

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032456.D
 Acq On : 17 Nov 2025 14:33
 Operator : SY/MD
 Sample : Q3633-01
 Misc : 5.14g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETGI-369

Quant Time: Nov 18 03:04:56 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)

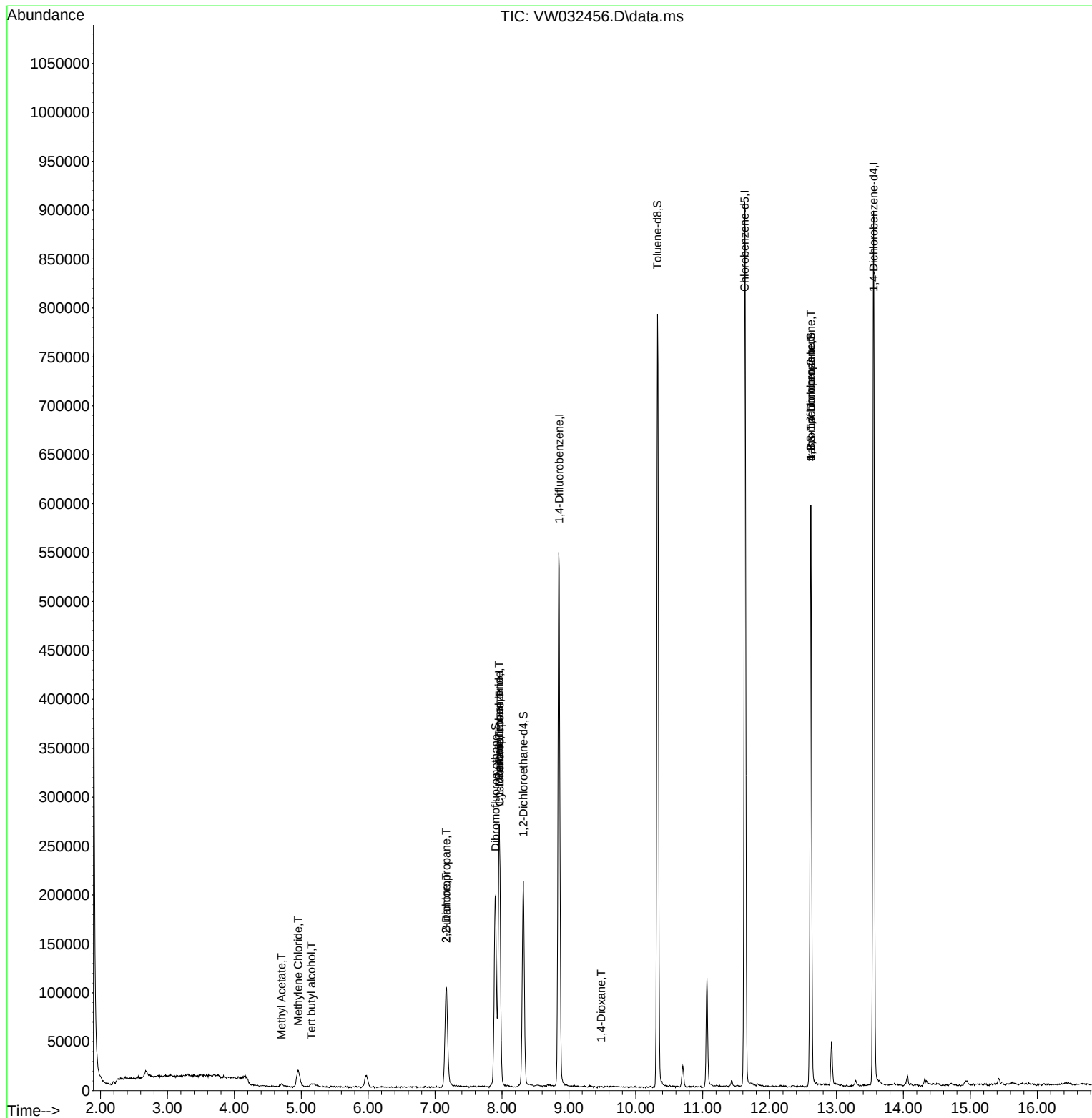
Internal Standards						
1) Pentafluorobenzene	7.959	168	192738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	459125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	492831	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	234135	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	164596	66.240	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 132.480%		
35) Dibromofluoromethane	7.904	113	147884	53.798	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 107.600%		
50) Toluene-d8	10.325	98	521048	49.409	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 98.820%		
62) 4-Bromofluorobenzene	12.617	95	209467	52.581	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 105.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.149	59	1723	8.019	ug/l #	92
18) Methyl Acetate	4.704	43	6262	3.402	ug/l	91
20) Methylene Chloride	4.954	84	14456	5.437	ug/l	90
25) 2-Butanone	7.167	43	6003	5.481	ug/l #	86
26) 2,2-Dichloropropane	7.167	77	7319	2.955	ug/l #	51
31) Cyclohexane	7.965	56	5343	1.300	ug/l #	10
36) 1,1-Dichloropropene	7.965	75	16806	4.149	ug/l #	49
38) Carbon Tetrachloride	7.959	117	20844	5.792	ug/l #	17
49) 1,4-Dioxane	9.483	88	80	3.009	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	101873	31.732	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	101873	72.681	ug/l #	11

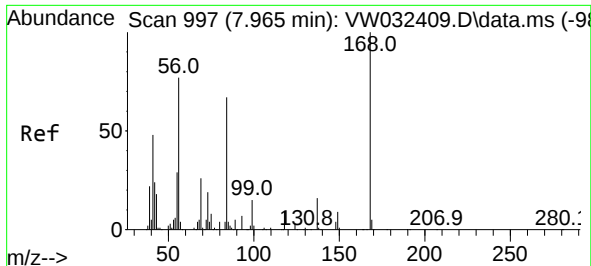
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
Data File : VW032456.D
Acq On : 17 Nov 2025 14:33
Operator : SY/MD
Sample : Q3633-01
Misc : 5.14g/5mL/MSVOA_W/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
ETGI-369

Quant Time: Nov 18 03:04:56 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

