

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092425\
 Data File : VW032249.D
 Acq On : 24 Sep 2025 17:14
 Operator : SY/MD
 Sample : Q3178-02
 Misc : 4.75g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EME-TS14-01MS

Quant Time: Sep 25 08:16:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W082625S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 27 04:13:40 2025
 Response via : Initial Calibration

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

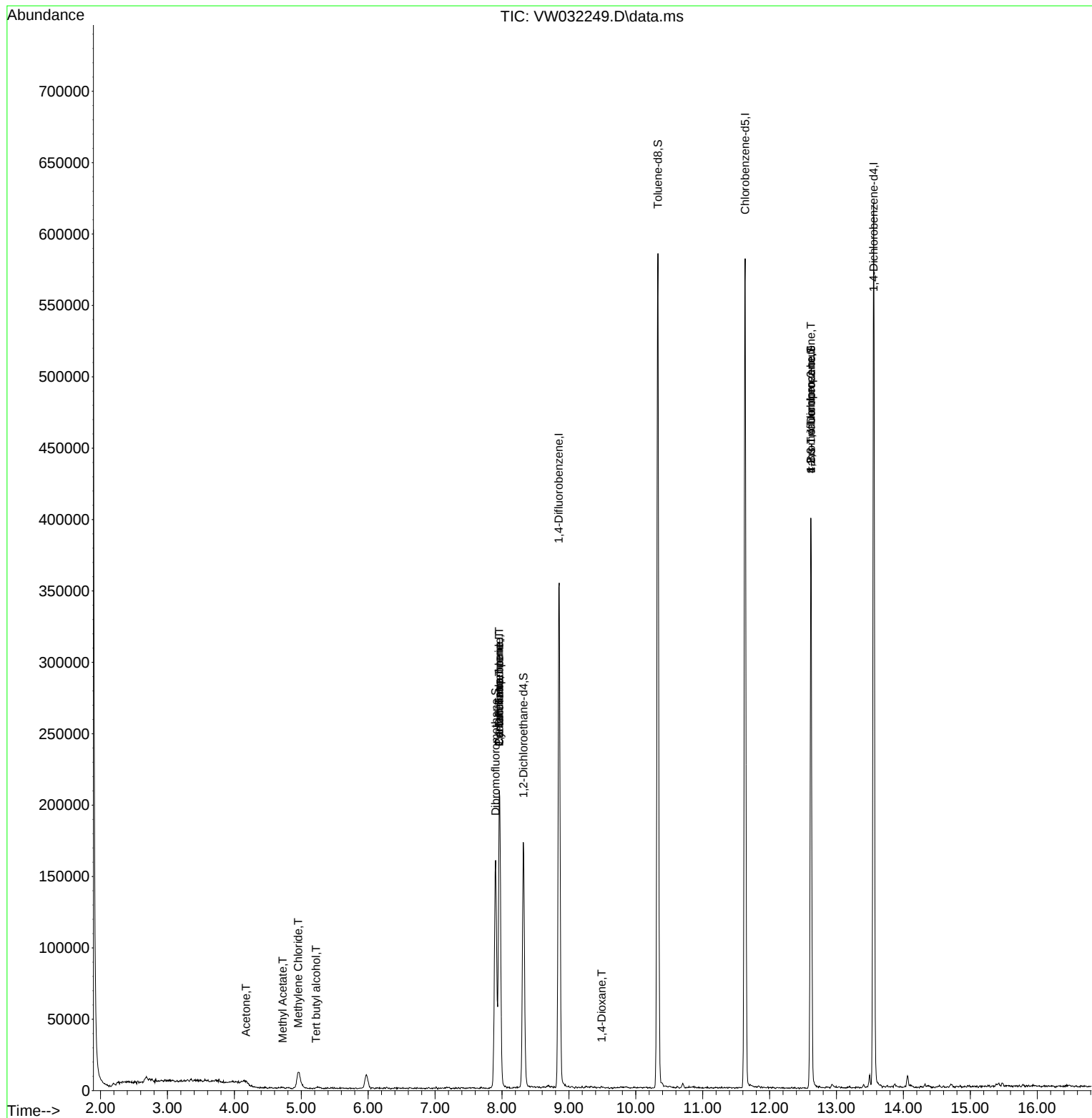
Internal Standards						
1) Pentafluorobenzene	7.959	168	150918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	295808	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	314178	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	155737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137666	63.784	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 127.560%		
35) Dibromofluoromethane	7.904	113	114833	55.331	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 110.660%		
50) Toluene-d8	10.331	98	386846	53.098	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 106.200%		
62) 4-Bromofluorobenzene	12.617	95	123955	46.010	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 92.020%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	142	1.076	ug/l #	1
16) Acetone	4.173	43	796	1.703	ug/l #	65
18) Methyl Acetate	4.722	43	1494	1.003	ug/l	91
20) Methylene Chloride	4.954	84	10813	2.048	ug/l	93
31) Cyclohexane	7.959	56	4148	1.566	ug/l #	37
36) 1,1-Dichloropropene	7.959	75	13296	4.941	ug/l #	51
38) Carbon Tetrachloride	7.959	117	16203	5.617	ug/l #	18
49) 1,4-Dioxane	9.489	88	19	1.118	ug/l #	24
76) 1,2,3-Trichloropropane	12.617	75	67123	34.403	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	67123	92.629	ug/l #	5

