

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111725\
 Data File : VW032458.D
 Acq On : 17 Nov 2025 15:17
 Operator : SY/MD
 Sample : Q3633-05
 Misc : 5.98g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 ETGI-368

Quant Time: Nov 18 03:05:33 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)

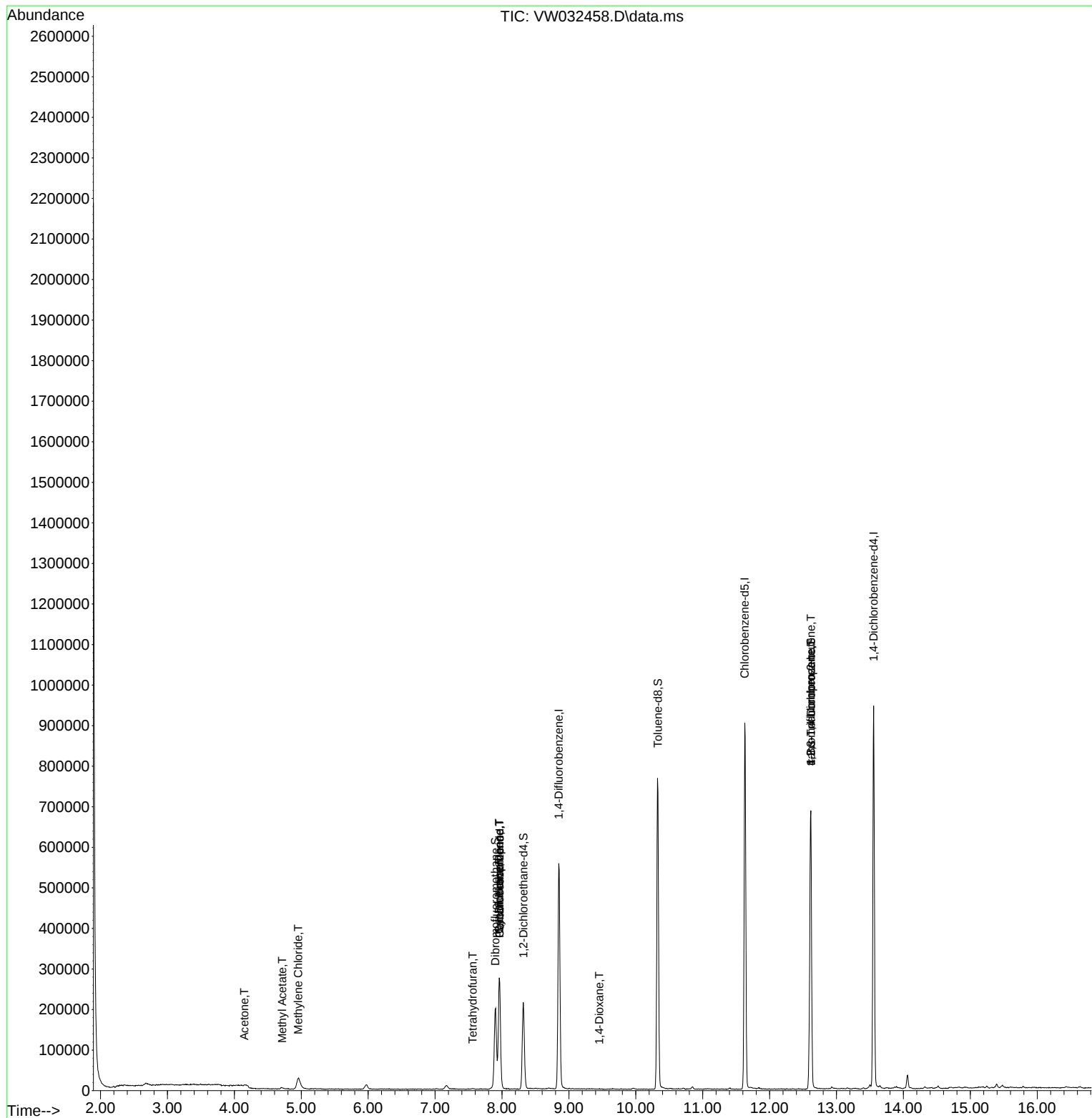
Internal Standards						
1) Pentafluorobenzene	7.965	168	188777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	470567	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	498702	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	241629	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	171687	70.543	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 141.080%		
35) Dibromofluoromethane	7.898	113	149308	52.995	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 106.000%		
50) Toluene-d8	10.330	98	508311	47.029	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 94.060%		
62) 4-Bromofluorobenzene	12.617	95	215727	52.835	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 105.680%		
Target Compounds						
					Qvalue	
16) Acetone	4.149	43	1135	1.559	ug/l	95
18) Methyl Acetate	4.716	43	5723	3.174	ug/l #	83
20) Methylene Chloride	4.953	84	24262	9.317	ug/l	93
29) Tetrahydrofuran	7.563	42	772	1.134	ug/l #	79
31) Cyclohexane	7.959	56	5181	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	18831	4.536	ug/l #	49
38) Carbon Tetrachloride	7.965	117	20923	5.673	ug/l #	16
49) 1,4-Dioxane	9.452	88	83	3.046	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	110077	33.224	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	110077	76.099	ug/l #	11

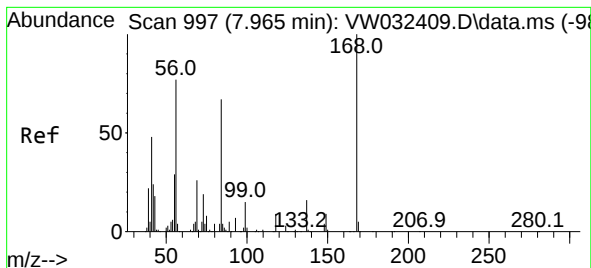
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.965 min Scan# 99

Delta R.T. -0.000 min

Lab File: VW032458.D

Acq: 17 Nov 2025 15:17

Instrument :

