

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046979.D
 Acq On : 14 Jul 2025 17:10
 Operator : JC/MD
 Sample : Q2578-13
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-11-G

Quant Time: Jul 15 01:24:14 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)

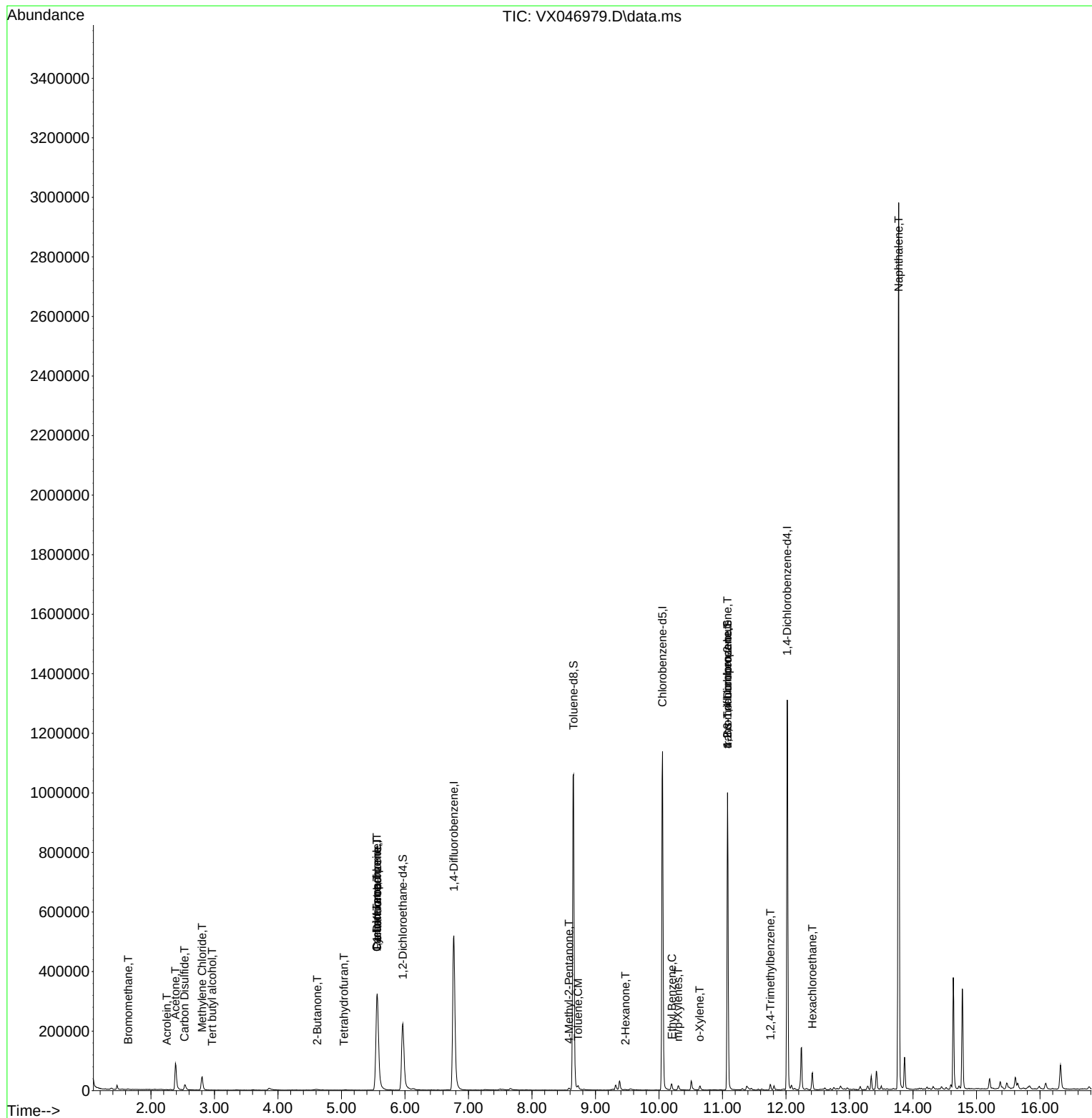
Internal Standards						
1) Pentafluorobenzene	5.562	168	327424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	571871	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	520250	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	268456	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	235554	54.456	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.920%			
35) Dibromofluoromethane	5.562	113	557	0.143	ug/l	0.16
Spiked Amount 50.000	Range 75 - 124		Recovery = 0.280%#			
50) Toluene-d8	8.653	98	657591	48.013	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.020%			
62) 4-Bromofluorobenzene	11.079	95	270900	52.043	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.080%			
Target Compounds					Qvalue	
5) Bromomethane	1.642	94	695	0.290	ug/l #	76
11) Tert butyl alcohol	2.965	59	166	0.585	ug/l #	93
13) Acrolein	2.252	56	19	2.895	ug/l #	1
16) Acetone	2.386	43	109109	81.205	ug/l	99
17) Carbon Disulfide	2.526	76	3414	0.367	ug/l #	82
20) Methylene Chloride	2.806	84	21366	5.378	ug/l	98
25) 2-Butanone	4.617	43	6170	3.442	ug/l #	75
29) Tetrahydrofuran	5.038	42	422	0.369	ug/l #	56
31) Cyclohexane	5.556	56	6832	1.105	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	26932	5.142	ug/l #	51
38) Carbon Tetrachloride	5.556	117	33368	6.026	ug/l #	17
51) 4-Methyl-2-Pentanone	8.580	43	4843	1.201	ug/l	93
52) Toluene	8.726	92	4268	0.435	ug/l	96
59) 2-Hexanone	9.470	43	1240	0.464	ug/l #	49
67) Ethyl Benzene	10.201	91	13090	0.680	ug/l	93
68) m/p-Xylenes	10.299	106	3849	0.530	ug/l	85
69) o-Xylene	10.640	106	3014	0.430	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	136970	33.021	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	136970	88.611	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	9254	0.597	ug/l	88
90) Hexachloroethane	12.414	117	2623	0.885	ug/l #	14
95) Naphthalene	13.774	128	1785469	117.074	ug/l	100

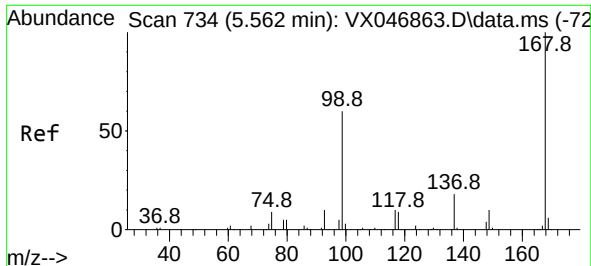
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
Data File : VX046979.D
Acq On : 14 Jul 2025 17:10
Operator : JC/MD
Sample : Q2578-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

Quant Time: Jul 15 01:24:14 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

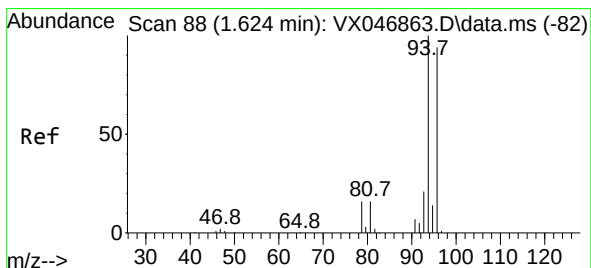
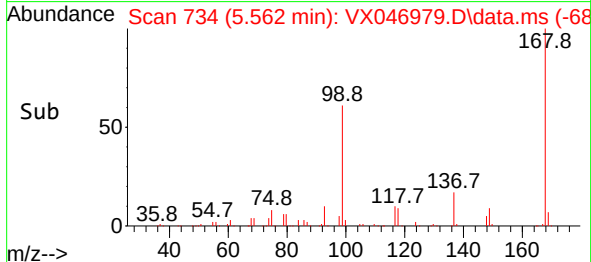
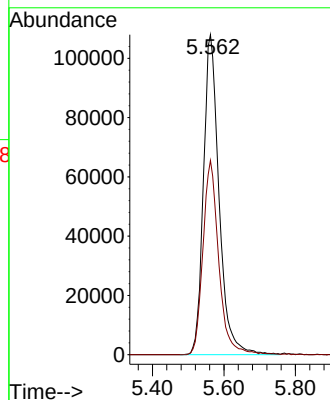
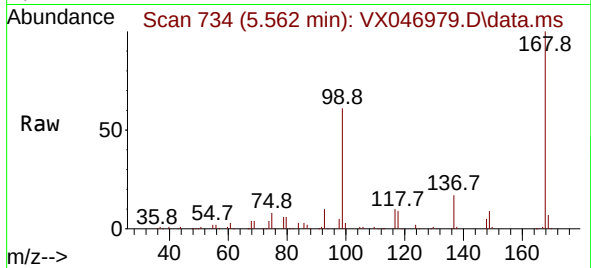




