

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032457.D
 Acq On : 17 Nov 2025 14:55
 Operator : SY/MD
 Sample : Q3633-03
 Misc : 5.52g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETGI-342

Quant Time: Nov 18 03:05:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

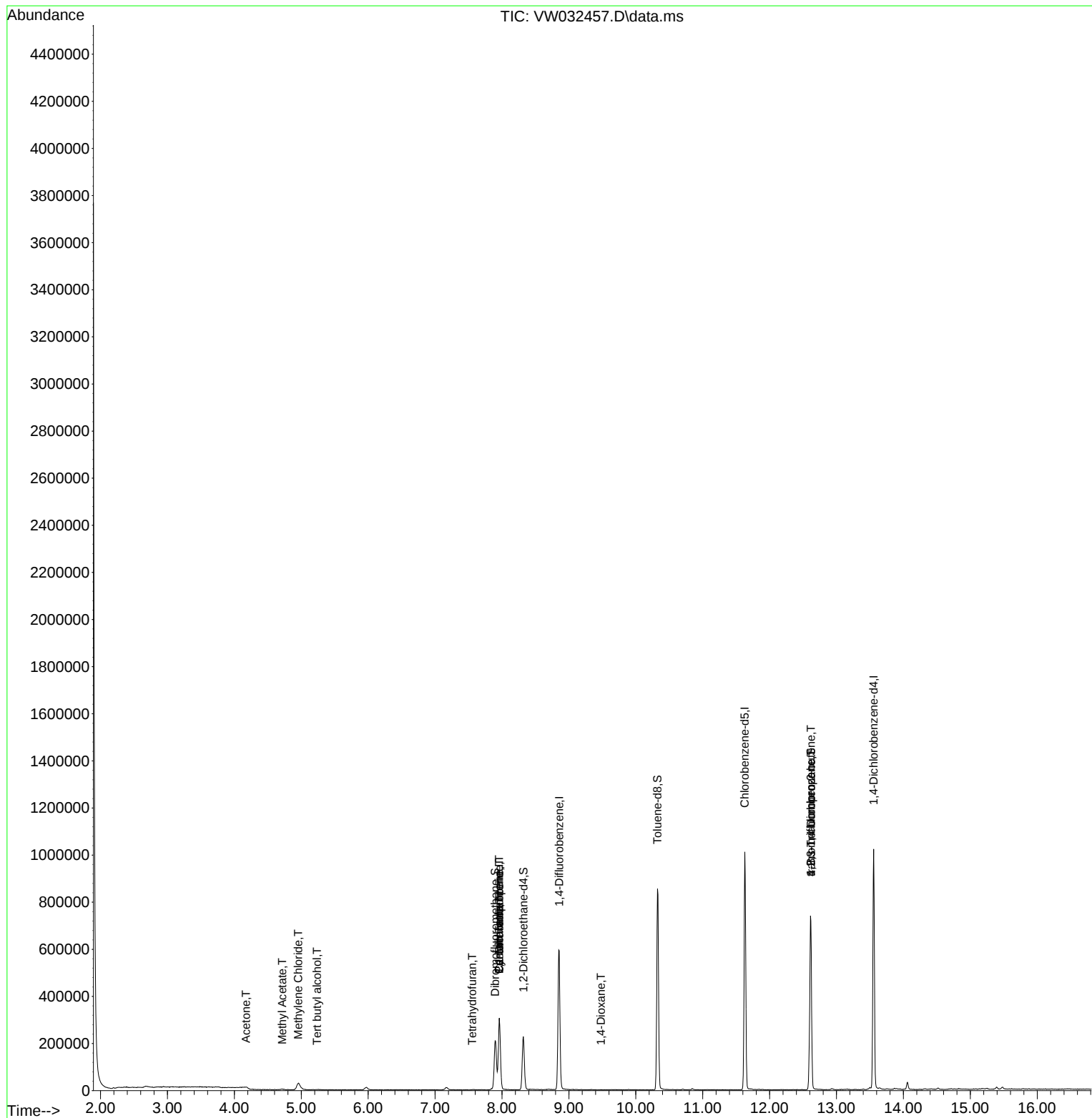
Internal Standards						
1) Pentafluorobenzene	7.959	168	210576	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	510650	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	543873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	263790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	180206	66.378	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 132.760%		
35) Dibromofluoromethane	7.898	113	156751	51.270	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.540%		
50) Toluene-d8	10.324	98	579691	49.423	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 98.840%		
62) 4-Bromofluorobenzene	12.617	95	232053	52.373	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 104.740%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	428	1.823	ug/l #	1
16) Acetone	4.173	43	3184	3.920	ug/l #	80
18) Methyl Acetate	4.716	43	6269	3.117	ug/l	99
20) Methylene Chloride	4.953	84	24646	8.485	ug/l	97
29) Tetrahydrofuran	7.557	42	1082	1.425	ug/l #	65
31) Cyclohexane	7.959	56	5494	1.223	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	19405	4.308	ug/l #	50
38) Carbon Tetrachloride	7.959	117	22104	5.522	ug/l #	18
49) 1,4-Dioxane	9.477	88	118	3.990	ug/l #	75
76) 1,2,3-Trichloropropane	12.617	75	120742	33.382	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	120742	76.459	ug/l #	11

