

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032274.D
 Acq On : 26 Sep 2025 12:56
 Operator : SY/MD
 Sample : Q3200-01
 Misc : 5.22g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETGI-367

Quant Time: Sep 27 04:35:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W092525S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:11:42 2025
 Response via : Initial Calibration

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

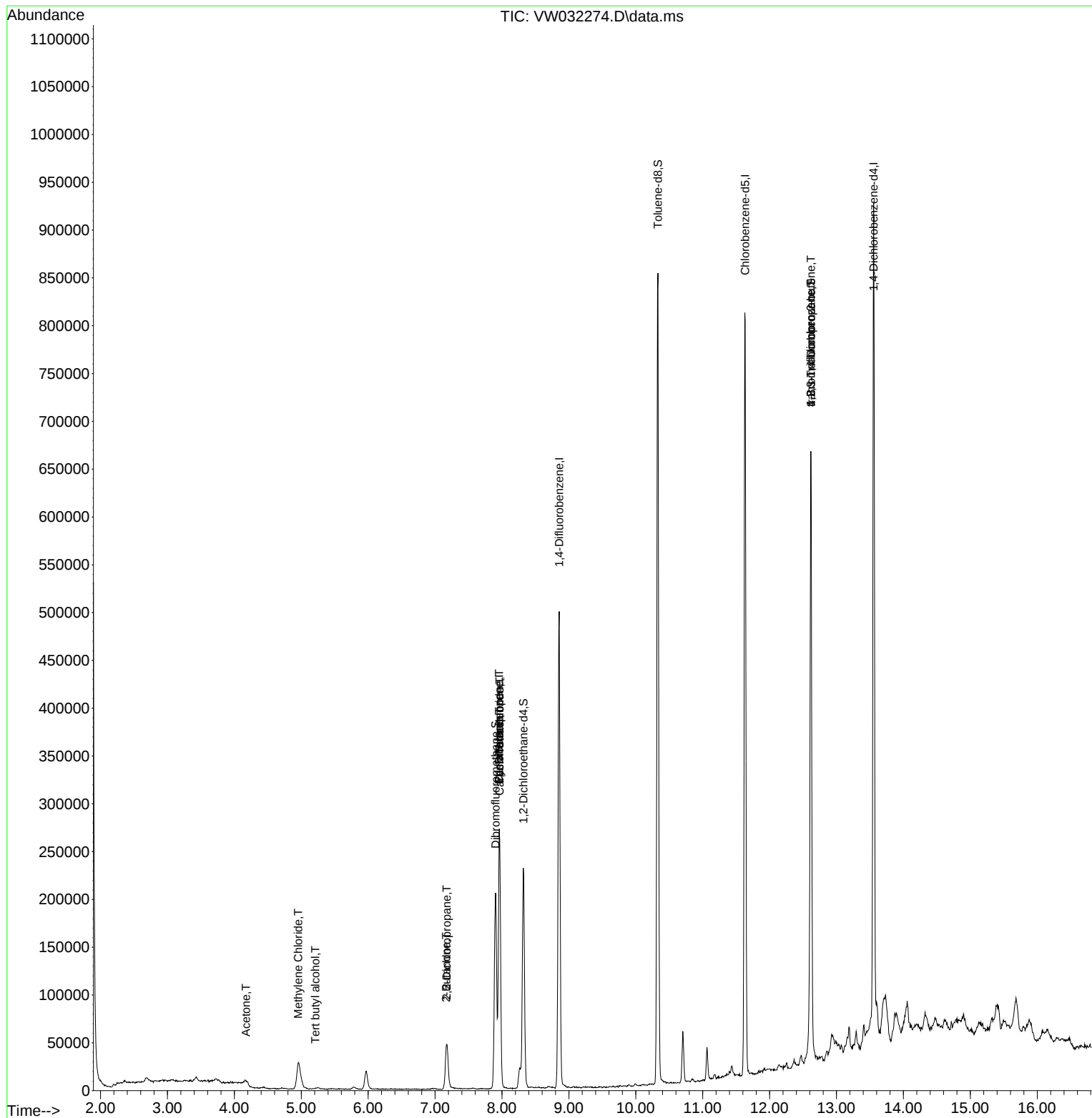
Internal Standards						
1) Pentafluorobenzene	7.959	168	185336	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	415634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	446606	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	227143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	186923	63.874	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 127.740%		
35) Dibromofluoromethane	7.904	113	152779	51.112	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 102.220%		
50) Toluene-d8	10.331	98	568841	52.804	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 105.600%		
62) 4-Bromofluorobenzene	12.617	95	223837	55.085	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 110.160%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.210	59	1643	8.088	ug/l #	75
16) Acetone	4.173	43	4882	6.496	ug/l #	82
20) Methylene Chloride	4.954	84	26873	2.775	ug/l	89
25) 2-Butanone	7.167	43	3201	3.056	ug/l #	83
26) 2,2-Dichloropropane	7.173	77	3727	1.578	ug/l #	52
31) Cyclohexane	7.959	56	5298	1.402	ug/l #	13
36) 1,1-Dichloropropene	7.959	75	17694	4.391	ug/l #	49
38) Carbon Tetrachloride	7.965	117	21030	5.547	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	110350	35.312	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	110350	91.722	ug/l #	9