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

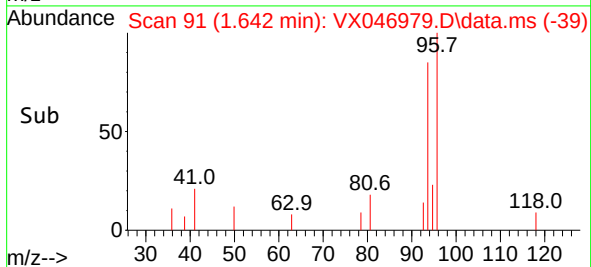
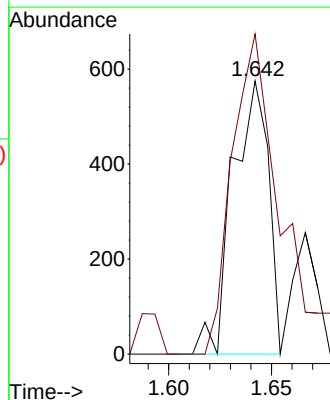
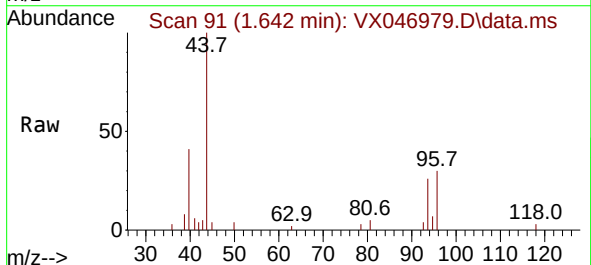
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

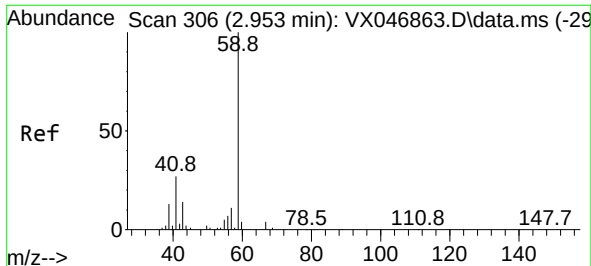
Tgt Ion:168 Resp: 327424
Ion Ratio Lower Upper
168 100
99 60.7 48.8 73.2



#5
Bromomethane
Concen: 0.290 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion: 94 Resp: 695
Ion Ratio Lower Upper
94 100
96 117.2 75.5 113.3#

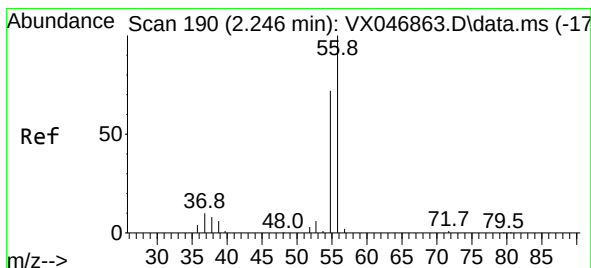
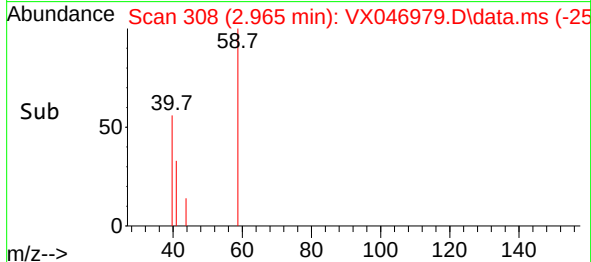
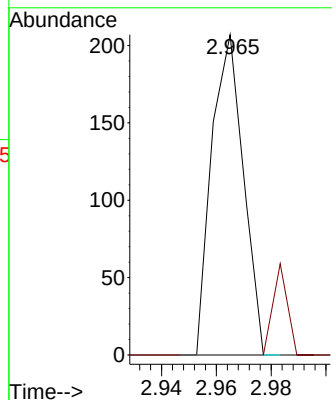
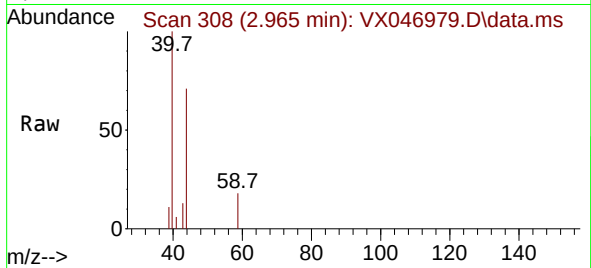




#11
Tert butyl alcohol
Concen: 0.585 ug/l
RT: 2.965 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

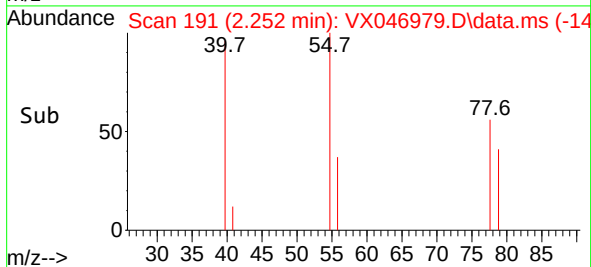
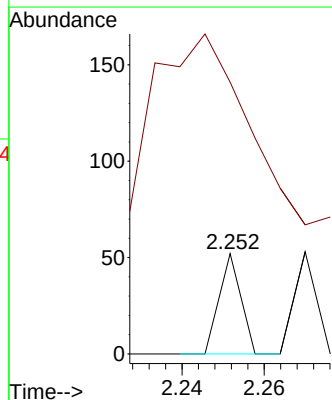
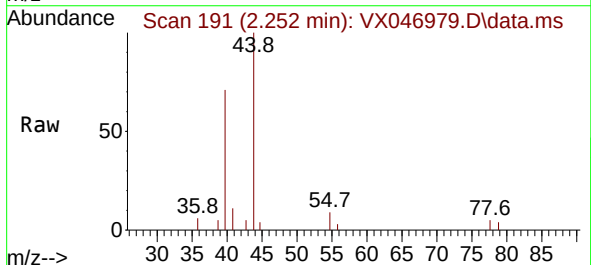
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

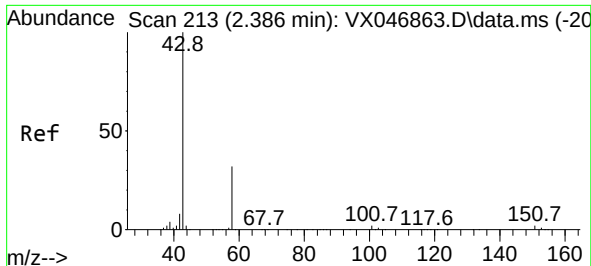
Tgt Ion: 59 Resp: 166
Ion Ratio Lower Upper
59 100
57 13.3 8.5 12.7#



#13
Acrolein
Concen: 2.895 ug/l
RT: 2.252 min Scan# 191
Delta R.T. 0.006 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 2089.5 55.5 83.3#

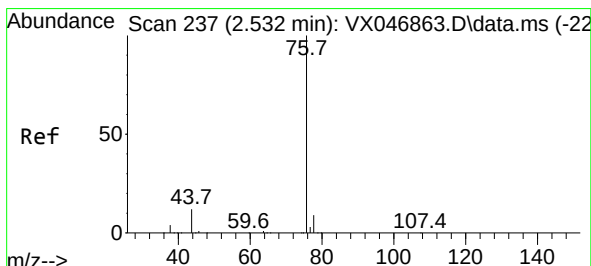
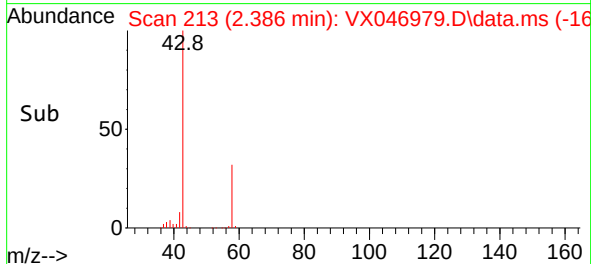
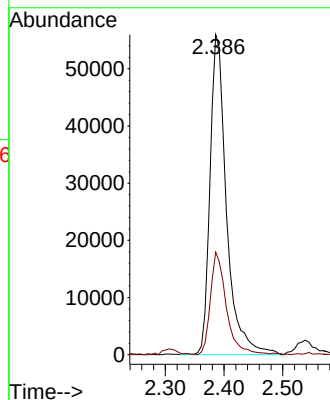
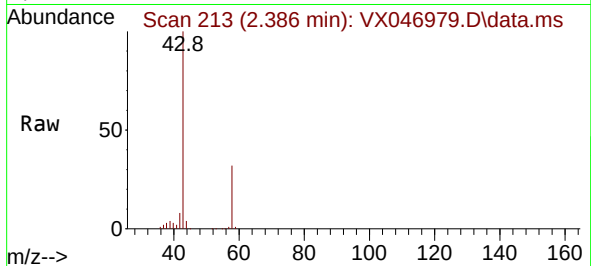