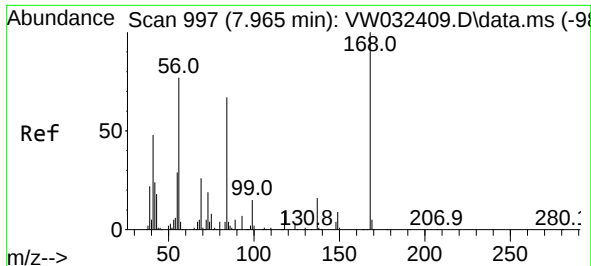
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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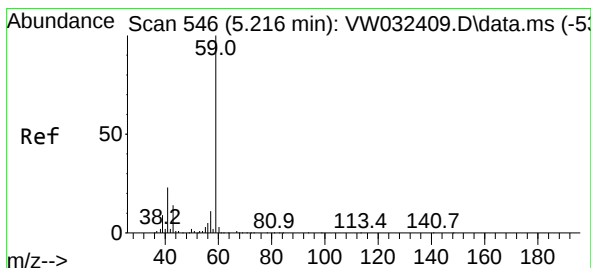
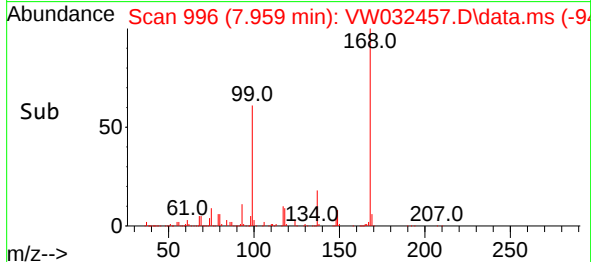
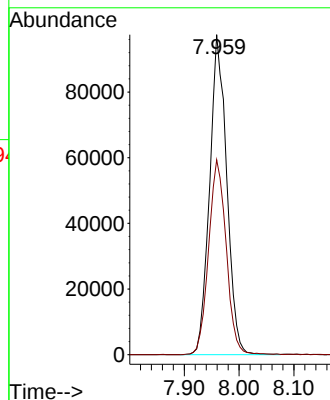
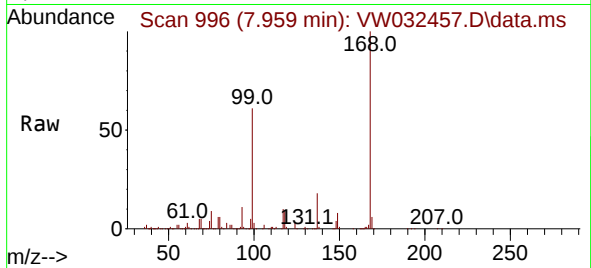




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

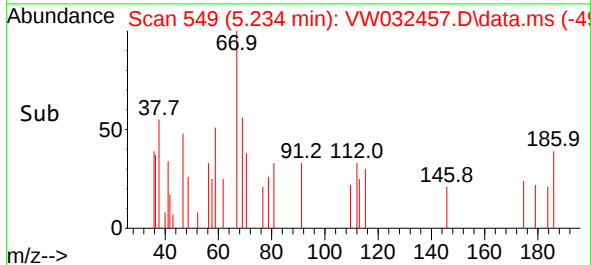
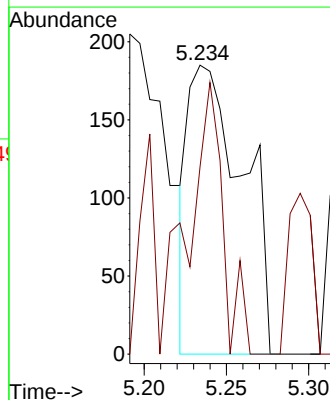
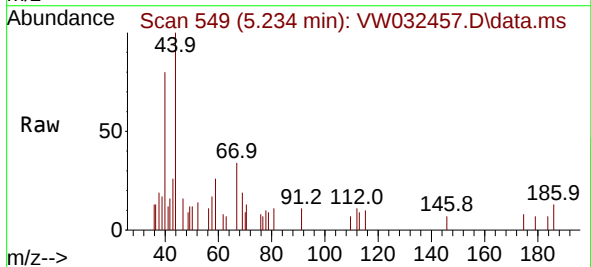
Instrument :
MSVOA_W
ClientSampleId :
ETGI-342

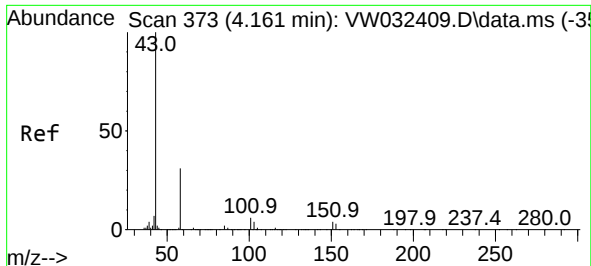
Tgt Ion:168 Resp: 210576
Ion Ratio Lower Upper
168 100
99 60.9 45.4 68.2



#11
Tert butyl alcohol
Concen: 1.823 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.018 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

Tgt Ion: 59 Resp: 428
Ion Ratio Lower Upper
59 100
57 59.6 8.6 12.8#

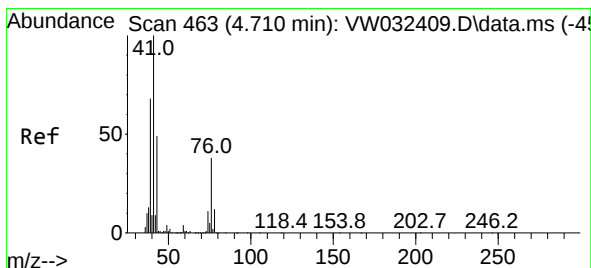
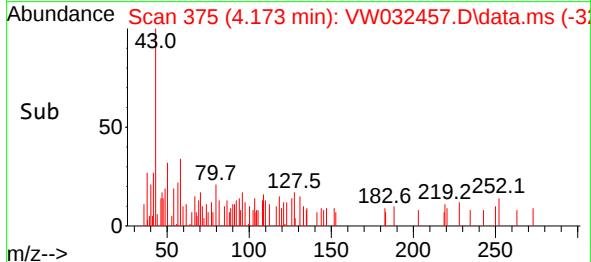
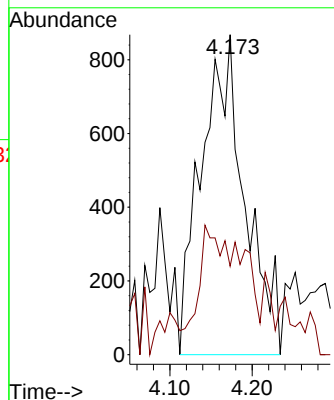
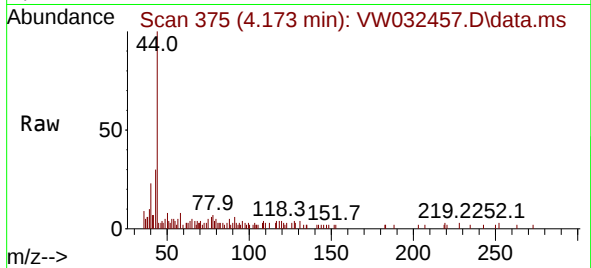




