

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032175.D
 Acq On : 15 Sep 2025 15:49
 Operator : SY/MD
 Sample : Q3106-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:37:36 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)

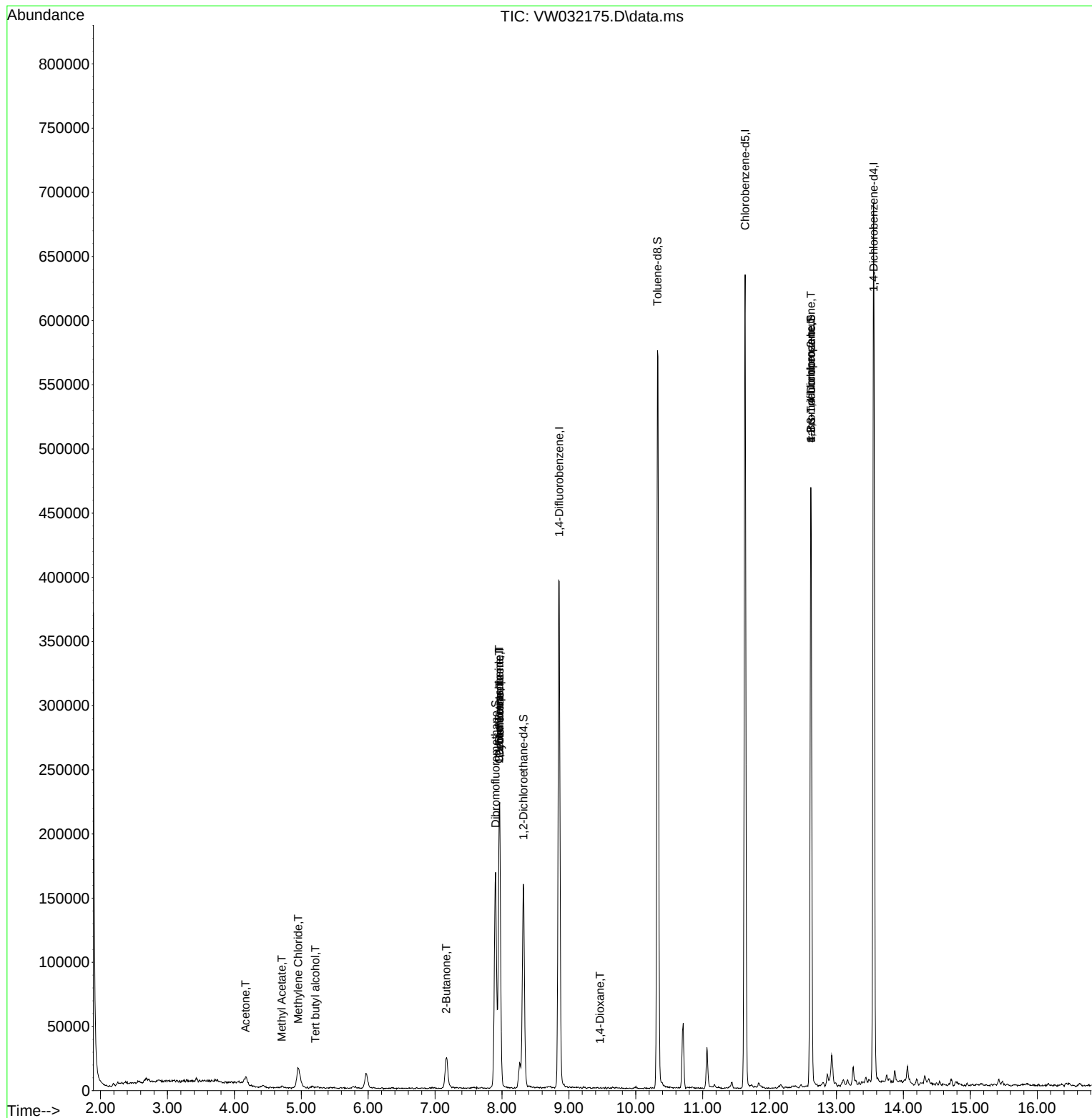
Internal Standards						
1) Pentafluorobenzene	7.965	168	158177	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	325166	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	341277	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	176389	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	131584	58.168	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 116.340%		
35) Dibromofluoromethane	7.904	113	116209	50.939	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 101.880%		
50) Toluene-d8	10.325	98	382500	47.761	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 95.520%		
62) 4-Bromofluorobenzene	12.617	95	153894	51.966	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 103.940%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.210	59	618	4.466	ug/l #	69
16) Acetone	4.167	43	9540	19.473	ug/l #	84
18) Methyl Acetate	4.710	43	2585	1.656	ug/l	92
20) Methylene Chloride	4.954	84	13819	3.339	ug/l	92
25) 2-Butanone	7.167	43	961	1.384	ug/l	95
31) Cyclohexane	7.965	56	4125	1.485	ug/l #	49
36) 1,1-Dichloropropene	7.959	75	14321	4.842	ug/l #	52
38) Carbon Tetrachloride	7.959	117	16717	5.272	ug/l #	19
49) 1,4-Dioxane	9.465	88	50	2.677	ug/l #	61
76) 1,2,3-Trichloropropane	12.617	75	82614	37.385	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	82614	100.658	ug/l #	5

