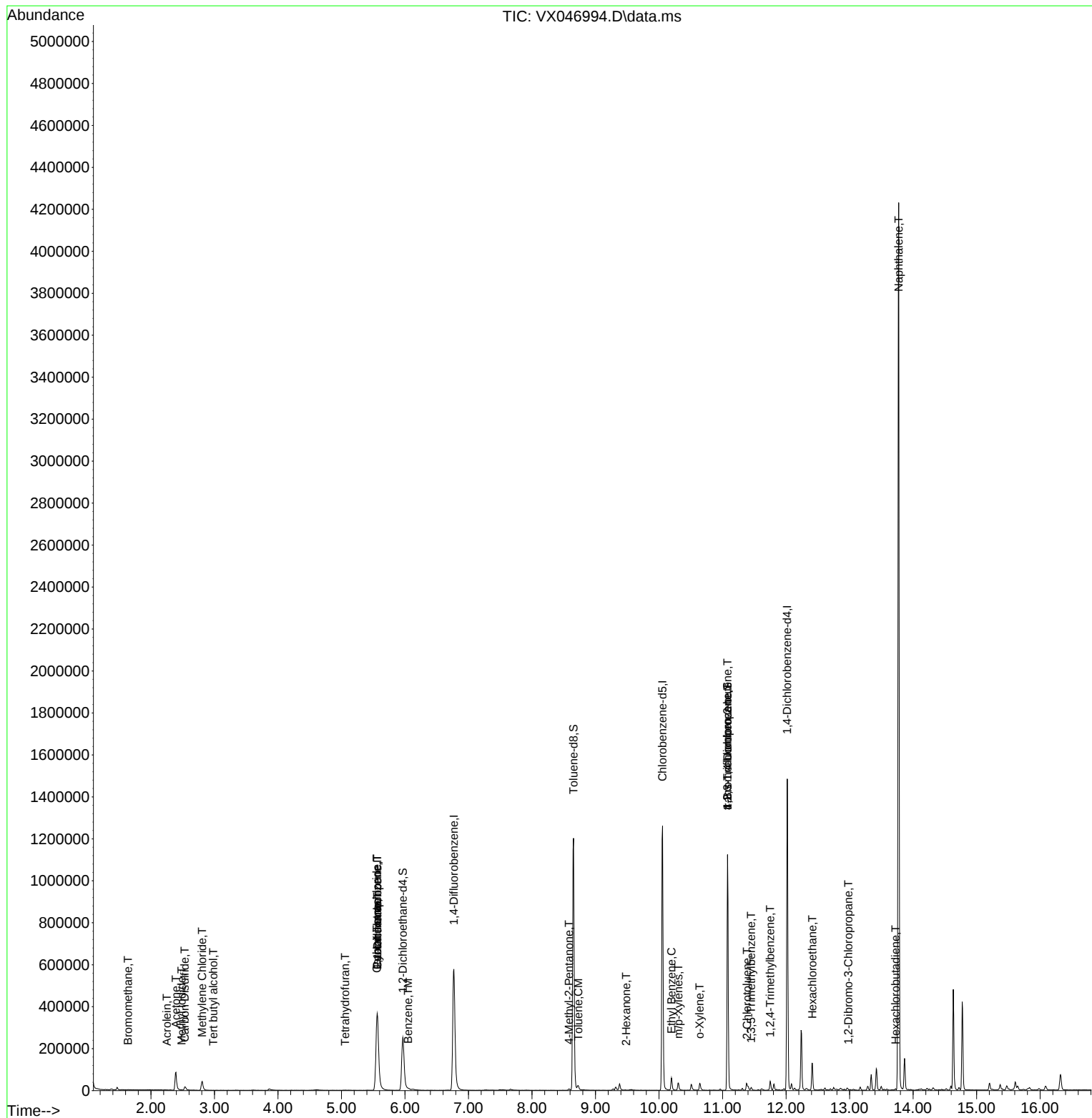
Internal Standards						
1) Pentafluorobenzene	5.562	168	367741	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	634652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572996	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	299369	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	262527	54.038	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.080%		
35) Dibromofluoromethane	5.403	113	452	0.105	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 0.200%#		
50) Toluene-d8	8.653	98	729003	47.962	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 95.920%		
62) 4-Bromofluorobenzene	11.079	95	301415	52.177	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 104.360%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	778	0.289	ug/l #	2
10) Methyl Iodide	2.483	142	1528	0.340	ug/l #	85
11) Tert butyl alcohol	2.983	59	318	0.998	ug/l #	72
13) Acrolein	2.252	56	88	3.082	ug/l #	1
16) Acetone	2.392	43	105278	69.764	ug/l	98
17) Carbon Disulfide	2.532	76	3645	0.349	ug/l #	74
20) Methylene Chloride	2.806	84	21104	4.729	ug/l	95
29) Tetrahydrofuran	5.056	42	672	0.524	ug/l #	60
31) Cyclohexane	5.562	56	8184	1.178	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	29611	5.094	ug/l #	51
38) Carbon Tetrachloride	5.556	117	38654	6.290	ug/l #	15
40) Benzene	6.050	78	6556	0.373	ug/l #	80
51) 4-Methyl-2-Pentanone	8.580	43	5425	1.212	ug/l	94
52) Toluene	8.726	92	8466	0.777	ug/l	94
59) 2-Hexanone	9.482	43	783	0.264	ug/l #	53
67) Ethyl Benzene	10.195	91	35100	1.654	ug/l	100
68) m/p-Xylenes	10.305	106	8758	1.096	ug/l	81
69) o-Xylene	10.640	106	7103	0.920	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	154794	33.464	ug/l #	35
79) 2-Chlorotoluene	11.384	91	3749	0.250	ug/l #	44
80) 1,3,5-Trimethylbenzene	11.451	105	5250	0.307	ug/l	97
81) trans-1,4-Dichloro-2-b...	11.079	75	154794	89.801	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	19390	1.122	ug/l	90
90) Hexachloroethane	12.414	117	4956	1.499	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	12.981	75	213	0.210	ug/l #	1
94) Hexachlorobutadiene	13.725	225	713	0.293	ug/l	90
95) Naphthalene	13.774	128	2550761	149.983	ug/l	100

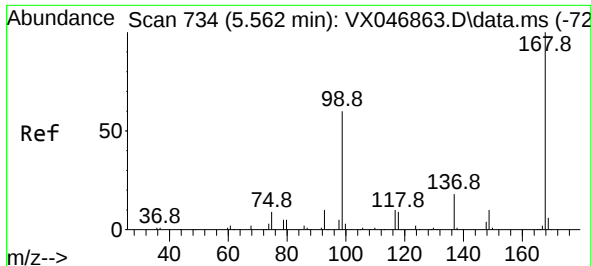
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
Data File : VX046994.D
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Instrument :
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ClientSampleId :
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Quant Time: Jul 16 02:24:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

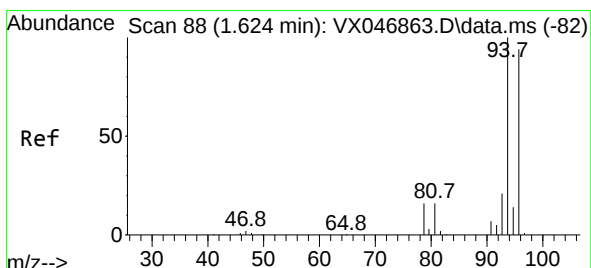
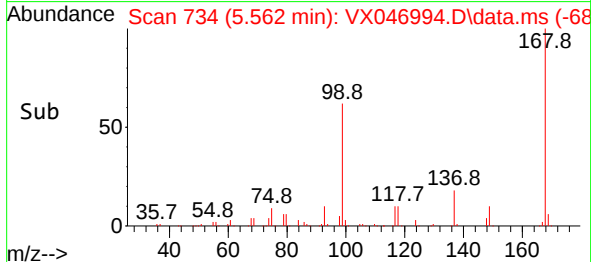
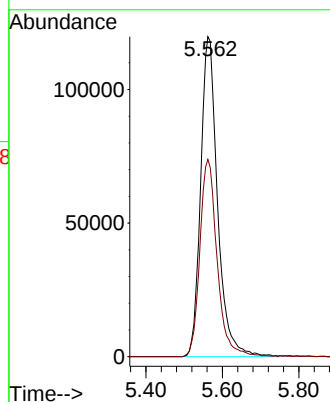
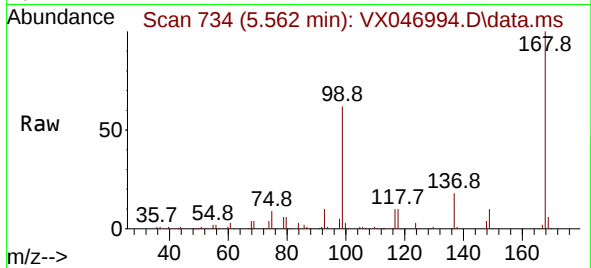




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

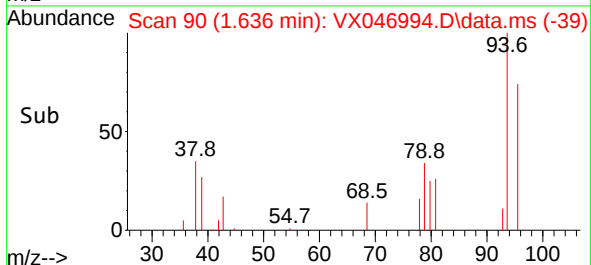
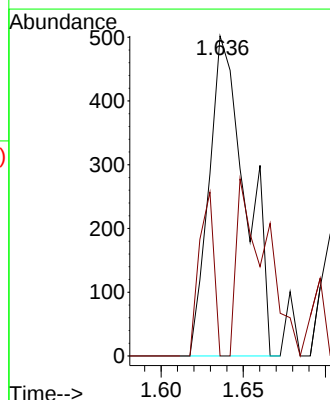
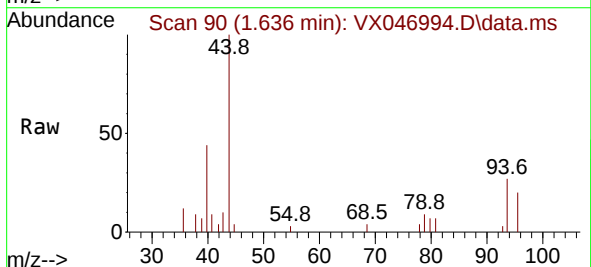
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