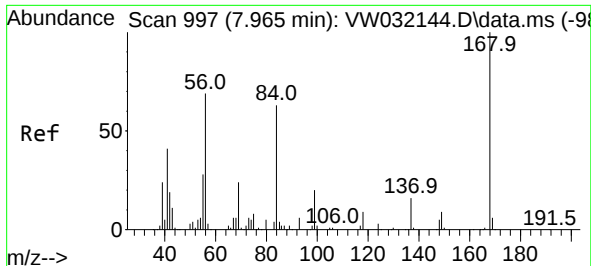
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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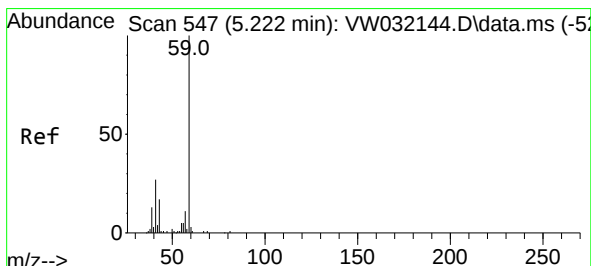
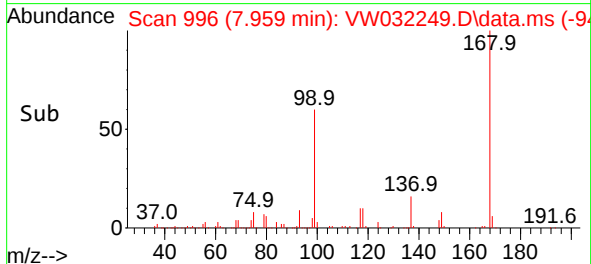
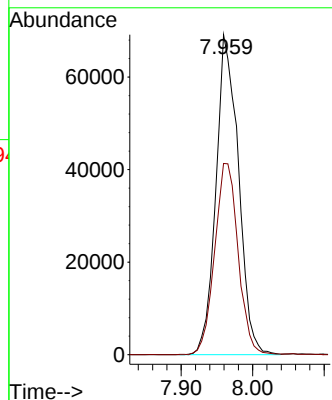
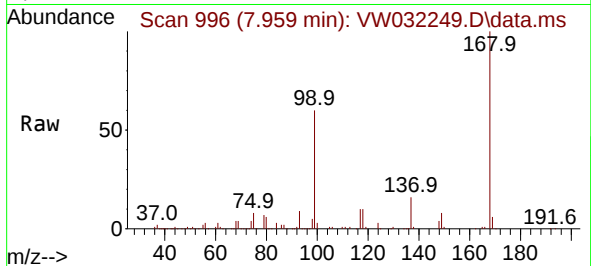




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

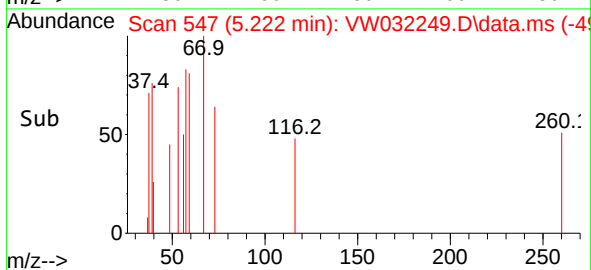
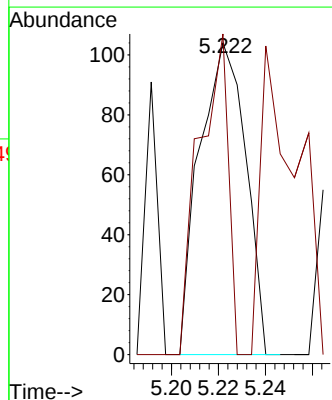
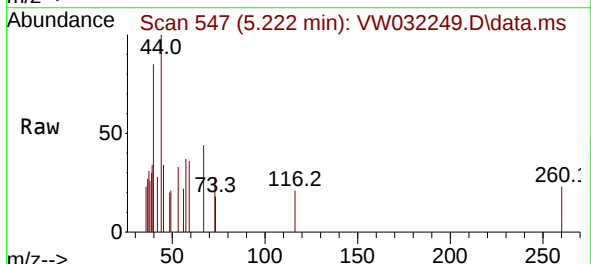
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01MS

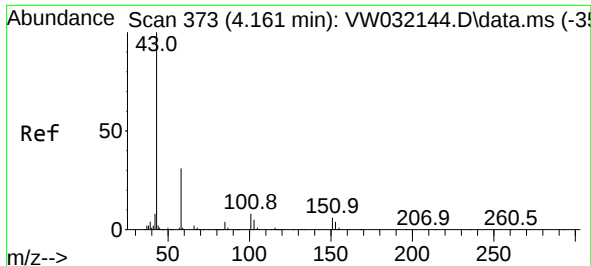
Tgt Ion:168 Resp: 150918
Ion Ratio Lower Upper
168 100
99 59.7 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.076 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

