

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW092625\
 Data File : VW032277.D
 Acq On : 26 Sep 2025 14:01
 Operator : SY/MD
 Sample : Q3221-01
 Misc : 5.27g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-092625

Quant Time: Sep 29 08:38:18 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)

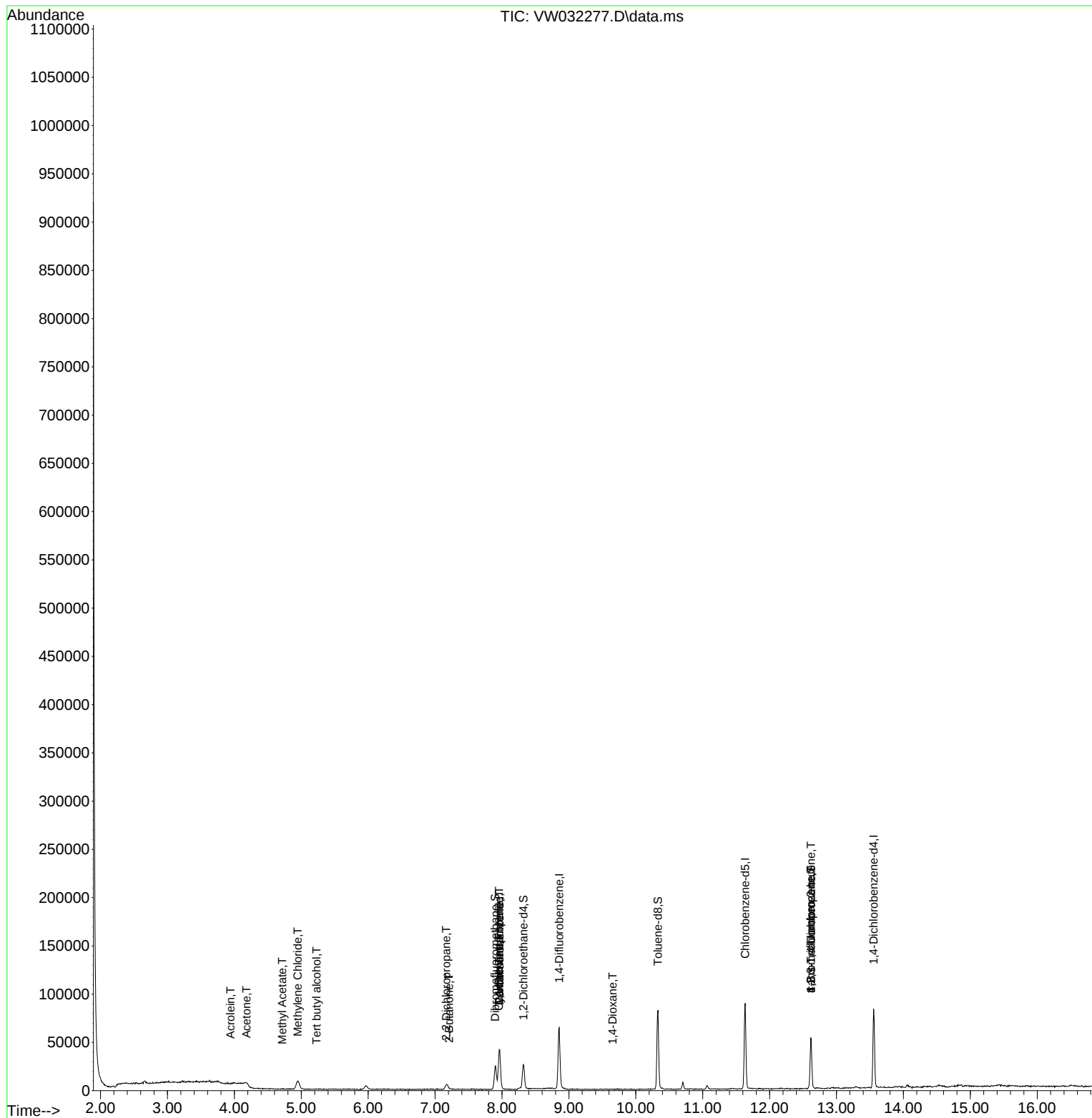
Internal Standards						
1) Pentafluorobenzene	7.965	168	28841	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	52773	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	48720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	20848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	22083	48.492	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	96.980%		
35) Dibromofluoromethane	7.898	113	17948	47.290	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	94.580%		
50) Toluene-d8	10.331	98	55411	40.511	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	81.020%		
62) 4-Bromofluorobenzene	12.617	95	19463	37.723	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	75.440%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	110	3.480	ug/l #	84
13) Acrolein	3.942	56	94	1.671	ug/l #	37
16) Acetone	4.179	43	1244	10.637	ug/l #	70
18) Methyl Acetate	4.716	43	568	1.412	ug/l #	60
20) Methylene Chloride	4.948	84	7171	11.103	ug/l #	79
25) 2-Butanone	7.209	43	321	1.969	ug/l #	47
26) 2,2-Dichloropropane	7.167	77	435	1.184	ug/l #	52
31) Cyclohexane	7.953	56	954	1.622	ug/l #	46
36) 1,1-Dichloropropene	7.959	75	2973	5.810	ug/l #	49
38) Carbon Tetrachloride	7.959	117	3379	7.019	ug/l #	20
49) 1,4-Dioxane	9.654	88	41	11.936	ug/l #	10
76) 1,2,3-Trichloropropane	12.617	75	9714	33.868	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	9714	87.970	ug/l #	9

