

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032278.D
 Acq On : 26 Sep 2025 14:23
 Operator : SY/MD
 Sample : Q3220-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-03-092625

Quant Time: Sep 29 08:38:49 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)

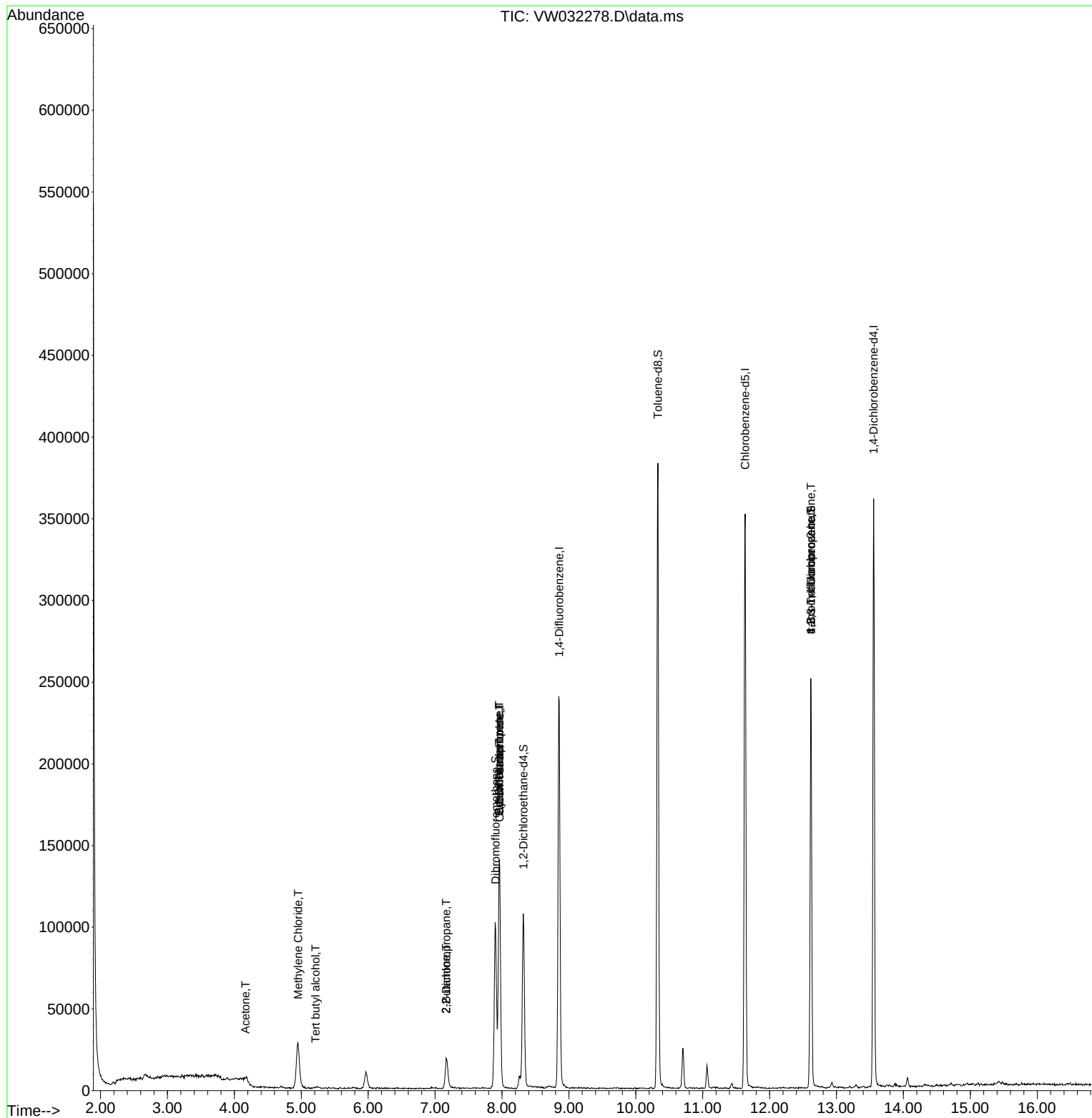
Internal Standards						
1) Pentafluorobenzene	7.959	168	95889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	210189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	194904	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	92577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	88035	58.145	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 116.280%			
35) Dibromofluoromethane	7.904	113	74551	49.319	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.640%			
50) Toluene-d8	10.331	98	248704	45.652	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 91.300%			
62) 4-Bromofluorobenzene	12.617	95	86151	41.924	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 83.840%			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.216	59	304	2.893	ug/l #	85
16) Acetone	4.167	43	1667	4.287	ug/l #	85
20) Methylene Chloride	4.954	84	22092	9.636	ug/l	94
25) 2-Butanone	7.167	43	1146	2.114	ug/l	92
26) 2,2-Dichloropropane	7.167	77	1415	1.158	ug/l #	52
31) Cyclohexane	7.959	56	2620	1.340	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	9605	4.713	ug/l #	50
38) Carbon Tetrachloride	7.965	117	11438	5.965	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	43248	33.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	43248	88.199	ug/l #	9

