

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091725\
 Data File : VW032185.D
 Acq On : 17 Sep 2025 13:31
 Operator : SY/MD
 Sample : Q3117-01
 Misc : 4.34g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 18 04:34:18 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)

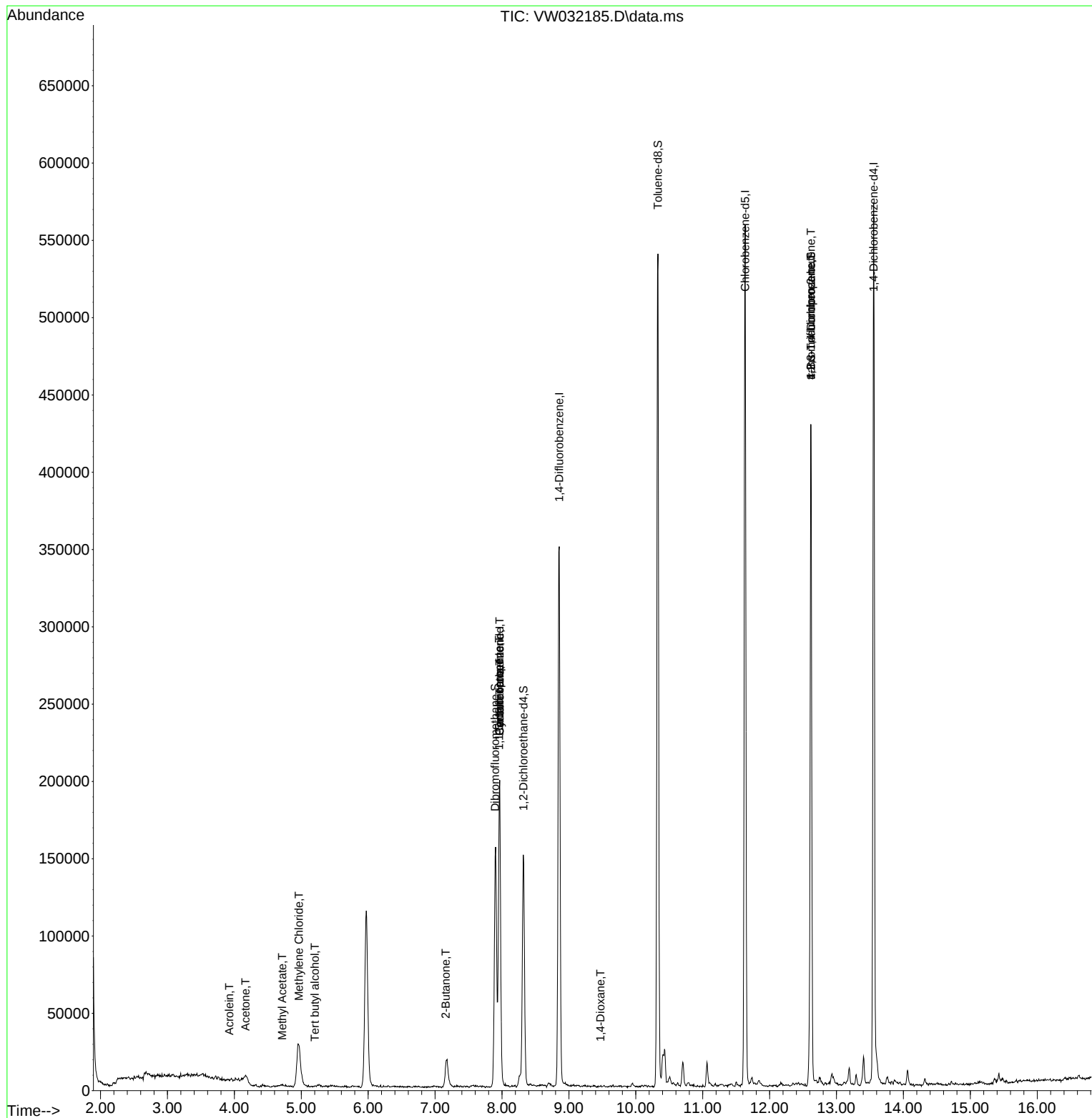
Internal Standards						
1) Pentafluorobenzene	7.965	168	131917	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	292082	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	291850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	139553	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	124878	66.193	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 132.380%	
35) Dibromofluoromethane	7.898	113	109756	53.560	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 107.120%	
50) Toluene-d8	10.330	98	350570	48.732	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 97.460%	
62) 4-Bromofluorobenzene	12.617	95	134128	50.422	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 100.840%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.203	59	1196	10.364	ug/l #	69
13) Acrolein	3.923	56	214	1.206	ug/l #	43
16) Acetone	4.167	43	4763	11.657	ug/l #	77
18) Methyl Acetate	4.716	43	2098	1.612	ug/l #	60
20) Methylene Chloride	4.966	84	27483	13.364	ug/l	96
25) 2-Butanone	7.160	43	993	1.715	ug/l #	88
31) Cyclohexane	7.965	56	3963	1.711	ug/l #	31
36) 1,1-Dichloropropene	7.959	75	12458	4.689	ug/l #	52
38) Carbon Tetrachloride	7.965	117	15841	5.562	ug/l #	18
49) 1,4-Dioxane	9.471	88	19	1.132	ug/l #	41
76) 1,2,3-Trichloropropane	12.617	75	75623	43.255	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	75623	116.462	ug/l #	5