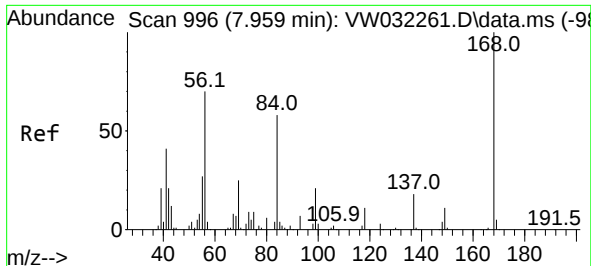
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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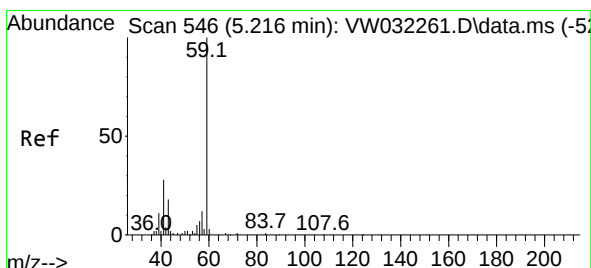
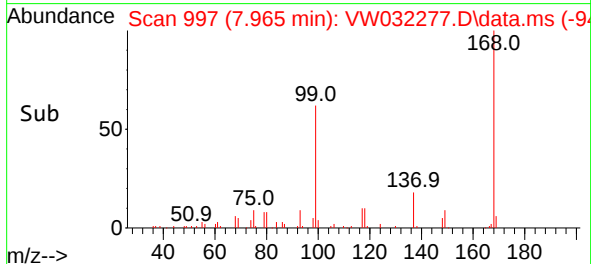
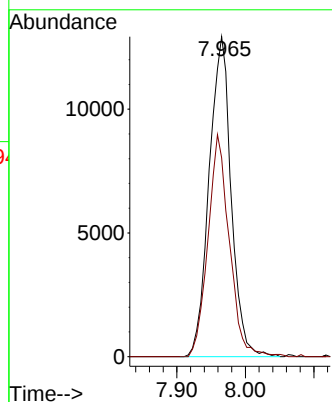
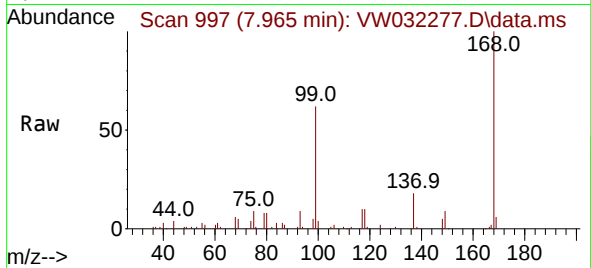




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

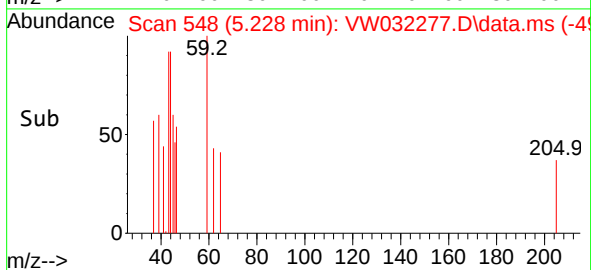
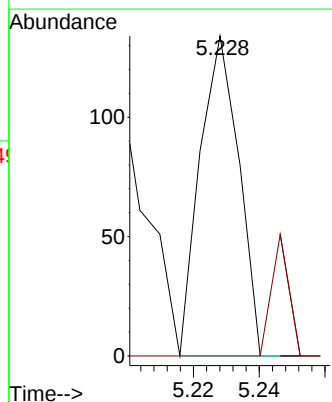
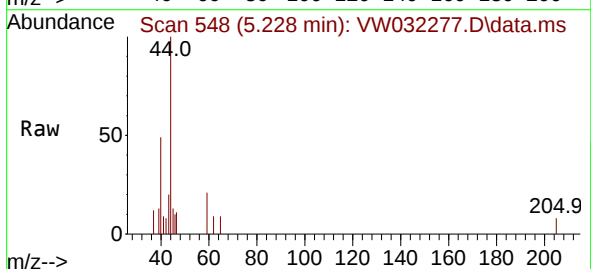
Instrument :
MSVOA_W
ClientSampleId :
HD-01-092625

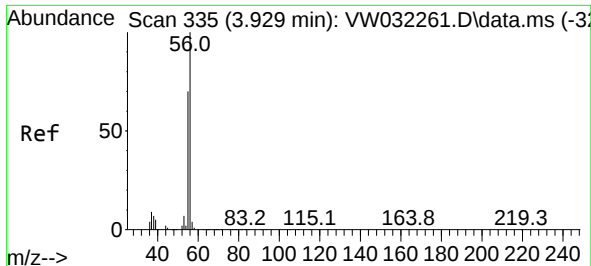
Tgt Ion:168 Resp: 28841
Ion Ratio Lower Upper
168 100
99 62.2 55.0 82.4



#11
Tert butyl alcohol
Concen: 3.480 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

Tgt Ion: 59 Resp: 110
Ion Ratio Lower Upper
59 100
57 17.3 8.9 13.3#

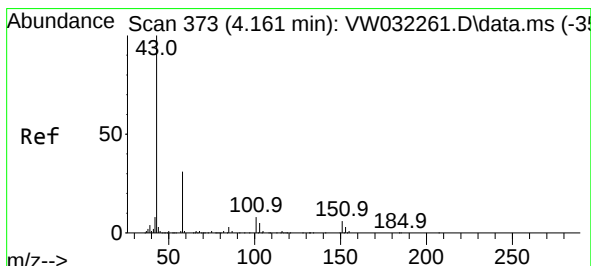
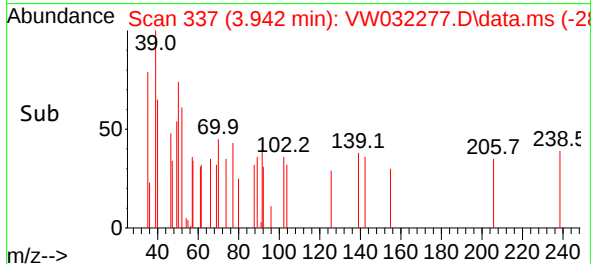
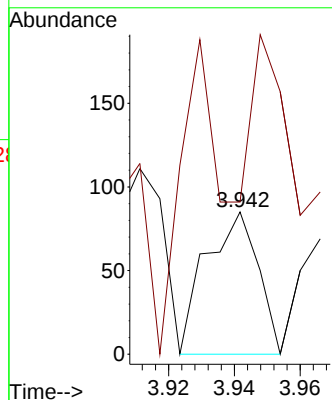
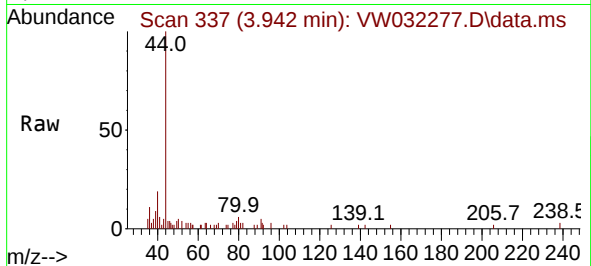




#13
Acrolein
Concen: 1.671 ug/l
RT: 3.942 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