MSVOA_W

ClientSampleId :

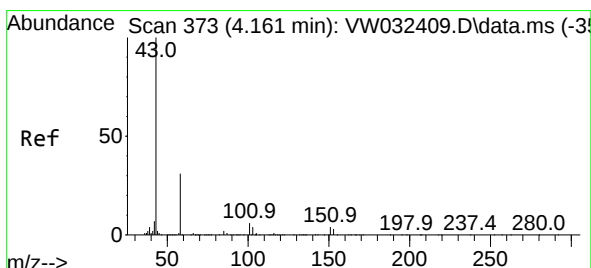
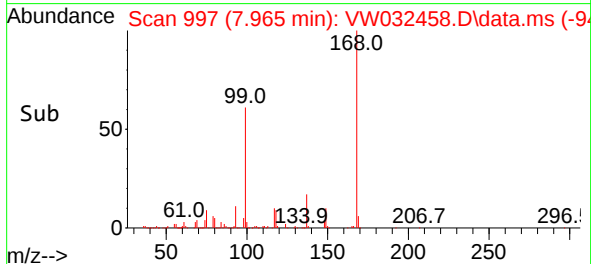
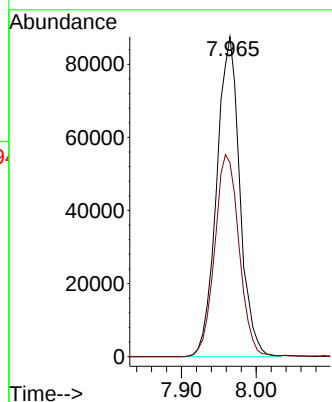
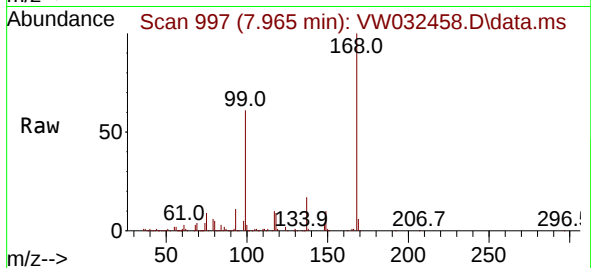
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Tgt Ion:168 Resp: 188777

Ion Ratio Lower Upper

168 100

99 60.5 45.4 68.2



#16

Acetone

Concen: 1.559 ug/l

RT: 4.149 min Scan# 371

Delta R.T. -0.012 min

Lab File: VW032458.D

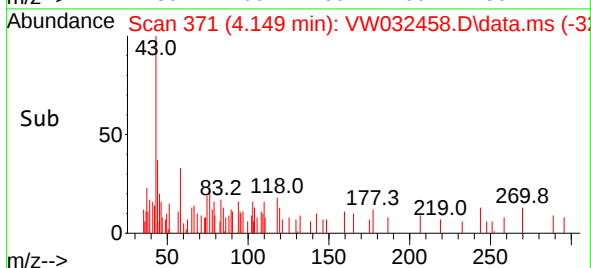
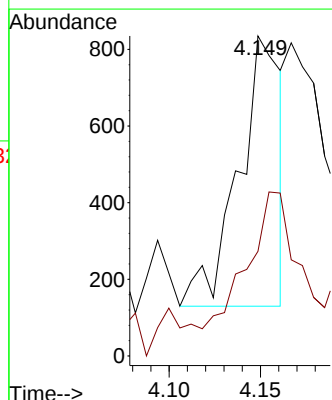
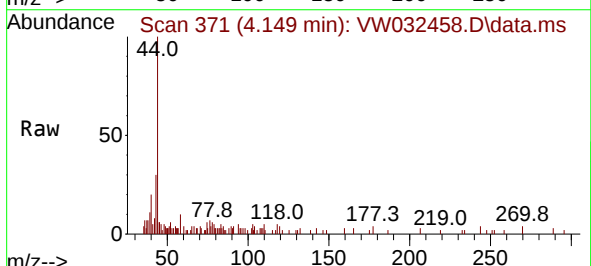
Acq: 17 Nov 2025 15:17

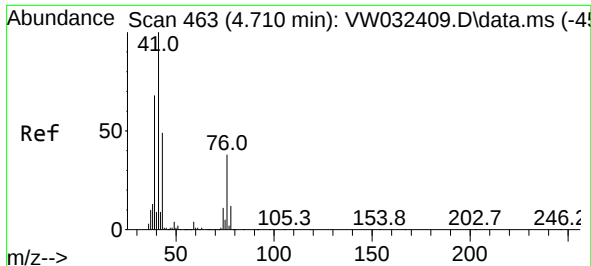
Tgt Ion: 43 Resp: 1135

Ion Ratio Lower Upper

43 100

58 28.4 24.8 37.2

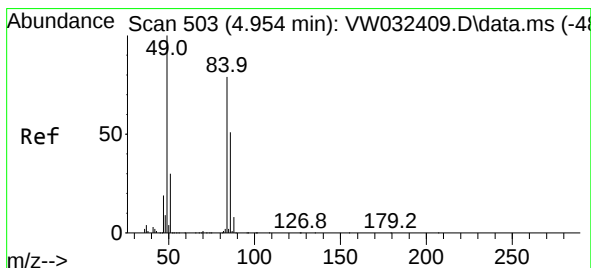
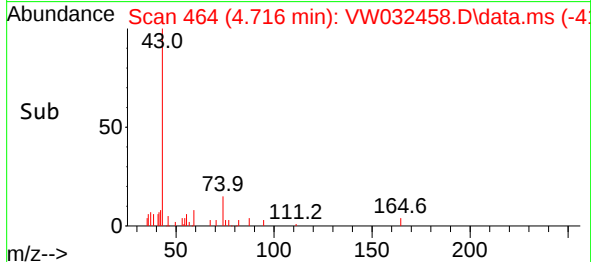
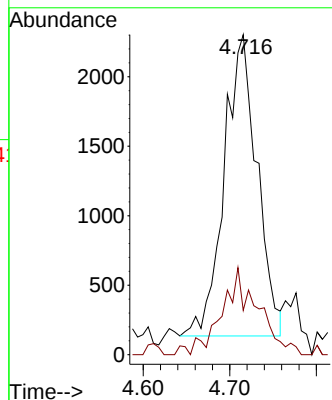
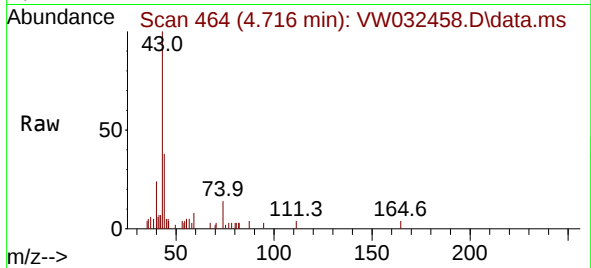




