

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071525\
 Data File : VX046995.D
 Acq On : 15 Jul 2025 12:51
 Operator : JC/MD
 Sample : Q2578-09RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-A2-10-GRE

Quant Time: Jul 16 02:24:46 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)

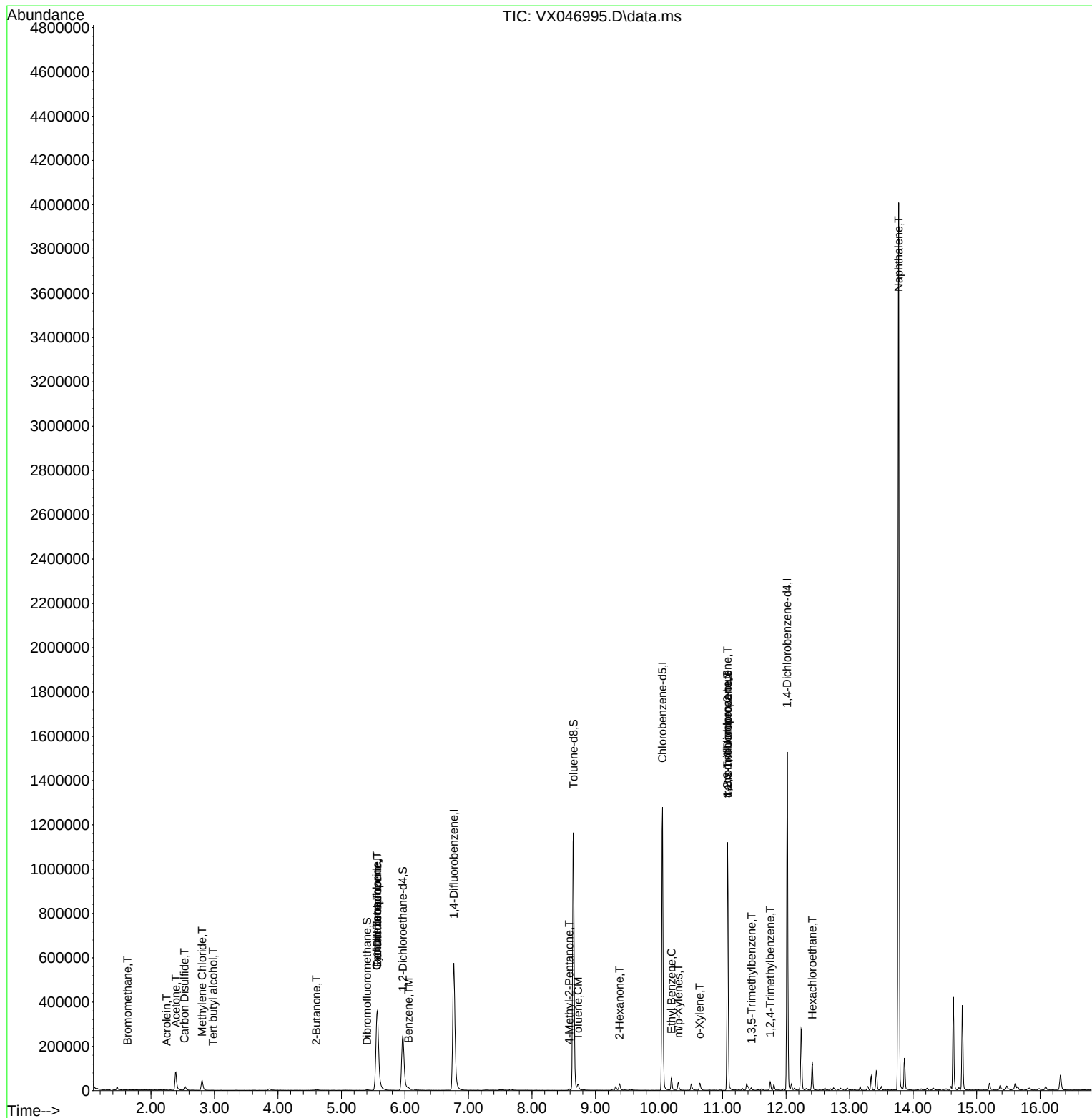
Internal Standards						
1) Pentafluorobenzene	5.562	168	369079	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	622167	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	571319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	298926	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	258363	52.988	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.980%			
35) Dibromofluoromethane	5.403	113	2571	0.609	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 1.220%#			
50) Toluene-d8	8.653	98	727182	48.802	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.600%			
62) 4-Bromofluorobenzene	11.079	95	301031	53.157	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.320%			
Target Compounds					Qvalue	
5) Bromomethane	1.630	94	685	0.254	ug/l #	2
11) Tert butyl alcohol	2.977	59	353	1.104	ug/l #	72
13) Acrolein	2.245	56	20	2.891	ug/l #	1
16) Acetone	2.392	43	104732	69.150	ug/l	95
17) Carbon Disulfide	2.526	76	3645	0.347	ug/l #	91
20) Methylene Chloride	2.806	84	21741	4.854	ug/l	94
25) 2-Butanone	4.605	43	5501	2.722	ug/l #	84
31) Cyclohexane	5.556	56	8010	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	29557	5.187	ug/l #	44
38) Carbon Tetrachloride	5.556	117	38898	6.457	ug/l #	15
40) Benzene	6.056	78	9431	0.547	ug/l	94
51) 4-Methyl-2-Pentanone	8.586	43	4686	1.068	ug/l	97
52) Toluene	8.726	92	10375	0.971	ug/l	94
59) 2-Hexanone	9.378	43	22942	7.884	ug/l #	24
67) Ethyl Benzene	10.195	91	33490	1.583	ug/l	99
68) m/p-Xylenes	10.305	106	8836	1.109	ug/l	94
69) o-Xylene	10.640	106	6838	0.888	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	154136	33.371	ug/l #	36
80) 1,3,5-Trimethylbenzene	11.457	105	5154	0.302	ug/l	98
81) trans-1,4-Dichloro-2-b...	11.079	75	154136	89.552	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.750	105	17453	1.011	ug/l	100
90) Hexachloroethane	12.414	117	5245	1.589	ug/l #	14
95) Naphthalene	13.774	128	2397245	141.166	ug/l	100

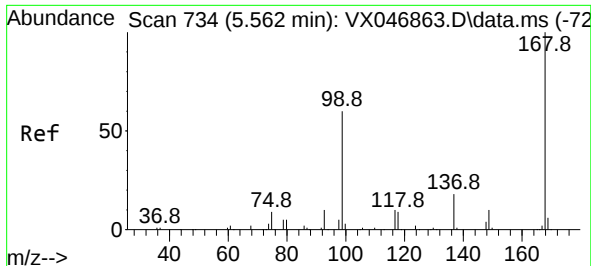
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jul 03 05:51:11 2025
Response via : Initial Calibration

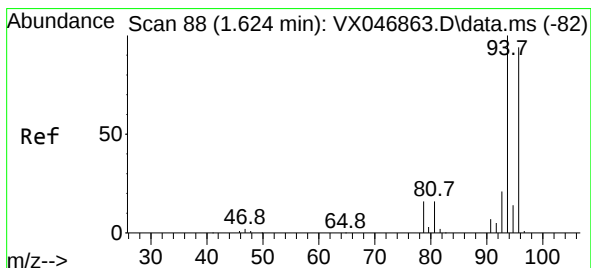
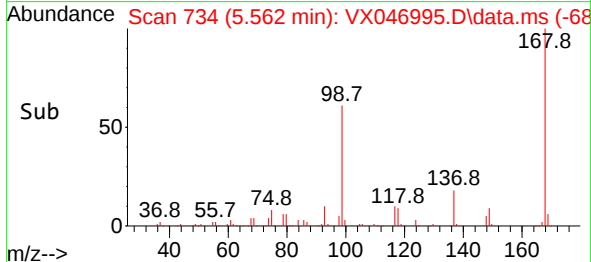
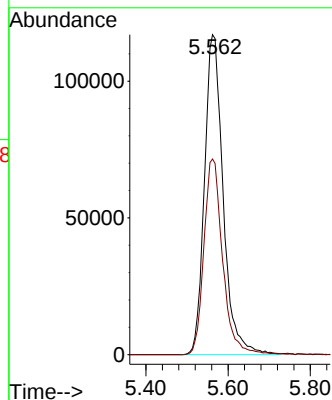
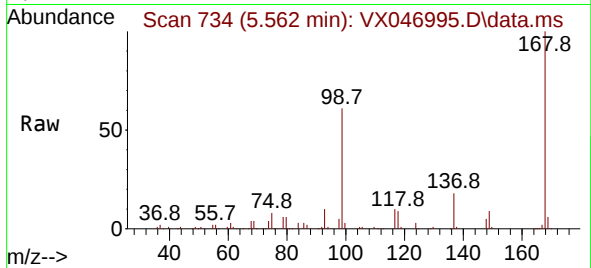