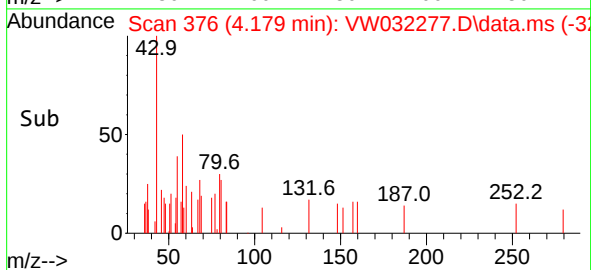
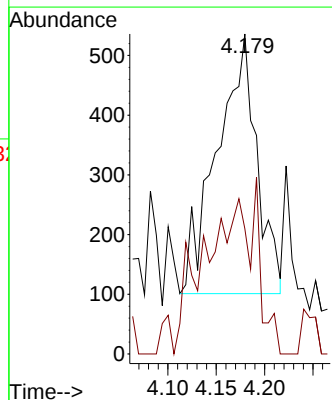
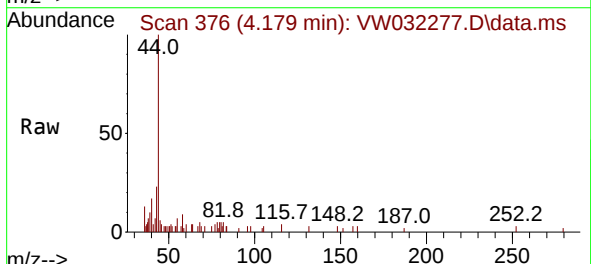
Instrument :
MSVOA_W
ClientSampleId :
HD-01-092625

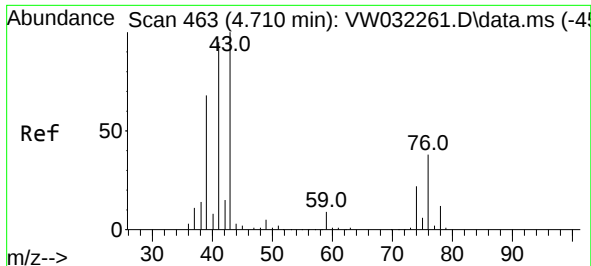
Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 117.0 53.2 79.8#



#16
Acetone
Concen: 10.637 ug/l
RT: 4.179 min Scan# 376
Delta R.T. 0.018 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

Tgt Ion: 43 Resp: 1244
Ion Ratio Lower Upper
43 100
58 48.3 25.4 38.0#

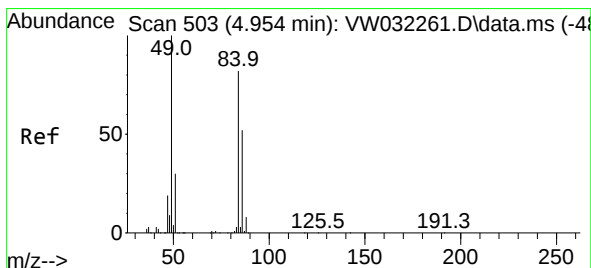
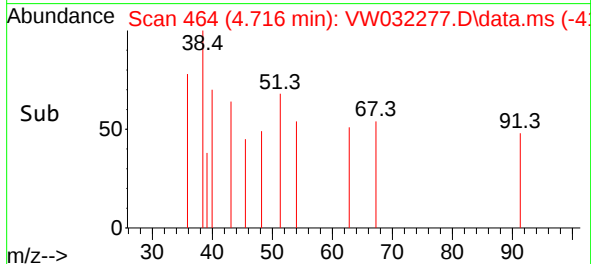
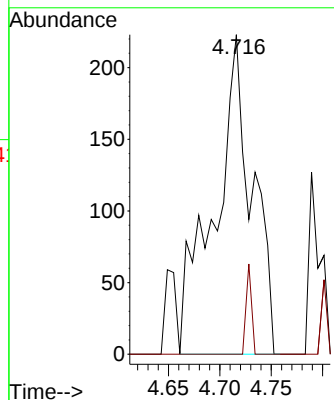
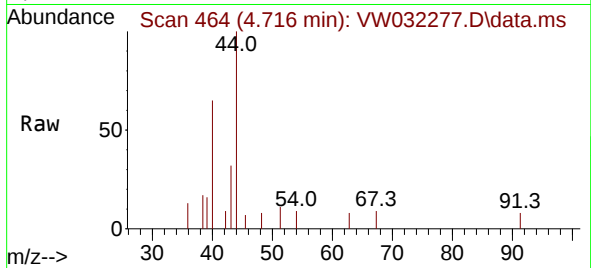




#18
Methyl Acetate
Concen: 1.412 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

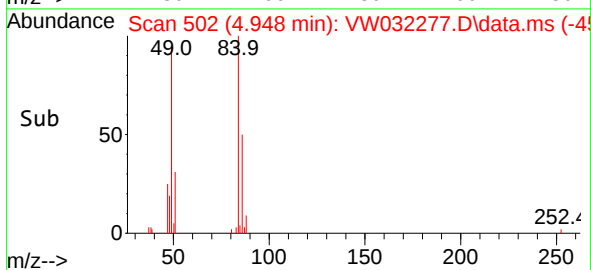
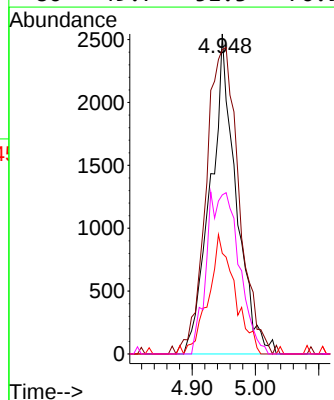
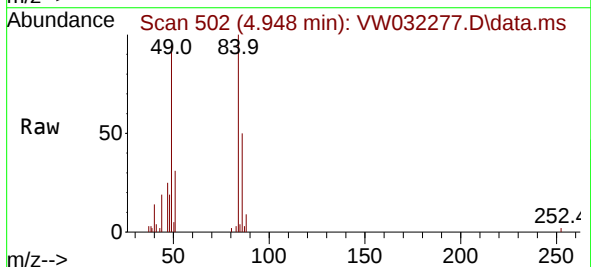
Instrument :
MSVOA_W
ClientSampleId :
HD-01-092625

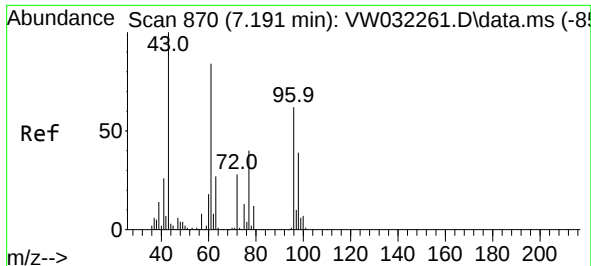
Tgt Ion: 43 Resp: 568
Ion Ratio Lower Upper
43 100
74 4.0 18.8 28.2#



#20
Methylene Chloride
Concen: 11.103 ug/l
RT: 4.948 min Scan# 502
Delta R.T. -0.006 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

Tgt Ion: 84 Resp: 7171
Ion Ratio Lower Upper
84 100
49 95.1 97.8 146.6#
51 29.2 29.9 44.9#
86 49.7 51.3 76.9#

