

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046999.D
 Acq On : 15 Jul 2025 14:16
 Operator : JC/MD
 Sample : Q2579-05RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Jul 16 02:26:37 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)

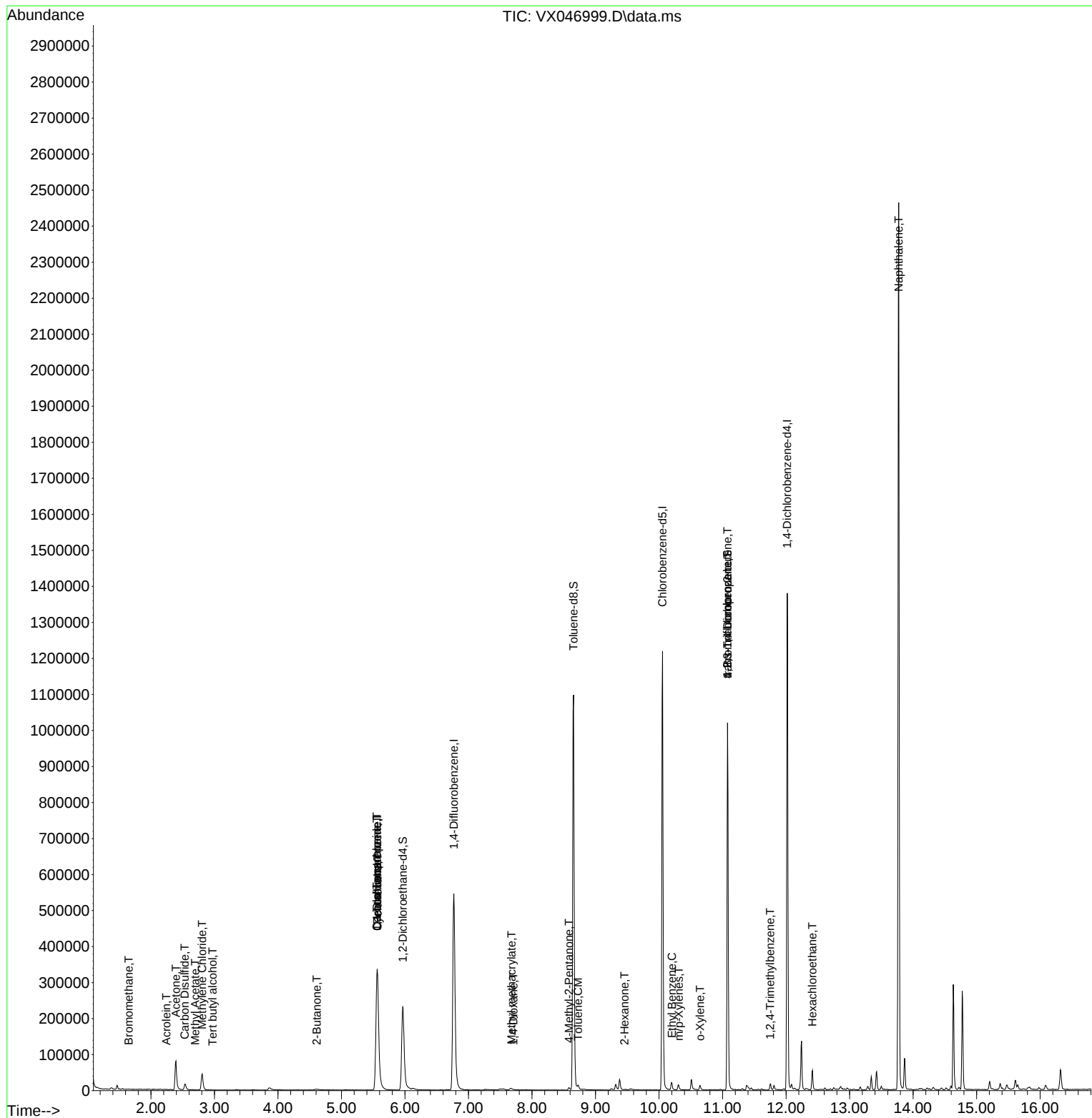
Internal Standards						
1) Pentafluorobenzene	5.562	168	339200	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	586472	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	536571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	277997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	241091	53.801	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.600%			
35) Dibromofluoromethane	5.403	113	392	0.098	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 0.200%#			
50) Toluene-d8	8.653	98	670944	47.768	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.540%			
62) 4-Bromofluorobenzene	11.079	95	279542	52.366	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.740%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.648	94	537	0.217	ug/l #	71
11) Tert butyl alcohol	2.971	59	187	0.636	ug/l #	72
13) Acrolein	2.239	56	30	2.926	ug/l #	1
16) Acetone	2.392	43	97705	70.193	ug/l	98
17) Carbon Disulfide	2.532	76	2893	0.300	ug/l	97
18) Methyl Acetate	2.696	43	773	0.211	ug/l #	53
20) Methylene Chloride	2.806	84	21645	5.259	ug/l	94
25) 2-Butanone	4.611	43	2649	1.426	ug/l #	50
31) Cyclohexane	5.568	56	7721	1.205	ug/l #	3
36) 1,1-Dichloropropene	5.556	75	26803	4.990	ug/l #	51
38) Carbon Tetrachloride	5.556	117	36492	6.426	ug/l #	15
48) Methyl methacrylate	7.677	41	898	0.248	ug/l #	15
49) 1,4-Dioxane	7.708	88	43	1.026	ug/l #	21
51) 4-Methyl-2-Pentanone	8.580	43	4703	1.137	ug/l	98
52) Toluene	8.726	92	3644	0.362	ug/l	98
59) 2-Hexanone	9.457	43	886	0.323	ug/l #	45
67) Ethyl Benzene	10.201	91	13494	0.679	ug/l	98
68) m/p-Xylenes	10.311	106	4170	0.557	ug/l	98
69) o-Xylene	10.646	106	3059	0.423	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	143085	33.311	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	143085	89.390	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	8755	0.545	ug/l	92
90) Hexachloroethane	12.414	117	2657	0.866	ug/l #	14
95) Naphthalene	13.774	128	1485714	94.075	ug/l	100

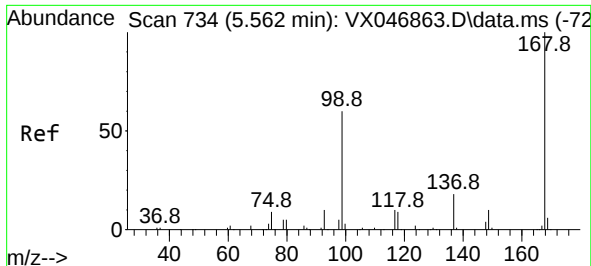
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

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

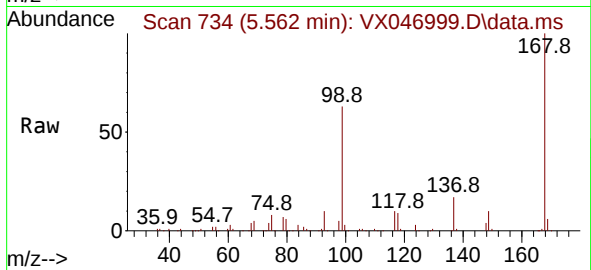
Quant Time: Jul 16 02:26:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
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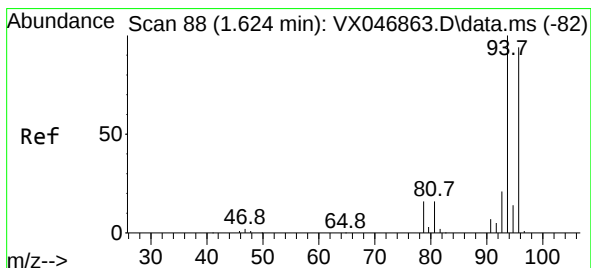
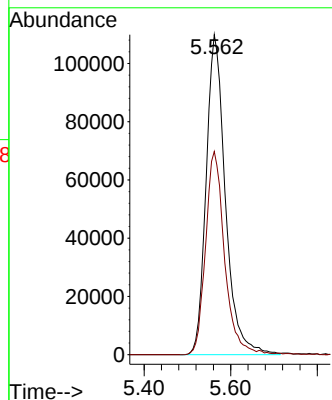
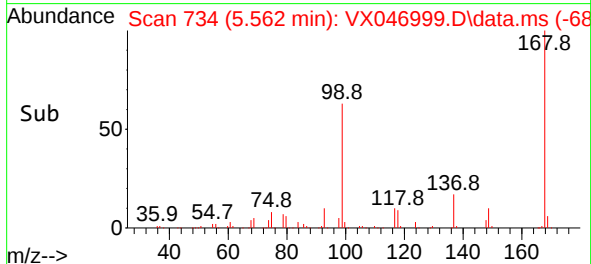


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

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

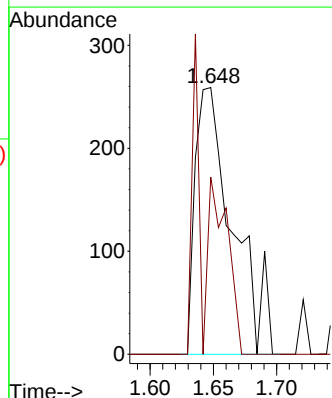
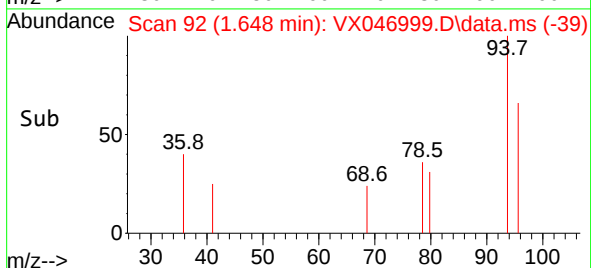
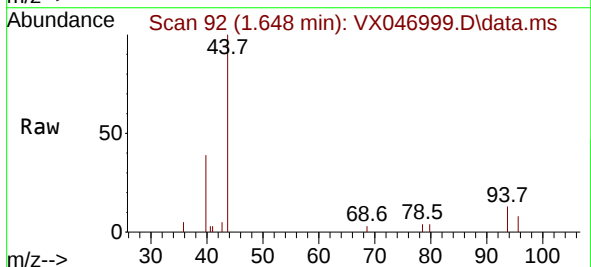


