

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046998.D
 Acq On : 15 Jul 2025 13:54
 Operator : JC/MD
 Sample : Q2579-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-13-GRE

Quant Time: Jul 16 02:26:07 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)

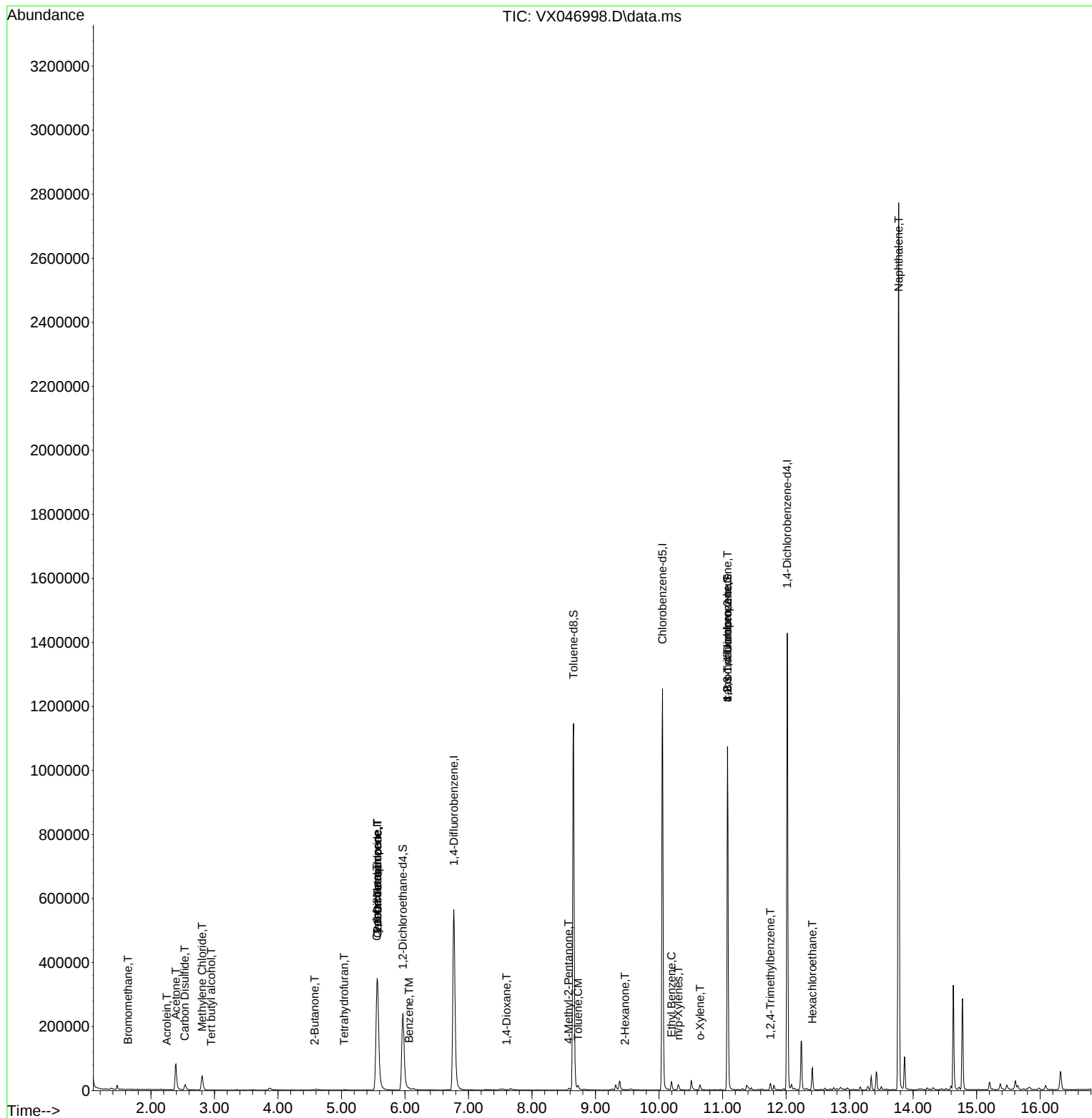
Internal Standards						
1) Pentafluorobenzene	5.562	168	352031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	597406	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	550618	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	287789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	250512	53.866	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 107.740%	
35) Dibromofluoromethane	5.409	113	356	0.088	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 0.180%#	
50) Toluene-d8	8.653	98	696313	48.667	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.340%	
62) 4-Bromofluorobenzene	11.079	95	285624	52.526	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 105.060%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.636	94	836	0.325	ug/l #	80
11) Tert butyl alcohol	2.947	59	258	0.846	ug/l #	72
13) Acrolein	2.252	56	19	2.891	ug/l #	1
16) Acetone	2.392	43	100079	69.278	ug/l	98
17) Carbon Disulfide	2.532	76	3578	0.357	ug/l	97
20) Methylene Chloride	2.806	84	22311	5.223	ug/l	94
25) 2-Butanone	4.574	43	596	0.309	ug/l #	50
29) Tetrahydrofuran	5.044	42	571	0.465	ug/l #	54
31) Cyclohexane	5.556	56	7921	1.192	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	28948	5.291	ug/l #	50
38) Carbon Tetrachloride	5.568	117	36692	6.343	ug/l #	16
40) Benzene	6.062	78	3705	0.224	ug/l #	1
49) 1,4-Dioxane	7.598	88	20	0.468	ug/l #	1
51) 4-Methyl-2-Pentanone	8.574	43	4987	1.184	ug/l	97
52) Toluene	8.726	92	3737	0.364	ug/l	95
59) 2-Hexanone	9.464	43	780	0.279	ug/l	85
67) Ethyl Benzene	10.195	91	15164	0.744	ug/l	98
68) m/p-Xylenes	10.305	106	4880	0.635	ug/l	93
69) o-Xylene	10.646	106	3374	0.455	ug/l	92
76) 1,2,3-Trichloropropane	11.079	75	148600	33.418	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	148600	89.676	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	10002	0.602	ug/l	100
90) Hexachloroethane	12.414	117	3058	0.962	ug/l #	14
95) Naphthalene	13.774	128	1658311	101.431	ug/l	100

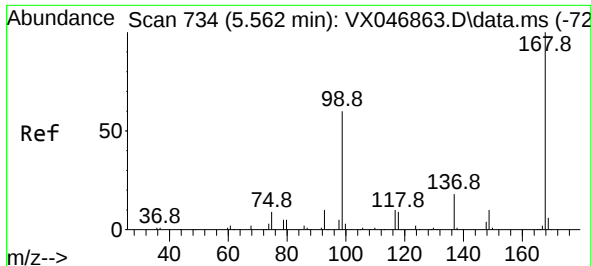
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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WC-A2-13-GRE

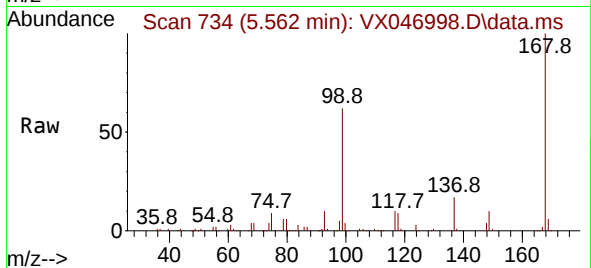
Quant Time: Jul 16 02:26:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
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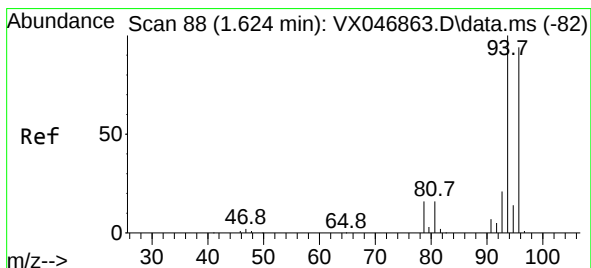
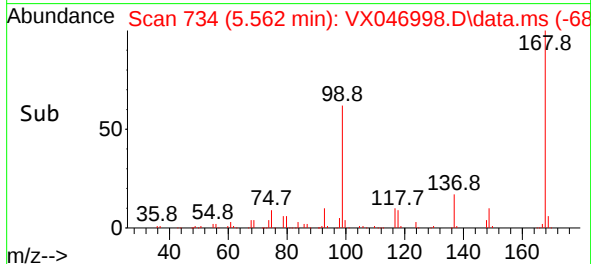
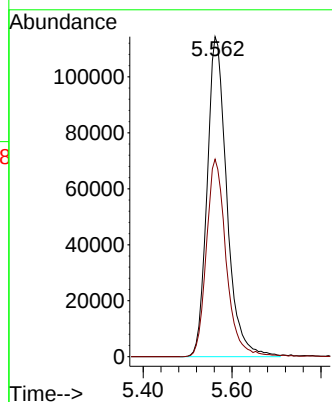


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

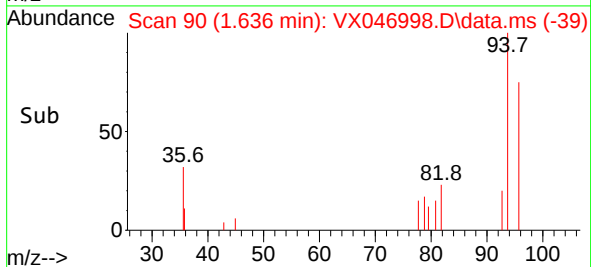
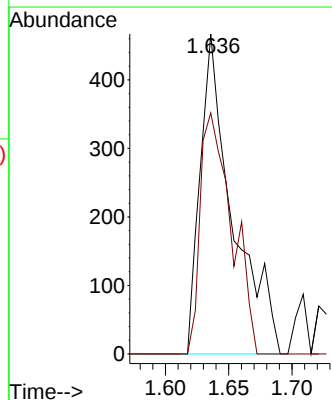
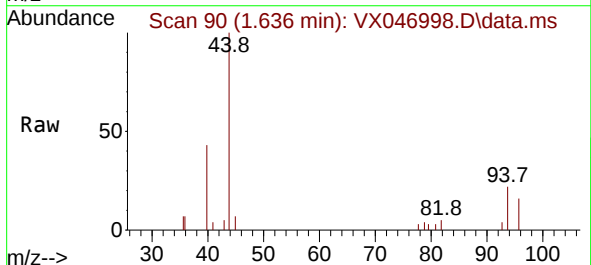