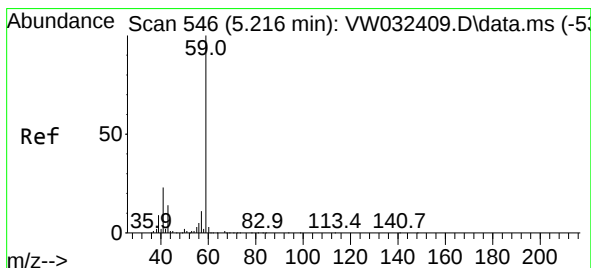
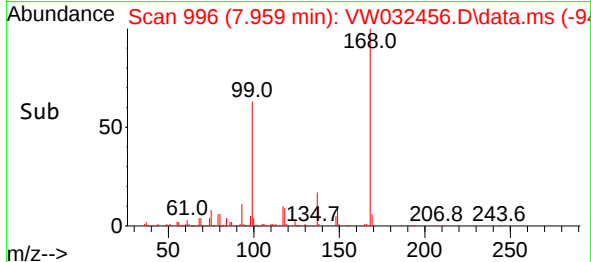
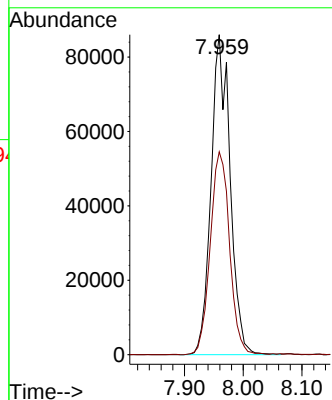
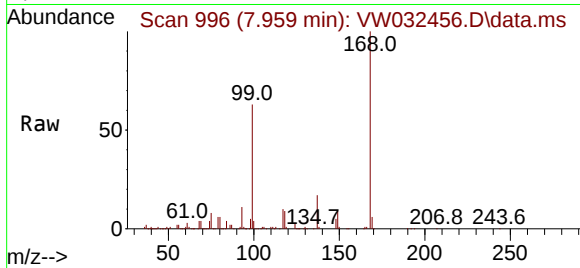




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

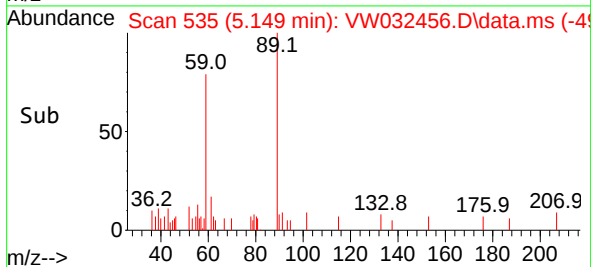
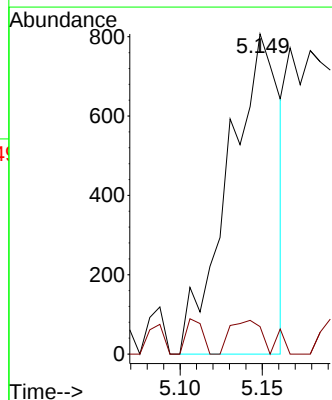
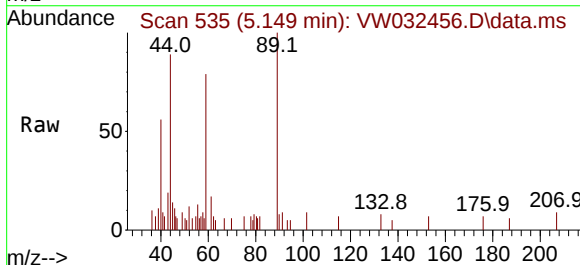
Instrument :
MSVOA_W
ClientSampleId :
ETGI-369

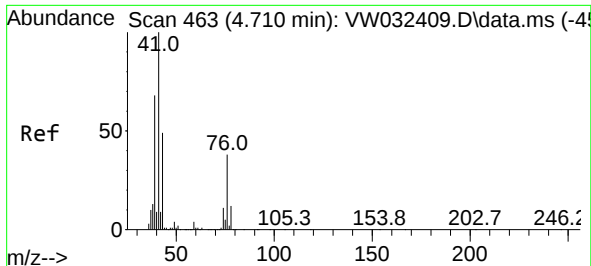
Tgt Ion:168 Resp: 192738
Ion Ratio Lower Upper
168 100
99 63.4 45.4 68.2



#11
Tert butyl alcohol
Concen: 8.019 ug/l
RT: 5.149 min Scan# 535
Delta R.T. -0.067 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

Tgt Ion: 59 Resp: 1723
Ion Ratio Lower Upper
59 100
57 7.8 8.6 12.8#

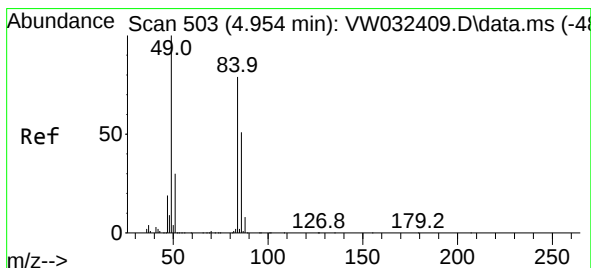
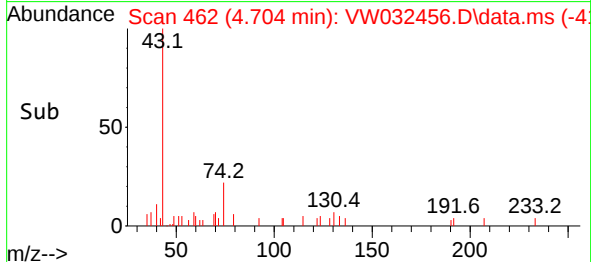
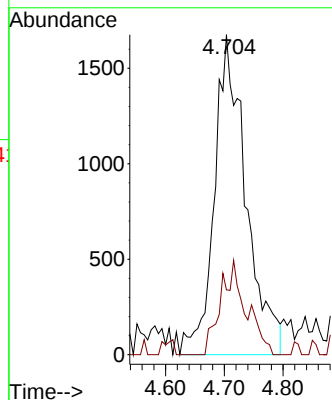
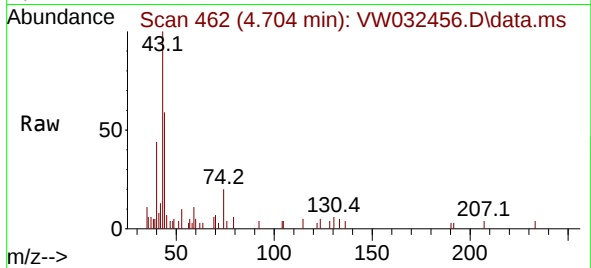