Tgt Ion: 59 Resp: 142
Ion Ratio Lower Upper
59 100
57 64.8 9.8 14.6#

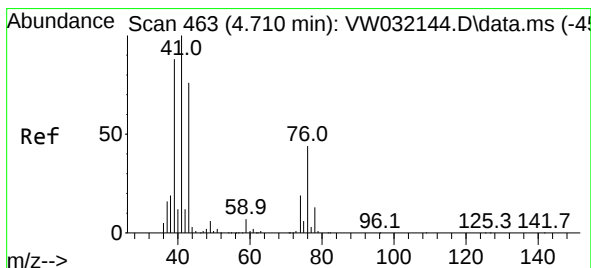
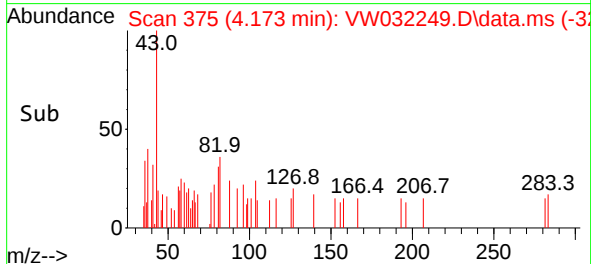
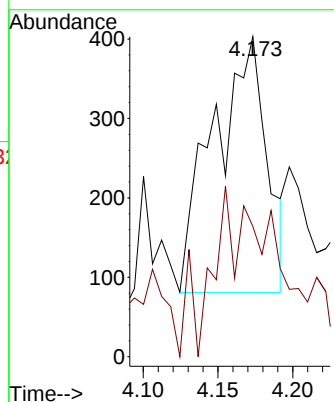
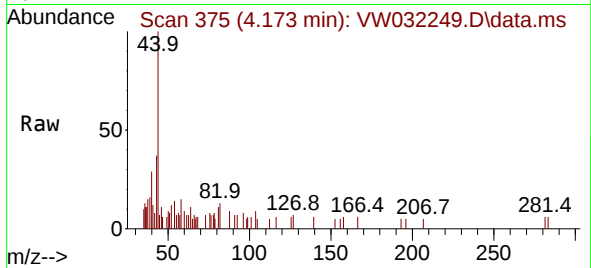




#16
Acetone
Concen: 1.703 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

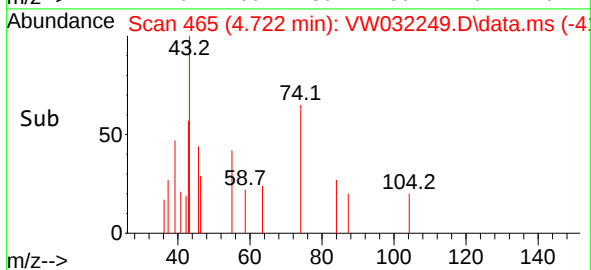
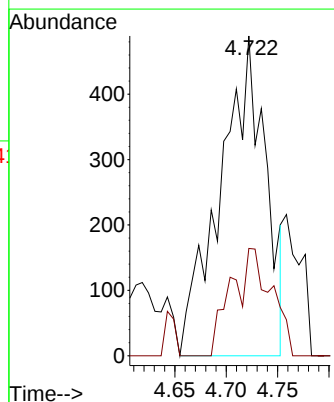
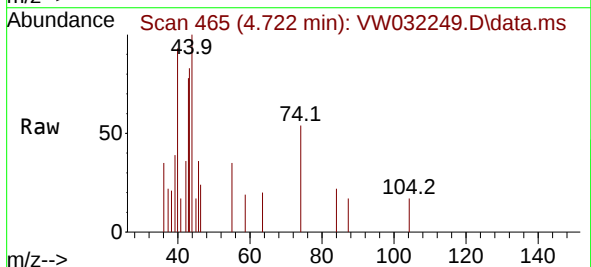
Instrument :
MSVOA_W
ClientSampleId :
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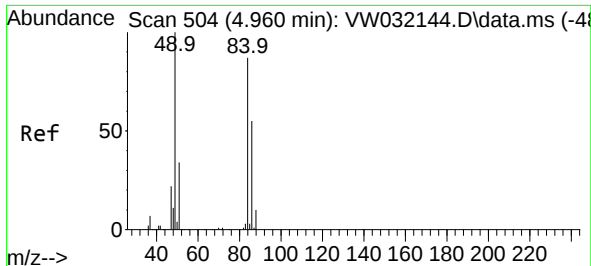
Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
58 50.9 25.3 37.9#



#18
Methyl Acetate
Concen: 1.003 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

Tgt Ion: 43 Resp: 1494
Ion Ratio Lower Upper
43 100
74 29.7 20.2 30.4

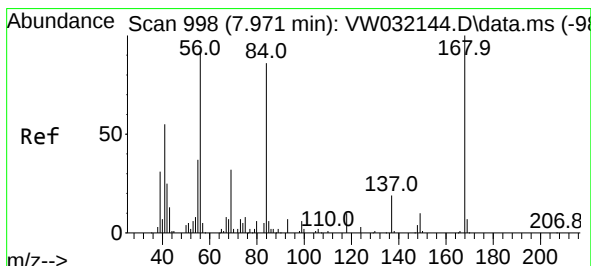
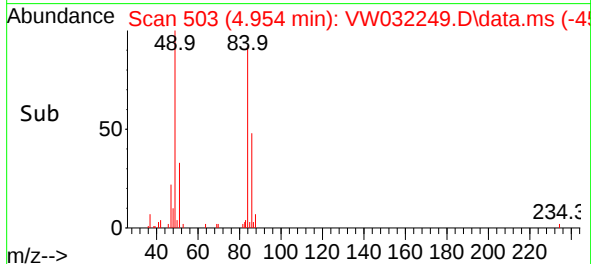
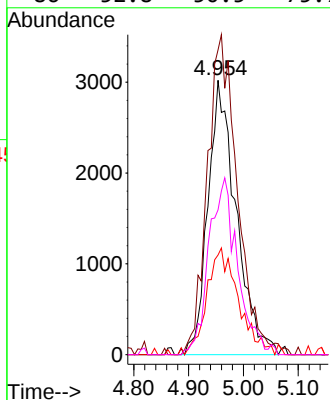
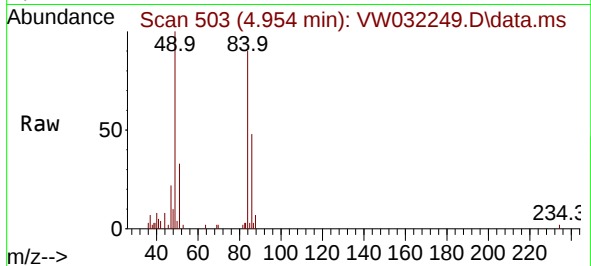




#20
Methylene Chloride
Concen: 2.048 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