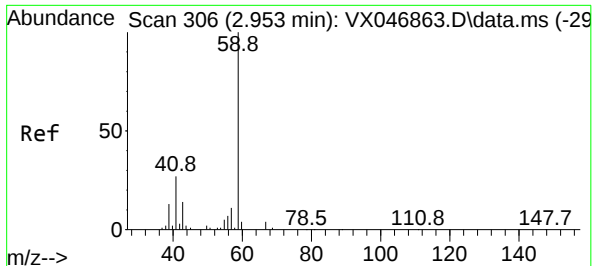
Tgt Ion:168 Resp: 352031
Ion Ratio Lower Upper
168 100
99 61.7 48.8 73.2



#5
Bromomethane
Concen: 0.325 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.012 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 94 Resp: 836
Ion Ratio Lower Upper
94 100
96 75.4 75.5 113.3#





#11

Tert butyl alcohol

Concen: 0.846 ug/l

RT: 2.947 min Scan# 306

Delta R.T. -0.006 min

Lab File: VX046998.D

Acq: 15 Jul 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

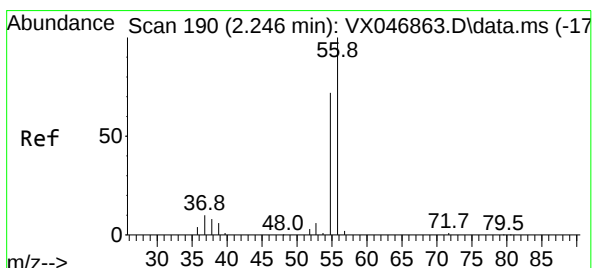
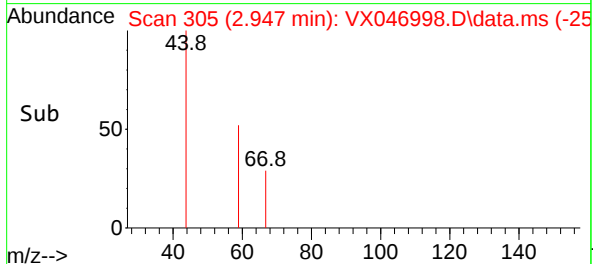
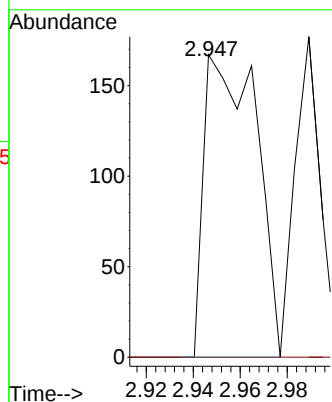
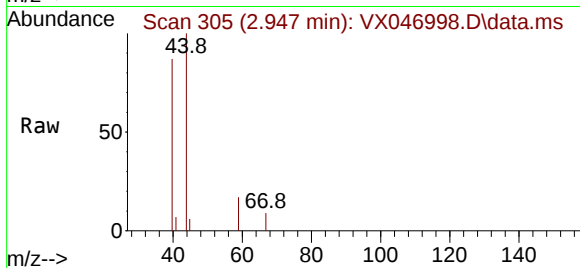
WC-A2-13-GRE

Tgt Ion: 59 Resp: 258

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 2.891 ug/l

RT: 2.252 min Scan# 191

Delta R.T. 0.006 min

Lab File: VX046998.D

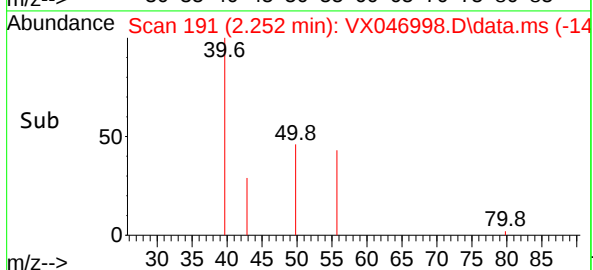
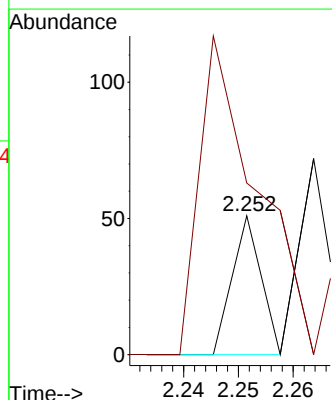
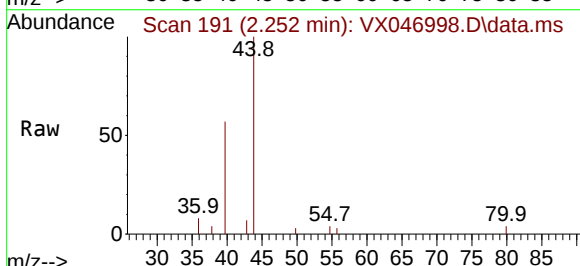
Acq: 15 Jul 2025 13:54

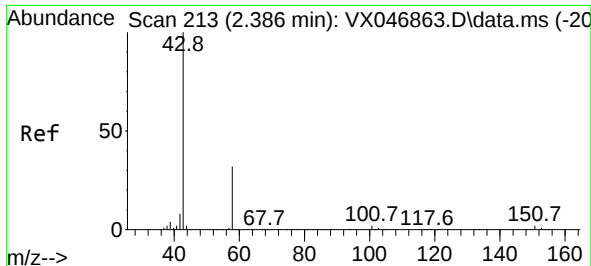
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 557.9 55.5 83.3#

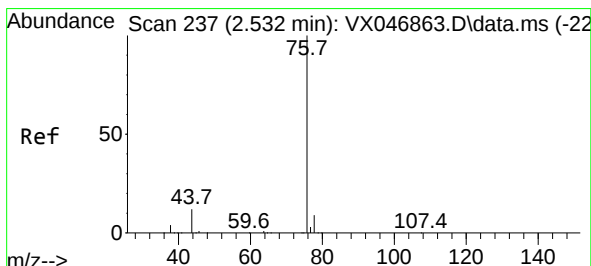
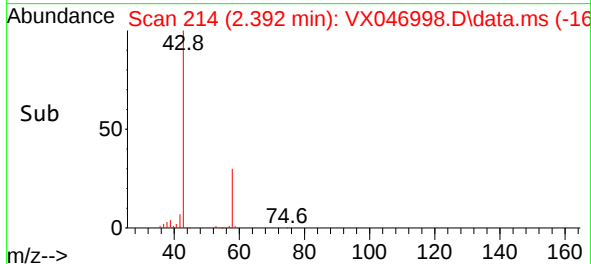
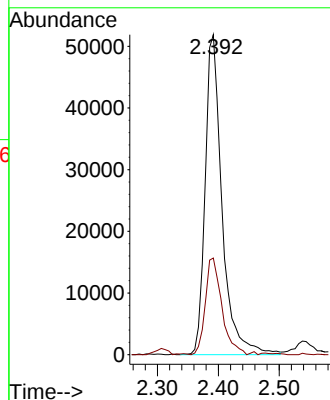
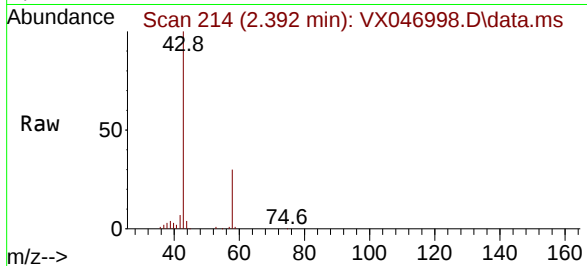




#16
Acetone
Concen: 69.278 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

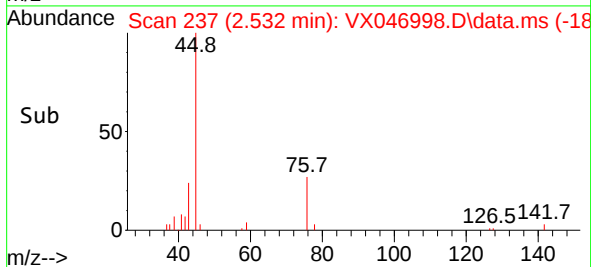
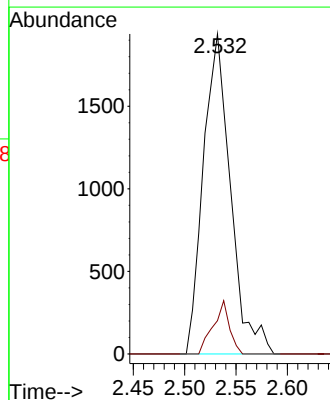
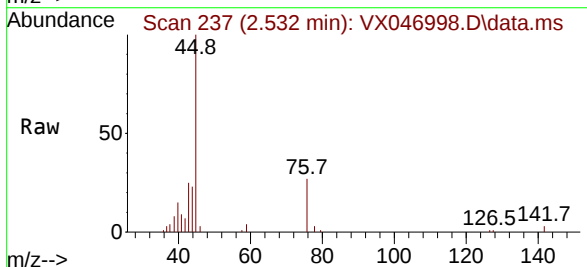
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