#18
Methyl Acetate
Concen: 3.174 ug/l
RT: 4.716 min Scan# 41
Delta R.T. 0.006 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

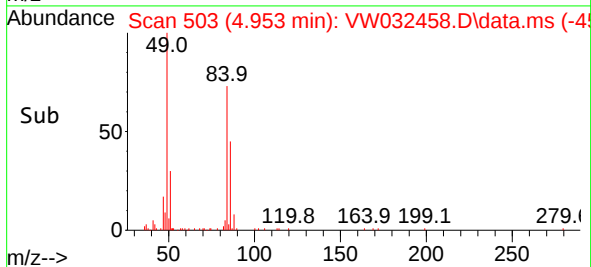
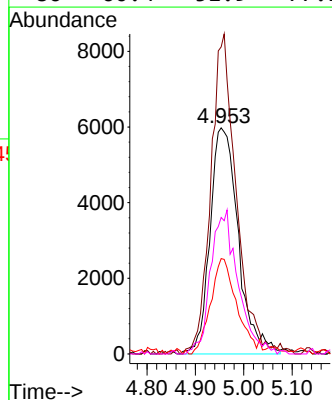
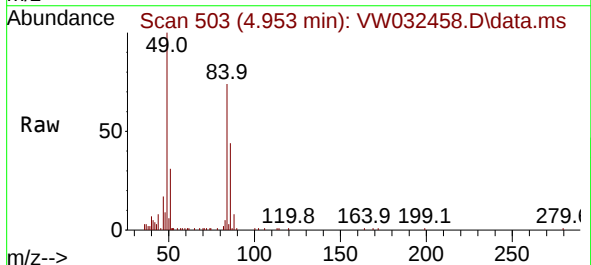
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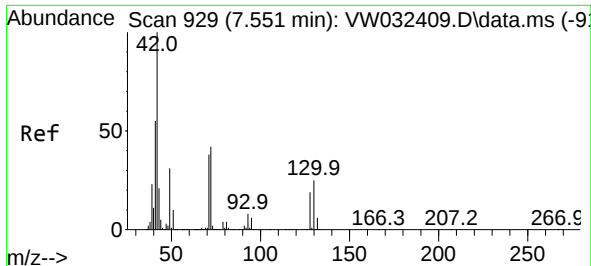
Tgt Ion: 43 Resp: 5723
Ion Ratio Lower Upper
43 100
74 32.0 18.9 28.3#



#20
Methylene Chloride
Concen: 9.317 ug/l
RT: 4.953 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

Tgt Ion: 84 Resp: 24262
Ion Ratio Lower Upper
84 100
49 135.8 101.5 152.3
51 40.7 30.6 46.0
86 60.4 51.9 77.9





#29

Tetrahydrofuran

Concen: 1.134 ug/l

RT: 7.563 min Scan# 91

Delta R.T. 0.012 min

Lab File: VW032458.D

Acq: 17 Nov 2025 15:17

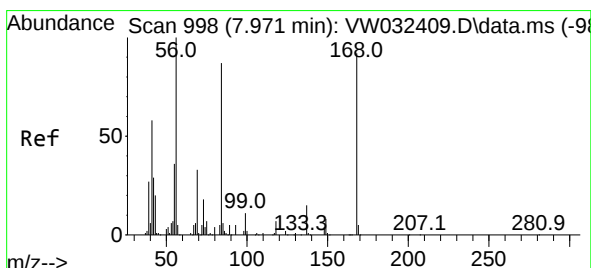
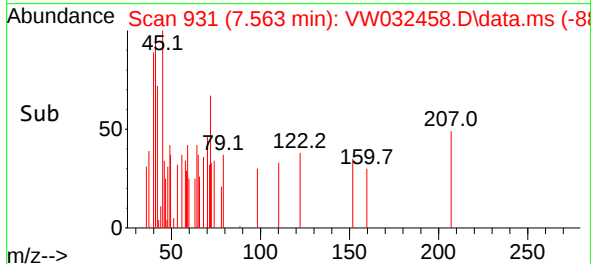
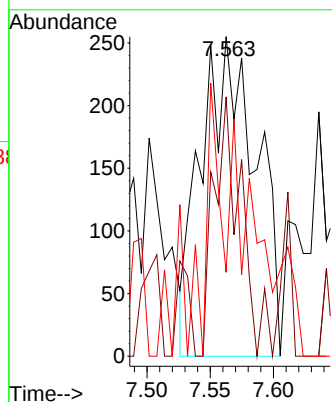
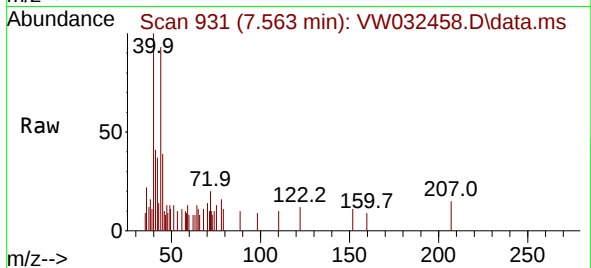
Instrument :

