

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
 Data File : VX046982.D
 Acq On : 14 Jul 2025 18:14
 Operator : JC/MD
 Sample : Q2579-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-14-G

Quant Time: Jul 15 01:25:42 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)

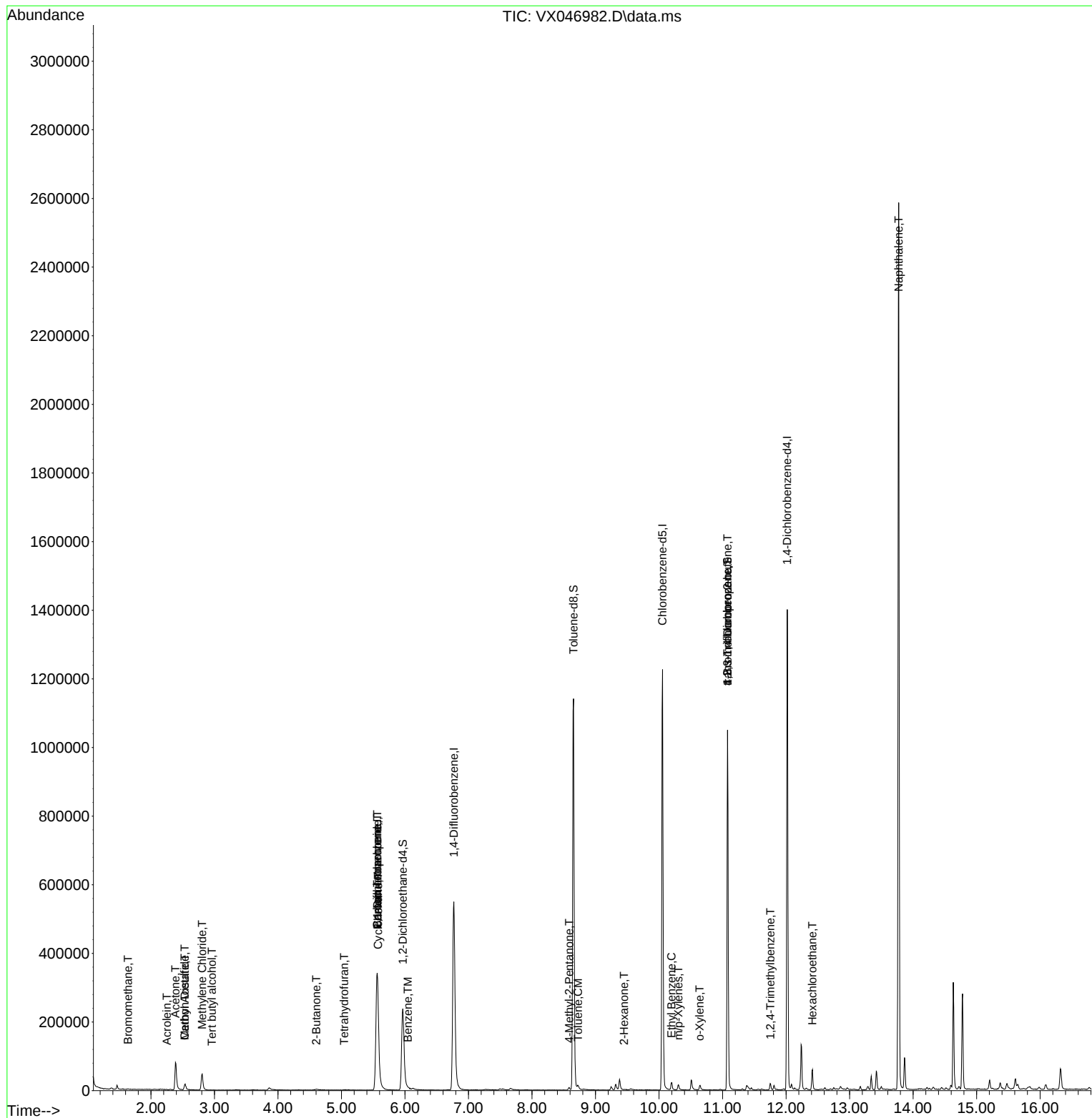
Internal Standards						
1) Pentafluorobenzene	5.562	168	353132	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	601642	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	548369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	283025	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	247347	53.019	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	106.040%
35) Dibromofluoromethane	5.580	113	587	0.144	ug/l	0.18
Spiked Amount	50.000	Range	75 - 124	Recovery	=	0.280%#
50) Toluene-d8	8.653	98	698421	48.471	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.940%
62) 4-Bromofluorobenzene	11.079	95	283567	51.781	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.560%
Target Compounds						
						Qvalue
5) Bromomethane	1.636	94	928	0.359	ug/l #	65
11) Tert butyl alcohol	2.959	59	151	0.494	ug/l #	72
13) Acrolein	2.252	56	108	3.151	ug/l #	1
16) Acetone	2.386	43	100306	69.219	ug/l	95
17) Carbon Disulfide	2.532	76	3678	0.366	ug/l #	94
18) Methyl Acetate	2.532	43	4330	1.134	ug/l #	53
20) Methylene Chloride	2.806	84	23062	5.382	ug/l	95
25) 2-Butanone	4.605	43	4443	2.298	ug/l #	85
29) Tetrahydrofuran	5.044	42	549	0.445	ug/l #	48
31) Cyclohexane	5.574	56	7503	1.125	ug/l #	23
36) 1,1-Dichloropropene	5.562	75	28514	5.175	ug/l #	50
38) Carbon Tetrachloride	5.562	117	37217	6.389	ug/l #	17
40) Benzene	6.044	78	3862	0.232	ug/l #	87
51) 4-Methyl-2-Pentanone	8.586	43	4600	1.084	ug/l #	86
52) Toluene	8.726	92	4194	0.406	ug/l	84
59) 2-Hexanone	9.451	43	1153	0.410	ug/l #	24
67) Ethyl Benzene	10.195	91	14171	0.698	ug/l	98
68) m/p-Xylenes	10.305	106	3785	0.495	ug/l	85
69) o-Xylene	10.640	106	3057	0.414	ug/l	98
76) 1,2,3-Trichloropropane	11.079	75	142874	32.671	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	142874	87.672	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	8896	0.544	ug/l	99
90) Hexachloroethane	12.414	117	2560	0.819	ug/l #	14
95) Naphthalene	13.774	128	1539105	95.725	ug/l	100

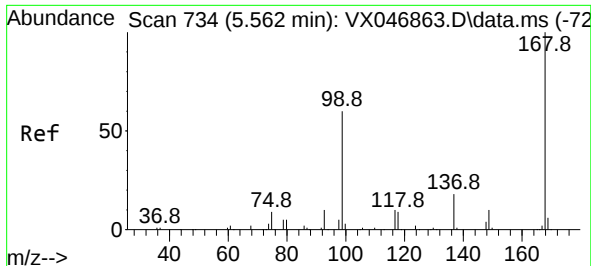
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071425\
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ClientSampleId :
WC-A2-14-G

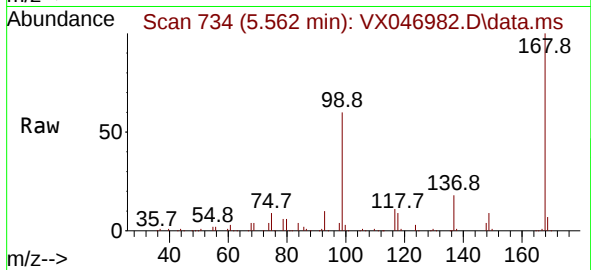
Quant Time: Jul 15 01:25:42 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
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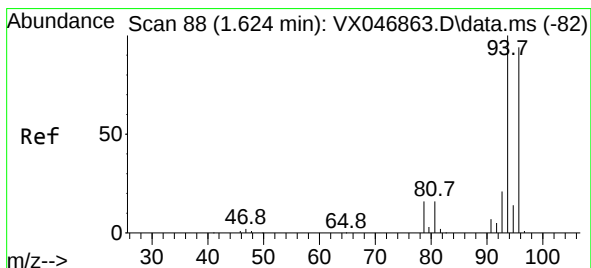
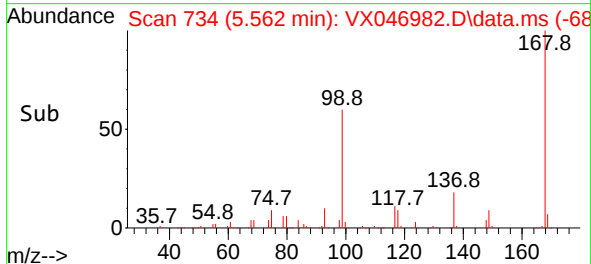
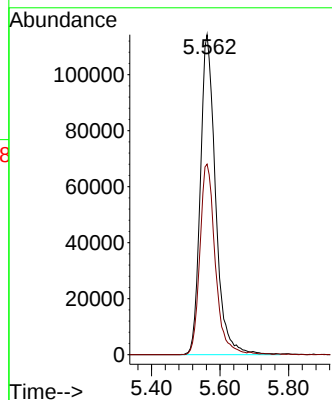