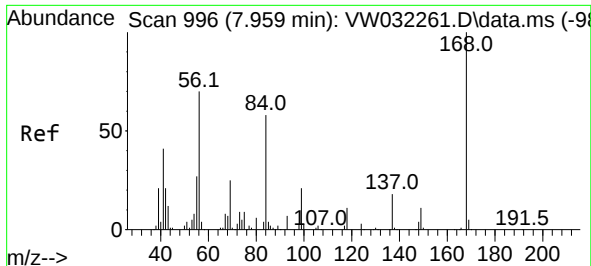
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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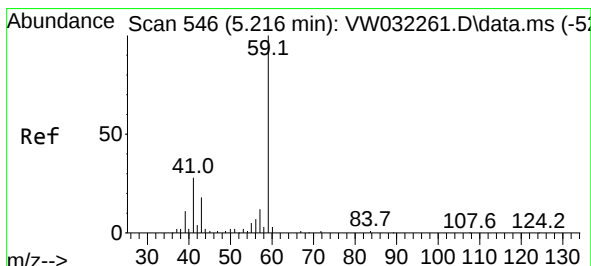
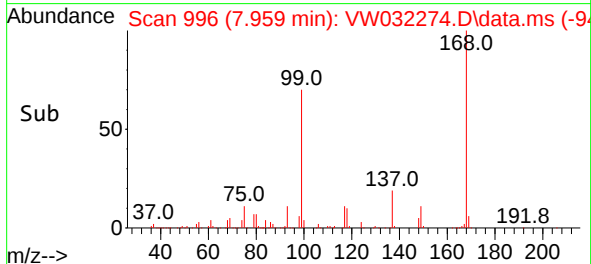
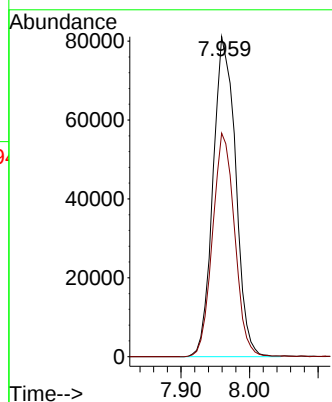
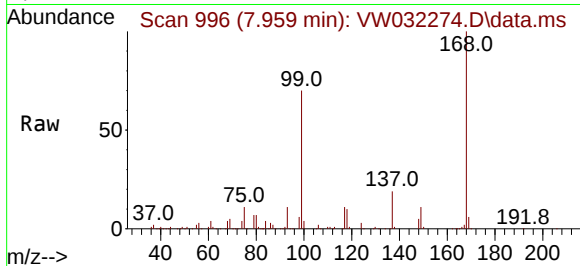




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

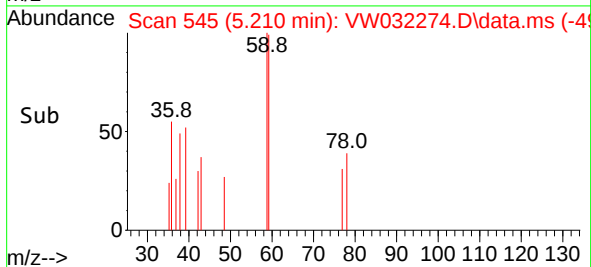
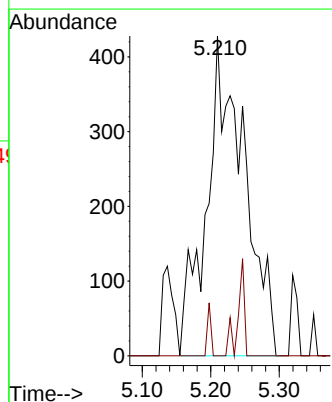
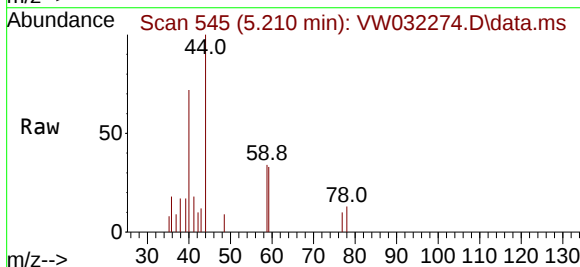
Instrument :
MSVOA_W
ClientSampleId :
ETGI-367

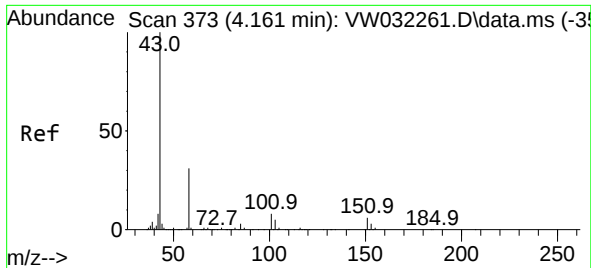
Tgt Ion:168 Resp: 185336
Ion Ratio Lower Upper
168 100
99 69.8 55.0 82.4



#11
Tert butyl alcohol
Concen: 8.088 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.006 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

Tgt Ion: 59 Resp: 1643
Ion Ratio Lower Upper
59 100
57 1.6 8.9 13.3#





#16

Acetone

Concen: 6.496 ug/l

RT: 4.173 min Scan# 31

Delta R.T. 0.012 min

Lab File: VW032274.D

Acq: 26 Sep 2025 12:56

Instrument :

MSVOA_W

ClientSampleId :