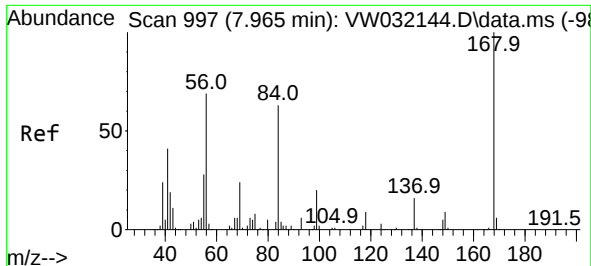
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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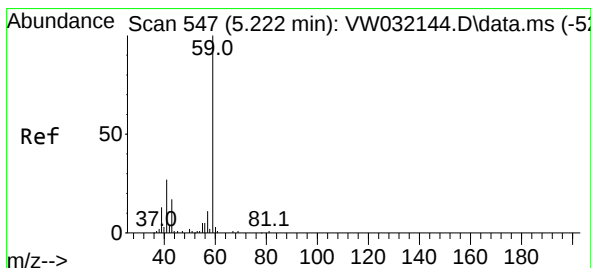
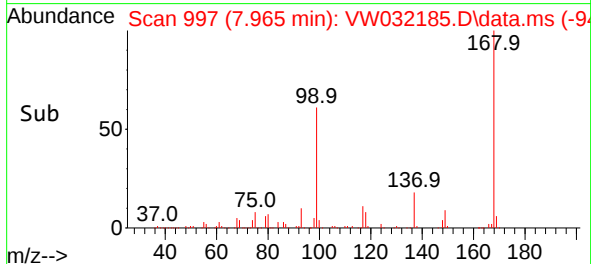
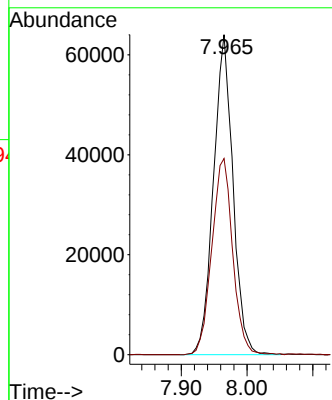
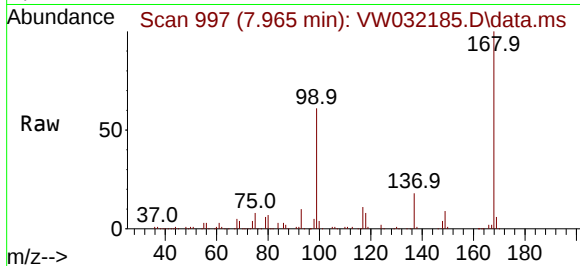




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. -0.000 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

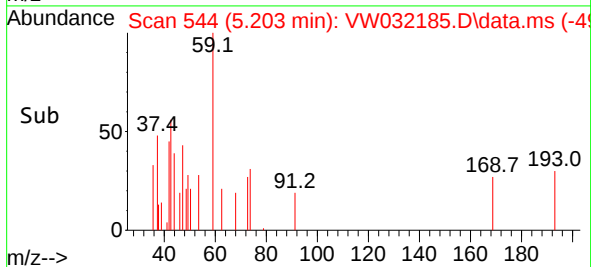
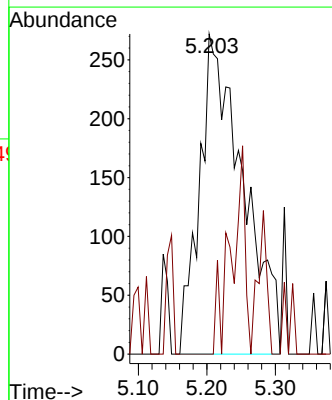
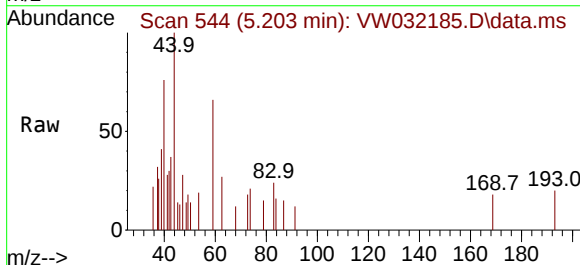
Instrument :
MSVOA_W
ClientSampleId :

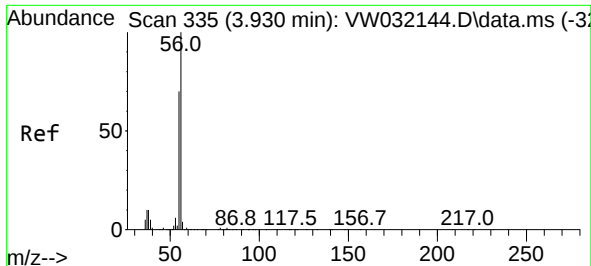
Tgt Ion:168 Resp: 131917
Ion Ratio Lower Upper
168 100
99 61.3 49.3 73.9



#11
Tert butyl alcohol
Concen: 10.364 ug/l
RT: 5.203 min Scan# 544
Delta R.T. -0.019 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

Tgt Ion: 59 Resp: 1196
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#

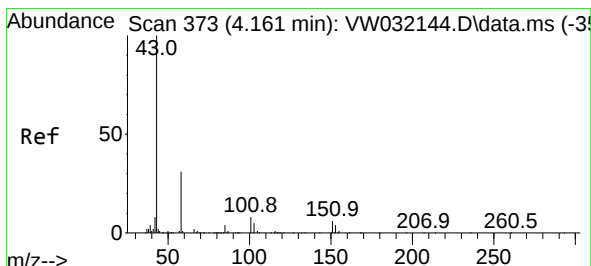
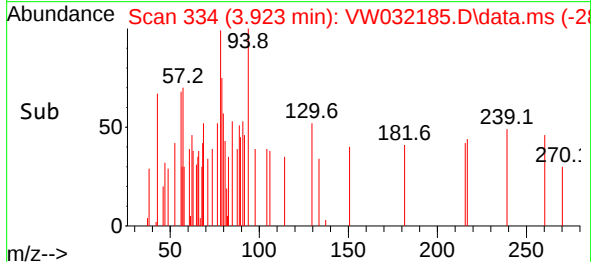
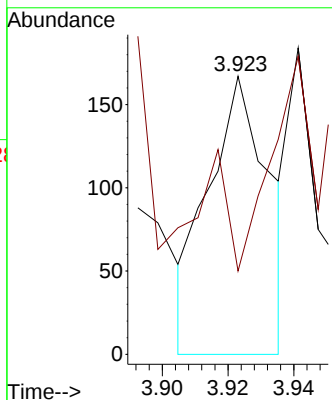
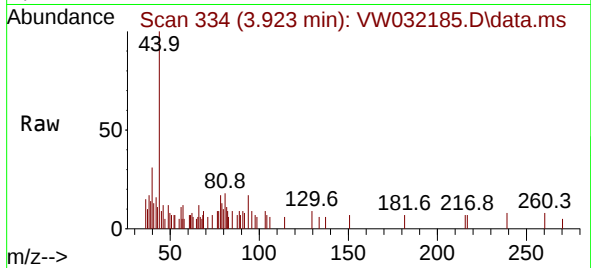