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

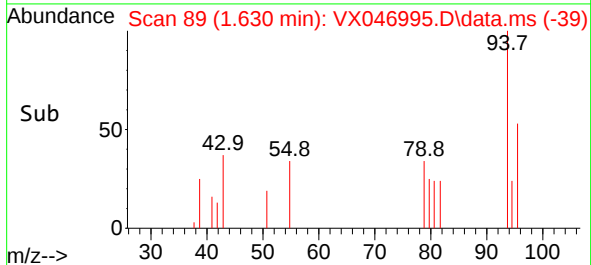
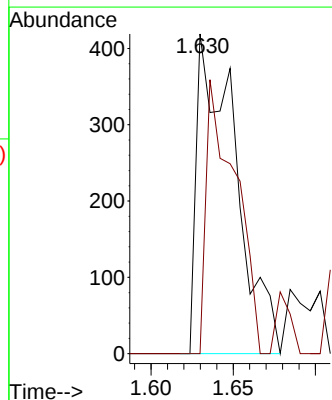
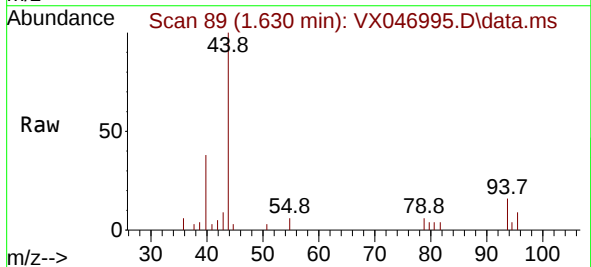
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE

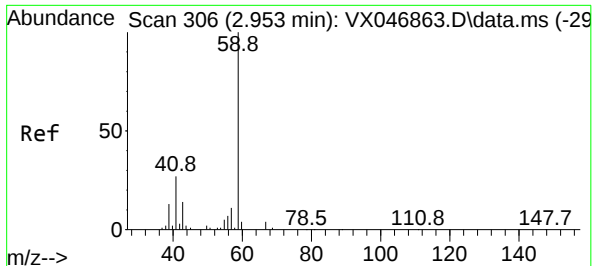
Tgt Ion:168 Resp: 369079
Ion Ratio Lower Upper
168 100
99 61.2 48.8 73.2



#5
Bromomethane
Concen: 0.254 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 94 Resp: 685
Ion Ratio Lower Upper
94 100
96 0.0 75.5 113.3#





#11

Tert butyl alcohol

Concen: 1.104 ug/l

RT: 2.977 min Scan# 310

Delta R.T. 0.024 min

Lab File: VX046995.D

Acq: 15 Jul 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

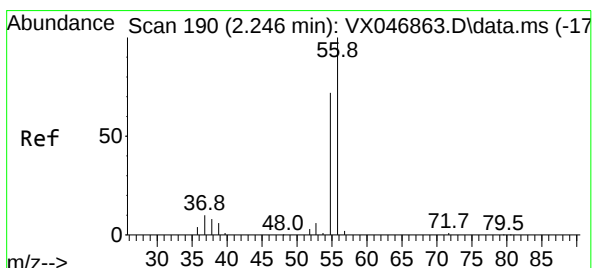
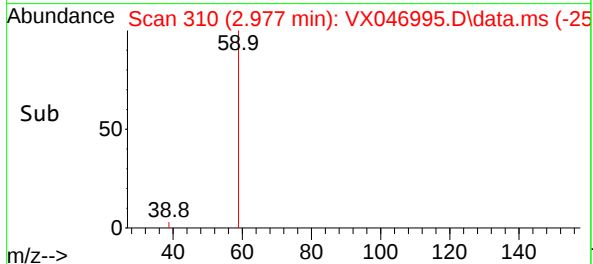
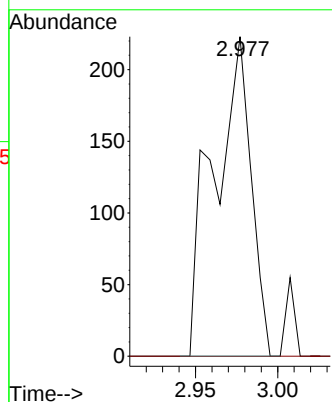
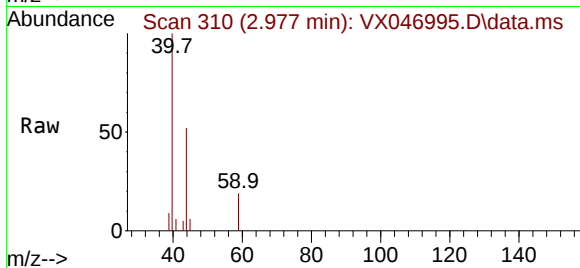
WC-A2-10-GRE

Tgt Ion: 59 Resp: 353

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 2.891 ug/l

RT: 2.245 min Scan# 190

Delta R.T. -0.001 min

Lab File: VX046995.D

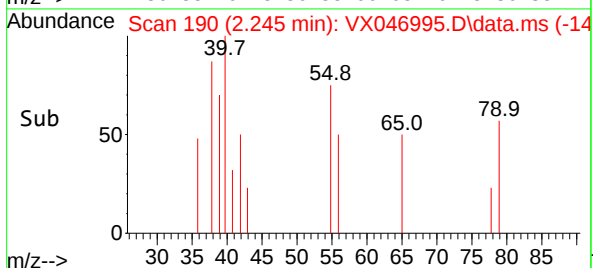
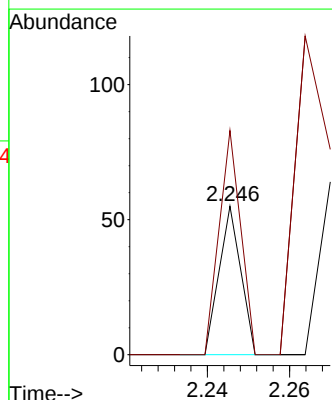
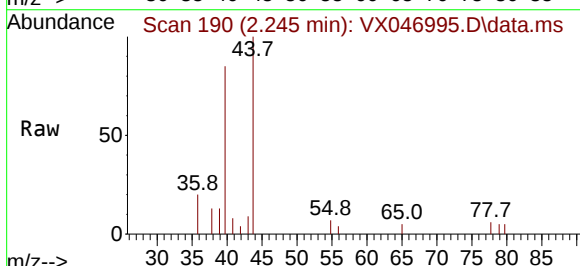
Acq: 15 Jul 2025 12:51

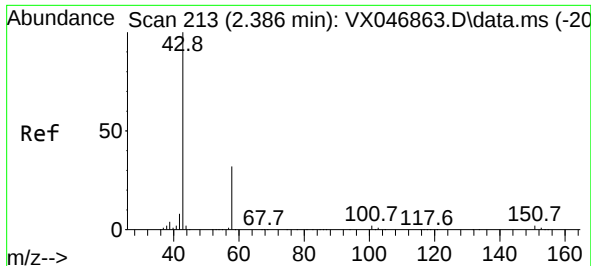
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 150.0 55.5 83.3#

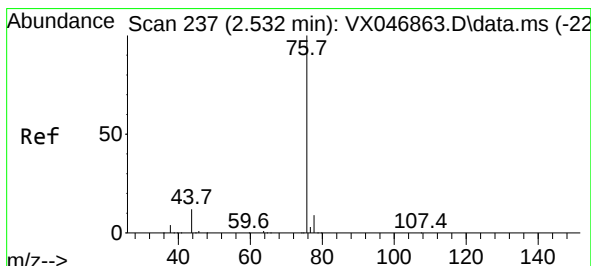
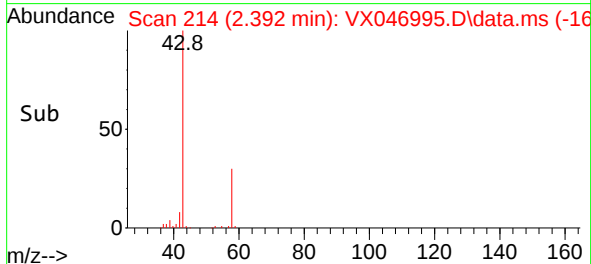
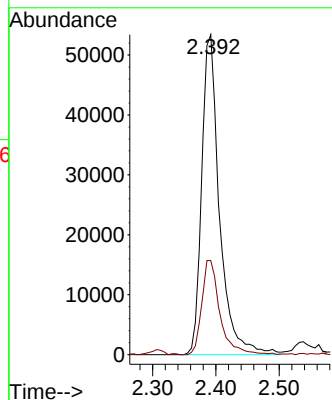
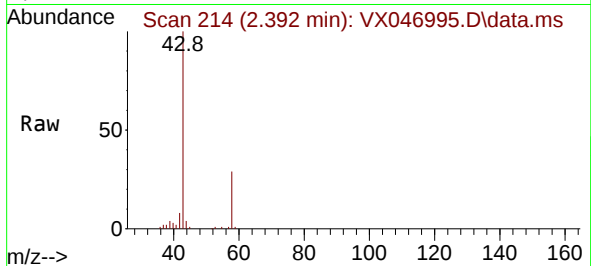




#16
Acetone
Concen: 69.150 ug/l
RT: 2.392 min Scan# 213
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

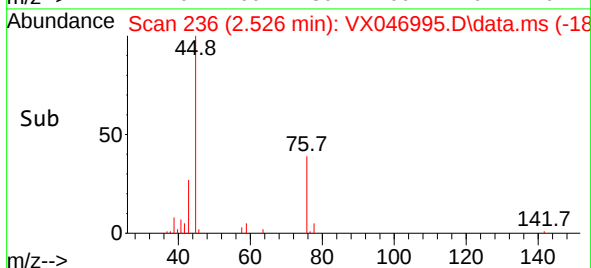
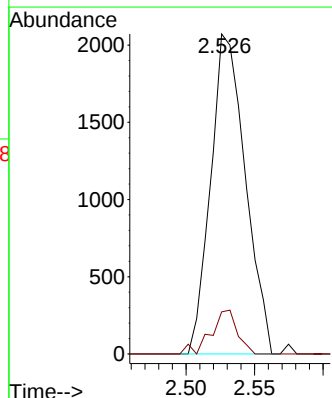
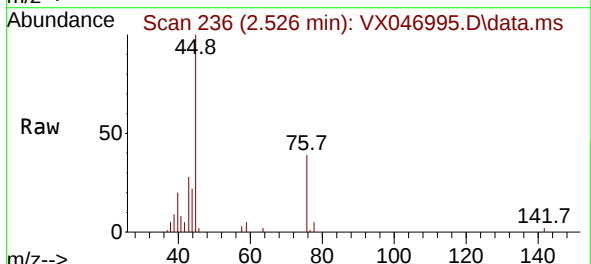
Instrument :
MSVOA_X
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WC-A2-10-GRE