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-G

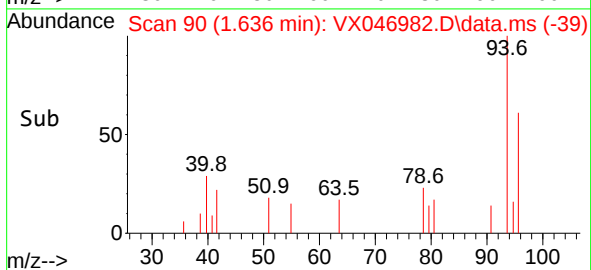
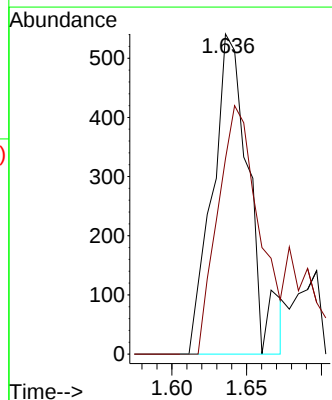
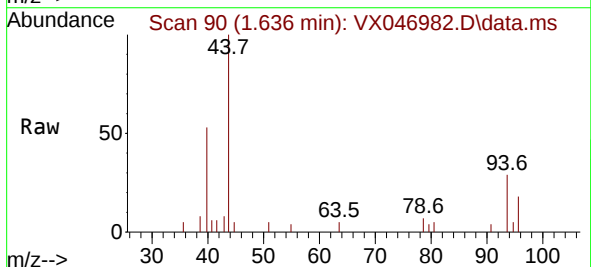


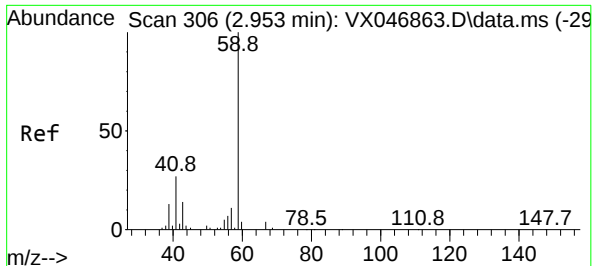
Tgt Ion:168 Resp: 353132
Ion Ratio Lower Upper
168 100
99 59.5 48.8 73.2



#5
Bromomethane
Concen: 0.359 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 94 Resp: 928
Ion Ratio Lower Upper
94 100
96 61.0 75.5 113.3#





#11

Tert butyl alcohol

Concen: 0.494 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX046982.D

Acq: 14 Jul 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

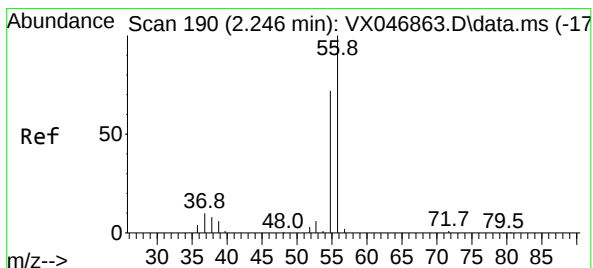
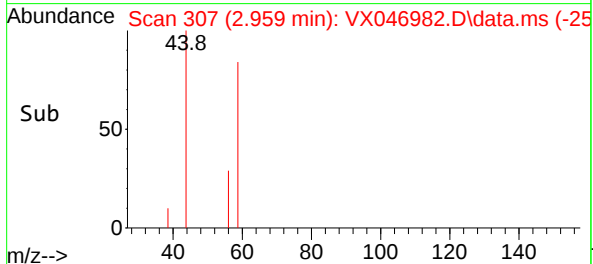
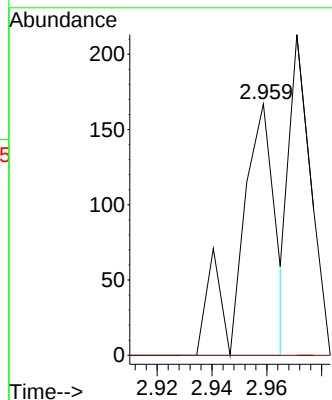
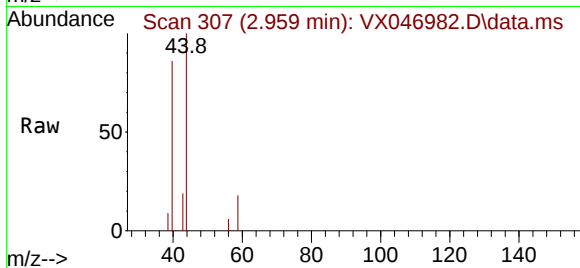
WC-A2-14-G

Tgt Ion: 59 Resp: 151

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 3.151 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.006 min

Lab File: VX046982.D

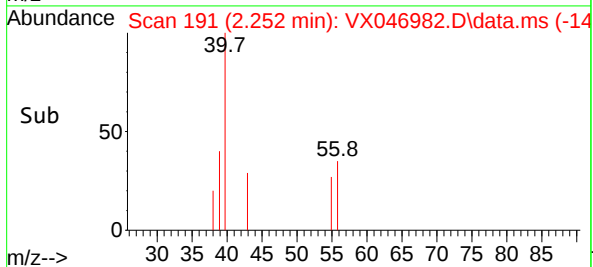
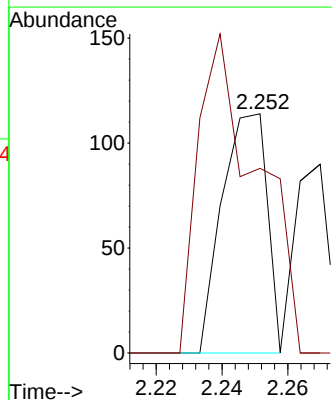
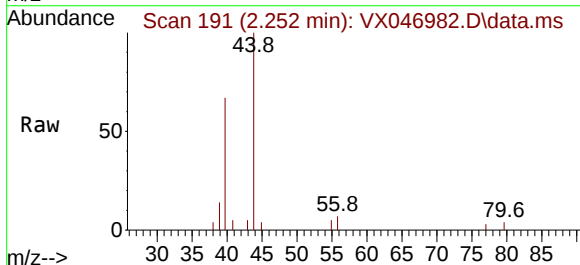
Acq: 14 Jul 2025 18:14

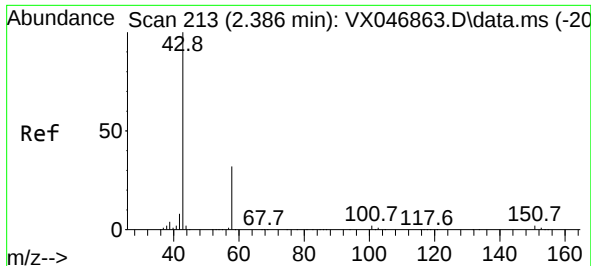
Tgt Ion: 56 Resp: 108

Ion Ratio Lower Upper

56 100

55 175.9 55.5 83.3#

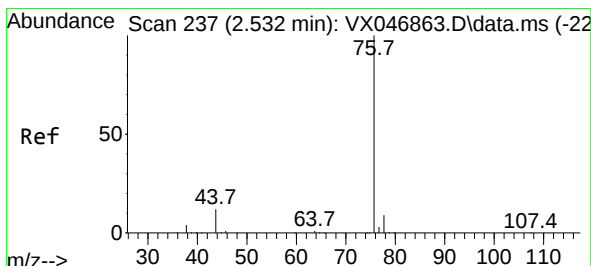
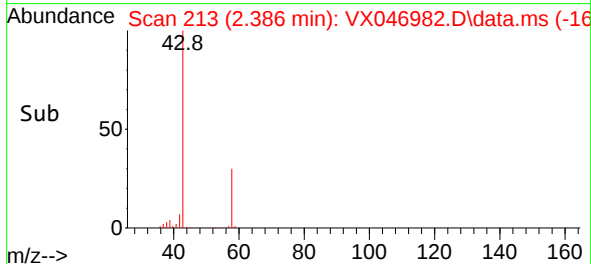
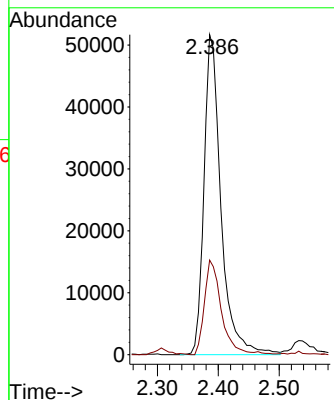
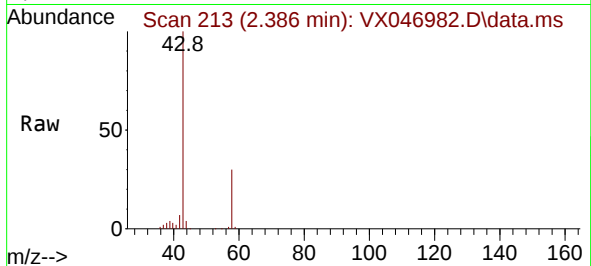




#16
Acetone
Concen: 69.219 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

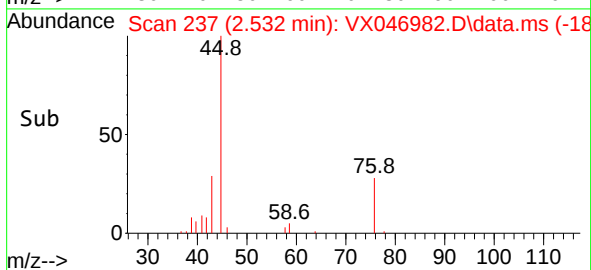
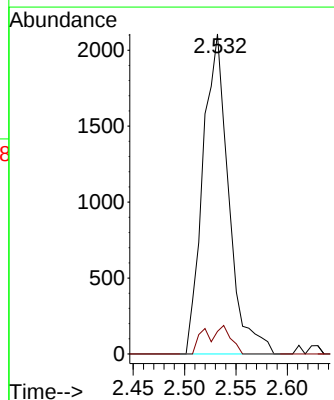
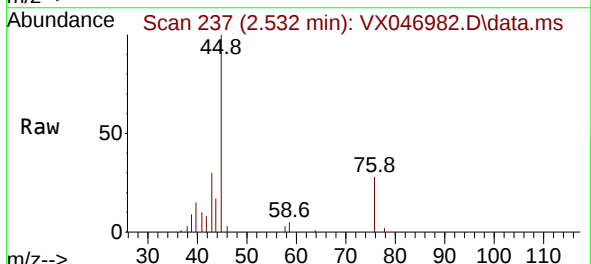
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-G