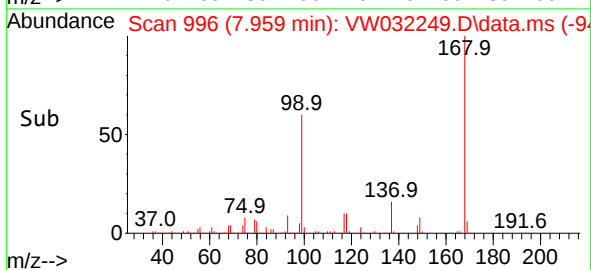
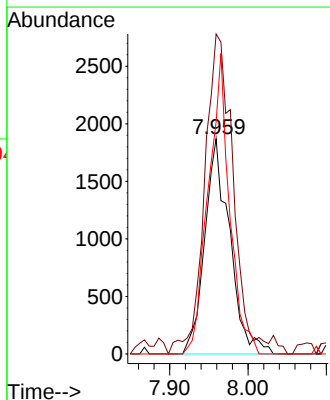
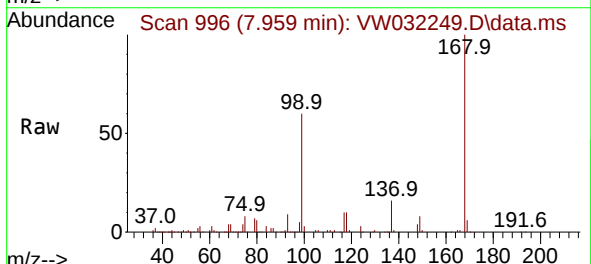
Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01MS

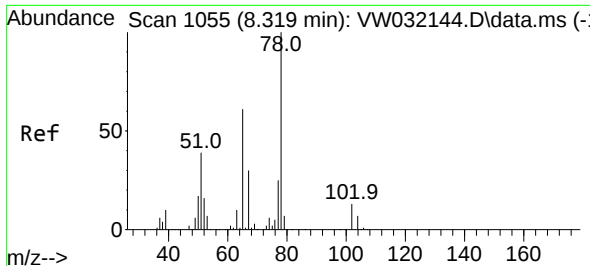
Tgt Ion:	84	Resp:	10813
Ion	Ratio	Lower	Upper
84	100		
49	111.1	92.2	138.4
51	36.3	31.0	46.6
86	52.8	50.5	75.7



#31
Cyclohexane
Concen: 1.566 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

Tgt Ion:	56	Resp:	4148
Ion	Ratio	Lower	Upper
56	100		
69	144.8	27.7	41.5#
84	107.7	74.6	112.0

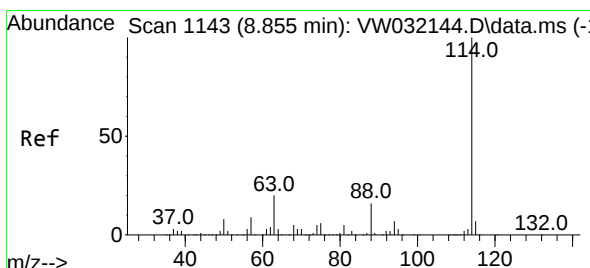
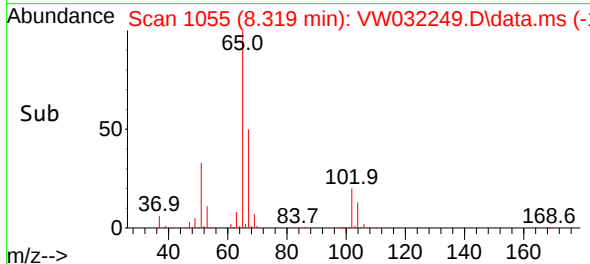
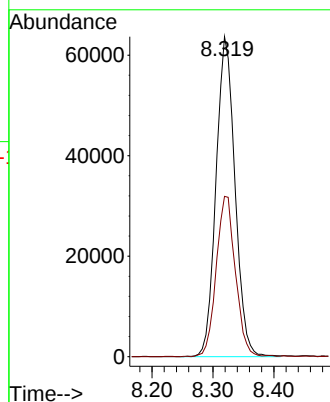
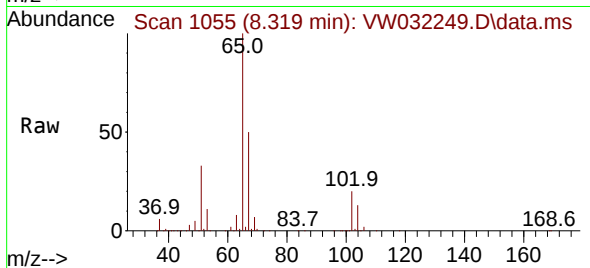




#33
 1,2-Dichloroethane-d4
 Concen: 63.784 ug/l
 RT: 8.319 min Scan# 1105
 Delta R.T. -0.000 min
 Lab File: VW032249.D
 Acq: 24 Sep 2025 17:14