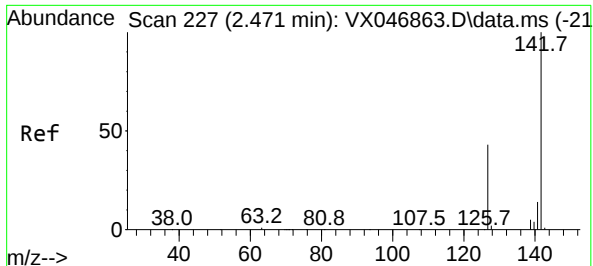
Tgt Ion:168 Resp: 367741
Ion Ratio Lower Upper
168 100
99 61.7 48.8 73.2



#5
Bromomethane
Concen: 0.289 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

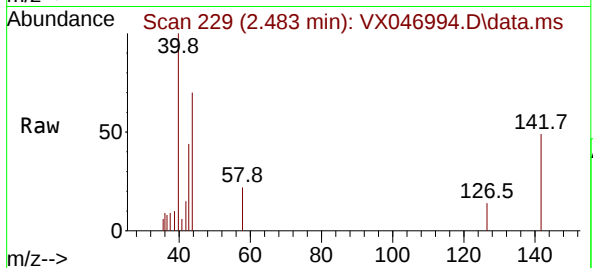
Tgt Ion: 94 Resp: 778
Ion Ratio Lower Upper
94 100
96 0.0 75.5 113.3#



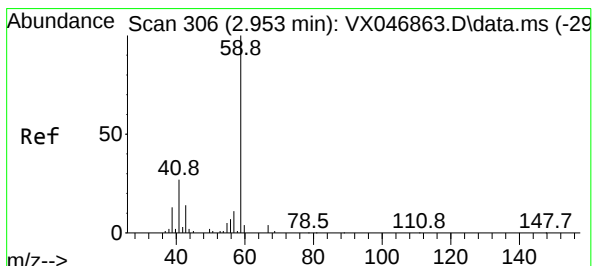
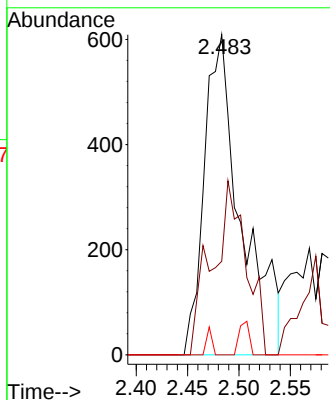
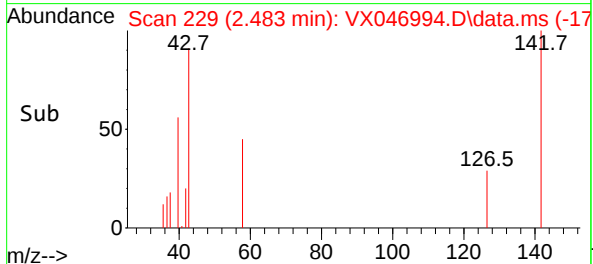


#10
Methyl Iodide
Concen: 0.340 ug/l
RT: 2.483 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

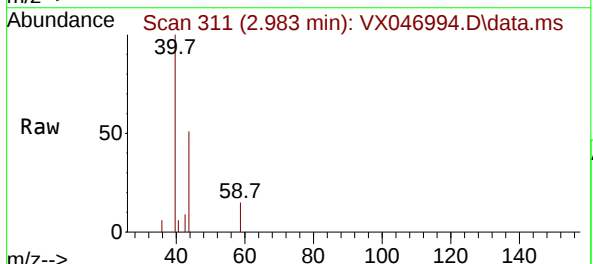
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE



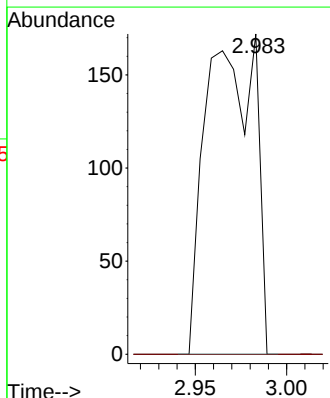
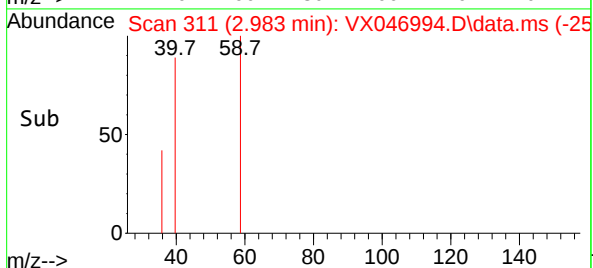
Tgt Ion:142 Resp: 1528
Ion Ratio Lower Upper
142 100
127 49.8 34.9 52.3
141 1.2 11.1 16.7#

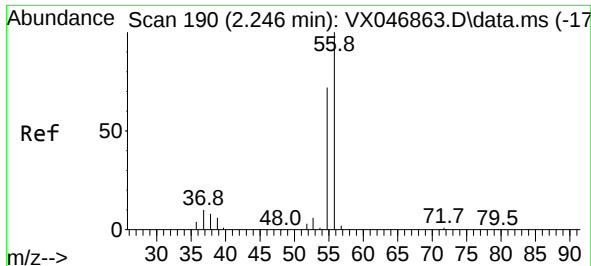


#11
Tert butyl alcohol
Concen: 0.998 ug/l
RT: 2.983 min Scan# 311
Delta R.T. 0.030 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30



Tgt Ion: 59 Resp: 318
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

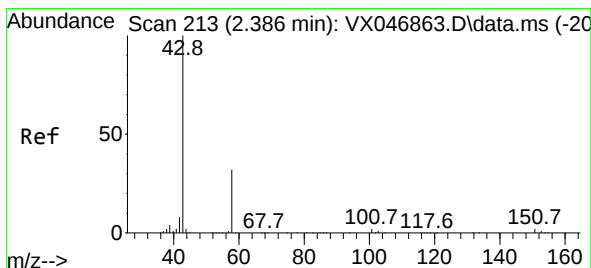
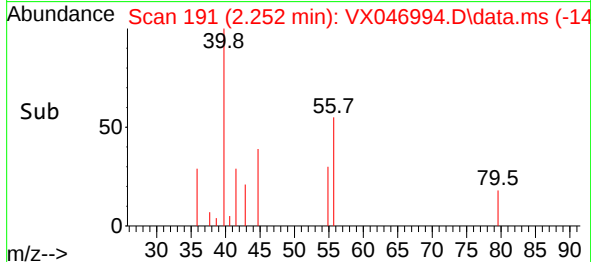
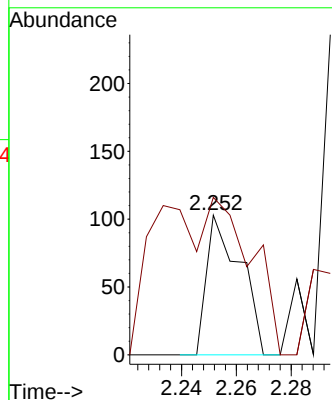
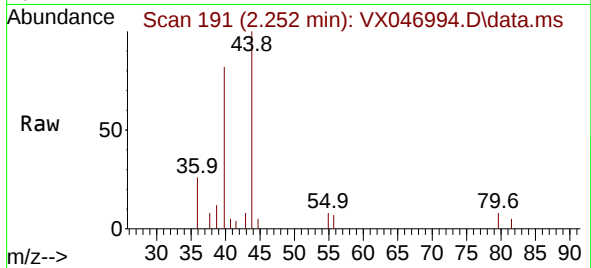




#13
Acrolein
Concen: 3.082 ug/l
RT: 2.252 min Scan# 190
Delta R.T. 0.006 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

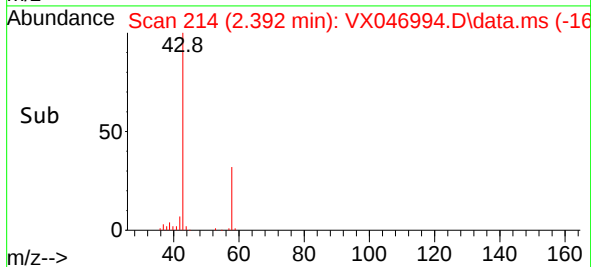
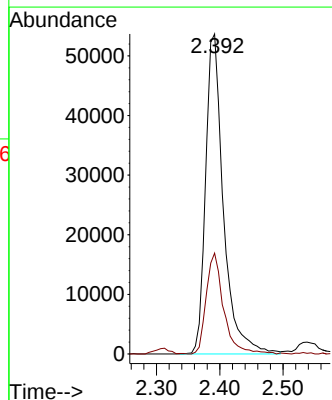
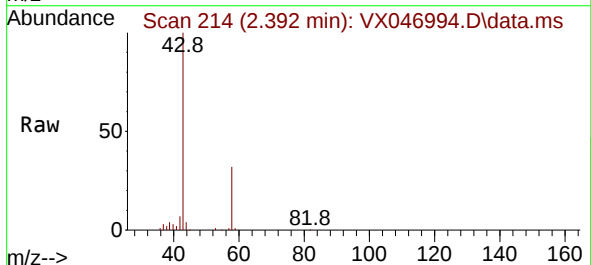
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

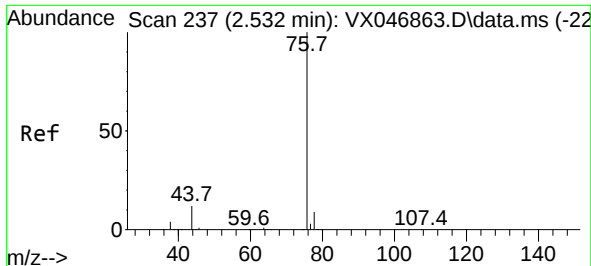
Tgt Ion: 56 Resp: 88
Ion Ratio Lower Upper
56 100
55 158.0 55.5 83.3#



#16
Acetone
Concen: 69.764 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 43 Resp: 105278
Ion Ratio Lower Upper
43 100
58 31.4 25.8 38.6