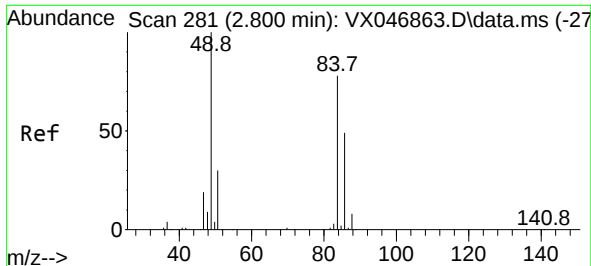
Tgt Ion: 43 Resp: 104732
Ion Ratio Lower Upper
43 100
58 29.4 25.8 38.6



#17
Carbon Disulfide
Concen: 0.347 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 76 Resp: 3645
Ion Ratio Lower Upper
76 100
78 12.8 7.4 11.2#

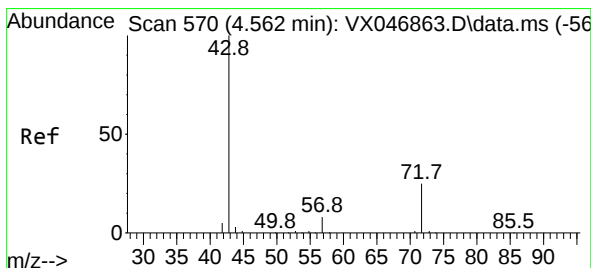
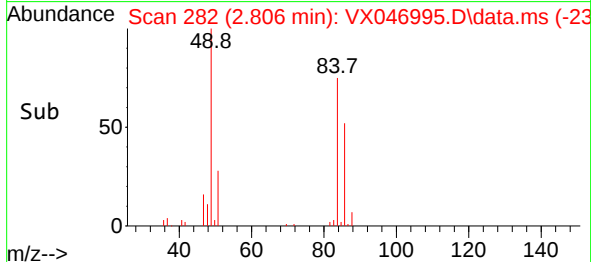
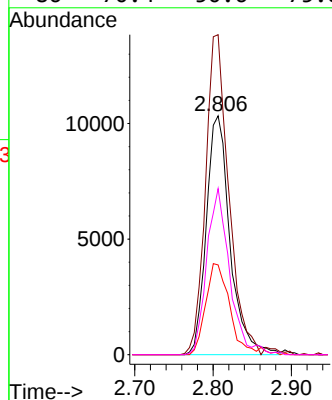
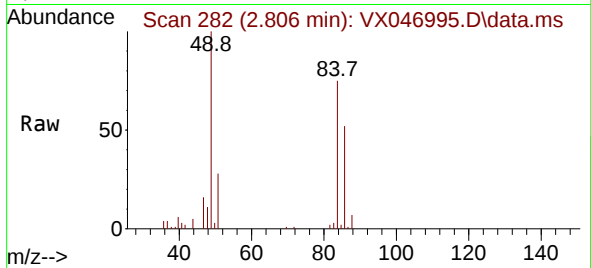




#20
Methylene Chloride
Concen: 4.854 ug/l
RT: 2.806 min Scan# 21741
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

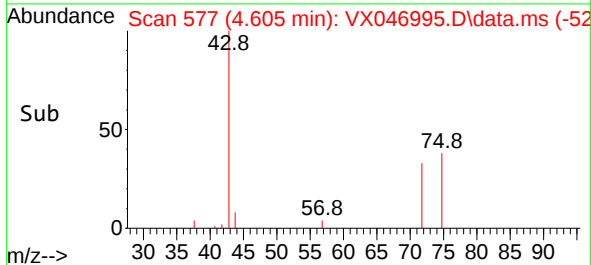
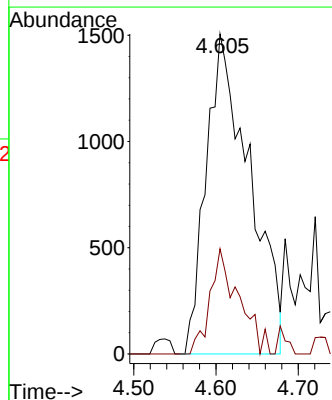
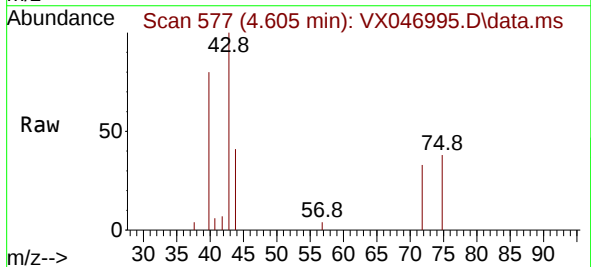
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE

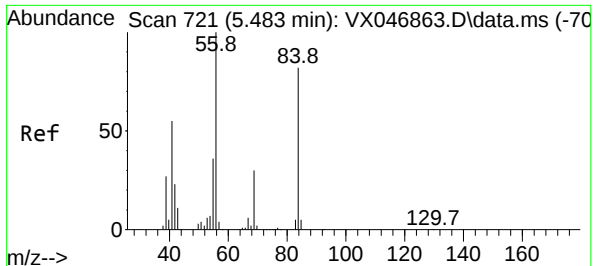
Tgt Ion:	84	Resp:	21741
Ion	Ratio	Lower	Upper
84	100		
49	134.0	102.8	154.2
51	37.6	31.1	46.7
86	70.4	50.6	75.8



#25
2-Butanone
Concen: 2.722 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.043 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion:	43	Resp:	5501
Ion	Ratio	Lower	Upper
43	100		
72	32.9	20.0	30.0

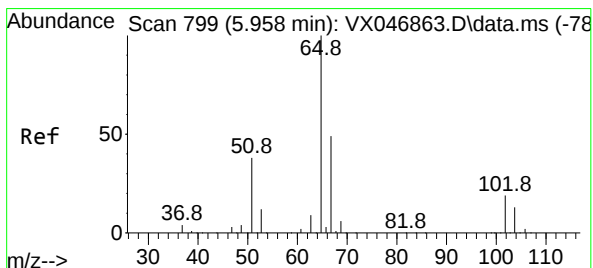
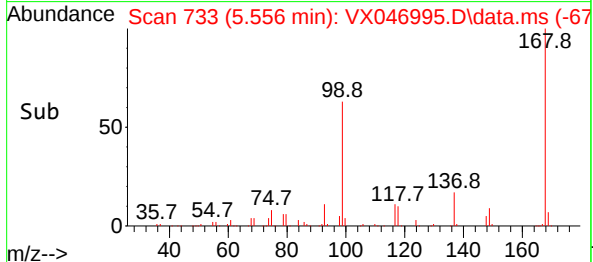
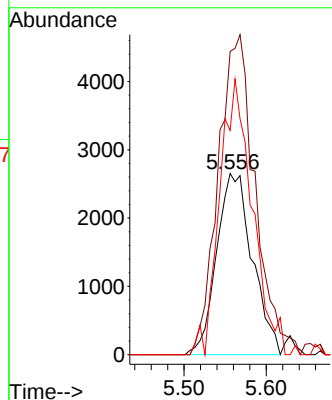
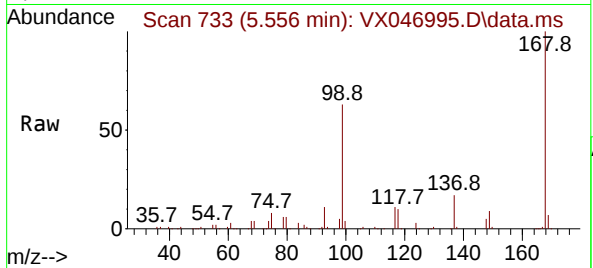




#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.073 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

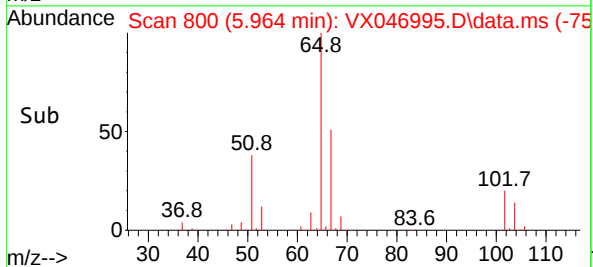
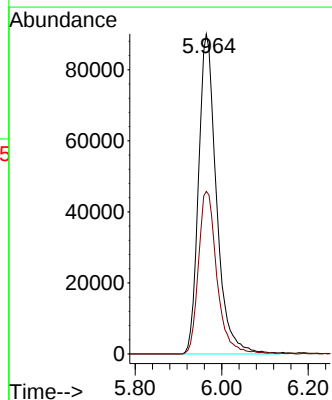
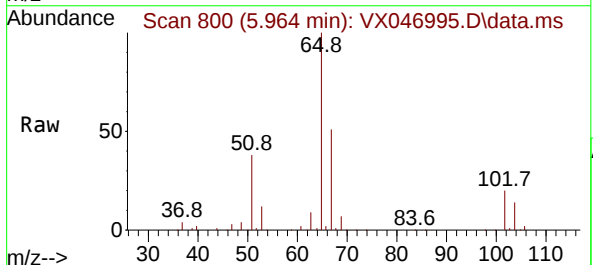
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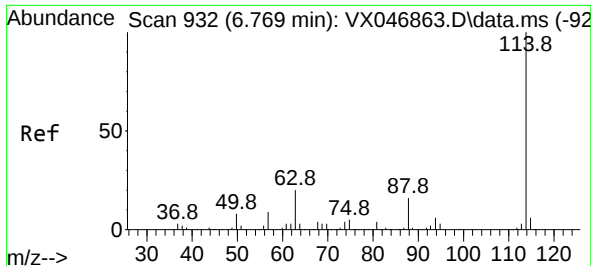
Tgt Ion: 56 Resp: 8010
Ion Ratio Lower Upper
56 100
69 167.5 24.0 36.0#
84 123.8 66.5 99.7#