#13
Acrolein
Concen: 1.206 ug/l
RT: 3.923 min Scan# 31
Delta R.T. -0.007 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

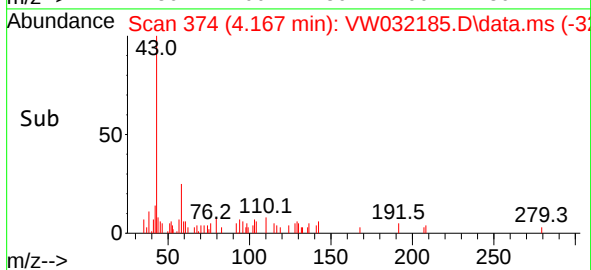
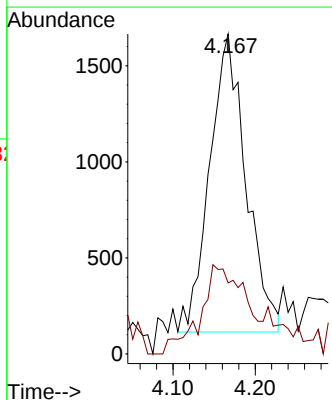
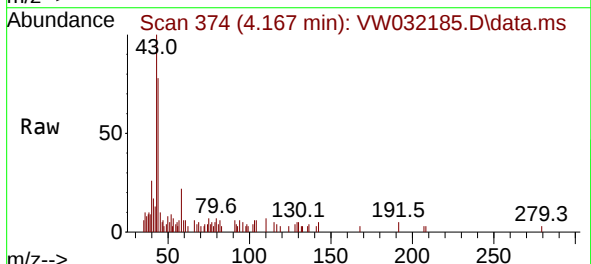
Instrument :
MSVOA_W
ClientSampleId :

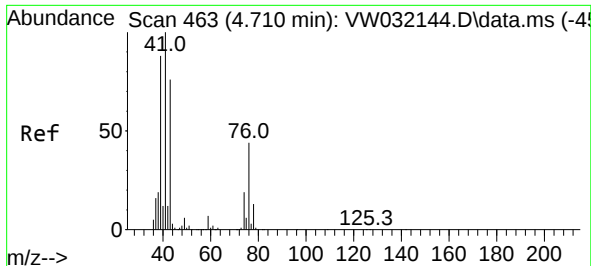
Tgt Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 23.8 56.4 84.6#



#16
Acetone
Concen: 11.657 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

Tgt Ion: 43 Resp: 4763
Ion Ratio Lower Upper
43 100
58 18.9 25.3 37.9#

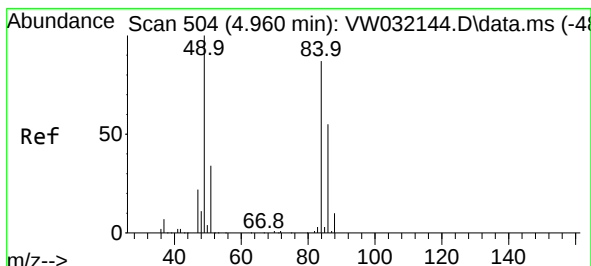
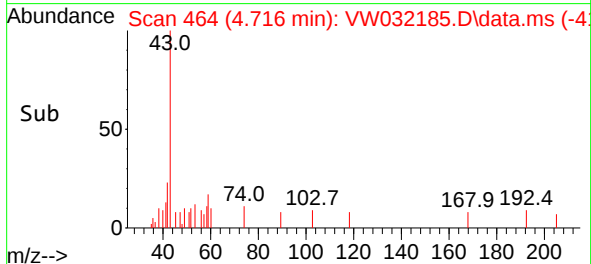
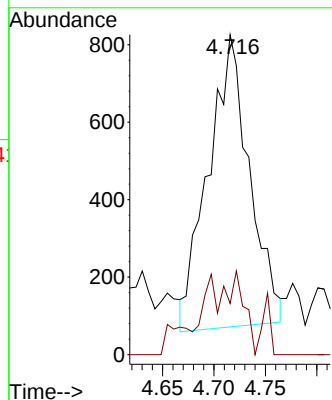
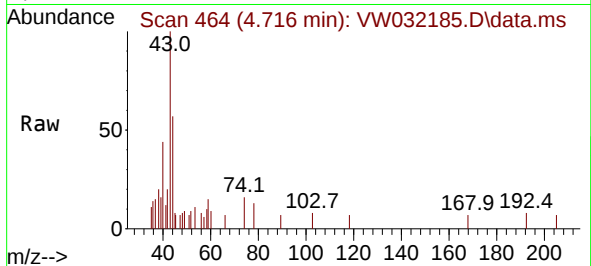




#18
Methyl Acetate
Concen: 1.612 ug/l
RT: 4.716 min Scan# 4
Delta R.T. 0.006 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

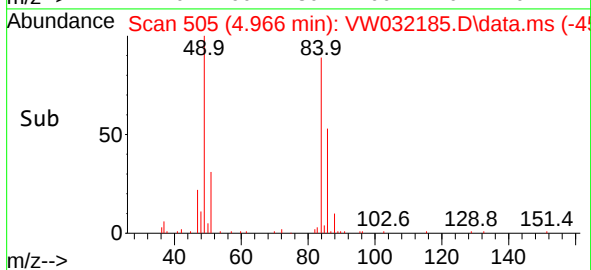
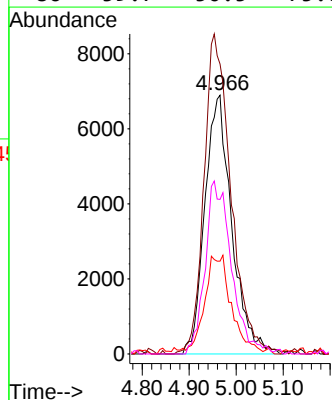
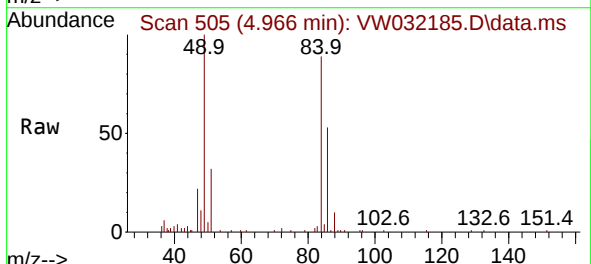
Instrument :
MSVOA_W
ClientSampleId :