#16
Acetone
Concen: 81.205 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

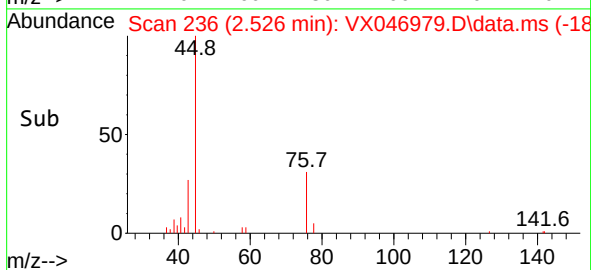
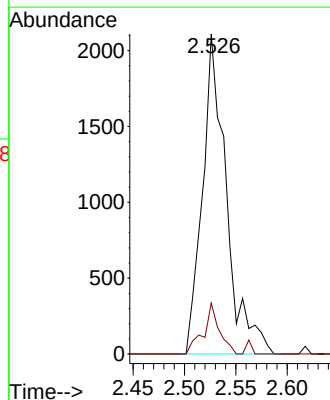
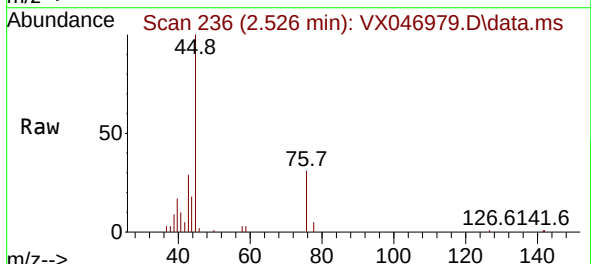
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

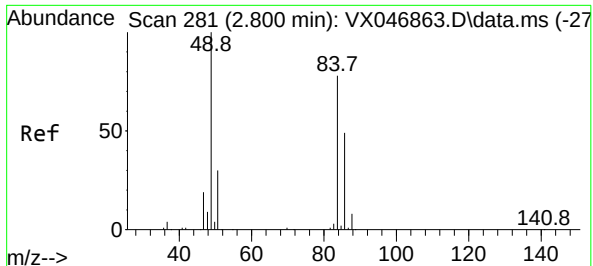
Tgt Ion: 43 Resp: 109109
Ion Ratio Lower Upper
43 100
58 31.7 25.8 38.6



#17
Carbon Disulfide
Concen: 0.367 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion: 76 Resp: 3414
Ion Ratio Lower Upper
76 100
78 15.9 7.4 11.2#

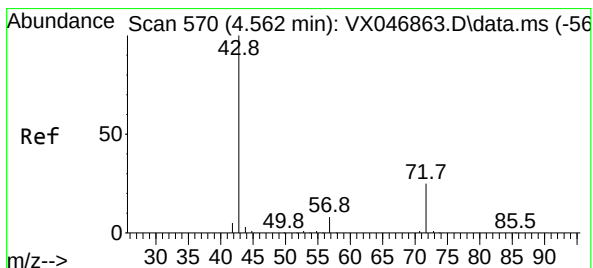
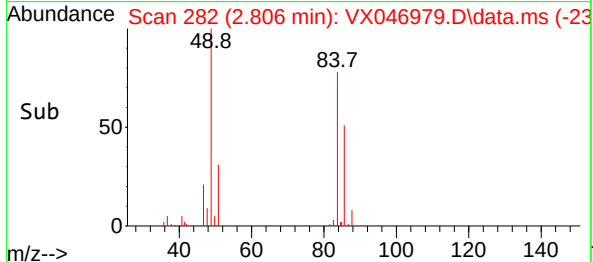
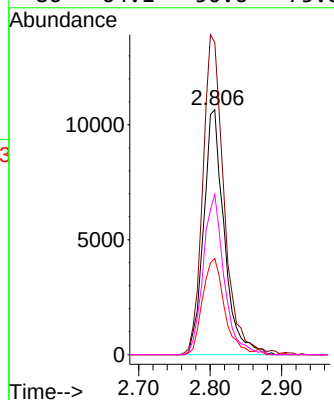
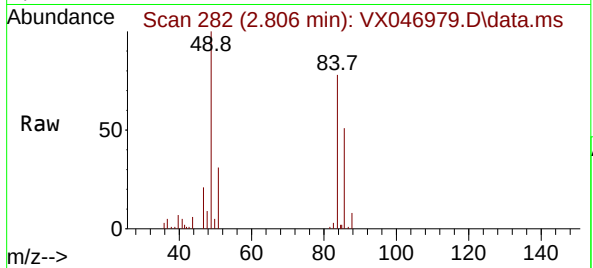




#20
Methylene Chloride
Concen: 5.378 ug/l
RT: 2.806 min Scan# 21366
Delta R.T. 0.006 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

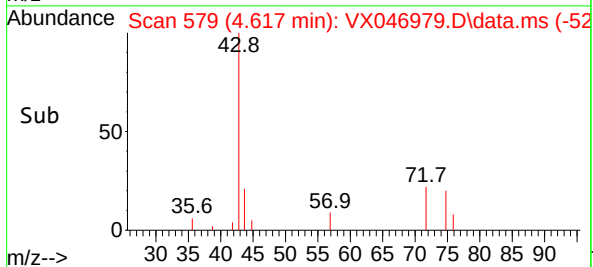
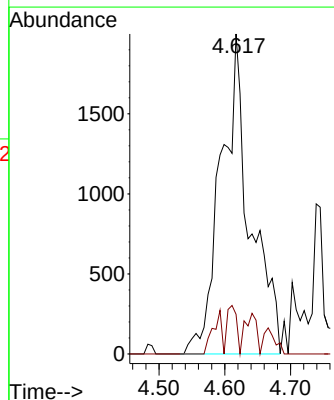
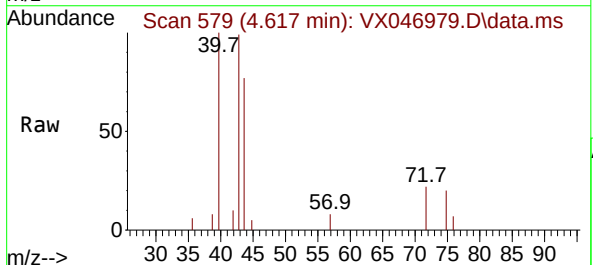
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

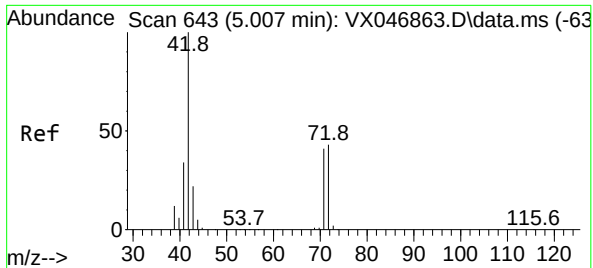
Tgt Ion:	84	Resp:	21366
Ion	Ratio	Lower	Upper
84	100		
49	124.9	102.8	154.2
51	38.4	31.1	46.7
86	64.1	50.6	75.8



#25
2-Butanone
Concen: 3.442 ug/l
RT: 4.617 min Scan# 579
Delta R.T. 0.055 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion:	43	Resp:	6170
Ion	Ratio	Lower	Upper
43	100		
72	12.4	20.0	30.0#





#29

Tetrahydrofuran

Concen: 0.369 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX046979.D

Acq: 14 Jul 2025 17:10

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-11-G

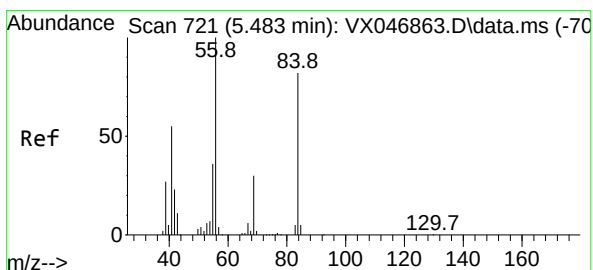
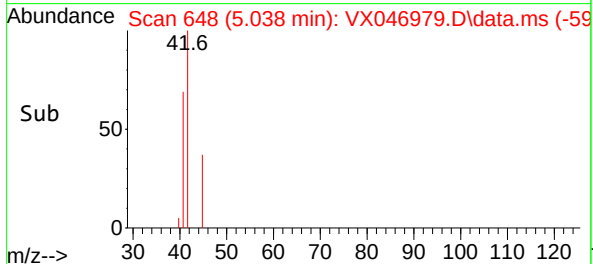
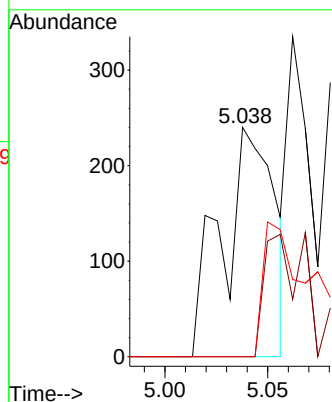
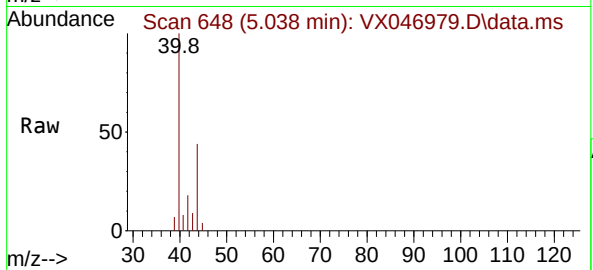
Tgt Ion: 42 Resp: 422