#33
1,2-Dichloroethane-d4
Concen: 52.988 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 65 Resp: 258363
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.2

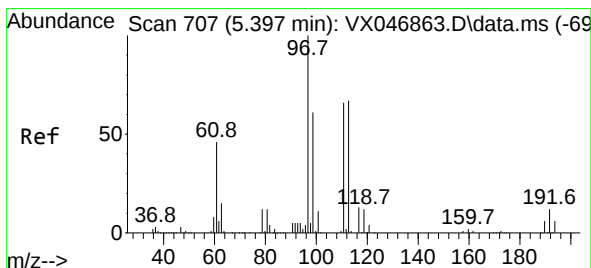
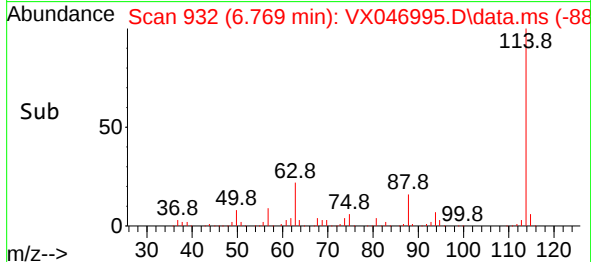
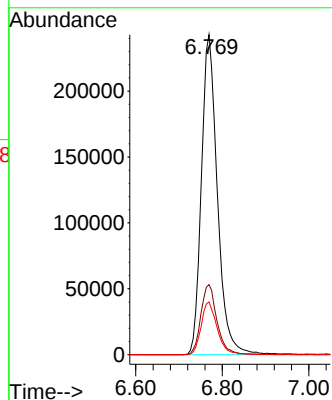
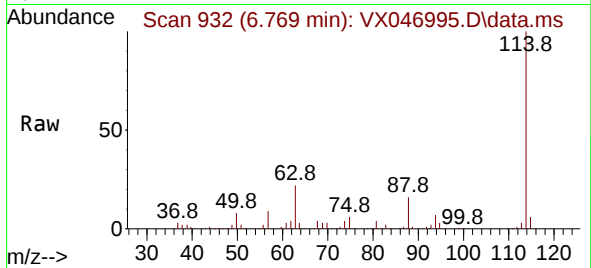




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

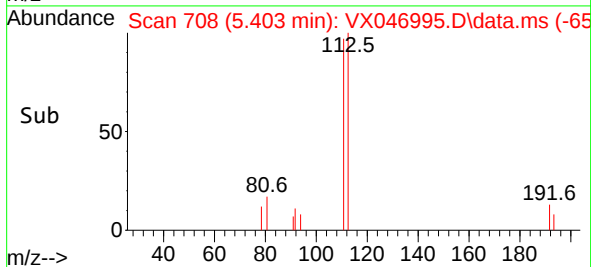
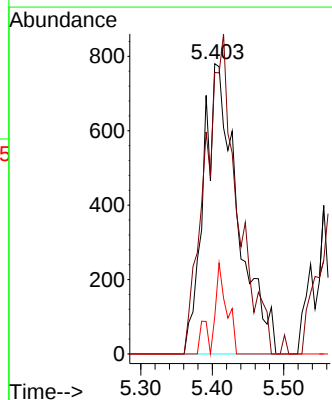
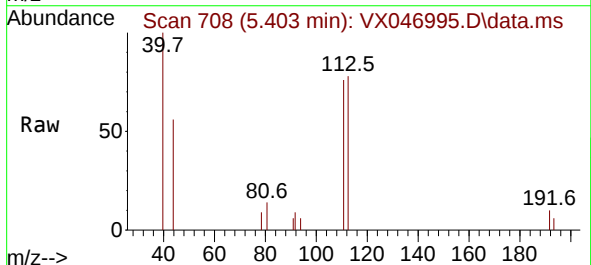
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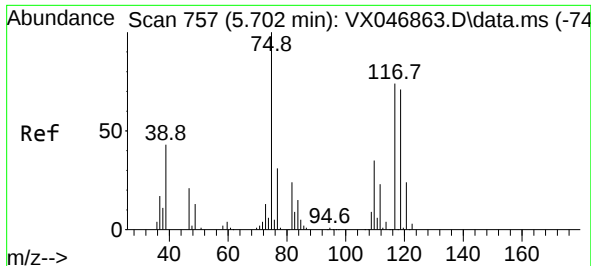
Tgt Ion:114 Resp: 622167
Ion Ratio Lower Upper
114 100
63 24.7 0.0 40.4
88 16.5 0.0 31.0



#35
Dibromofluoromethane
Concen: 0.609 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion:113 Resp: 2571
Ion Ratio Lower Upper
113 100
111 104.7 81.2 121.8
192 12.6 15.3 22.9#

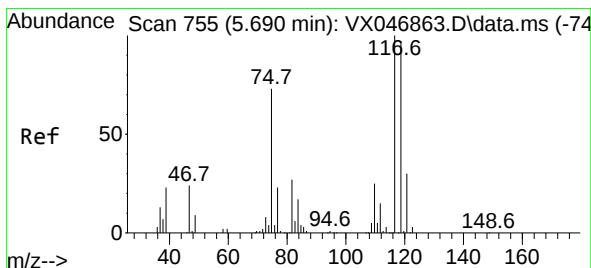
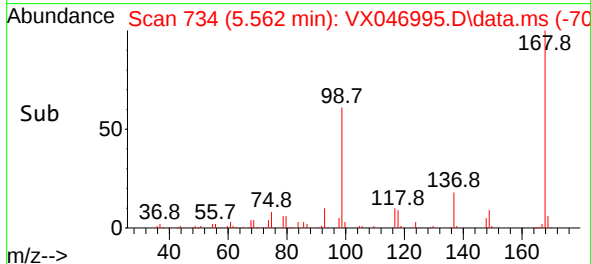
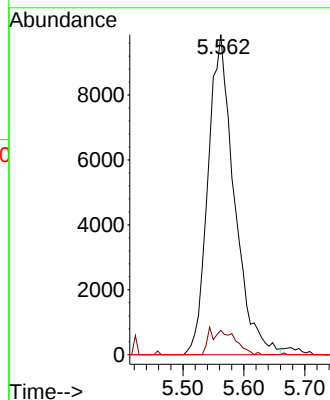
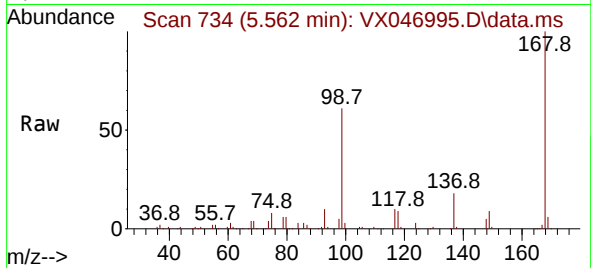




#36
1,1-Dichloropropene
Concen: 5.187 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

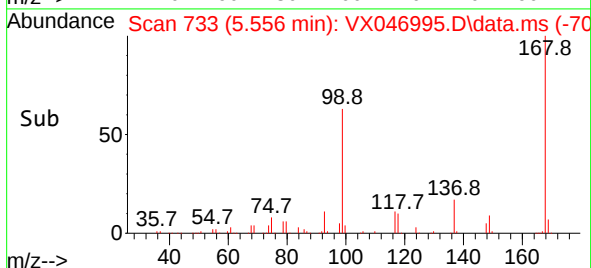
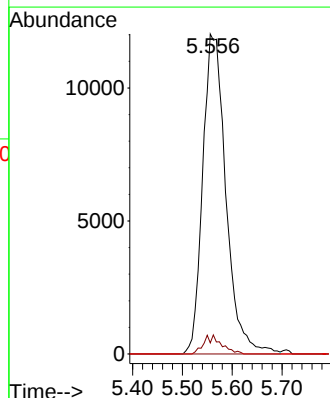
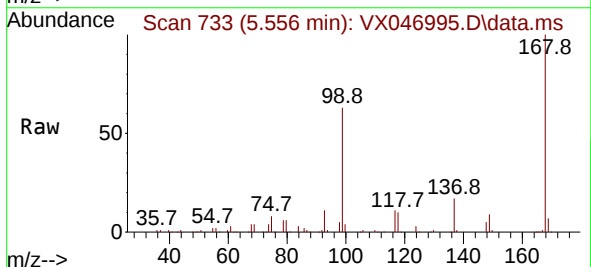
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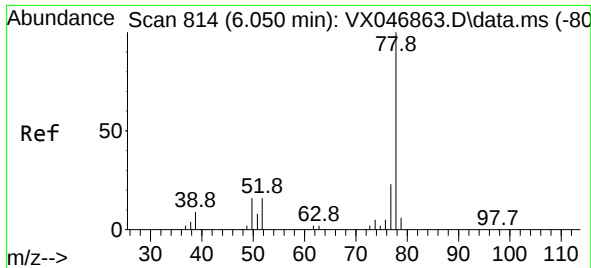
Tgt Ion: 75 Resp: 29557
Ion Ratio Lower Upper
75 100
110 2.0 17.3 51.9#
77 0.0 24.2 36.4#