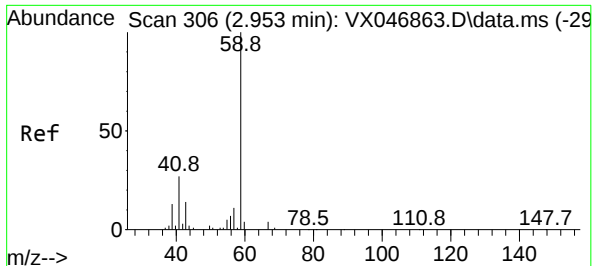
Tgt Ion:168 Resp: 339200
Ion Ratio Lower Upper
168 100
99 63.5 48.8 73.2



#5
Bromomethane
Concen: 0.217 ug/l
RT: 1.648 min Scan# 92
Delta R.T. 0.024 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion: 94 Resp: 537
Ion Ratio Lower Upper
94 100
96 66.4 75.5 113.3#

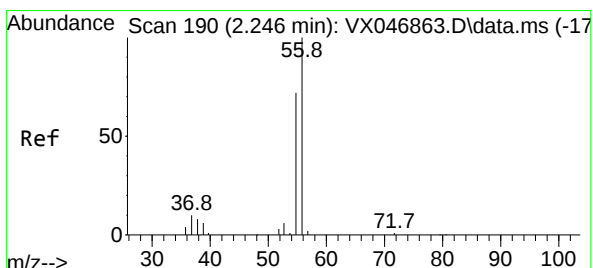
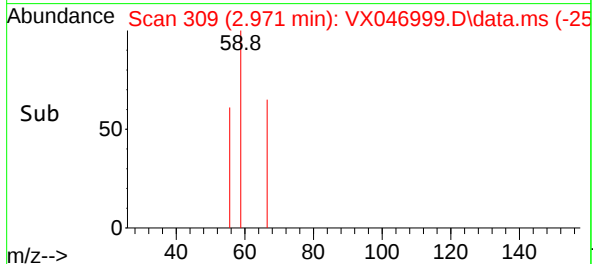
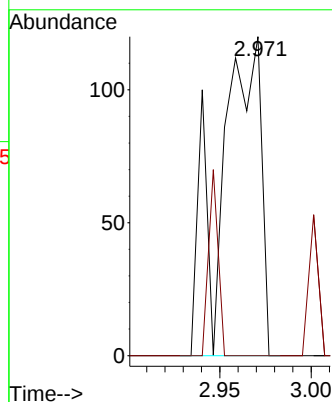
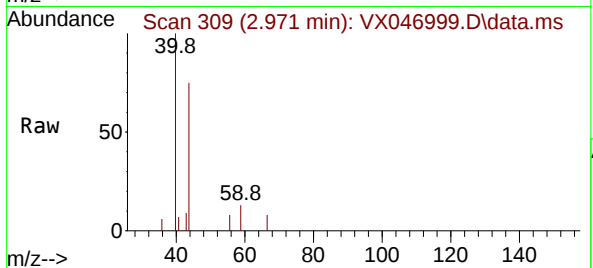




#11
Tert butyl alcohol
Concen: 0.636 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.018 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

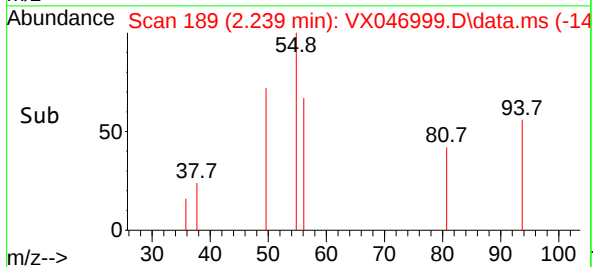
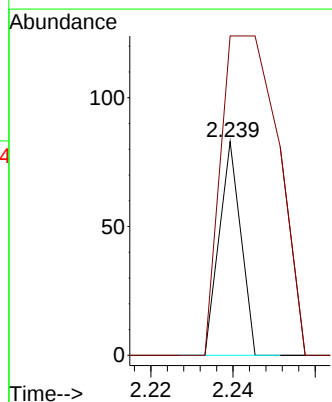
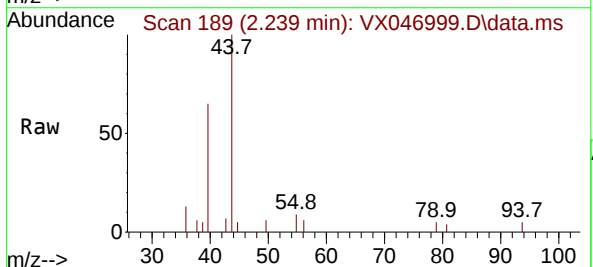
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-GRE

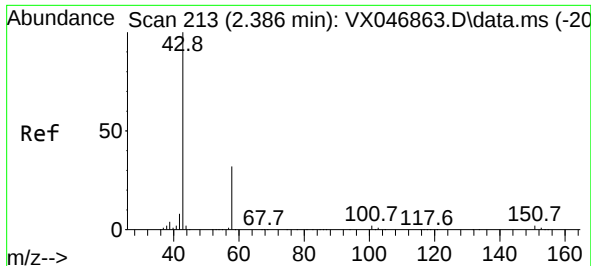
Tgt Ion: 59 Resp: 187
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#



#13
Acrolein
Concen: 2.926 ug/l
RT: 2.239 min Scan# 189
Delta R.T. -0.007 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion: 56 Resp: 30
Ion Ratio Lower Upper
56 100
55 400.0 55.5 83.3#

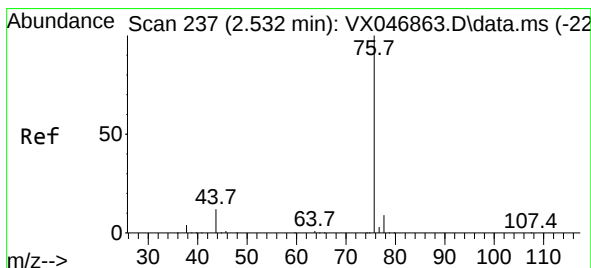
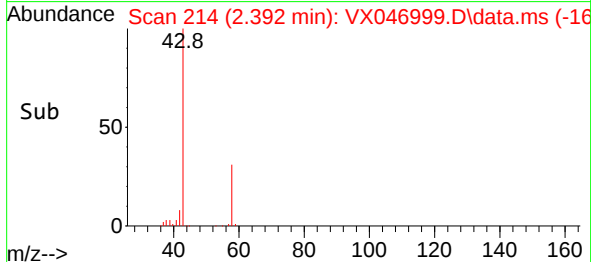
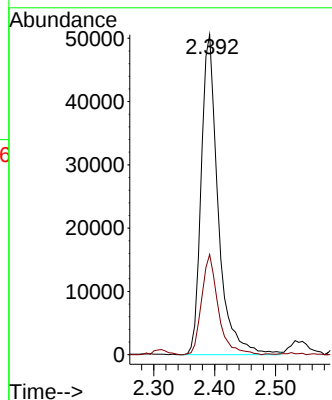
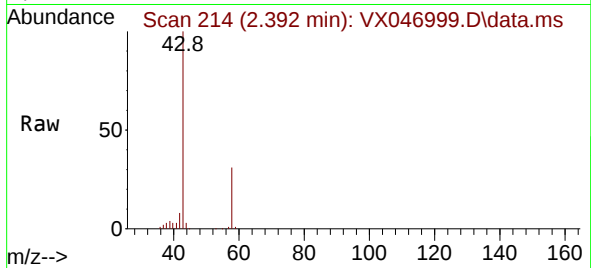




#16
Acetone
Concen: 70.193 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

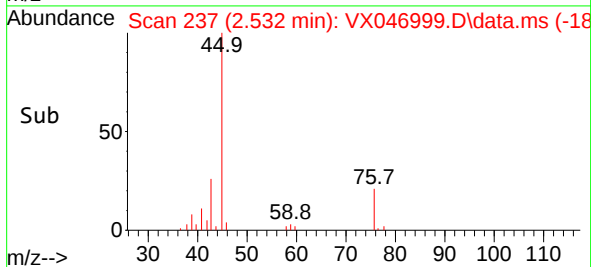
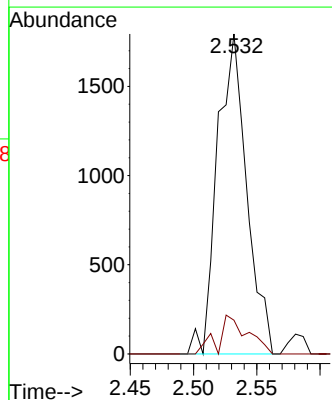
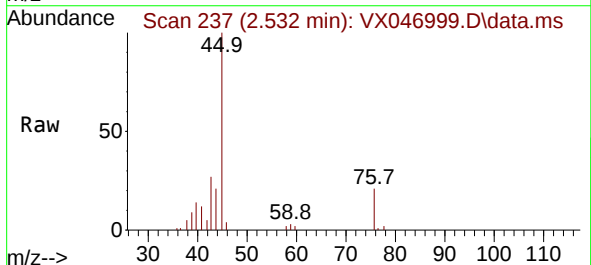
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-GRE