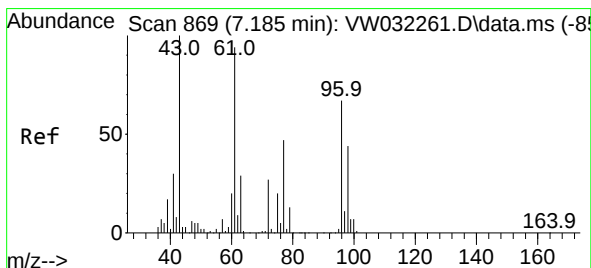
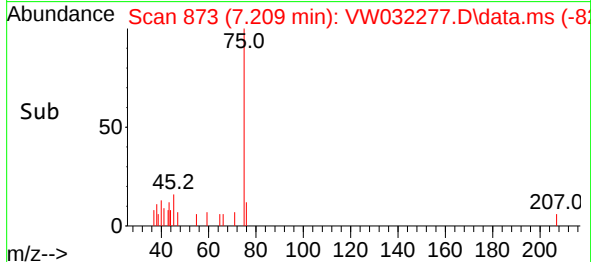
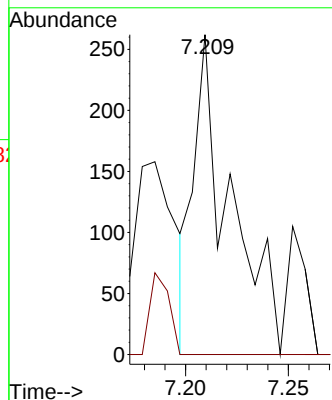
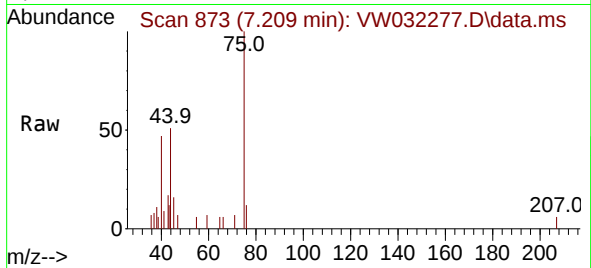




#25
2-Butanone
Concen: 1.969 ug/l
RT: 7.209 min Scan# 870
Delta R.T. 0.018 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

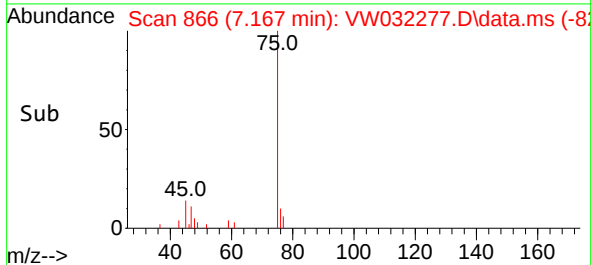
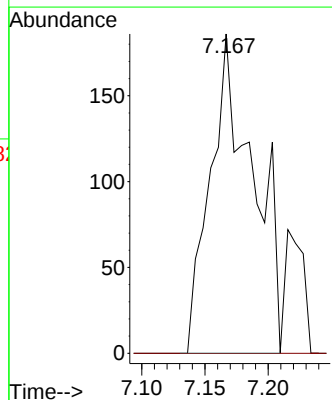
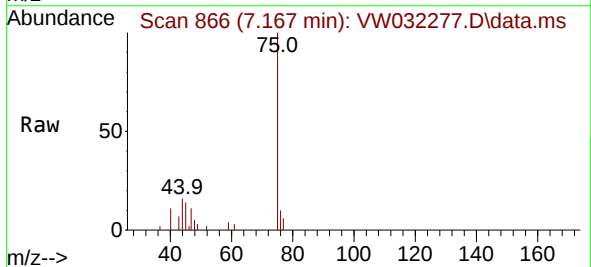
Instrument :
MSVOA_W
ClientSampleId :
HD-01-092625

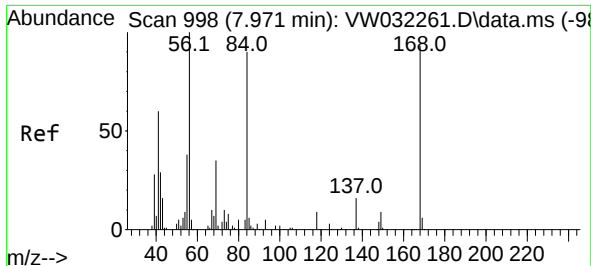
Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
72 0.0 22.3 33.5#



#26
2,2-Dichloropropane
Concen: 1.184 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.018 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

Tgt Ion: 77 Resp: 435
Ion Ratio Lower Upper
77 100
97 0.0 11.7 35.0#

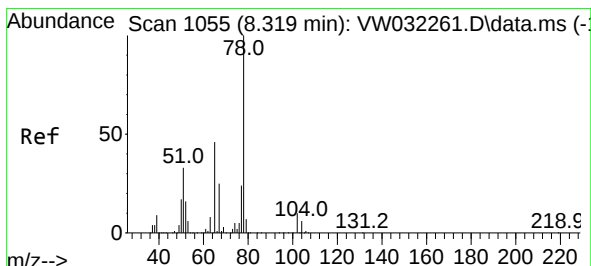
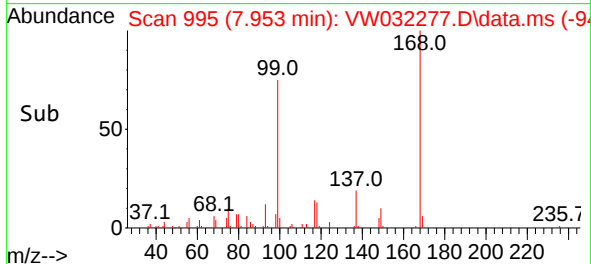
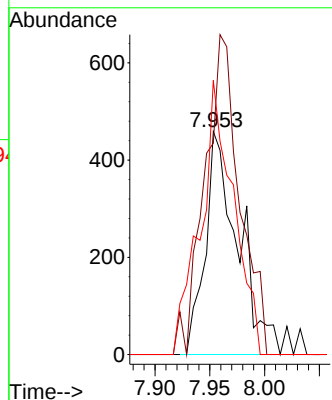
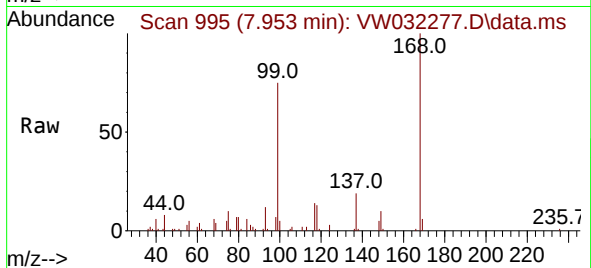