#38
Carbon Tetrachloride
Concen: 6.457 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 117 Resp: 38898
Ion Ratio Lower Upper
117 100
119 3.5 76.6 114.8#
121 0.0 24.1 36.1#

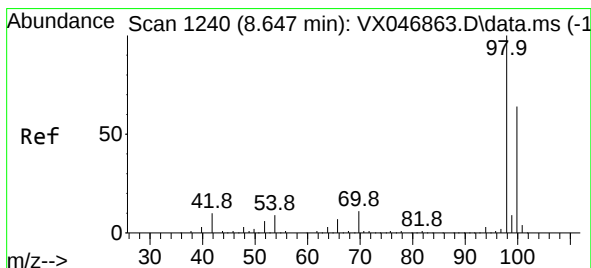
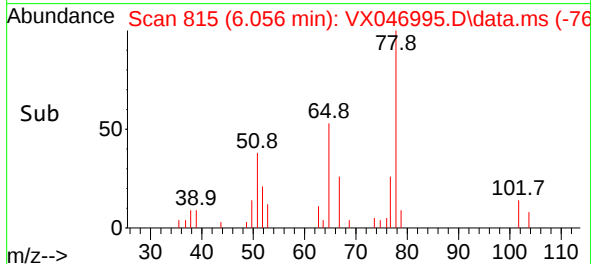
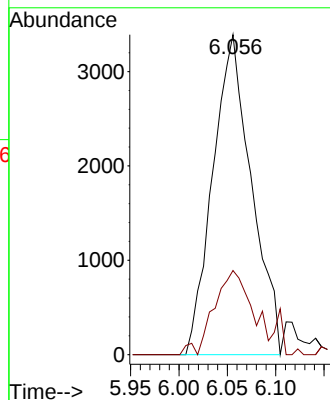
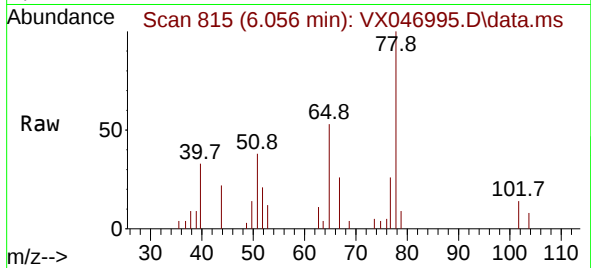




#40
Benzene
Concen: 0.547 ug/l
RT: 6.056 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

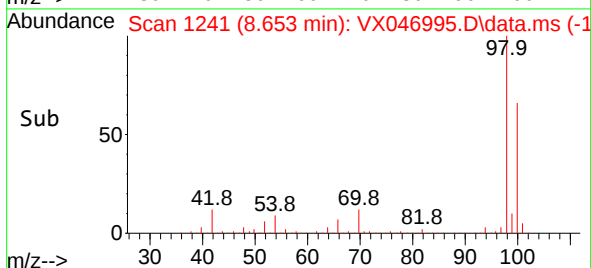
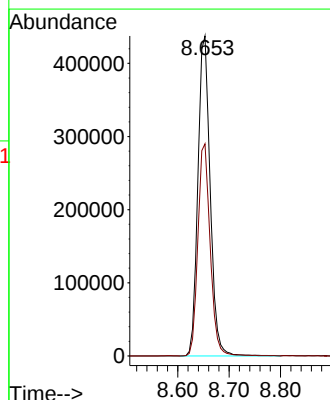
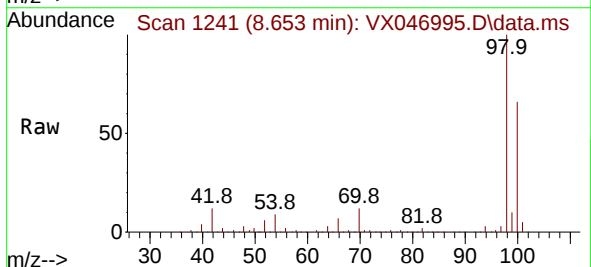
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE

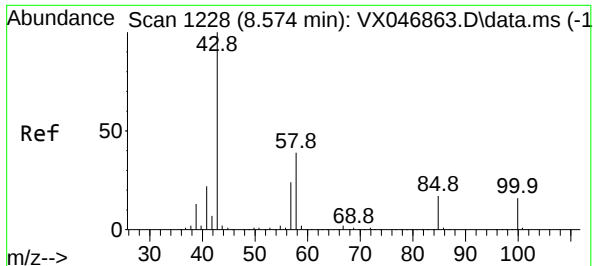
Tgt Ion: 78 Resp: 9431
Ion Ratio Lower Upper
78 100
77 26.3 18.7 28.1



#50
Toluene-d8
Concen: 48.802 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 98 Resp: 727182
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.6

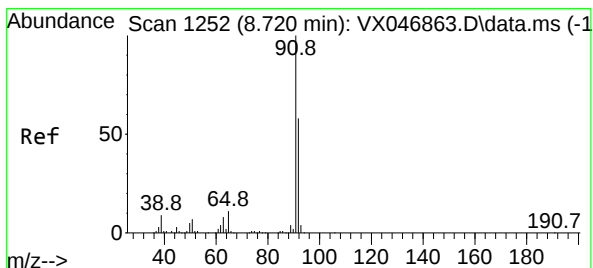
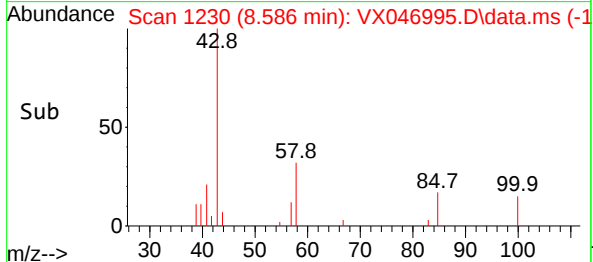
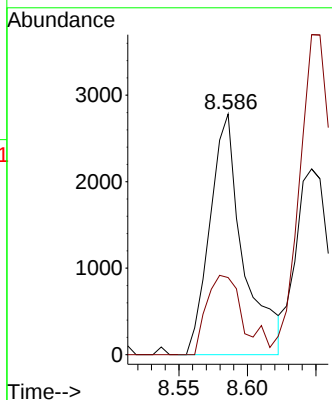
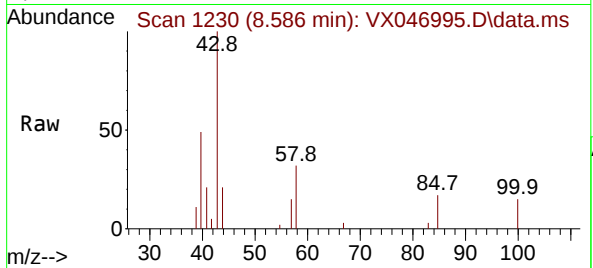




#51
4-Methyl-2-Pentanone
Concen: 1.068 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

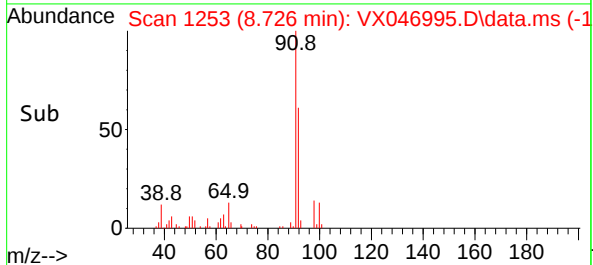
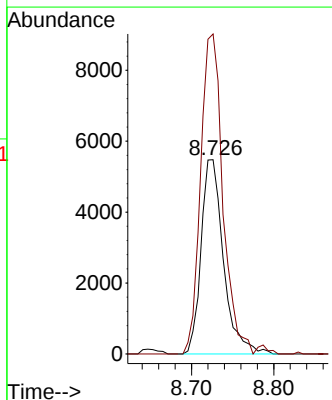
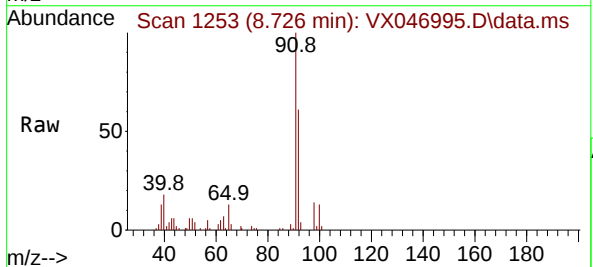
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE

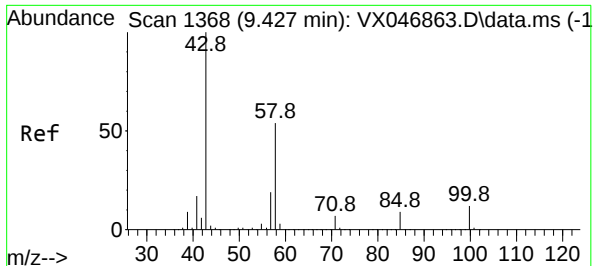
Tgt Ion: 43 Resp: 4686
Ion Ratio Lower Upper
43 100
58 36.4 30.4 45.6