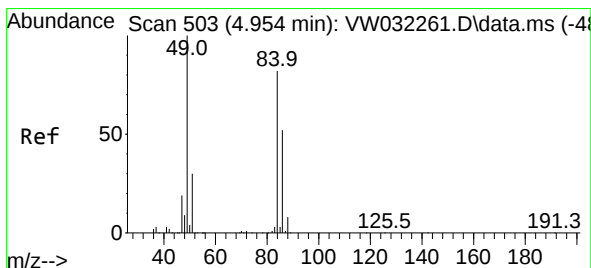
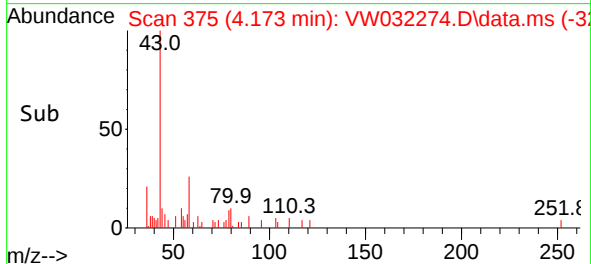
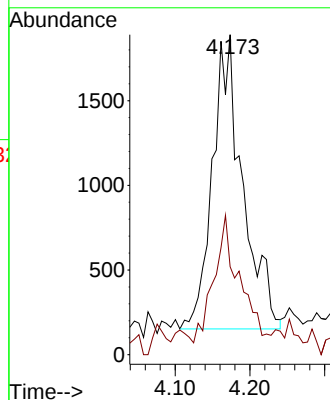
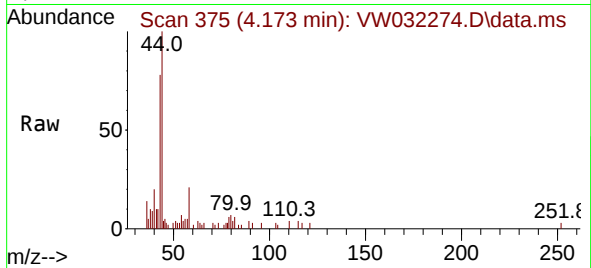
ETGI-367

Tgt Ion: 43 Resp: 4882

Ion Ratio Lower Upper

43 100

58 21.9 25.4 38.0#



#20

Methylene Chloride

Concen: 2.775 ug/l

RT: 4.954 min Scan# 503

Delta R.T. -0.000 min

Lab File: VW032274.D

Acq: 26 Sep 2025 12:56

Tgt Ion: 84 Resp: 26873

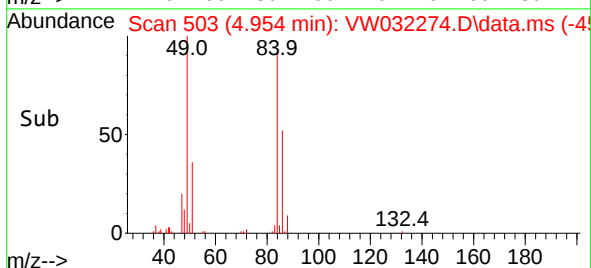
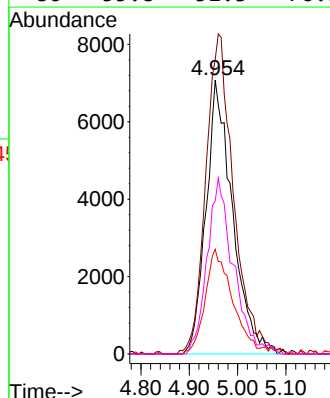
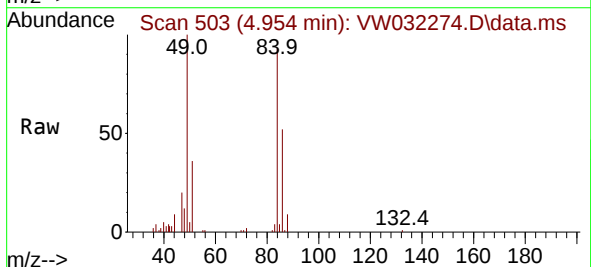
Ion Ratio Lower Upper

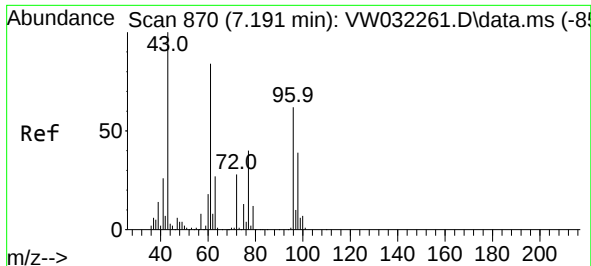
84 100

49 106.2 97.8 146.6

51 38.2 29.9 44.9

86 55.8 51.3 76.9

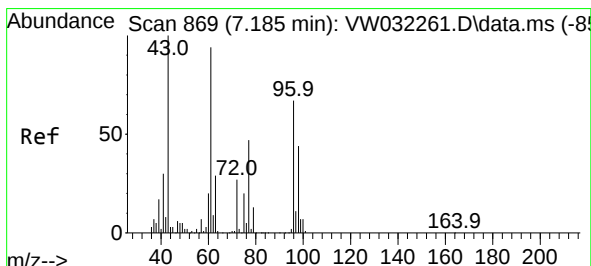
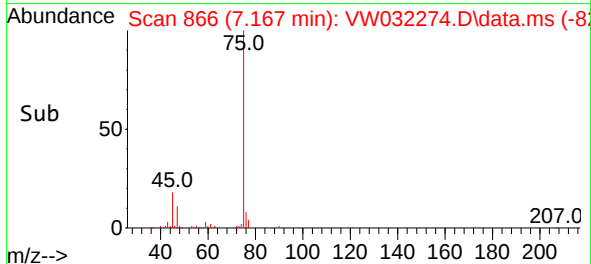
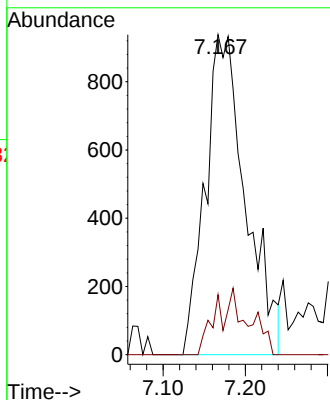
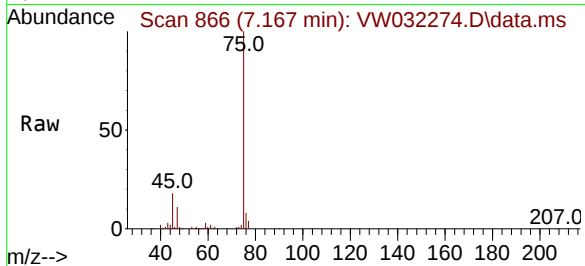