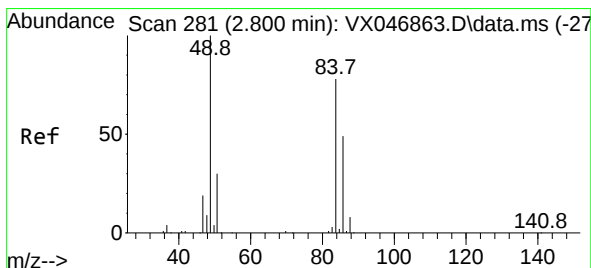
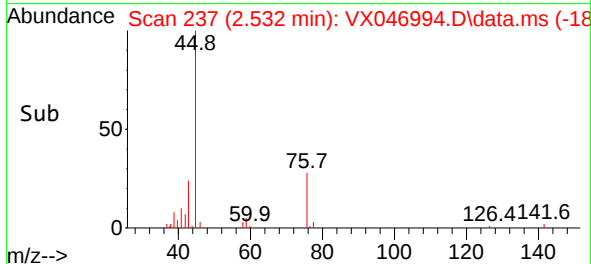
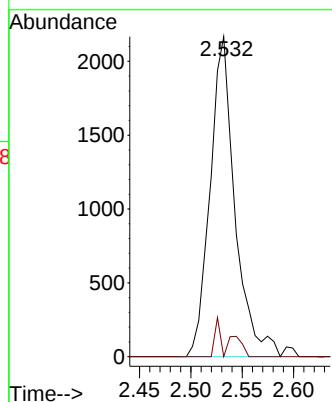
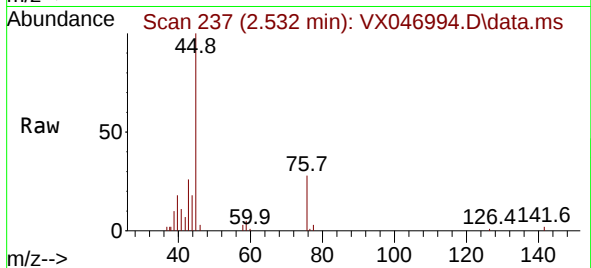




#17
Carbon Disulfide
Concen: 0.349 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

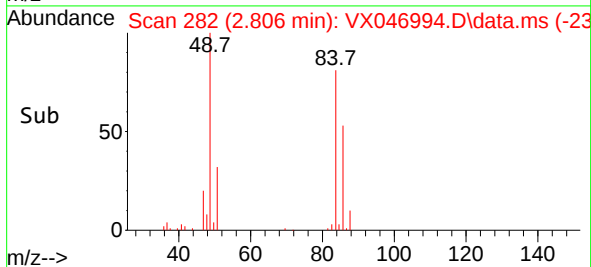
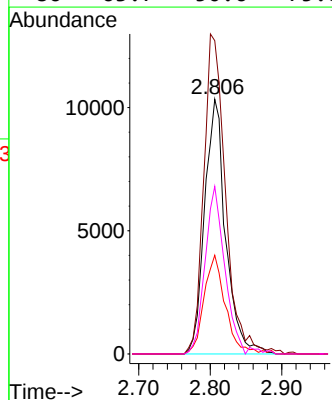
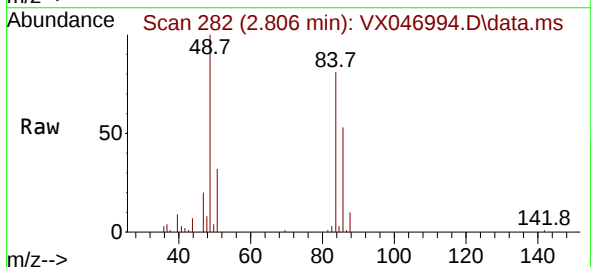
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

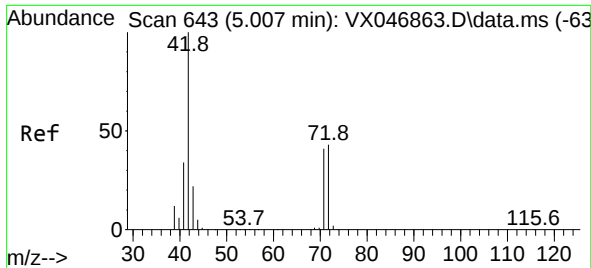
Tgt Ion: 76 Resp: 3645
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#



#20
Methylene Chloride
Concen: 4.729 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 84 Resp: 21104
Ion Ratio Lower Upper
84 100
49 119.2 102.8 154.2
51 37.6 31.1 46.7
86 63.7 50.6 75.8

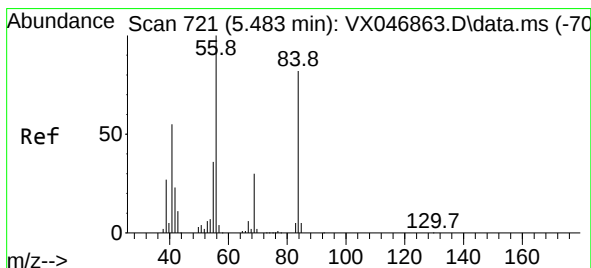
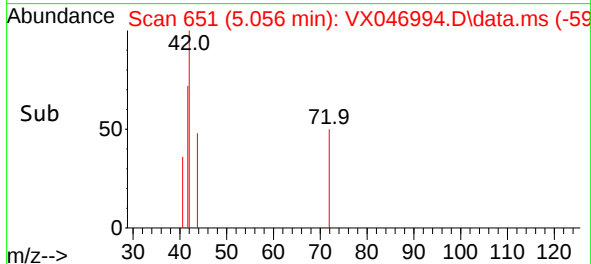
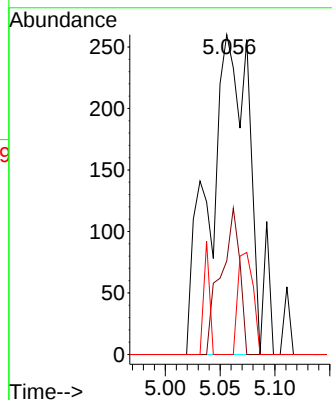
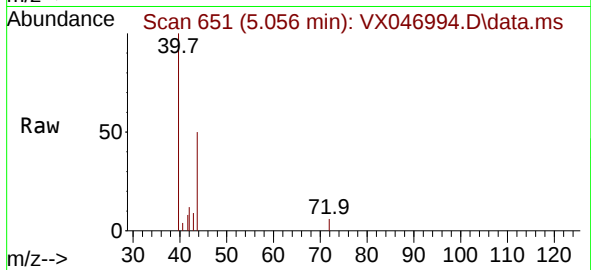




#29
Tetrahydrofuran
Concen: 0.524 ug/l
RT: 5.056 min Scan# 61
Delta R.T. 0.049 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

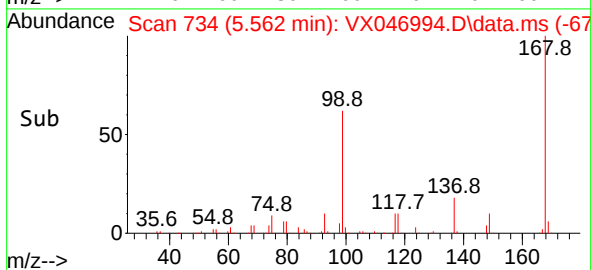
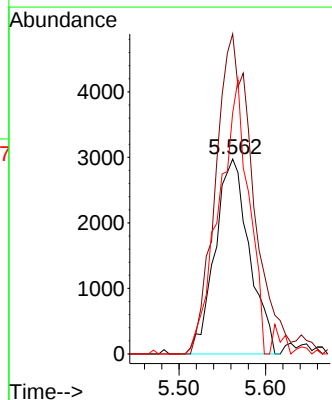
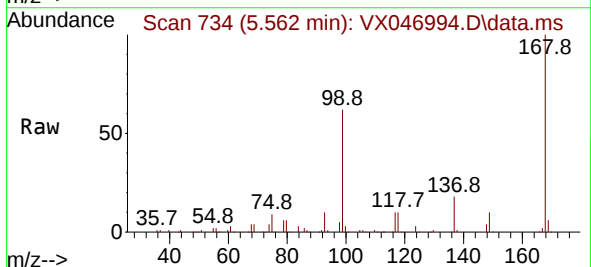
Instrument :
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ClientSampleId :
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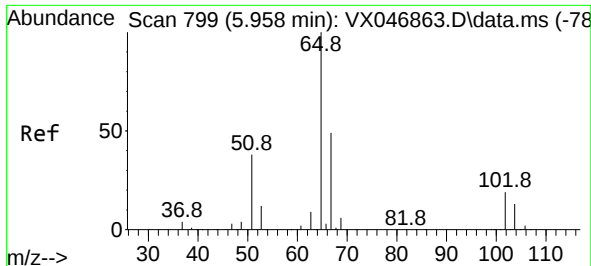
Tgt Ion: 42 Resp: 672
Ion Ratio Lower Upper
42 100
72 21.3 35.1 52.7#
71 11.9 31.9 47.9#



#31
Cyclohexane
Concen: 1.178 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 56 Resp: 8184
Ion Ratio Lower Upper
56 100
69 164.2 24.0 36.0#
84 123.7 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 54.038 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046994.D

Acq: 15 Jul 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

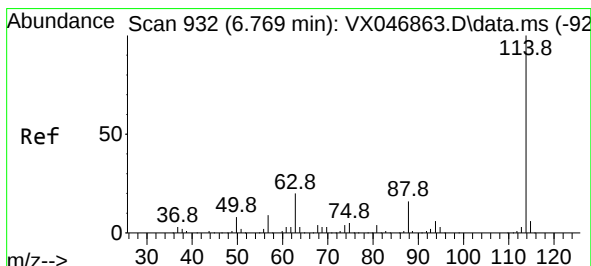
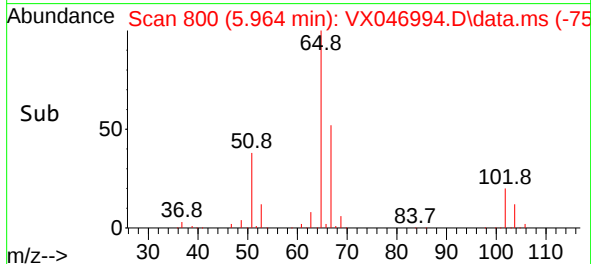
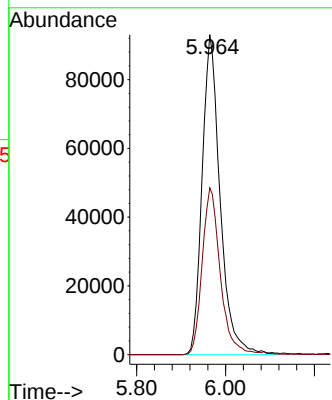
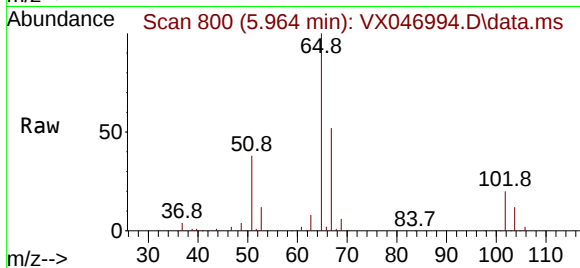
WC-A2-09-GRE

Tgt Ion: 65 Resp: 262527

Ion Ratio Lower Upper

65 100

67 52.7 0.0 105.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. -0.000 min