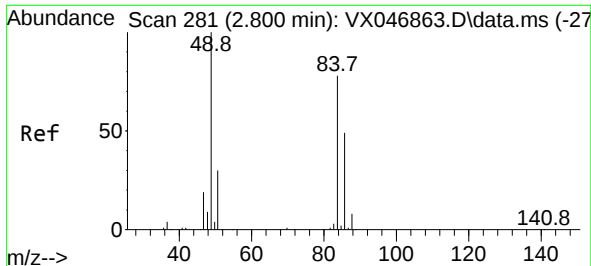
Tgt Ion: 43 Resp: 100079
Ion Ratio Lower Upper
43 100
58 31.0 25.8 38.6



#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.000 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 76 Resp: 3578
Ion Ratio Lower Upper
76 100
78 10.4 7.4 11.2

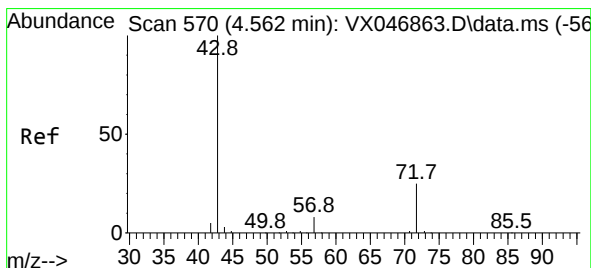
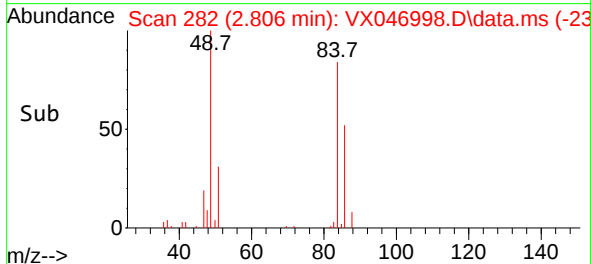
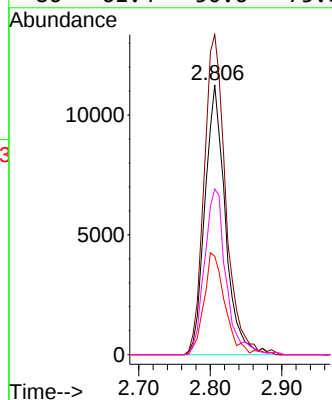
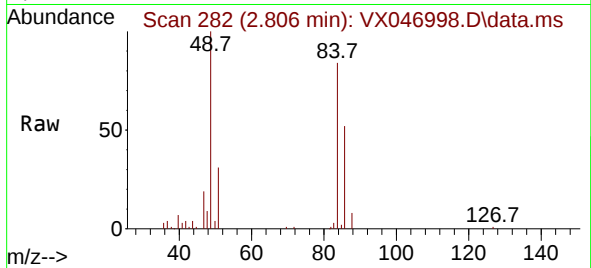




#20
Methylene Chloride
Concen: 5.223 ug/l
RT: 2.806 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

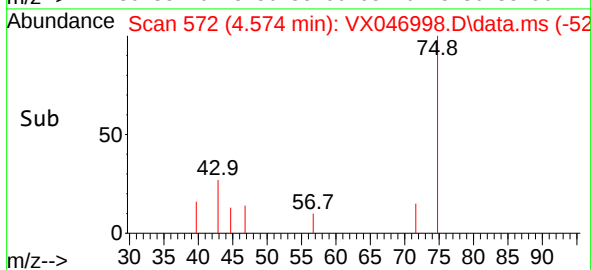
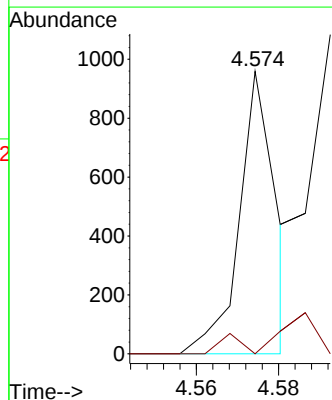
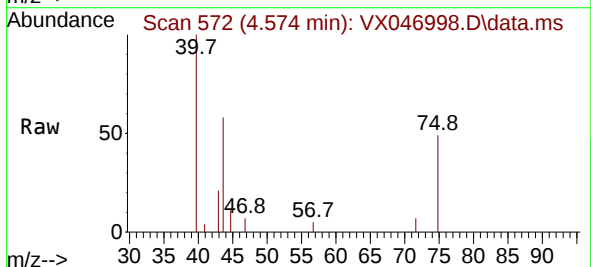
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

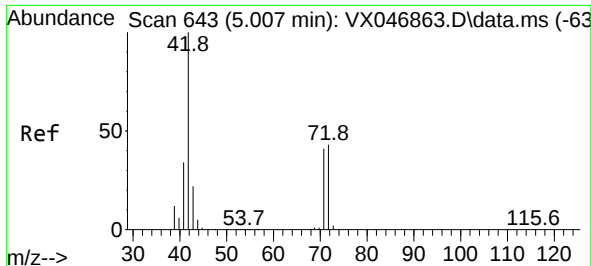
Tgt Ion: 84 Resp: 22311
Ion Ratio Lower Upper
84 100
49 118.6 102.8 154.2
51 36.5 31.1 46.7
86 61.4 50.6 75.8



#25
2-Butanone
Concen: 0.309 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.012 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 43 Resp: 596
Ion Ratio Lower Upper
43 100
72 0.0 20.0 30.0#





#29

Tetrahydrofuran

Concen: 0.465 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.036 min

Lab File: VX046998.D

Acq: 15 Jul 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

WC-A2-13-GRE

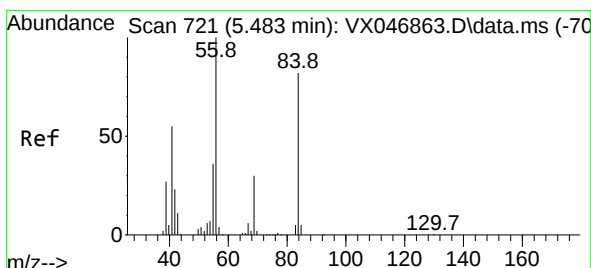
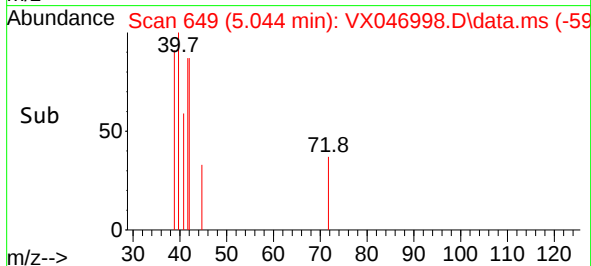
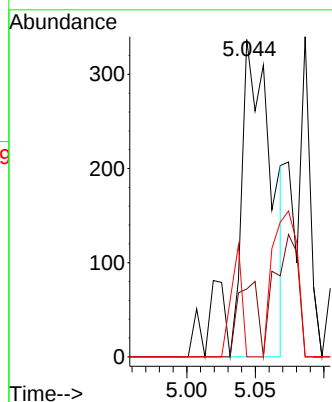
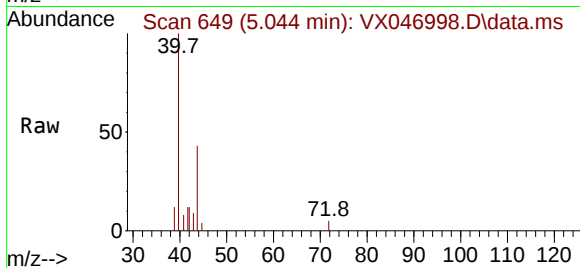
Tgt Ion: 42 Resp: 571

Ion Ratio Lower Upper

42 100

72 14.0 35.1 52.7#

71 11.4 31.9 47.9#



#31

Cyclohexane

Concen: 1.192 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.073 min

Lab File: VX046998.D

Acq: 15 Jul 2025 13:54

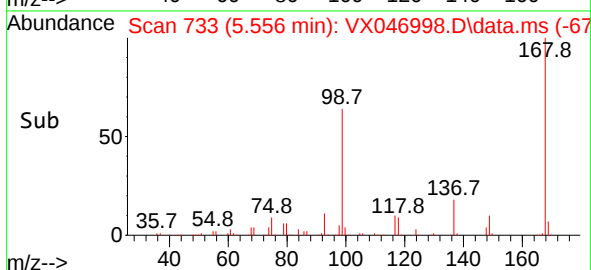
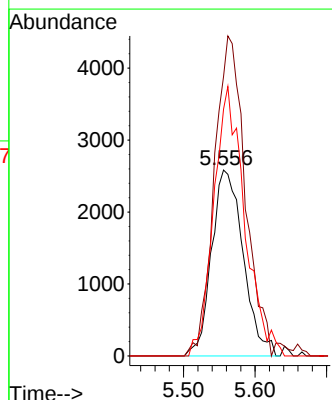
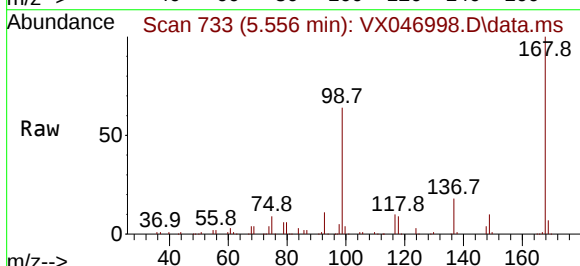
Tgt Ion: 56 Resp: 7921