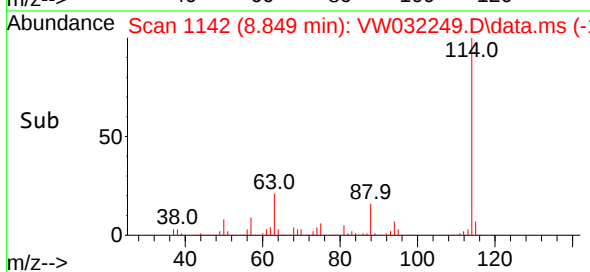
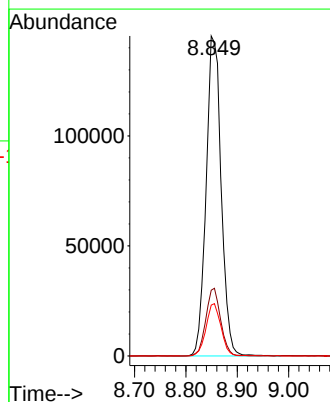
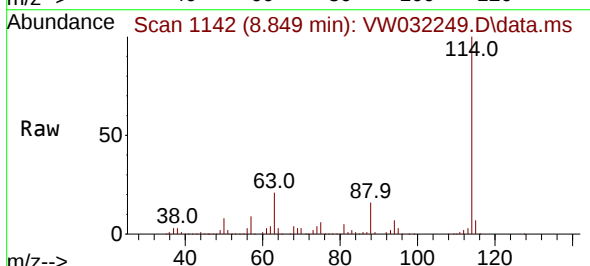
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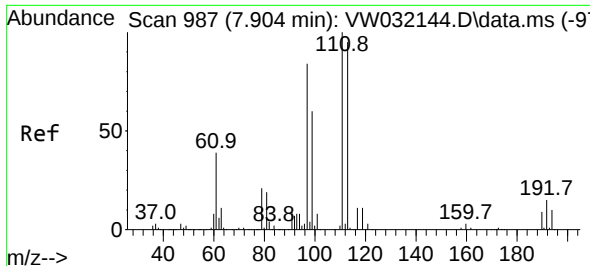
Tgt Ion: 65 Resp: 137666
 Ion Ratio Lower Upper
 65 100
 67 50.7 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032249.D
 Acq: 24 Sep 2025 17:14

Tgt Ion: 114 Resp: 295808
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.4
 88 15.9 0.0 32.0

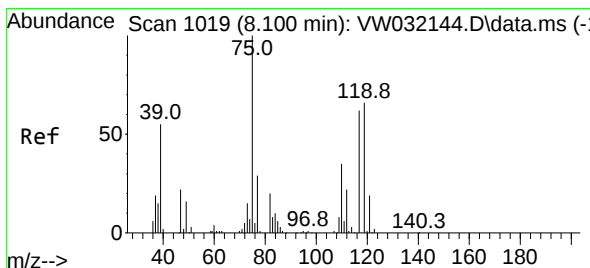
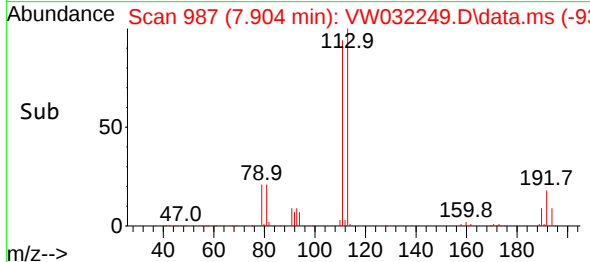
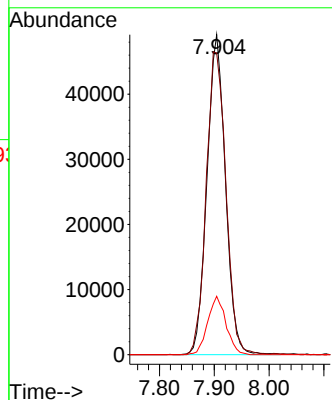
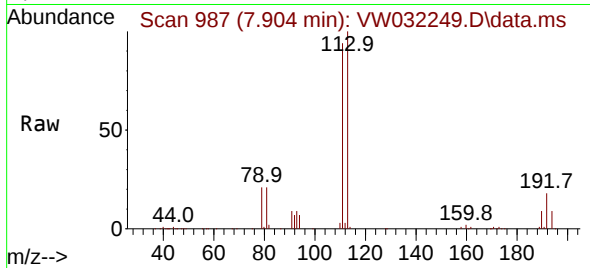




#35
Dibromofluoromethane
Concen: 55.331 ug/l
RT: 7.904 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

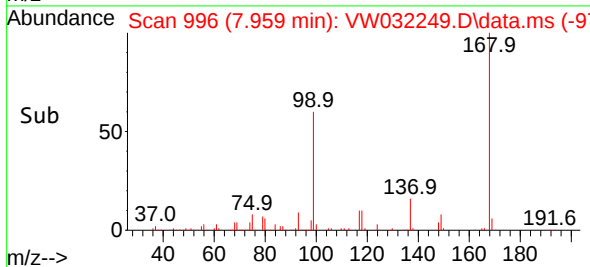
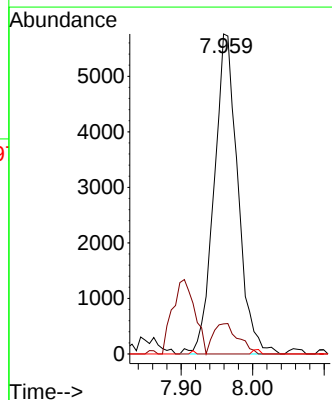
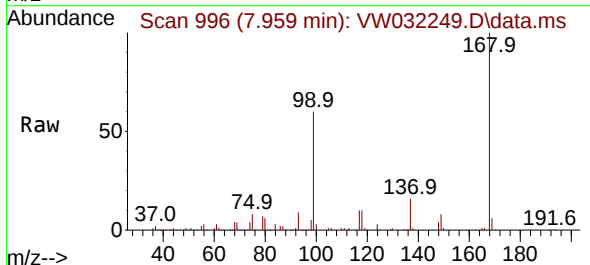
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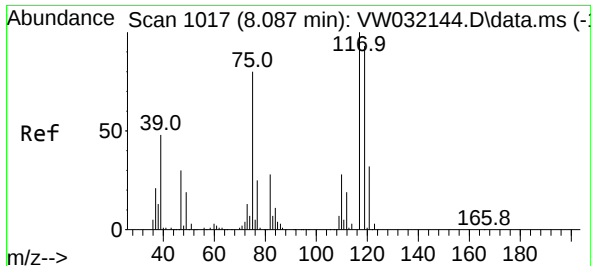
Tgt Ion:113 Resp: 114833
Ion Ratio Lower Upper
113 100
111 100.9 83.9 125.9
192 18.1 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