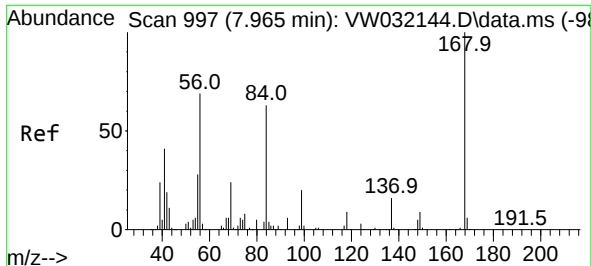
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VW032175.D
Acq On : 15 Sep 2025 15:49
Operator : SY/MD
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Misc : 5.00g/5mL/MSVOA_W/SOIL/A
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Quant Time: Sep 16 06:37:36 2025
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Quant Title : SW846 8260
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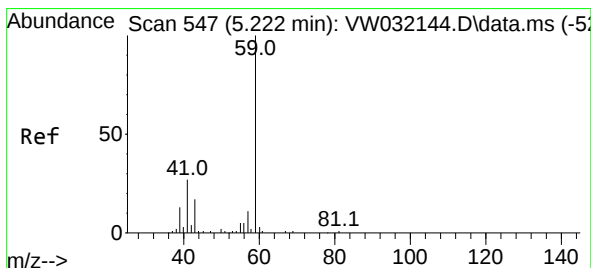
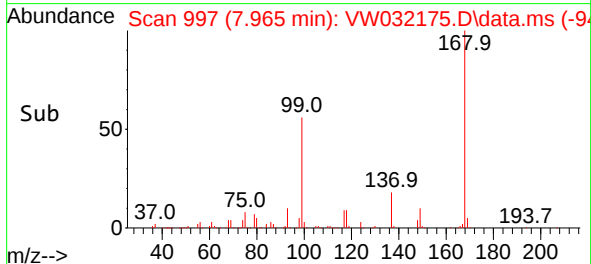
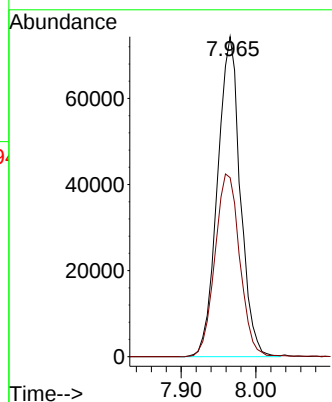
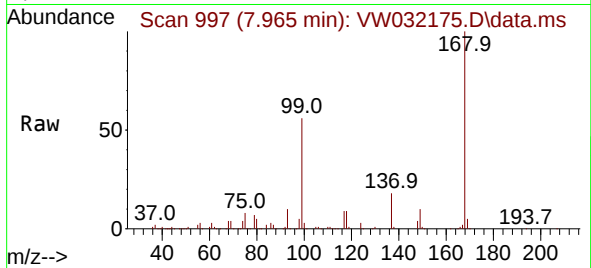




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

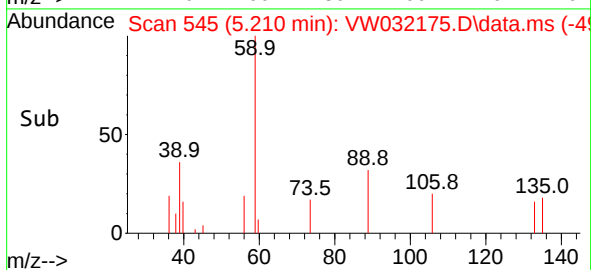
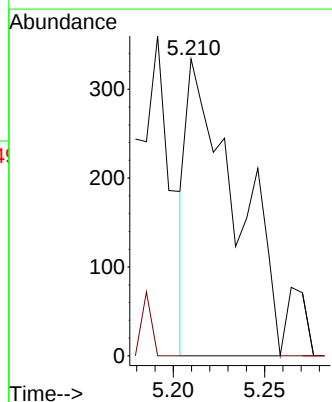
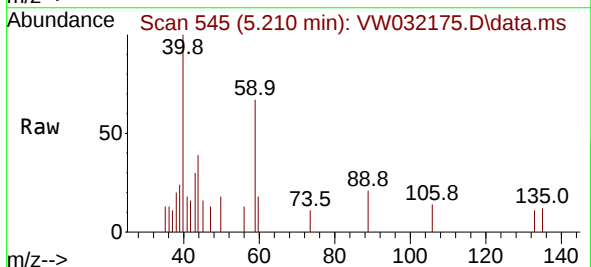
Instrument :
MSVOA_W
ClientSampleId :

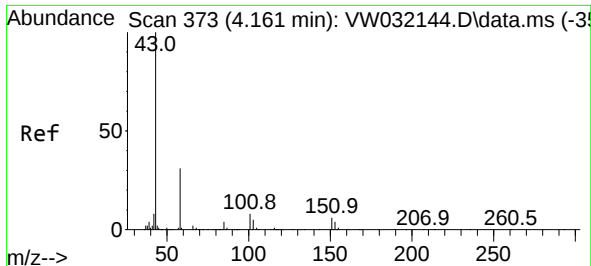
Tgt Ion:168 Resp: 158177
Ion Ratio Lower Upper
168 100
99 55.9 49.3 73.9



#11
Tert butyl alcohol
Concen: 4.466 ug/l
RT: 5.210 min Scan# 545
Delta R.T. -0.012 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

Tgt Ion: 59 Resp: 618
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

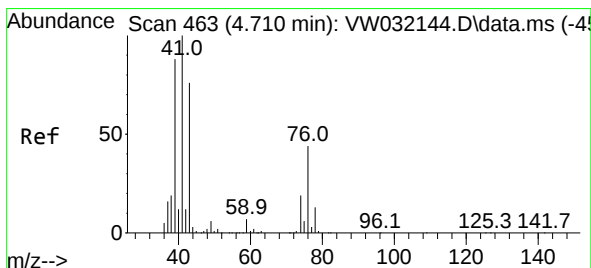
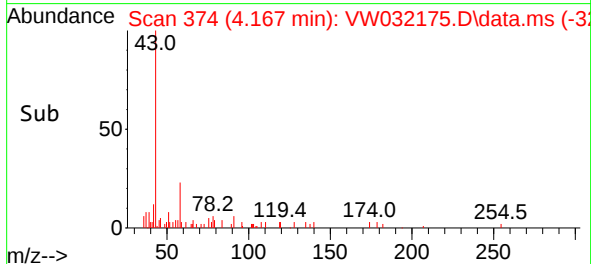
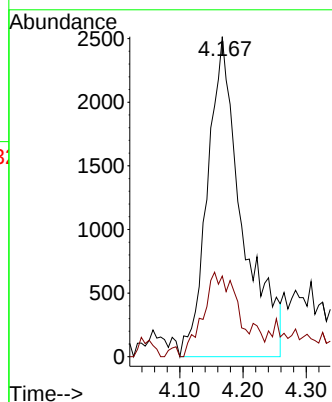
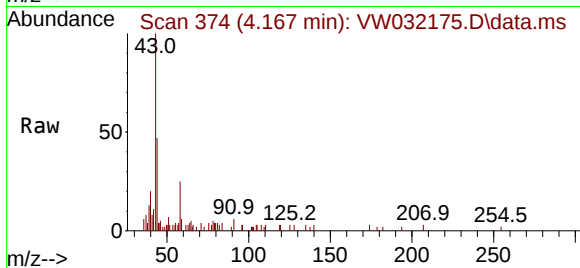