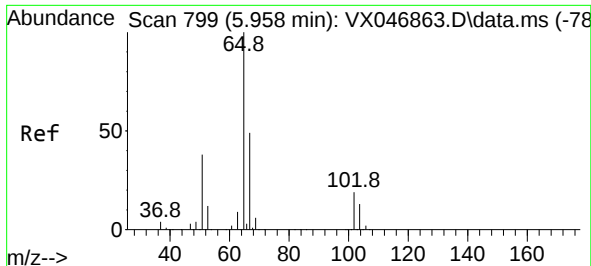
Ion Ratio Lower Upper

56 100

69 150.3 24.0 36.0#

84 132.7 66.5 99.7#

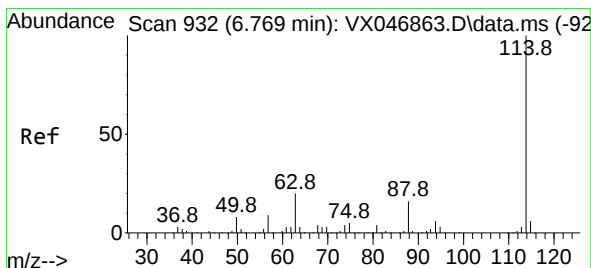
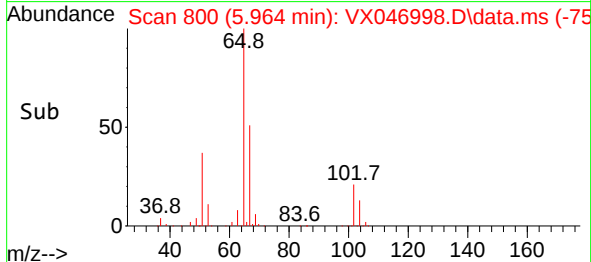
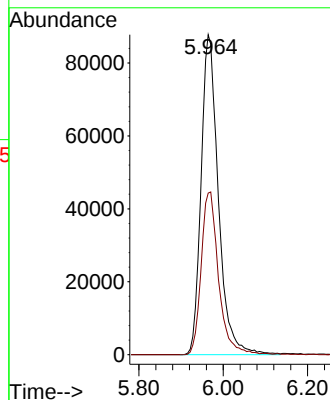
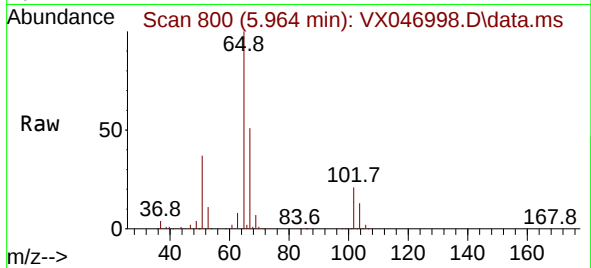




#33
1,2-Dichloroethane-d4
Concen: 53.866 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

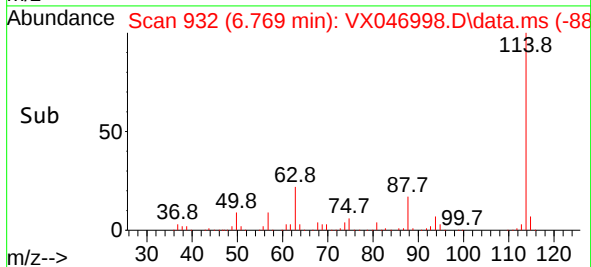
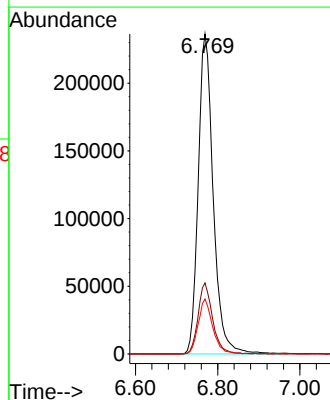
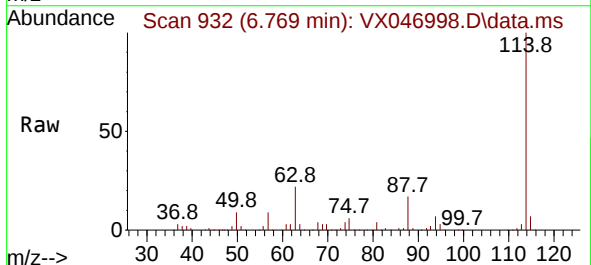
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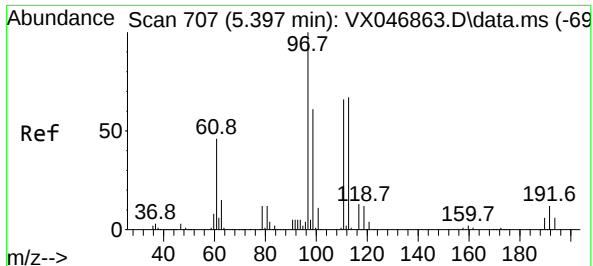
Tgt Ion: 65 Resp: 250512
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 114 Resp: 597406
Ion Ratio Lower Upper
114 100
63 22.2 0.0 40.4
88 17.2 0.0 31.0





#35

Dibromofluoromethane

Concen: 0.088 ug/l

RT: 5.409 min Scan# 709

Delta R.T. 0.012 min

Lab File: VX046998.D

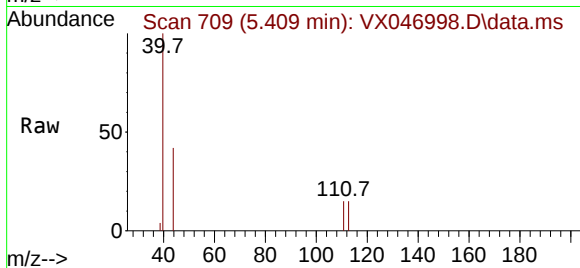
Acq: 15 Jul 2025 13:54

Instrument :

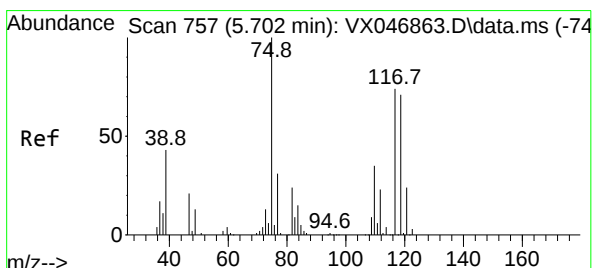
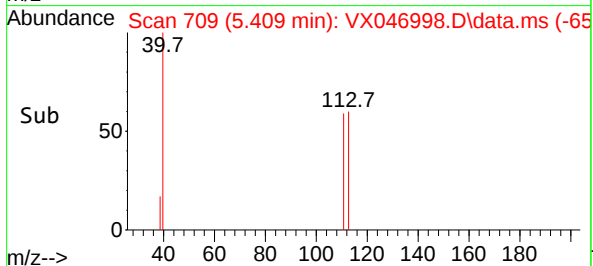
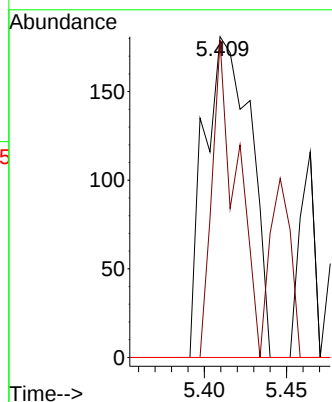
MSVOA_X

ClientSampleId :

WC-A2-13-GRE



Tgt Ion:	113	Resp:	356
Ion	Ratio	Lower	Upper
113	100		
111	53.7	81.2	121.8#
192	0.0	15.3	22.9#



#36

1,1-Dichloropropene

Concen: 5.291 ug/l

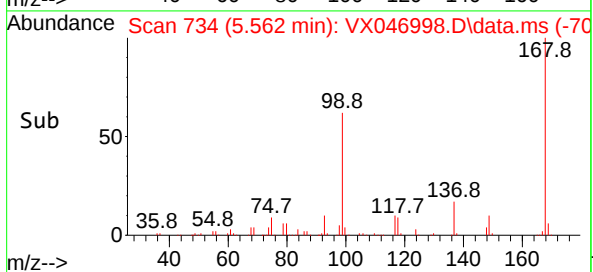
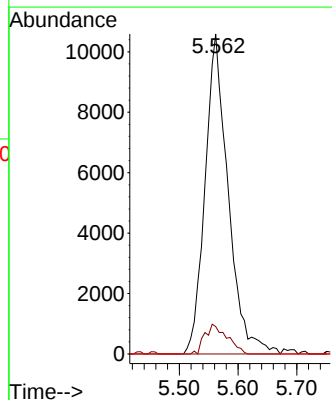
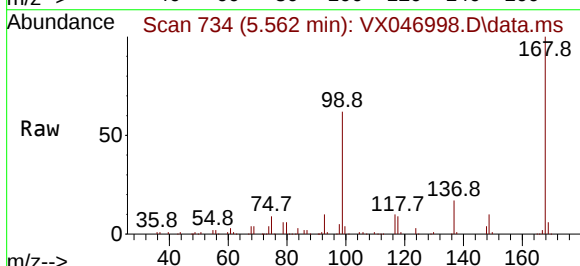
RT: 5.562 min Scan# 734

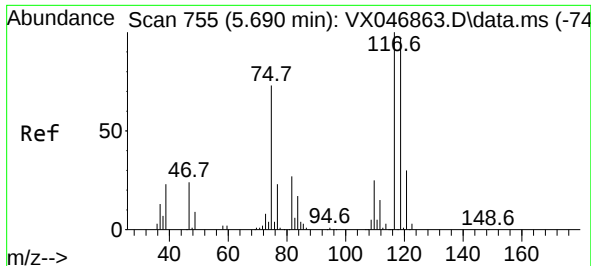
Delta R.T. -0.140 min

Lab File: VX046998.D

Acq: 15 Jul 2025 13:54

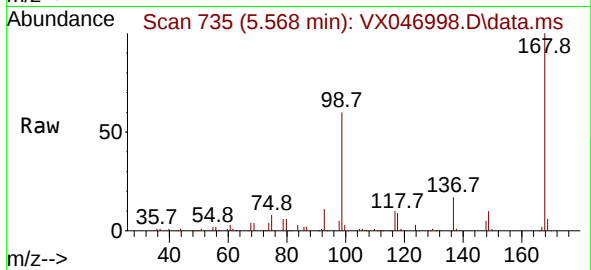
Tgt Ion:	75	Resp:	28948
Ion	Ratio	Lower	Upper
75	100		
110	9.0	17.3	51.9#
77	0.0	24.2	36.4#