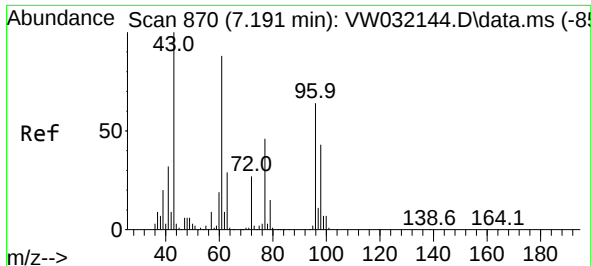
Tgt Ion: 43 Resp: 2098
Ion Ratio Lower Upper
43 100
74 5.4 20.2 30.4#



#20
Methylene Chloride
Concen: 13.364 ug/l
RT: 4.966 min Scan# 505
Delta R.T. 0.006 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

Tgt Ion: 84 Resp: 27483
Ion Ratio Lower Upper
84 100
49 111.0 92.2 138.4
51 35.9 31.0 46.6
86 59.7 50.5 75.7

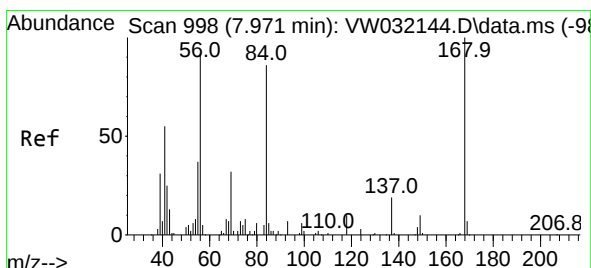
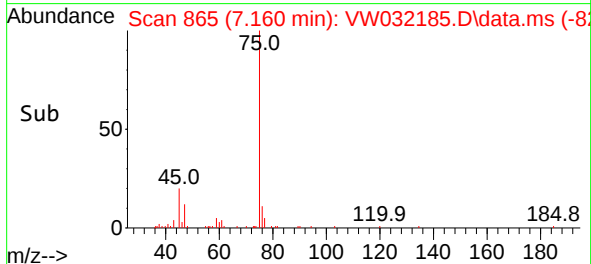
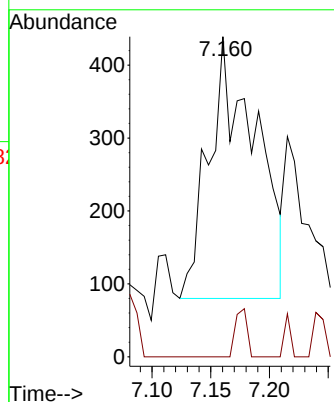
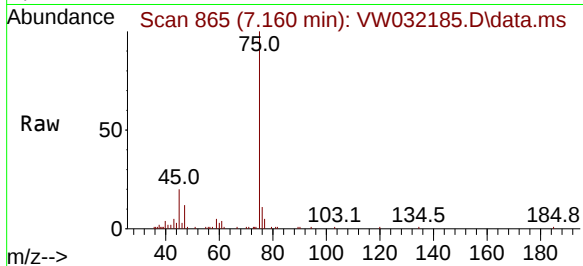




#25
2-Butanone
Concen: 1.715 ug/l
RT: 7.160 min Scan# 80
Delta R.T. -0.031 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

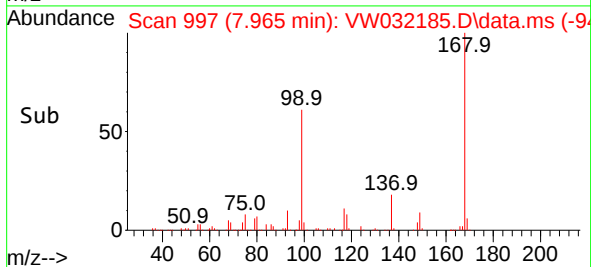
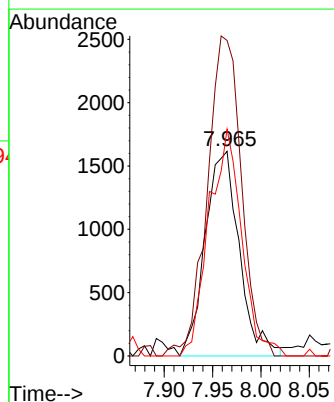
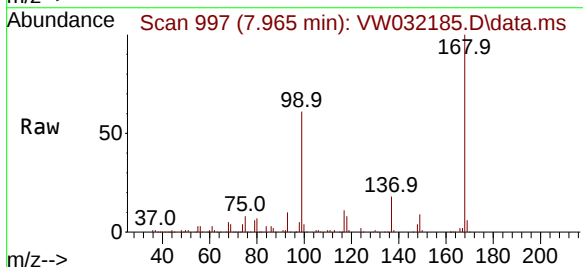
Instrument :
MSVOA_W
ClientSampleId :

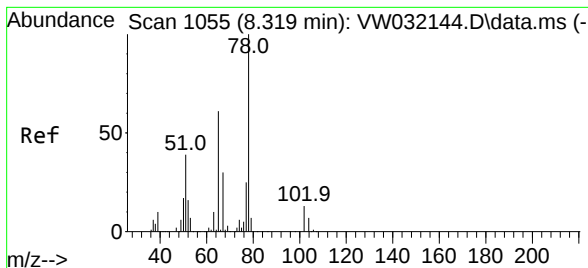
Tgt Ion: 43 Resp: 993
Ion Ratio Lower Upper
43 100
72 20.6 21.4 32.2#



#31
Cyclohexane
Concen: 1.711 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.007 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

Tgt Ion: 56 Resp: 3963
Ion Ratio Lower Upper
56 100
69 154.2 27.7 41.5#
84 110.8 74.6 112.0