#16
Acetone
Concen: 3.920 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

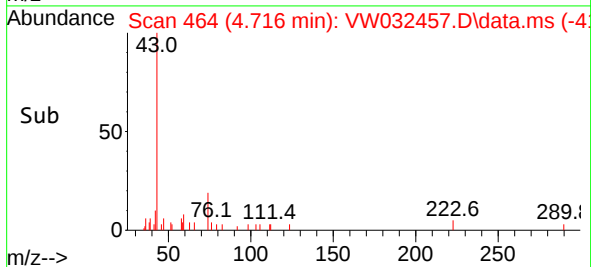
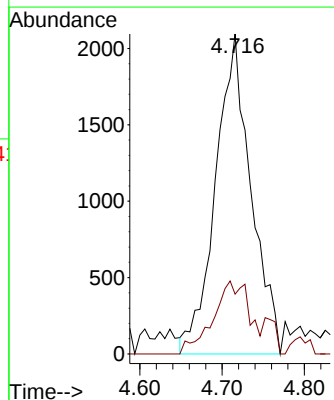
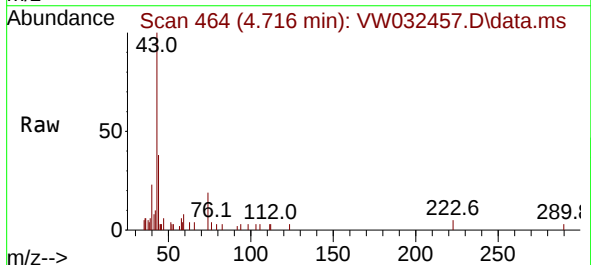
Instrument :
MSVOA_W
ClientSampleId :
ETGI-342

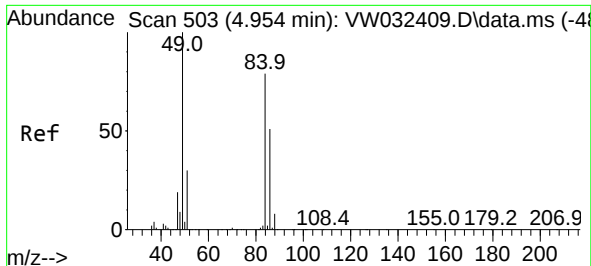
Tgt Ion: 43 Resp: 3184
Ion Ratio Lower Upper
43 100
58 20.2 24.8 37.2#



#18
Methyl Acetate
Concen: 3.117 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

Tgt Ion: 43 Resp: 6269
Ion Ratio Lower Upper
43 100
74 23.2 18.9 28.3

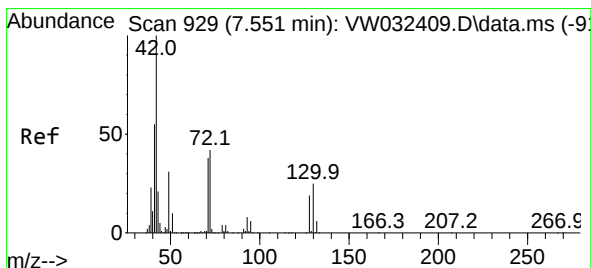
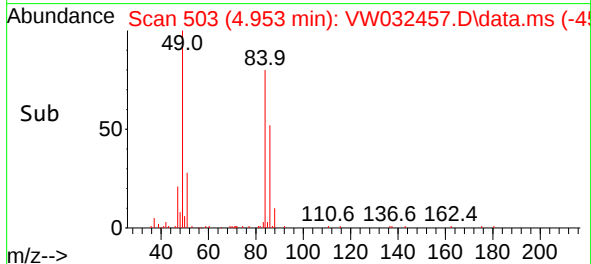
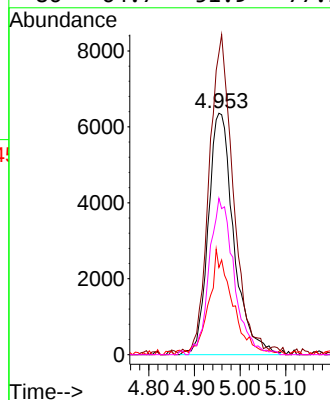
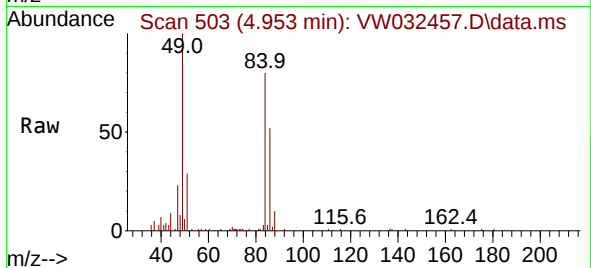




#20
Methylene Chloride
Concen: 8.485 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

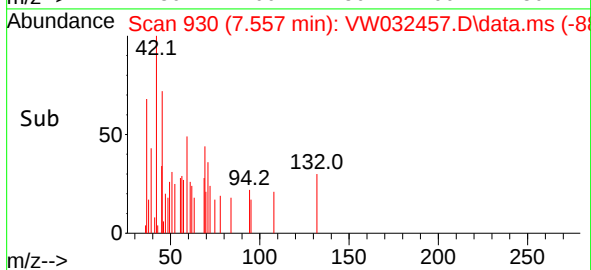
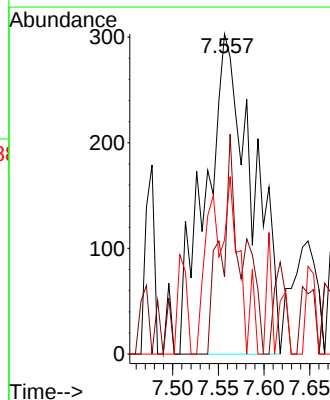
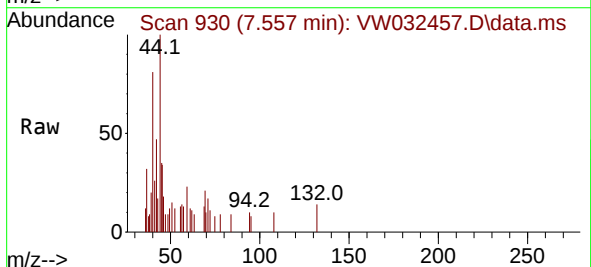
Instrument :
MSVOA_W
ClientSampleId :
ETGI-342