Lab File: VX046994.D

Acq: 15 Jul 2025 12:30

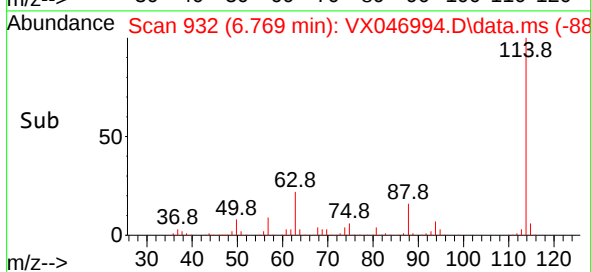
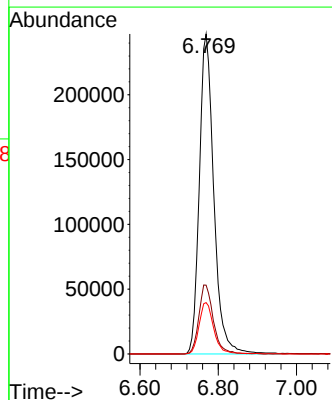
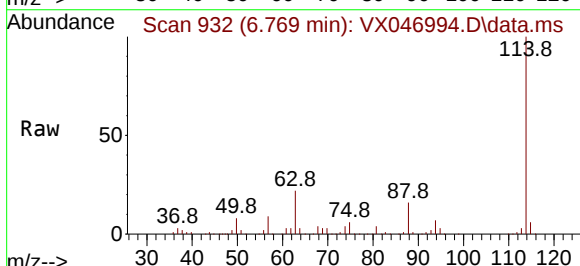
Tgt Ion: 114 Resp: 634652

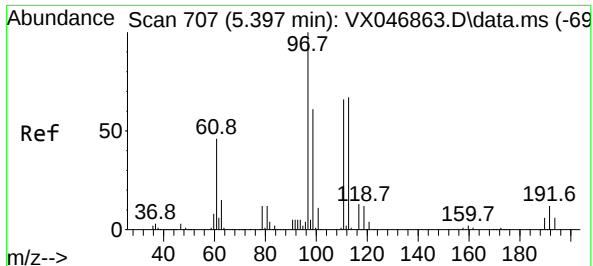
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 16.0 0.0 31.0

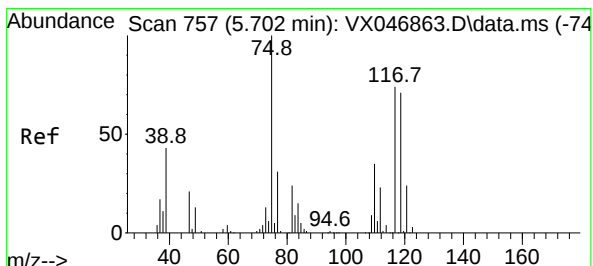
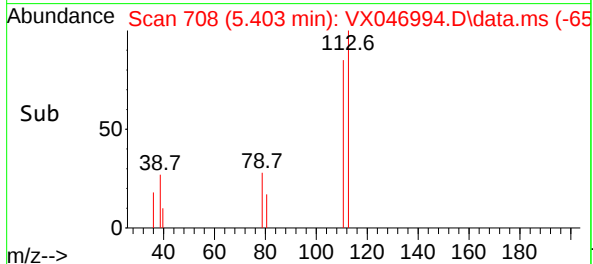
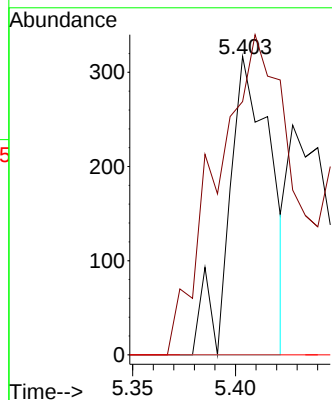
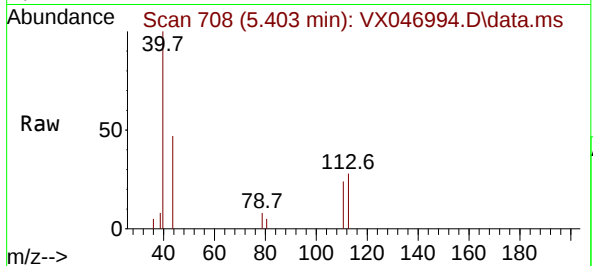




#35
Dibromofluoromethane
Concen: 0.105 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

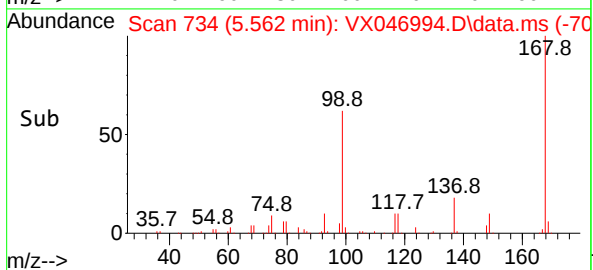
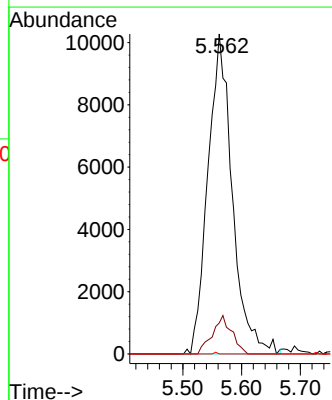
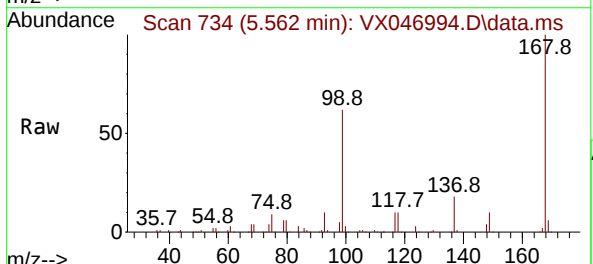
Instrument :
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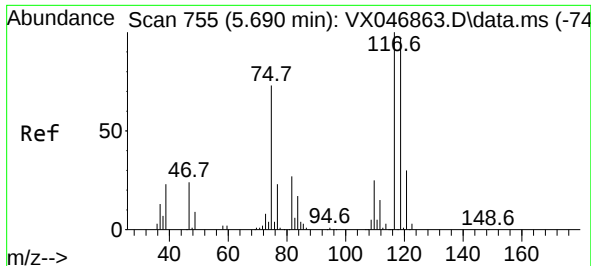
Tgt Ion:113 Resp: 452
Ion Ratio Lower Upper
113 100
111 223.5 81.2 121.8#
192 0.0 15.3 22.9#



#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 75 Resp: 29611
Ion Ratio Lower Upper
75 100
110 9.5 17.3 51.9#
77 0.1 24.2 36.4#

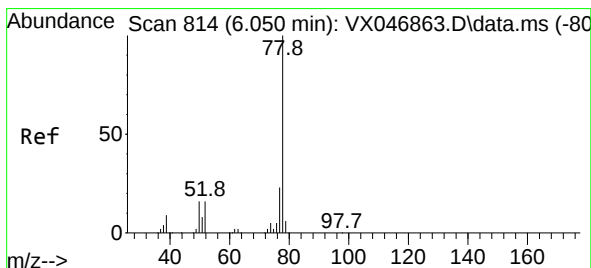
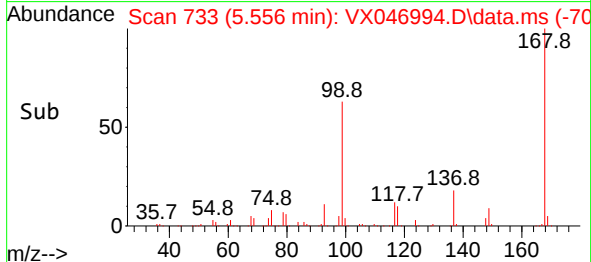
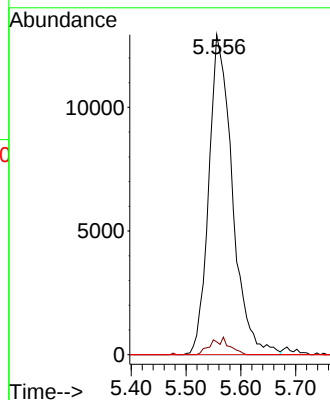
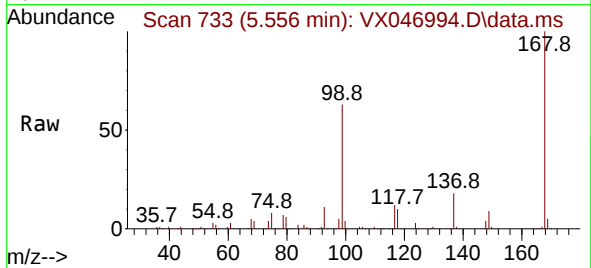




#38
Carbon Tetrachloride
Concen: 6.290 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

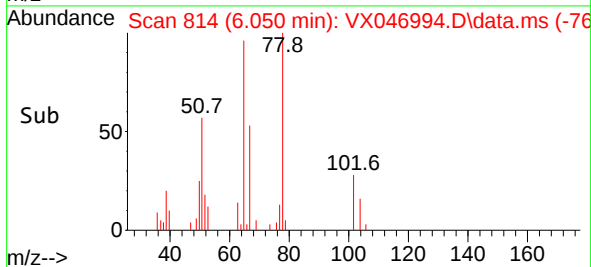
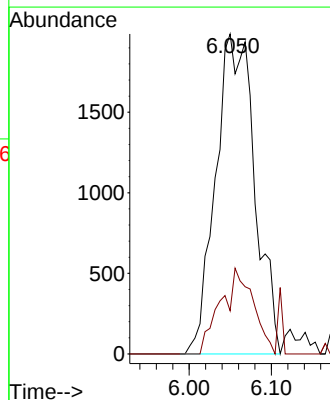
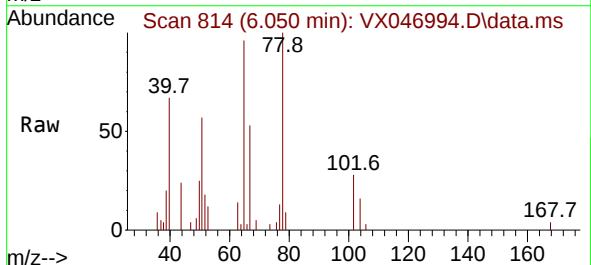
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