Tgt Ion: 75 Resp: 13296
Ion Ratio Lower Upper
75 100
110 9.9 17.5 52.5#
77 0.0 24.1 36.1#

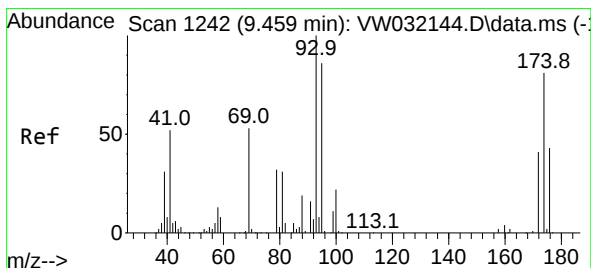
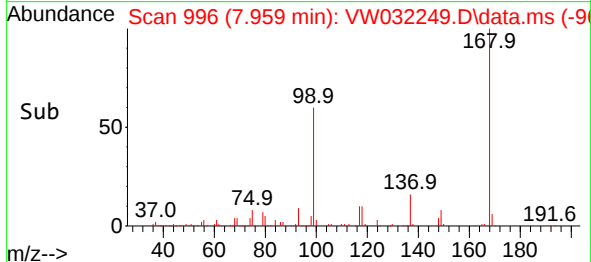
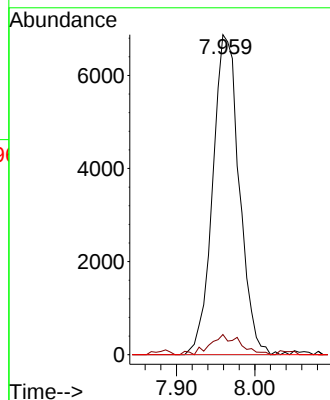
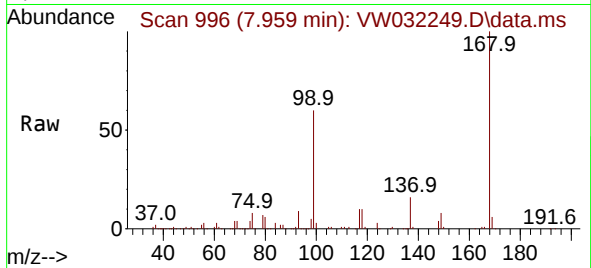




#38
Carbon Tetrachloride
Concen: 5.617 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

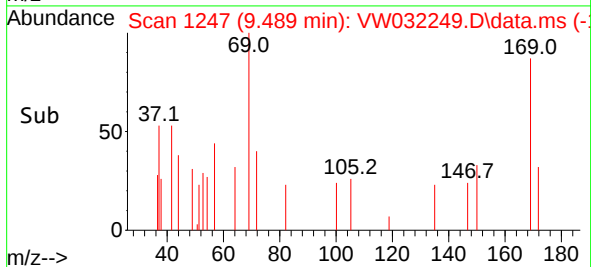
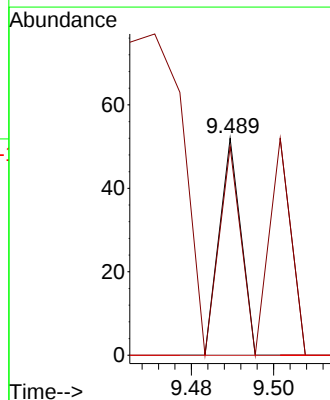
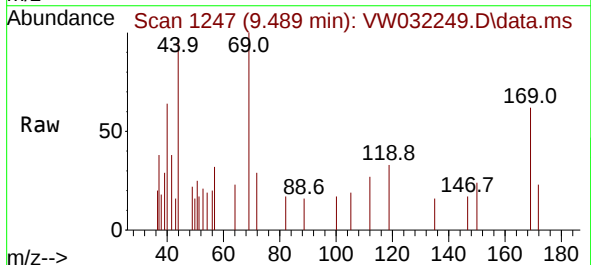
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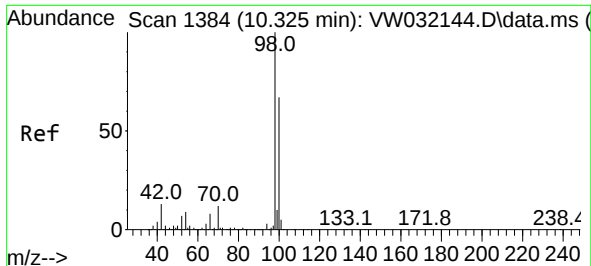
Tgt Ion: 117 Resp: 16203
Ion Ratio Lower Upper
117 100
119 6.3 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 1.118 ug/l
RT: 9.489 min Scan# 1247
Delta R.T. 0.030 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

Tgt Ion: 88 Resp: 19
Ion Ratio Lower Upper
88 100
43 0.0 18.0 27.0#
58 0.0 55.4 83.0#