Ion Ratio Lower Upper

42 100

72 0.0 35.1 52.7#

71 50.5 31.9 47.9#



#31

Cyclohexane

Concen: 1.105 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX046979.D

Acq: 14 Jul 2025 17:10

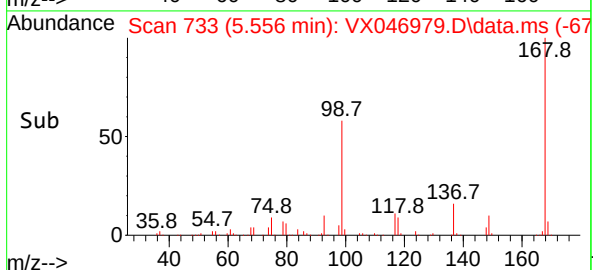
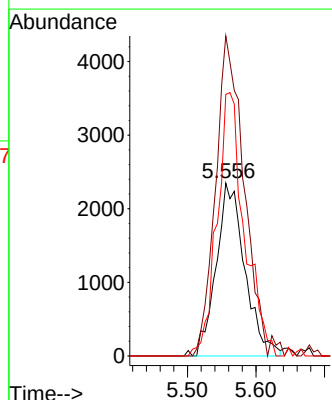
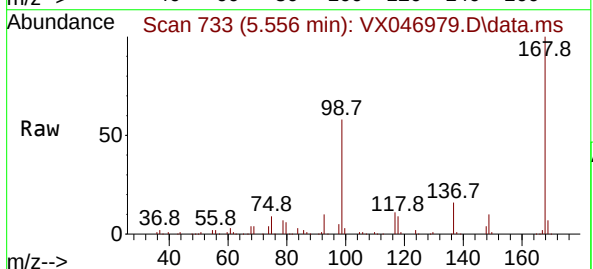
Tgt Ion: 56 Resp: 6832

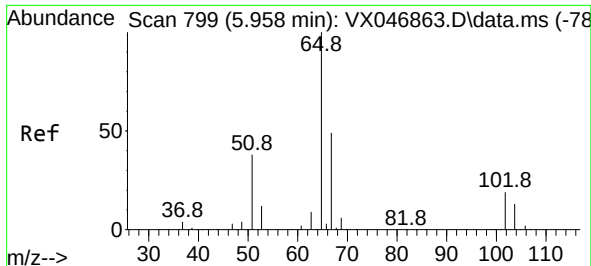
Ion Ratio Lower Upper

56 100

69 185.1 24.0 36.0#

84 151.3 66.5 99.7#

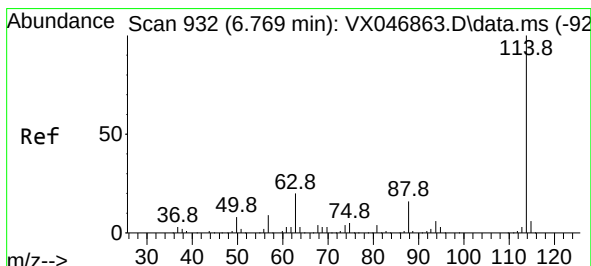
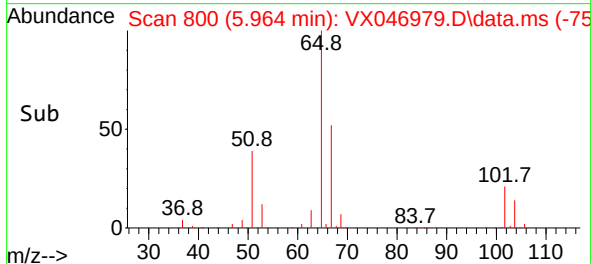
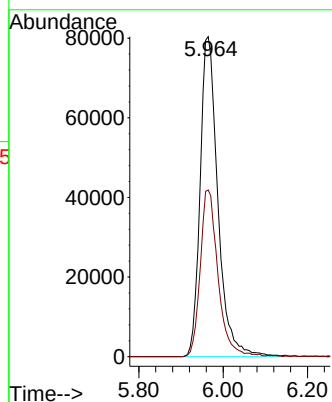
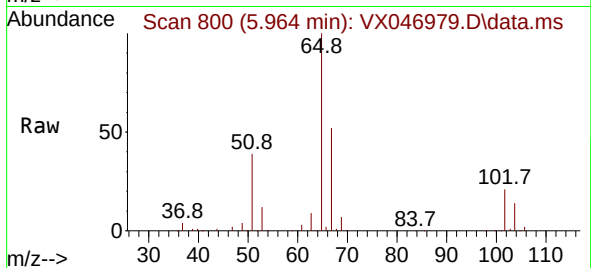




#33
 1,2-Dichloroethane-d4
 Concen: 54.456 ug/l
 RT: 5.964 min Scan# 800
 Delta R.T. 0.006 min
 Lab File: VX046979.D
 Acq: 14 Jul 2025 17:10

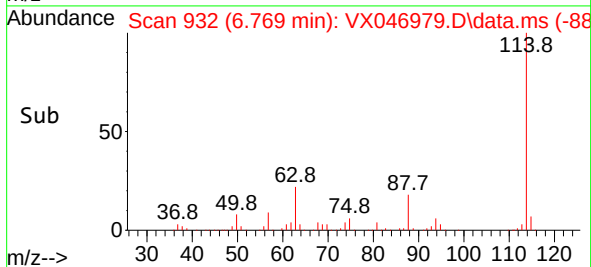
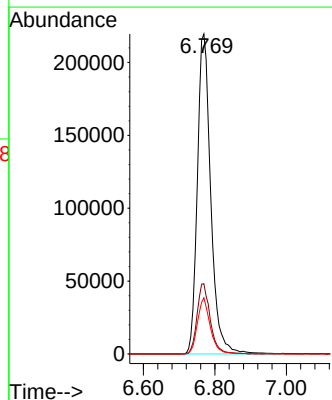
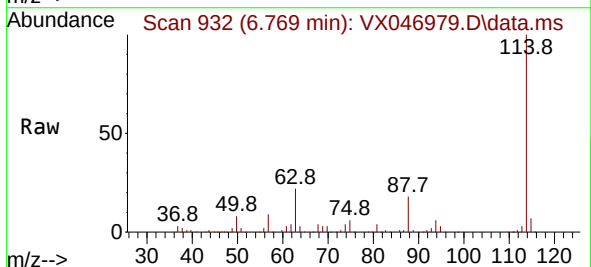
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-11-G

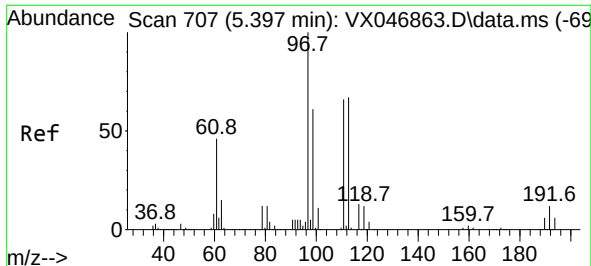
Tgt Ion: 65 Resp: 235554
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.769 min Scan# 932
 Delta R.T. 0.000 min
 Lab File: VX046979.D
 Acq: 14 Jul 2025 17:10

Tgt Ion: 114 Resp: 571871
 Ion Ratio Lower Upper
 114 100
 63 22.0 0.0 40.4
 88 17.6 0.0 31.0

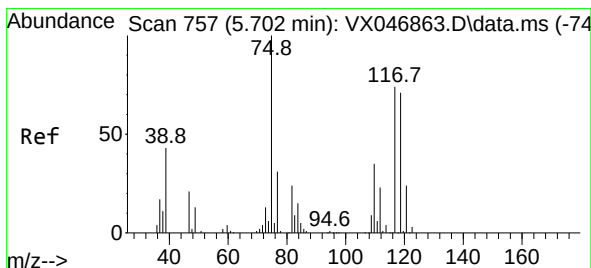
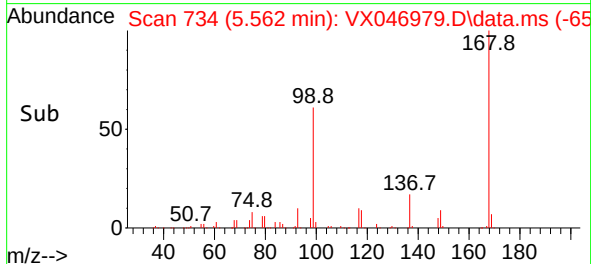
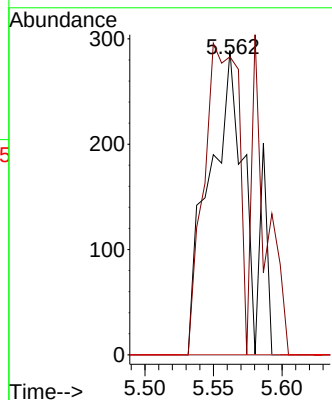
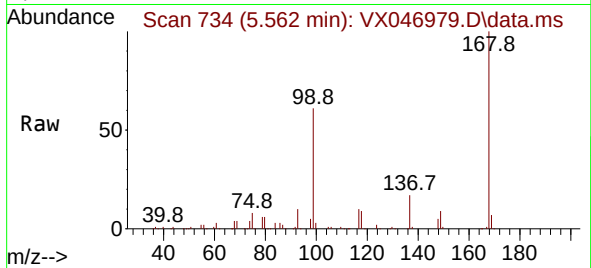