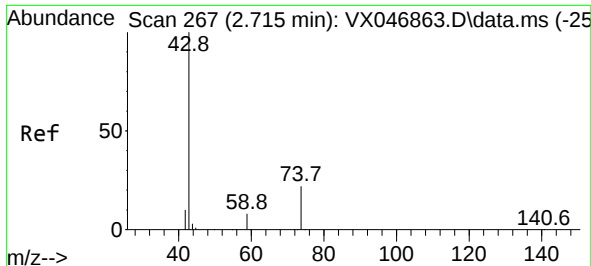
Tgt Ion: 43 Resp: 97705
Ion Ratio Lower Upper
43 100
58 31.3 25.8 38.6



#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion: 76 Resp: 2893
Ion Ratio Lower Upper
76 100
78 10.5 7.4 11.2





#18

Methyl Acetate

Concen: 0.211 ug/l

RT: 2.696 min Scan# 2

Delta R.T. -0.018 min

Lab File: VX046999.D

Acq: 15 Jul 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

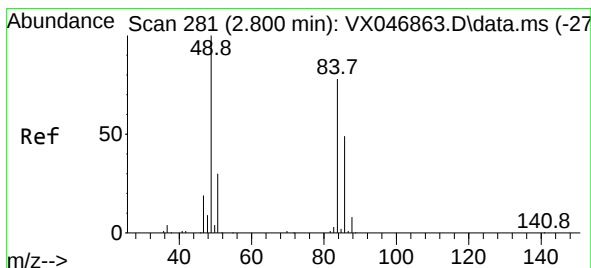
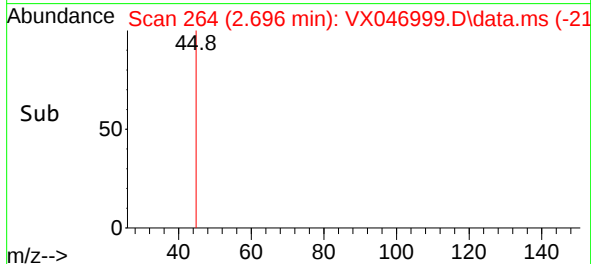
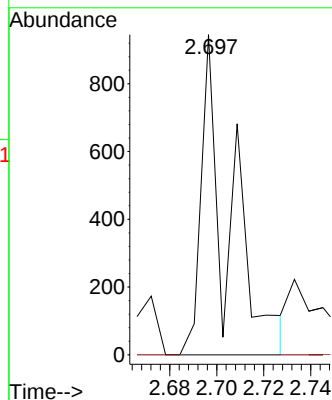
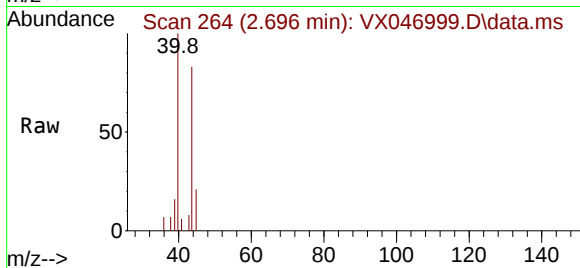
WC-A2-14-GRE

Tgt Ion: 43 Resp: 773

Ion Ratio Lower Upper

43 100

74 0.0 18.3 27.5#



#20

Methylene Chloride

Concen: 5.259 ug/l

RT: 2.806 min Scan# 282

Delta R.T. 0.006 min

Lab File: VX046999.D

Acq: 15 Jul 2025 14:16

Tgt Ion: 84 Resp: 21645

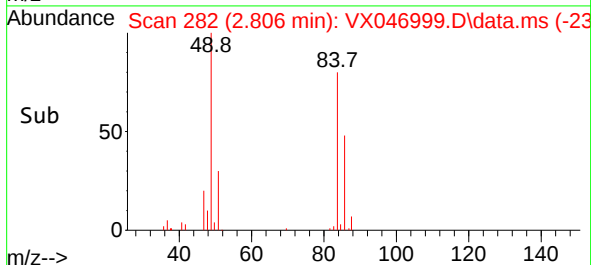
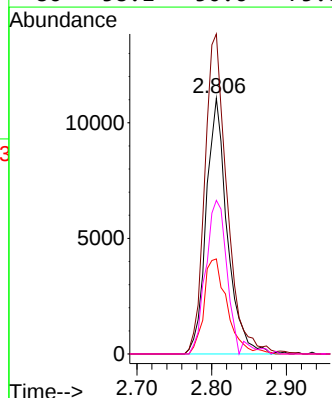
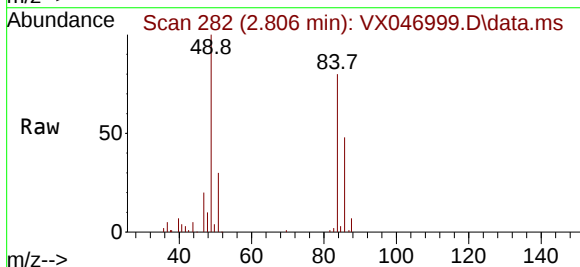
Ion Ratio Lower Upper

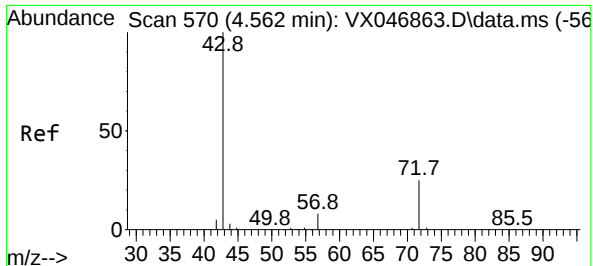
84 100

49 121.0 102.8 154.2

51 35.9 31.1 46.7

86 58.1 50.6 75.8





#25

2-Butanone

Concen: 1.426 ug/l

RT: 4.611 min Scan# 51

Delta R.T. 0.049 min

Lab File: VX046999.D

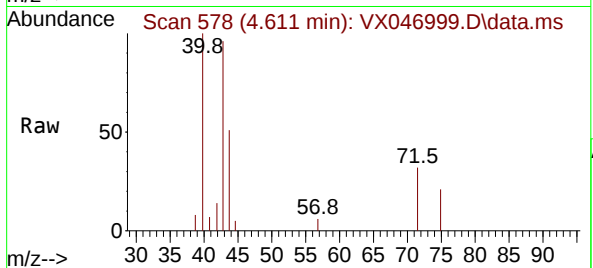
Acq: 15 Jul 2025 14:16

Instrument :

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ClientSampleId :

WC-A2-14-GRE

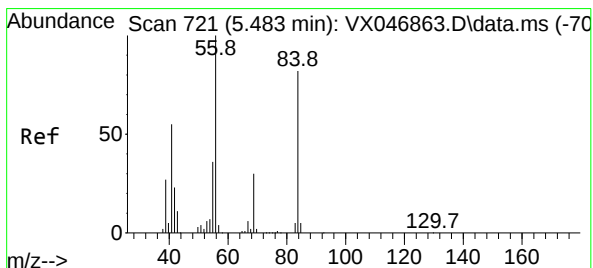
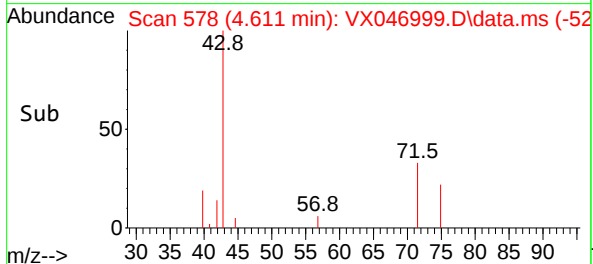
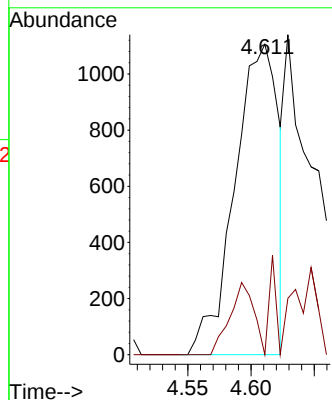


Tgt Ion: 43 Resp: 2649

Ion Ratio Lower Upper

43 100

72 0.0 20.0 30.0#



#31

Cyclohexane

Concen: 1.205 ug/l

RT: 5.568 min Scan# 735

Delta R.T. 0.085 min

Lab File: VX046999.D

Acq: 15 Jul 2025 14:16

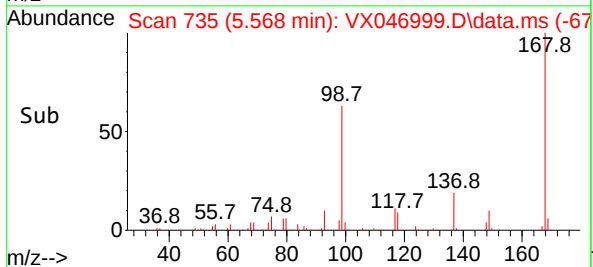
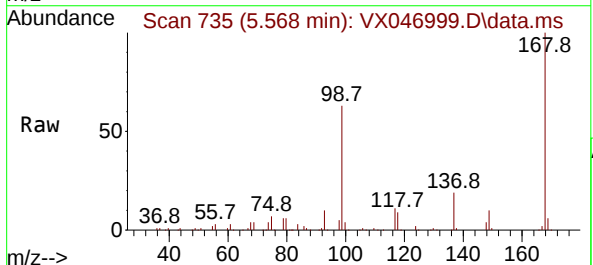
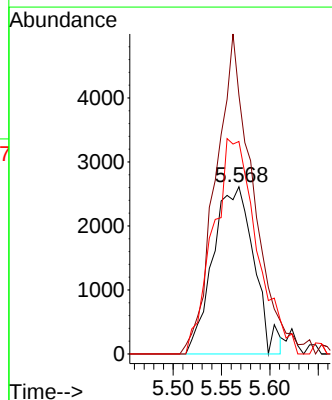
Tgt Ion: 56 Resp: 7721