MSVOA_W

ClientSampleId :

ETGI-368

Tgt Ion: 42	Resp: 772
Ion Ratio	Lower Upper
42	100
72	37.6 33.6 50.4
71	17.2 31.4 47.0#



#31

Cyclohexane

Concen: 1.287 ug/l

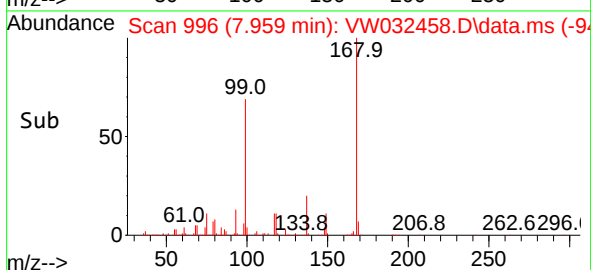
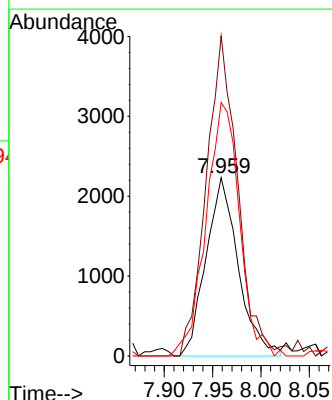
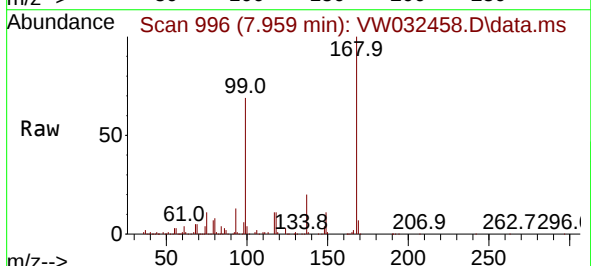
RT: 7.959 min Scan# 996

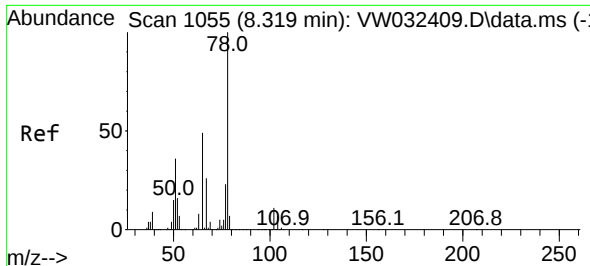
Delta R.T. -0.012 min

Lab File: VW032458.D

Acq: 17 Nov 2025 15:17

Tgt Ion: 56	Resp: 5181
Ion Ratio	Lower Upper
56	100
69	179.5 26.5 39.7#
84	150.1 69.6 104.4#

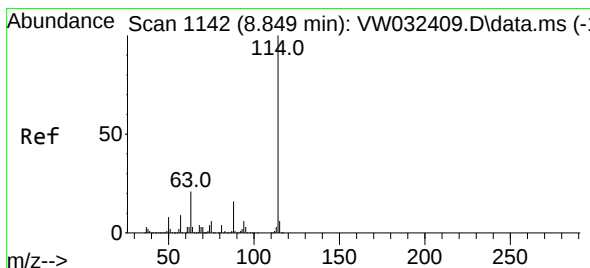
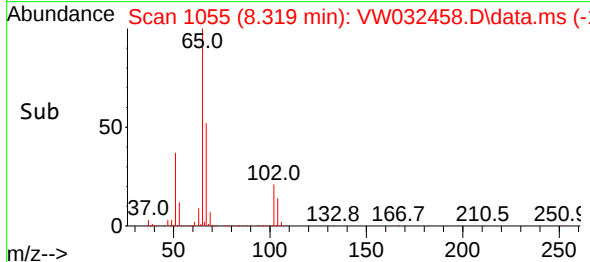
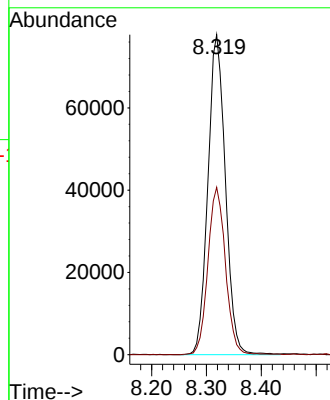
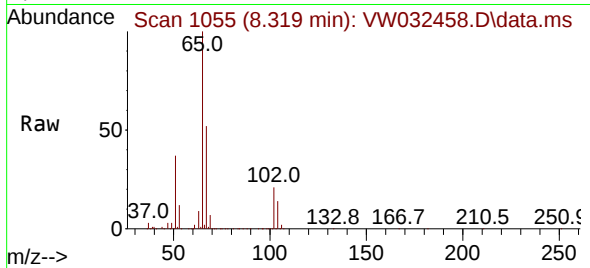




#33
 1,2-Dichloroethane-d4
 Concen: 70.543 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032458.D
 Acq: 17 Nov 2025 15:17