#35
Dibromofluoromethane
Concen: 0.143 ug/l
RT: 5.562 min Scan# 711
Delta R.T. 0.165 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

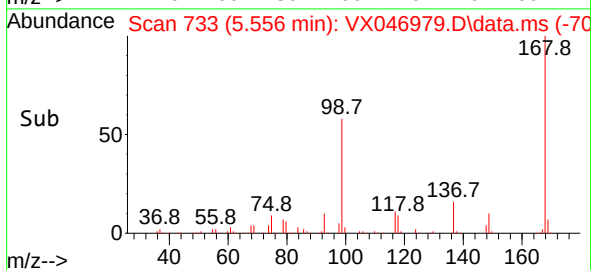
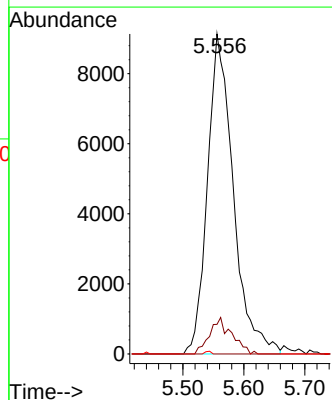
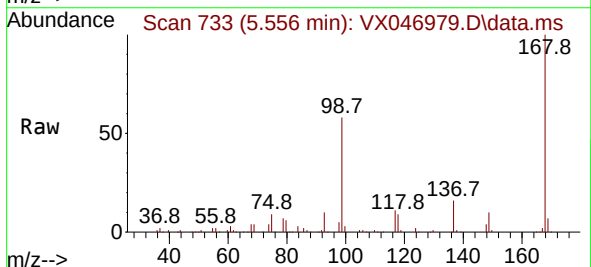
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

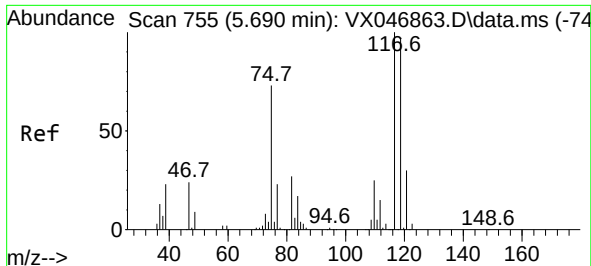
Tgt Ion:113 Resp: 557
Ion Ratio Lower Upper
113 100
111 92.6 81.2 121.8
192 0.0 15.3 22.9#



#36
1,1-Dichloropropene
Concen: 5.142 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.146 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

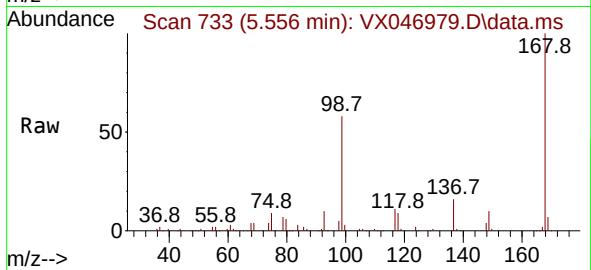
Tgt Ion: 75 Resp: 26932
Ion Ratio Lower Upper
75 100
110 9.7 17.3 51.9#
77 0.2 24.2 36.4#



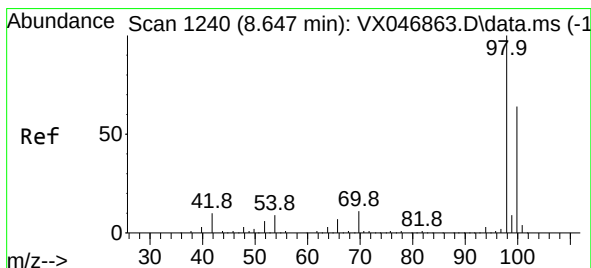
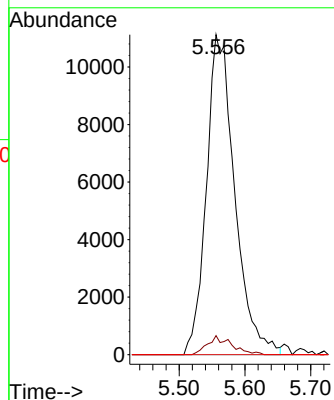
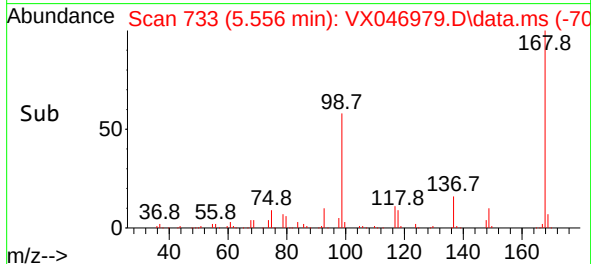


#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

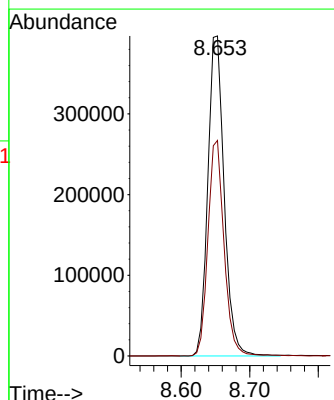
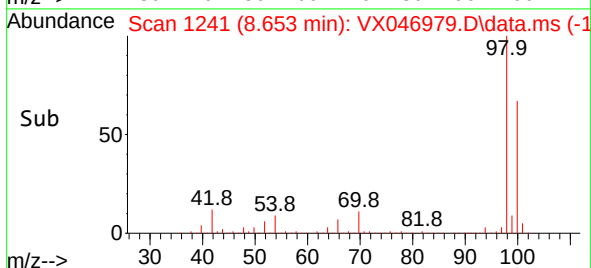
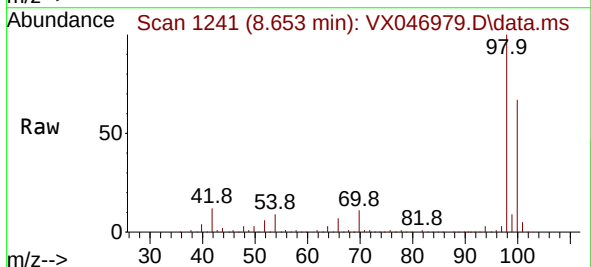


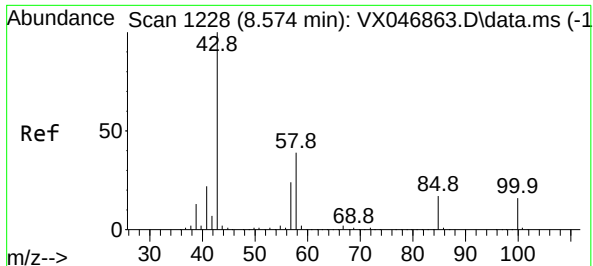
Tgt Ion:117 Resp: 33368
Ion Ratio Lower Upper
117 100
119 6.0 76.6 114.8#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 48.013 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion: 98 Resp: 657591
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6

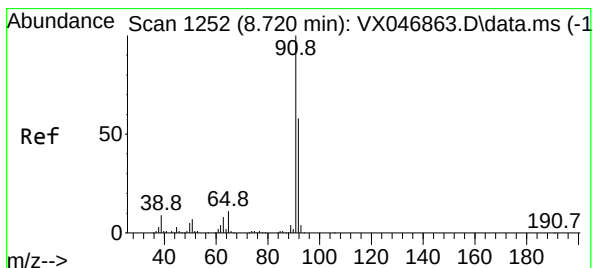
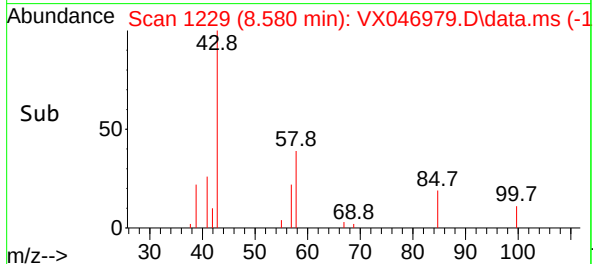
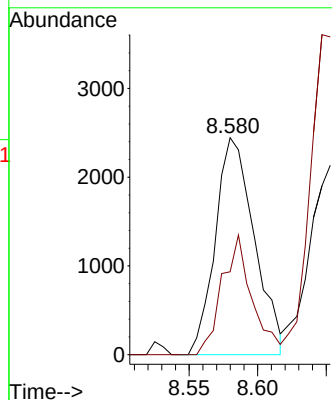
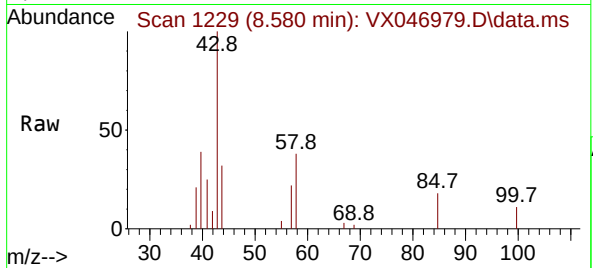




#51
4-Methyl-2-Pentanone
Concen: 1.201 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