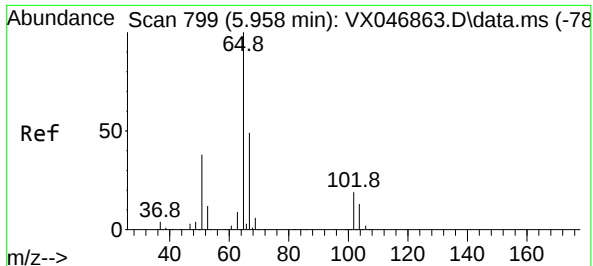
Ion Ratio Lower Upper

56 100

69 154.8 24.0 36.0#

84 127.1 66.5 99.7#





#33

1,2-Dichloroethane-d4

Concen: 53.801 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX046999.D

Acq: 15 Jul 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

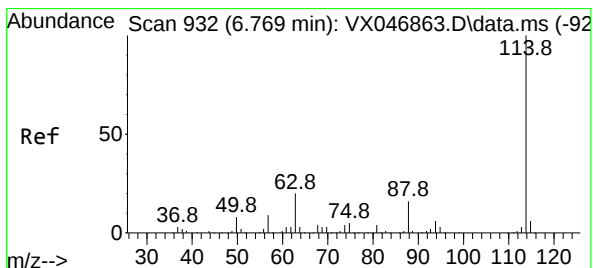
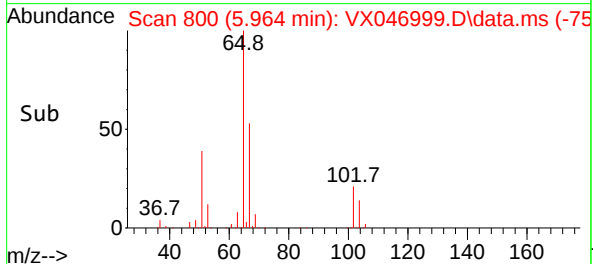
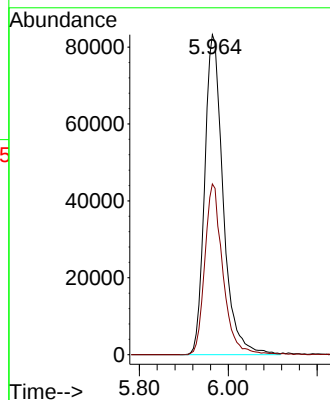
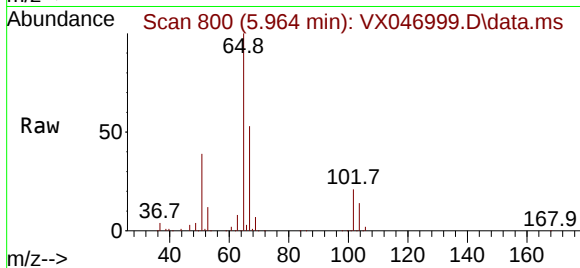
WC-A2-14-GRE

Tgt Ion: 65 Resp: 241091

Ion Ratio Lower Upper

65 100

67 52.1 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: VX046999.D

Acq: 15 Jul 2025 14:16

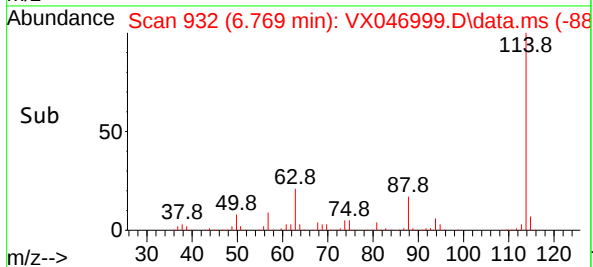
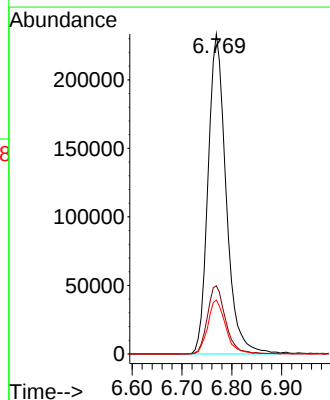
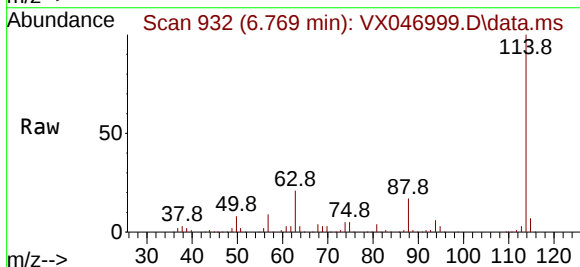
Tgt Ion: 114 Resp: 586472

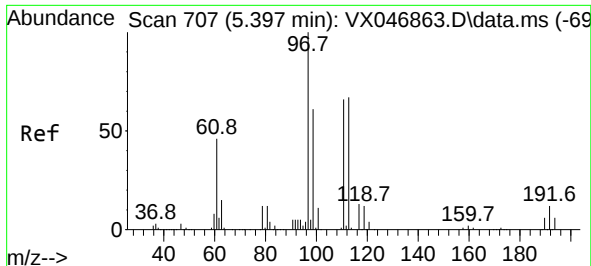
Ion Ratio Lower Upper

114 100

63 21.3 0.0 40.4

88 16.8 0.0 31.0

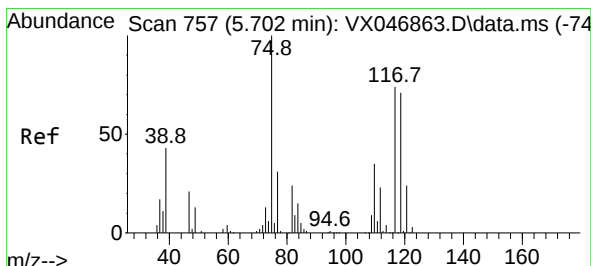
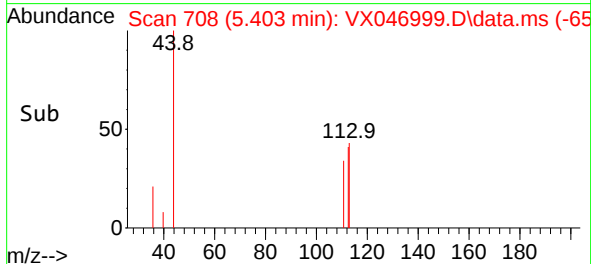
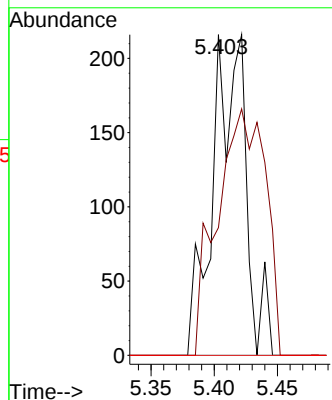
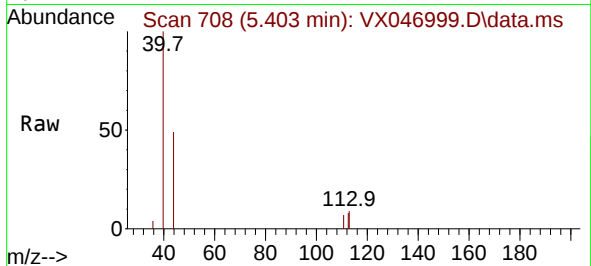




#35
Dibromofluoromethane
Concen: 0.098 ug/l
RT: 5.403 min Scan# 707
Delta R.T. 0.006 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

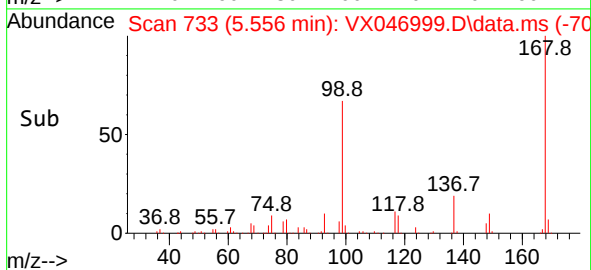
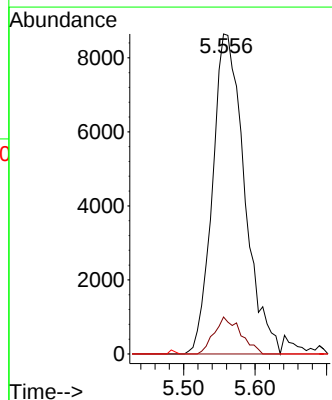
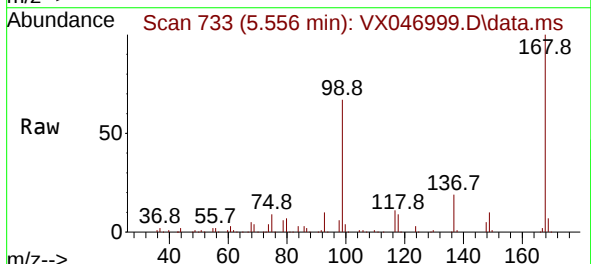
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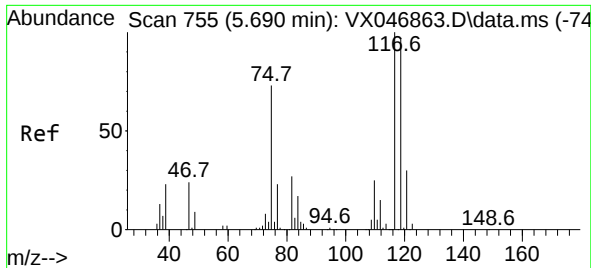
Tgt Ion:113 Resp: 392
Ion Ratio Lower Upper
113 100
111 112.8 81.2 121.8
192 0.0 15.3 22.9#



#36
1,1-Dichloropropene
Concen: 4.990 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.147 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