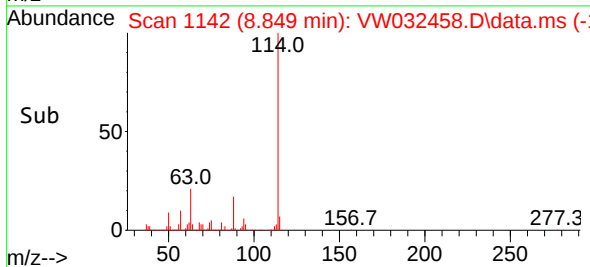
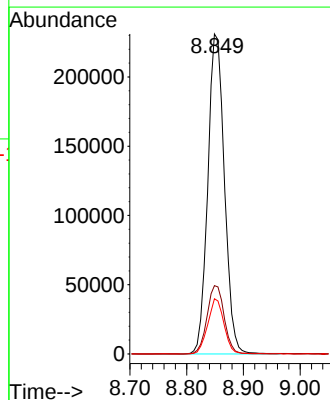
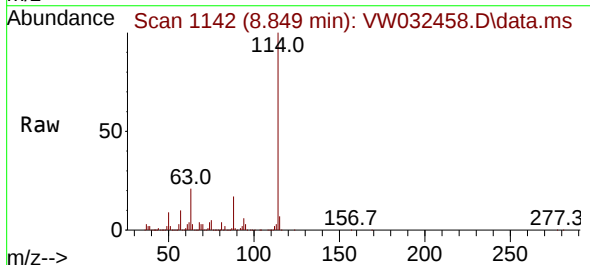
Instrument :
 MSVOA_W
 ClientSampleId :
 ETGI-368

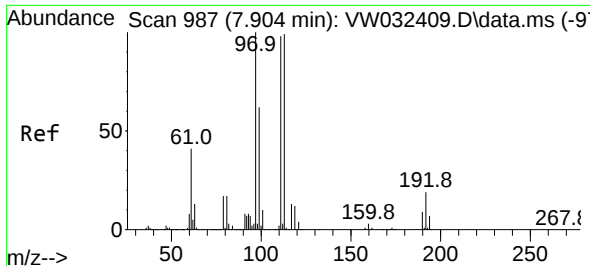
Tgt Ion: 65 Resp: 171687
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.000 min
 Lab File: VW032458.D
 Acq: 17 Nov 2025 15:17

Tgt Ion: 114 Resp: 470567
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.8
 88 17.2 0.0 32.6

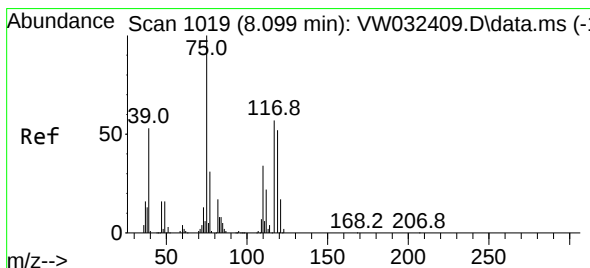
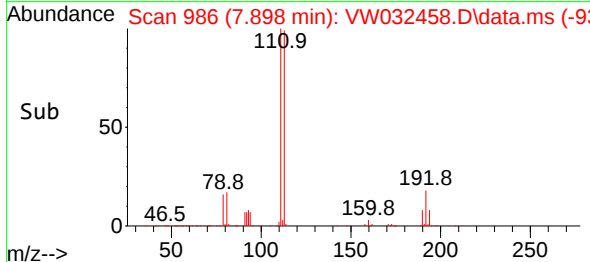
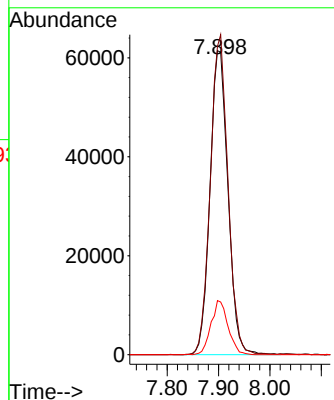
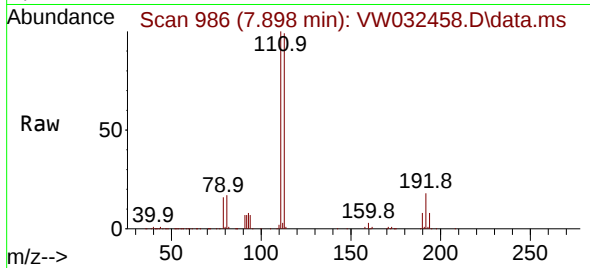




#35
 Dibromofluoromethane
 Concen: 52.995 ug/l
 RT: 7.898 min Scan# 911
 Delta R.T. -0.006 min
 Lab File: VW032458.D
 Acq: 17 Nov 2025 15:17

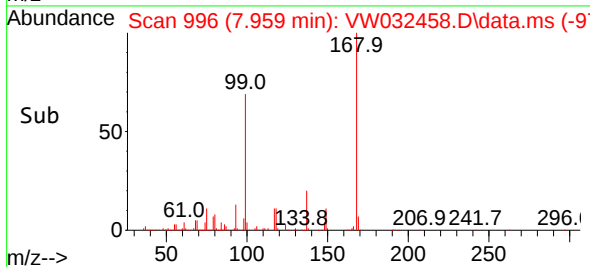
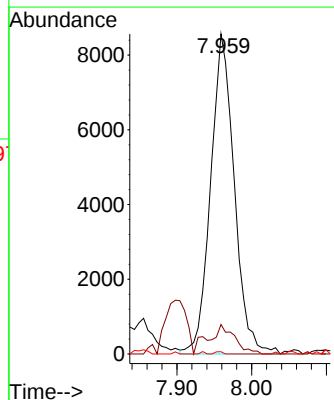
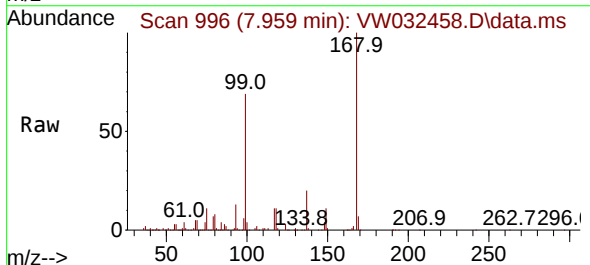
Instrument :
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 ClientSampleId :
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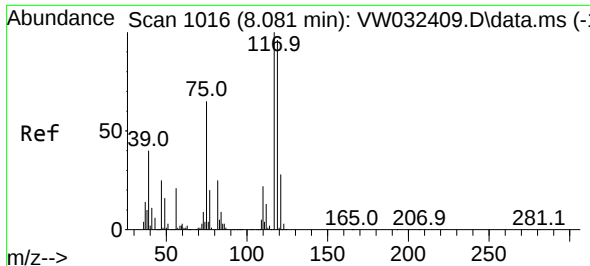
Tgt Ion:113 Resp: 149308
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.1 124.7
 192 16.9 13.4 20.2