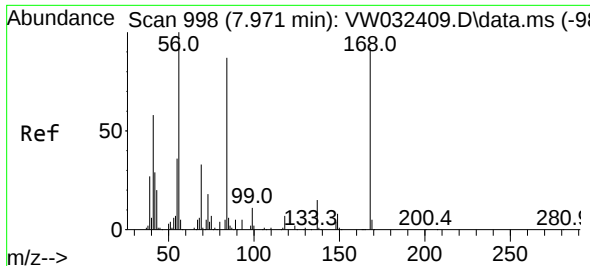
Tgt Ion:	84	Resp:	24646
Ion	Ratio	Lower	Upper
84	100		
49	123.7	101.5	152.3
51	34.4	30.6	46.0
86	64.7	51.9	77.9



#29
Tetrahydrofuran
Concen: 1.425 ug/l
RT: 7.557 min Scan# 930
Delta R.T. 0.006 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

Tgt Ion:	42	Resp:	1082
Ion	Ratio	Lower	Upper
42	100		
72	22.2	33.6	50.4#
71	15.0	31.4	47.0#

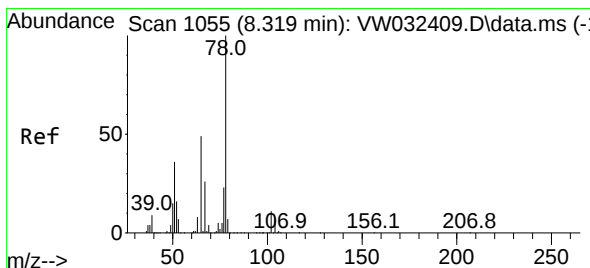
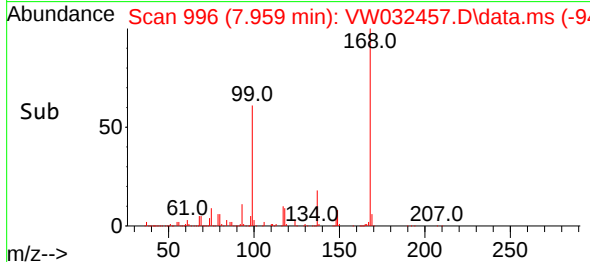
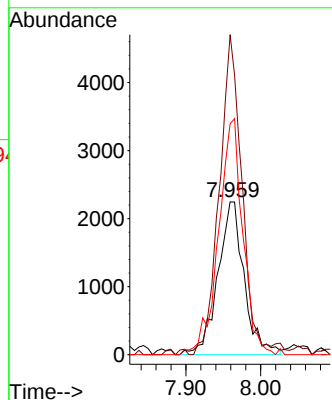
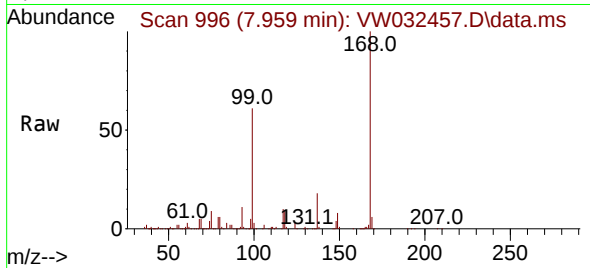




#31
Cyclohexane
Concen: 1.223 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

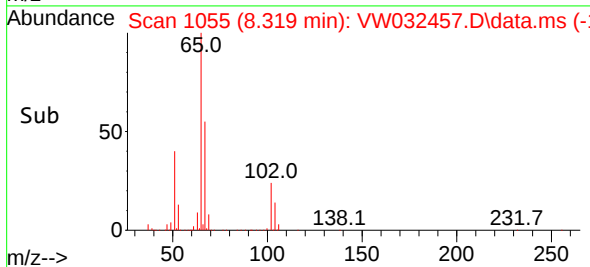
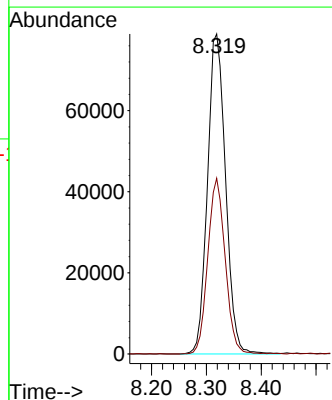
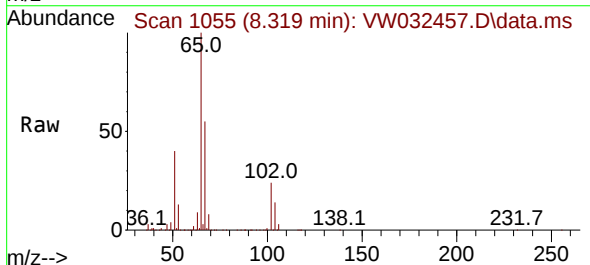
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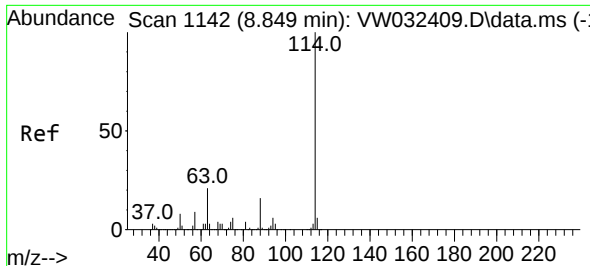
Tgt Ion: 56 Resp: 5494
Ion Ratio Lower Upper
56 100
69 206.4 26.5 39.7#
84 151.1 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 66.378 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