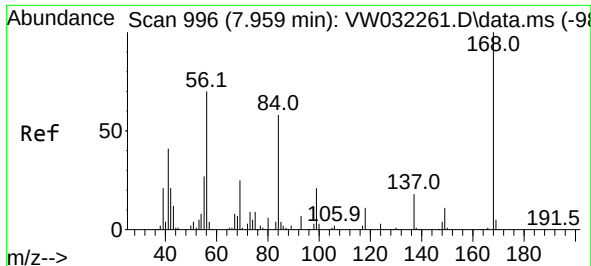
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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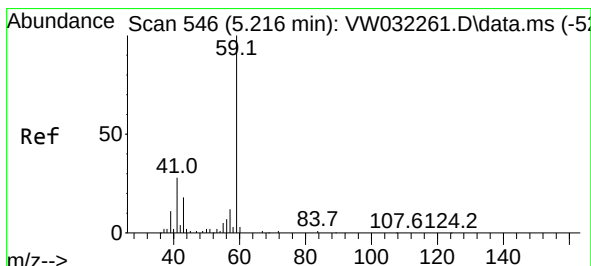
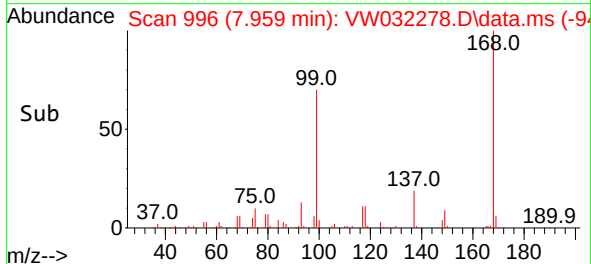
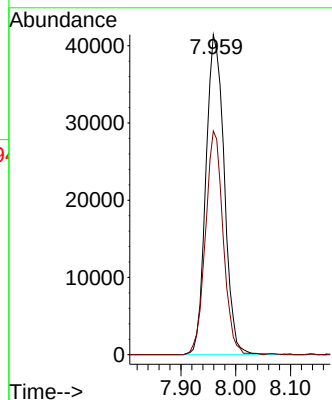
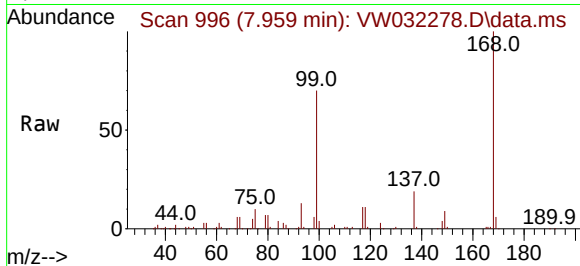




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. 0.000 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

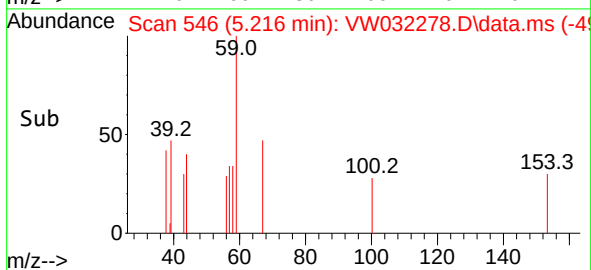
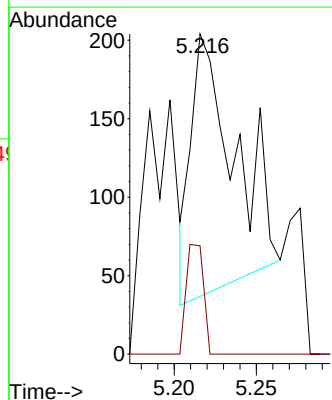
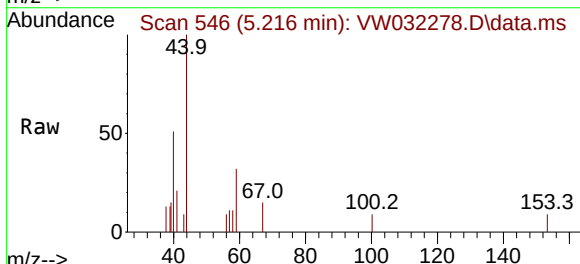
Instrument :
MSVOA_W
ClientSampleId :
OR-03-092625

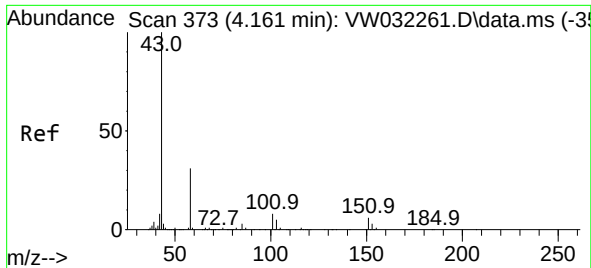
Tgt Ion:168 Resp: 95889
Ion Ratio Lower Upper
168 100
99 69.9 55.0 82.4



#11
Tert butyl alcohol
Concen: 2.893 ug/l
RT: 5.216 min Scan# 546
Delta R.T. -0.000 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

Tgt Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 16.8 8.9 13.3#

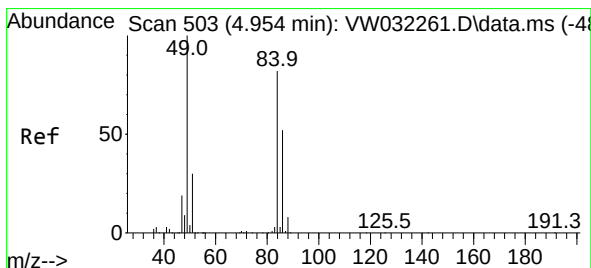
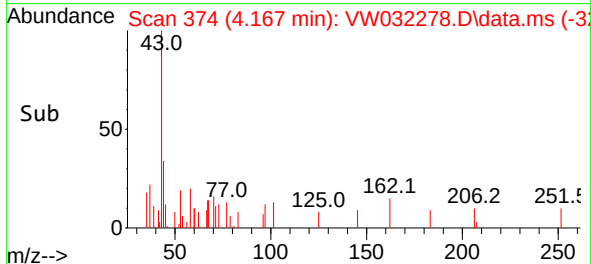
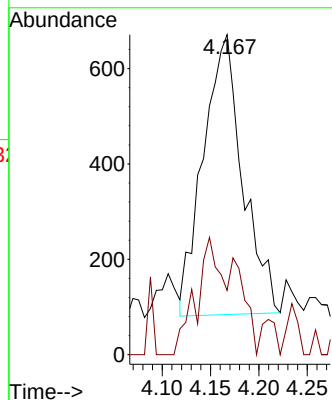
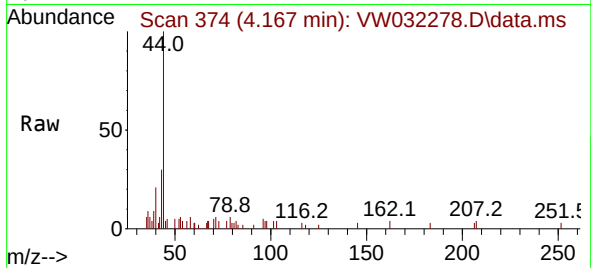