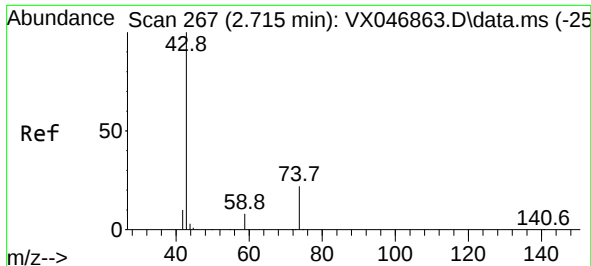
Tgt Ion: 43 Resp: 100306
Ion Ratio Lower Upper
43 100
58 29.3 25.8 38.6



#17
Carbon Disulfide
Concen: 0.366 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 76 Resp: 3678
Ion Ratio Lower Upper
76 100
78 7.1 7.4 11.2#

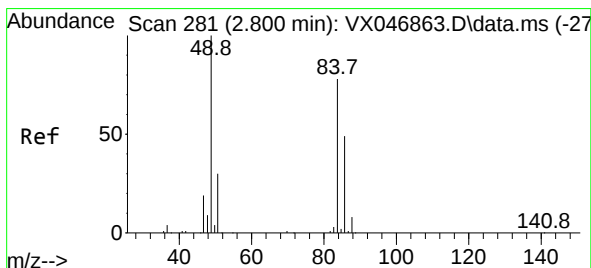
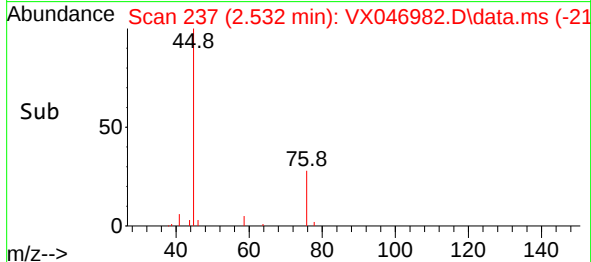
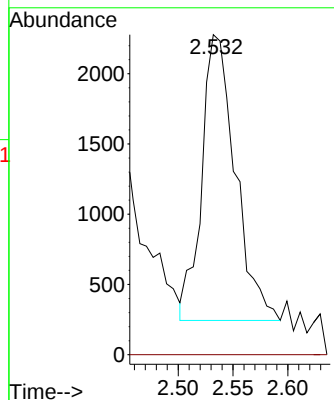
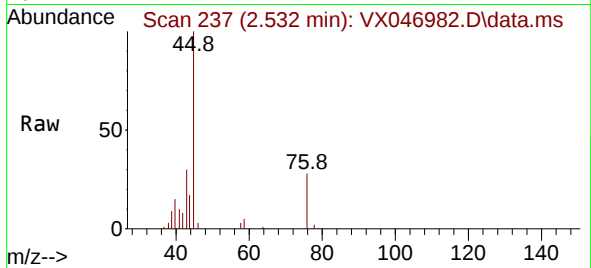




#18
Methyl Acetate
Concen: 1.134 ug/l
RT: 2.532 min Scan# 21
Delta R.T. -0.183 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

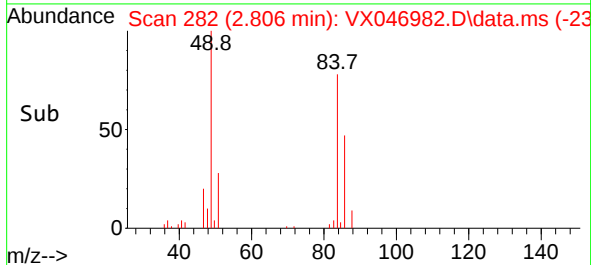
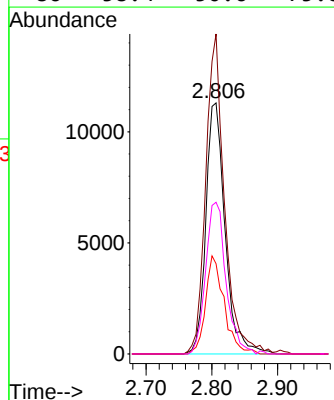
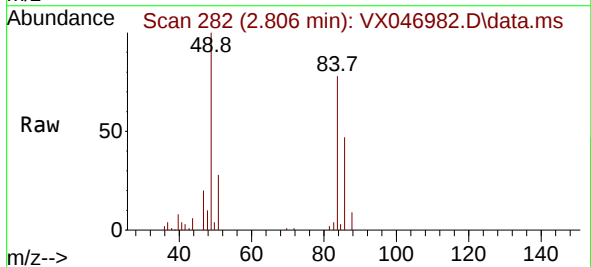
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-G

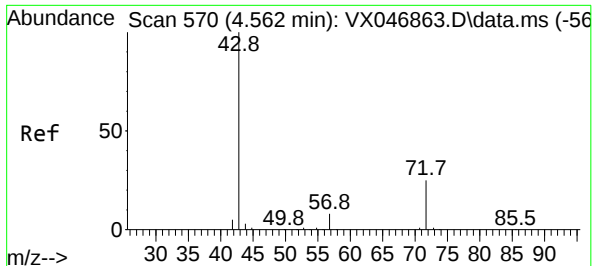
Tgt Ion: 43 Resp: 4330
Ion Ratio Lower Upper
43 100
74 0.0 18.3 27.5#



#20
Methylene Chloride
Concen: 5.382 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.006 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 84 Resp: 23062
Ion Ratio Lower Upper
84 100
49 123.1 102.8 154.2
51 34.7 31.1 46.7
86 58.4 50.6 75.8





#25

2-Butanone

Concen: 2.298 ug/l

RT: 4.605 min Scan# 51

Delta R.T. 0.043 min

Lab File: VX046982.D

Acq: 14 Jul 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

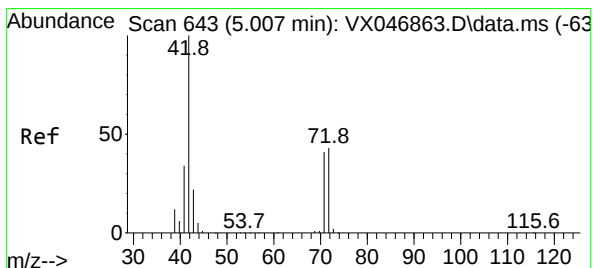
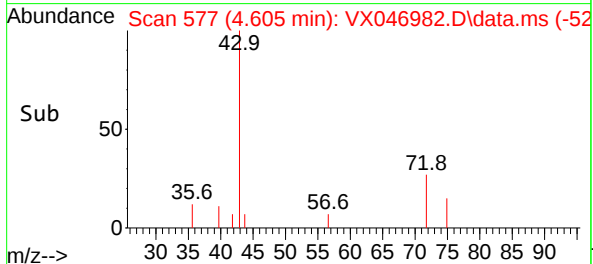
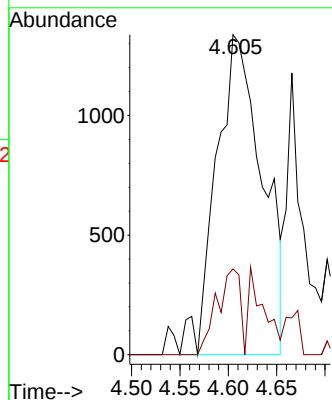
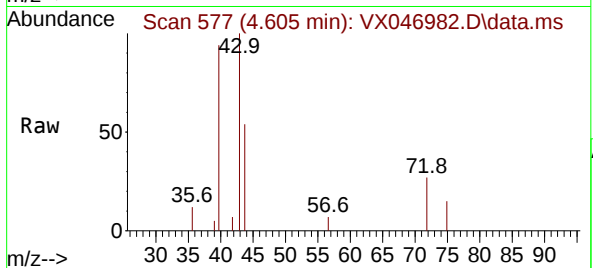
WC-A2-14-G

Tgt Ion: 43 Resp: 4443

Ion Ratio Lower Upper

43 100

72 17.4 20.0 30.0#



#29

Tetrahydrofuran

Concen: 0.445 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.037 min

Lab File: VX046982.D

Acq: 14 Jul 2025 18:14

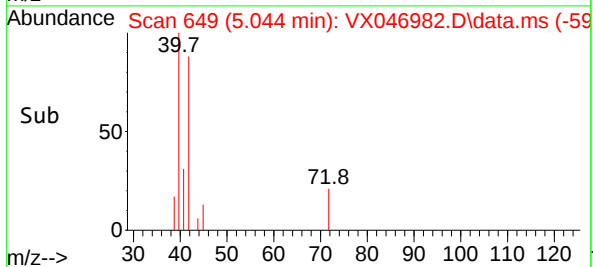
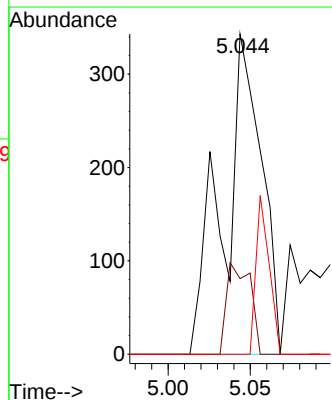
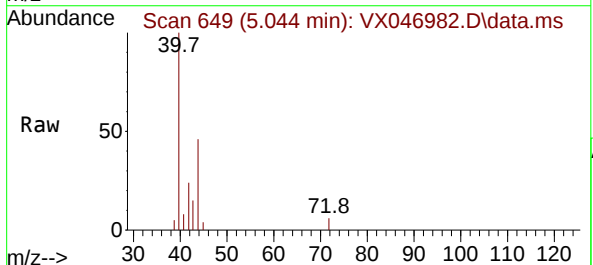
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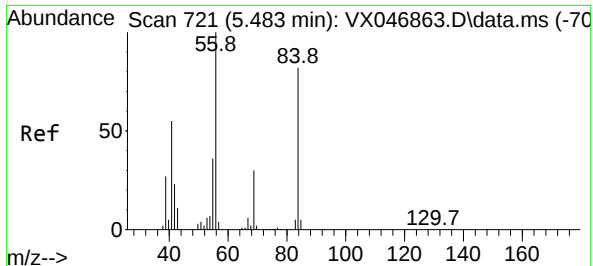
Ion Ratio Lower Upper