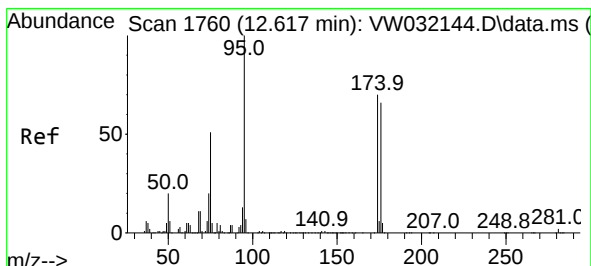
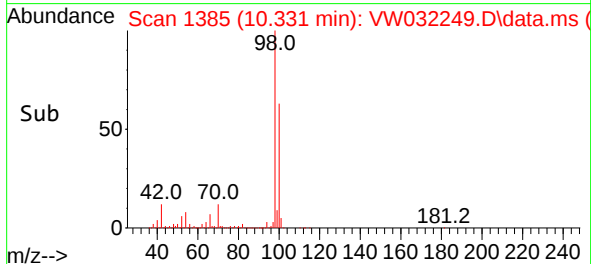
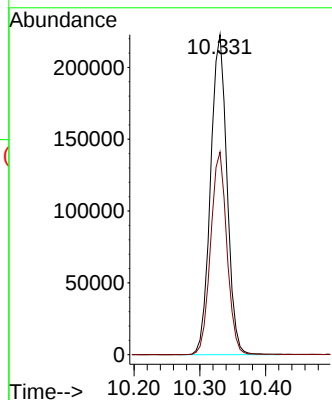
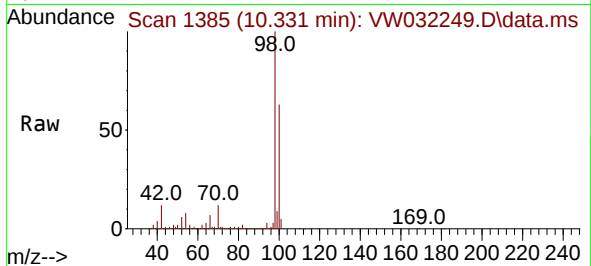




#50
Toluene-d8
Concen: 53.098 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

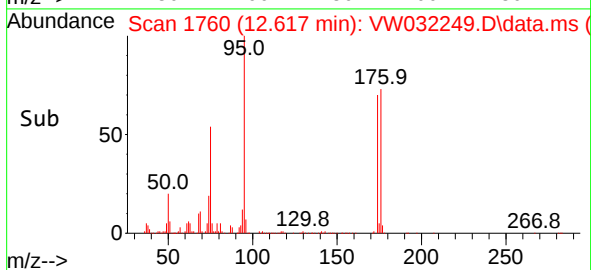
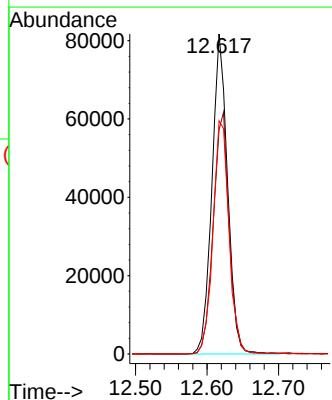
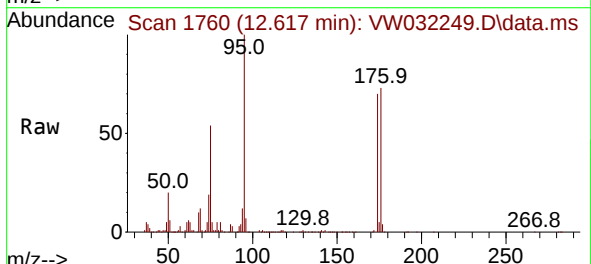
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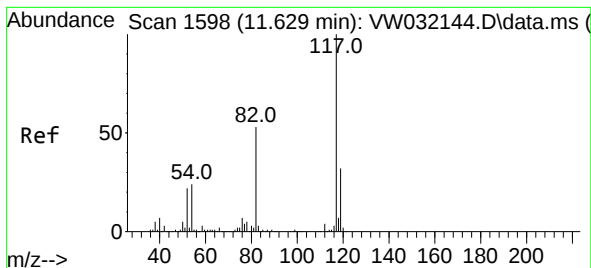
Tgt Ion: 98 Resp: 386846
Ion Ratio Lower Upper
98 100
100 62.8 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 46.010 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

Tgt Ion: 95 Resp: 123955
Ion Ratio Lower Upper
95 100
174 76.9 0.0 145.6
176 74.7 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 1159

Delta R.T. 0.006 min

Lab File: VW032249.D

Acq: 24 Sep 2025 17:14

Instrument :

MSVOA_W

ClientSampleId :

EME-TS14-01MS

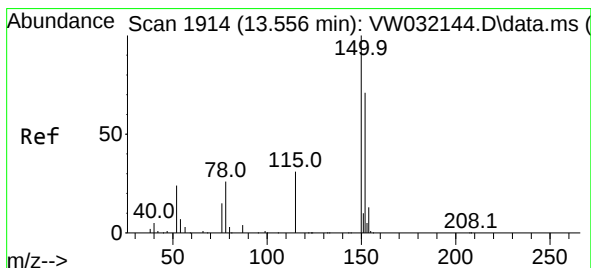
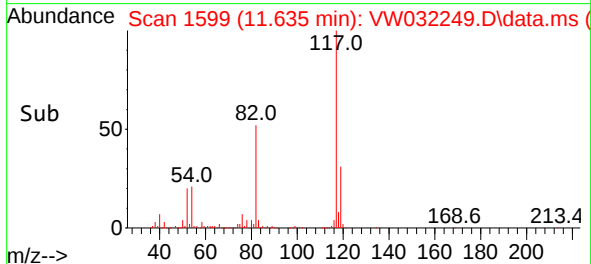
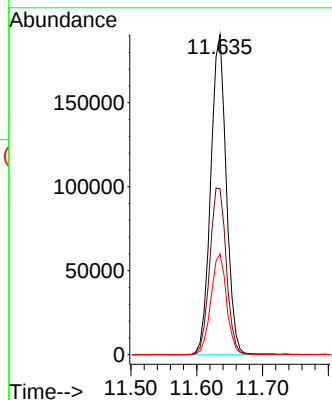
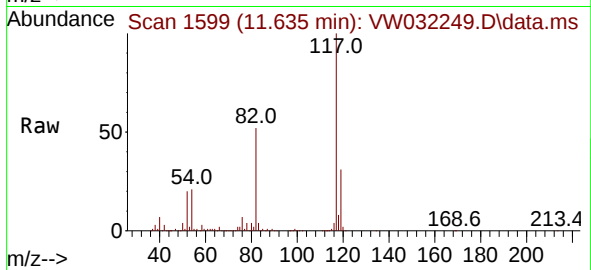
Tgt Ion:117 Resp: 314178