#16
Acetone
Concen: 4.287 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.006 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

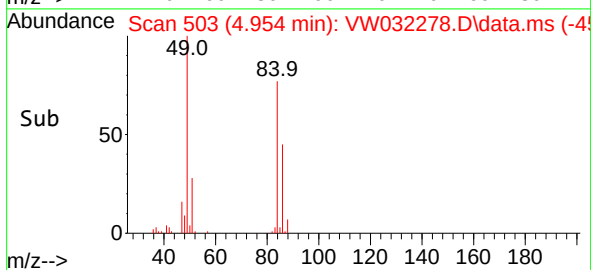
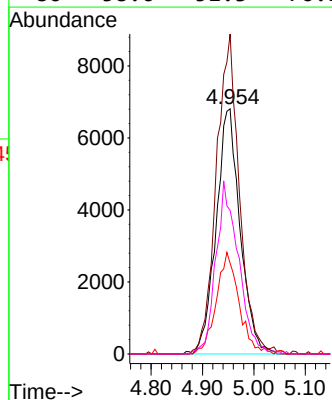
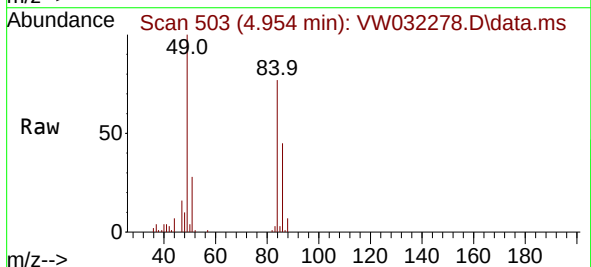
Instrument :
MSVOA_W
ClientSampleId :
OR-03-092625

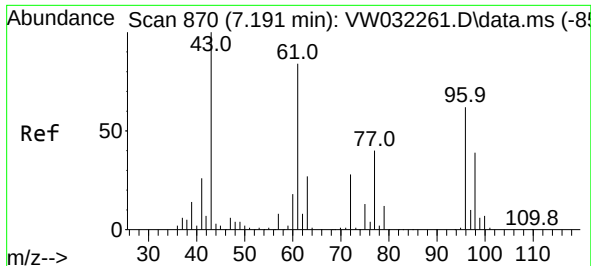
Tgt Ion: 43 Resp: 1667
Ion Ratio Lower Upper
43 100
58 23.2 25.4 38.0#



#20
Methylene Chloride
Concen: 9.636 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

Tgt Ion: 84 Resp: 22092
Ion Ratio Lower Upper
84 100
49 130.5 97.8 146.6
51 37.0 29.9 44.9
86 58.6 51.3 76.9





#25

2-Butanone

Concen: 2.114 ug/l

RT: 7.167 min Scan# 866

Delta R.T. -0.024 min

Lab File: VW032278.D

Acq: 26 Sep 2025 14:23

Instrument :

MSVOA_W

ClientSampleId :

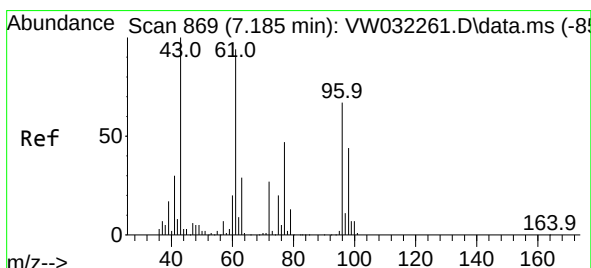
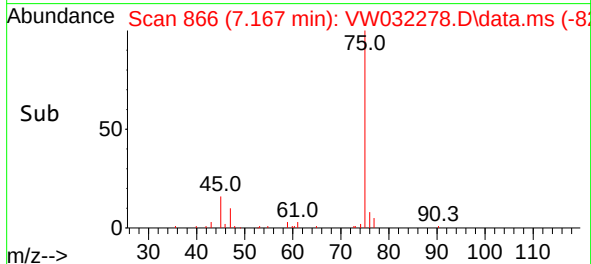
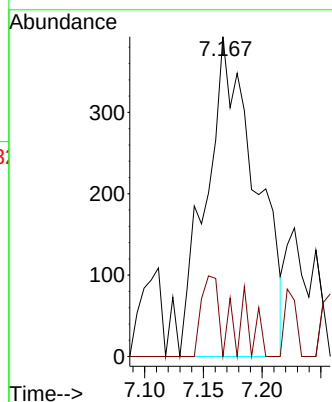
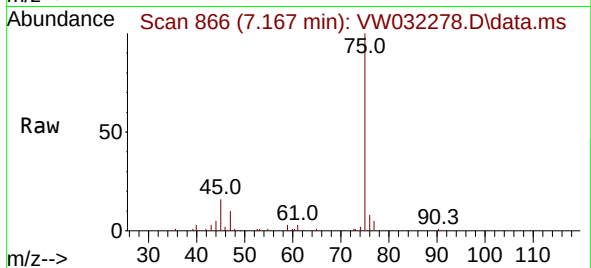
OR-03-092625