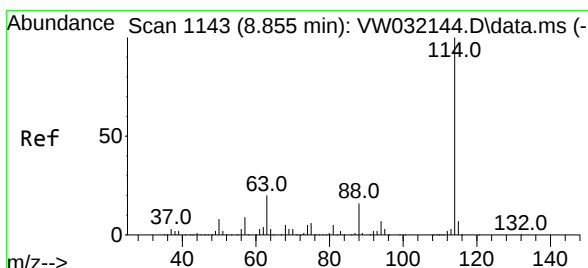
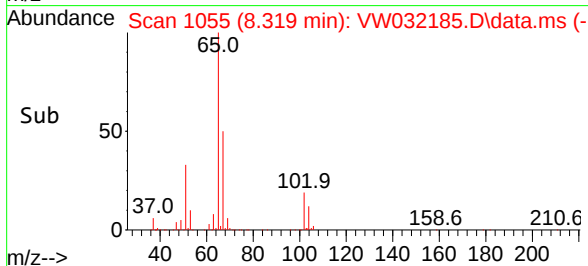
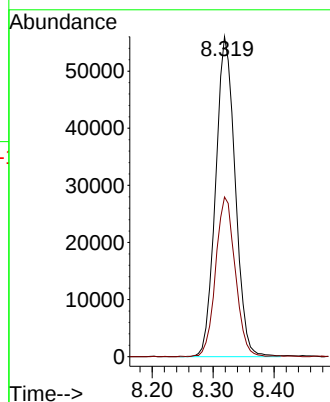
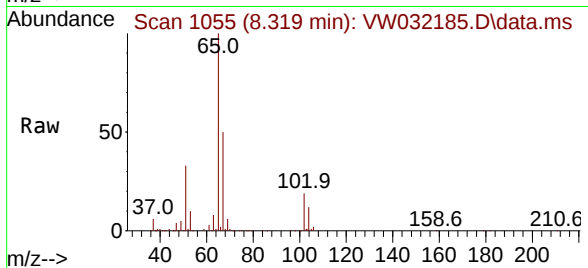




#33
 1,2-Dichloroethane-d4
 Concen: 66.193 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032185.D
 Acq: 17 Sep 2025 13:31

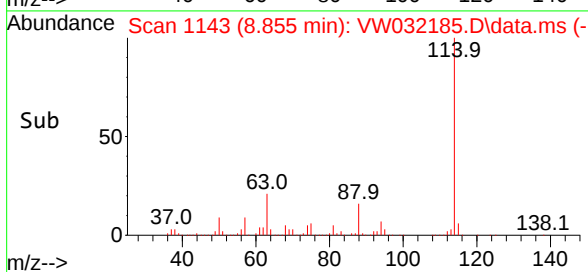
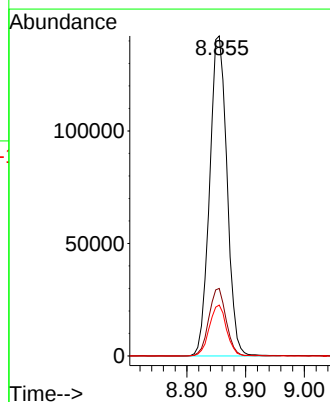
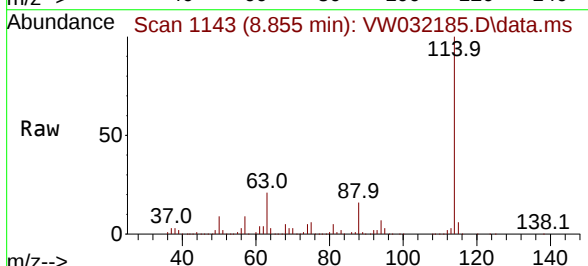
Instrument :
 MSVOA_W
 ClientSampleId :

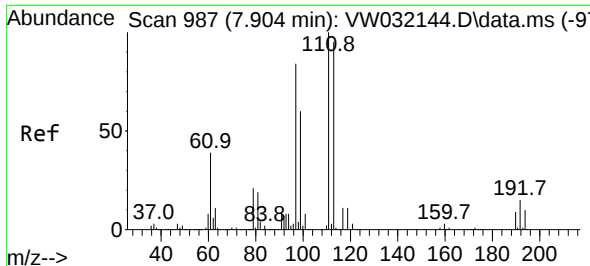
Tgt Ion: 65 Resp: 124878
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032185.D
 Acq: 17 Sep 2025 13:31

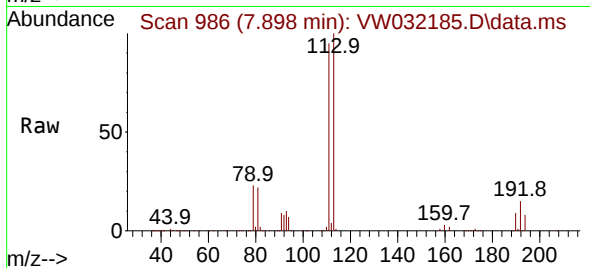
Tgt Ion: 114 Resp: 292082
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 40.4
 88 15.9 0.0 32.0





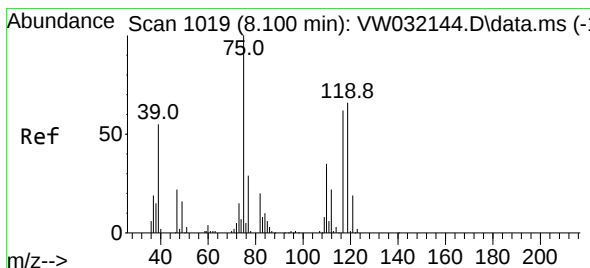
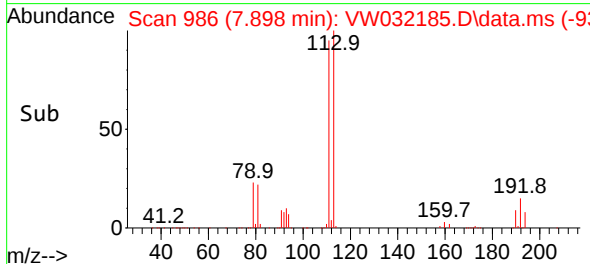
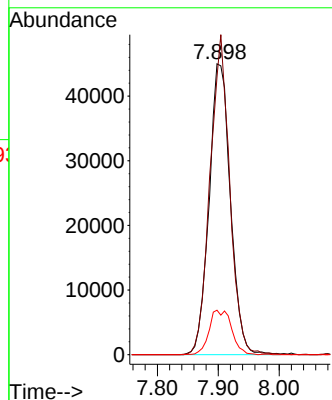
#35
 Dibromofluoromethane
 Concen: 53.560 ug/l
 RT: 7.898 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VW032185.D
 Acq: 17 Sep 2025 13:31