#18
Methyl Acetate
Concen: 3.402 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

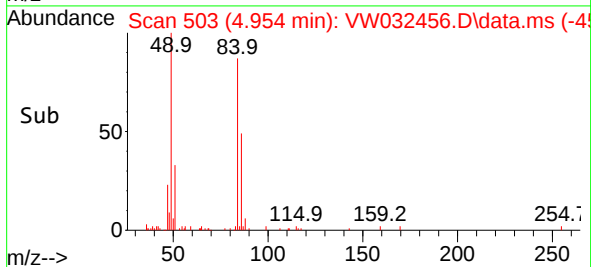
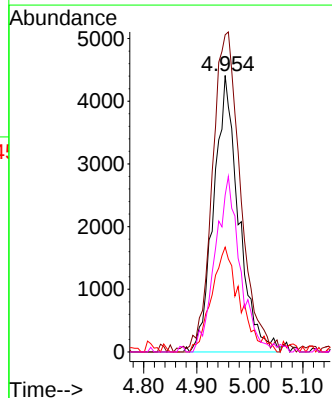
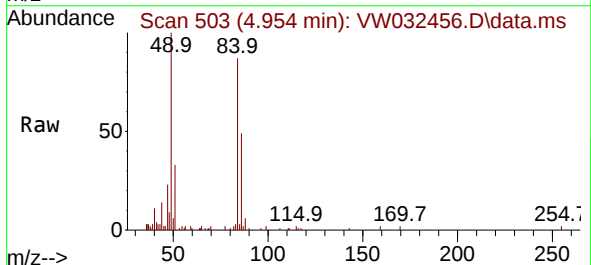
Instrument :
MSVOA_W
ClientSampleId :
ETGI-369

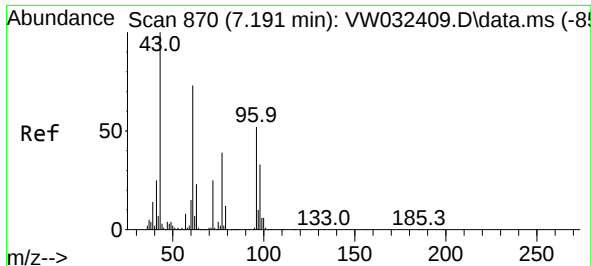
Tgt Ion: 43 Resp: 6262
Ion Ratio Lower Upper
43 100
74 19.3 18.9 28.3



#20
Methylene Chloride
Concen: 5.437 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

Tgt Ion: 84 Resp: 14456
Ion Ratio Lower Upper
84 100
49 114.7 101.5 152.3
51 37.9 30.6 46.0
86 54.7 51.9 77.9

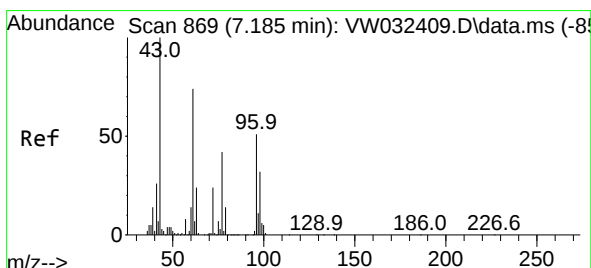
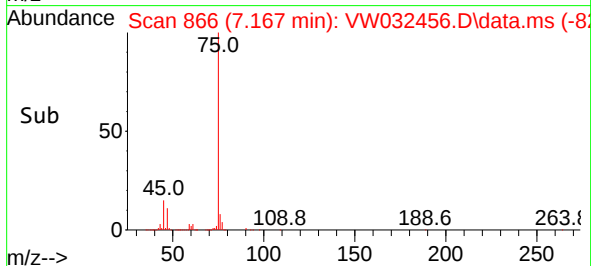
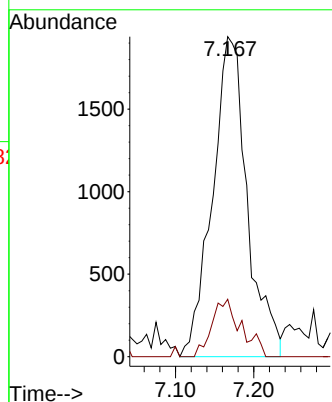
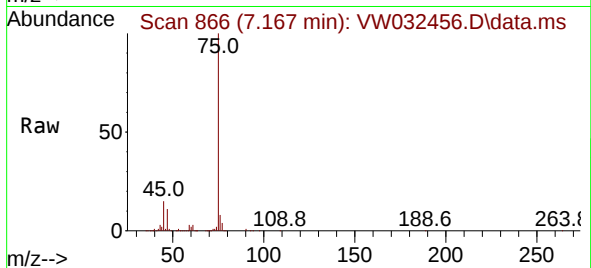




#25
2-Butanone
Concen: 5.481 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