Tgt Ion: 43 Resp: 1146

Ion Ratio Lower Upper

43 100

72 32.3 22.3 33.5



#26

2,2-Dichloropropane

Concen: 1.158 ug/l

RT: 7.167 min Scan# 866

Delta R.T. -0.018 min

Lab File: VW032278.D

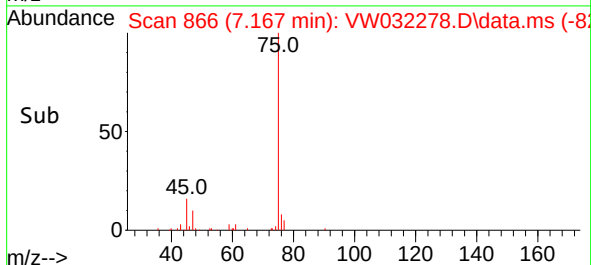
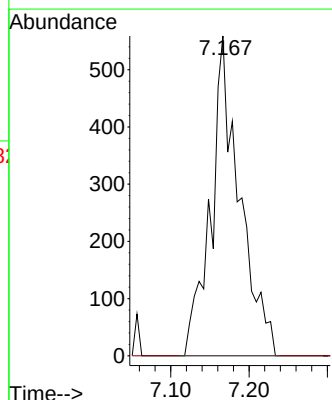
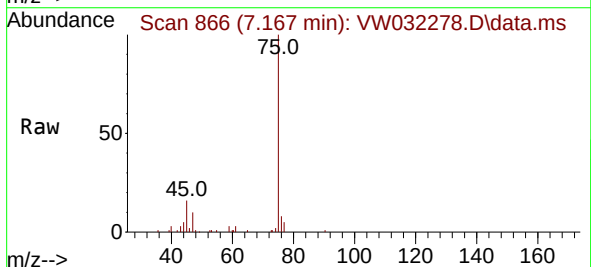
Acq: 26 Sep 2025 14:23

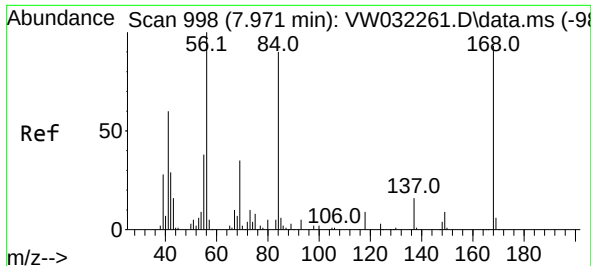
Tgt Ion: 77 Resp: 1415

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.0#

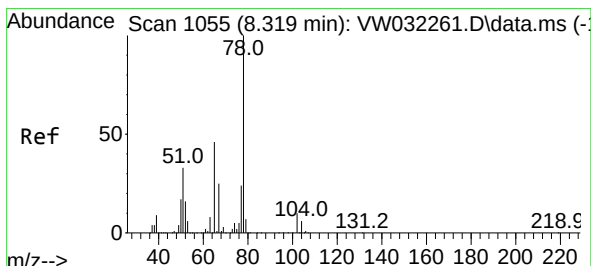
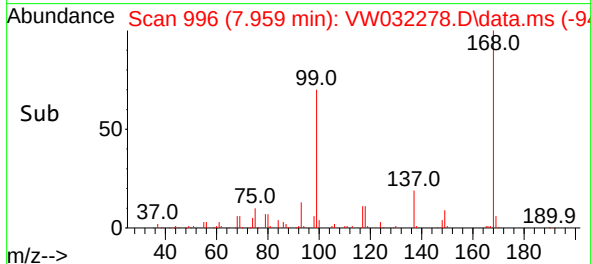
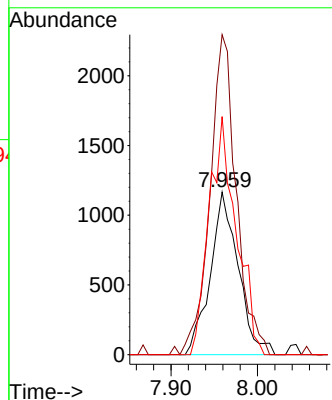
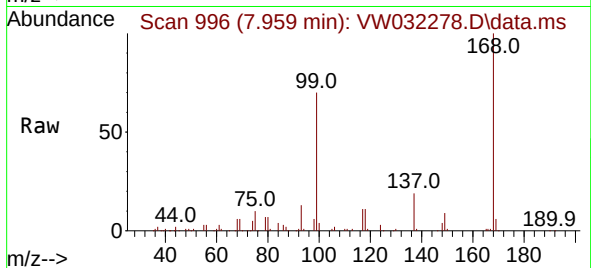




#31
Cyclohexane
Concen: 1.340 ug/l
RT: 7.959 min Scan# 998
Delta R.T. -0.012 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