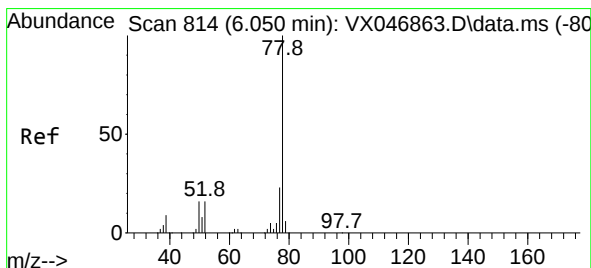
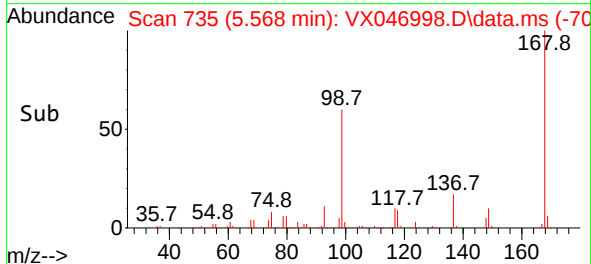
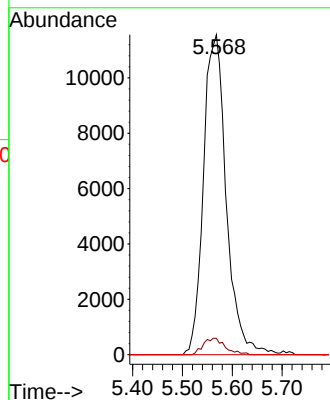


#38
Carbon Tetrachloride
Concen: 6.343 ug/l
RT: 5.568 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

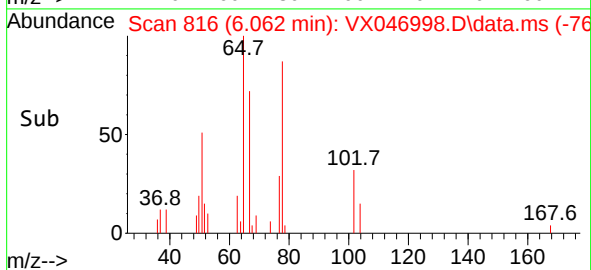
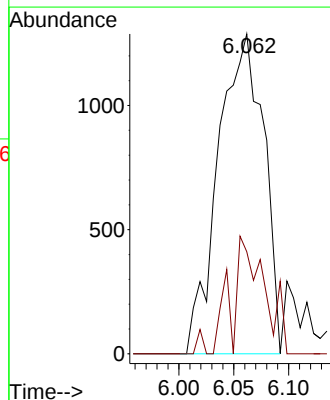
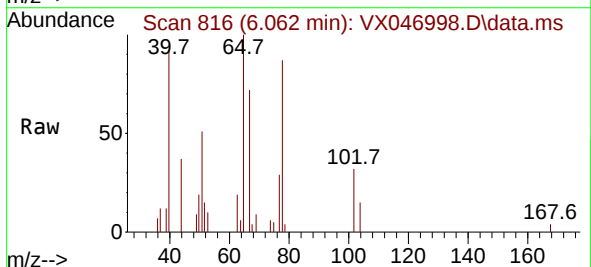


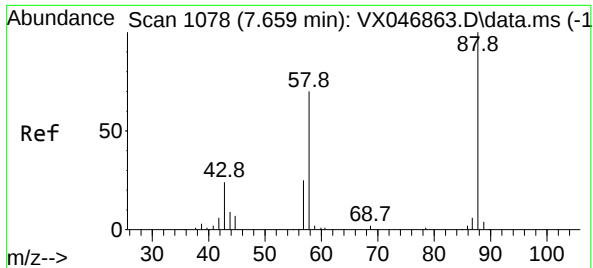
Tgt Ion:117 Resp: 36692
Ion Ratio Lower Upper
117 100
119 5.1 76.6 114.8#
121 0.0 24.1 36.1#



#40
Benzene
Concen: 0.224 ug/l
RT: 6.062 min Scan# 816
Delta R.T. 0.012 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 78 Resp: 3705
Ion Ratio Lower Upper
78 100
77 127.4 18.7 28.1#

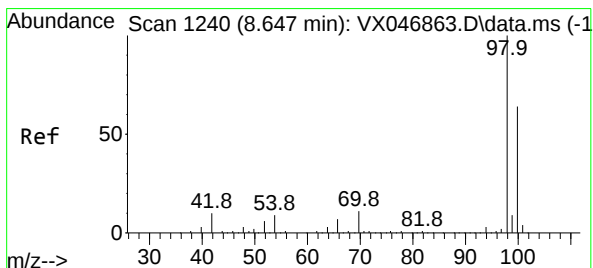
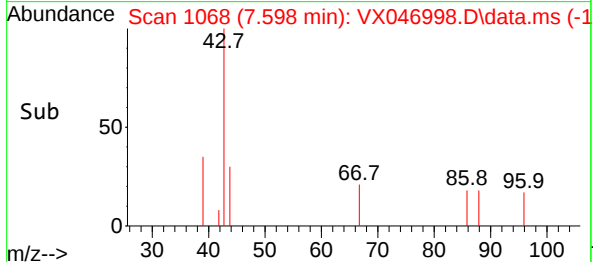
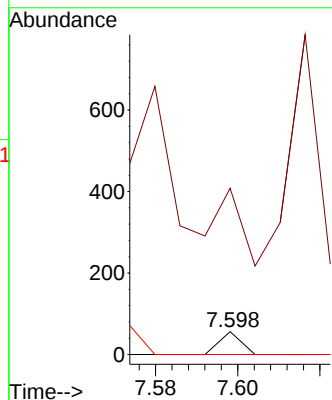
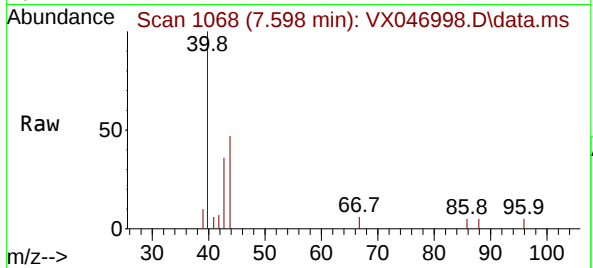




#49
1,4-Dioxane
Concen: 0.468 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.061 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

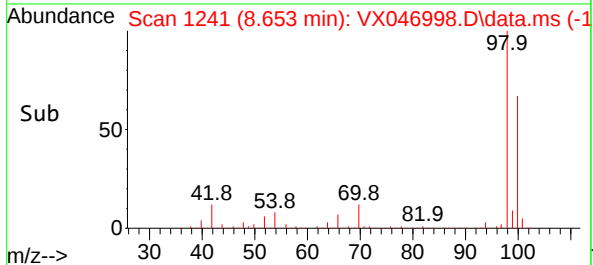
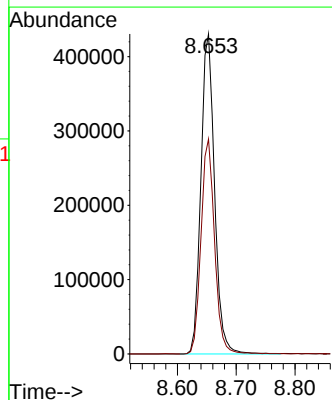
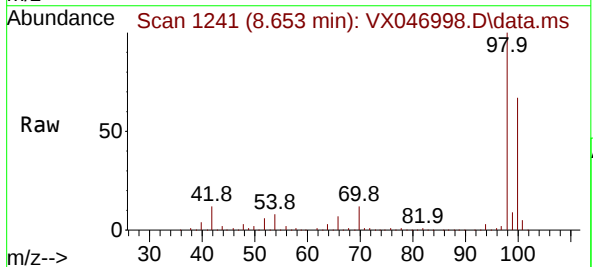
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

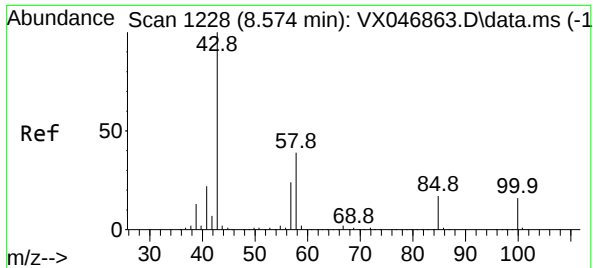
Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 3360.0 31.7 47.5#
58 0.0 57.5 86.3#



#50
Toluene-d8
Concen: 48.667 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 98 Resp: 696313
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.6