#16
Acetone
Concen: 19.473 ug/l
RT: 4.167 min Scan# 373
Delta R.T. 0.006 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

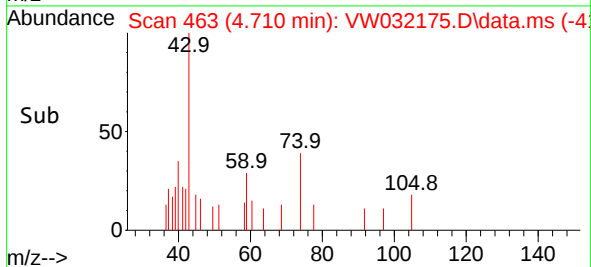
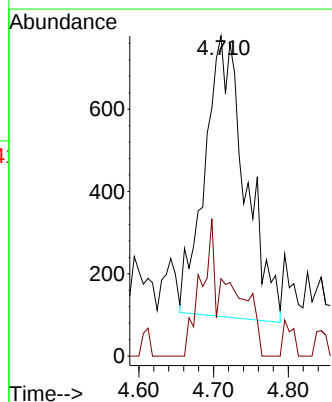
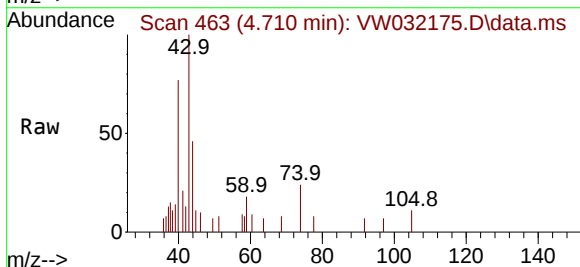
Instrument :
MSVOA_W
ClientSampleId :

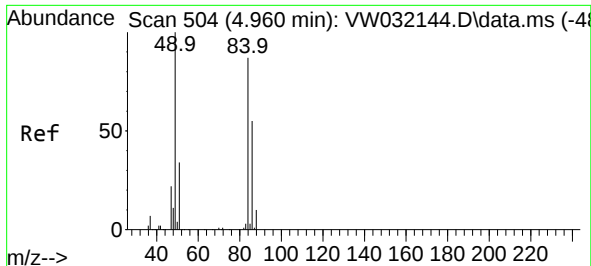
Tgt Ion: 43 Resp: 9540
Ion Ratio Lower Upper
43 100
58 23.0 25.3 37.9#



#18
Methyl Acetate
Concen: 1.656 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

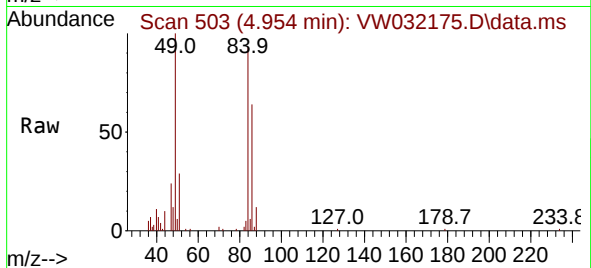
Tgt Ion: 43 Resp: 2585
Ion Ratio Lower Upper
43 100
74 21.4 20.2 30.4



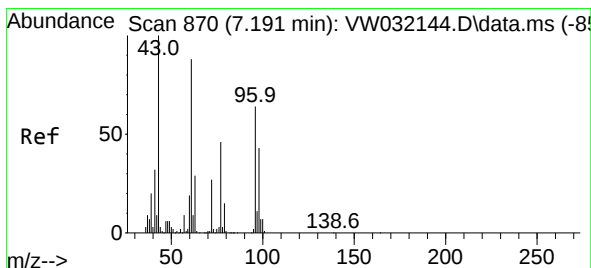
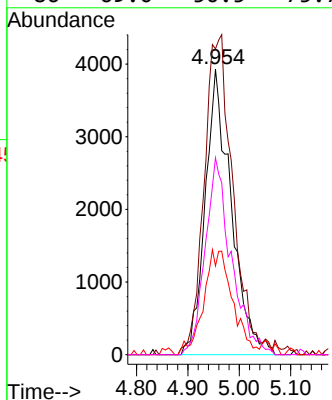
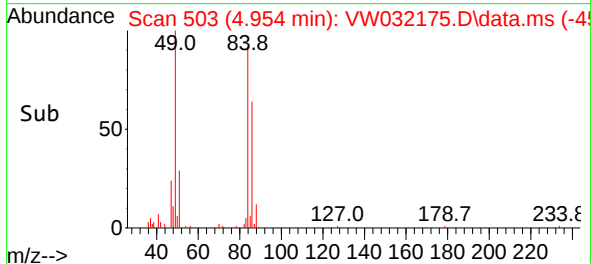


#20
Methylene Chloride
Concen: 3.339 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

Instrument :
MSVOA_W
ClientSampleId :

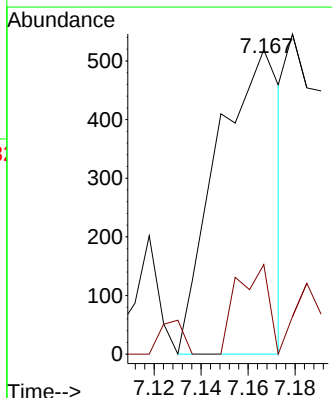
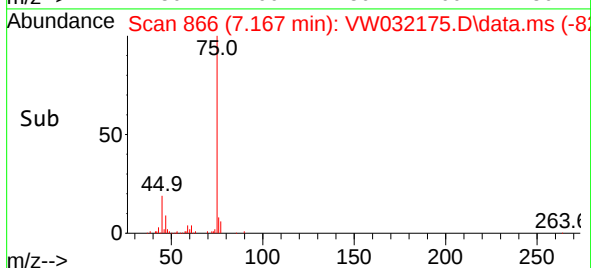
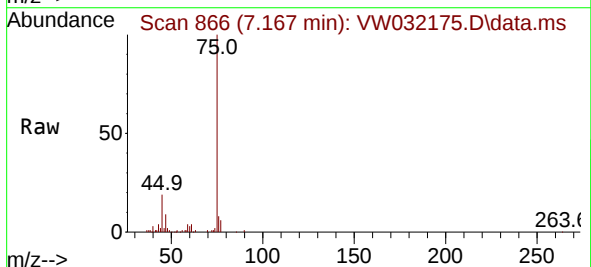