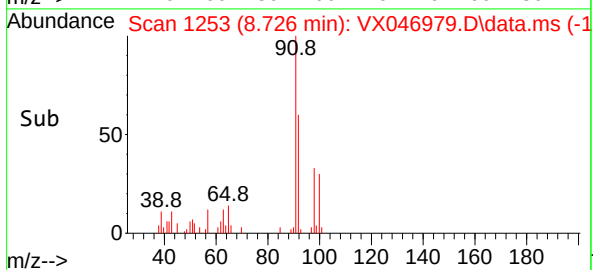
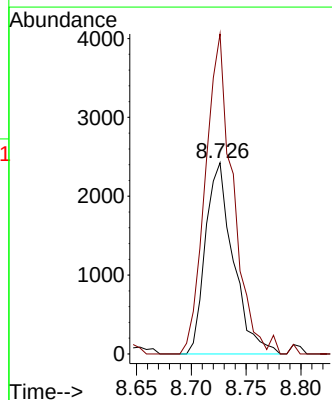
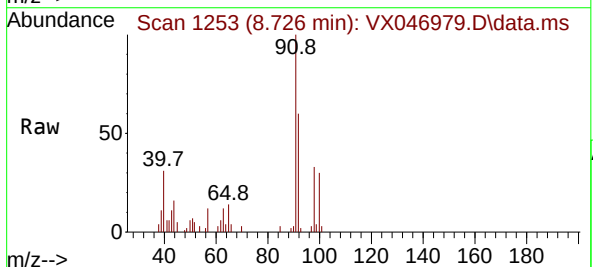
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

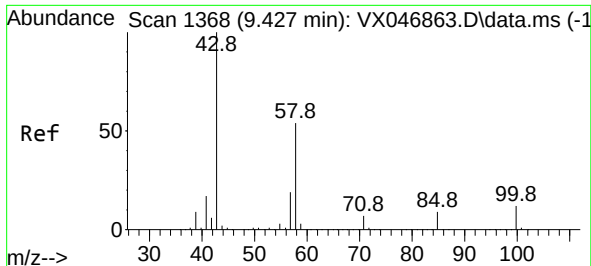
Tgt Ion: 43 Resp: 4843
Ion Ratio Lower Upper
43 100
58 42.2 30.4 45.6



#52
Toluene
Concen: 0.435 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion: 92 Resp: 4268
Ion Ratio Lower Upper
92 100
91 166.7 137.9 206.9





#59

2-Hexanone

Concen: 0.464 ug/l

RT: 9.470 min Scan# 11

Delta R.T. 0.043 min

Lab File: VX046979.D

Acq: 14 Jul 2025 17:10

Instrument :

MSVOA_X

ClientSampleId :

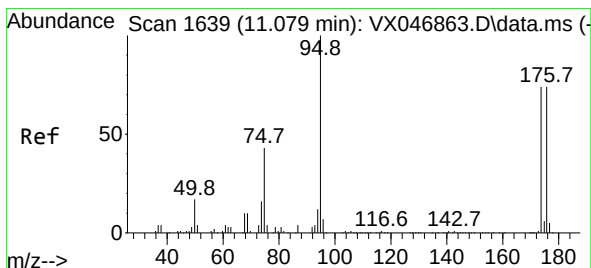
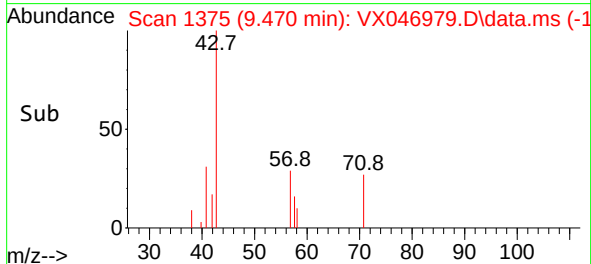
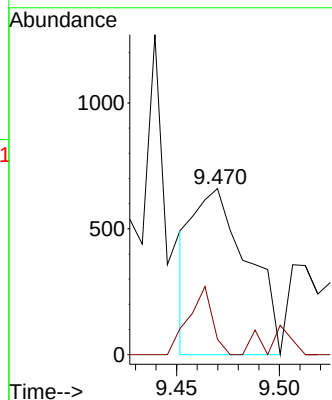
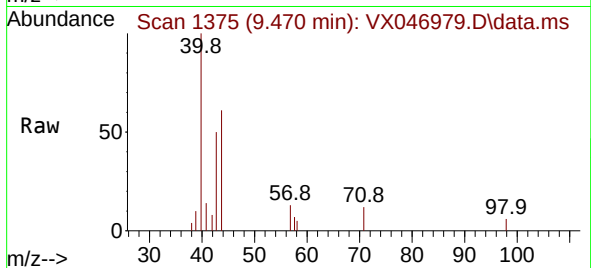
WC-A2-11-G

Tgt Ion: 43 Resp: 1240

Ion Ratio Lower Upper

43 100

58 17.7 27.1 81.3#



#62

4-Bromofluorobenzene

Concen: 52.043 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046979.D

Acq: 14 Jul 2025 17:10

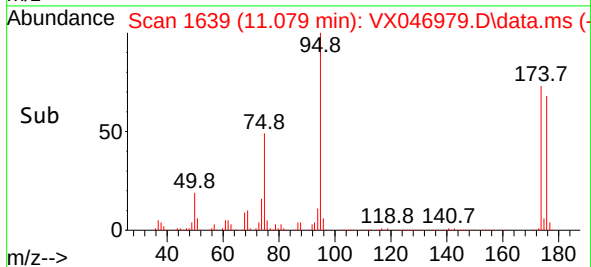
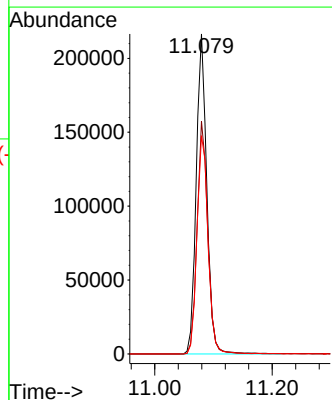
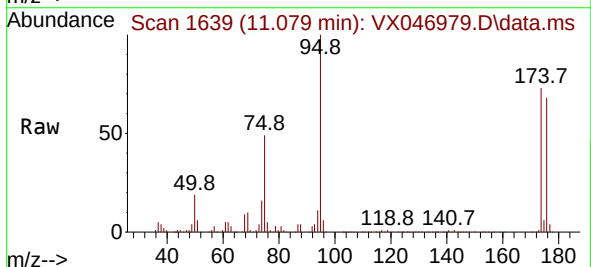
Tgt Ion: 95 Resp: 270900

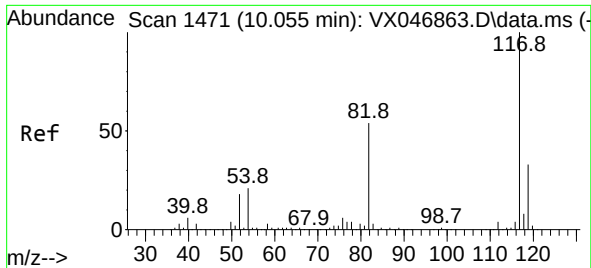
Ion Ratio Lower Upper

95 100

174 73.2 0.0 152.0

176 71.3 0.0 145.2

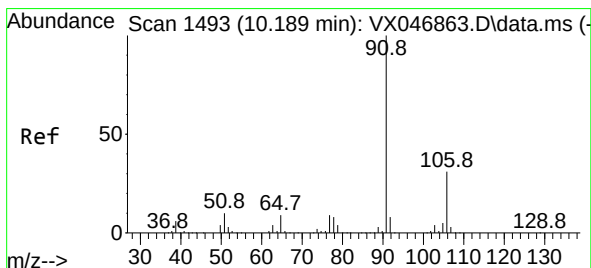
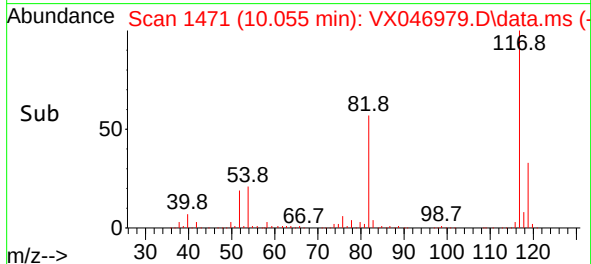
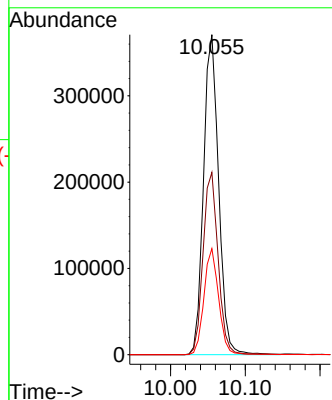
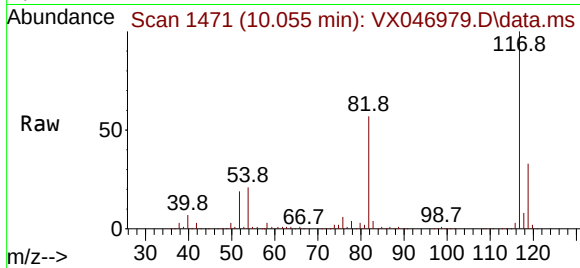