#36
 1,1-Dichloropropene
 Concen: 4.536 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032458.D
 Acq: 17 Nov 2025 15:17

Tgt Ion: 75 Resp: 18831
 Ion Ratio Lower Upper
 75 100
 110 7.7 17.2 51.5#
 77 0.2 24.5 36.7#

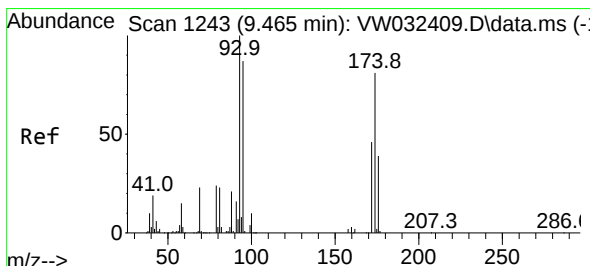
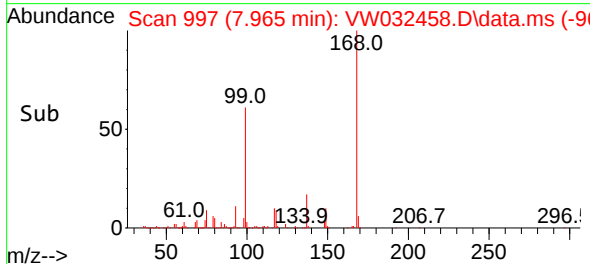
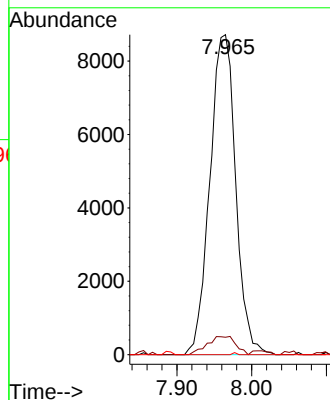
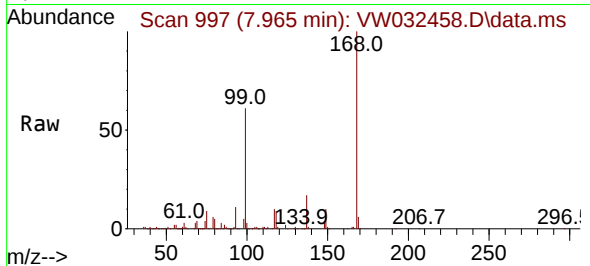




#38
Carbon Tetrachloride
Concen: 5.673 ug/l
RT: 7.965 min Scan# 99
Delta R.T. -0.116 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

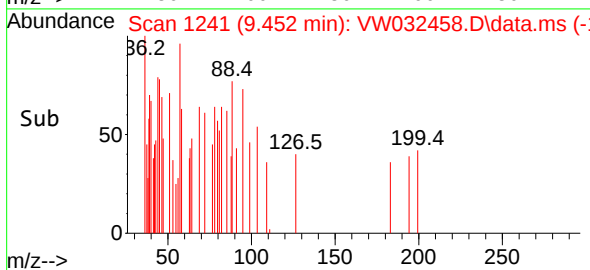
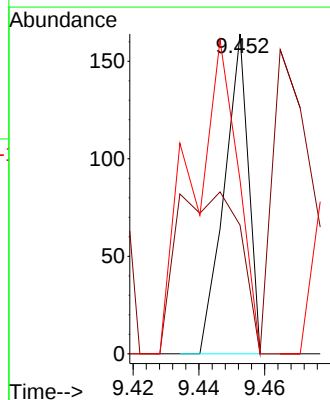
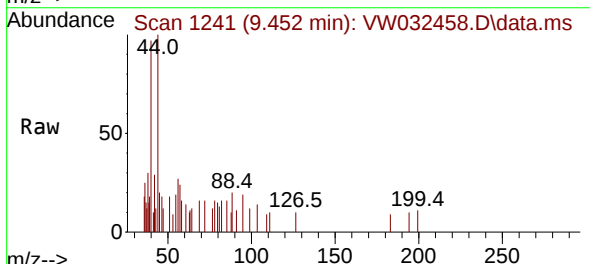
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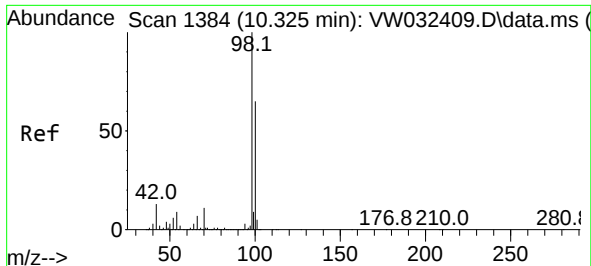
Tgt Ion:117 Resp: 20923
Ion Ratio Lower Upper
117 100
119 5.4 77.0 115.4#
121 0.0 22.0 33.0#



#49
1,4-Dioxane
Concen: 3.046 ug/l
RT: 9.452 min Scan# 1241
Delta R.T. -0.012 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

Tgt Ion: 88 Resp: 83
Ion Ratio Lower Upper
88 100
43 133.7 0.0 0.0#
58 189.2 63.0 94.4#