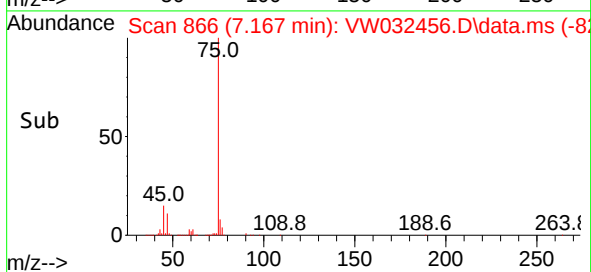
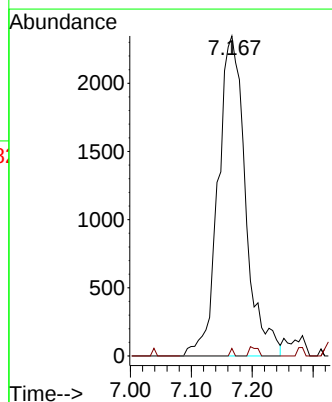
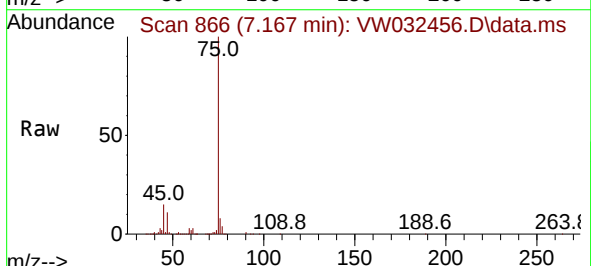
Instrument :
MSVOA_W
ClientSampleId :
ETGI-369

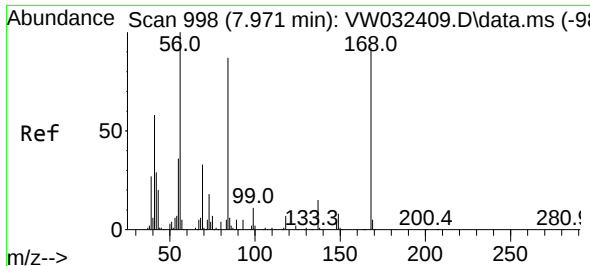
Tgt Ion: 43 Resp: 6003
Ion Ratio Lower Upper
43 100
72 17.9 20.0 30.0#



#26
2,2-Dichloropropane
Concen: 2.955 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

Tgt Ion: 77 Resp: 7319
Ion Ratio Lower Upper
77 100
97 0.3 12.3 36.8#

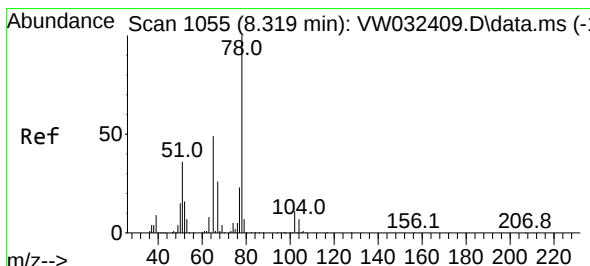
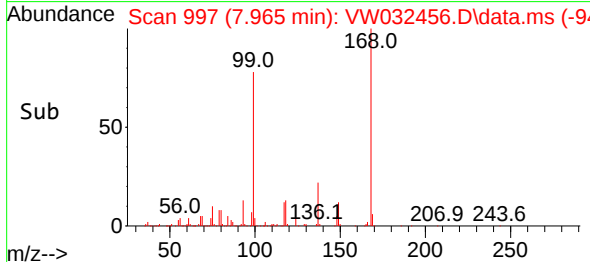
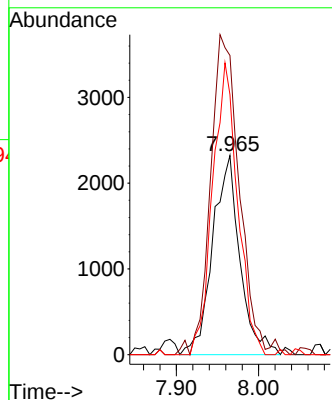
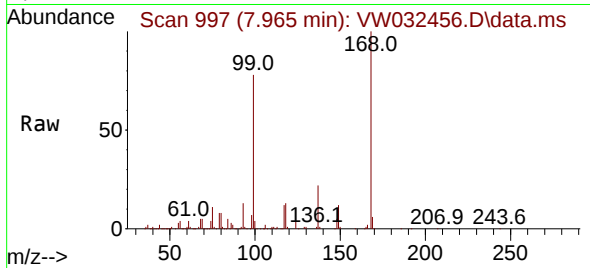




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

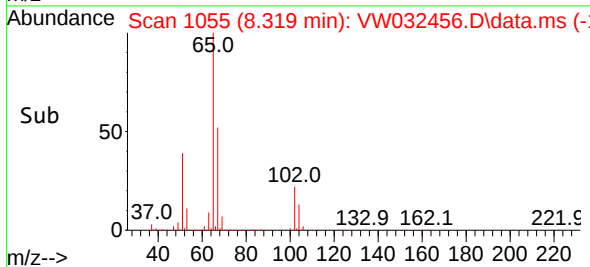
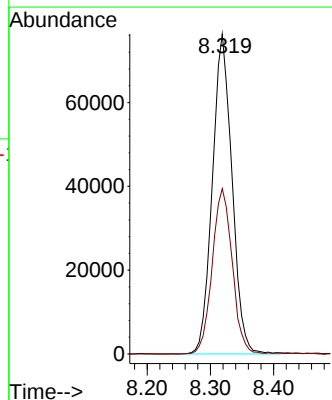
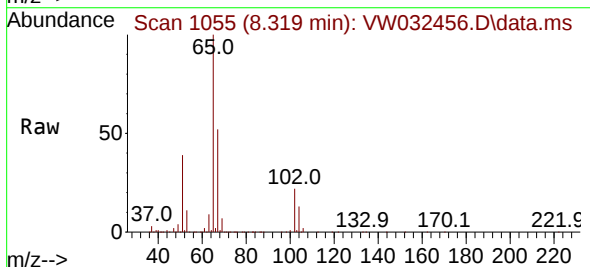
Instrument :
MSVOA_W
ClientSampleId :
ETGI-369

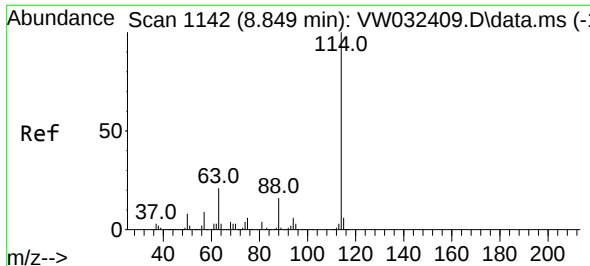
Tgt Ion: 56 Resp: 5343
Ion Ratio Lower Upper
56 100
69 147.9 26.5 39.7#
84 130.5 69.6 104.4#