#31
Cyclohexane
Concen: 1.622 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.018 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

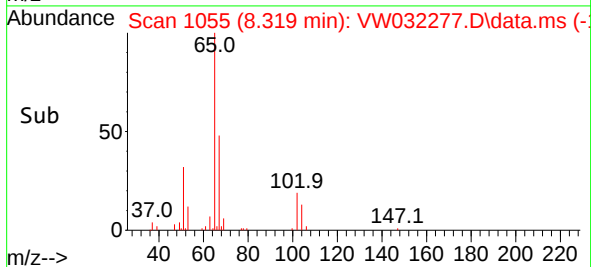
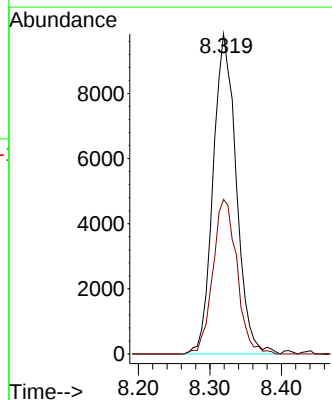
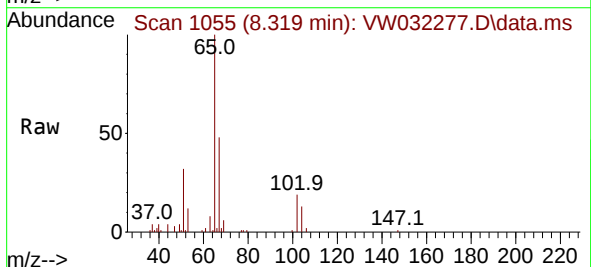
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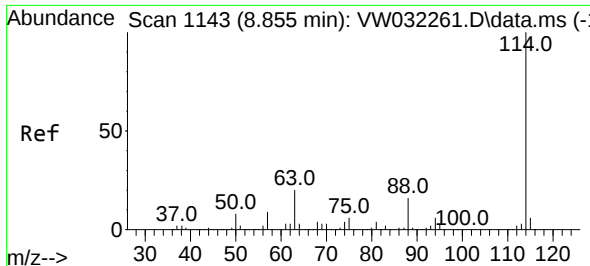
Tgt Ion: 56 Resp: 954
Ion Ratio Lower Upper
56 100
69 94.8 28.2 42.2#
84 122.9 71.8 107.6#



#33
1,2-Dichloroethane-d4
Concen: 48.492 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

Tgt Ion: 65 Resp: 22083
Ion Ratio Lower Upper
65 100
67 50.3 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: VW032277.D

Acq: 26 Sep 2025 14:01

Instrument :

MSVOA_W

ClientSampleId :

HD-01-092625

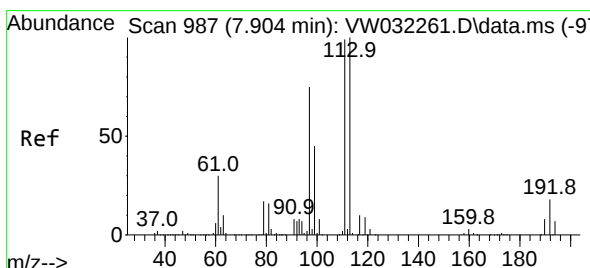
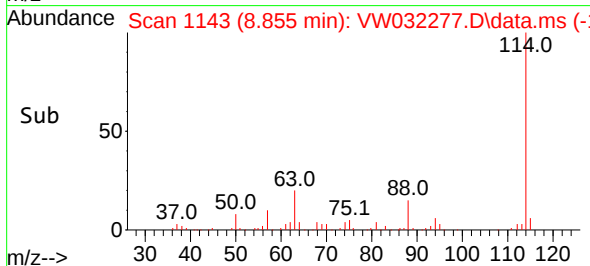
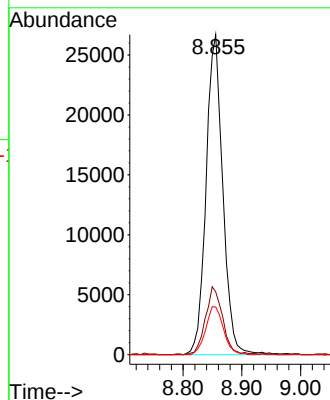
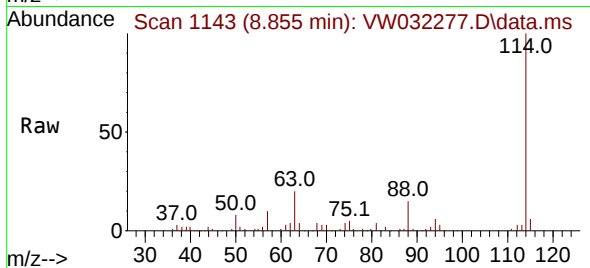
Tgt Ion:114 Resp: 52773

Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.2

88 14.9 0.0 32.0



#35

Dibromofluoromethane

Concen: 47.290 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032277.D

Acq: 26 Sep 2025 14:01

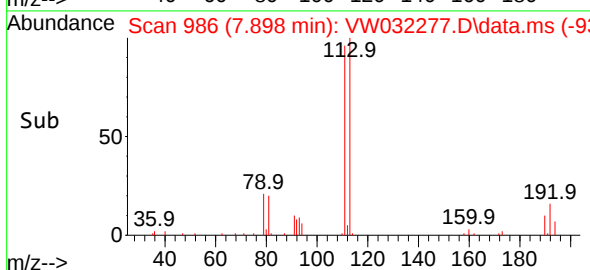
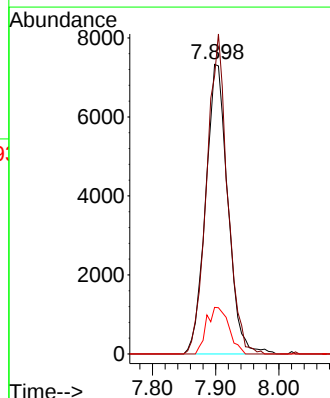
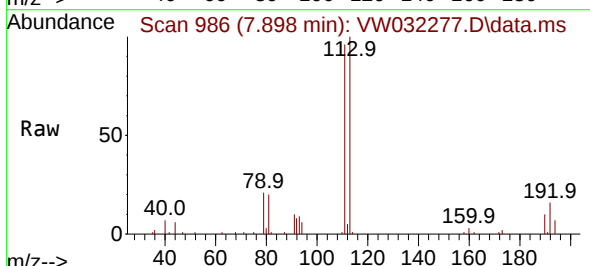
Tgt Ion:113 Resp: 17948