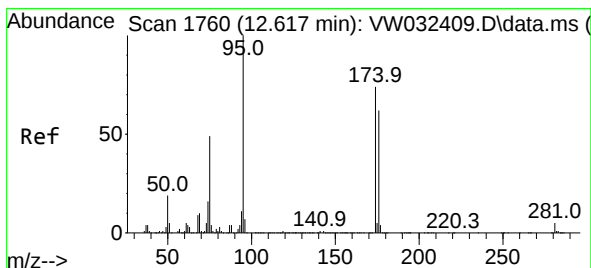
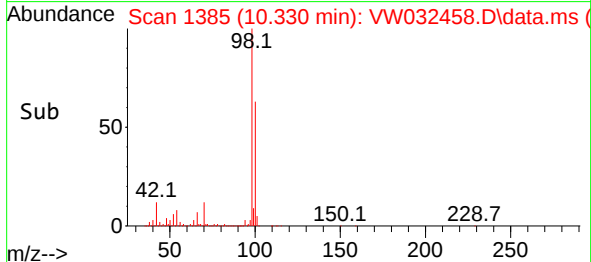
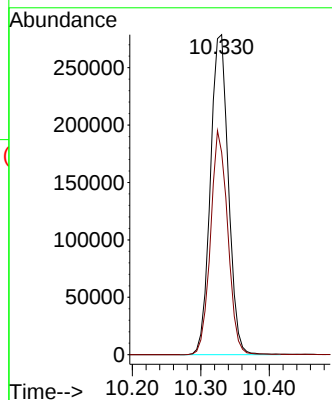
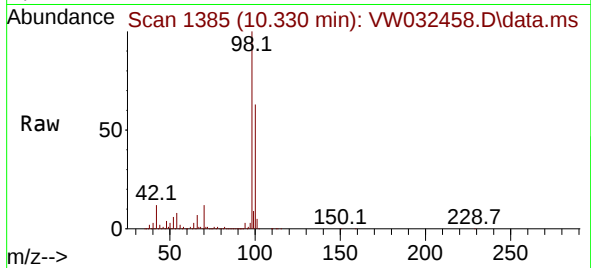




#50
Toluene-d8
Concen: 47.029 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

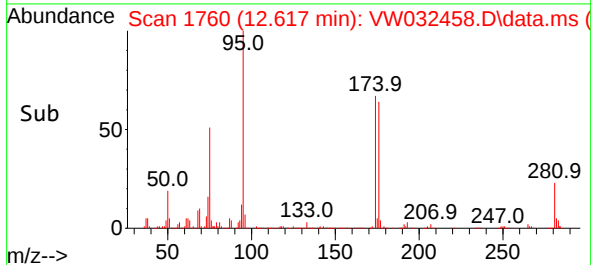
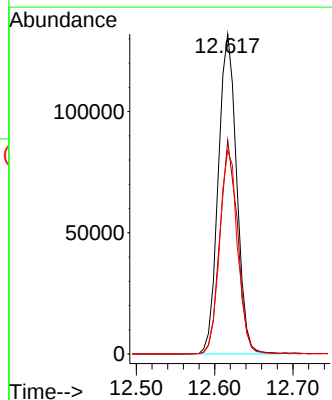
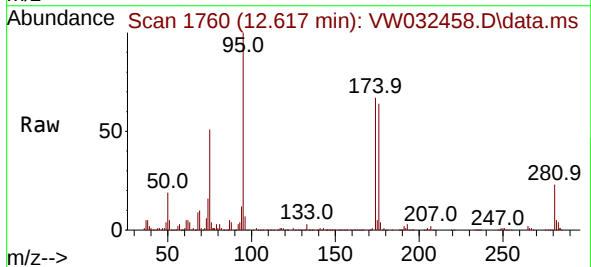
Instrument :
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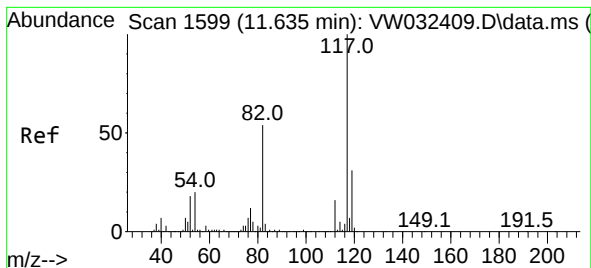
Tgt Ion: 98 Resp: 508311
Ion Ratio Lower Upper
98 100
100 66.9 53.3 79.9



#62
4-Bromofluorobenzene
Concen: 52.835 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

Tgt Ion: 95 Resp: 215727
Ion Ratio Lower Upper
95 100
174 64.2 0.0 135.4
176 63.0 0.0 131.8

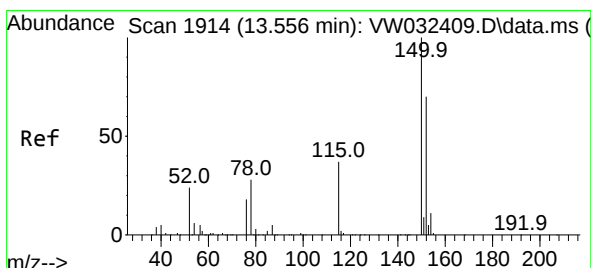
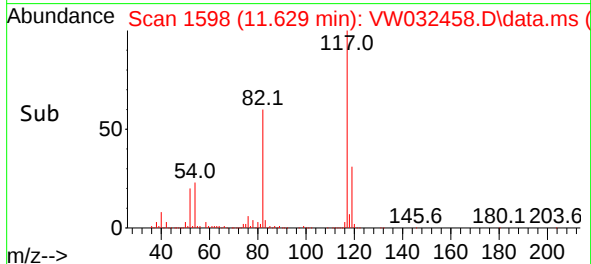
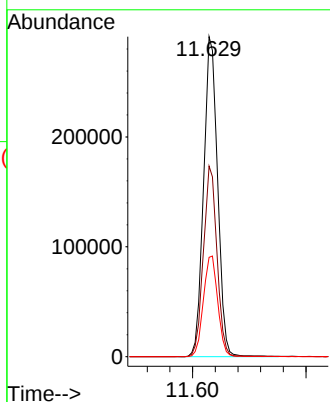
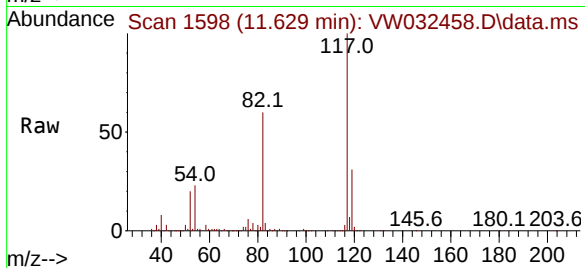