Tgt Ion: 65 Resp: 180206
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8

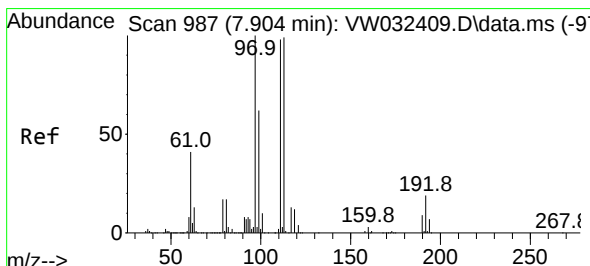
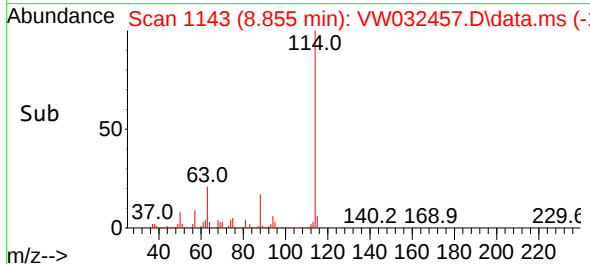
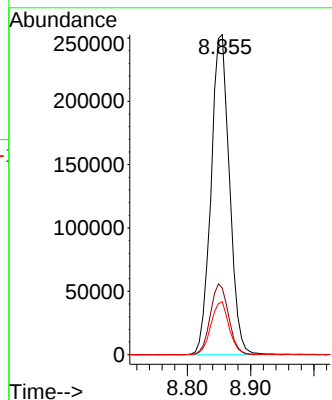
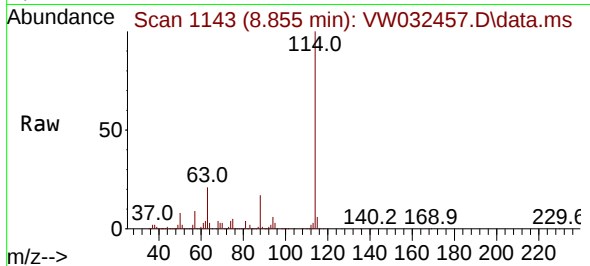




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

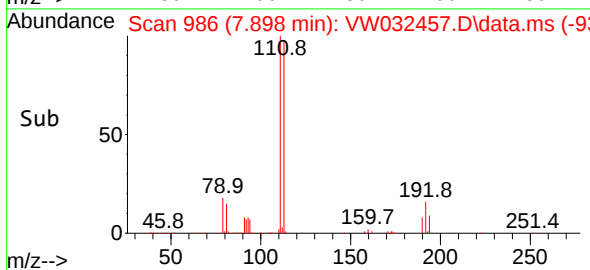
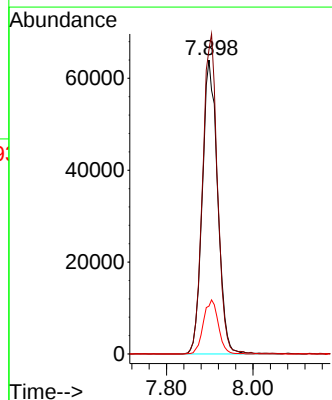
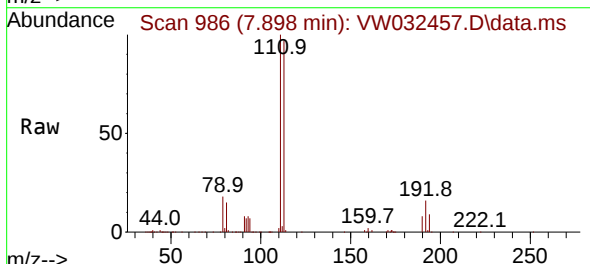
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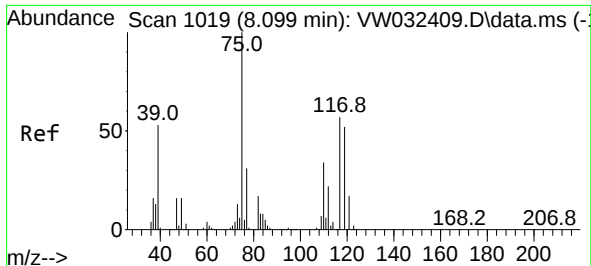
Tgt Ion:114 Resp: 510650
Ion Ratio Lower Upper
114 100
63 20.8 0.0 41.8
88 16.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 51.270 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

Tgt Ion:113 Resp: 156751
Ion Ratio Lower Upper
113 100
111 105.4 83.1 124.7
192 18.0 13.4 20.2

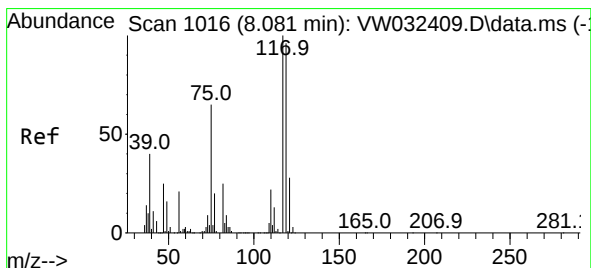
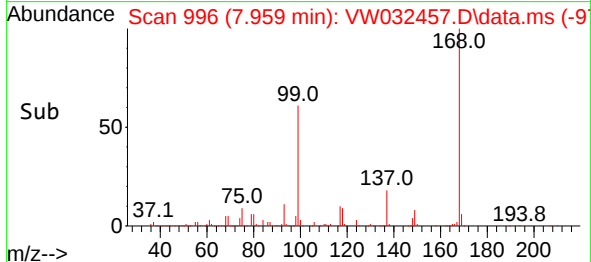
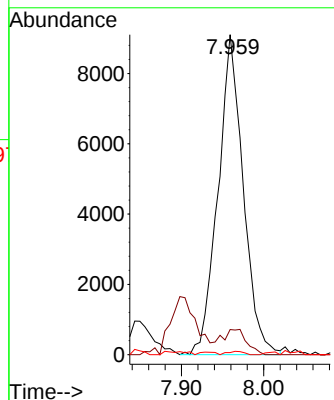
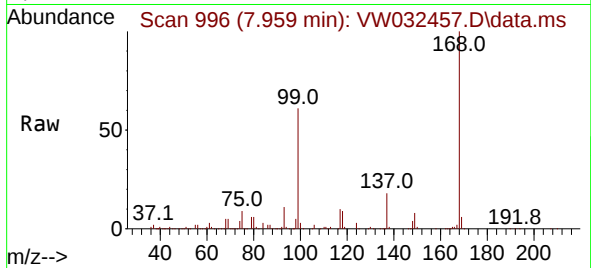