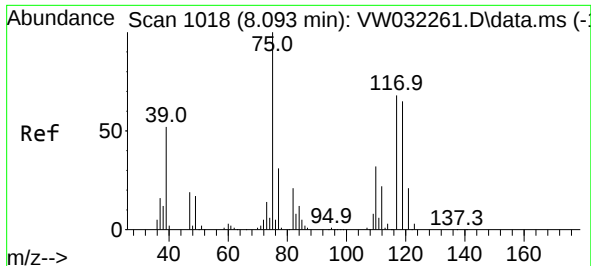
Ion Ratio Lower Upper

113 100

111 102.7 81.8 122.8

192 16.1 13.0 19.4

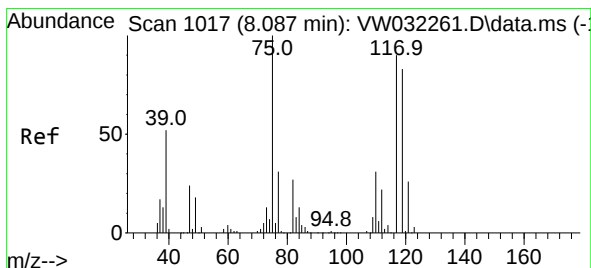
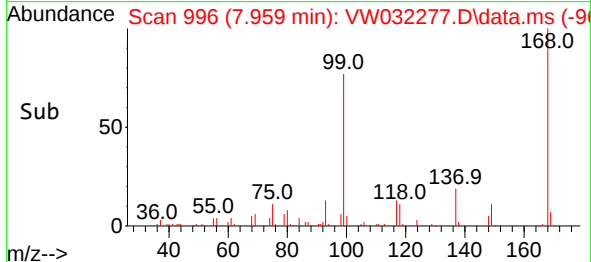
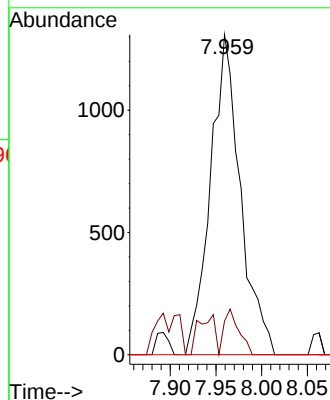
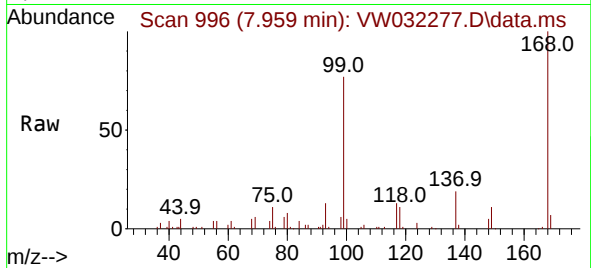




#36
1,1-Dichloropropene
Concen: 5.810 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.134 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

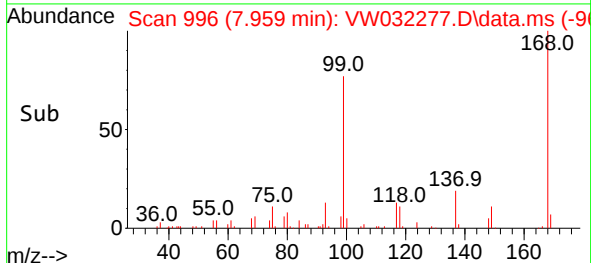
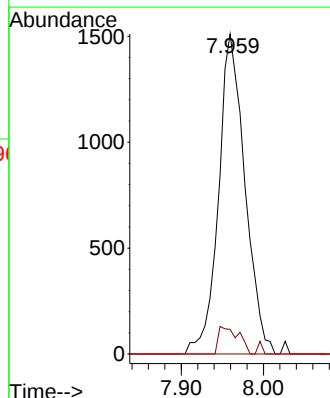
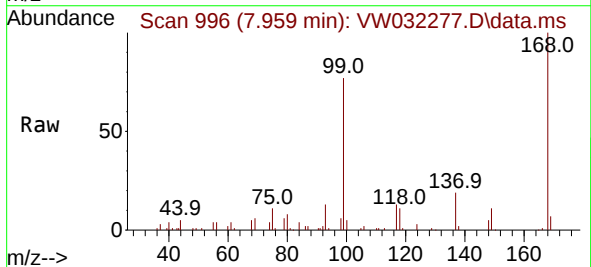
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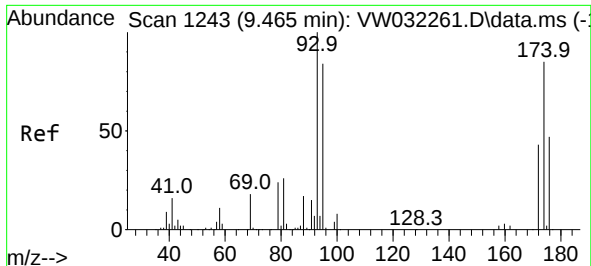
Tgt Ion: 75 Resp: 2973
Ion Ratio Lower Upper
75 100
110 7.2 16.7 50.1#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 7.019 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

Tgt Ion: 117 Resp: 3379
Ion Ratio Lower Upper
117 100
119 7.7 73.9 110.9#
121 0.0 23.0 34.6#





#49

1,4-Dioxane

Concen: 11.936 ug/l

RT: 9.654 min Scan# 1274

Delta R.T. 0.189 min

Lab File: VW032277.D

Acq: 26 Sep 2025 14:01

Instrument :

MSVOA_W

ClientSampleId :

HD-01-092625

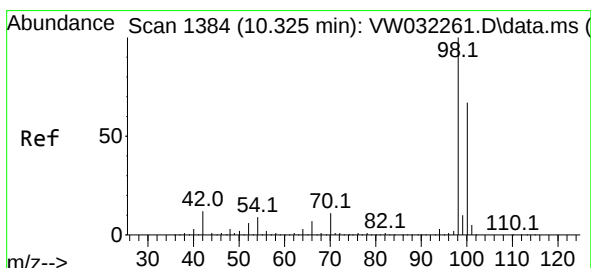
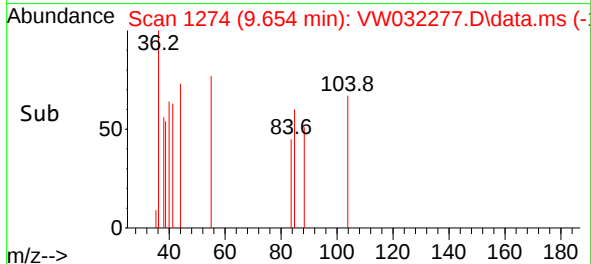
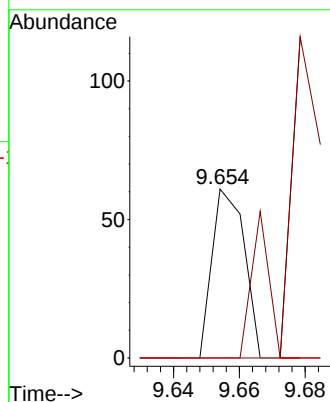
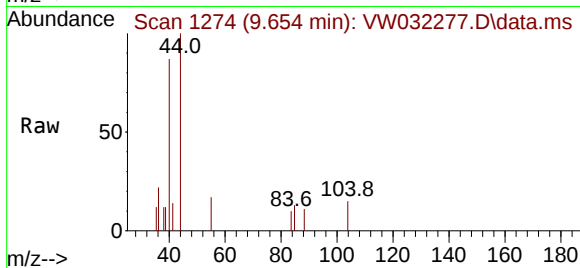
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 0.0 0.0