#33
1,2-Dichloroethane-d4
Concen: 66.240 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

Tgt Ion: 65 Resp: 164596
Ion Ratio Lower Upper
65 100
67 52.5 0.0 106.8

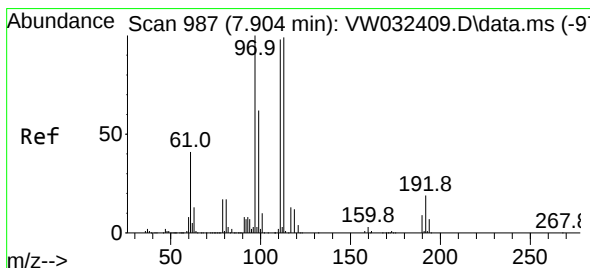
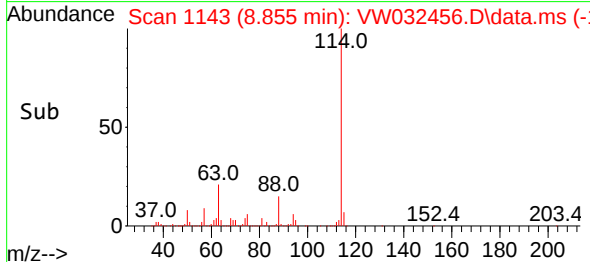
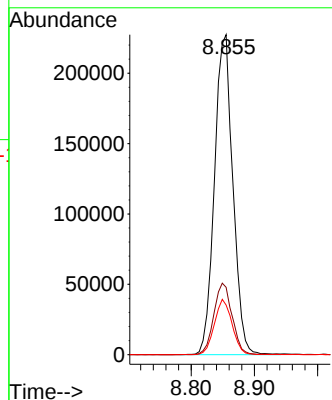
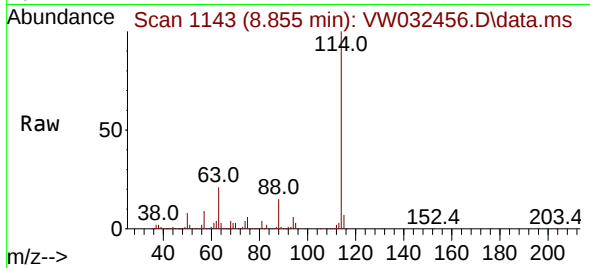




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.006 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

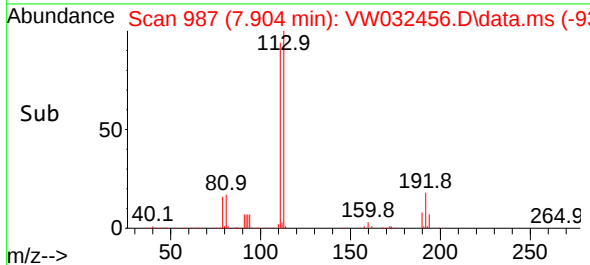
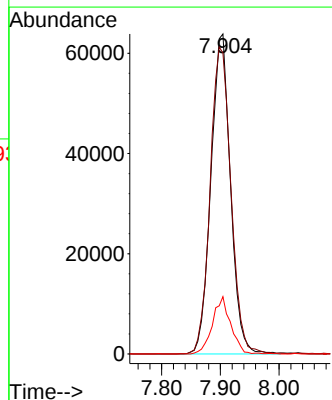
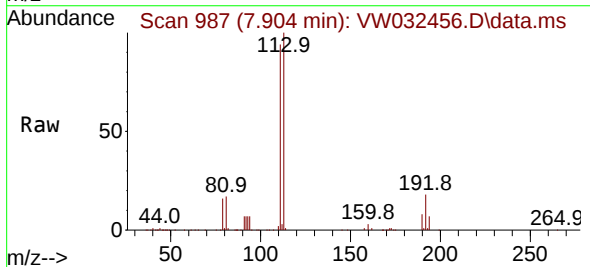
Instrument :
MSVOA_W
ClientSampleId :
ETGI-369

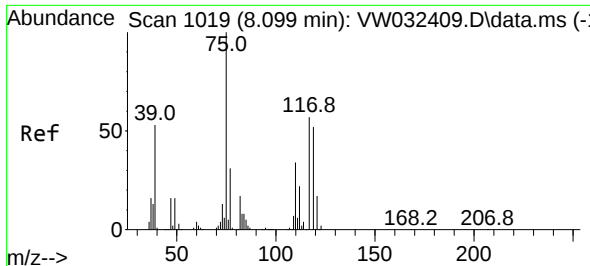
Tgt Ion:114 Resp: 459125
Ion Ratio Lower Upper
114 100
63 21.0 0.0 41.8
88 15.5 0.0 32.6



#35
Dibromofluoromethane
Concen: 53.798 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

Tgt Ion:113 Resp: 147884
Ion Ratio Lower Upper
113 100
111 101.7 83.1 124.7
192 16.6 13.4 20.2