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

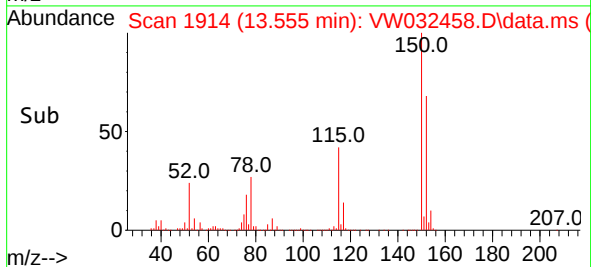
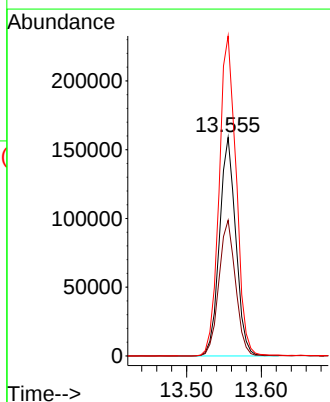
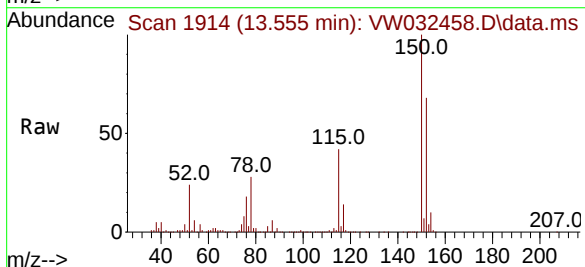
Instrument :
MSVOA_W
ClientSampleId :
ETGI-368

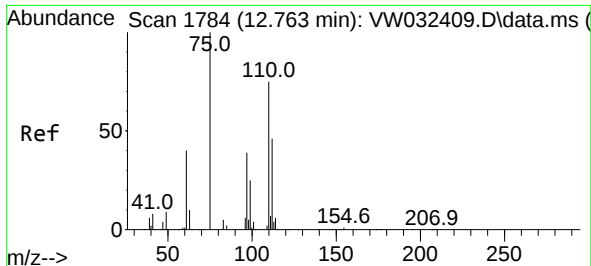
Tgt Ion:117 Resp: 498702
Ion Ratio Lower Upper
117 100
82 59.5 43.0 64.4
119 31.0 25.0 37.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

Tgt Ion:152 Resp: 241629
Ion Ratio Lower Upper
152 100
115 63.6 32.8 98.3
150 152.8 0.0 356.6

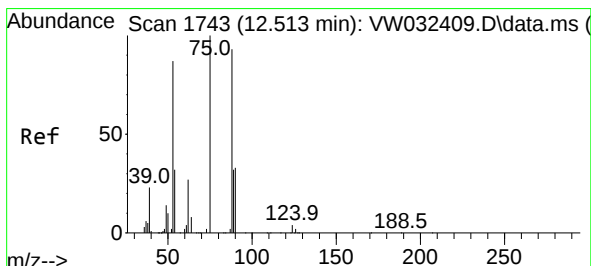
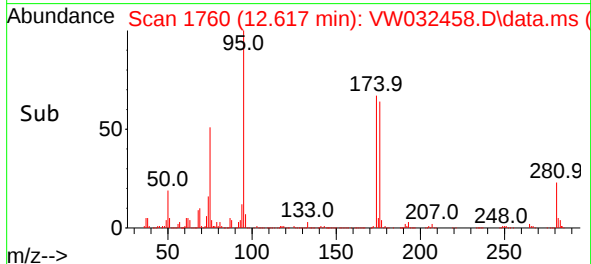
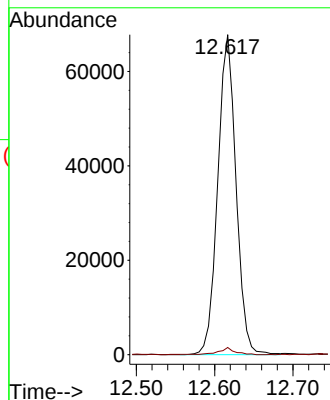
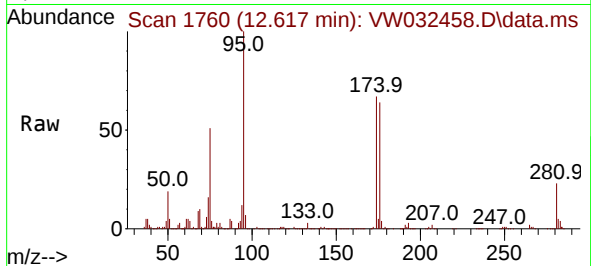




#76
1,2,3-Trichloropropane
Concen: 33.224 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

Instrument :
MSVOA_W
ClientSampleId :
ETGI-368

Tgt Ion: 75 Resp: 110077
Ion Ratio Lower Upper
75 100
77 2.0 151.6 454.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.099 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032458.D
Acq: 17 Nov 2025 15:17

Tgt Ion: 75 Resp: 110077
Ion Ratio Lower Upper
75 100
53 0.3 77.8 116.8#
89 1.1 35.6 53.4#