#25
2-Butanone
Concen: 3.056 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

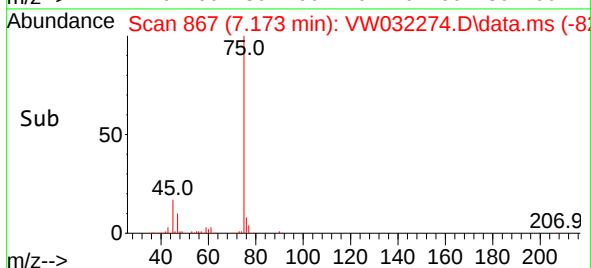
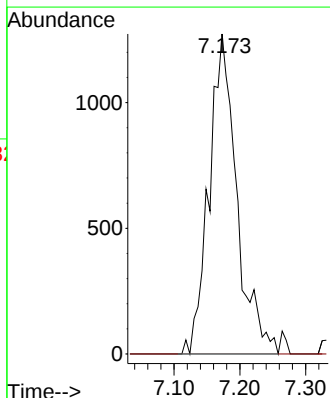
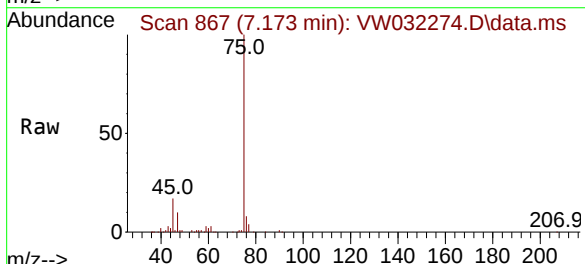
Instrument :
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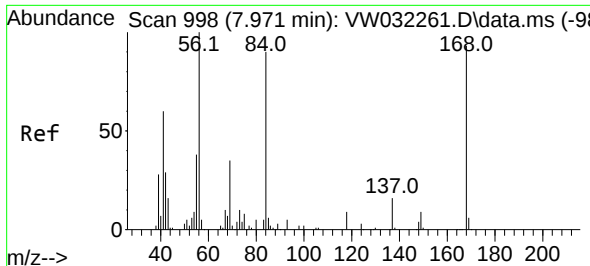
Tgt Ion: 43 Resp: 3201
Ion Ratio Lower Upper
43 100
72 18.8 22.3 33.5#



#26
2,2-Dichloropropane
Concen: 1.578 ug/l
RT: 7.173 min Scan# 867
Delta R.T. -0.012 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

Tgt Ion: 77 Resp: 3727
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#

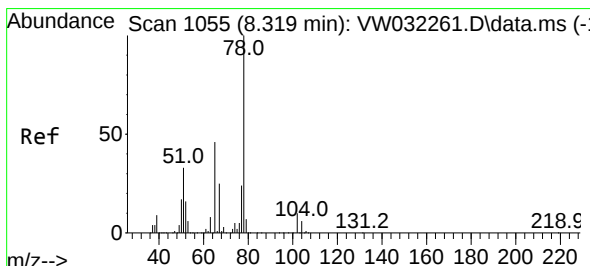
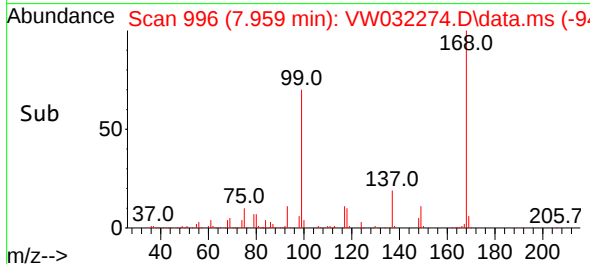
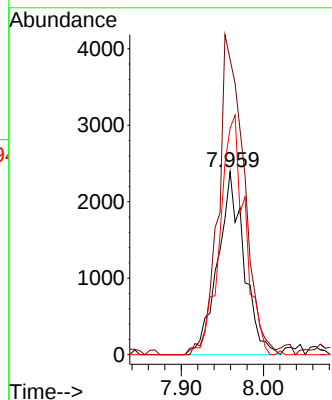
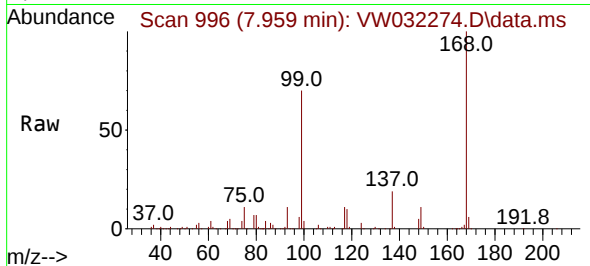




#31
Cyclohexane
Concen: 1.402 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