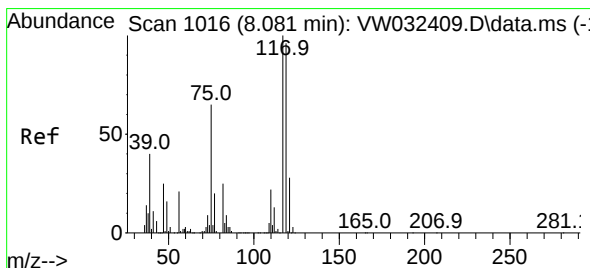
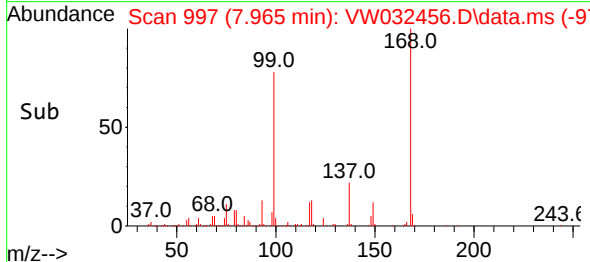
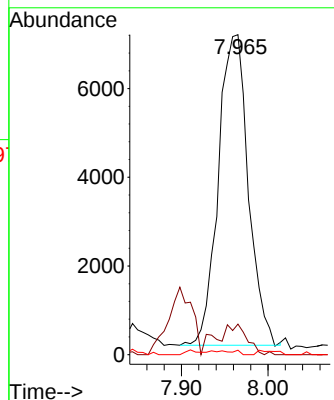
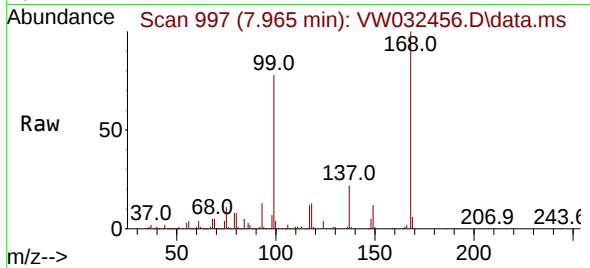




#36
 1,1-Dichloropropene
 Concen: 4.149 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.134 min
 Lab File: VW032456.D
 Acq: 17 Nov 2025 14:33

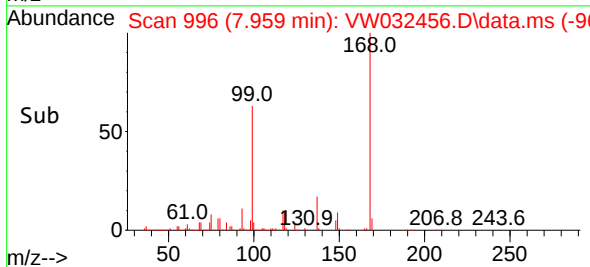
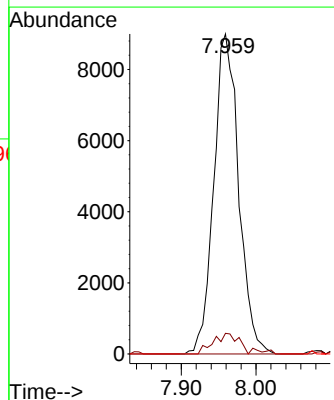
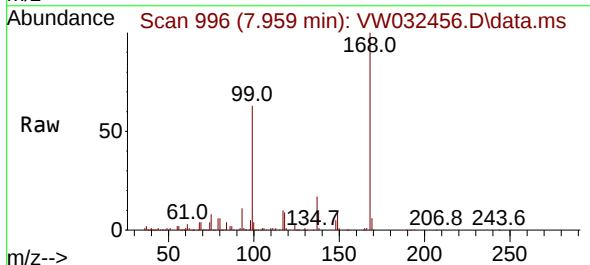
Instrument :
 MSVOA_W
 ClientSampleId :
 ETGI-369

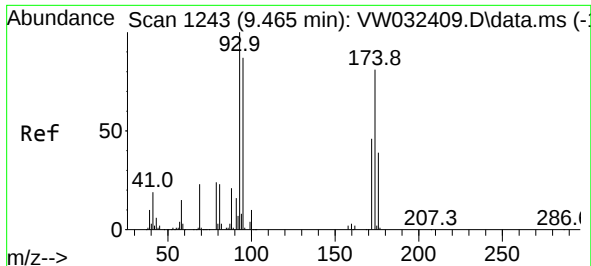
Tgt Ion: 75 Resp: 16806
 Ion Ratio Lower Upper
 75 100
 110 6.6 17.2 51.5#
 77 1.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 5.792 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.122 min
 Lab File: VW032456.D
 Acq: 17 Nov 2025 14:33

Tgt Ion: 117 Resp: 20844
 Ion Ratio Lower Upper
 117 100
 119 6.4 77.0 115.4#
 121 0.0 22.0 33.0#





#49

1,4-Dioxane

Concen: 3.009 ug/l

RT: 9.483 min Scan# 11

Delta R.T. 0.018 min

Lab File: VW032456.D

Acq: 17 Nov 2025 14:33

Instrument :

MSVOA_W

ClientSampleId :

ETGI-369

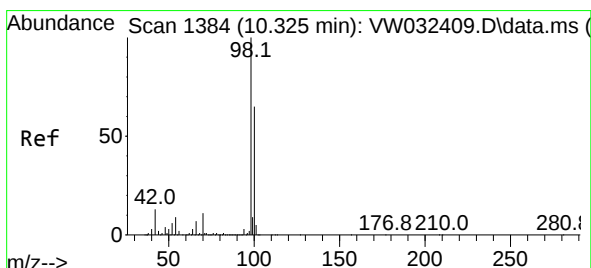
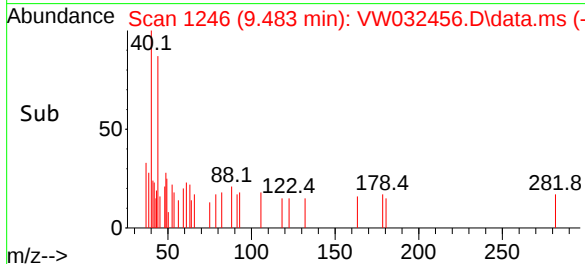
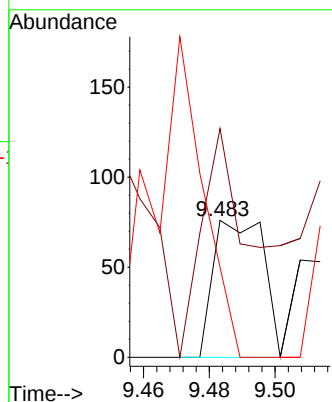
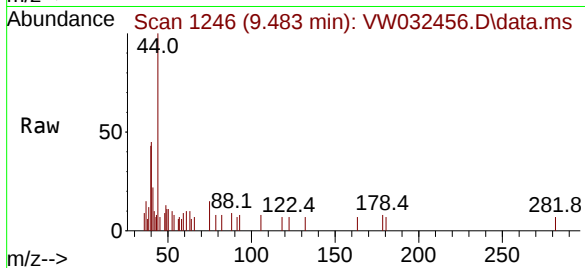
Tgt Ion: 88 Resp: 80