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion:113 Resp: 109756

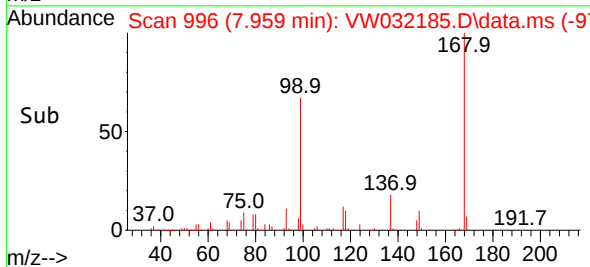
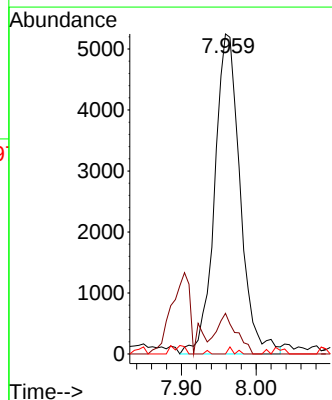
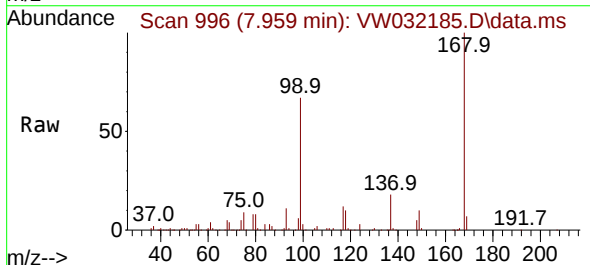
Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.9	125.9
192	16.1	14.6	21.8

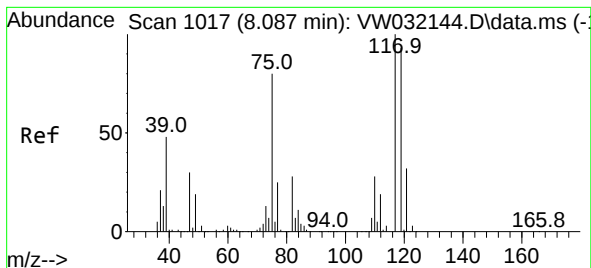


#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.141 min
 Lab File: VW032185.D
 Acq: 17 Sep 2025 13:31

Tgt Ion: 75 Resp: 12458

Ion	Ratio	Lower	Upper
75	100		
110	9.9	17.5	52.5#
77	0.5	24.1	36.1#





#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

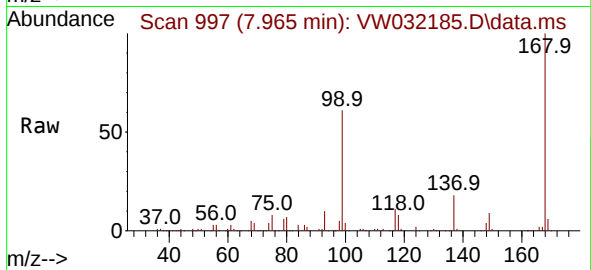
Lab File: VW032185.D

Acq: 17 Sep 2025 13:31

Instrument :

MSVOA_W

ClientSampleId :



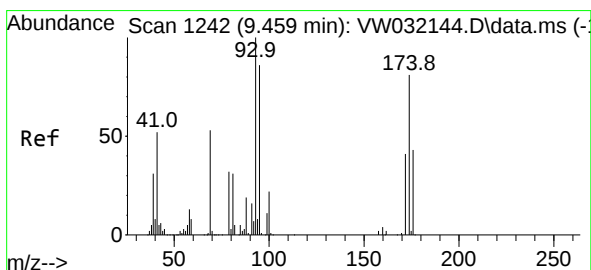
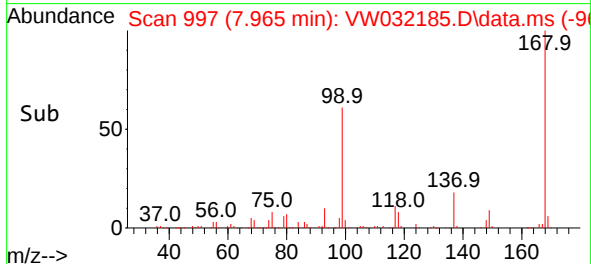
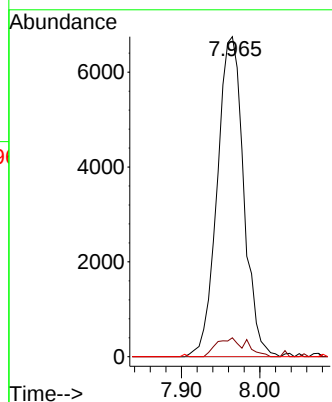
Tgt Ion: 117 Resp: 15841

Ion Ratio Lower Upper

117 100

119 5.9 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 1.132 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.012 min

Lab File: VW032185.D

Acq: 17 Sep 2025 13:31

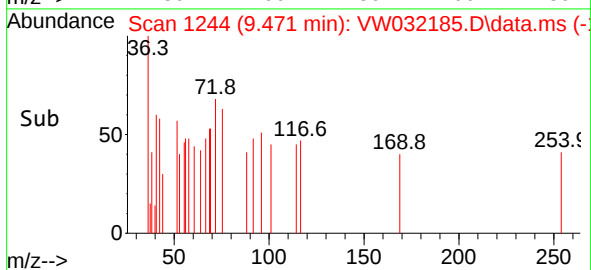
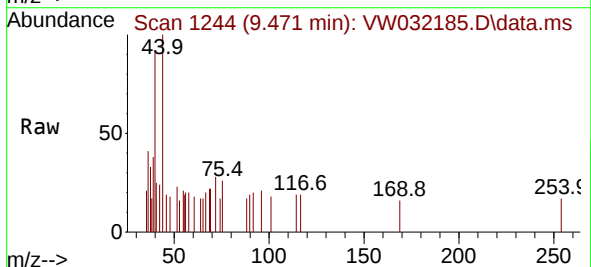
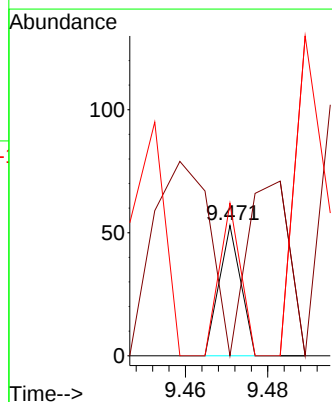
Tgt Ion: 88 Resp: 19