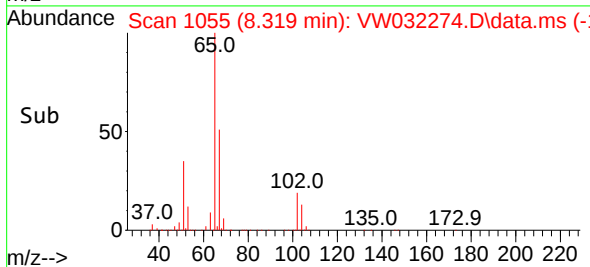
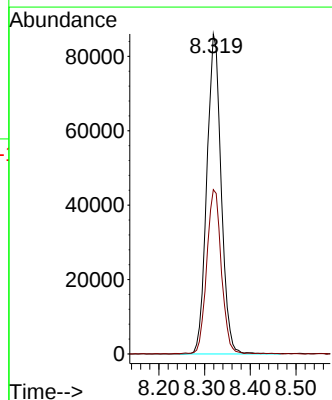
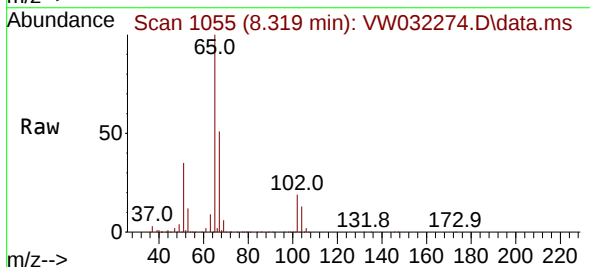
Instrument :
MSVOA_W
ClientSampleId :
ETGI-367

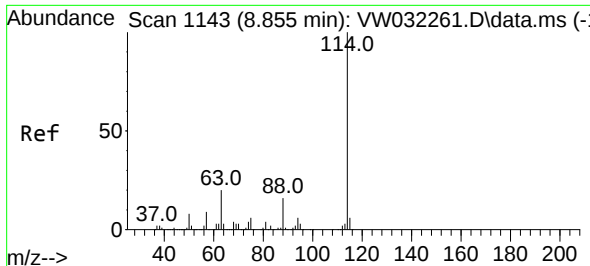
Tgt Ion: 56 Resp: 5298
Ion Ratio Lower Upper
56 100
69 161.2 28.2 42.2#
84 123.8 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 63.874 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

Tgt Ion: 65 Resp: 186923
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8

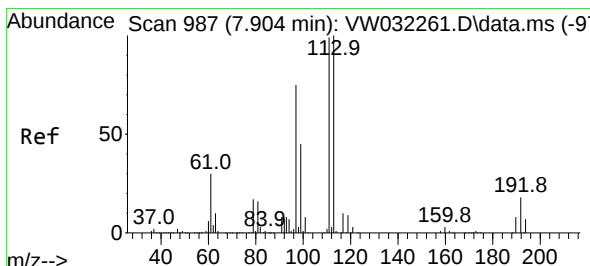
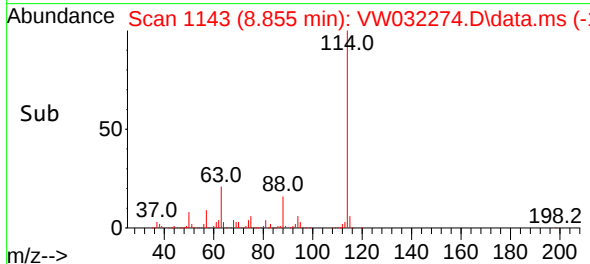
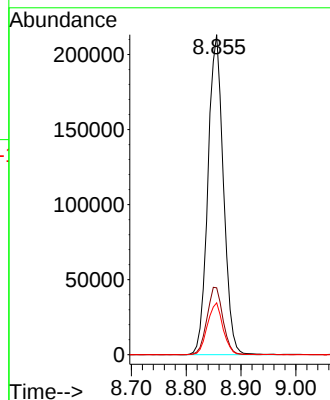
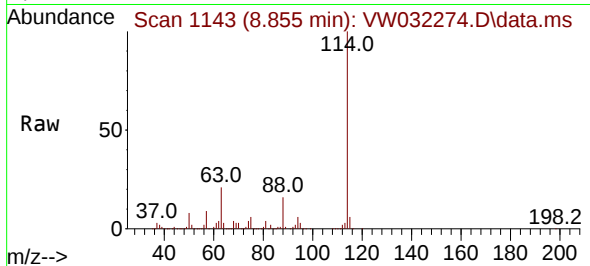




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

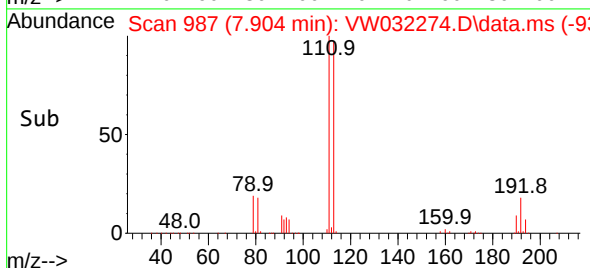
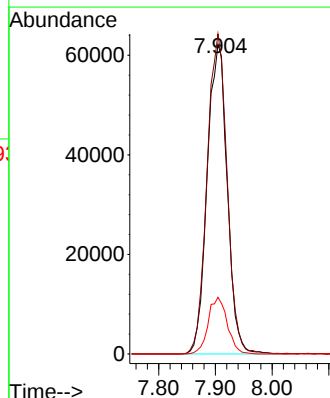
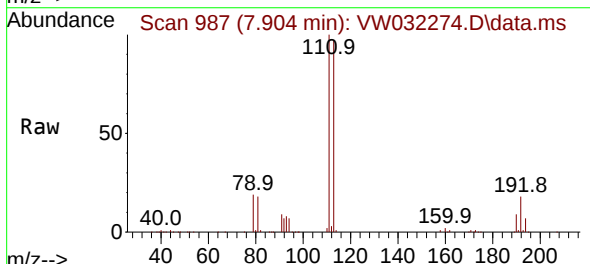
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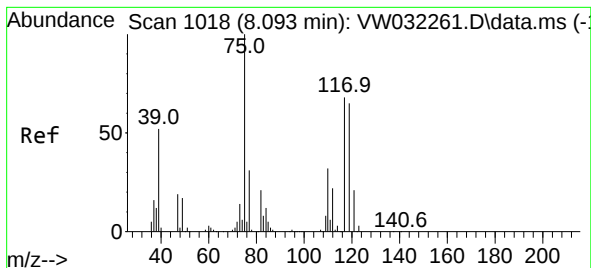
Tgt Ion:114 Resp: 415634
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.2
88 16.2 0.0 32.0