42 100

72 17.7 35.1 52.7#

71 0.0 31.9 47.9#

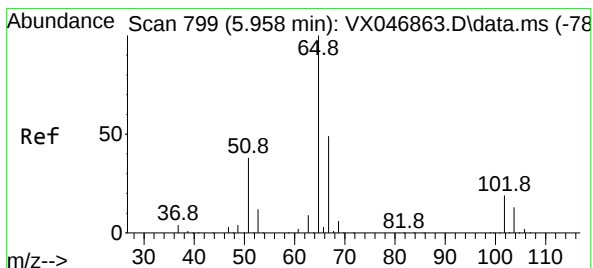
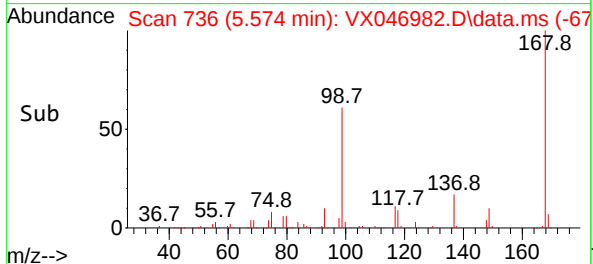
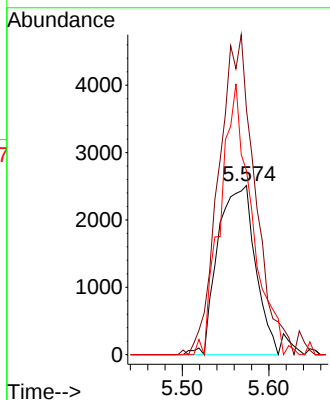
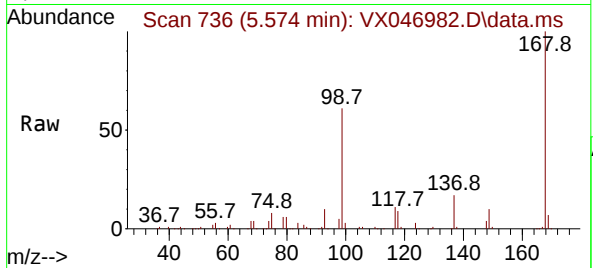




#31
Cyclohexane
Concen: 1.125 ug/l
RT: 5.574 min Scan# 71
Delta R.T. 0.091 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

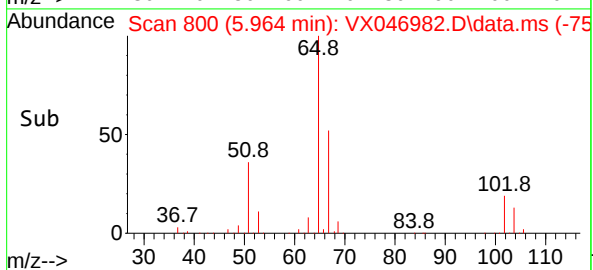
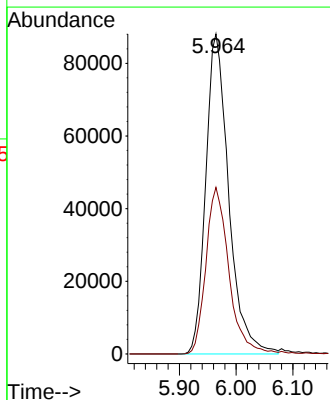
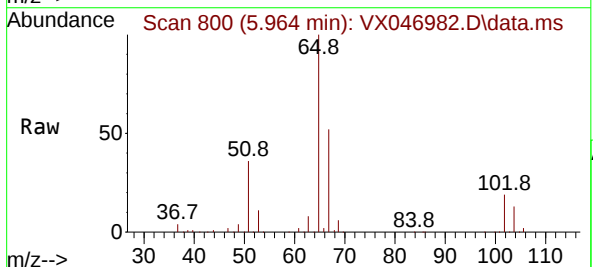
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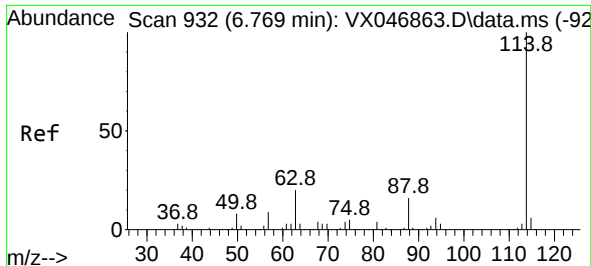
Tgt Ion: 56 Resp: 7503
Ion Ratio Lower Upper
56 100
69 144.5 24.0 36.0#
84 108.7 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 53.019 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 65 Resp: 247347
Ion Ratio Lower Upper
65 100
67 52.4 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX046982.D

Acq: 14 Jul 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-14-G

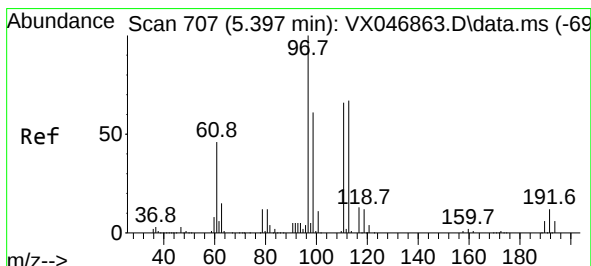
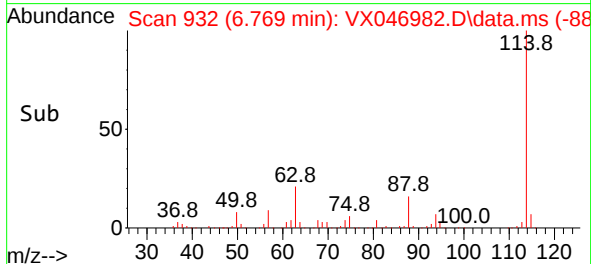
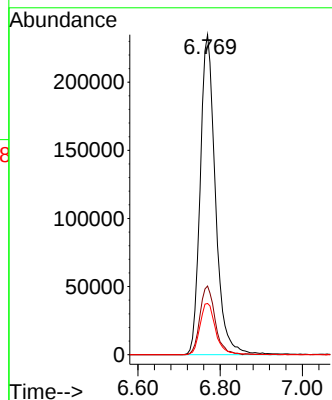
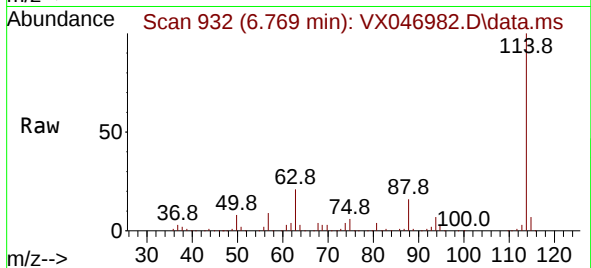
Tgt Ion:114 Resp: 601642

Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.4

88 16.0 0.0 31.0



#35

Dibromofluoromethane

Concen: 0.144 ug/l

RT: 5.580 min Scan# 737

Delta R.T. 0.183 min

Lab File: VX046982.D

Acq: 14 Jul 2025 18:14

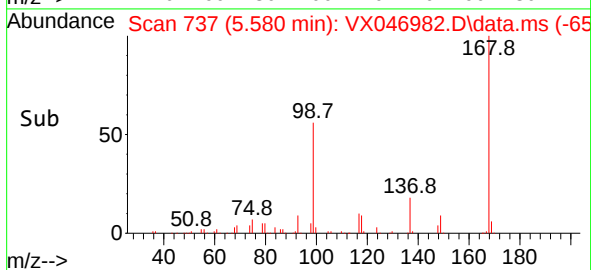
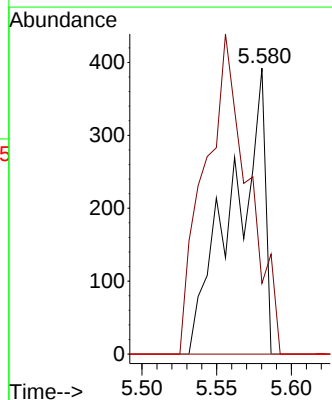
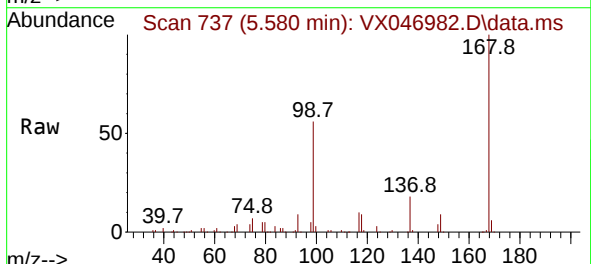
Tgt Ion:113 Resp: 587