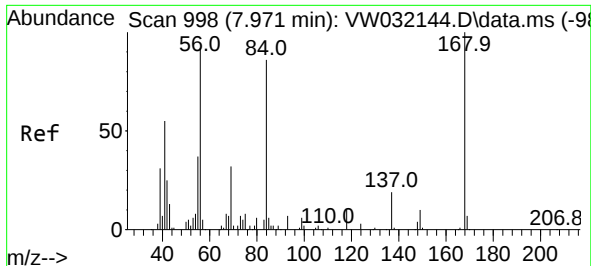
Tgt Ion: 84	Resp: 13819
Ion Ratio	Lower Upper
84 100	
49 107.1	92.2 138.4
51 31.1	31.0 46.6
86 69.0	50.5 75.7



#25
2-Butanone
Concen: 1.384 ug/l
RT: 7.167 min Scan# 866
Delta R.T. -0.024 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

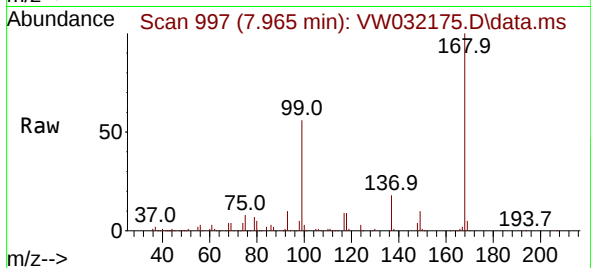
Tgt Ion: 43	Resp: 961
Ion Ratio	Lower Upper
43 100	
72 29.5	21.4 32.2



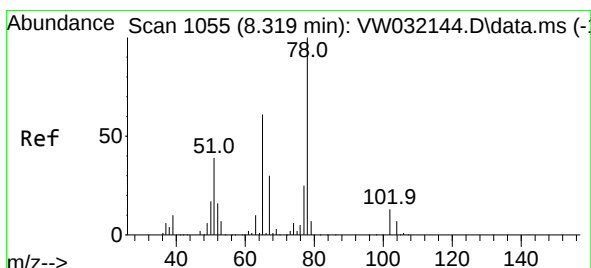
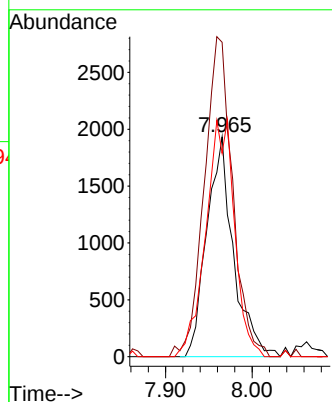
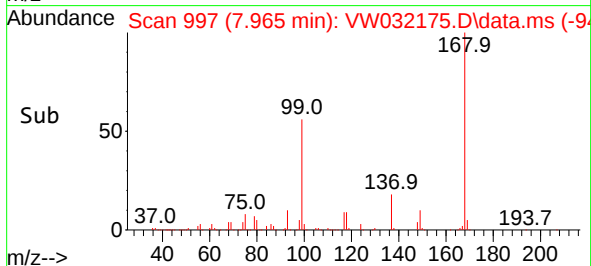


#31
Cyclohexane
Concen: 1.485 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

Instrument :
MSVOA_W
ClientSampleId :

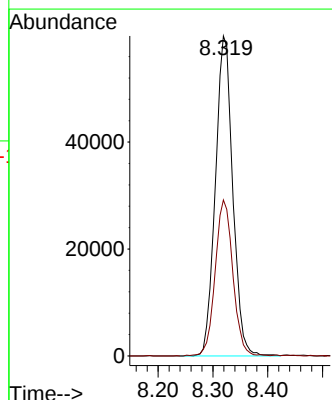
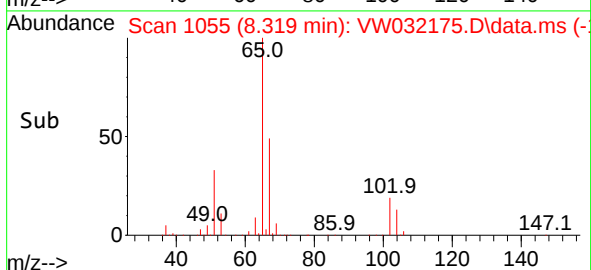
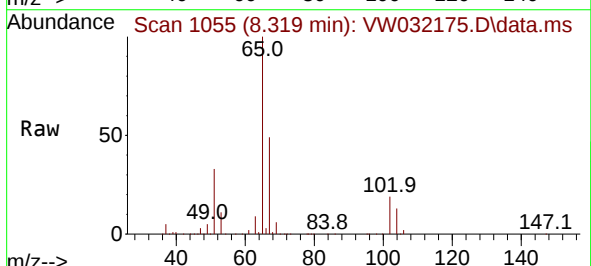


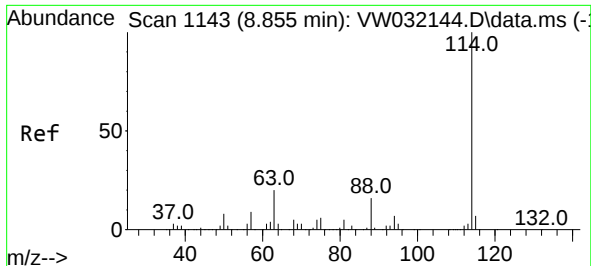
Tgt Ion: 56 Resp: 4125
Ion Ratio Lower Upper
56 100
69 143.0 27.7 41.5#
84 92.5 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 58.168 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