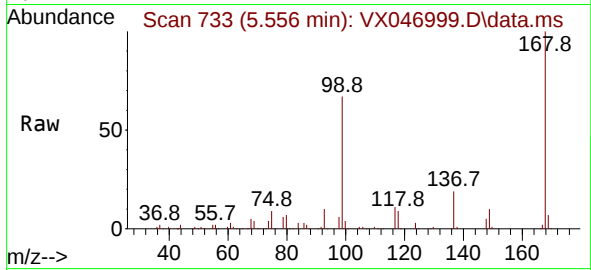
Tgt Ion: 75 Resp: 26803
Ion Ratio Lower Upper
75 100
110 9.6 17.3 51.9#
77 0.0 24.2 36.4#



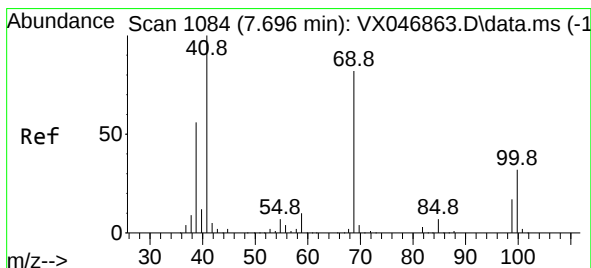
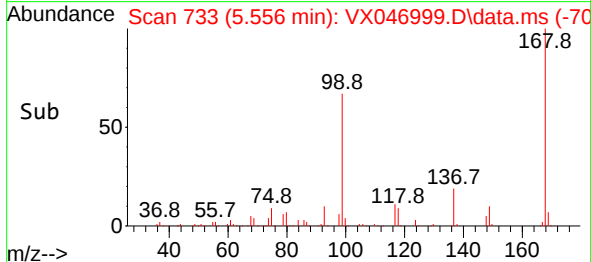
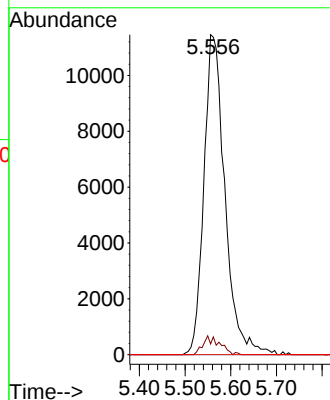


#38
Carbon Tetrachloride
Concen: 6.426 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.134 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

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

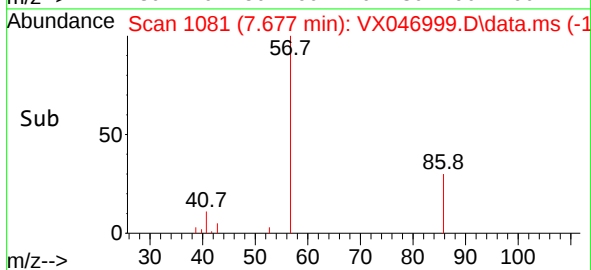
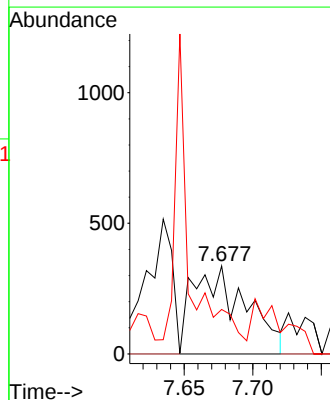
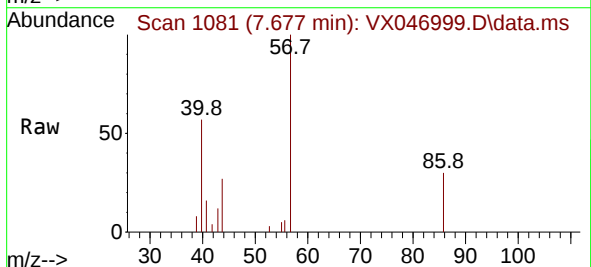


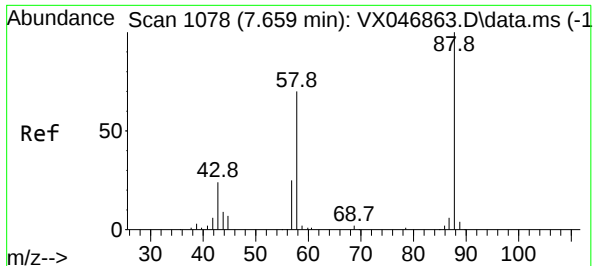
Tgt Ion:117 Resp: 36492
Ion Ratio Lower Upper
117 100
119 3.4 76.6 114.8#
121 0.0 24.1 36.1#



#48
Methyl methacrylate
Concen: 0.248 ug/l
RT: 7.677 min Scan# 1081
Delta R.T. -0.018 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion: 41 Resp: 898
Ion Ratio Lower Upper
41 100
69 0.0 65.8 98.8#
39 0.0 43.8 65.6#

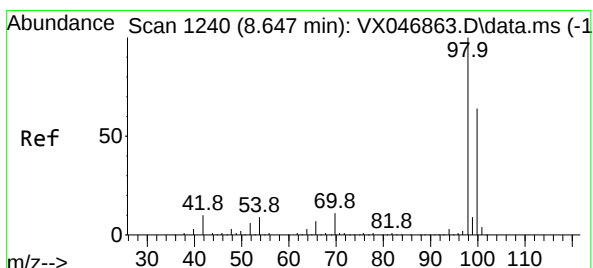
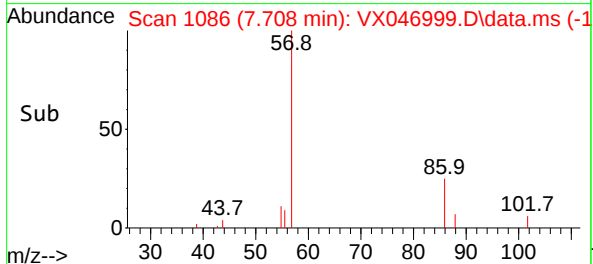
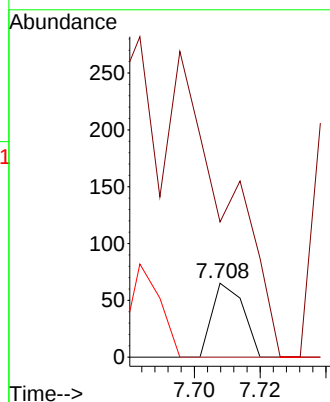
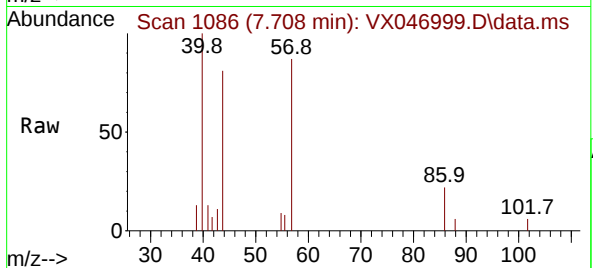




#49
 1,4-Dioxane
 Concen: 1.026 ug/l
 RT: 7.708 min Scan# 1086
 Delta R.T. 0.049 min
 Lab File: VX046999.D
 Acq: 15 Jul 2025 14:16

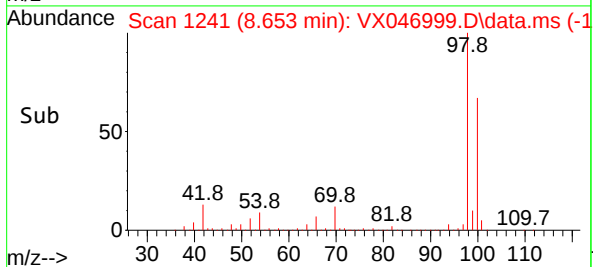
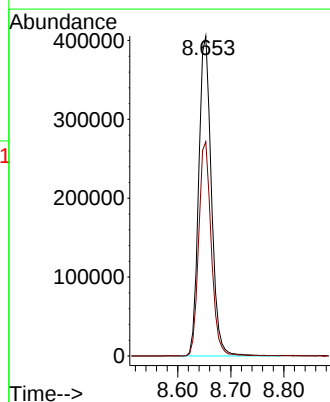
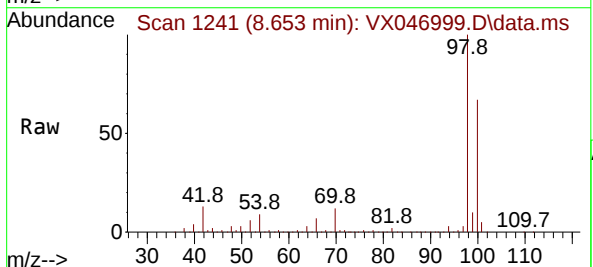
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-14-GRE

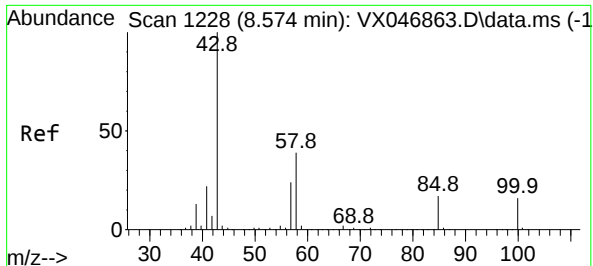
Tgt Ion:	88	Resp:	43
Ion	Ratio	Lower	Upper
88	100		
43	0.0	31.7	47.5#
58	0.0	57.5	86.3#



#50
 Toluene-d8
 Concen: 47.768 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. 0.006 min
 Lab File: VX046999.D
 Acq: 15 Jul 2025 14:16