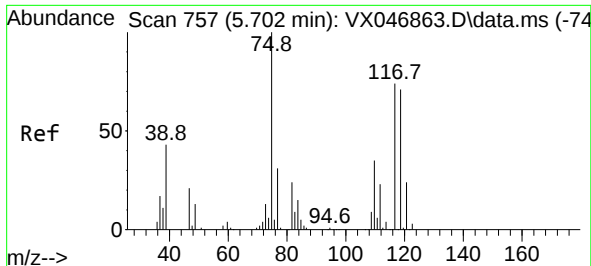
Ion Ratio Lower Upper

113 100

111 0.0 81.2 121.8#

192 0.0 15.3 22.9#

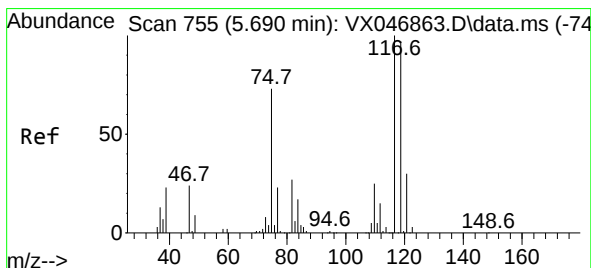
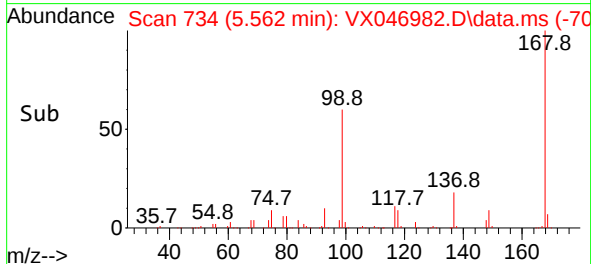
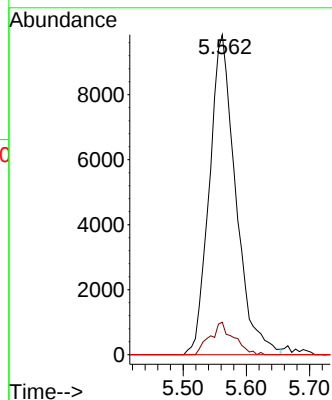
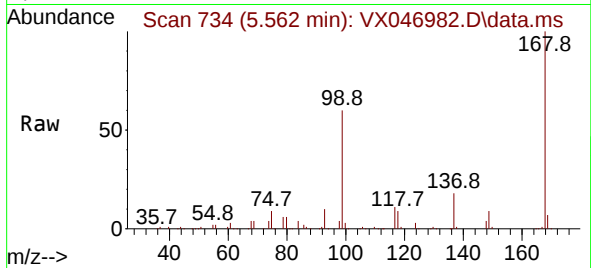




#36
1,1-Dichloropropene
Concen: 5.175 ug/l
RT: 5.562 min Scan# 714
Delta R.T. -0.140 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

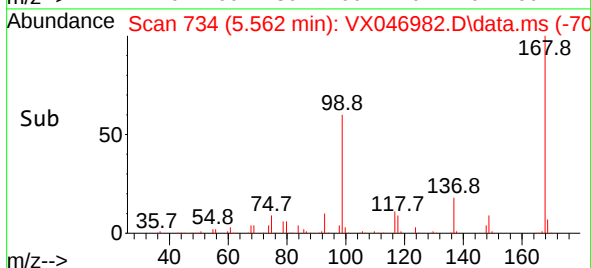
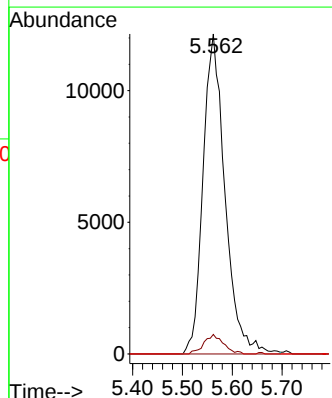
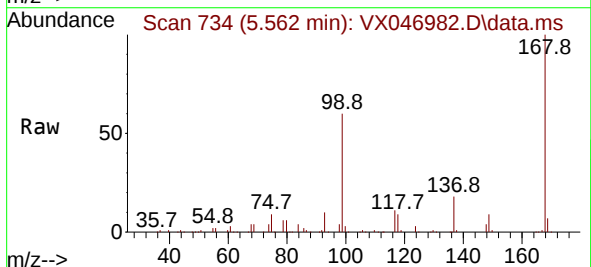
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-G

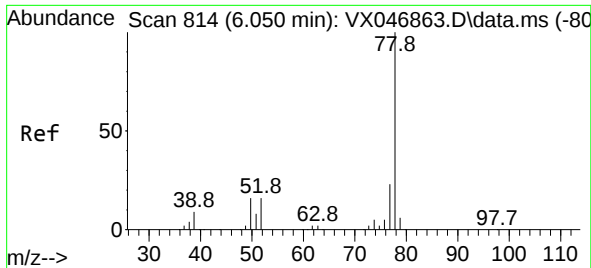
Tgt Ion: 75 Resp: 28514
Ion Ratio Lower Upper
75 100
110 9.1 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.389 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 117 Resp: 37217
Ion Ratio Lower Upper
117 100
119 6.1 76.6 114.8#
121 0.0 24.1 36.1#

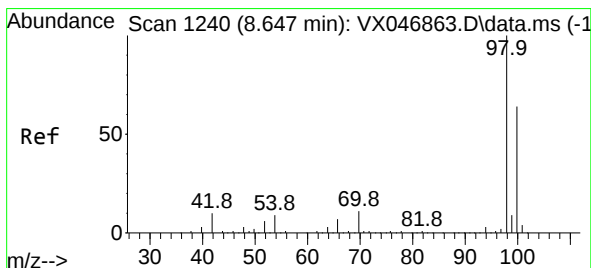
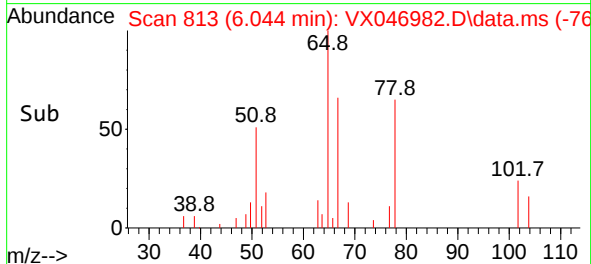
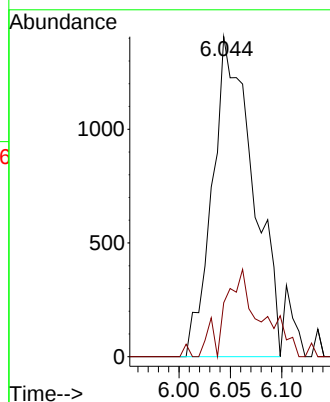
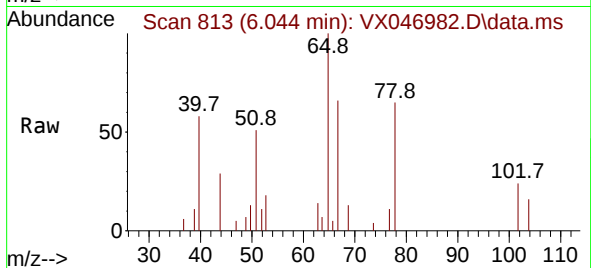




#40
Benzene
Concen: 0.232 ug/l
RT: 6.044 min Scan# 814
Delta R.T. -0.006 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

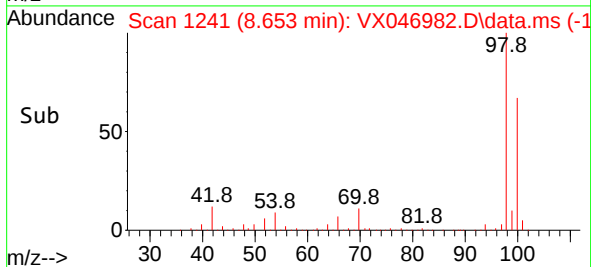
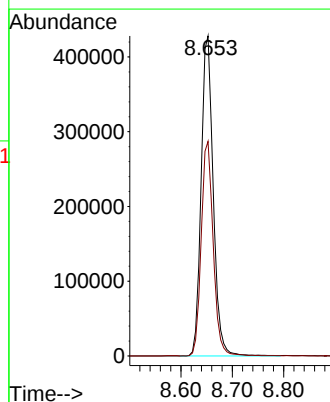
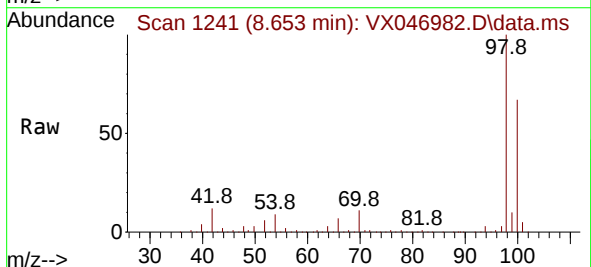
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-G

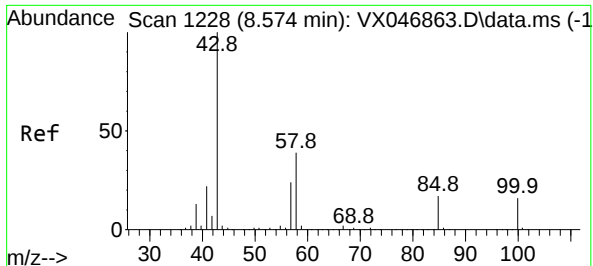
Tgt Ion: 78 Resp: 3862
Ion Ratio Lower Upper
78 100
77 16.8 18.7 28.1#



#50
Toluene-d8
Concen: 48.471 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 98 Resp: 698421
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 1.084 ug/l