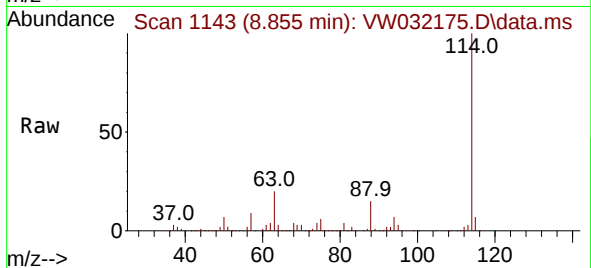
Tgt Ion: 65 Resp: 131584
Ion Ratio Lower Upper
65 100
67 49.7 0.0 99.6



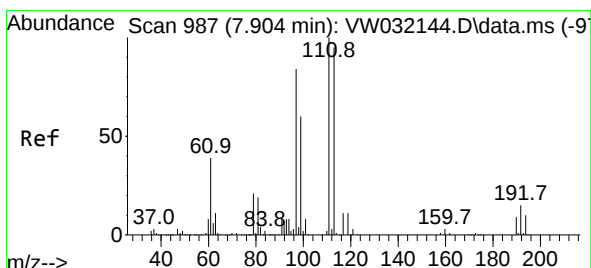
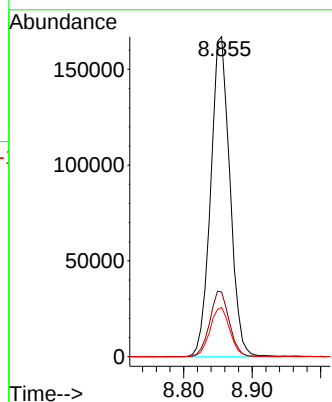
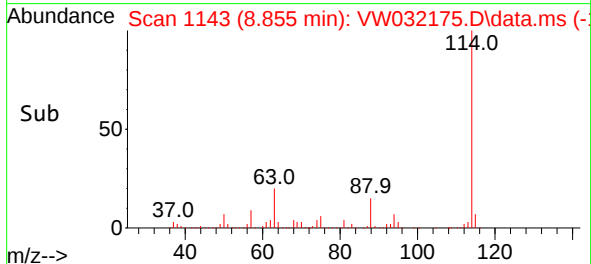


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

Instrument :
MSVOA_W
ClientSampleId :

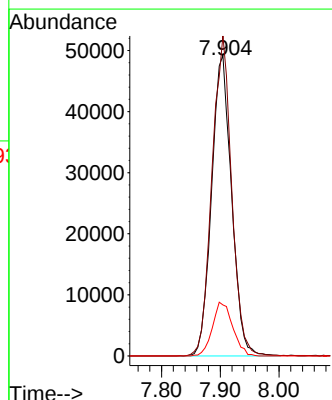
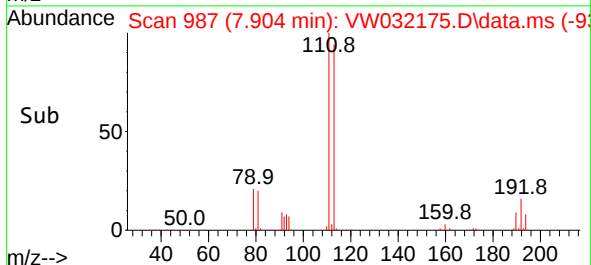
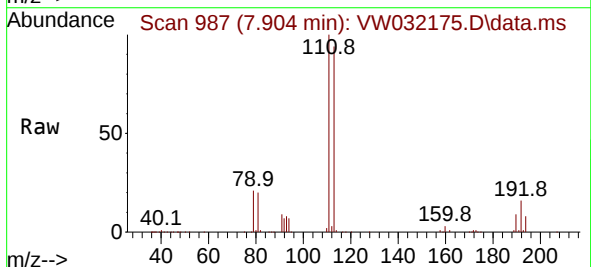


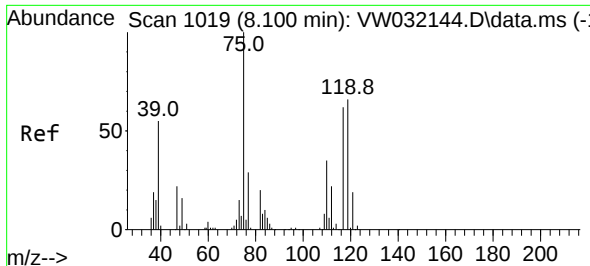
Tgt Ion:114 Resp: 325166
Ion Ratio Lower Upper
114 100
63 20.1 0.0 40.4
88 15.4 0.0 32.0



#35
Dibromofluoromethane
Concen: 50.939 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

Tgt Ion:113 Resp: 116209
Ion Ratio Lower Upper
113 100
111 105.0 83.9 125.9
192 18.2 14.6 21.8

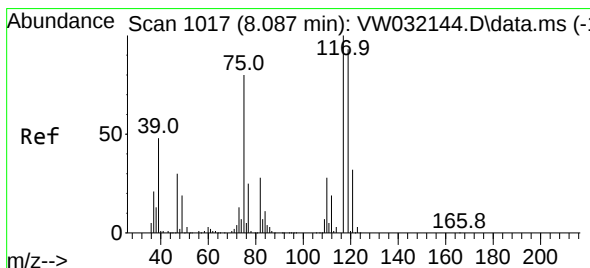
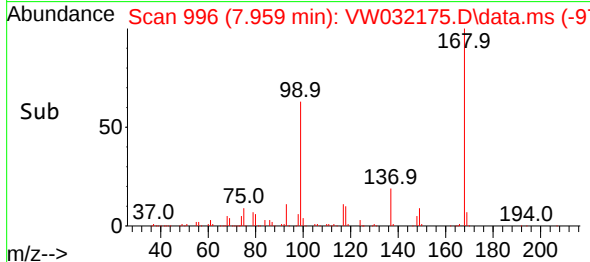
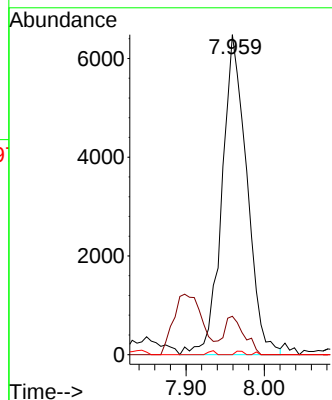
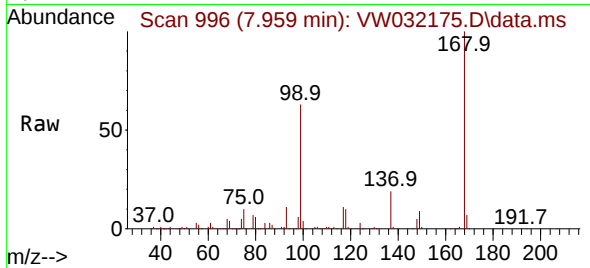