Ion Ratio Lower Upper

88 100

43 146.3 0.0 0.0#

58 230.0 63.0 94.4#



#50

Toluene-d8

Concen: 49.409 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032456.D

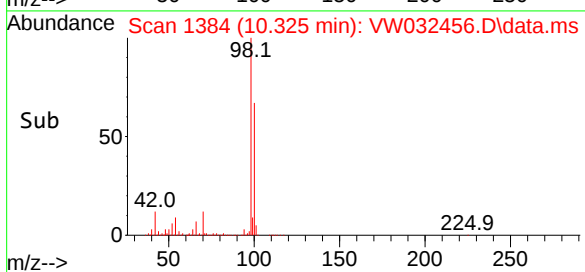
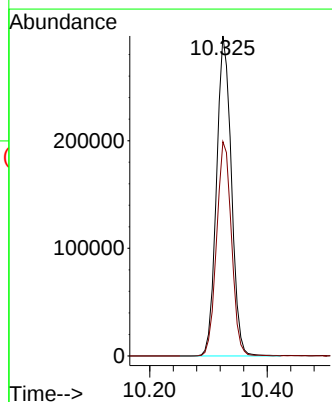
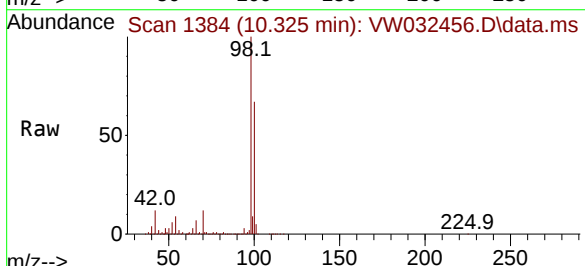
Acq: 17 Nov 2025 14:33

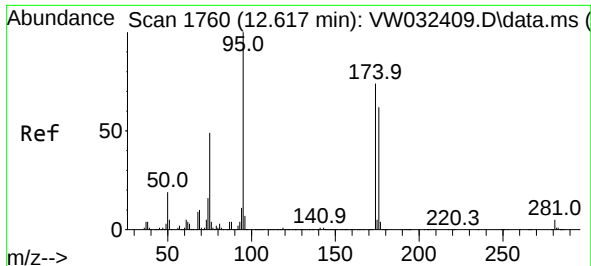
Tgt Ion: 98 Resp: 521048

Ion Ratio Lower Upper

98 100

100 67.1 53.3 79.9

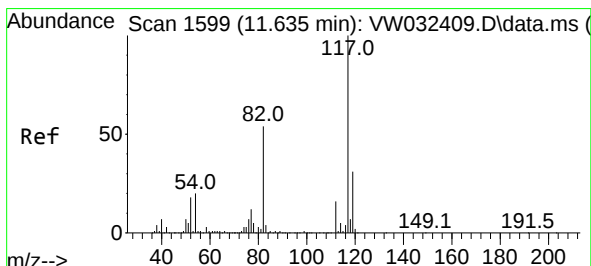
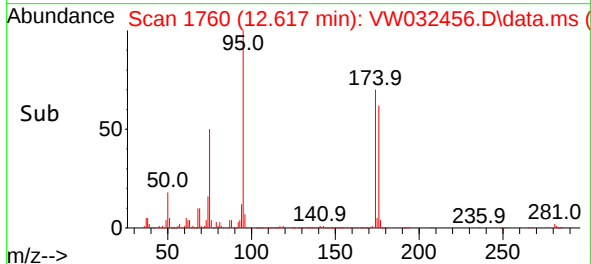
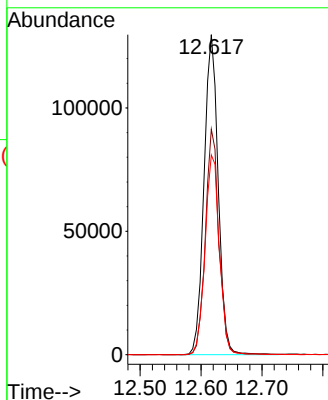
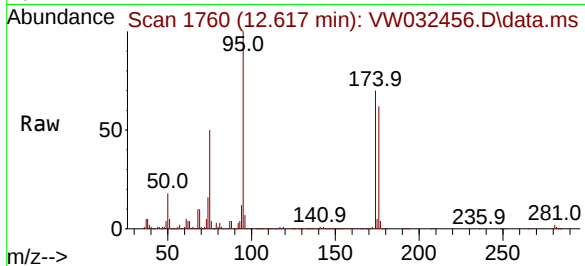




#62
4-Bromofluorobenzene
Concen: 52.581 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

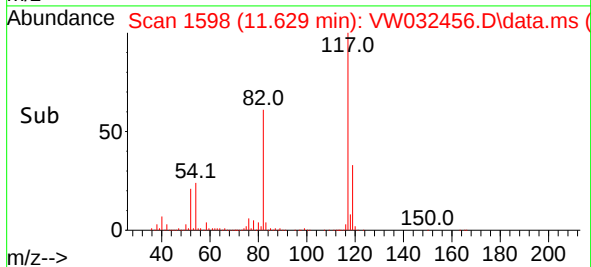
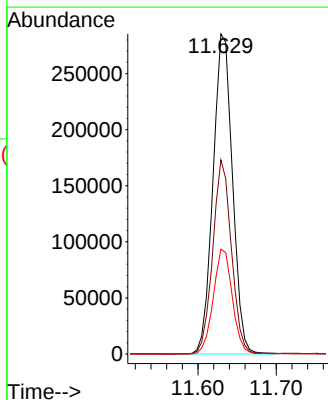
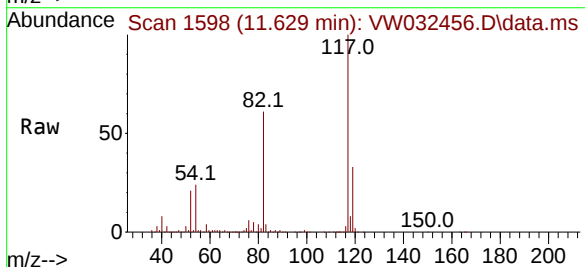
Instrument :
MSVOA_W
ClientSampleId :
ETGI-369