RT: 8.586 min Scan# 11

Delta R.T. 0.012 min

Lab File: VX046982.D

Acq: 14 Jul 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

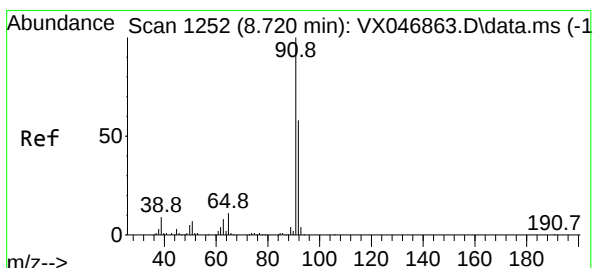
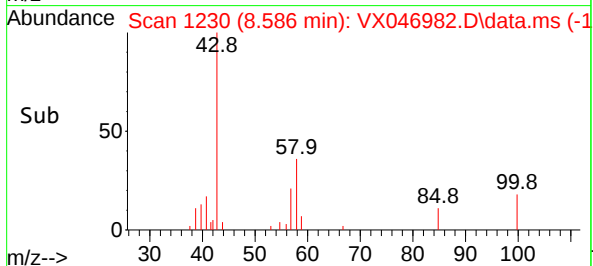
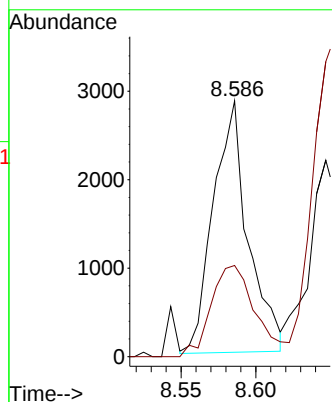
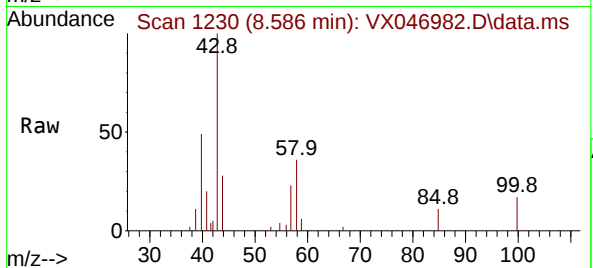
WC-A2-14-G

Tgt Ion: 43 Resp: 4600

Ion Ratio Lower Upper

43 100

58 46.4 30.4 45.6#



#52

Toluene

Concen: 0.406 ug/l

RT: 8.726 min Scan# 1253

Delta R.T. 0.006 min

Lab File: VX046982.D

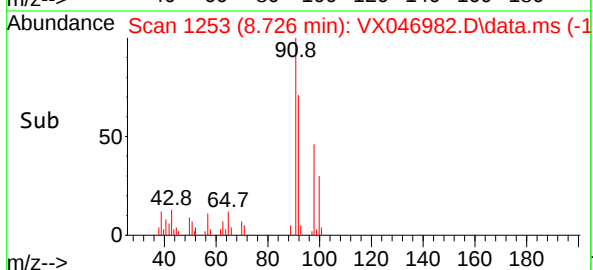
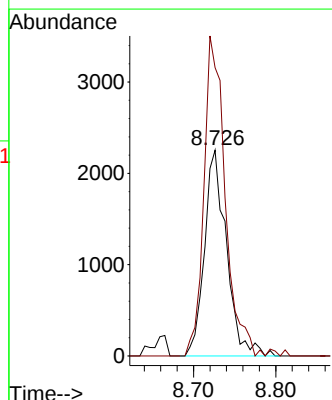
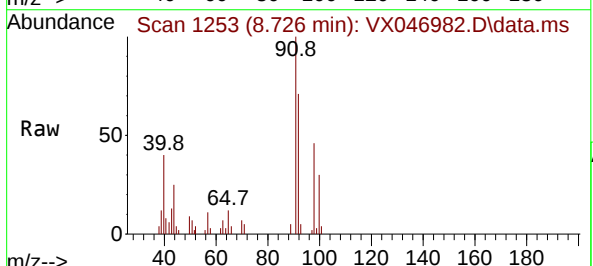
Acq: 14 Jul 2025 18:14

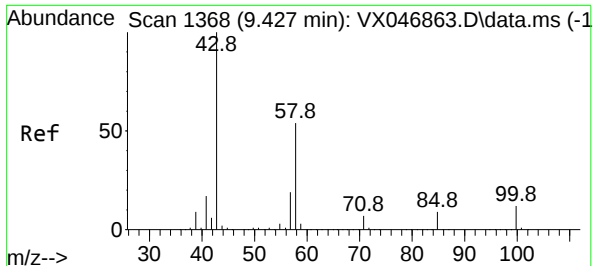
Tgt Ion: 92 Resp: 4194

Ion Ratio Lower Upper

92 100

91 150.2 137.9 206.9





#59

2-Hexanone

Concen: 0.410 ug/l

RT: 9.451 min Scan# 11

Delta R.T. 0.024 min

Lab File: VX046982.D

Acq: 14 Jul 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

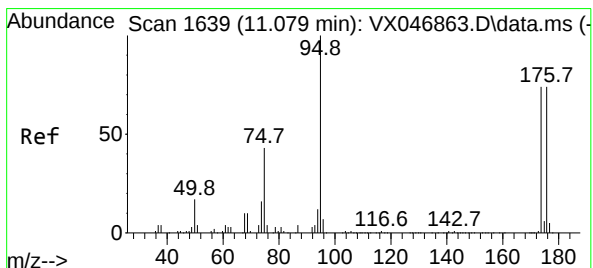
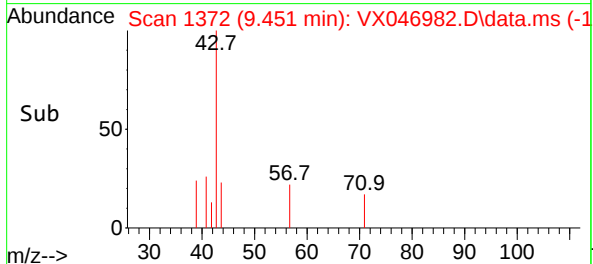
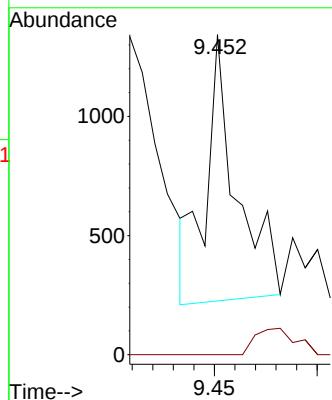
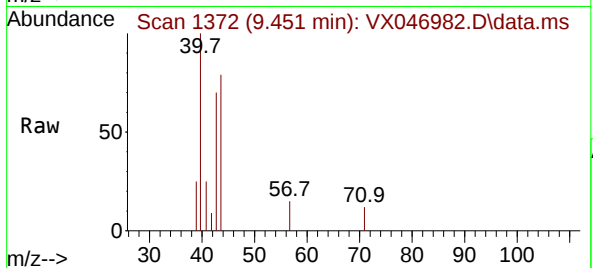
WC-A2-14-G

Tgt Ion: 43 Resp: 1153

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#



#62

4-Bromofluorobenzene

Concen: 51.781 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046982.D

Acq: 14 Jul 2025 18:14

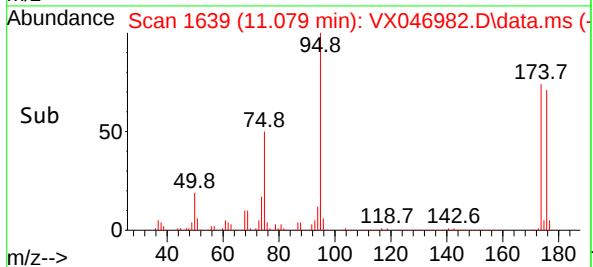
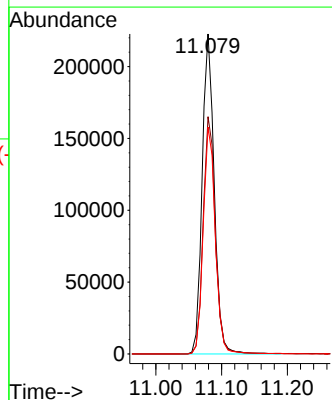
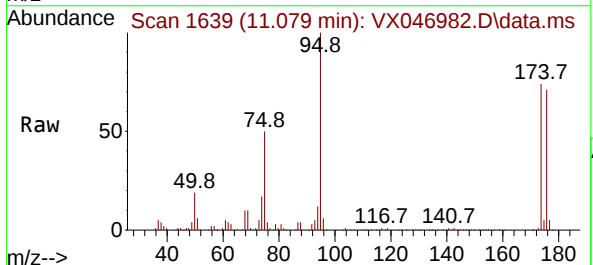
Tgt Ion: 95 Resp: 283567

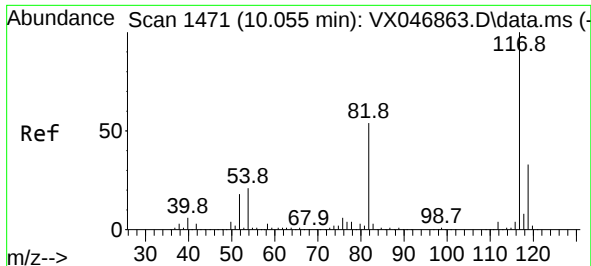
Ion Ratio Lower Upper

95 100

174 74.7 0.0 152.0

176 71.2 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: VX046982.D

Acq: 14 Jul 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-14-G

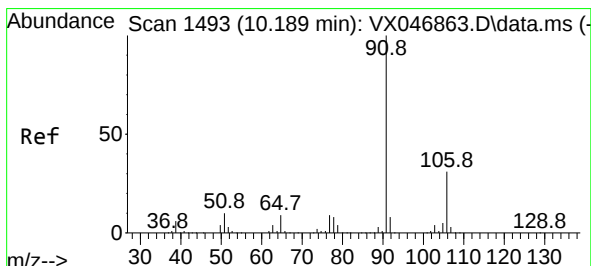
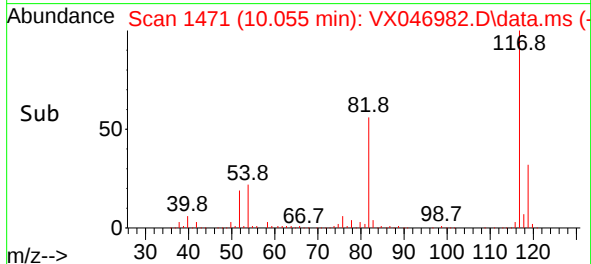
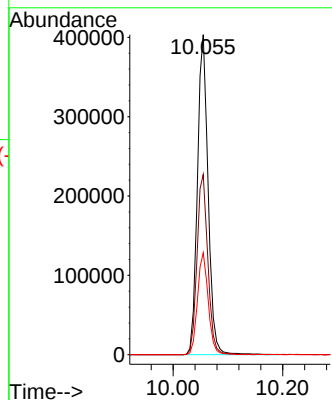
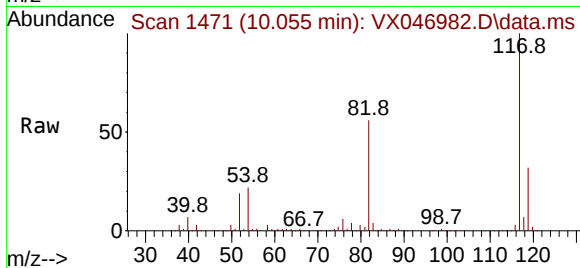
Tgt Ion:117 Resp: 548369