#36
1,1-Dichloropropene
Concen: 4.842 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

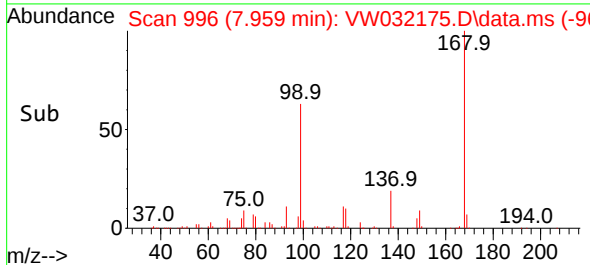
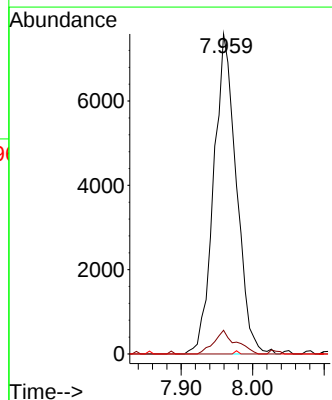
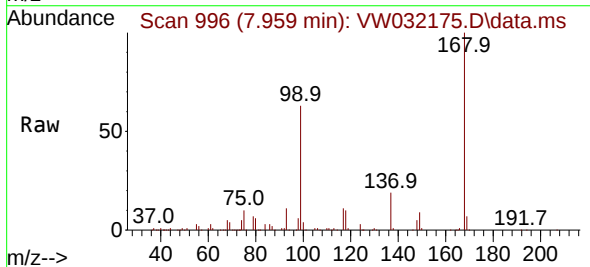
Instrument :
MSVOA_W
ClientSampleId :

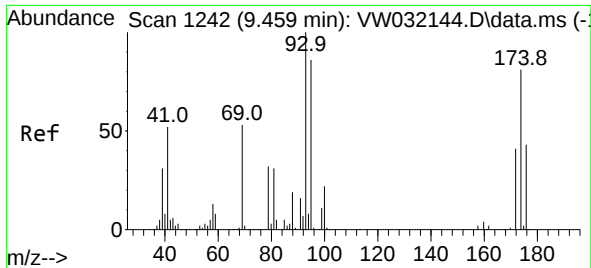
Tgt Ion: 75 Resp: 14321
Ion Ratio Lower Upper
75 100
110 10.2 17.5 52.5#
77 0.3 24.1 36.1#



#38
Carbon Tetrachloride
Concen: 5.272 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.128 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

Tgt Ion: 117 Resp: 16717
Ion Ratio Lower Upper
117 100
119 7.4 74.2 111.2#
121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 2.677 ug/l

RT: 9.465 min Scan# 11

Delta R.T. 0.006 min

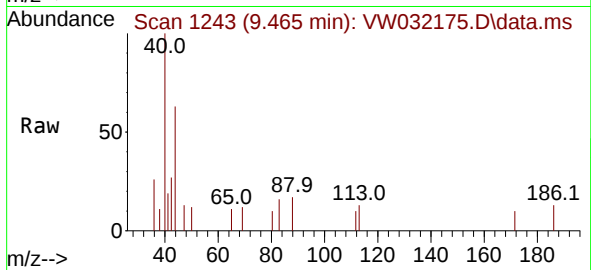
Lab File: VW032175.D

Acq: 15 Sep 2025 15:49

Instrument :

MSVOA_W

ClientSampleId :



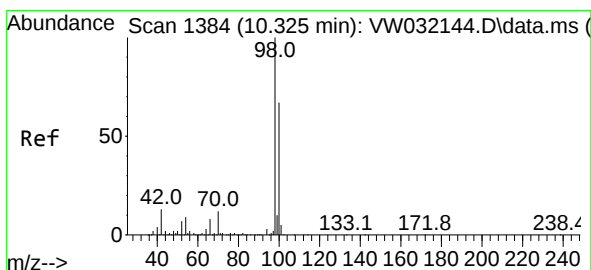
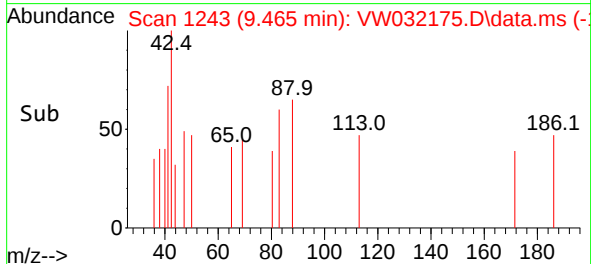
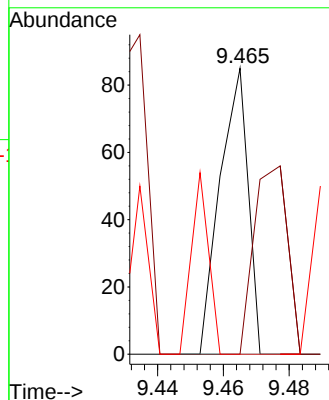
Tgt Ion: 88 Resp: 50

Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 40.0 55.4 83.0#



#50

Toluene-d8

Concen: 47.761 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032175.D

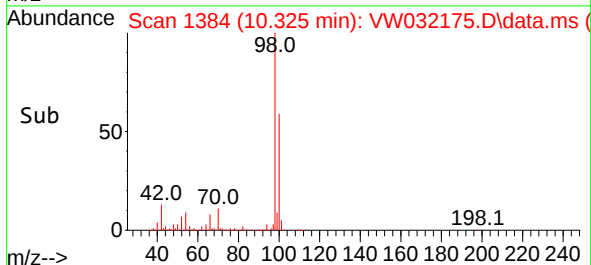
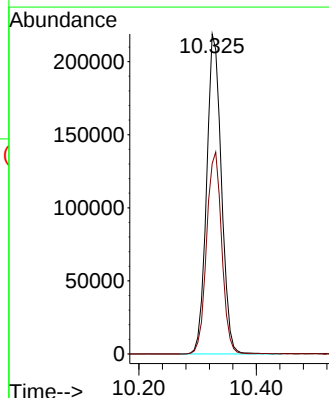
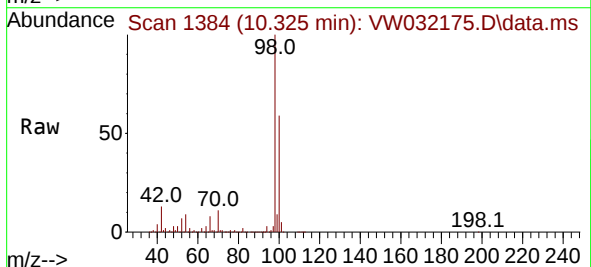
Acq: 15 Sep 2025 15:49

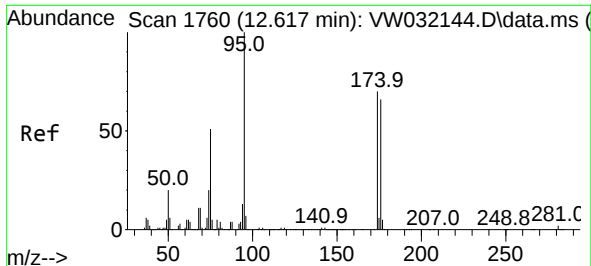
Tgt Ion: 98 Resp: 382500

Ion Ratio Lower Upper

98 100

100 64.6 51.4 77.2

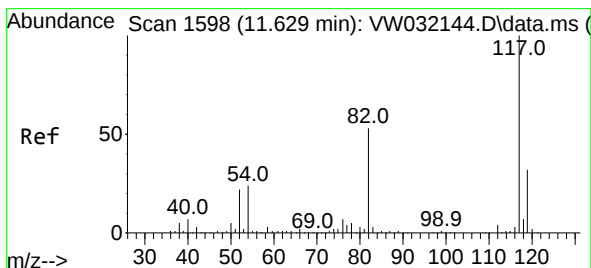
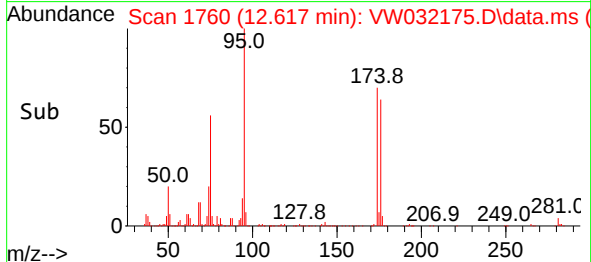
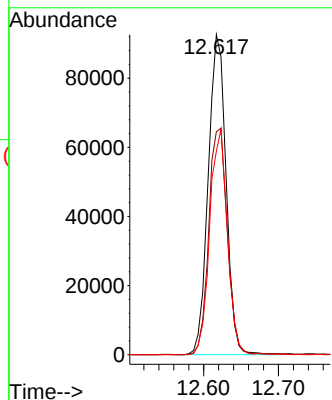
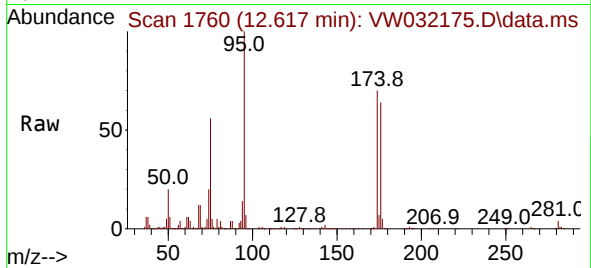




#62
4-Bromofluorobenzene
Concen: 51.966 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

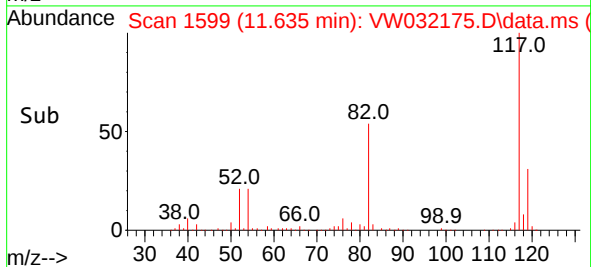
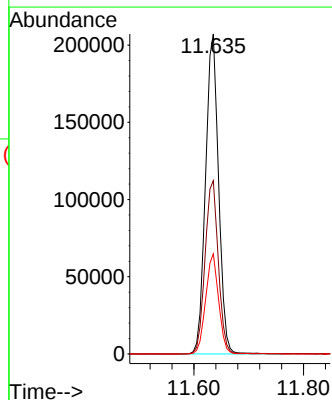
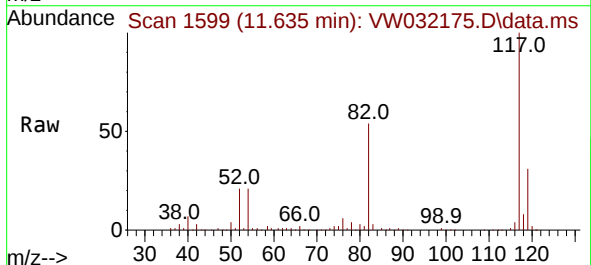
Instrument :
MSVOA_W
ClientSampleId :