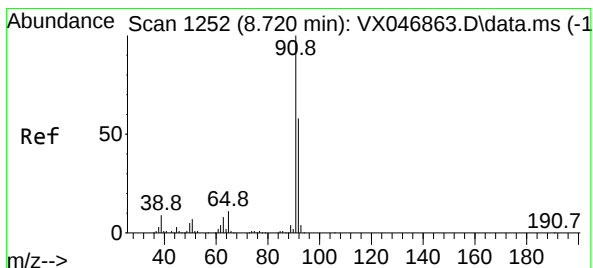
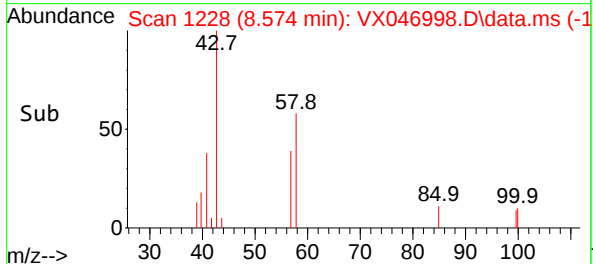
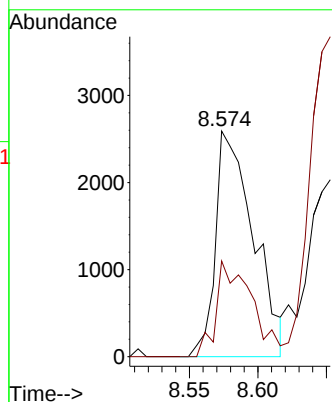
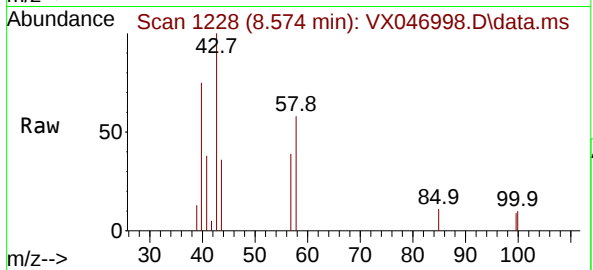




#51
4-Methyl-2-Pentanone
Concen: 1.184 ug/l
RT: 8.574 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

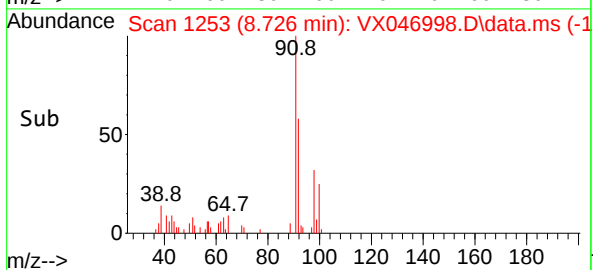
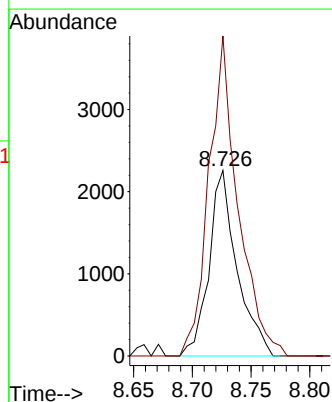
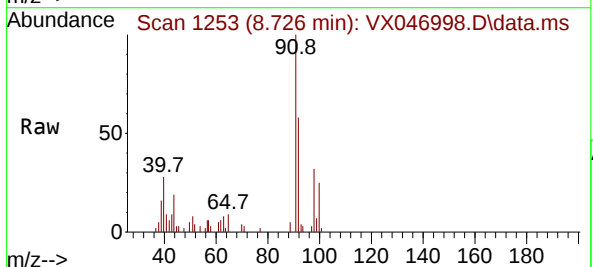
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

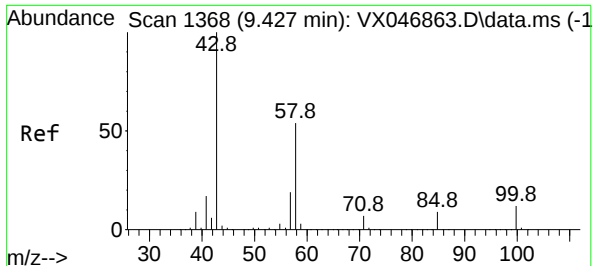
Tgt Ion: 43 Resp: 4987
Ion Ratio Lower Upper
43 100
58 39.7 30.4 45.6



#52
Toluene
Concen: 0.364 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 92 Resp: 3737
Ion Ratio Lower Upper
92 100
91 180.0 137.9 206.9





#59

2-Hexanone

Concen: 0.279 ug/l

RT: 9.464 min Scan# 11

Delta R.T. 0.036 min

Lab File: VX046998.D

Acq: 15 Jul 2025 13:54

Instrument :

MSVOA_X

ClientSampleId :

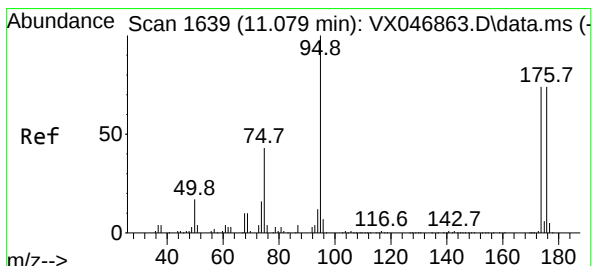
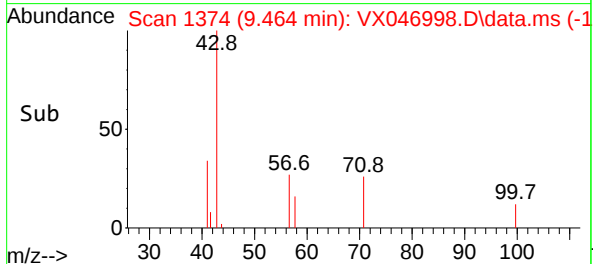
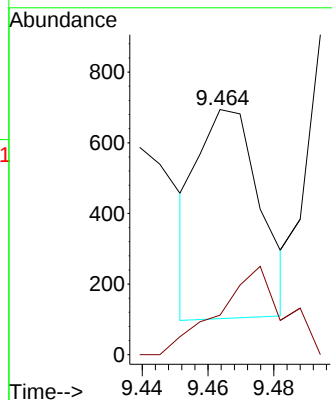
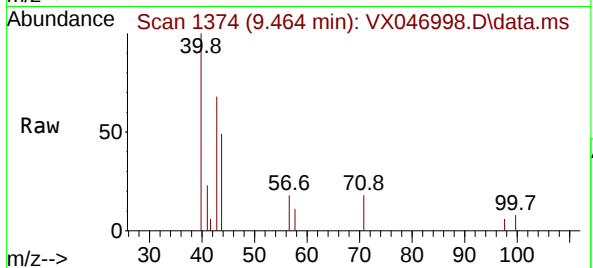
WC-A2-13-GRE

Tgt Ion: 43 Resp: 780

Ion Ratio Lower Upper

43 100

58 43.7 27.1 81.3



#62

4-Bromofluorobenzene

Concen: 52.526 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046998.D

Acq: 15 Jul 2025 13:54

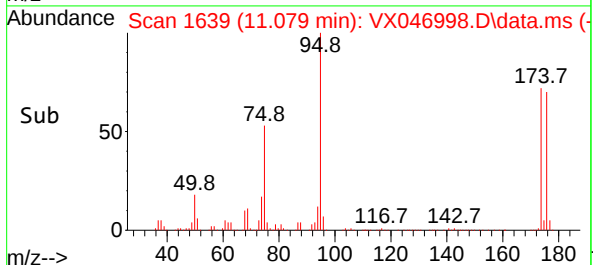
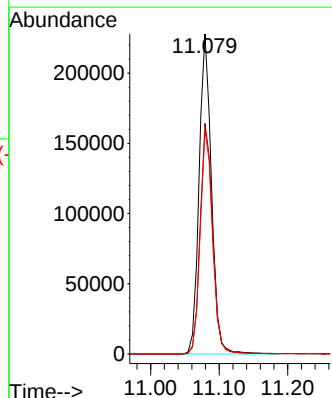
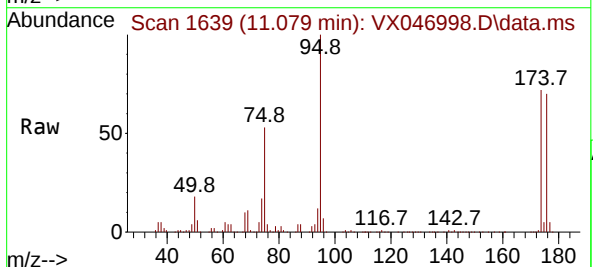
Tgt Ion: 95 Resp: 285624

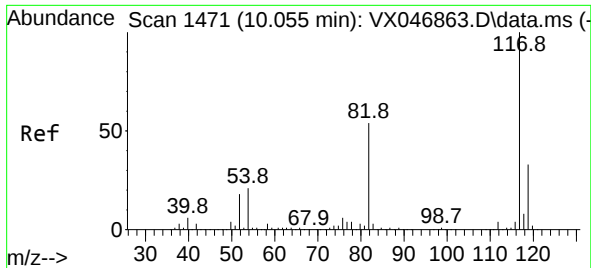
Ion Ratio Lower Upper

95 100

174 73.2 0.0 152.0

176 70.1 0.0 145.2

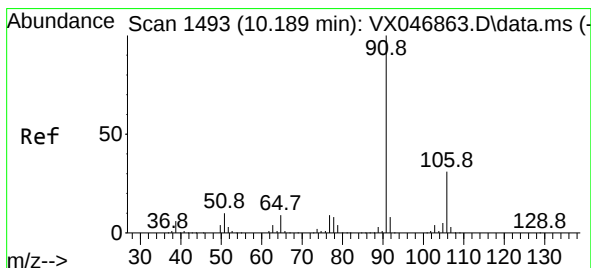
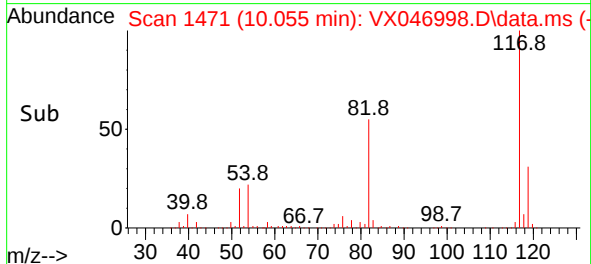
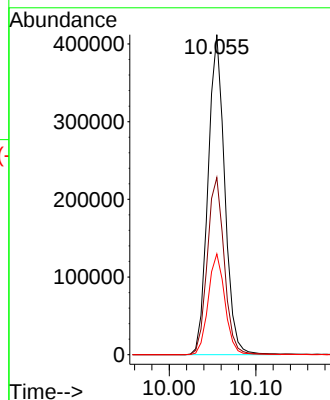
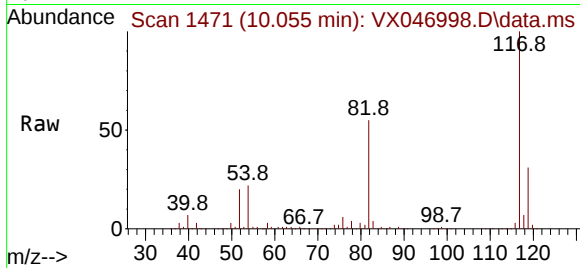