58 0.0 62.9 94.3#



#50

Toluene-d8

Concen: 40.511 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032277.D

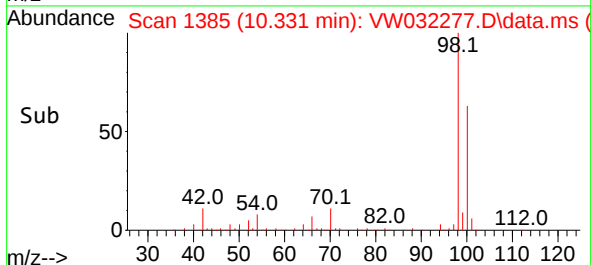
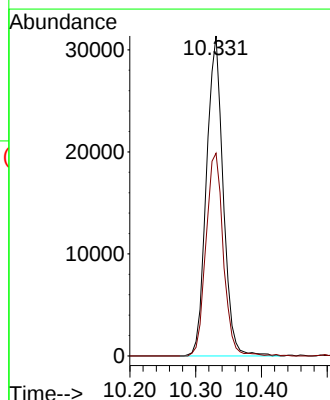
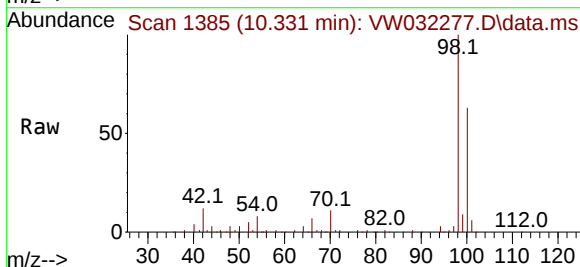
Acq: 26 Sep 2025 14:01

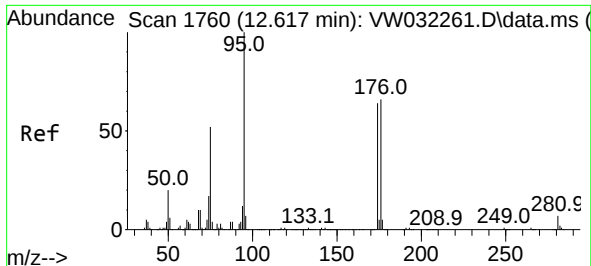
Tgt Ion: 98 Resp: 55411

Ion Ratio Lower Upper

98 100

100 65.7 53.0 79.4

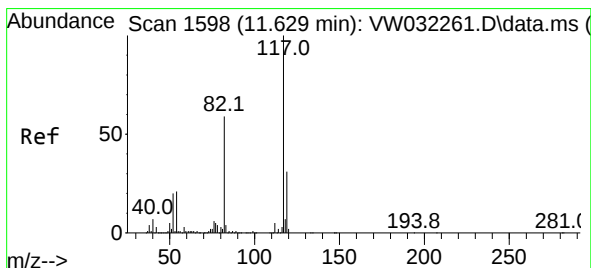
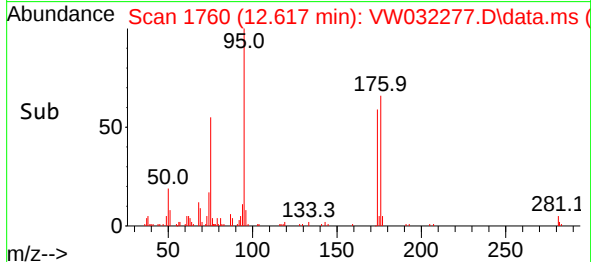
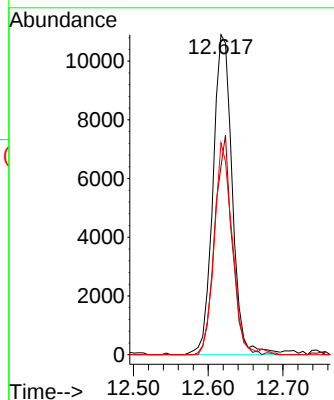
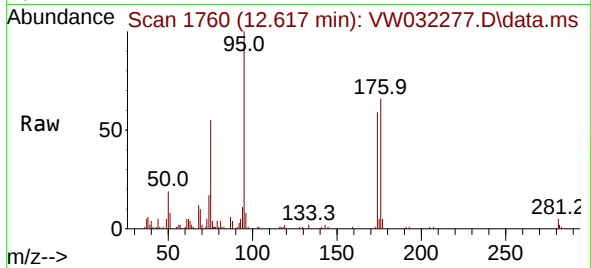




#62
4-Bromofluorobenzene
Concen: 37.723 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

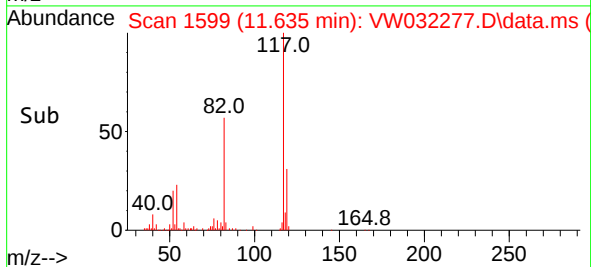
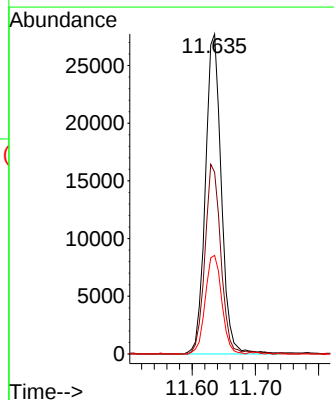
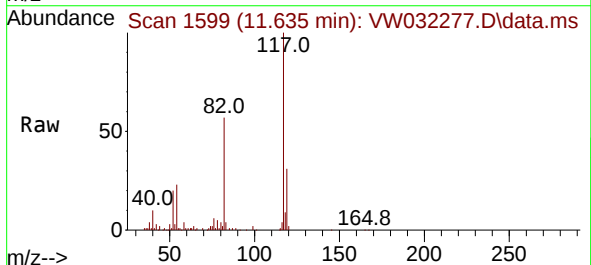
Instrument :
MSVOA_W
ClientSampleId :
HD-01-092625