#35
Dibromofluoromethane
Concen: 51.112 ug/l
RT: 7.904 min Scan# 987
Delta R.T. 0.000 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

Tgt Ion:113 Resp: 152779
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 17.4 13.0 19.4





#36

1,1-Dichloropropene

Concen: 4.391 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.134 min

Lab File: VW032274.D

Acq: 26 Sep 2025 12:56

Instrument :

MSVOA_W

ClientSampleId :

ETGI-367

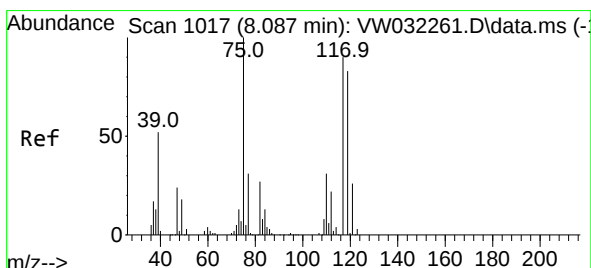
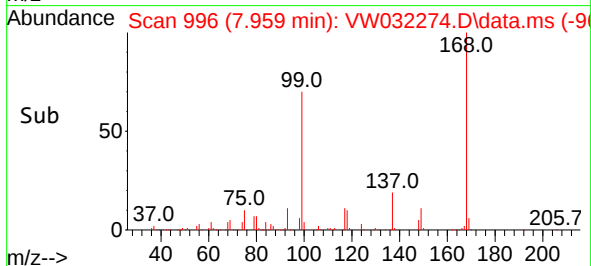
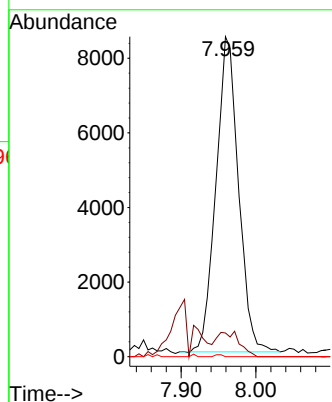
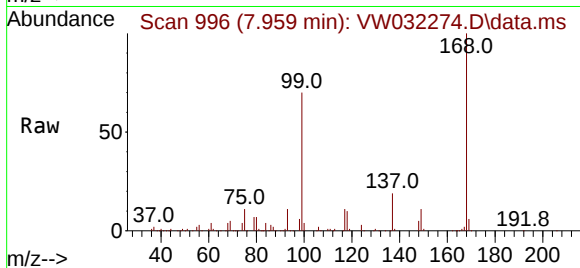
Tgt Ion: 75 Resp: 17694

Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.1#

77 0.0 25.2 37.8#



#38

Carbon Tetrachloride

Concen: 5.547 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

Lab File: VW032274.D

Acq: 26 Sep 2025 12:56

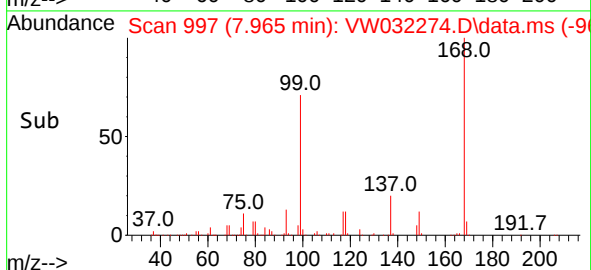
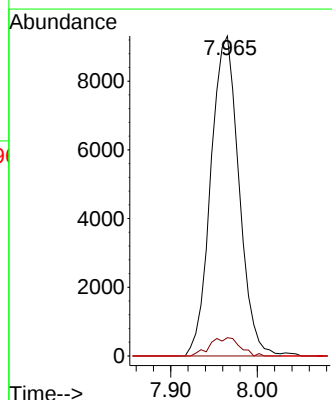
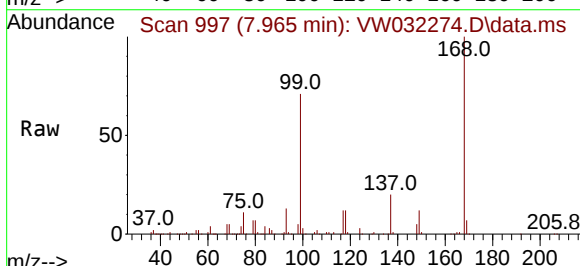
Tgt Ion: 117 Resp: 21030