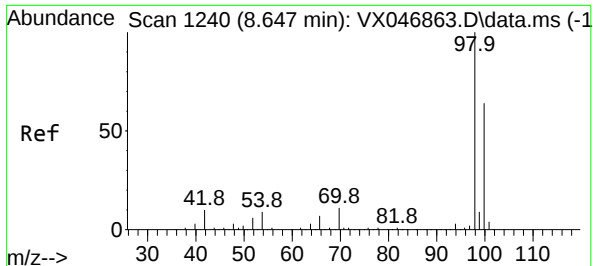
Tgt Ion:117 Resp: 38654
Ion Ratio Lower Upper
117 100
119 4.0 76.6 114.8#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 0.373 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 78 Resp: 6556
Ion Ratio Lower Upper
78 100
77 13.5 18.7 28.1#

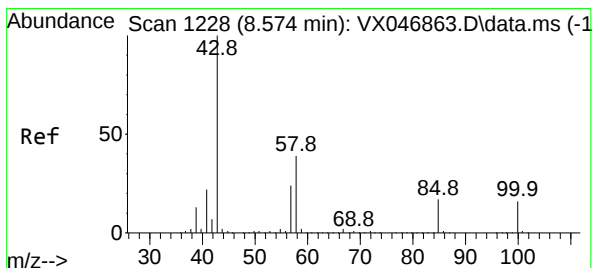
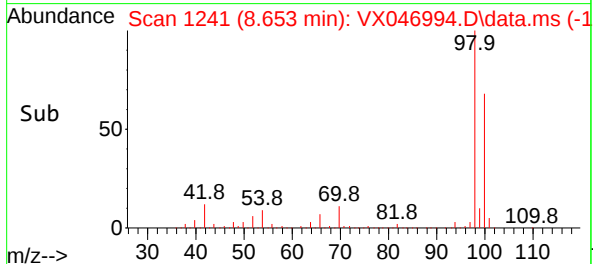
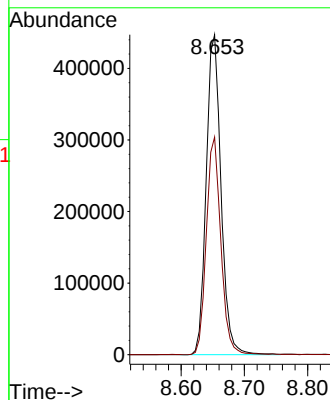
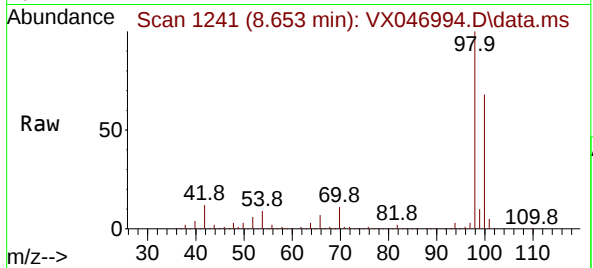




#50
Toluene-d8
Concen: 47.962 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

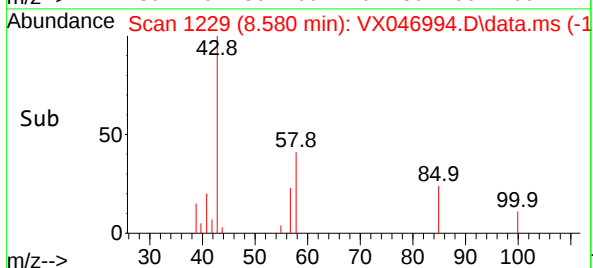
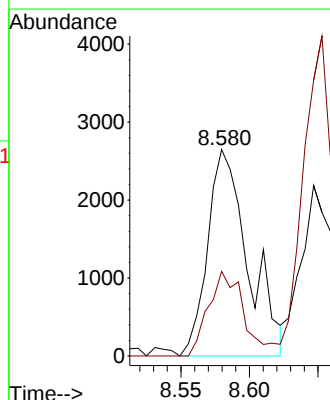
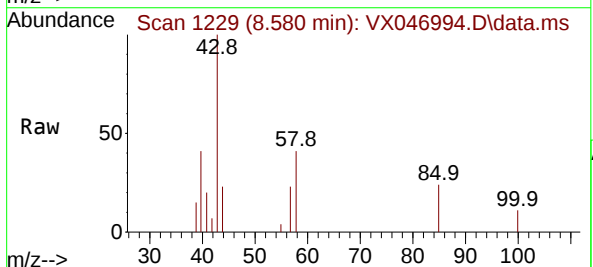
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

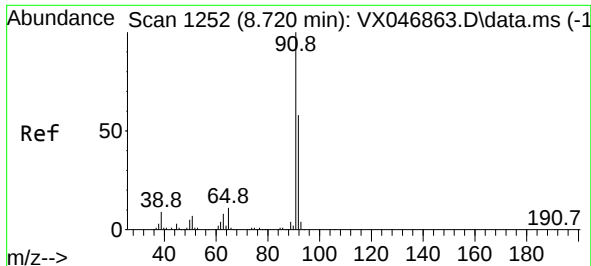
Tgt Ion: 98 Resp: 729003
Ion Ratio Lower Upper
98 100
100 66.3 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 1.212 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 43 Resp: 5425
Ion Ratio Lower Upper
43 100
58 34.5 30.4 45.6

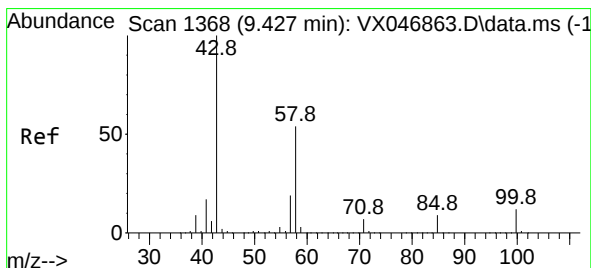
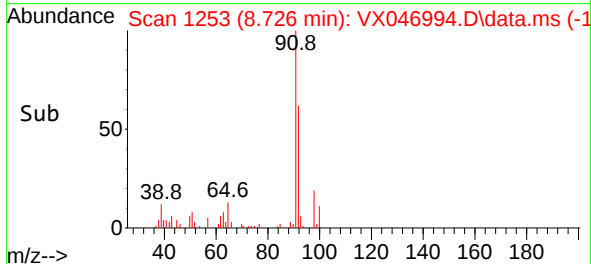
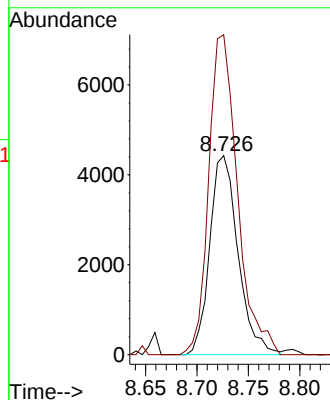
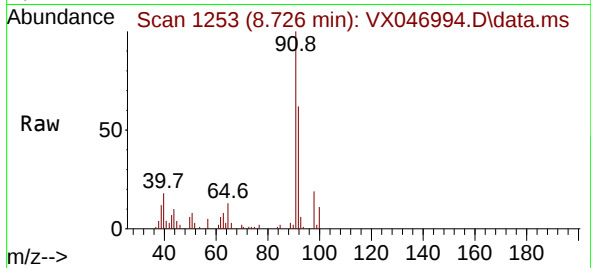




#52
Toluene
Concen: 0.777 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

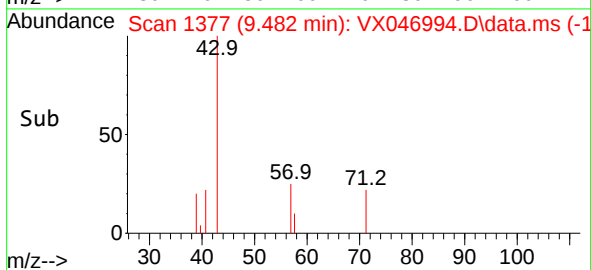
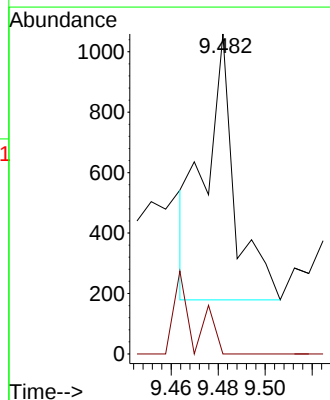
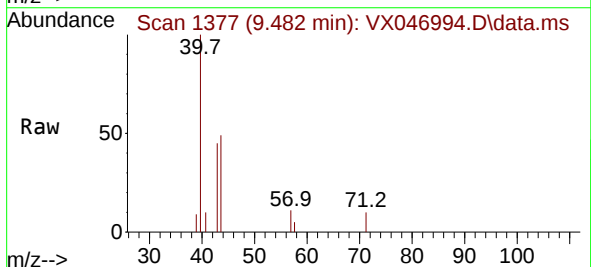
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

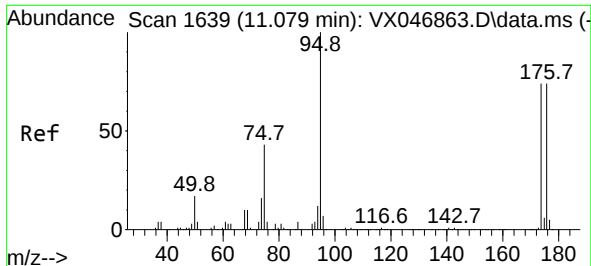
Tgt Ion: 92 Resp: 8466
Ion Ratio Lower Upper
92 100
91 163.7 137.9 206.9



#59
2-Hexanone
Concen: 0.264 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.055 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 43 Resp: 783
Ion Ratio Lower Upper
43 100
58 20.3 27.1 81.3#