#36
 1,1-Dichloropropene
 Concen: 4.308 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032457.D
 Acq: 17 Nov 2025 14:55

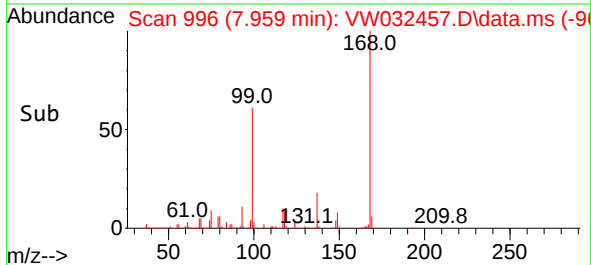
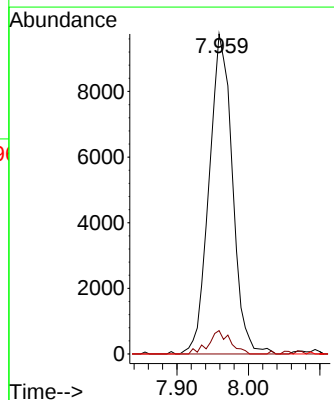
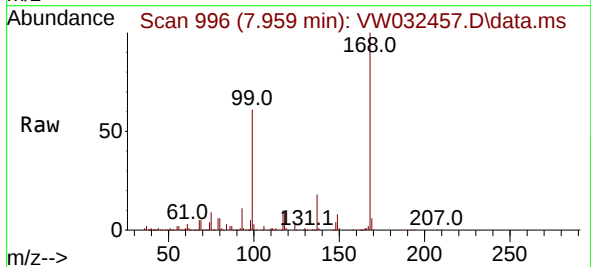
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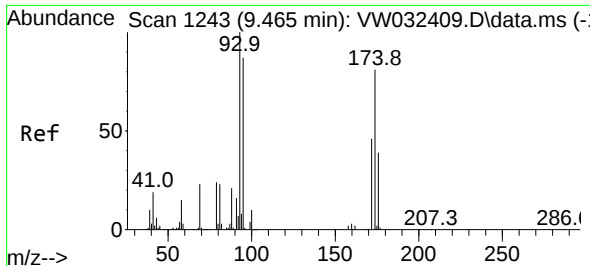
Tgt Ion: 75 Resp: 19405
 Ion Ratio Lower Upper
 75 100
 110 7.5 17.2 51.5#
 77 0.7 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.522 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032457.D
 Acq: 17 Nov 2025 14:55

Tgt Ion: 117 Resp: 22104
 Ion Ratio Lower Upper
 117 100
 119 7.3 77.0 115.4#
 121 0.0 22.0 33.0#

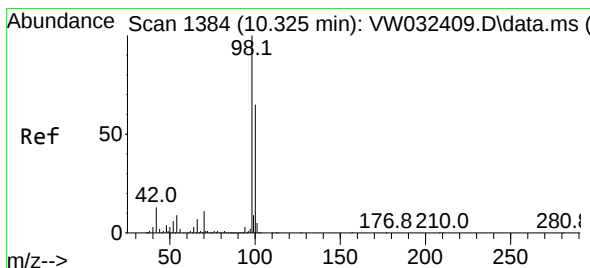
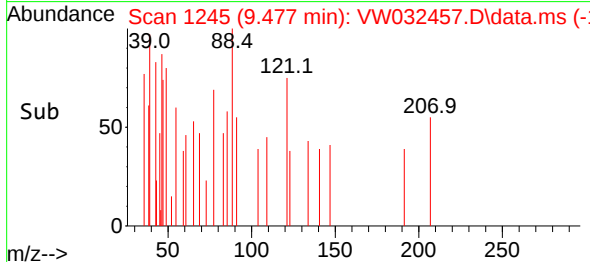
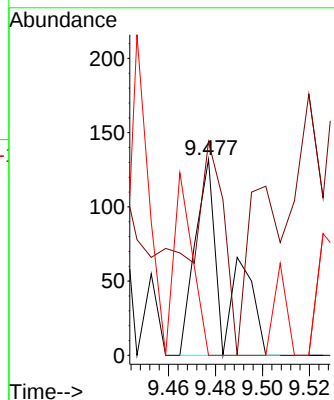
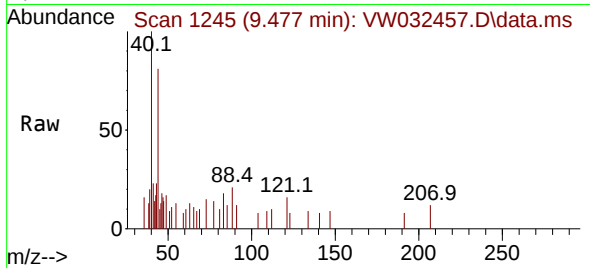




#49
1,4-Dioxane
Concen: 3.990 ug/l
RT: 9.477 min Scan# 118
Delta R.T. 0.012 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