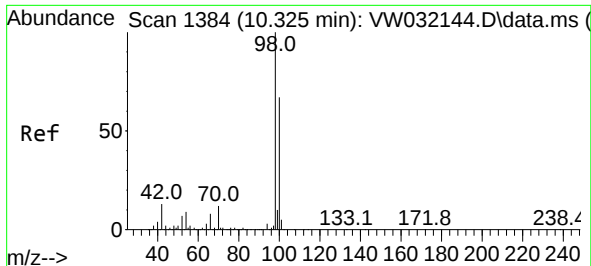
Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 121.1 55.4 83.0#

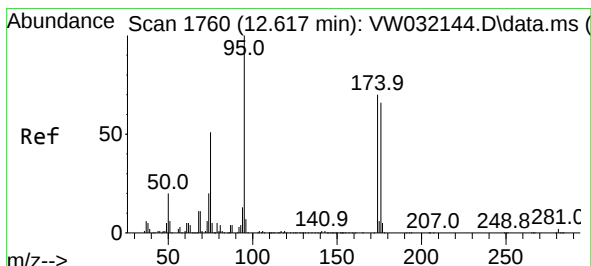
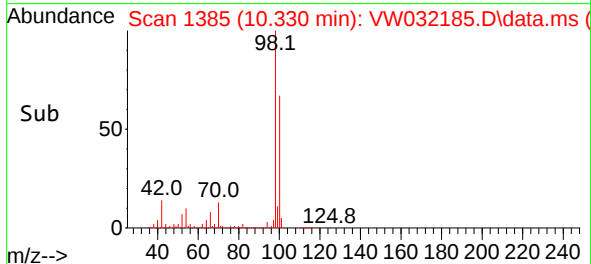
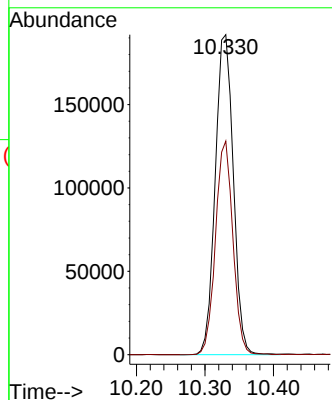
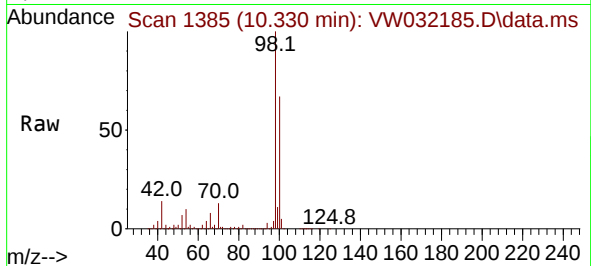




#50
Toluene-d8
Concen: 48.732 ug/l
RT: 10.330 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

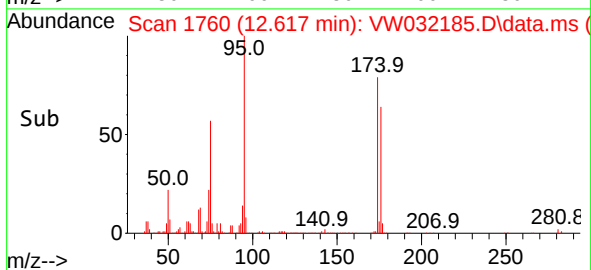
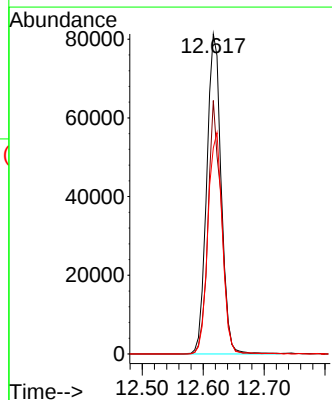
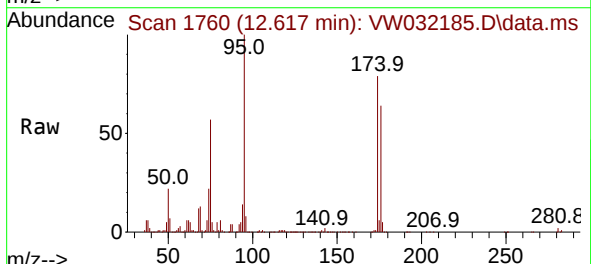
Instrument :
MSVOA_W
ClientSampleId :

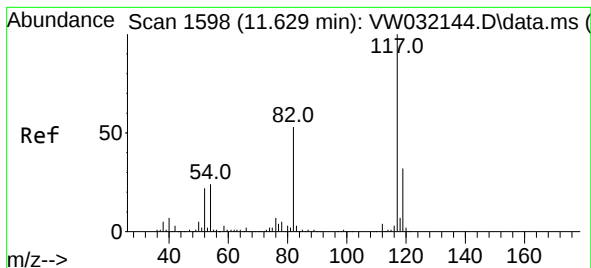
Tgt Ion: 98 Resp: 350570
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 50.422 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

Tgt Ion: 95 Resp: 134128
Ion Ratio Lower Upper
95 100
174 72.6 0.0 145.6
176 69.1 0.0 140.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.635 min Scan# 11

Delta R.T. 0.006 min

Lab File: VW032185.D

Acq: 17 Sep 2025 13:31

Instrument :

MSVOA_W

ClientSampleId :