#52
Toluene
Concen: 0.971 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 92 Resp: 10375
Ion Ratio Lower Upper
92 100
91 163.5 137.9 206.9





#59

2-Hexanone

Concen: 7.884 ug/l

RT: 9.378 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX046995.D

Acq: 15 Jul 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

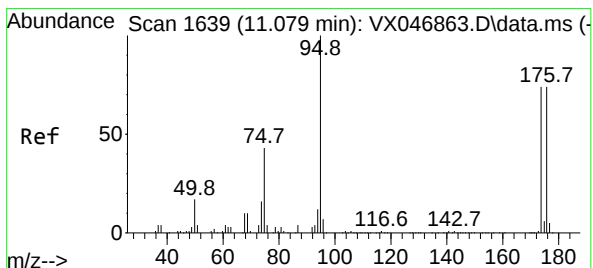
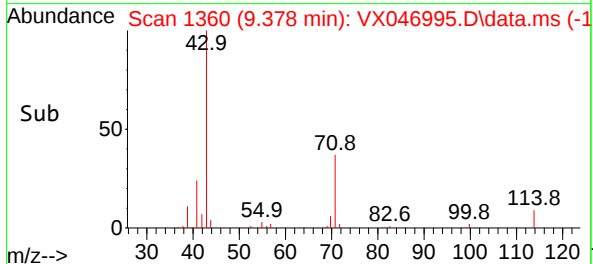
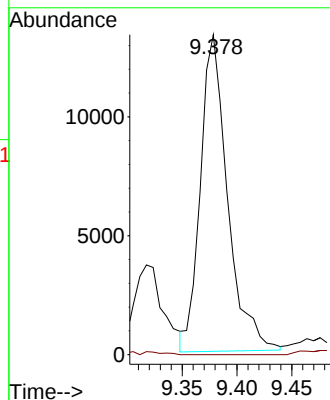
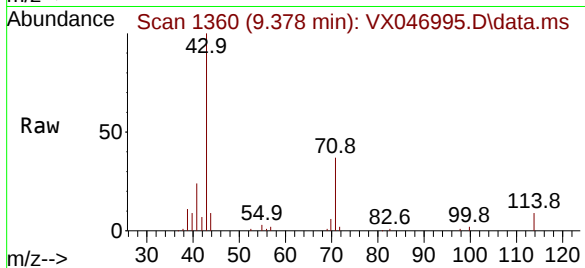
WC-A2-10-GRE

Tgt Ion: 43 Resp: 22942

Ion Ratio Lower Upper

43 100

58 0.0 27.1 81.3#



#62

4-Bromofluorobenzene

Concen: 53.157 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046995.D

Acq: 15 Jul 2025 12:51

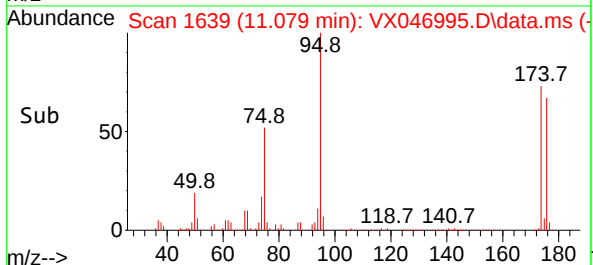
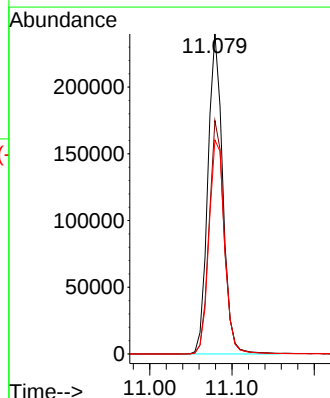
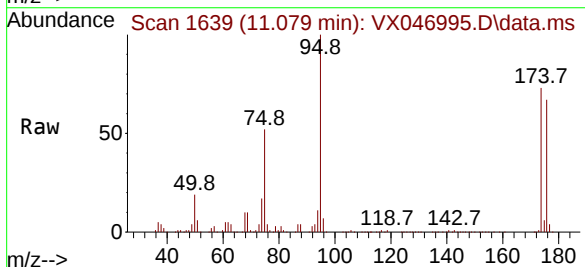
Tgt Ion: 95 Resp: 301031

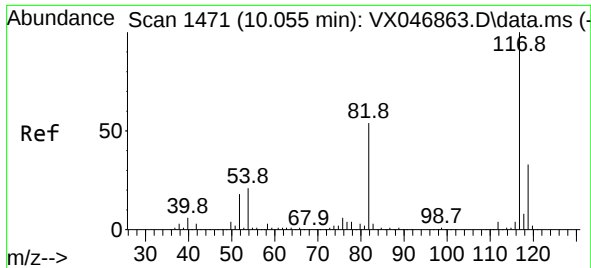
Ion Ratio Lower Upper

95 100

174 73.4 0.0 152.0

176 70.4 0.0 145.2

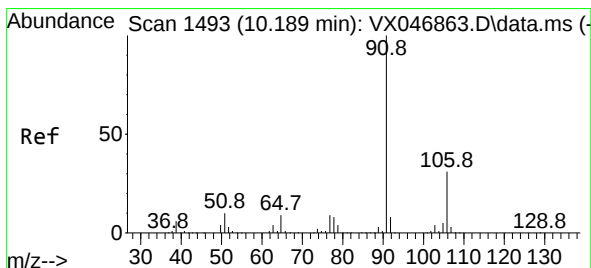
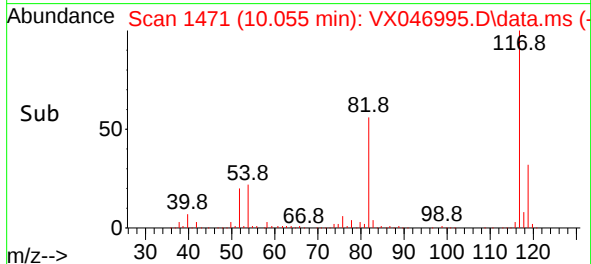
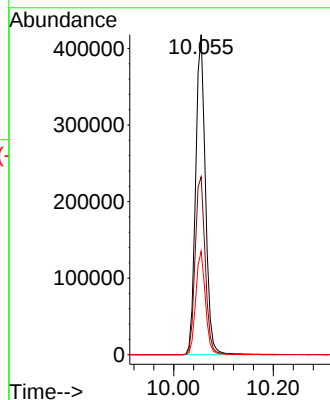
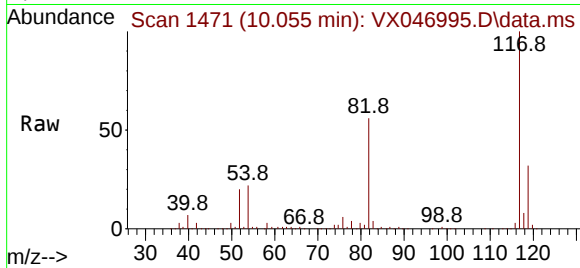




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

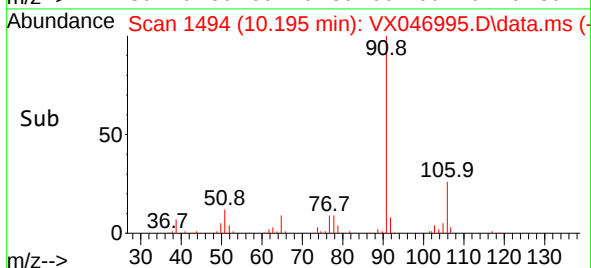
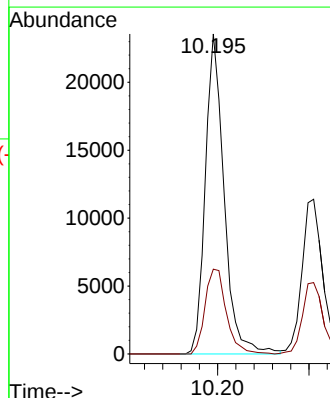
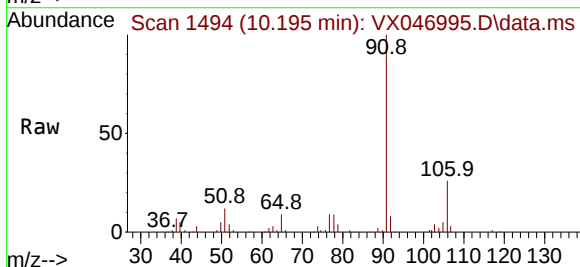
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE

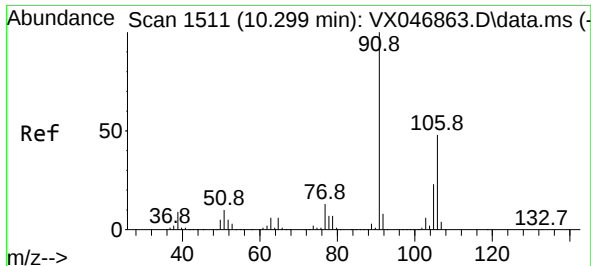
Tgt Ion:117 Resp: 571319
Ion Ratio Lower Upper
117 100
82 55.6 43.3 64.9
119 32.3 26.4 39.6



#67
Ethyl Benzene
Concen: 1.583 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 91 Resp: 33490
Ion Ratio Lower Upper
91 100
106 29.8 24.4 36.6