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

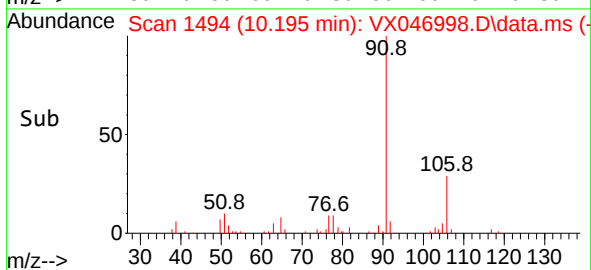
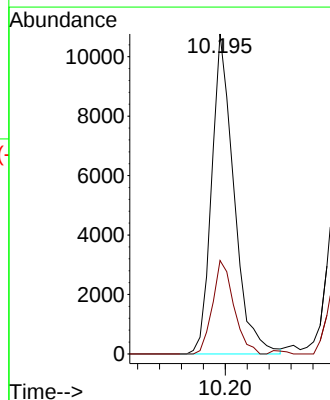
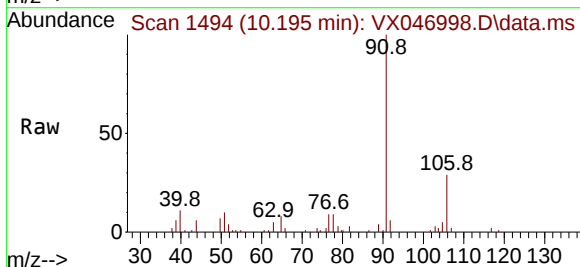
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

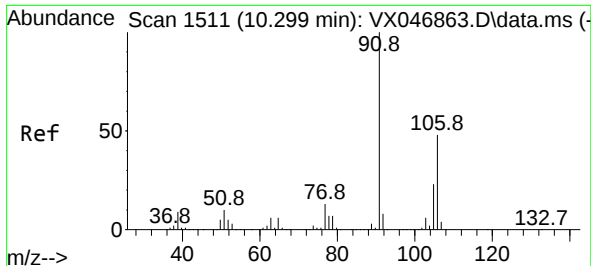
Tgt Ion:117 Resp: 550618
Ion Ratio Lower Upper
117 100
82 55.4 43.3 64.9
119 31.5 26.4 39.6



#67
Ethyl Benzene
Concen: 0.744 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 91 Resp: 15164
Ion Ratio Lower Upper
91 100
106 29.2 24.4 36.6

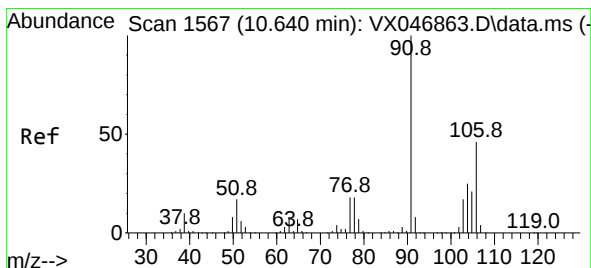
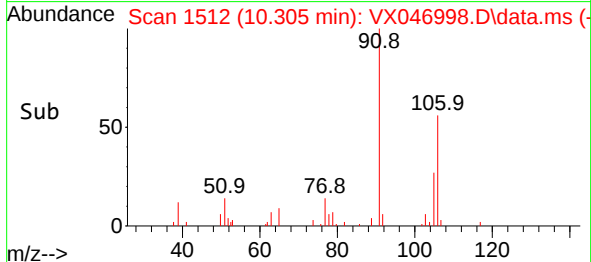
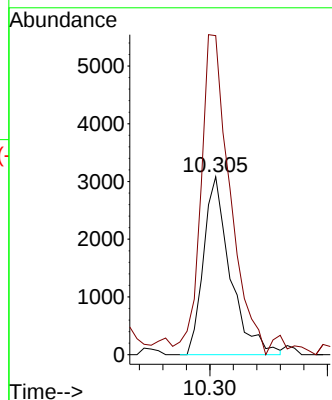
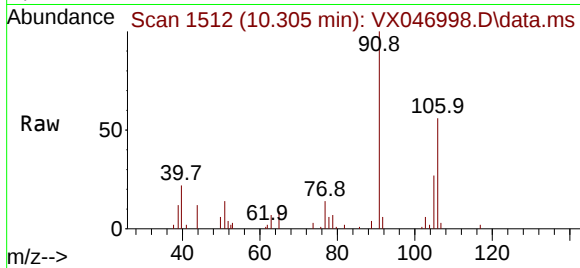




#68
m/p-Xylenes
Concen: 0.635 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

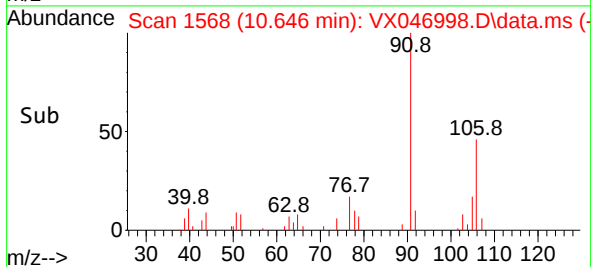
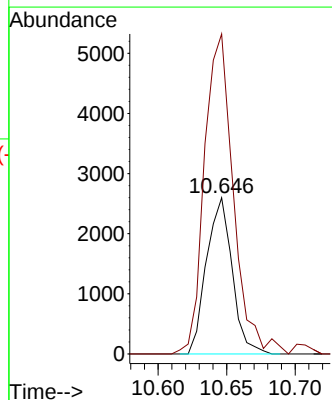
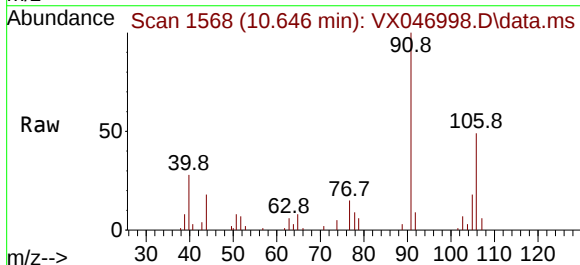
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

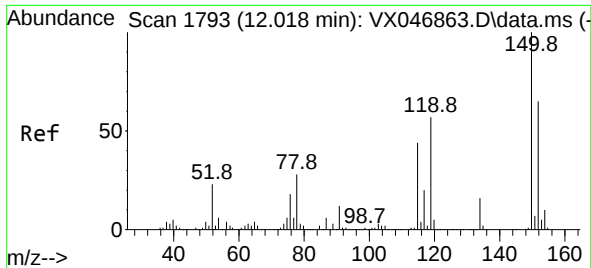
Tgt Ion:106 Resp: 4880
Ion Ratio Lower Upper
106 100
91 195.7 164.6 246.8



#69
o-Xylene
Concen: 0.455 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion:106 Resp: 3374
Ion Ratio Lower Upper
106 100
91 231.8 109.5 328.5

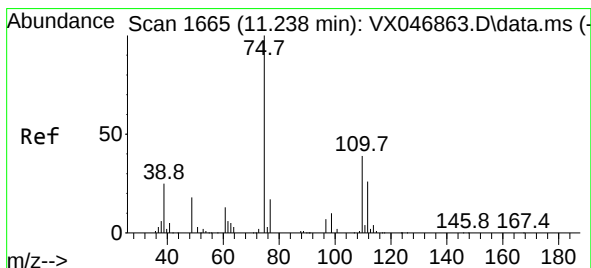
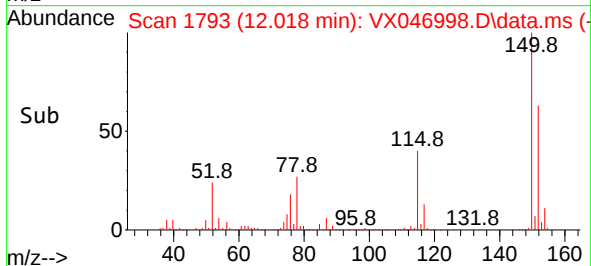
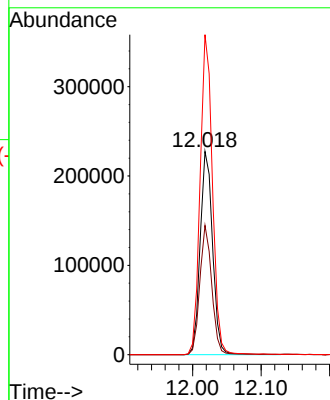
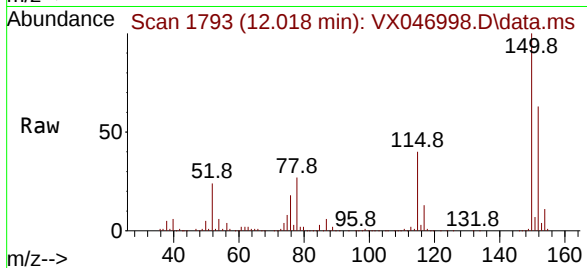