Ion Ratio Lower Upper

117 100

82 56.3 43.3 64.9

119 31.8 26.4 39.6



#67

Ethyl Benzene

Concen: 0.698 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX046982.D

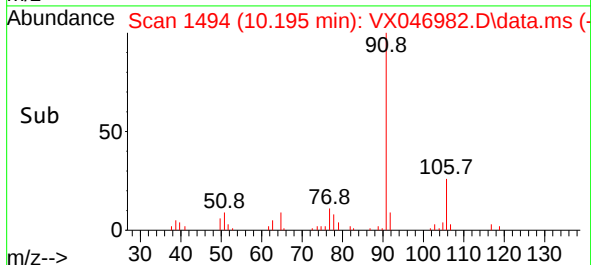
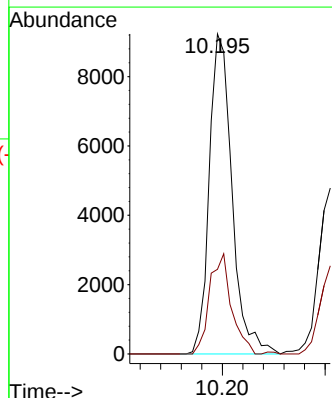
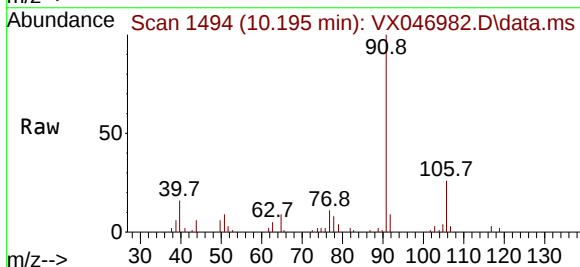
Acq: 14 Jul 2025 18:14

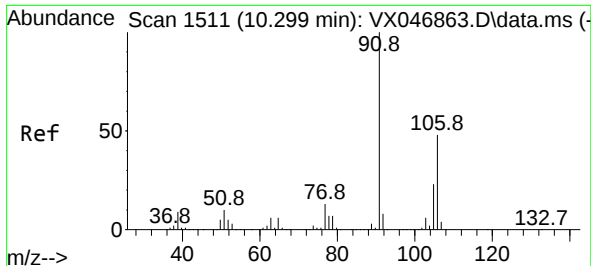
Tgt Ion: 91 Resp: 14171

Ion Ratio Lower Upper

91 100

106 29.4 24.4 36.6

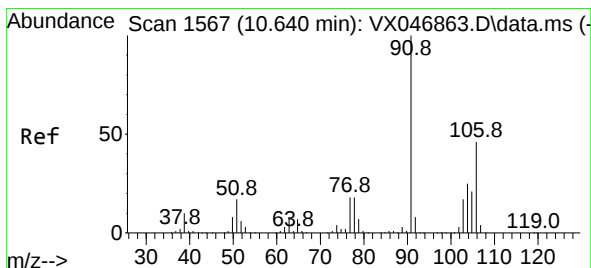
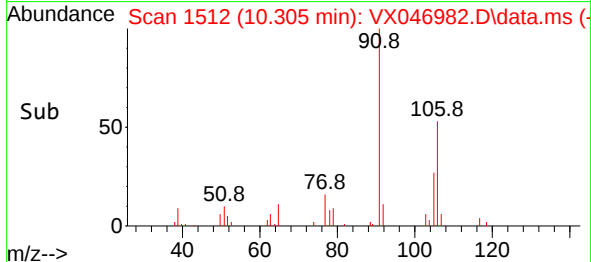
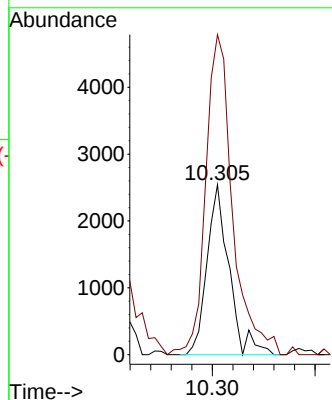
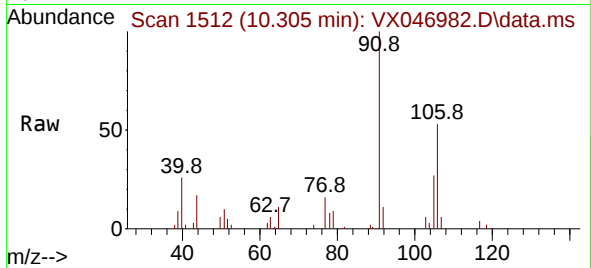




#68
m/p-Xylenes
Concen: 0.495 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

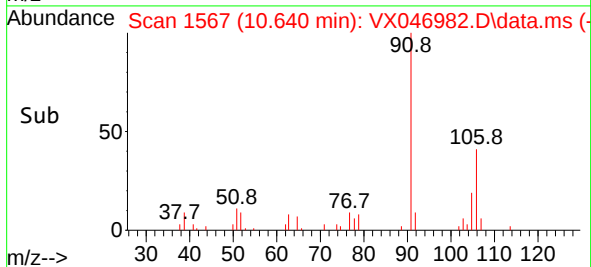
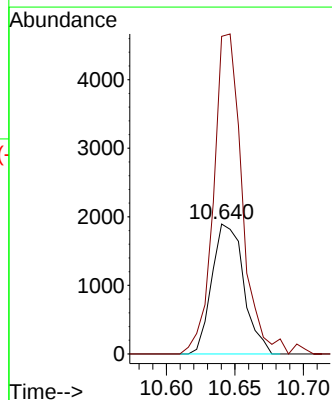
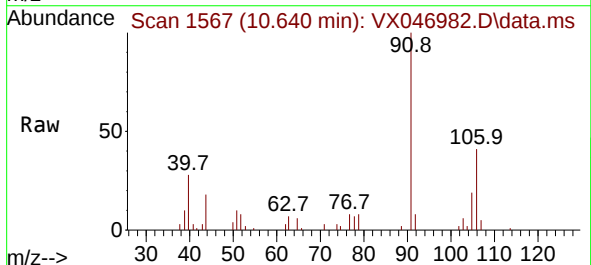
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-G

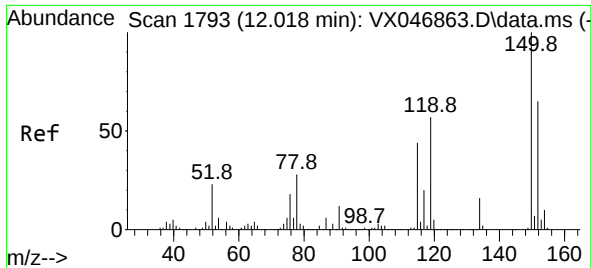
Tgt Ion:106 Resp: 3785
Ion Ratio Lower Upper
106 100
91 229.3 164.6 246.8



#69
o-Xylene
Concen: 0.414 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion:106 Resp: 3057
Ion Ratio Lower Upper
106 100
91 222.8 109.5 328.5

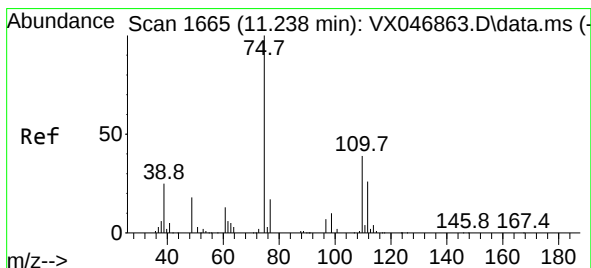
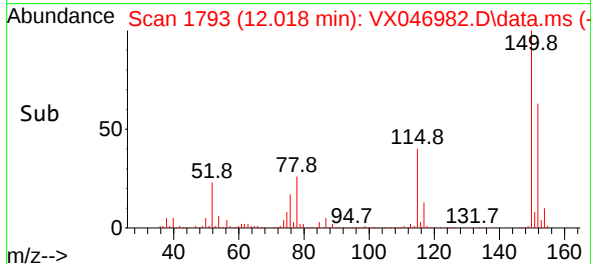
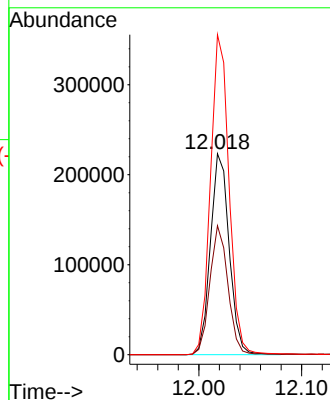
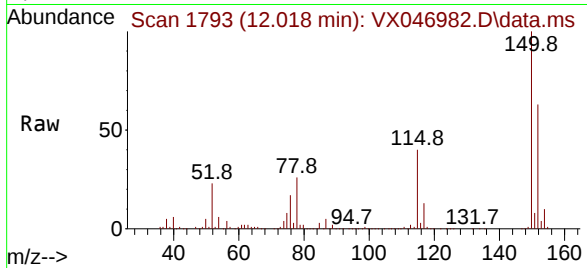