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

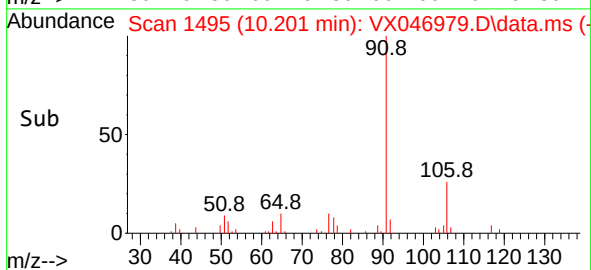
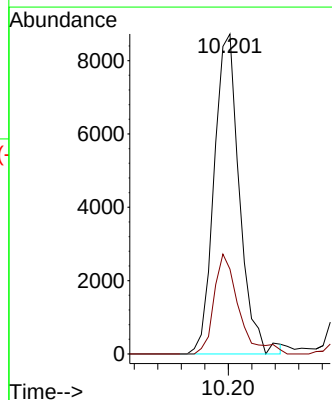
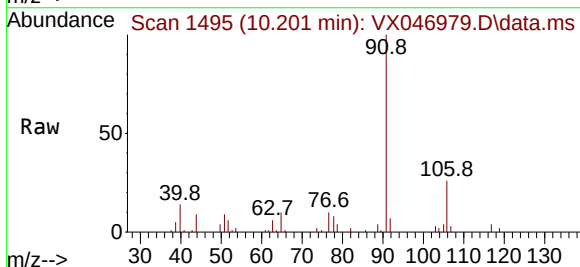
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

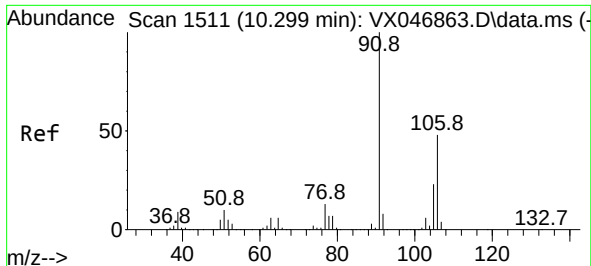
Tgt Ion:117 Resp: 520250
Ion Ratio Lower Upper
117 100
82 56.9 43.3 64.9
119 33.1 26.4 39.6



#67
Ethyl Benzene
Concen: 0.680 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.012 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion: 91 Resp: 13090
Ion Ratio Lower Upper
91 100
106 26.5 24.4 36.6

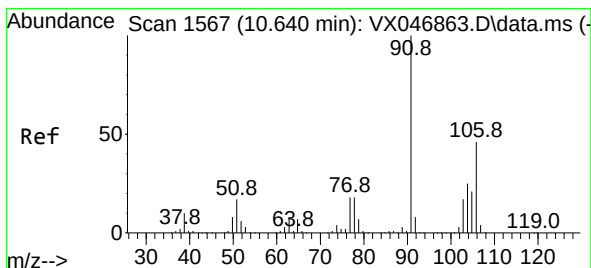
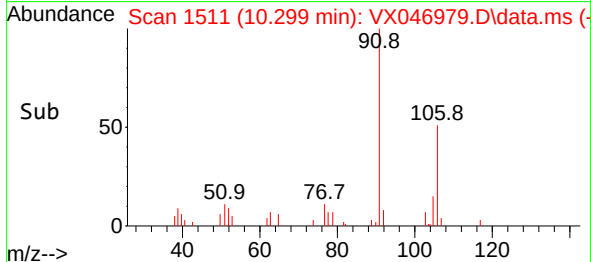
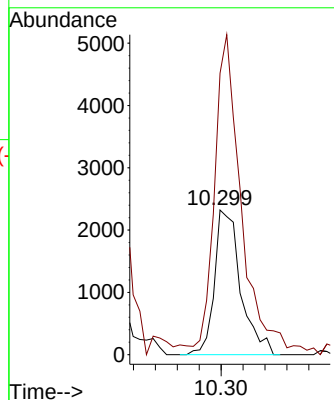
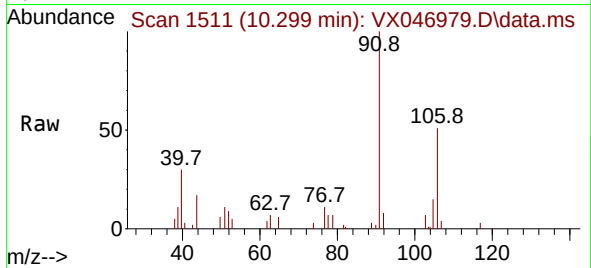




#68
m/p-Xylenes
Concen: 0.530 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

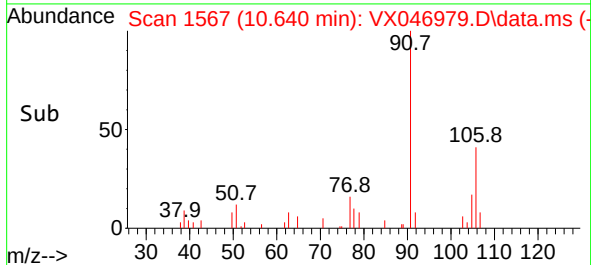
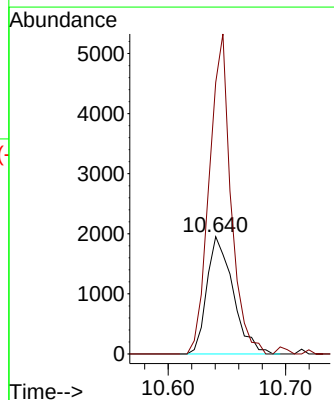
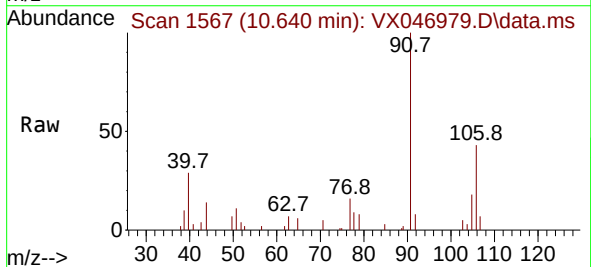
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

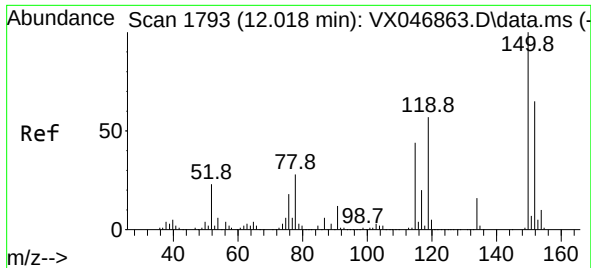
Tgt Ion:106 Resp: 3849
Ion Ratio Lower Upper
106 100
91 228.5 164.6 246.8



#69
o-Xylene
Concen: 0.430 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion:106 Resp: 3014
Ion Ratio Lower Upper
106 100
91 226.3 109.5 328.5

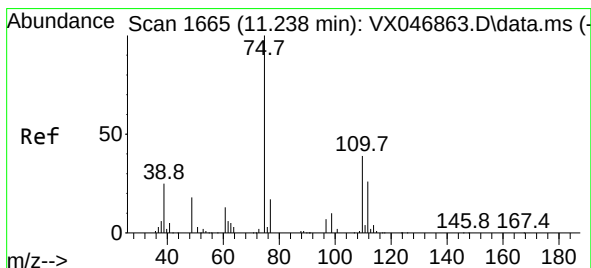
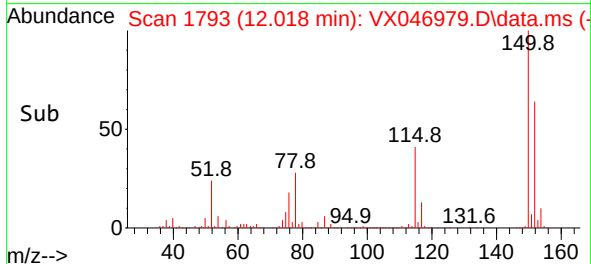
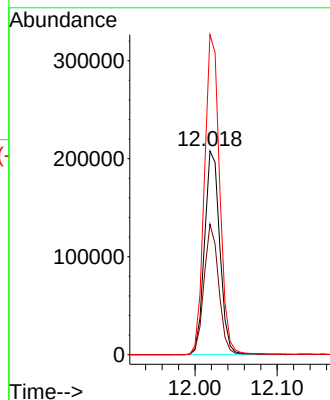
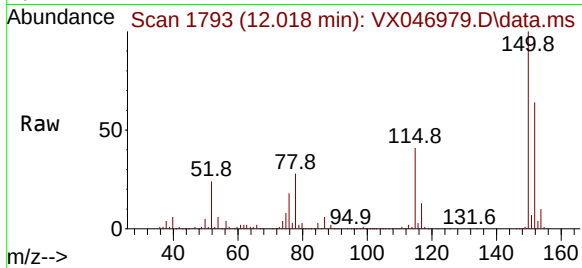