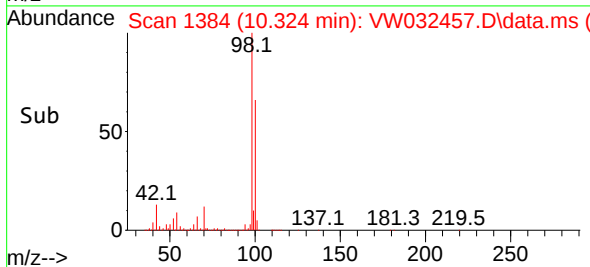
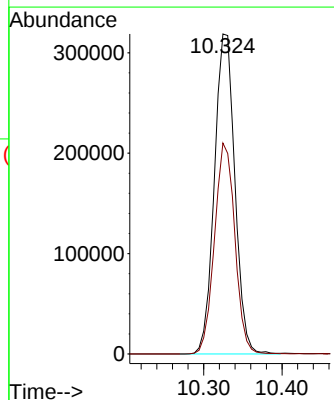
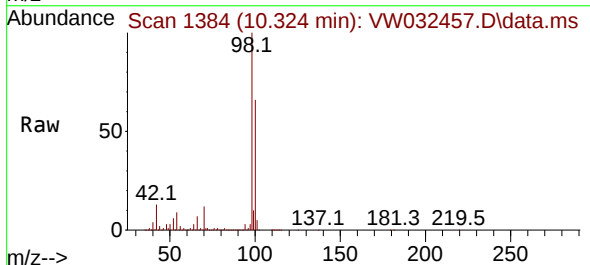
Instrument :
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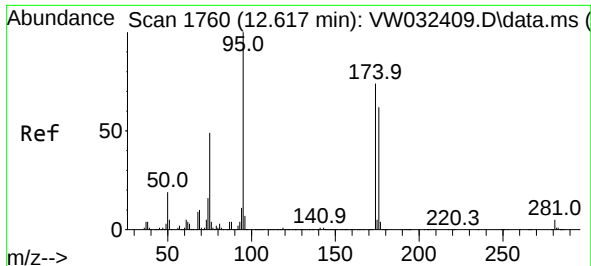
Tgt Ion: 88 Resp: 118
Ion Ratio Lower Upper
88 100
43 96.6 0.0 0.0#
58 56.8 63.0 94.4#



#50
Toluene-d8
Concen: 49.423 ug/l
RT: 10.324 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

Tgt Ion: 98 Resp: 579691
Ion Ratio Lower Upper
98 100
100 65.6 53.3 79.9

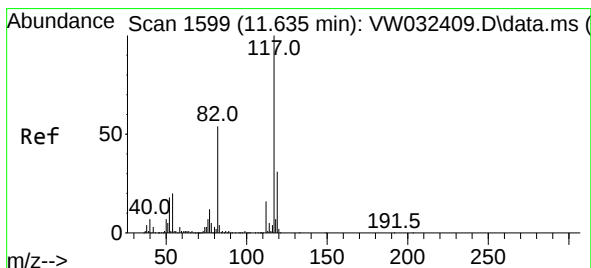
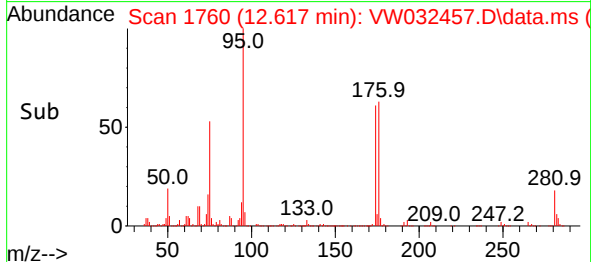
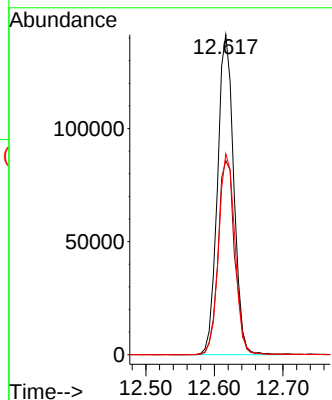
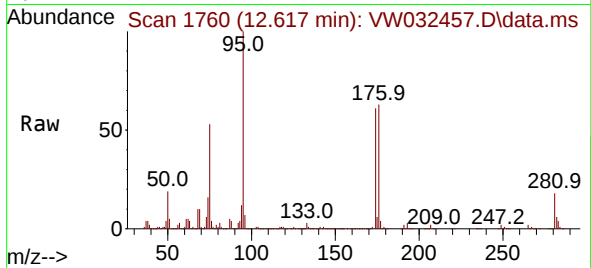




#62
4-Bromofluorobenzene
Concen: 52.373 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

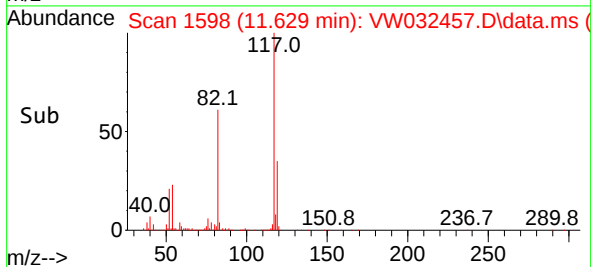
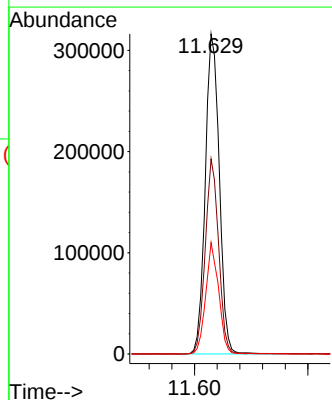
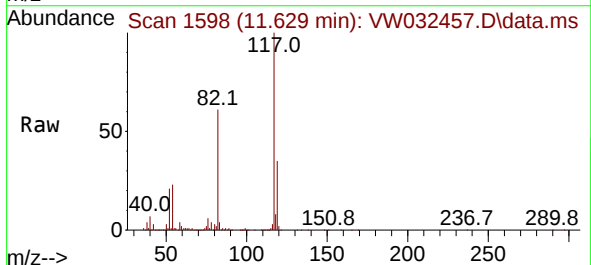
Instrument :
MSVOA_W
ClientSampleId :
ETGI-342

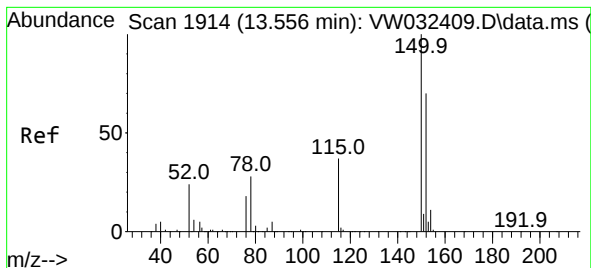
Tgt Ion: 95 Resp: 232053
Ion Ratio Lower Upper
95 100
174 62.3 0.0 135.4
176 62.6 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032457.D
Acq: 17 Nov 2025 14:55