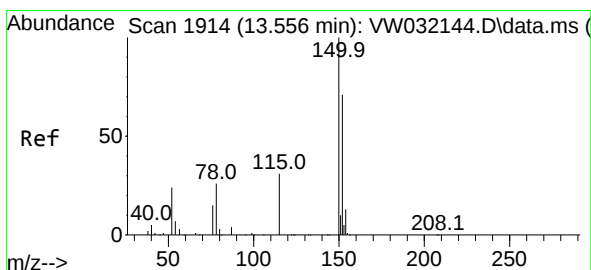
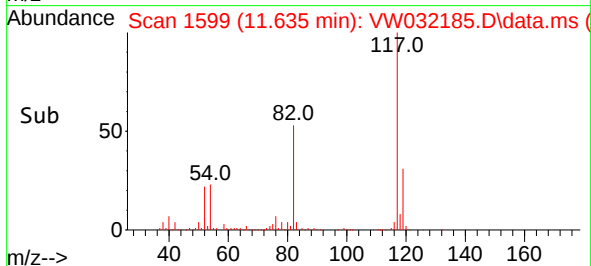
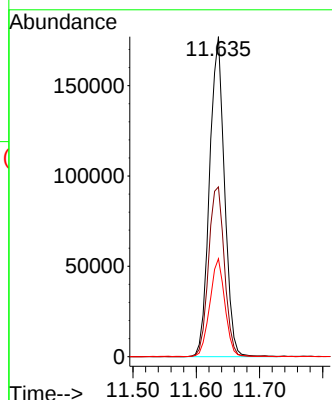
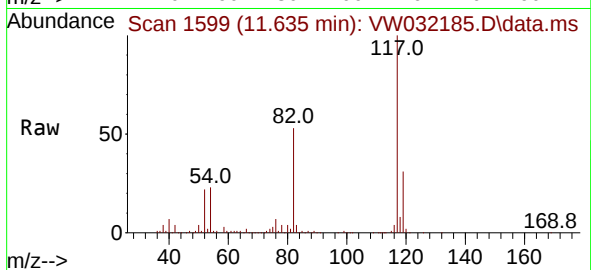
Tgt Ion:117 Resp: 291850

Ion Ratio Lower Upper

117 100

82 53.0 42.7 64.1

119 30.5 25.2 37.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW032185.D

Acq: 17 Sep 2025 13:31

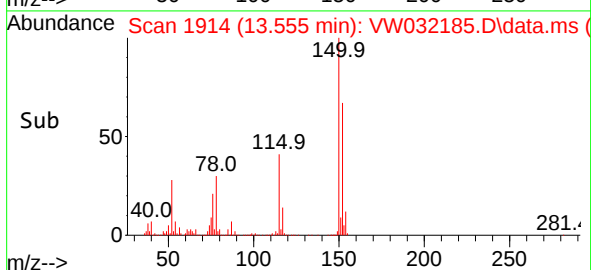
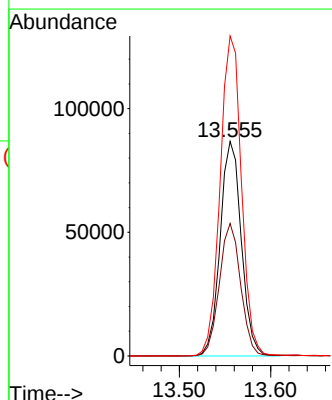
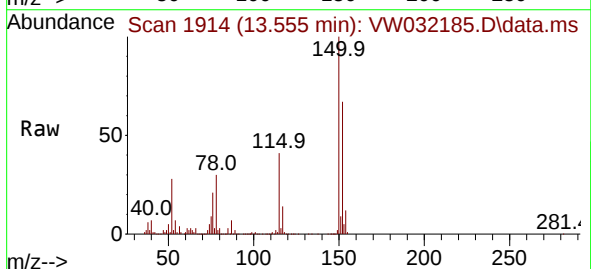
Tgt Ion:152 Resp: 139553

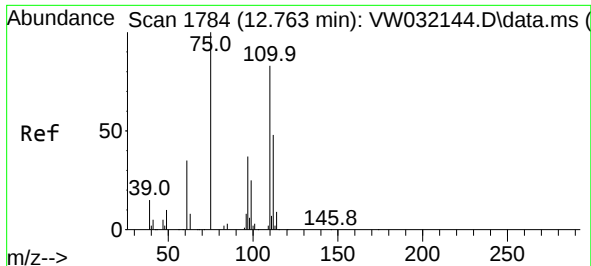
Ion Ratio Lower Upper

152 100

115 62.5 31.8 95.4

150 151.1 0.0 343.0

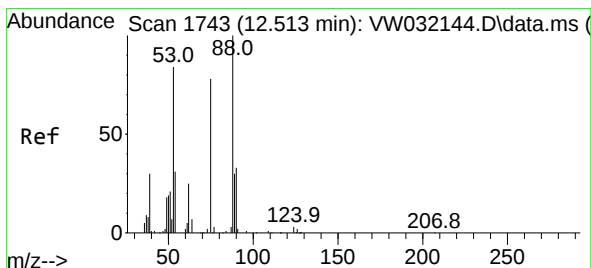
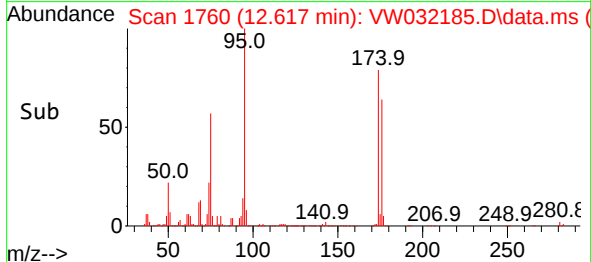
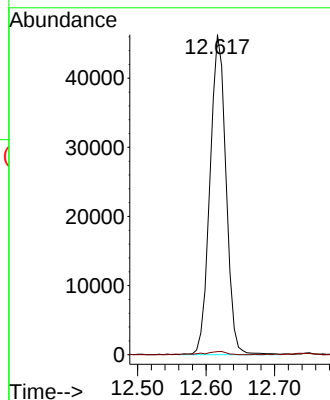
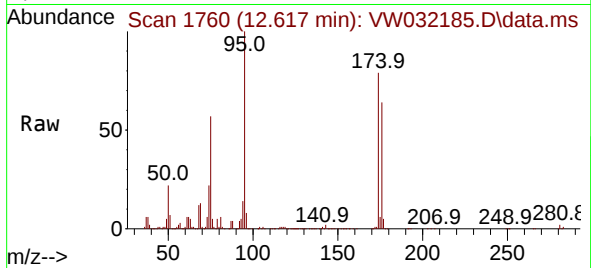




#76
1,2,3-Trichloropropane
Concen: 43.255 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.147 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 75623
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 116.462 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.103 min
Lab File: VW032185.D
Acq: 17 Sep 2025 13:31

Tgt Ion: 75 Resp: 75623
Ion Ratio Lower Upper
75 100
53 0.0 91.0 136.6#
89 0.0 39.4 59.2#