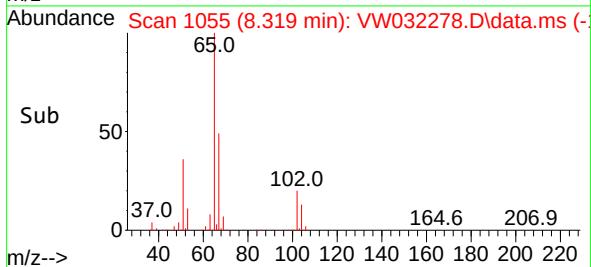
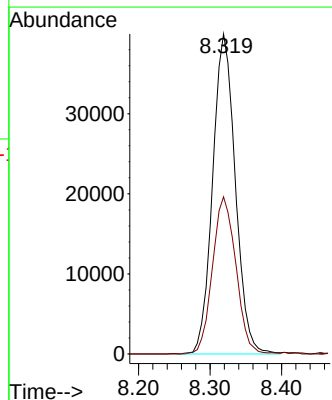
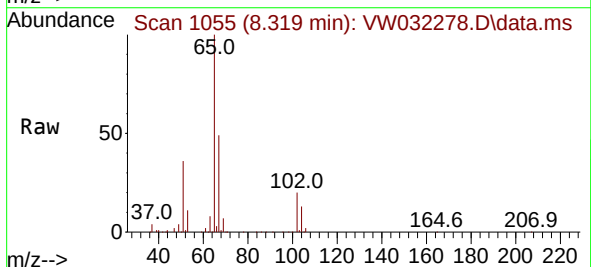
Instrument :
MSVOA_W
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OR-03-092625

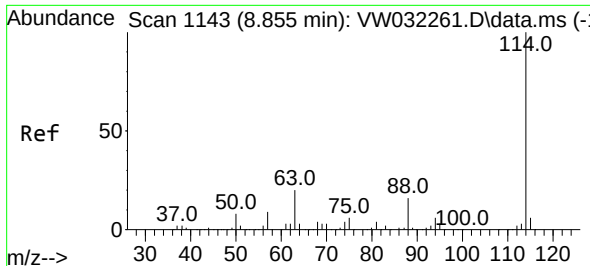
Tgt Ion: 56 Resp: 2620
Ion Ratio Lower Upper
56 100
69 196.8 28.2 42.2#
84 146.5 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 58.145 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

Tgt Ion: 65 Resp: 88035
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.8

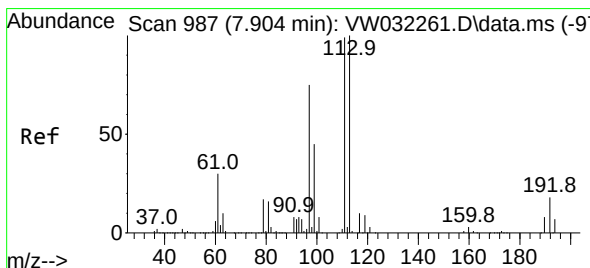
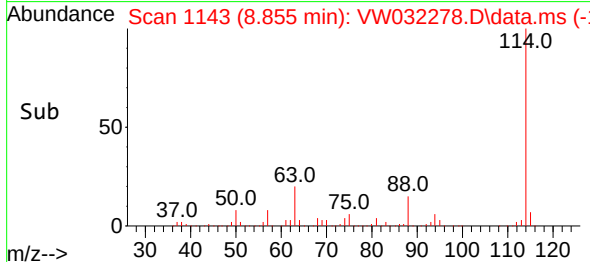
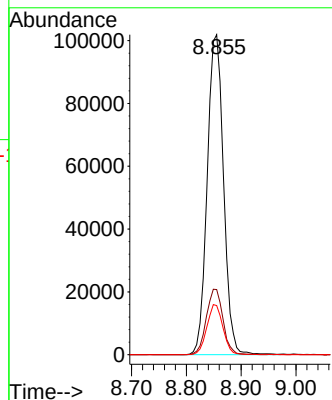
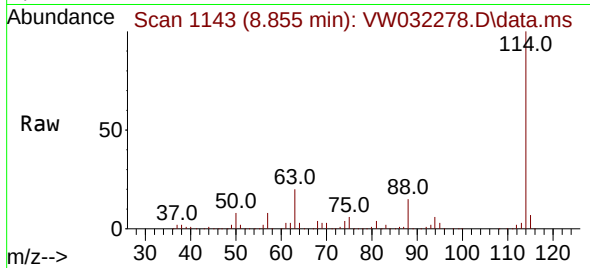




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032278.D
 Acq: 26 Sep 2025 14:23

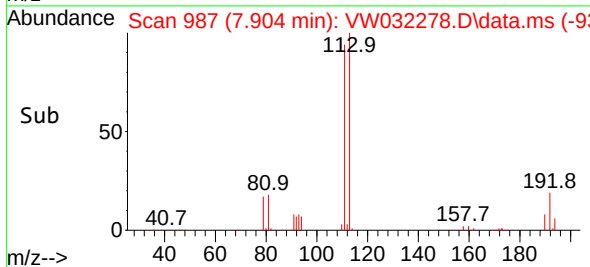
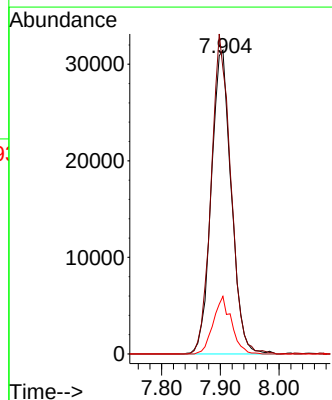
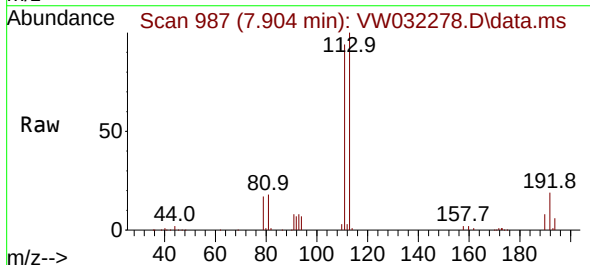
Instrument :
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 OR-03-092625