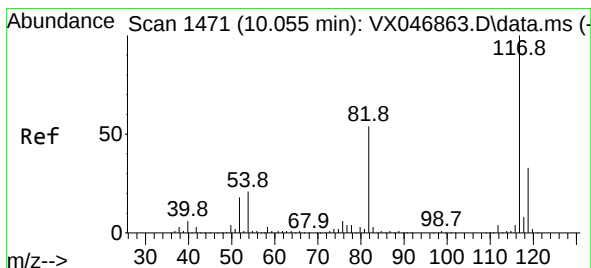
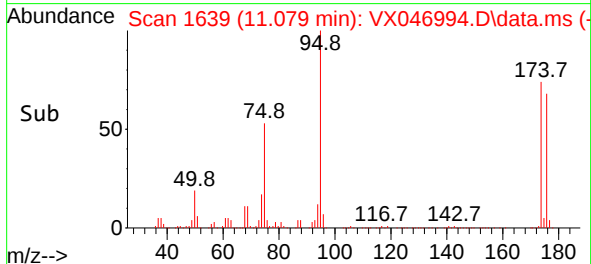
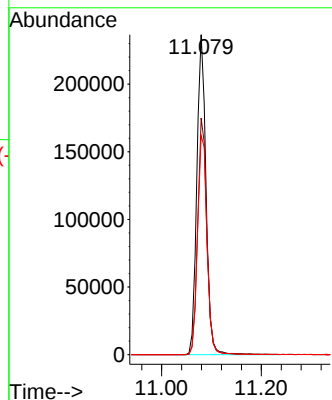
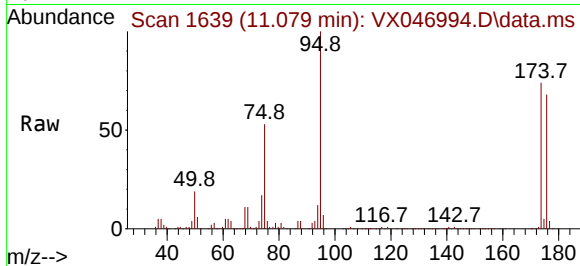




#62
4-Bromofluorobenzene
Concen: 52.177 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

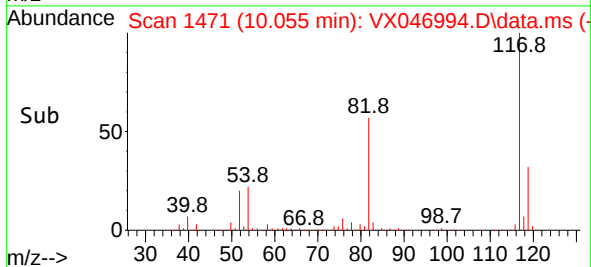
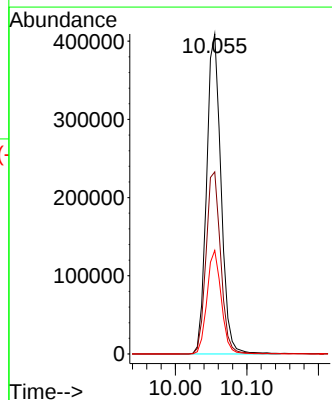
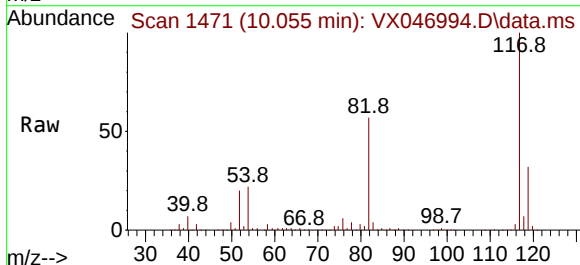
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

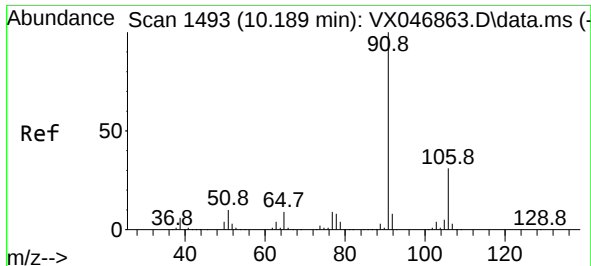
Tgt Ion: 95 Resp: 301415
Ion Ratio Lower Upper
95 100
174 73.6 0.0 152.0
176 70.7 0.0 145.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 117 Resp: 572996
Ion Ratio Lower Upper
117 100
82 56.9 43.3 64.9
119 32.3 26.4 39.6





#67

Ethyl Benzene

Concen: 1.654 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046994.D

Acq: 15 Jul 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

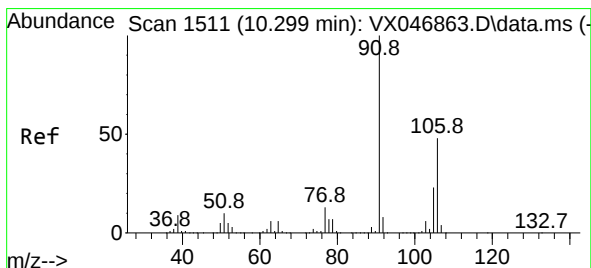
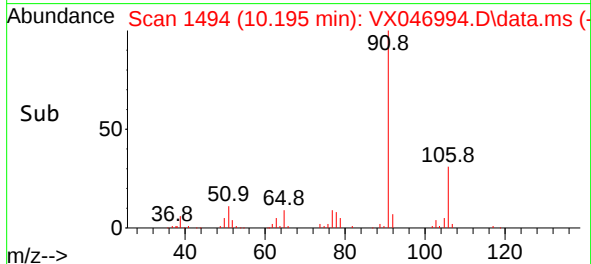
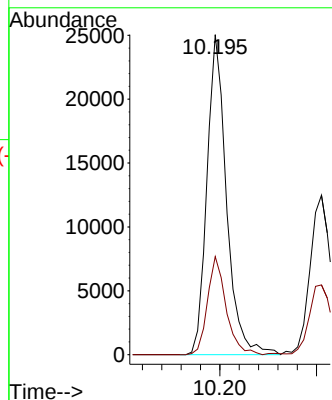
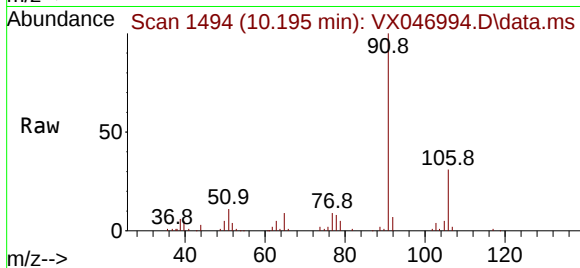
WC-A2-09-GRE

Tgt Ion: 91 Resp: 35100

Ion Ratio Lower Upper

91 100

106 30.6 24.4 36.6



#68

m/p-Xylenes

Concen: 1.096 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046994.D

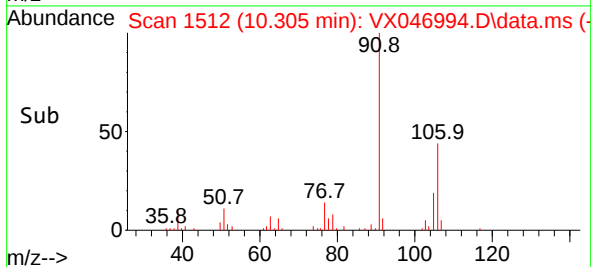
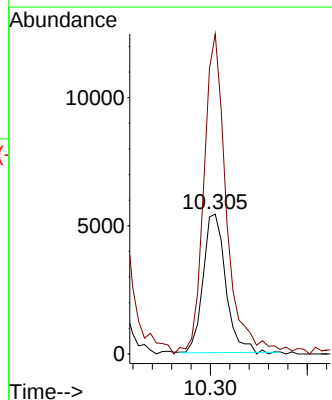
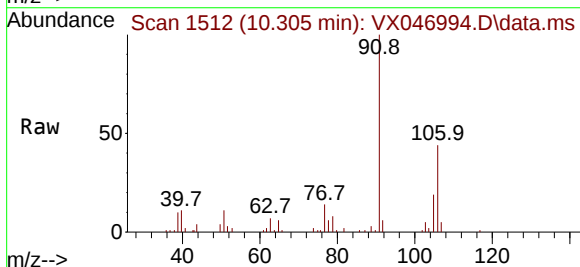
Acq: 15 Jul 2025 12:30

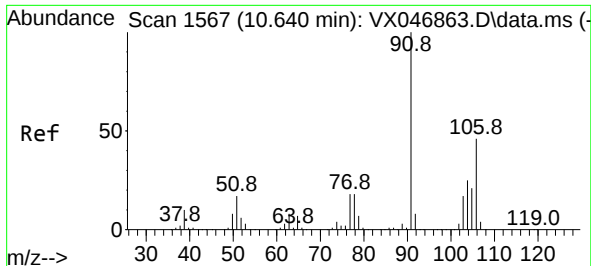
Tgt Ion: 106 Resp: 8758

Ion Ratio Lower Upper

106 100

91 235.0 164.6 246.8

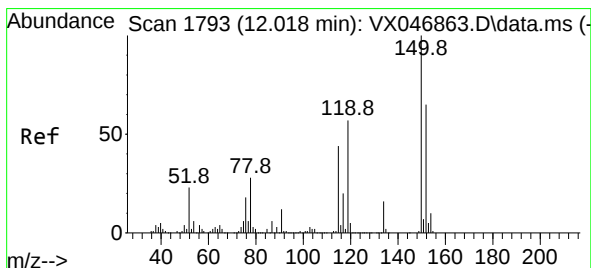
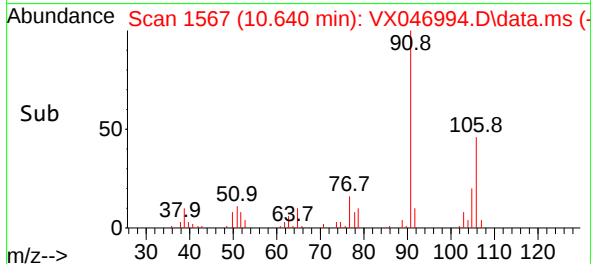
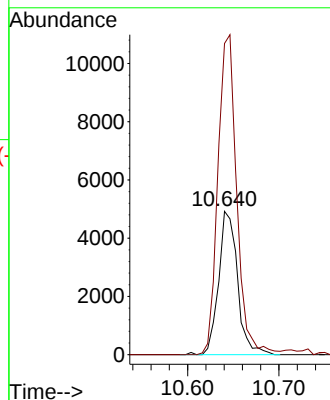
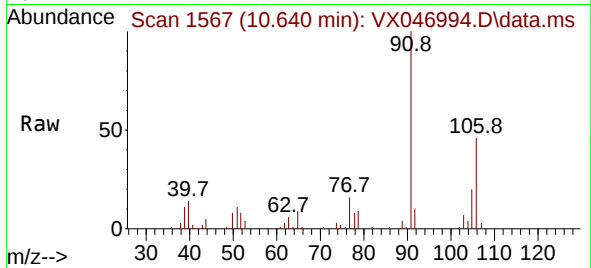