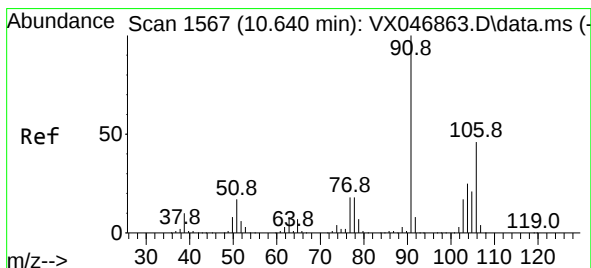
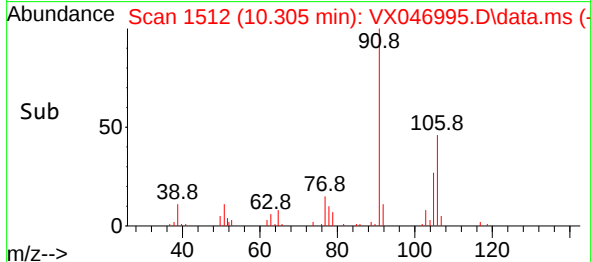
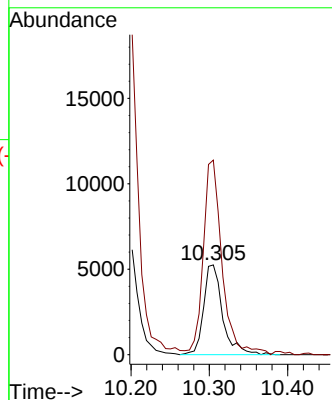
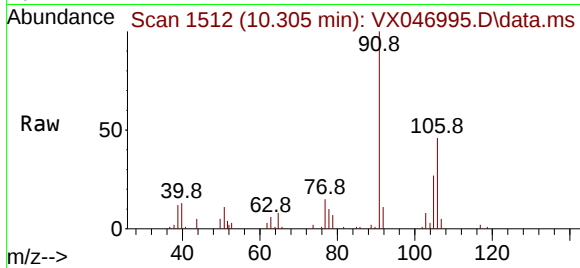




#68
m/p-Xylenes
Concen: 1.109 ug/l
RT: 10.305 min Scan# 1511
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

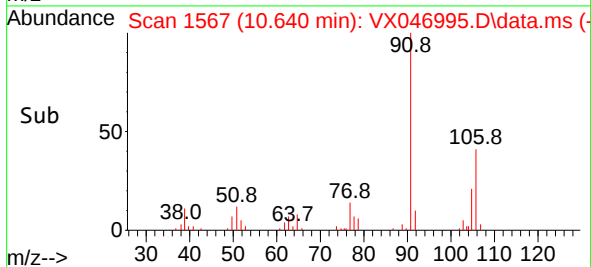
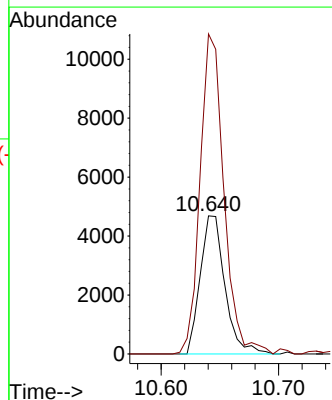
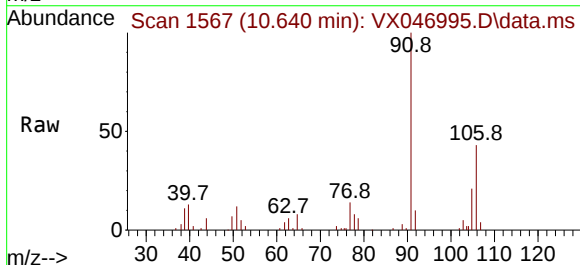
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE

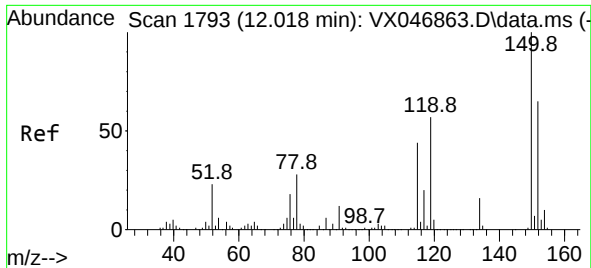
Tgt Ion:106 Resp: 8836
Ion Ratio Lower Upper
106 100
91 214.3 164.6 246.8



#69
o-Xylene
Concen: 0.888 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion:106 Resp: 6838
Ion Ratio Lower Upper
106 100
91 223.9 109.5 328.5

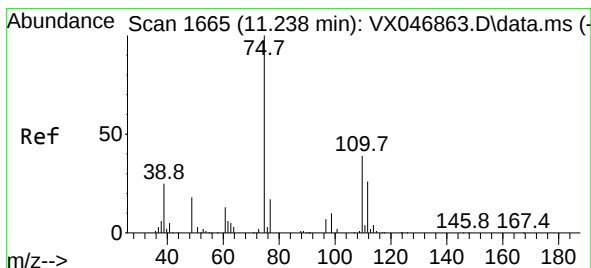
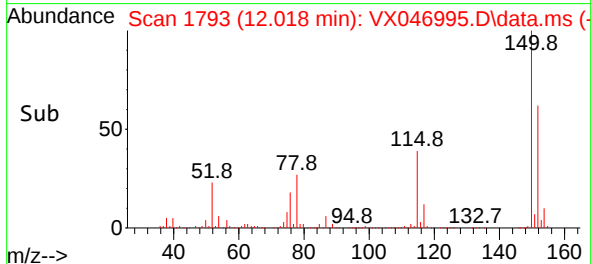
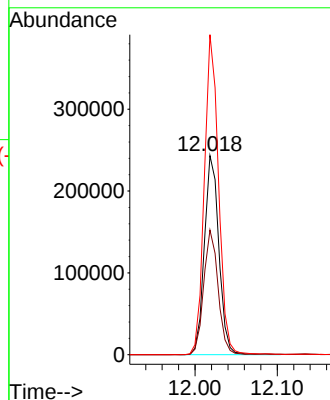
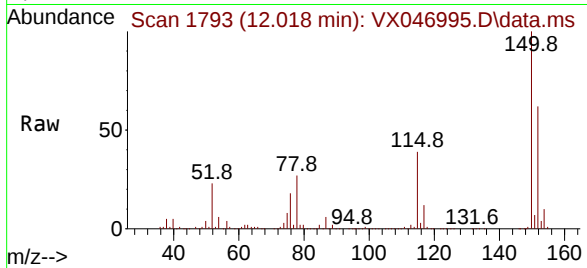




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

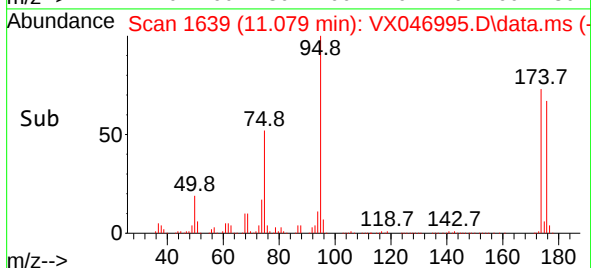
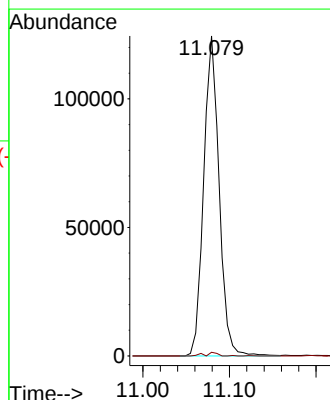
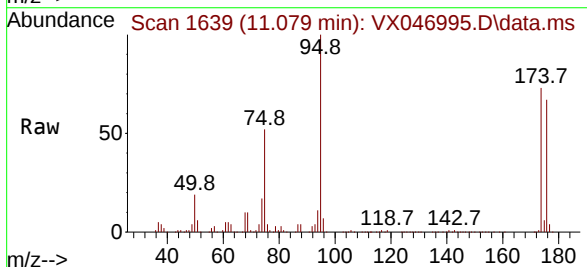
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE

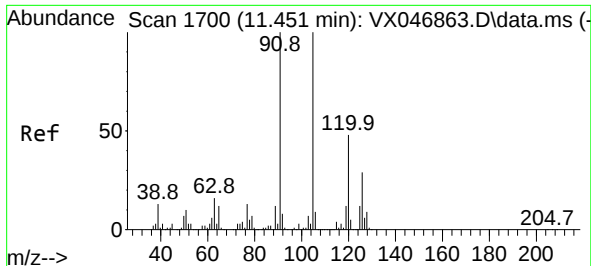
Tgt Ion:152 Resp: 298926
Ion Ratio Lower Upper
152 100
115 62.2 42.4 127.1
150 157.5 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 33.371 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 75 Resp: 154136
Ion Ratio Lower Upper
75 100
77 0.9 20.6 61.8#