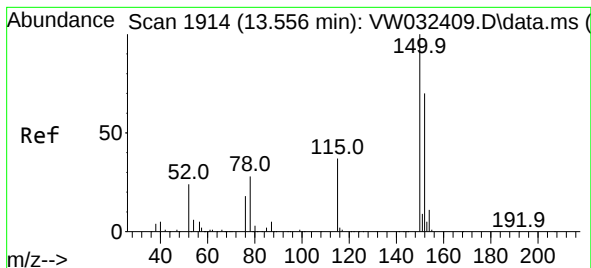
Tgt Ion: 95 Resp: 209467
Ion Ratio Lower Upper
95 100
174 67.7 0.0 135.4
176 63.4 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

Tgt Ion: 117 Resp: 492831
Ion Ratio Lower Upper
117 100
82 60.6 43.0 64.4
119 32.7 25.0 37.6

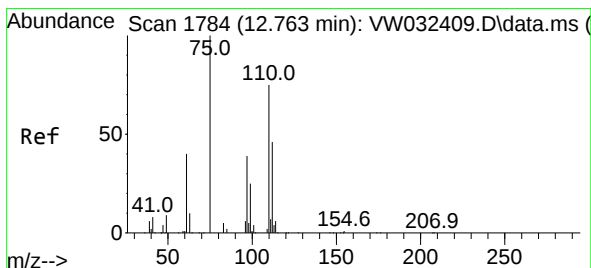
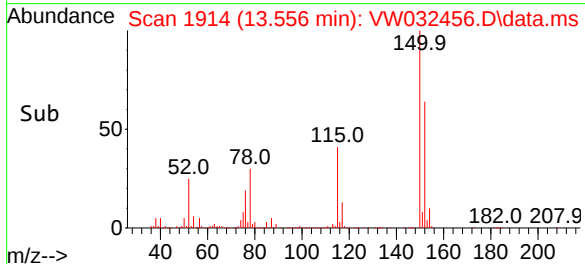
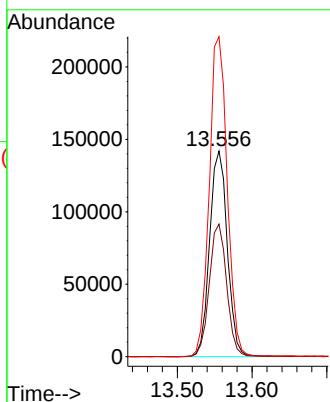
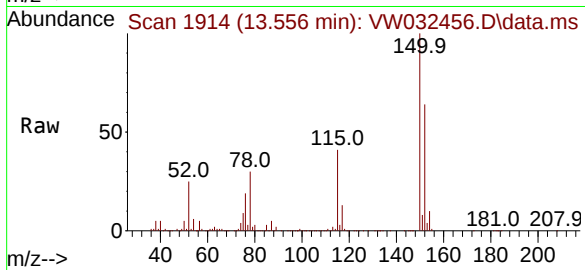




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

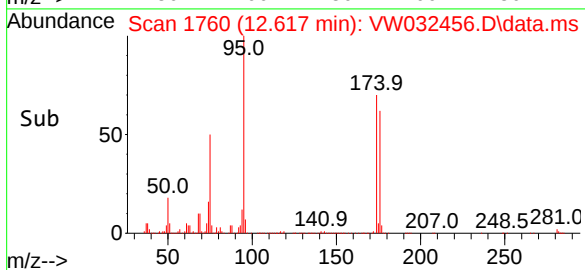
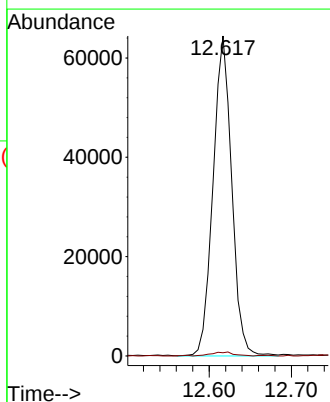
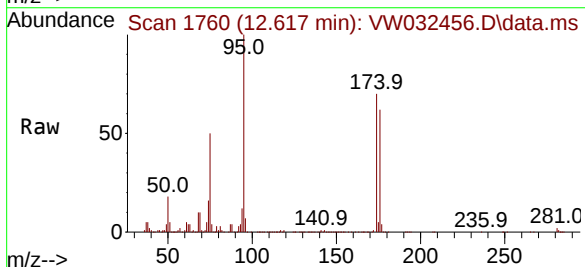
Instrument :
MSVOA_W
ClientSampleId :
ETGI-369

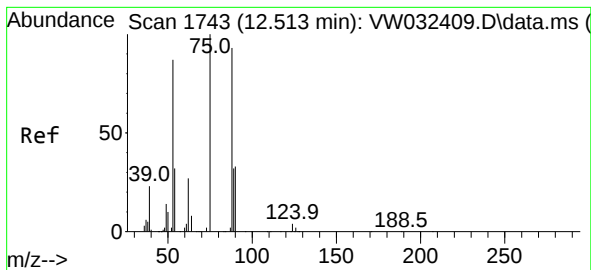
Tgt Ion:152 Resp: 234135
Ion Ratio Lower Upper
152 100
115 63.6 32.8 98.3
150 157.6 0.0 356.6



#76
1,2,3-Trichloropropane
Concen: 31.732 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032456.D
Acq: 17 Nov 2025 14:33

Tgt Ion: 75 Resp: 101873
Ion Ratio Lower Upper
75 100
77 1.4 151.6 454.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.681 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032456.D
 Acq: 17 Nov 2025 14:33

Instrument :
 MSVOA_W
 ClientSampleId :
 ETGI-369

Tgt Ion: 75 Resp: 101873
 Ion Ratio Lower Upper
 75 100
 53 0.3 77.8 116.8#
 89 0.1 35.6 53.4#