#69
o-Xylene
Concen: 0.920 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

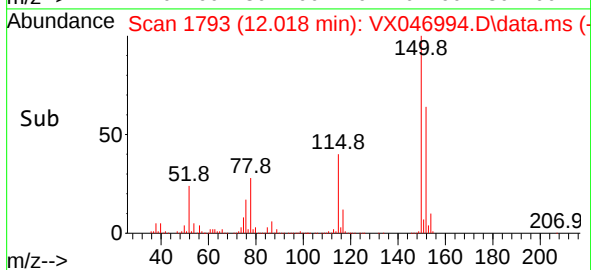
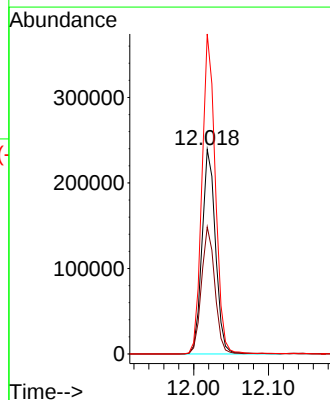
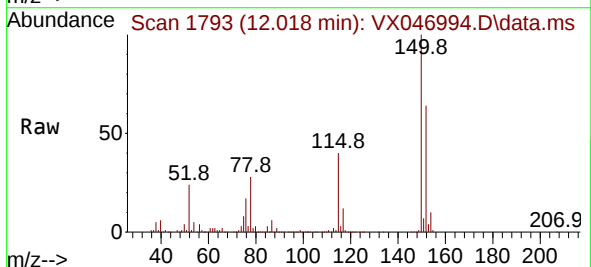
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

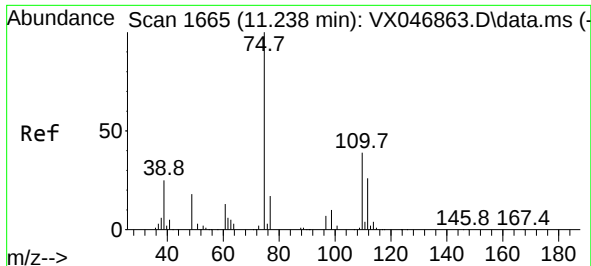
Tgt Ion:106 Resp: 7103
Ion Ratio Lower Upper
106 100
91 222.3 109.5 328.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion:152 Resp: 299369
Ion Ratio Lower Upper
152 100
115 61.6 42.4 127.1
150 154.8 0.0 349.2

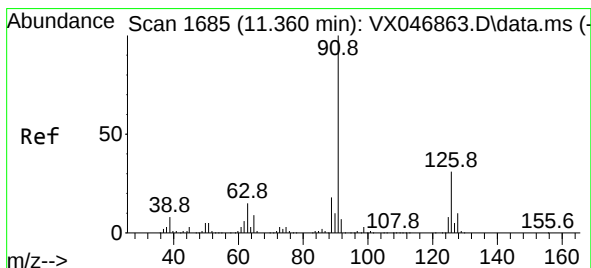
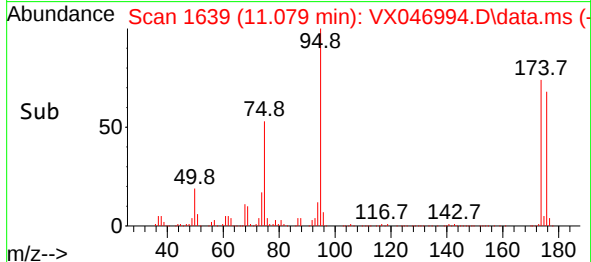
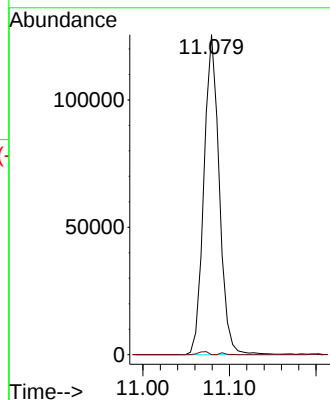
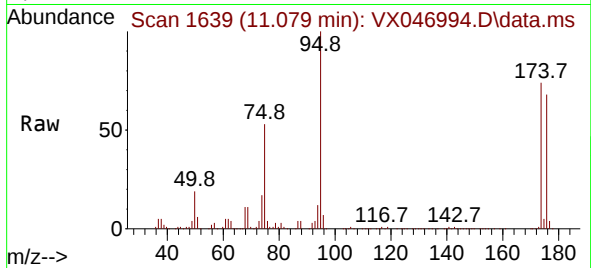




#76
1,2,3-Trichloropropane
Concen: 33.464 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

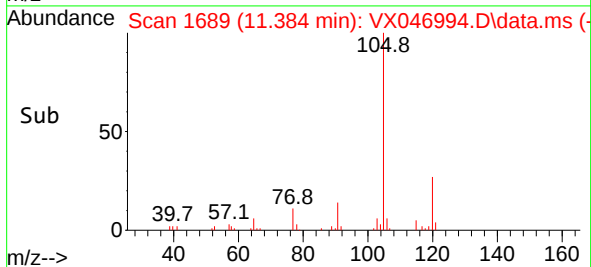
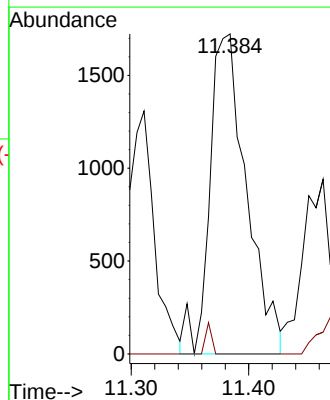
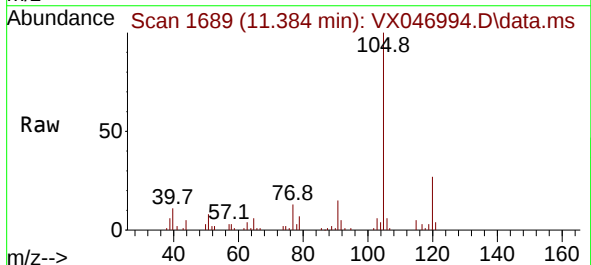
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

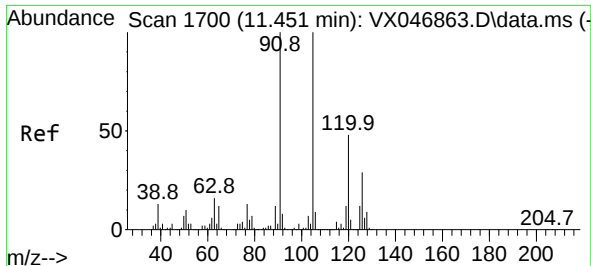
Tgt Ion: 75 Resp: 154794
Ion Ratio Lower Upper
75 100
77 0.6 20.6 61.8#



#79
2-Chlorotoluene
Concen: 0.250 ug/l
RT: 11.384 min Scan# 1689
Delta R.T. 0.024 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 91 Resp: 3749
Ion Ratio Lower Upper
91 100
126 1.7 16.6 49.8#

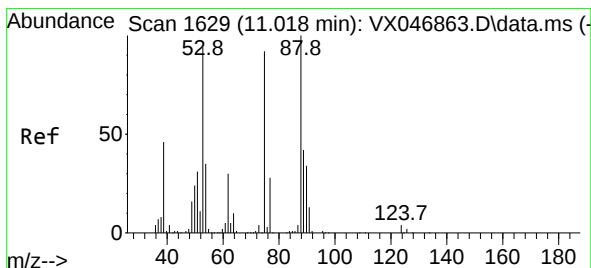
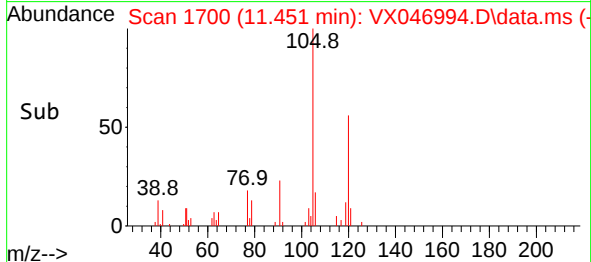
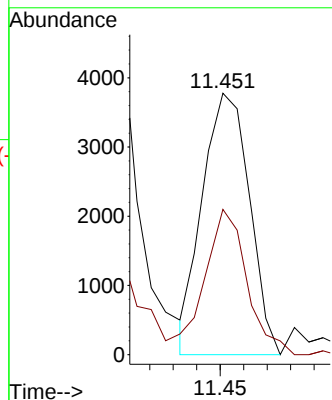
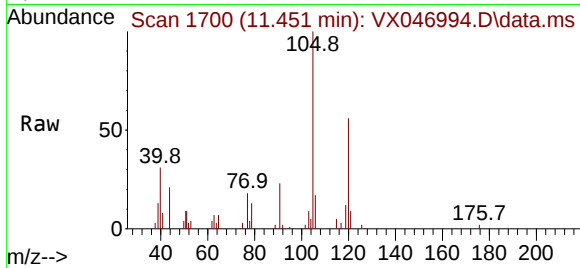




#80
1,3,5-Trimethylbenzene
Concen: 0.307 ug/l
RT: 11.451 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

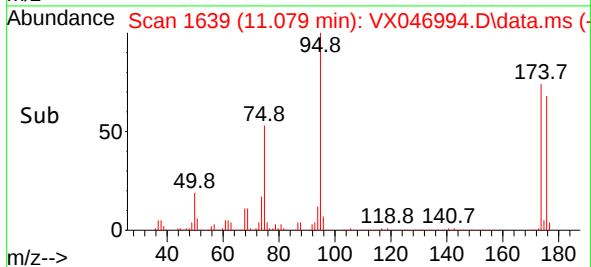
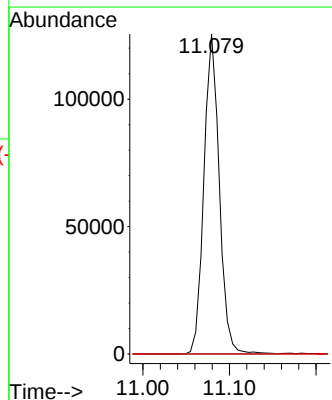
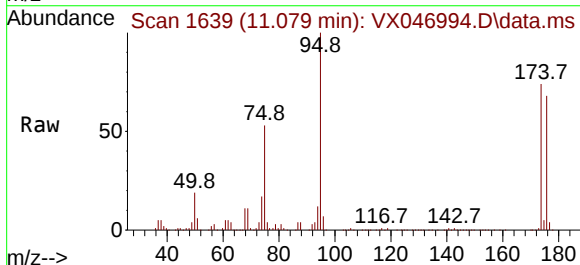
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

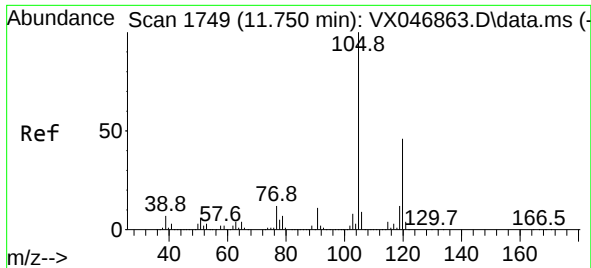
Tgt Ion:105 Resp: 5250
Ion Ratio Lower Upper
105 100
120 50.5 24.1 72.4