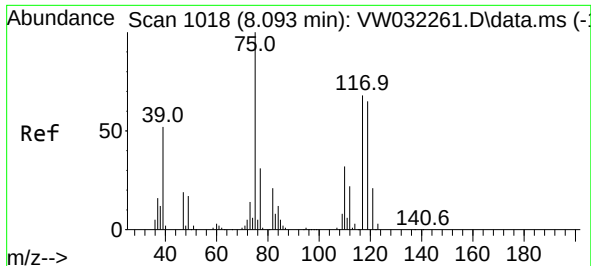
Tgt Ion:114 Resp: 210189
 Ion Ratio Lower Upper
 114 100
 63 20.3 0.0 40.2
 88 15.3 0.0 32.0



#35
 Dibromofluoromethane
 Concen: 49.319 ug/l
 RT: 7.904 min Scan# 987
 Delta R.T. -0.000 min
 Lab File: VW032278.D
 Acq: 26 Sep 2025 14:23

Tgt Ion:113 Resp: 74551
 Ion Ratio Lower Upper
 113 100
 111 102.9 81.8 122.8
 192 17.2 13.0 19.4

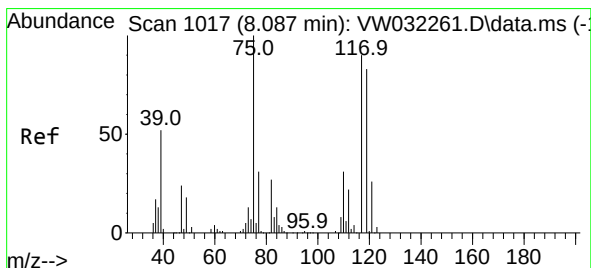
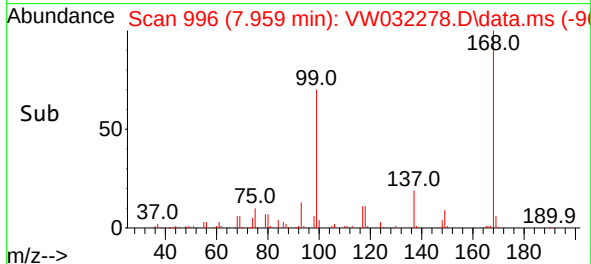
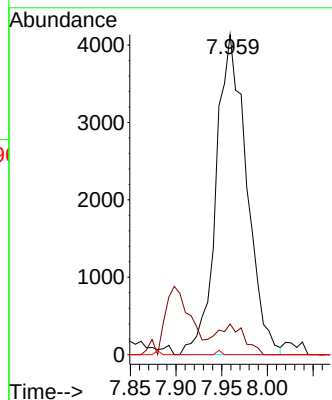
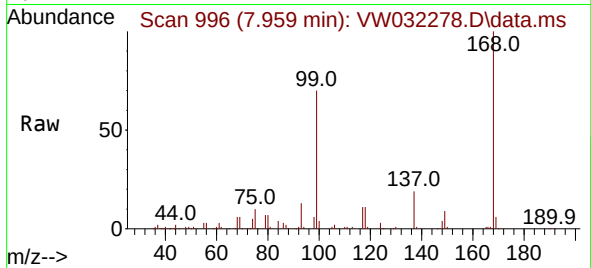




#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

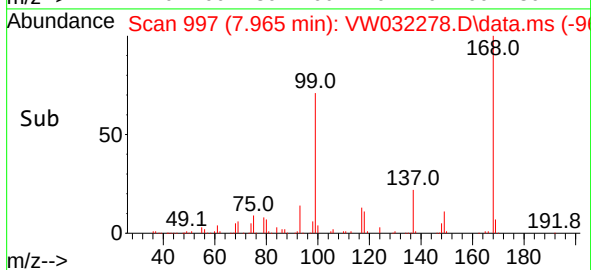
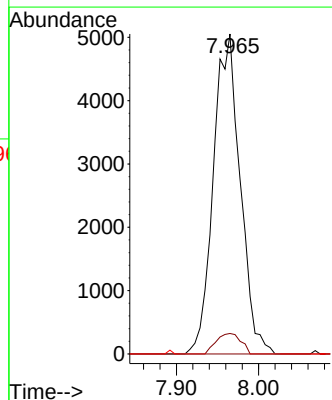
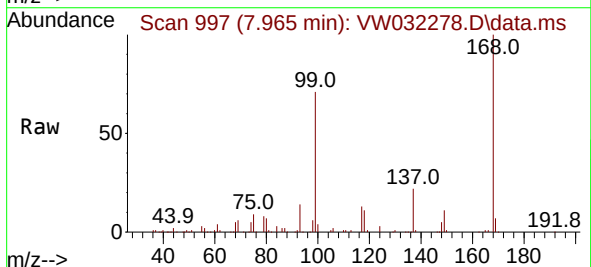
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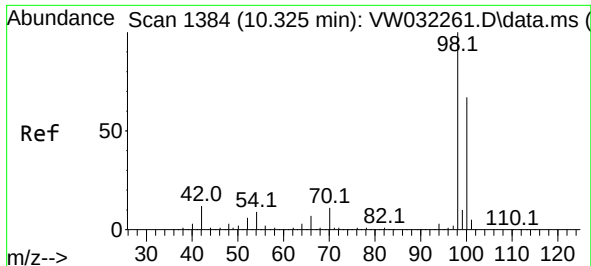
Tgt Ion: 75 Resp: 9605
Ion Ratio Lower Upper
75 100
110 8.5 16.7 50.1#
77 0.2 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.965 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.122 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

Tgt Ion: 117 Resp: 11438
Ion Ratio Lower Upper
117 100
119 6.4 73.9 110.9#
121 0.0 23.0 34.6#