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX046982.D
 Acq: 14 Jul 2025 18:14

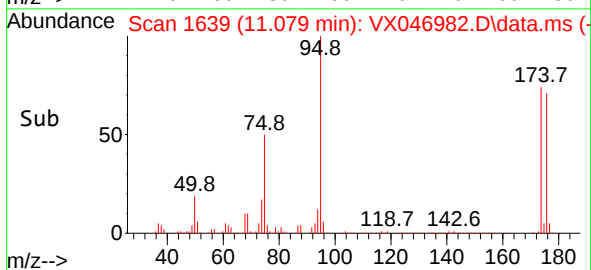
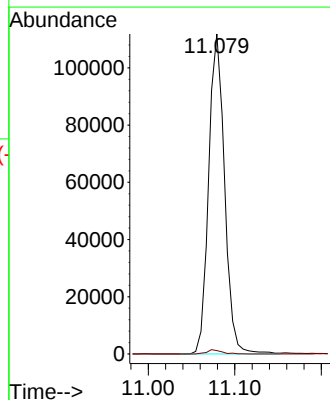
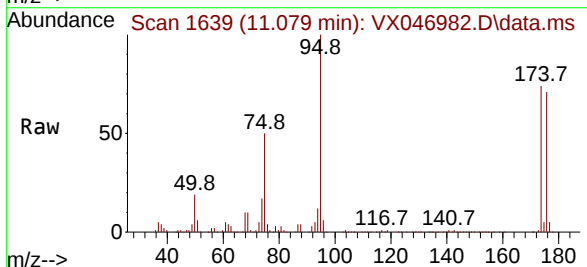
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-14-G

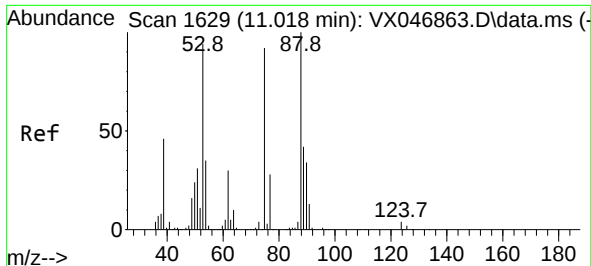
Tgt Ion:152 Resp: 283025
 Ion Ratio Lower Upper
 152 100
 115 62.0 42.4 127.1
 150 157.5 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 32.671 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046982.D
 Acq: 14 Jul 2025 18:14

Tgt Ion: 75 Resp: 142874
 Ion Ratio Lower Upper
 75 100
 77 1.2 20.6 61.8#

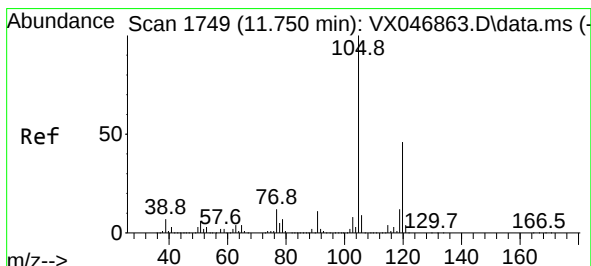
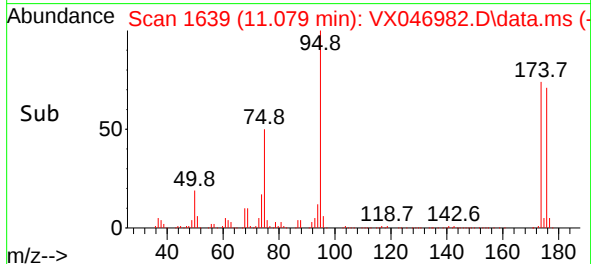
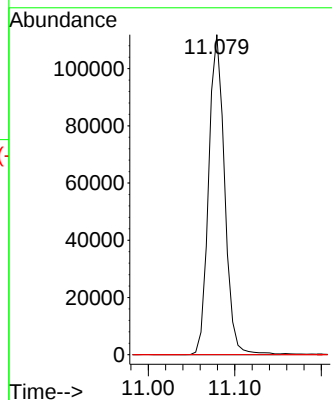
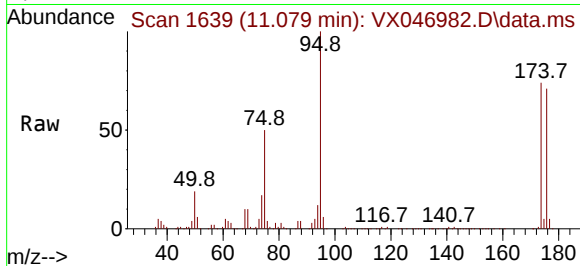




#81
trans-1,4-Dichloro-2-butene
Concen: 87.672 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

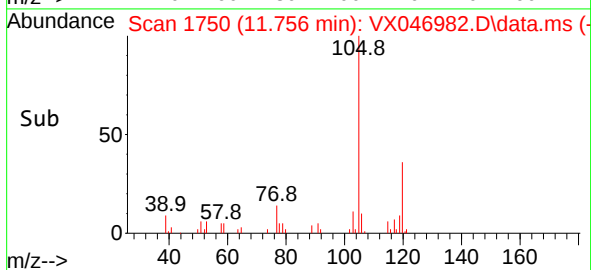
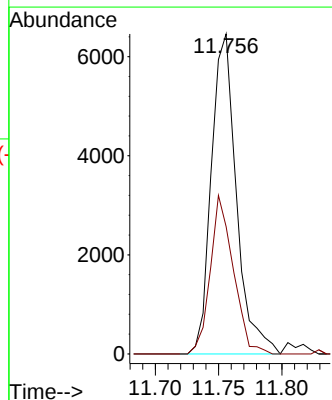
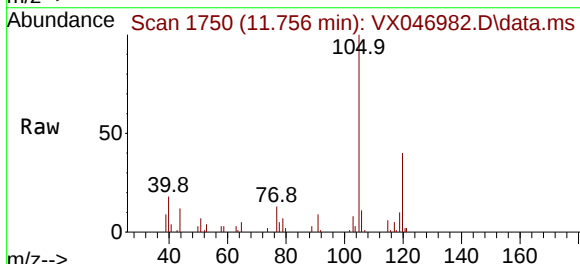
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-G

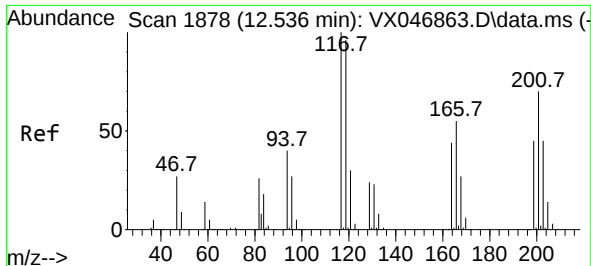
Tgt Ion: 75 Resp: 142874
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.544 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion: 105 Resp: 8896
Ion Ratio Lower Upper
105 100
120 45.5 23.3 69.8

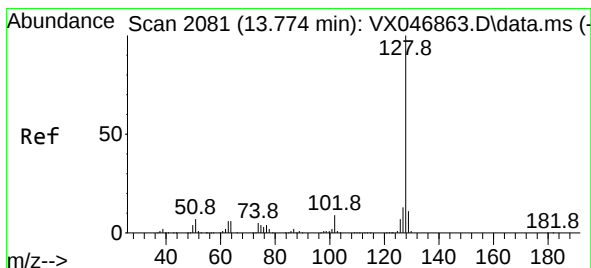
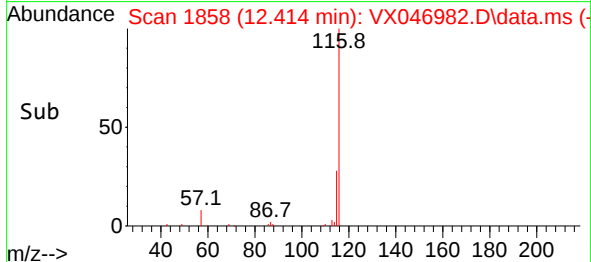
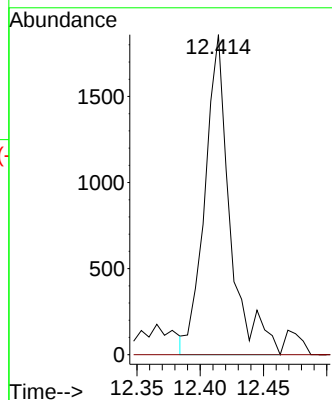
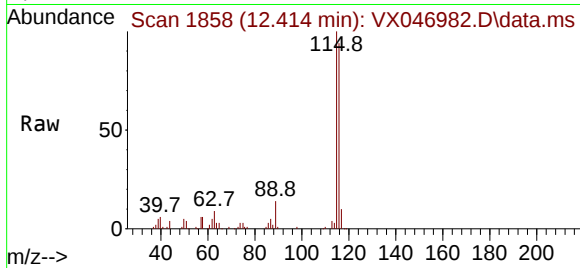




#90
Hexachloroethane
Concen: 0.819 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-G

Tgt Ion:117 Resp: 2560
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#



#95
Naphthalene
Concen: 95.725 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046982.D
Acq: 14 Jul 2025 18:14

Tgt Ion:128 Resp: 1539105
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.0 8.6 13.0