#81
trans-1,4-Dichloro-2-butene
Concen: 89.801 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Tgt Ion: 75 Resp: 154794
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#

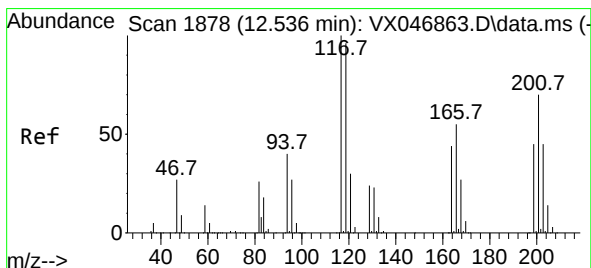
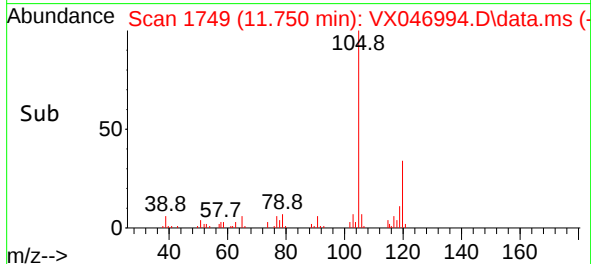
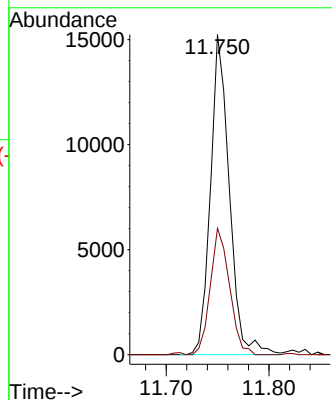
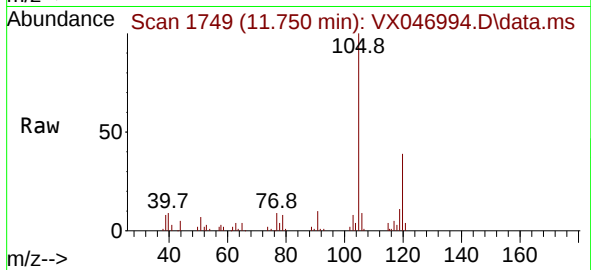




#84
 1,2,4-Trimethylbenzene
 Concen: 1.122 ug/l
 RT: 11.750 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046994.D
 Acq: 15 Jul 2025 12:30

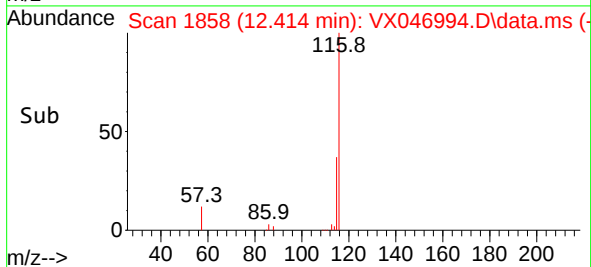
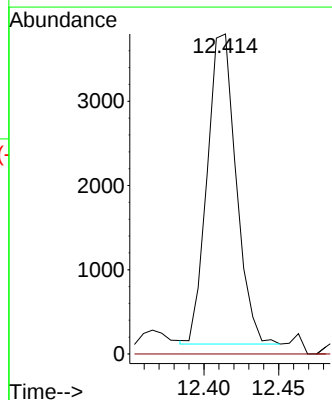
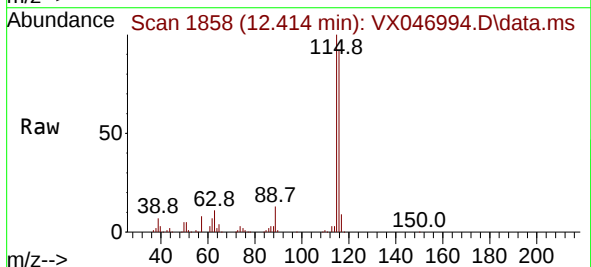
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-09-GRE

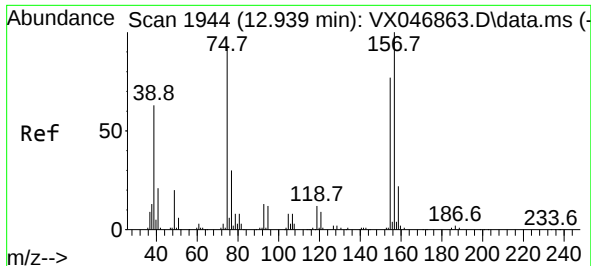
Tgt Ion:105 Resp: 19390
 Ion Ratio Lower Upper
 105 100
 120 40.2 23.3 69.8



#90
 Hexachloroethane
 Concen: 1.499 ug/l
 RT: 12.414 min Scan# 1858
 Delta R.T. -0.122 min
 Lab File: VX046994.D
 Acq: 15 Jul 2025 12:30

Tgt Ion:117 Resp: 4956
 Ion Ratio Lower Upper
 117 100
 201 0.0 35.8 107.4#

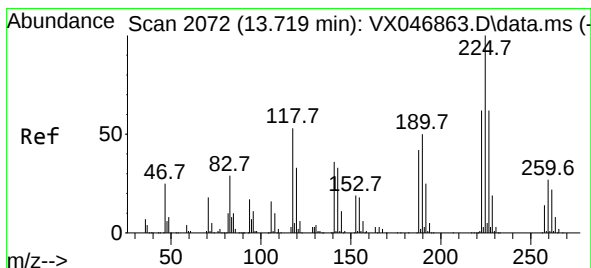
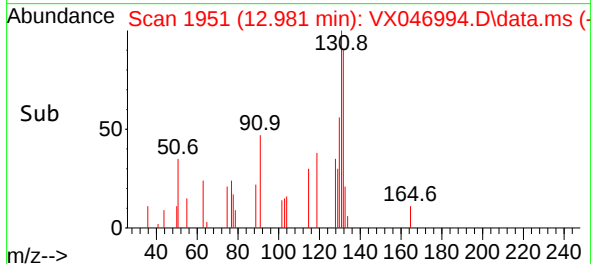
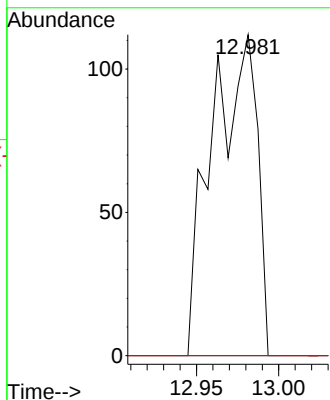
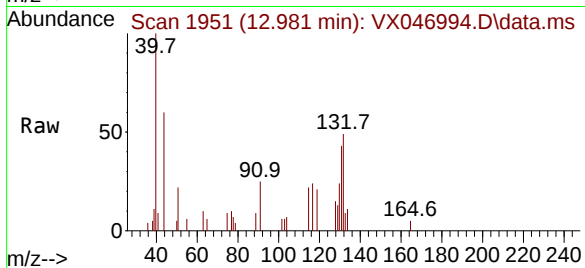




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.210 ug/l
RT: 12.981 min Scan# 1944
Delta R.T. 0.043 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

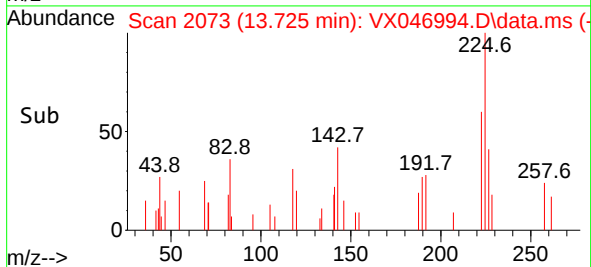
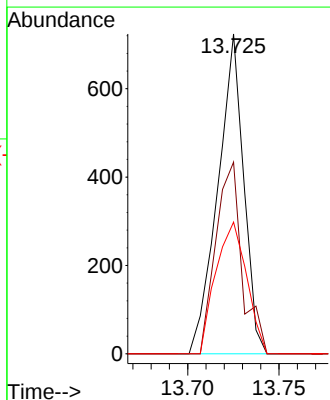
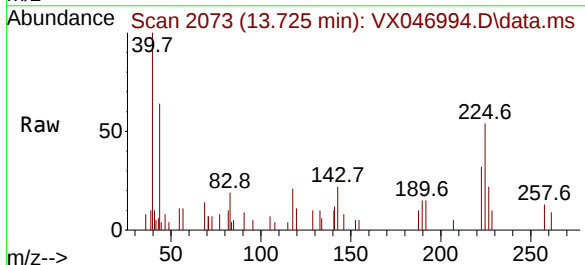
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE

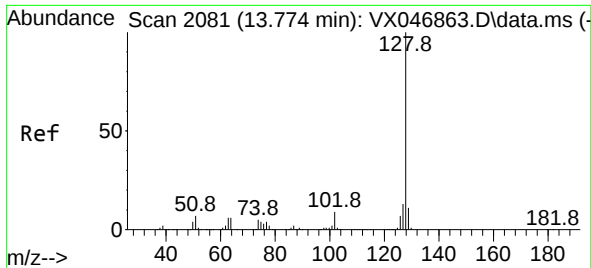
Tgt Ion: 75 Resp: 213
Ion Ratio Lower Upper
75 100
155 0.0 43.1 129.4#
157 0.0 56.5 169.5#



#94
Hexachlorobutadiene
Concen: 0.293 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

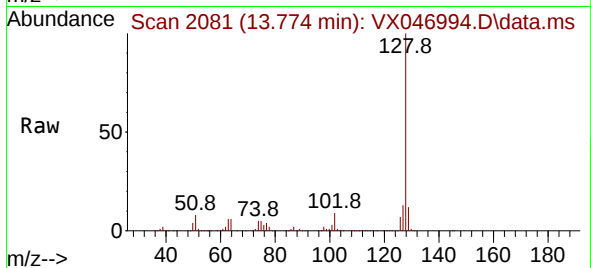
Tgt Ion: 225 Resp: 713
Ion Ratio Lower Upper
225 100
223 60.7 31.6 94.7
227 49.2 31.6 94.7





#95
Naphthalene
Concen: 149.983 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046994.D
Acq: 15 Jul 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-09-GRE



Tgt Ion:128 Resp: 2550761
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.1 8.6 13.0