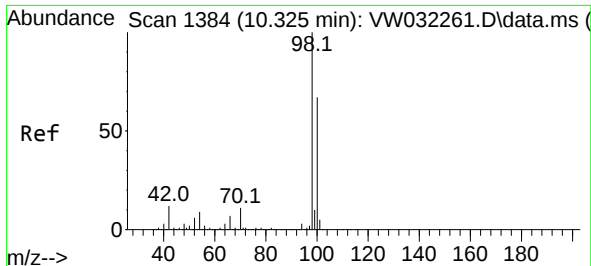
Ion Ratio Lower Upper

117 100

119 5.7 73.9 110.9#

121 0.0 23.0 34.6#

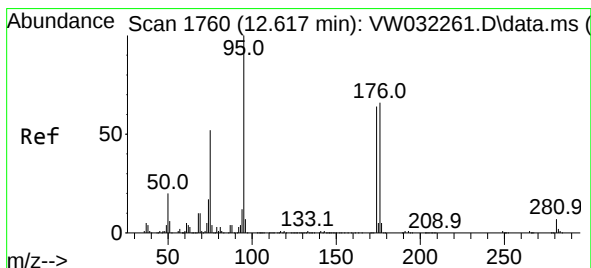
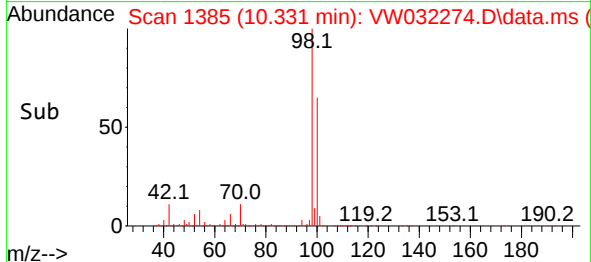
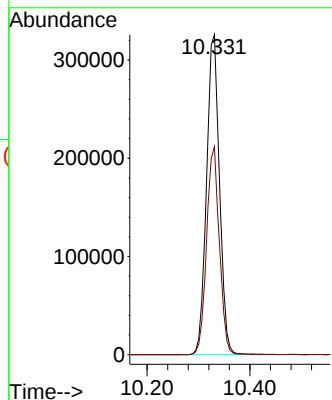
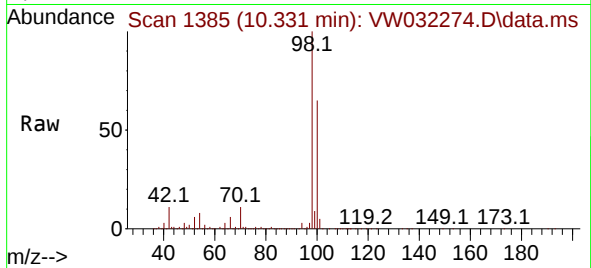




#50
Toluene-d8
Concen: 52.804 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

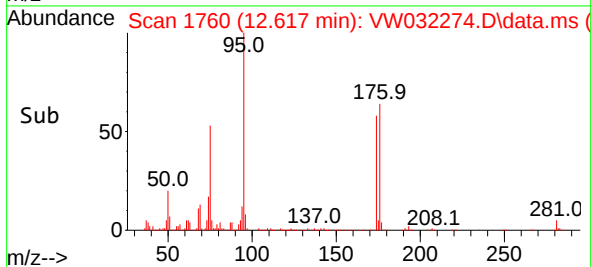
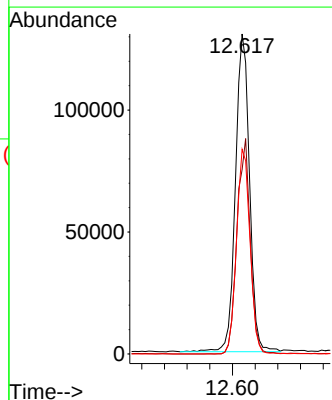
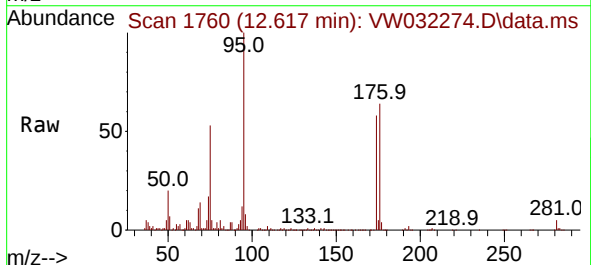
Instrument :
MSVOA_W
ClientSampleId :
ETGI-367

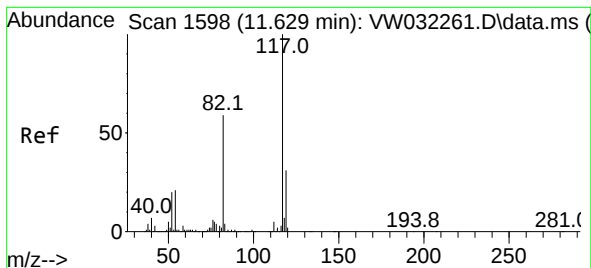
Tgt Ion: 98 Resp: 568841
Ion Ratio Lower Upper
98 100
100 64.1 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 55.085 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

Tgt Ion: 95 Resp: 223837
Ion Ratio Lower Upper
95 100
174 63.7 0.0 130.6
176 62.2 0.0 127.0

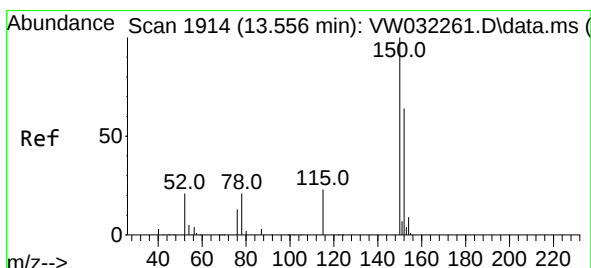
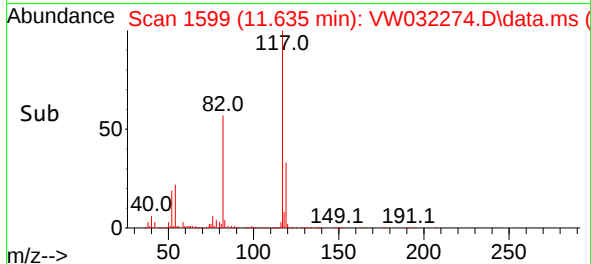
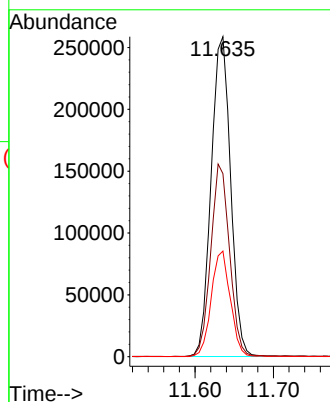
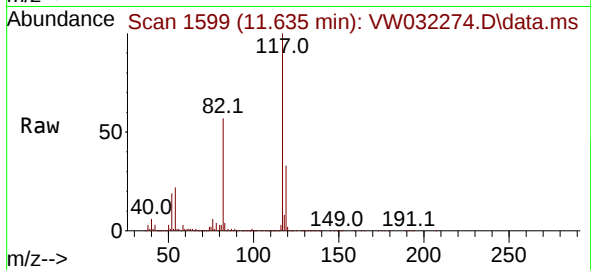