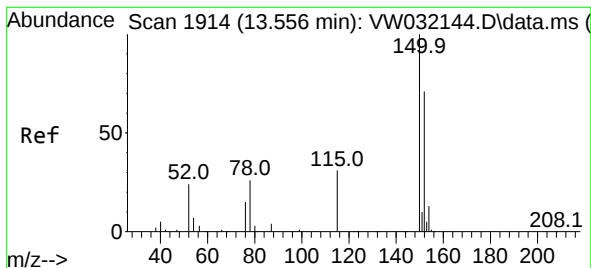
Tgt Ion: 95 Resp: 153894
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.6
176 69.9 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032175.D
Acq: 15 Sep 2025 15:49

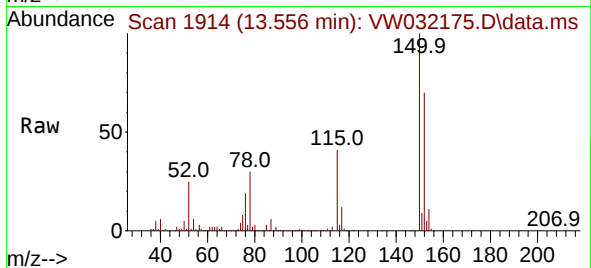
Tgt Ion: 117 Resp: 341277
Ion Ratio Lower Upper
117 100
82 54.1 42.7 64.1
119 31.3 25.2 37.8



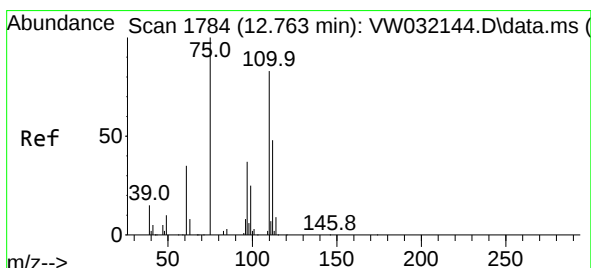
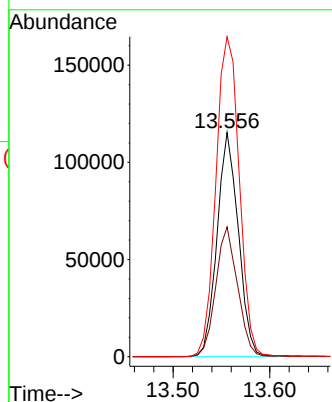
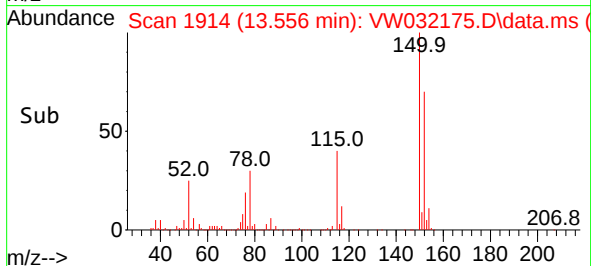


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032175.D
 Acq: 15 Sep 2025 15:49

Instrument :
 MSVOA_W
 ClientSampleId :

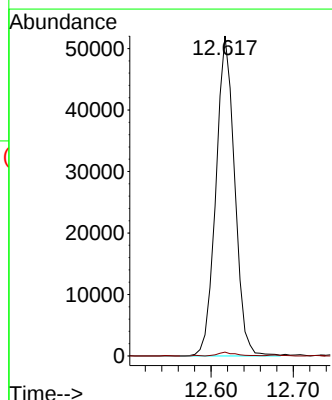
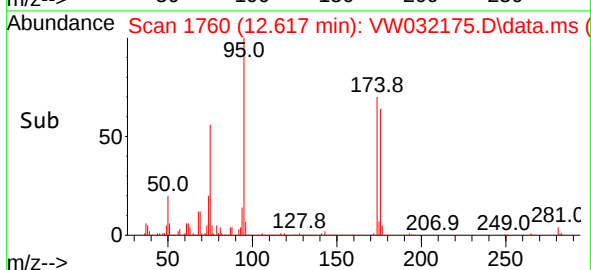
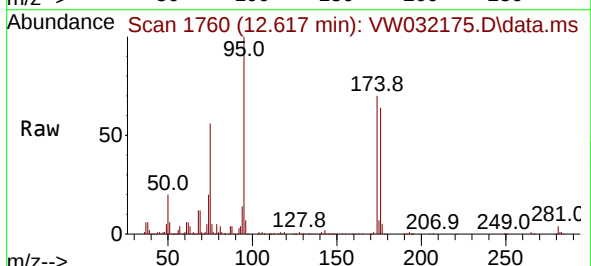


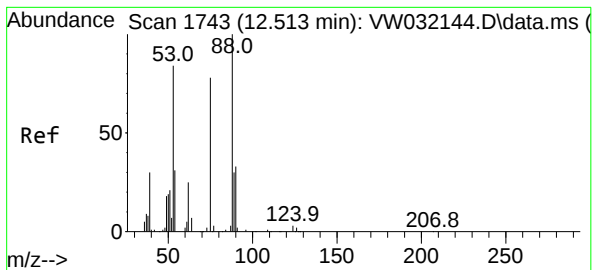
Tgt Ion:152 Resp: 176389
 Ion Ratio Lower Upper
 152 100
 115 59.1 31.8 95.4
 150 156.5 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 37.385 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032175.D
 Acq: 15 Sep 2025 15:49

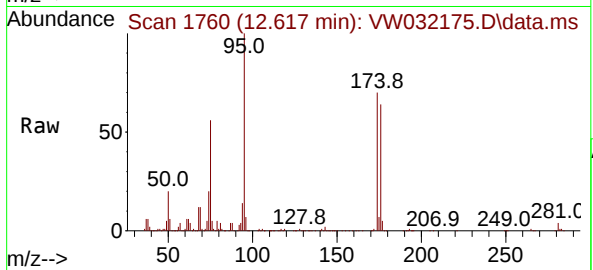
Tgt Ion: 75 Resp: 82614
 Ion Ratio Lower Upper
 75 100
 77 1.1 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 100.658 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032175.D
 Acq: 15 Sep 2025 15:49

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.5	91.0	136.6#
89	0.0	39.4	59.2#