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX046998.D
 Acq: 15 Jul 2025 13:54

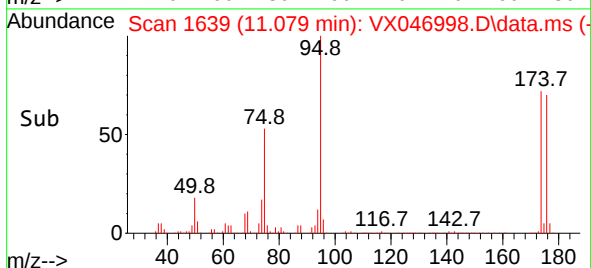
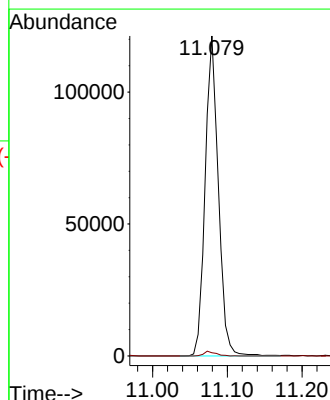
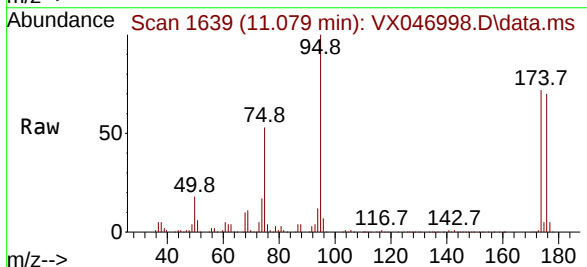
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-13-GRE

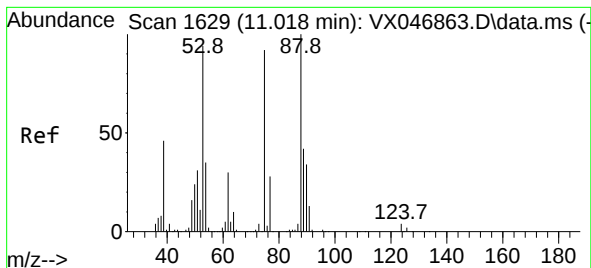
Tgt Ion:152 Resp: 287789
 Ion Ratio Lower Upper
 152 100
 115 61.6 42.4 127.1
 150 155.4 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 33.418 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX046998.D
 Acq: 15 Jul 2025 13:54

Tgt Ion: 75 Resp: 148600
 Ion Ratio Lower Upper
 75 100
 77 1.3 20.6 61.8#

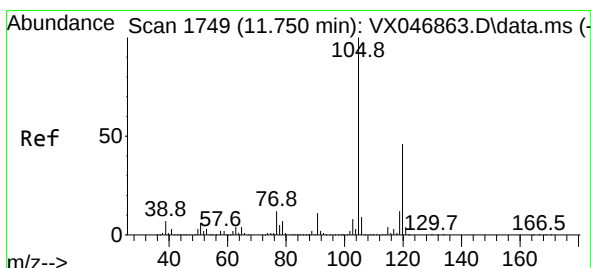
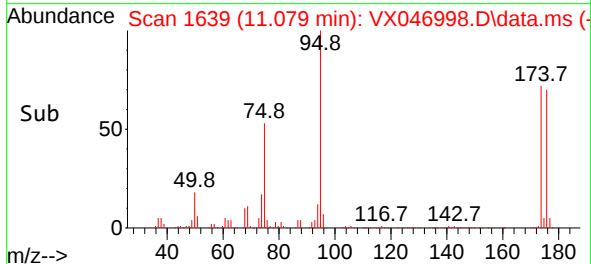
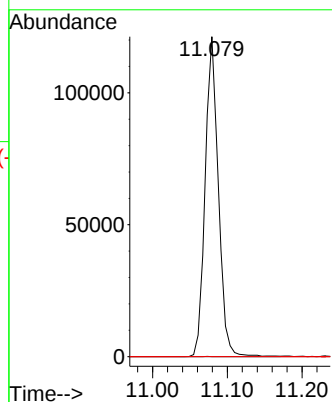
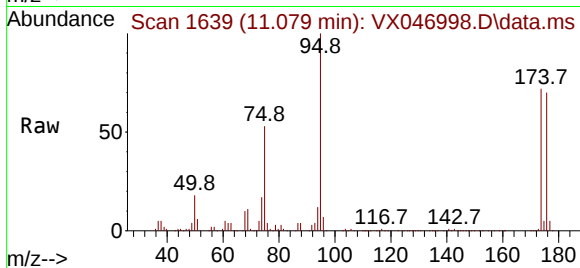




#81
trans-1,4-Dichloro-2-butene
Concen: 89.676 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

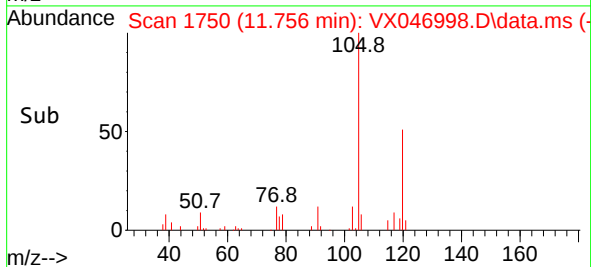
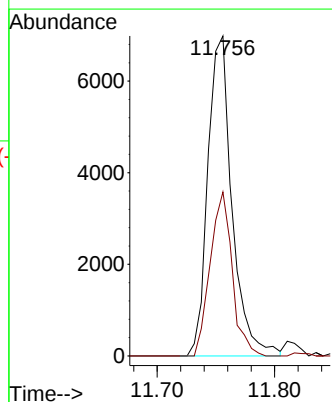
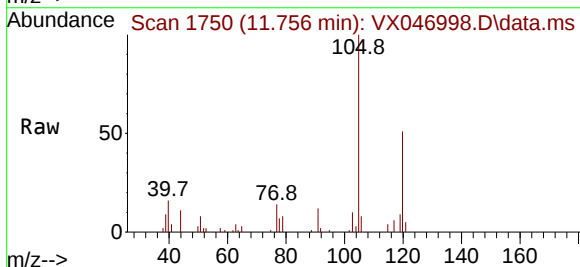
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

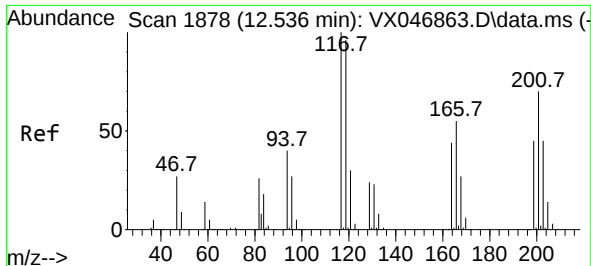
Tgt Ion: 75 Resp: 148600
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.602 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion: 105 Resp: 10002
Ion Ratio Lower Upper
105 100
120 46.6 23.3 69.8

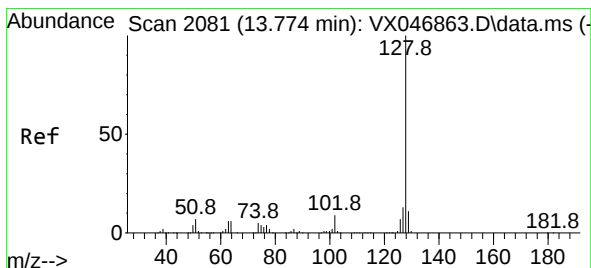
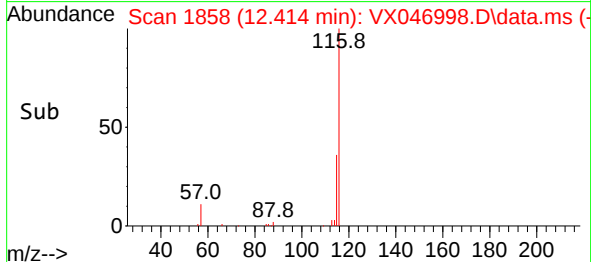
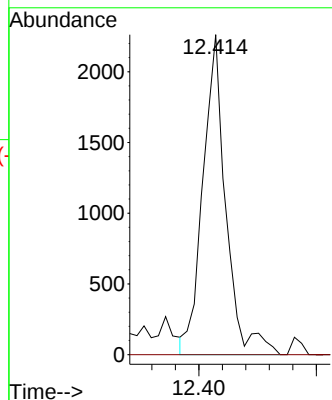
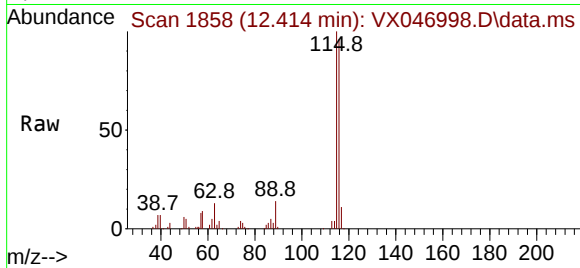




#90
Hexachloroethane
Concen: 0.962 ug/l
RT: 12.414 min Scan# 1878
Delta R.T. -0.122 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-13-GRE

Tgt Ion:117 Resp: 3058
Ion Ratio Lower Upper
117 100
201 0.0 35.8 107.4#



#95
Naphthalene
Concen: 101.431 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046998.D
Acq: 15 Jul 2025 13:54

Tgt Ion:128 Resp: 1658311
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 11.0 8.6 13.0