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

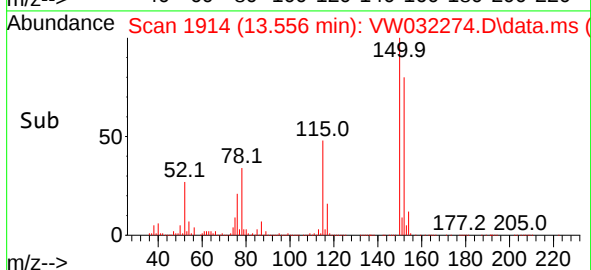
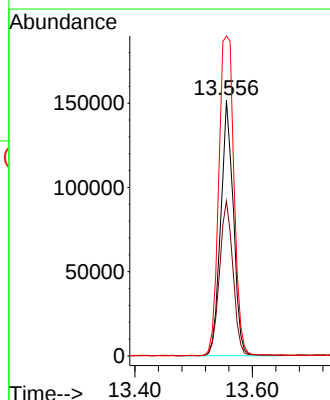
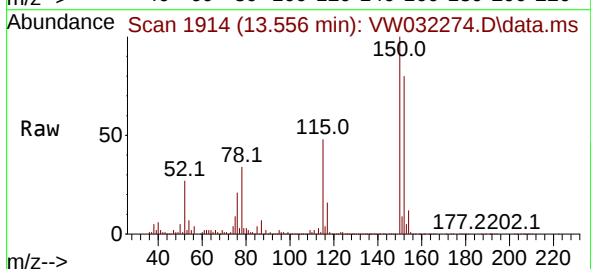
Instrument :
MSVOA_W
ClientSampleId :
ETGI-367

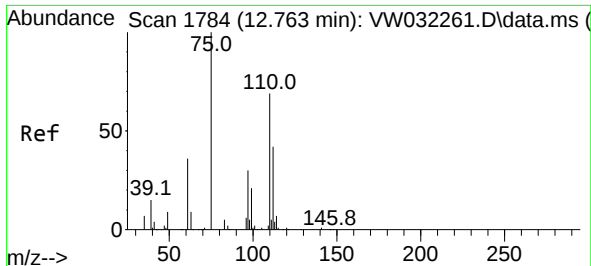
Tgt Ion:117 Resp: 446606
Ion Ratio Lower Upper
117 100
82 57.1 46.9 70.3
119 33.0 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

Tgt Ion:152 Resp: 227143
Ion Ratio Lower Upper
152 100
115 64.2 32.5 97.5
150 150.0 0.0 370.2

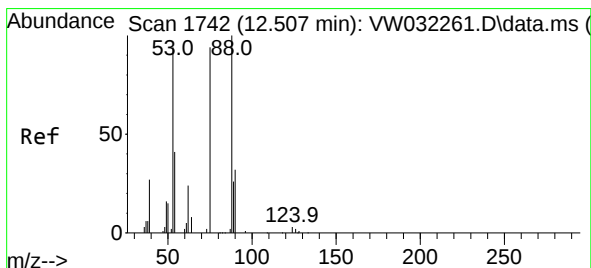
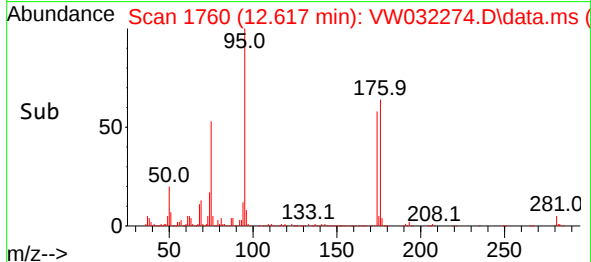
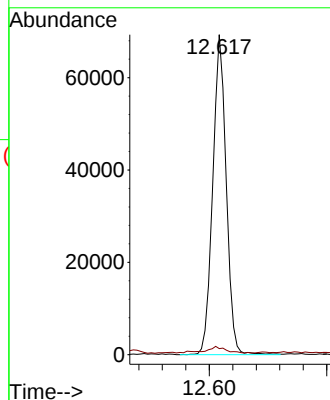
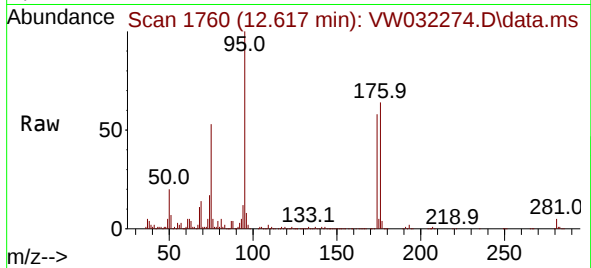




#76
1,2,3-Trichloropropane
Concen: 35.312 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

Instrument :
MSVOA_W
ClientSampleId :
ETGI-367

Tgt Ion: 75 Resp: 110350
Ion Ratio Lower Upper
75 100
77 2.4 140.9 422.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.722 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032274.D
Acq: 26 Sep 2025 12:56

Tgt Ion: 75 Resp: 110350
Ion Ratio Lower Upper
75 100
53 0.2 81.4 122.2#
89 0.1 35.4 53.2#