Tgt Ion:	98	Resp:	670944
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.6

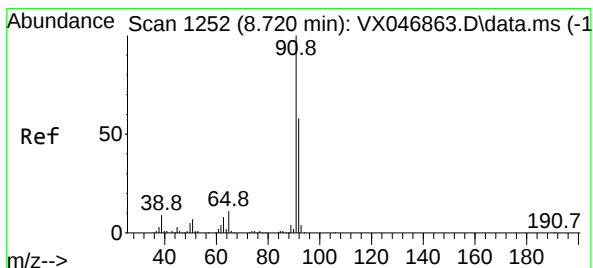
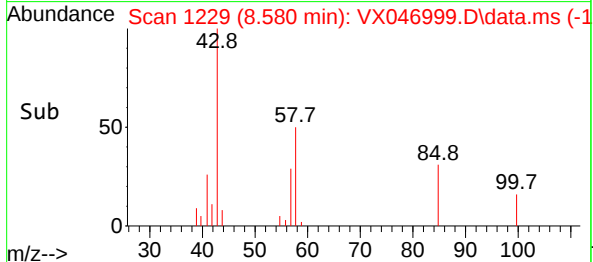
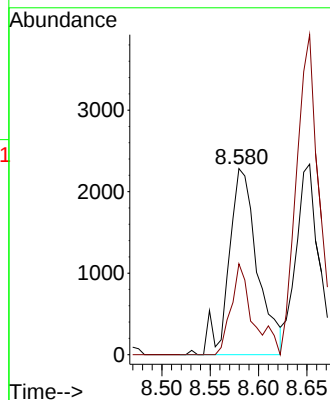
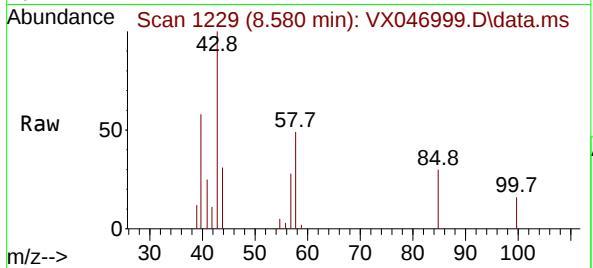




#51
4-Methyl-2-Pentanone
Concen: 1.137 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

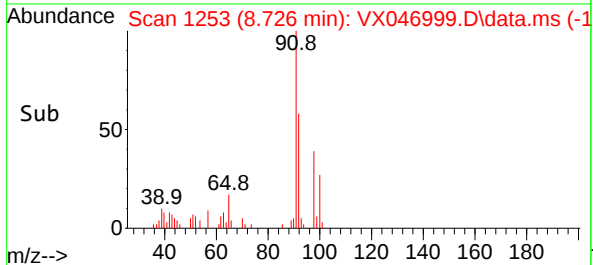
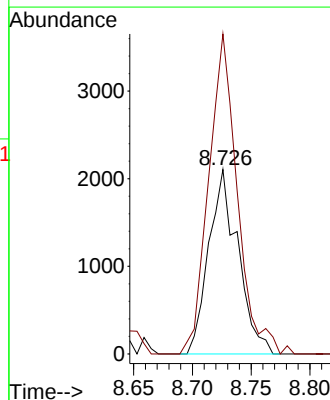
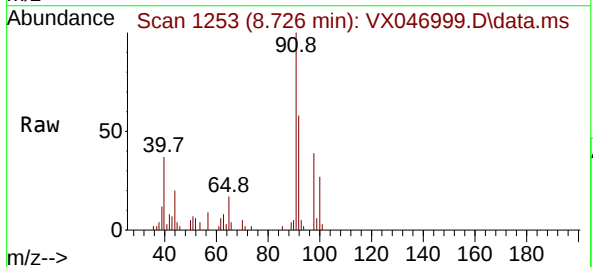
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-GRE

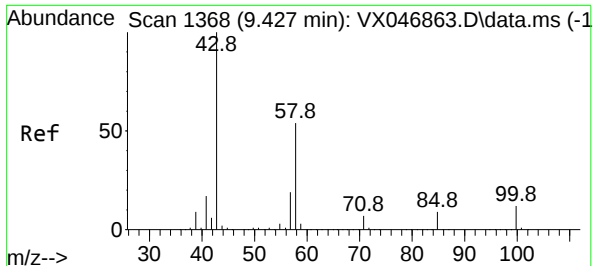
Tgt Ion: 43 Resp: 4703
Ion Ratio Lower Upper
43 100
58 37.0 30.4 45.6



#52
Toluene
Concen: 0.362 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion: 92 Resp: 3644
Ion Ratio Lower Upper
92 100
91 170.2 137.9 206.9





#59

2-Hexanone

Concen: 0.323 ug/l

RT: 9.457 min Scan# 11

Delta R.T. 0.030 min

Lab File: VX046999.D

Acq: 15 Jul 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

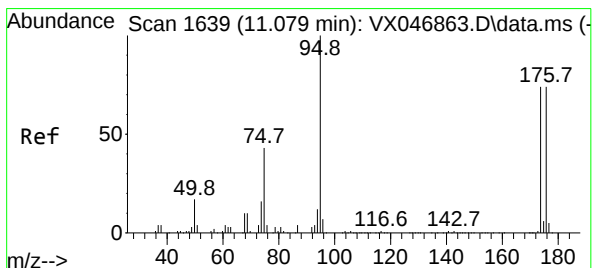
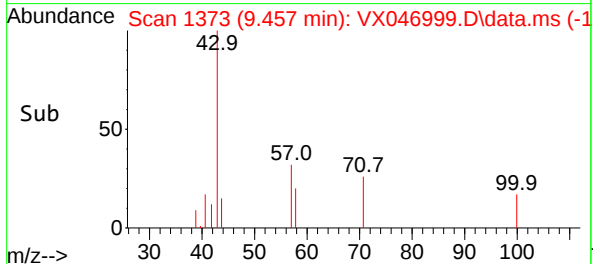
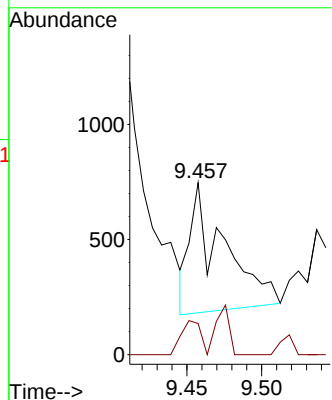
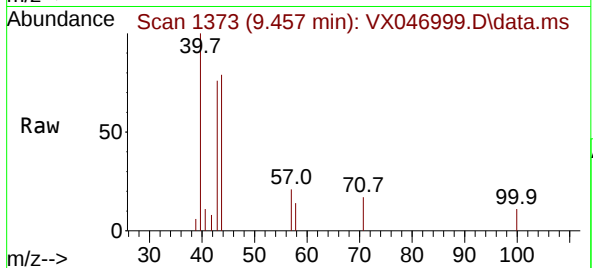
WC-A2-14-GRE

Tgt Ion: 43 Resp: 886

Ion Ratio Lower Upper

43 100

58 14.9 27.1 81.3#



#62

4-Bromofluorobenzene

Concen: 52.366 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046999.D

Acq: 15 Jul 2025 14:16

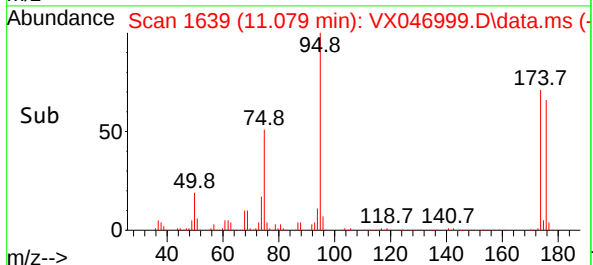
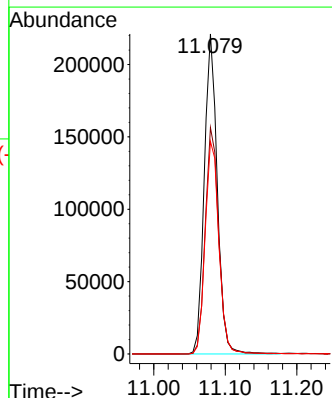
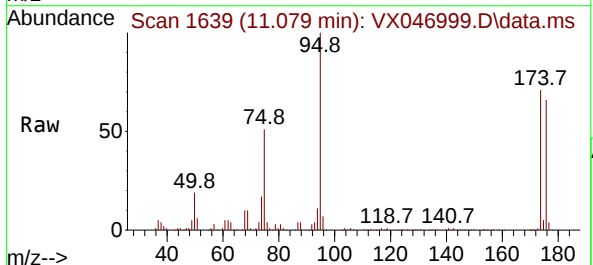
Tgt Ion: 95 Resp: 279542

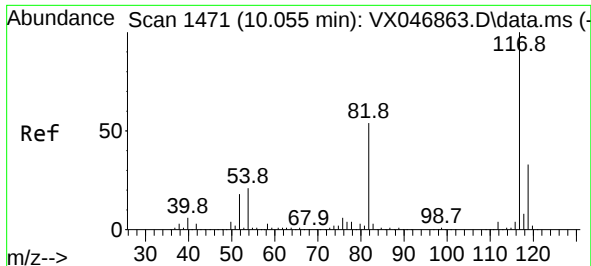
Ion Ratio Lower Upper

95 100

174 73.2 0.0 152.0

176 70.5 0.0 145.2

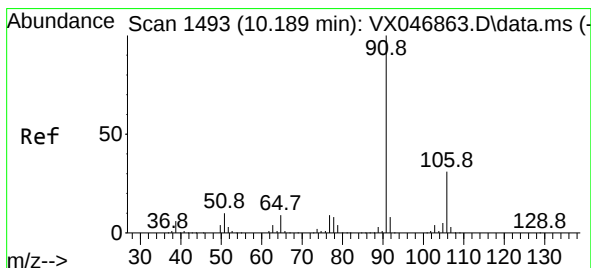
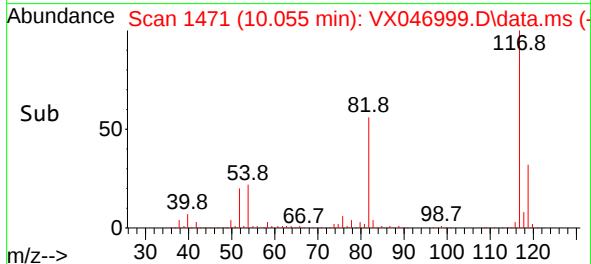
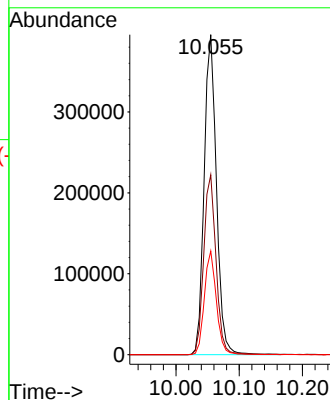
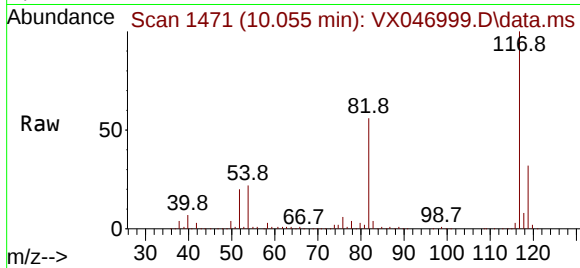