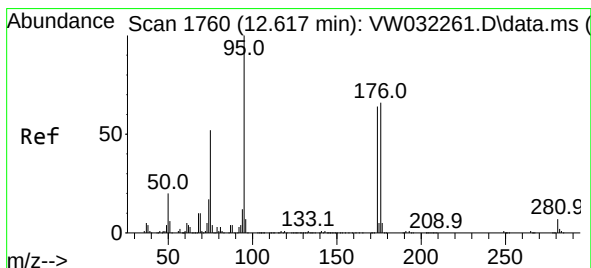
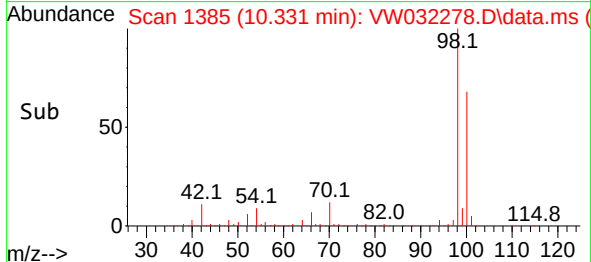
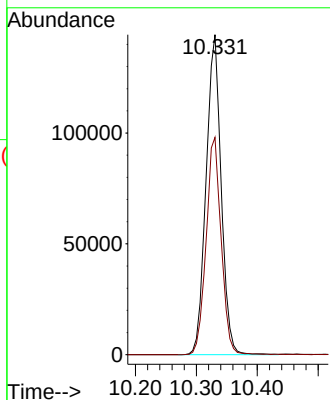
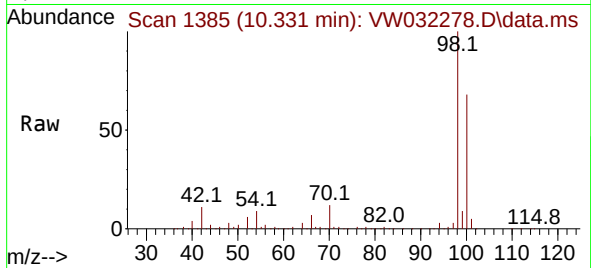




#50
Toluene-d8
Concen: 45.652 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

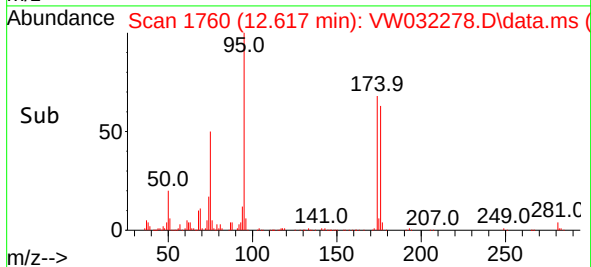
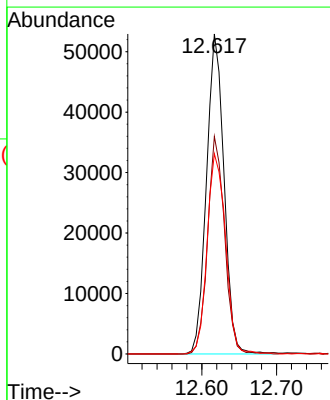
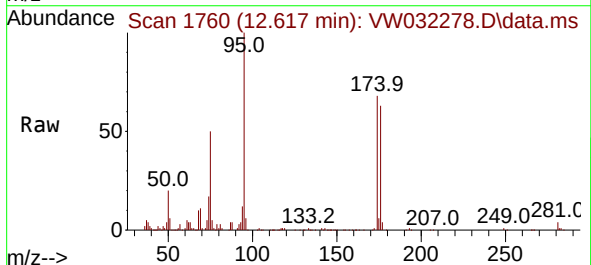
Instrument :
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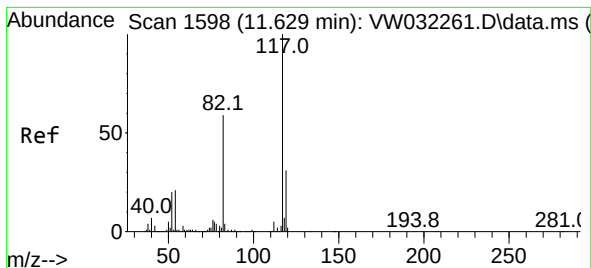
Tgt Ion: 98 Resp: 248704
Ion Ratio Lower Upper
98 100
100 67.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 41.924 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

Tgt Ion: 95 Resp: 86151
Ion Ratio Lower Upper
95 100
174 65.9 0.0 130.6
176 65.9 0.0 127.0

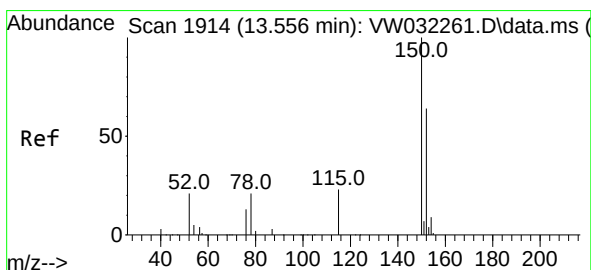
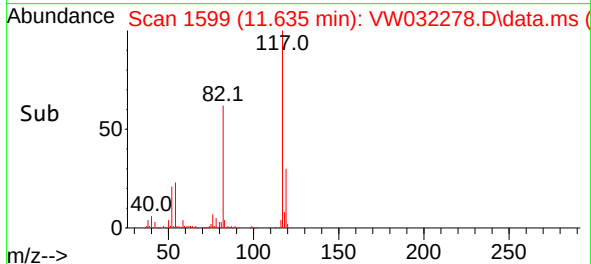
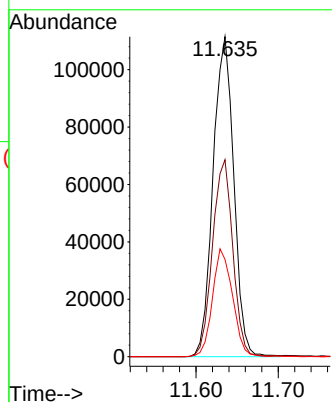
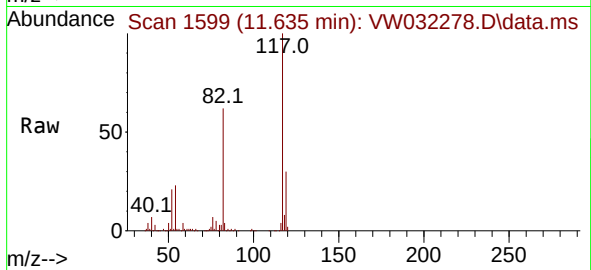