Ion Ratio Lower Upper

117 100

82 51.8 42.7 64.1

119 31.4 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.556 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032249.D

Acq: 24 Sep 2025 17:14

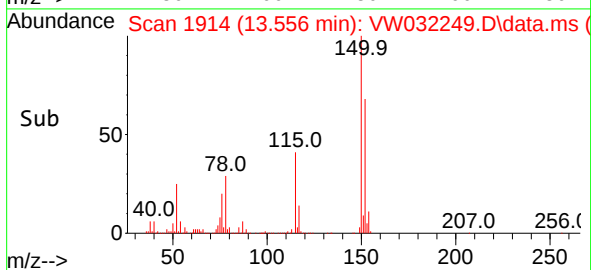
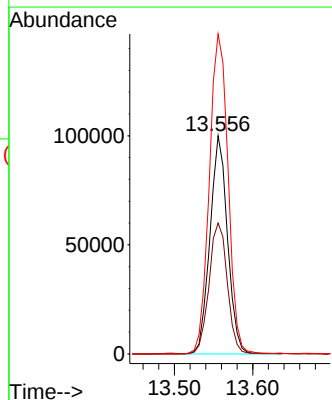
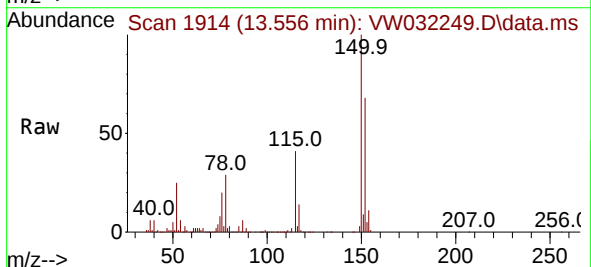
Tgt Ion:152 Resp: 155737

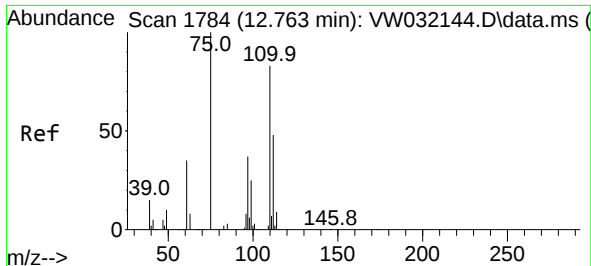
Ion Ratio Lower Upper

152 100

115 61.9 31.8 95.4

150 156.4 0.0 343.0

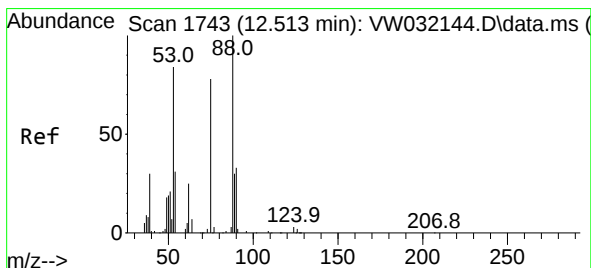
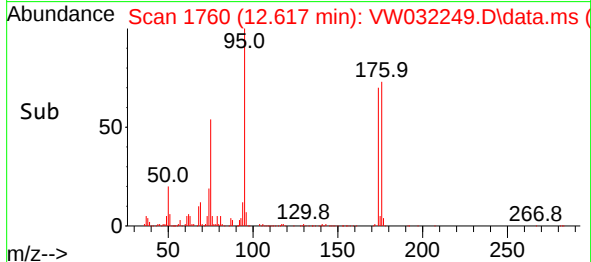
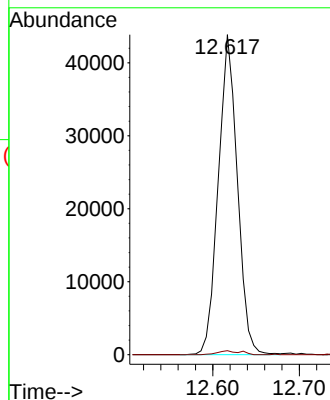
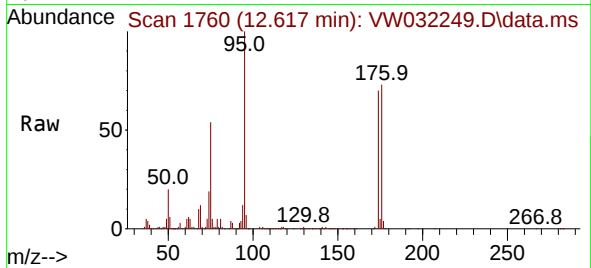




#76
1,2,3-Trichloropropane
Concen: 34.403 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

Instrument :
MSVOA_W
ClientSampleId :
EME-TS14-01MS

Tgt Ion: 75 Resp: 67123
Ion Ratio Lower Upper
75 100
77 1.5 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.629 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032249.D
Acq: 24 Sep 2025 17:14

Tgt Ion: 75 Resp: 67123
Ion Ratio Lower Upper
75 100
53 0.3 91.0 136.6#
89 0.0 39.4 59.2#