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

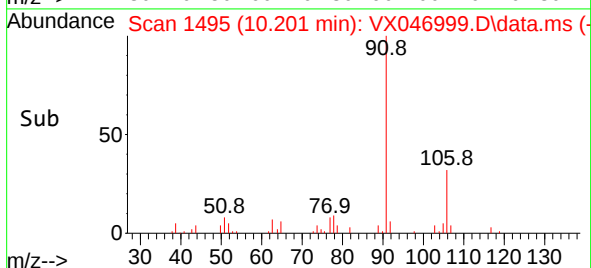
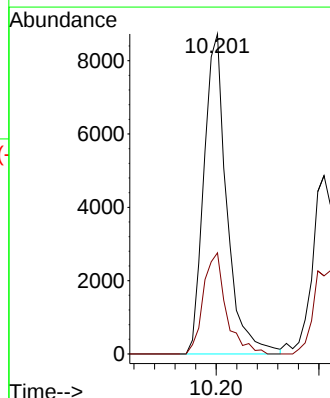
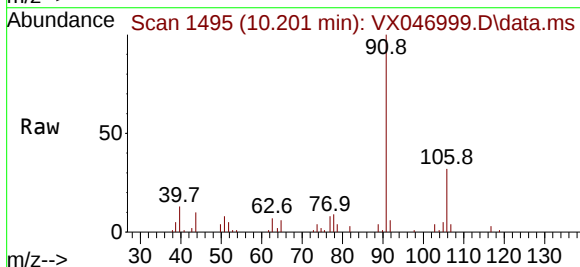
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-GRE

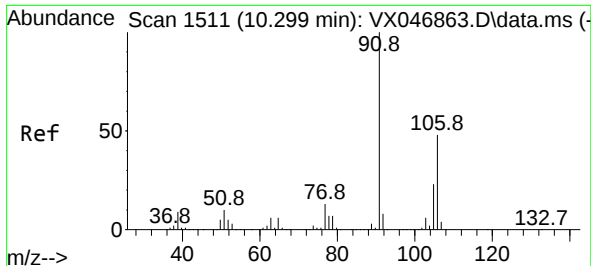
Tgt Ion:117 Resp: 536571
Ion Ratio Lower Upper
117 100
82 56.2 43.3 64.9
119 32.4 26.4 39.6



#67
Ethyl Benzene
Concen: 0.679 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.012 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion: 91 Resp: 13494
Ion Ratio Lower Upper
91 100
106 31.6 24.4 36.6

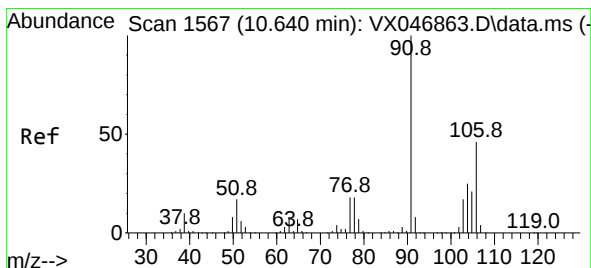
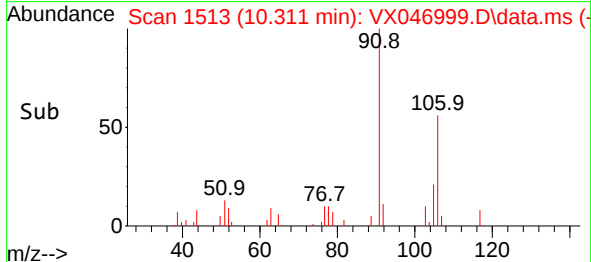
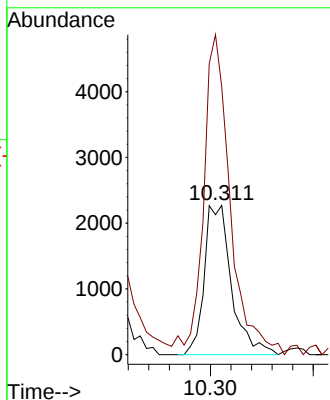
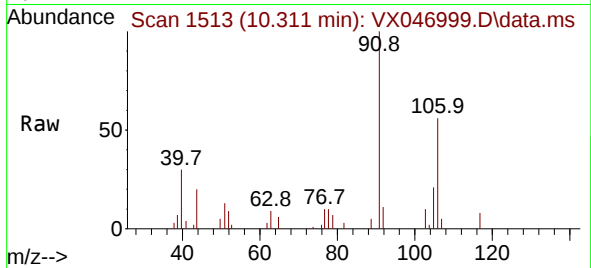




#68
m/p-Xylenes
Concen: 0.557 ug/l
RT: 10.311 min Scan# 1511
Delta R.T. 0.012 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

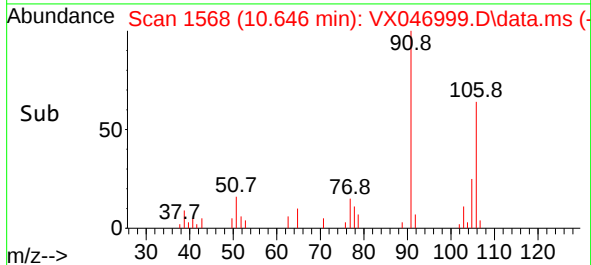
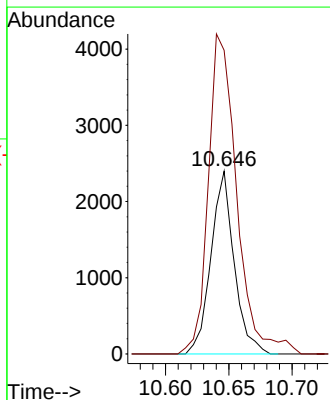
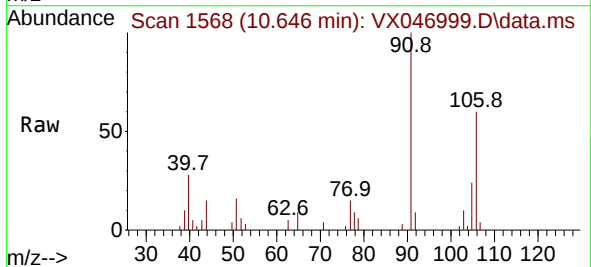
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-GRE

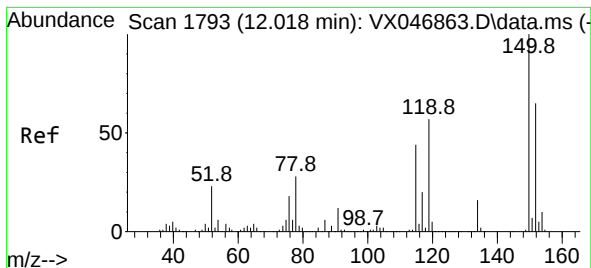
Tgt Ion:106 Resp: 4170
Ion Ratio Lower Upper
106 100
91 209.5 164.6 246.8



#69
o-Xylene
Concen: 0.423 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion:106 Resp: 3059
Ion Ratio Lower Upper
106 100
91 214.4 109.5 328.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046999.D

Acq: 15 Jul 2025 14:16

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-14-GRE

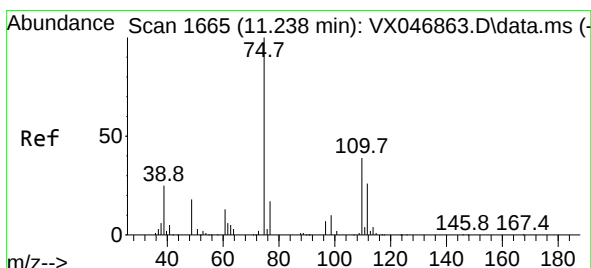
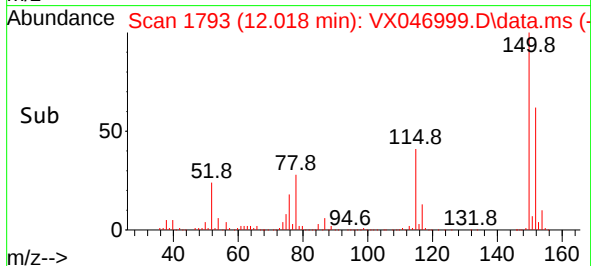
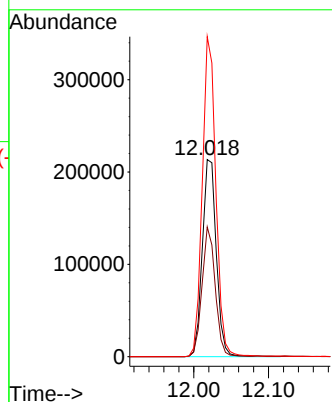
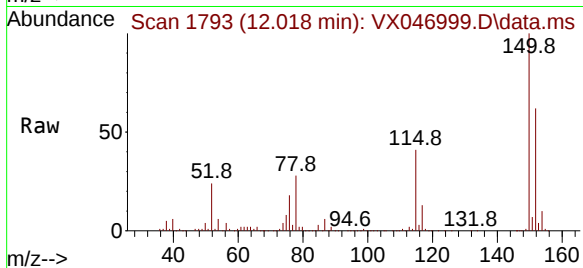
Tgt Ion:152 Resp: 277997