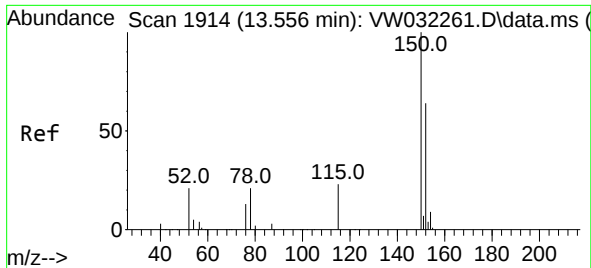
Tgt Ion:	95	Resp:	19463
Ion	Ratio	Lower	Upper
95	100		
174	61.9	0.0	130.6
176	61.7	0.0	127.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

Tgt Ion:	117	Resp:	48720
Ion	Ratio	Lower	Upper
117	100		
82	56.8	46.9	70.3
119	30.8	24.9	37.3

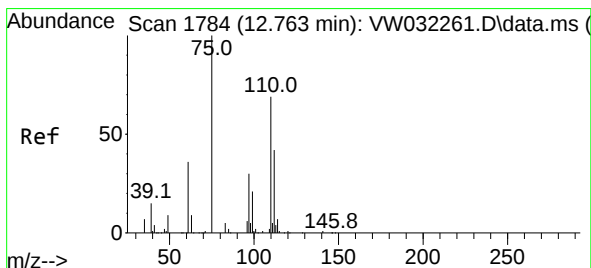
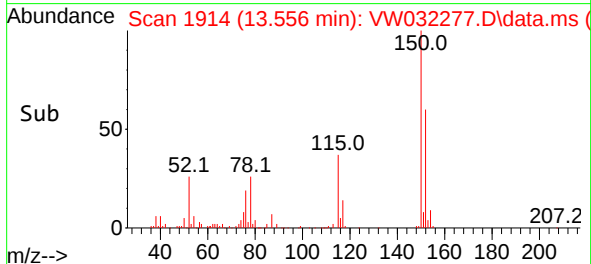
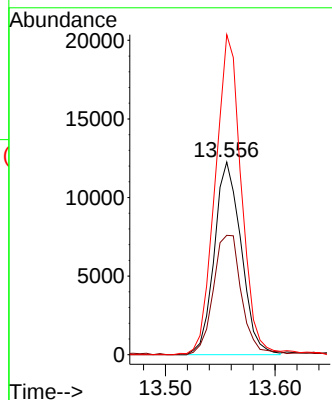
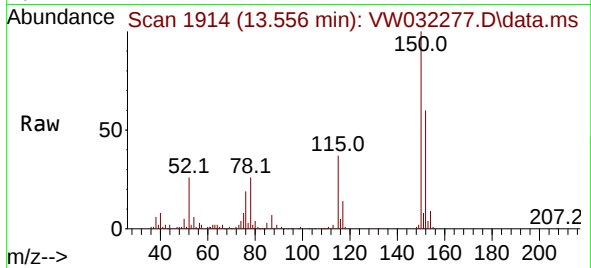




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

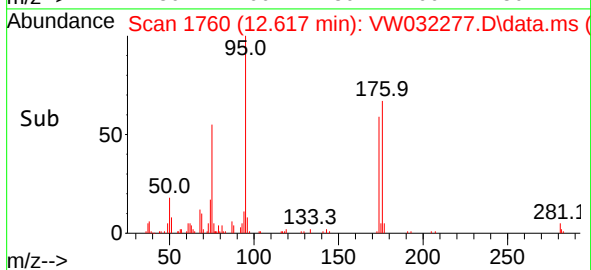
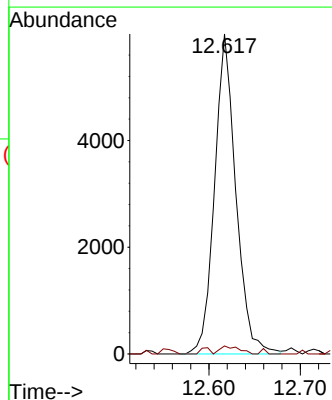
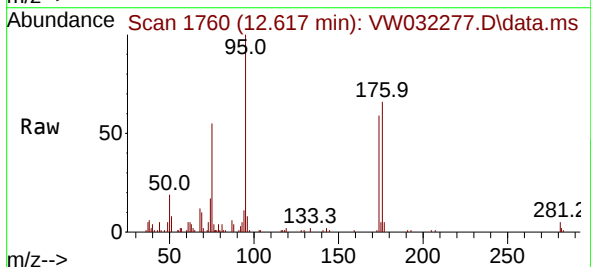
Instrument :
MSVOA_W
ClientSampleId :
HD-01-092625

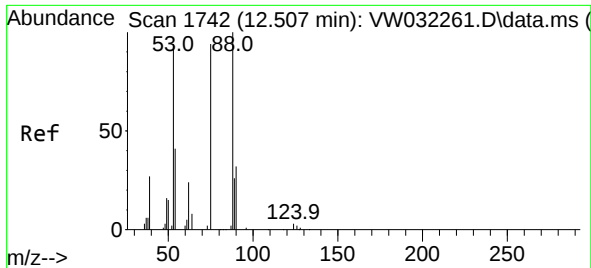
Tgt Ion:152 Resp: 20848
Ion Ratio Lower Upper
152 100
115 65.3 32.5 97.5
150 163.3 0.0 370.2



#76
1,2,3-Trichloropropane
Concen: 33.868 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032277.D
Acq: 26 Sep 2025 14:01

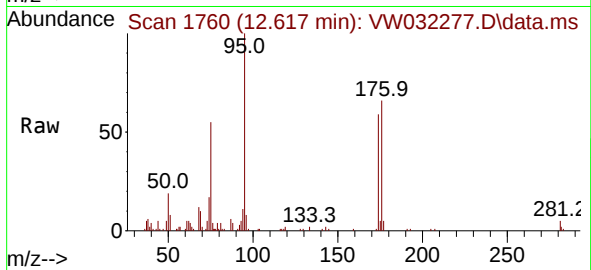
Tgt Ion: 75 Resp: 9714
Ion Ratio Lower Upper
75 100
77 2.2 140.9 422.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 87.970 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW032277.D
 Acq: 26 Sep 2025 14:01

Instrument :
 MSVOA_W
 ClientSampleId :
 HD-01-092625



Tgt Ion: 75 Resp: 9714
 Ion Ratio Lower Upper
 75 100
 53 0.3 81.4 122.2#
 89 0.0 35.4 53.2#