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX046979.D
 Acq: 14 Jul 2025 17:10

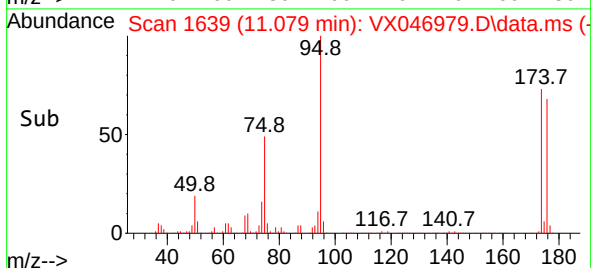
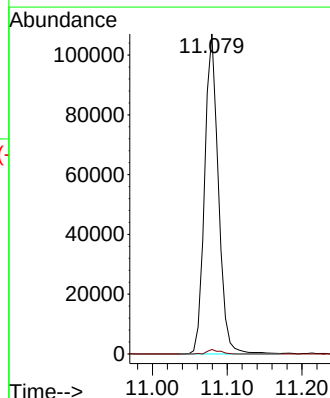
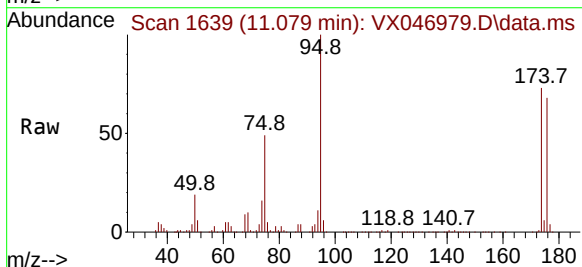
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-11-G

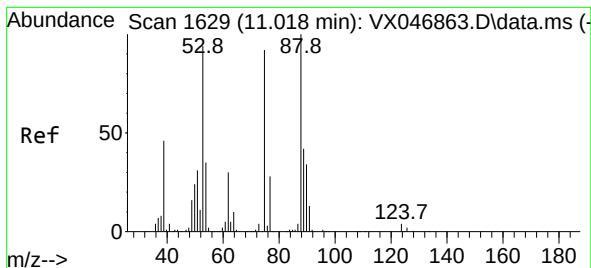
Tgt Ion:152 Resp: 268456
 Ion Ratio Lower Upper
 152 100
 115 62.0 42.4 127.1
 150 157.0 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 33.021 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX046979.D
 Acq: 14 Jul 2025 17:10

Tgt Ion: 75 Resp: 136970
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.6 61.8#

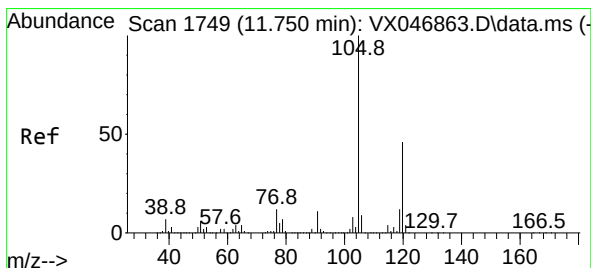
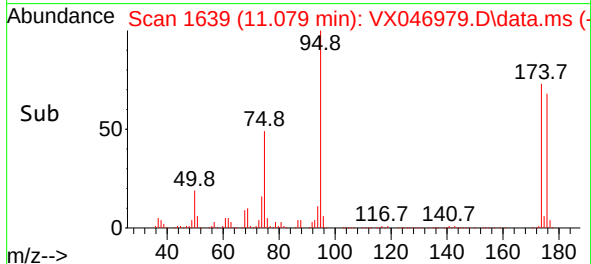
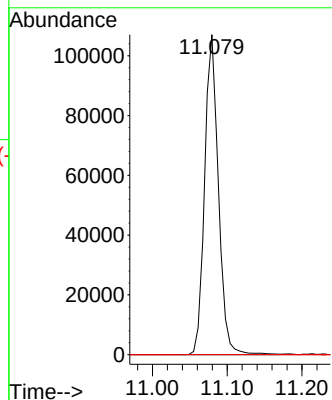
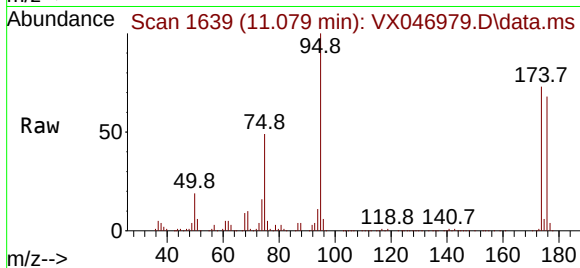




#81
trans-1,4-Dichloro-2-butene
Concen: 88.611 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

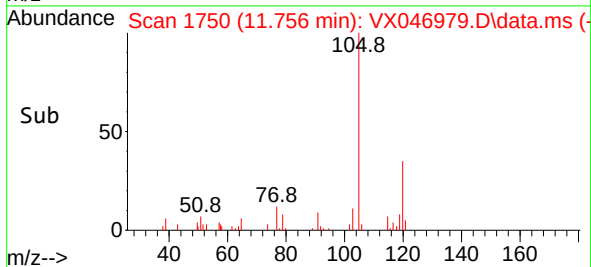
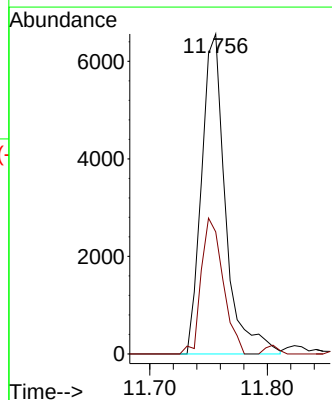
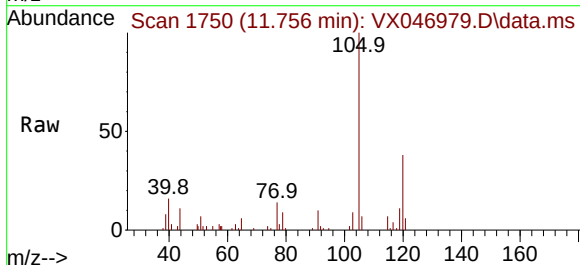
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

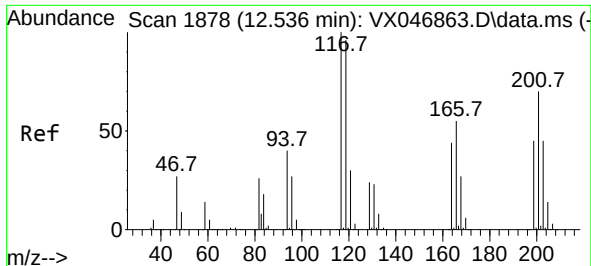
Tgt Ion: 75 Resp: 136970
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.597 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion:105 Resp: 9254
Ion Ratio Lower Upper
105 100
120 38.8 23.3 69.8

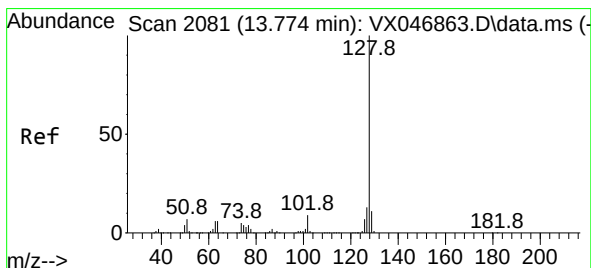
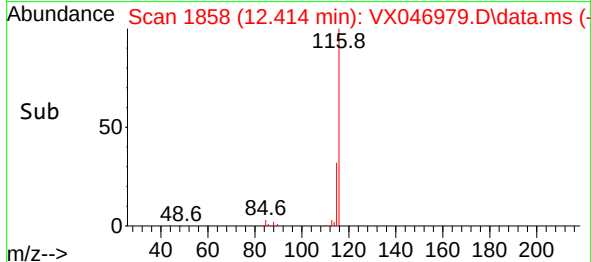
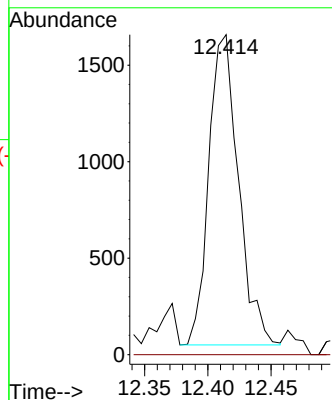
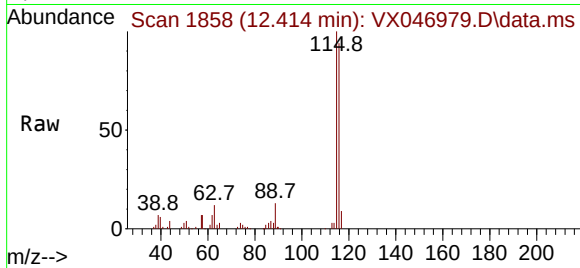




#90
Hexachloroethane
Concen: 0.885 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-11-G

Tgt Ion:117 Resp: 2623
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#



#95
Naphthalene
Concen: 117.074 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX046979.D
Acq: 14 Jul 2025 17:10

Tgt Ion:128 Resp: 1785469
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.4
129 11.1 8.6 13.0