Ion Ratio Lower Upper

152 100

115 62.0 42.4 127.1

150 156.8 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 33.311 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX046999.D

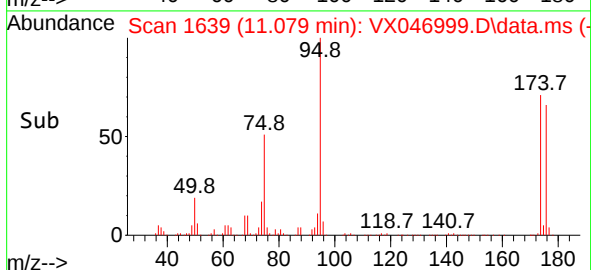
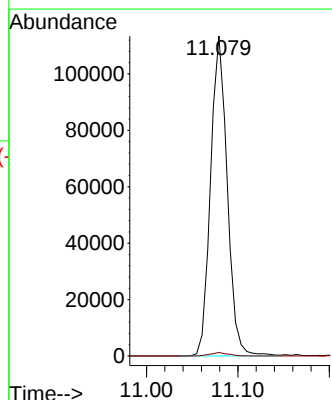
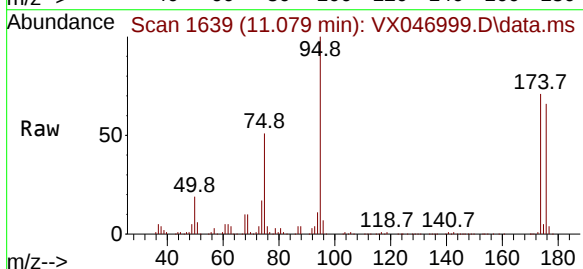
Acq: 15 Jul 2025 14:16

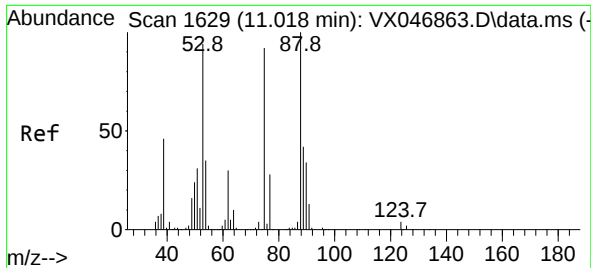
Tgt Ion: 75 Resp: 143085

Ion Ratio Lower Upper

75 100

77 1.1 20.6 61.8#

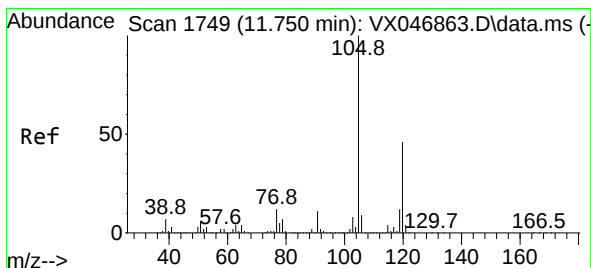
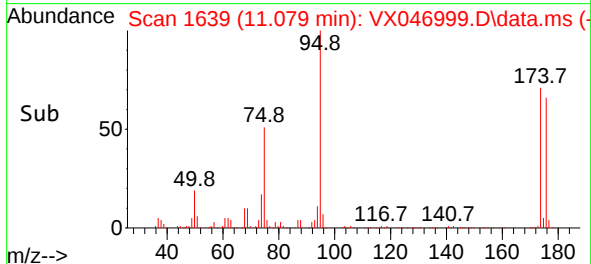
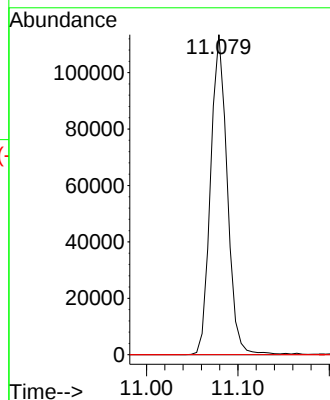
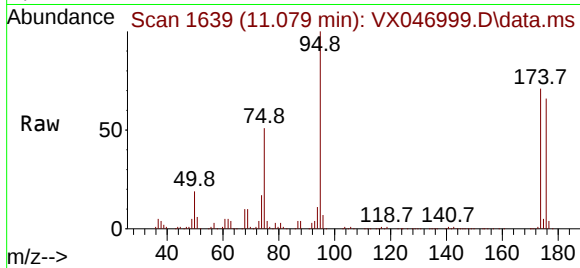




#81
trans-1,4-Dichloro-2-butene
Concen: 89.390 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

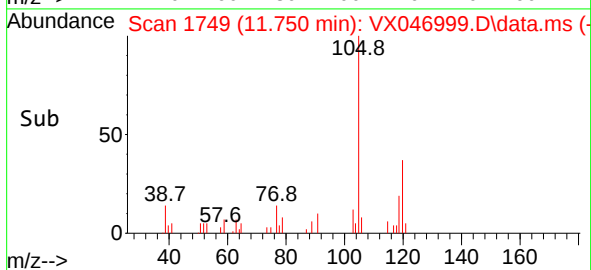
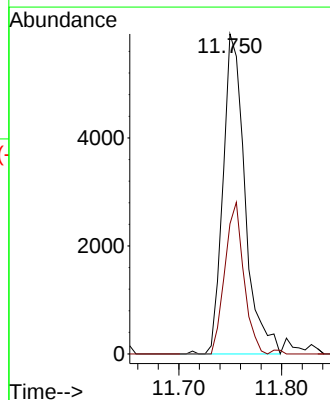
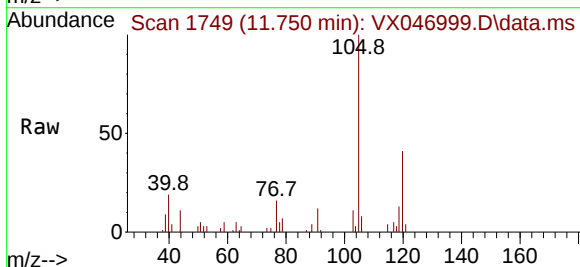
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-14-GRE

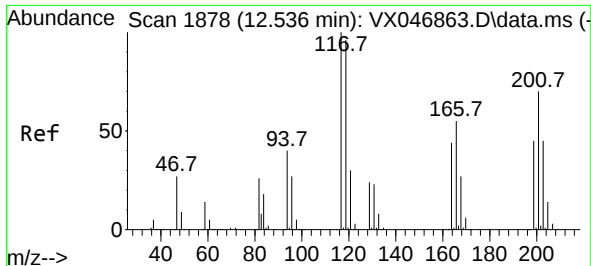
Tgt Ion: 75 Resp: 143085
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.545 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion:105 Resp: 8755
Ion Ratio Lower Upper
105 100
120 40.9 23.3 69.8

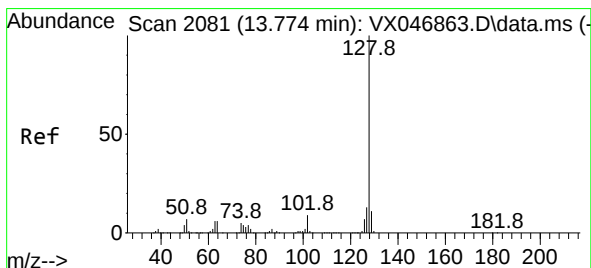
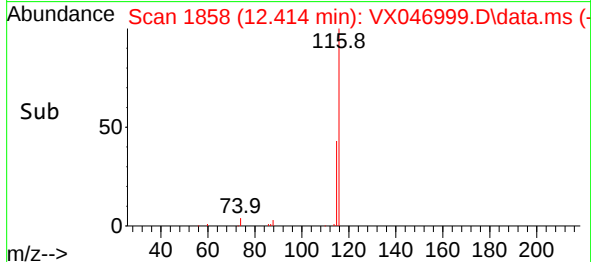
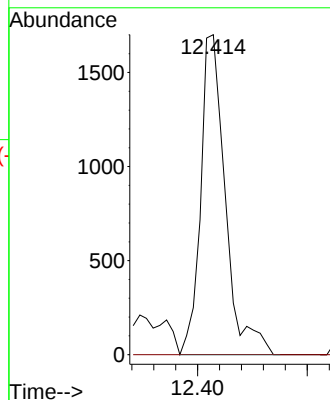
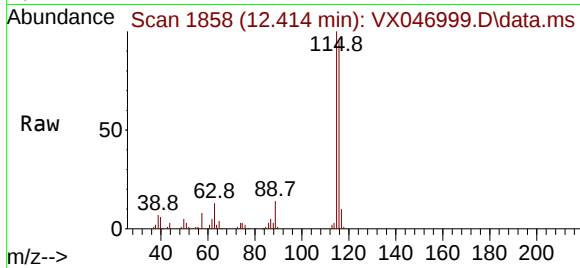




#90
Hexachloroethane
Concen: 0.866 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.122 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

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

Tgt Ion:117 Resp: 2657
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#



#95
Naphthalene
Concen: 94.075 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046999.D
Acq: 15 Jul 2025 14:16

Tgt Ion:128 Resp: 1485714
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.9 8.6 13.0