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

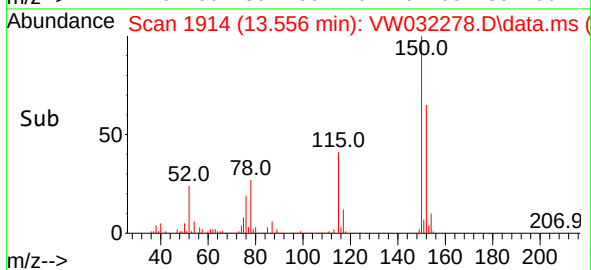
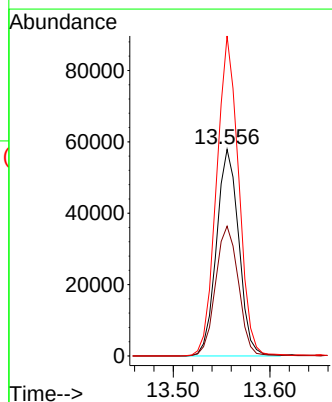
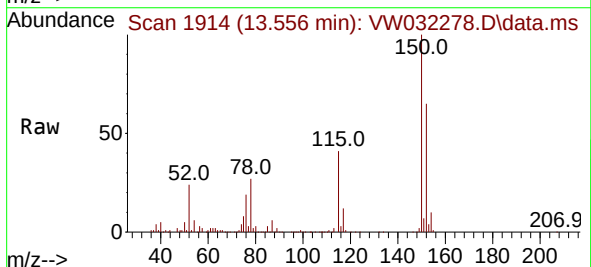
Instrument :
MSVOA_W
ClientSampleId :
OR-03-092625

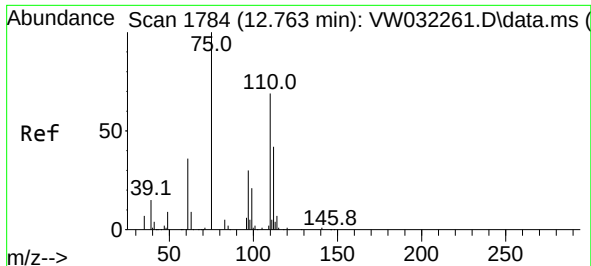
Tgt Ion:117 Resp: 194904
Ion Ratio Lower Upper
117 100
82 61.5 46.9 70.3
119 30.4 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

Tgt Ion:152 Resp: 92577
Ion Ratio Lower Upper
152 100
115 64.6 32.5 97.5
150 153.8 0.0 370.2

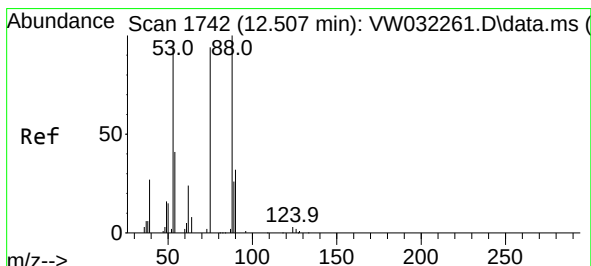
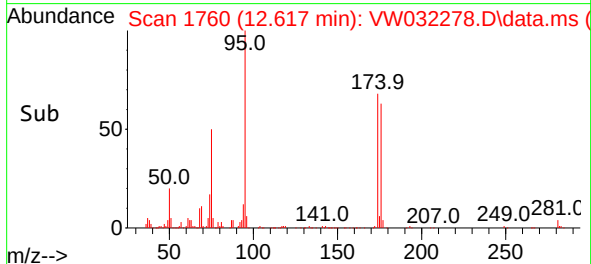
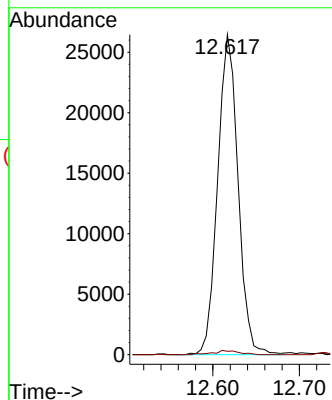
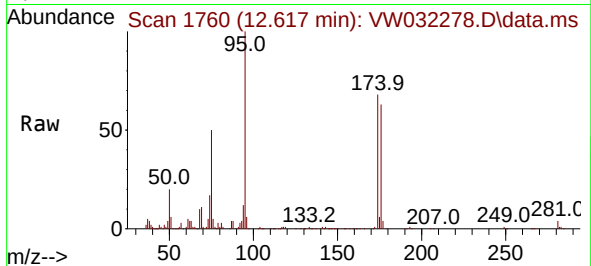




#76
1,2,3-Trichloropropane
Concen: 33.956 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

Instrument :
MSVOA_W
ClientSampleId :
OR-03-092625

Tgt Ion: 75 Resp: 43248
Ion Ratio Lower Upper
75 100
77 1.6 140.9 422.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 88.199 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW032278.D
Acq: 26 Sep 2025 14:23

Tgt Ion: 75 Resp: 43248
Ion Ratio Lower Upper
75 100
53 0.4 81.4 122.2#
89 0.0 35.4 53.2#