Tgt Ion: 117 Resp: 543873
Ion Ratio Lower Upper
117 100
82 61.0 43.0 64.4
119 34.8 25.0 37.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032457.D

Acq: 17 Nov 2025 14:55

Instrument :

MSVOA_W

ClientSampleId :

ETGI-342

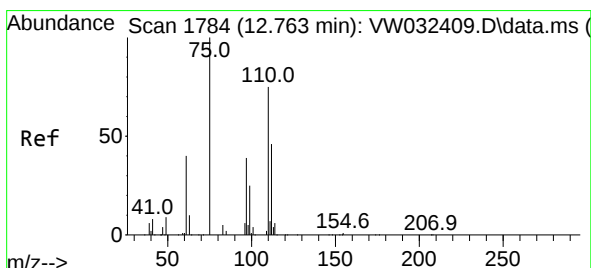
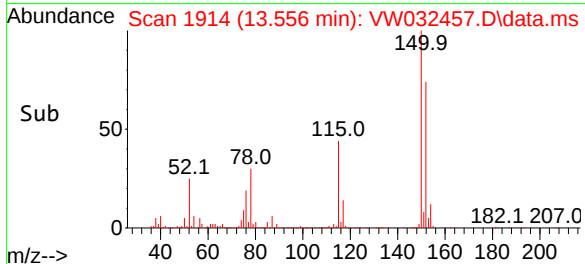
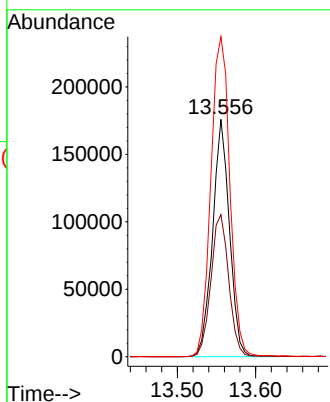
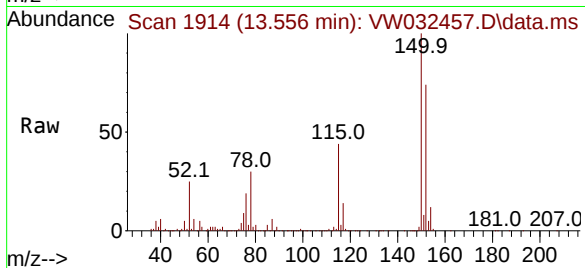
Tgt Ion:152 Resp: 263790

Ion Ratio Lower Upper

152 100

115 63.4 32.8 98.3

150 151.7 0.0 356.6



#76

1,2,3-Trichloropropane

Concen: 33.382 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW032457.D

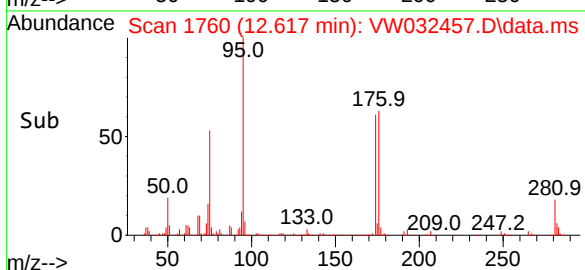
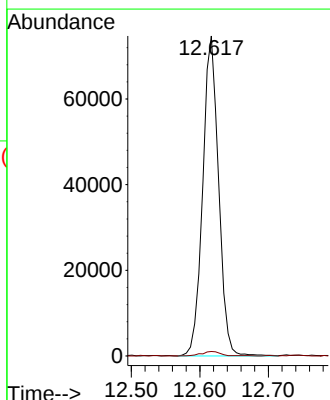
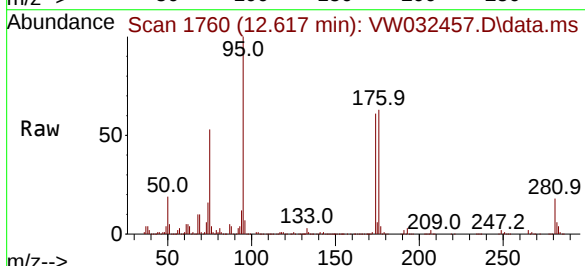
Acq: 17 Nov 2025 14:55

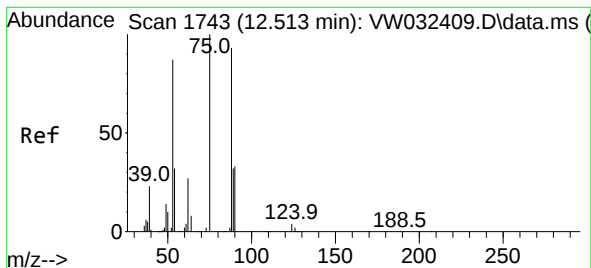
Tgt Ion: 75 Resp: 120742

Ion Ratio Lower Upper

75 100

77 1.7 151.6 454.8#





#81

trans-1,4-Dichloro-2-butene

Concen: 76.459 ug/l

RT: 12.617 min Scan# 11

Delta R.T. 0.104 min

Lab File: VW032457.D

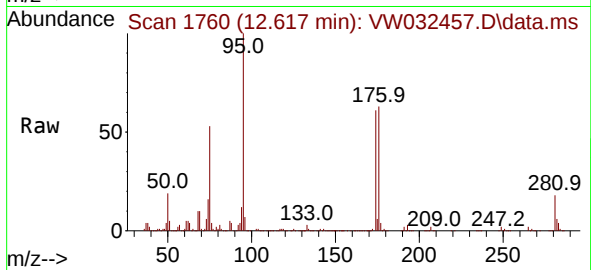
Acq: 17 Nov 2025 14:55

Instrument :

MSVOA_W

ClientSampleId :

ETGI-342



Tgt Ion: 75 Resp: 120742

Ion Ratio Lower Upper

75 100

53 0.3 77.8 116.8#

89 0.0 35.6 53.4#