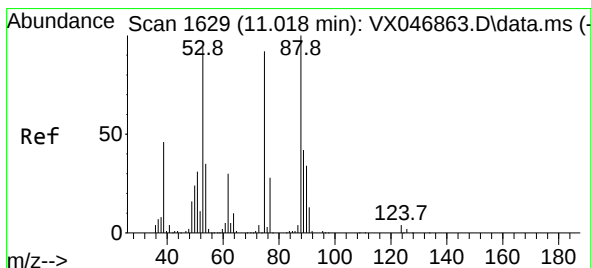
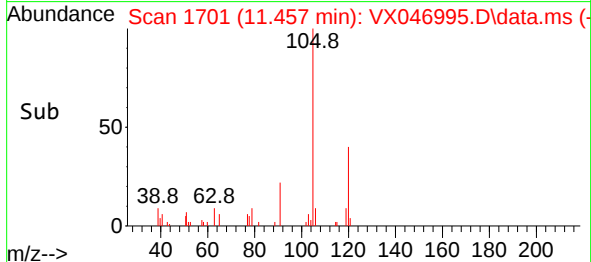
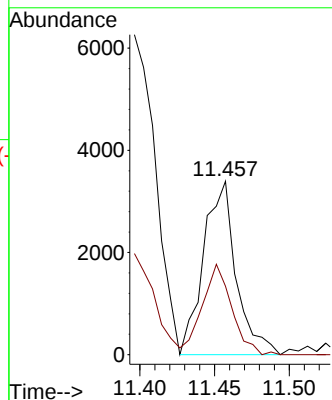
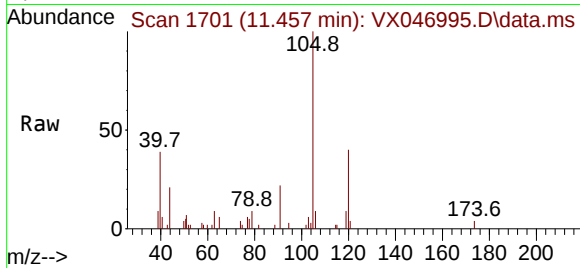




#80
1,3,5-Trimethylbenzene
Concen: 0.302 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

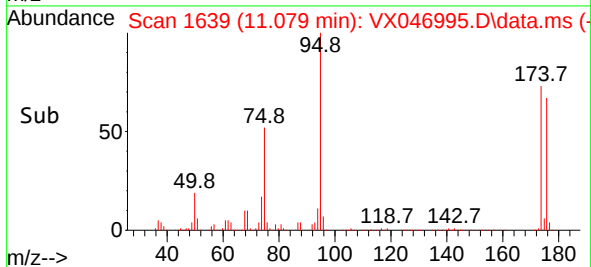
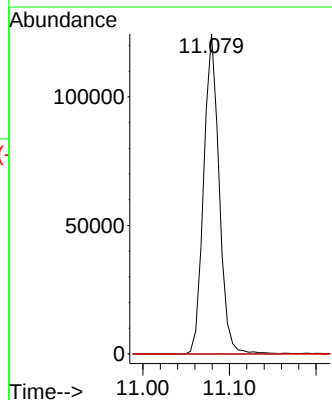
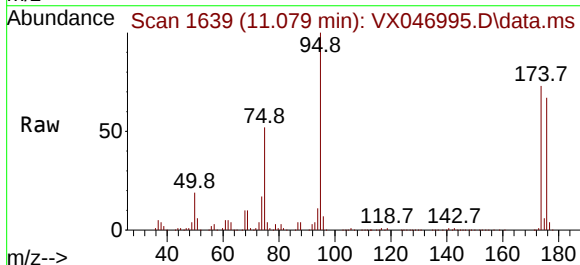
Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE

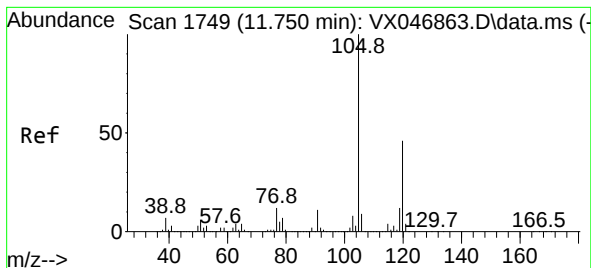
Tgt Ion:105 Resp: 5154
Ion Ratio Lower Upper
105 100
120 47.0 24.1 72.4



#81
trans-1,4-Dichloro-2-butene
Concen: 89.552 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Tgt Ion: 75 Resp: 154136
Ion Ratio Lower Upper
75 100
53 0.0 83.7 125.5#
89 0.0 38.2 57.2#





#84

1,2,4-Trimethylbenzene

Concen: 1.011 ug/l

RT: 11.750 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046995.D

Acq: 15 Jul 2025 12:51

Instrument :

MSVOA_X

ClientSampleId :

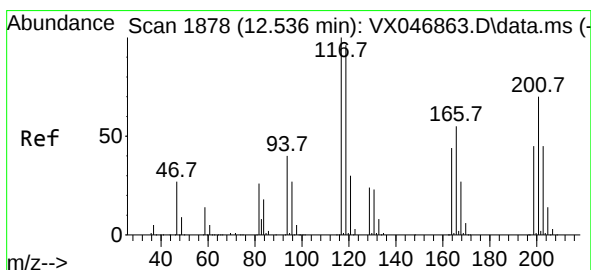
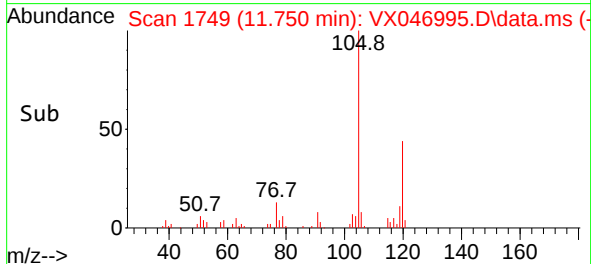
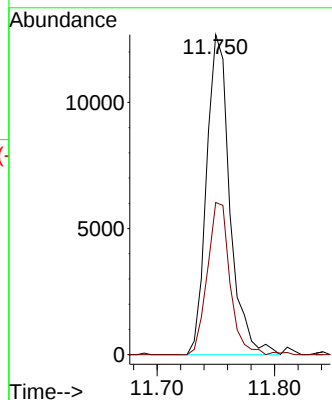
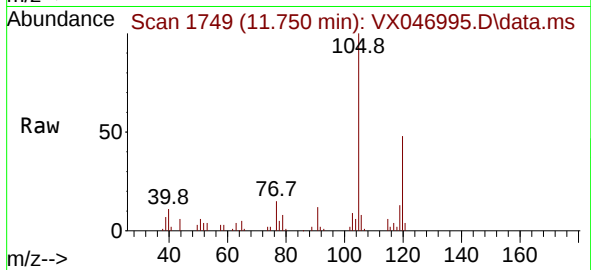
WC-A2-10-GRE

Tgt Ion:105 Resp: 17453

Ion Ratio Lower Upper

105 100

120 46.3 23.3 69.8



#90

Hexachloroethane

Concen: 1.589 ug/l

RT: 12.414 min Scan# 1858

Delta R.T. -0.122 min

Lab File: VX046995.D

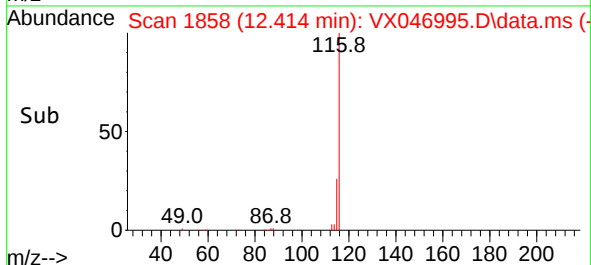
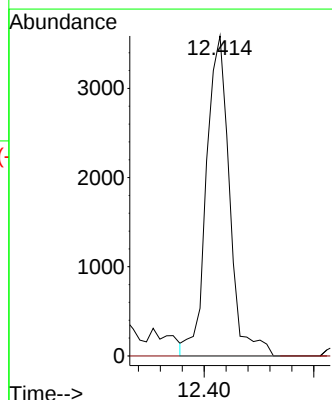
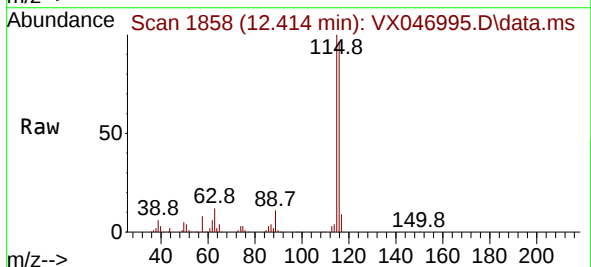
Acq: 15 Jul 2025 12:51

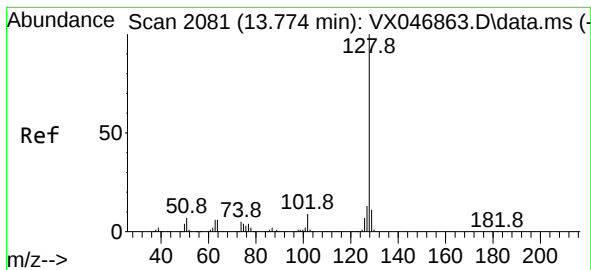
Tgt Ion:117 Resp: 5245

Ion Ratio Lower Upper

117 100

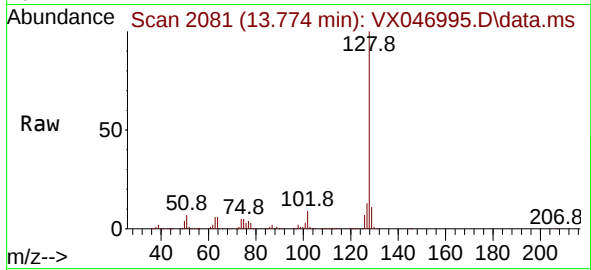
201 0.0 35.8 107.4#





#95
Naphthalene
Concen: 141.166 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX046995.D
Acq: 15 Jul 2025 12:51

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-10-GRE



Tgt Ion:128 Resp: 2397245
Ion Ratio Lower Upper
128 100
127 12.8 10.2 15.4
129 11.0 8.6 13.0

