

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
 Data File : VW032220.D
 Acq On : 19 Sep 2025 16:55
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 19 23:12:57 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)

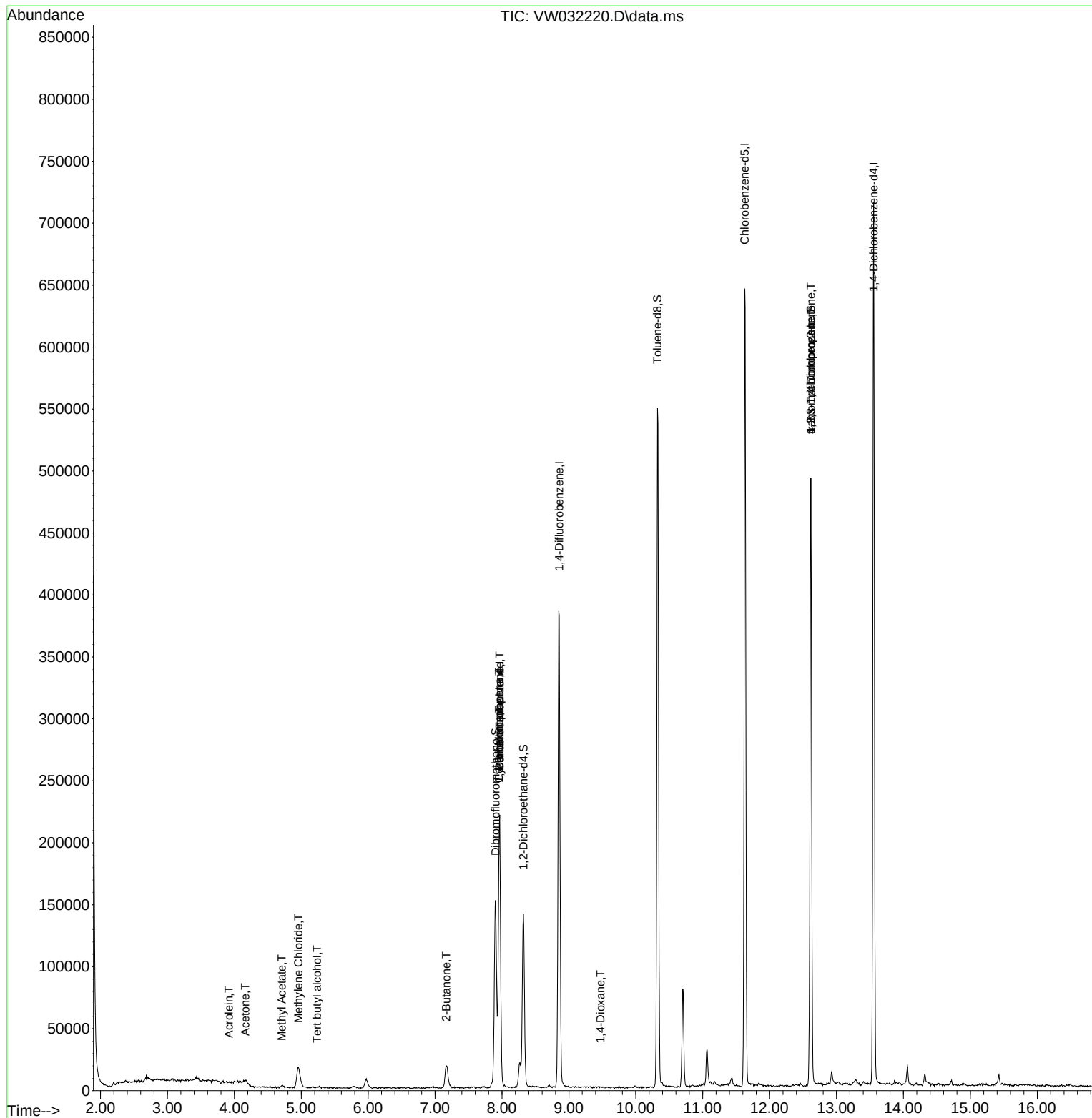
Internal Standards						
1) Pentafluorobenzene	7.965	168	148553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	318308	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	334420	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	176332	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	115689	54.455	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 108.900%		
35) Dibromofluoromethane	7.904	113	108619	48.638	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 97.280%		
50) Toluene-d8	10.325	98	357609	45.615	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.220%		
62) 4-Bromofluorobenzene	12.617	95	153844	53.068	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 106.140%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	277	2.132	ug/l #	9
13) Acrolein	3.917	56	209	1.046	ug/l #	70
16) Acetone	4.161	43	2320	5.042	ug/l #	60
18) Methyl Acetate	4.710	43	4681	3.193	ug/l	96
20) Methylene Chloride	4.960	84	14284	4.062	ug/l	97
25) 2-Butanone	7.167	43	1407	2.158	ug/l #	48
31) Cyclohexane	7.959	56	4520	1.733	ug/l #	38
36) 1,1-Dichloropropene	7.959	75	13673	4.722	ug/l #	52
38) Carbon Tetrachloride	7.965	117	18022	5.806	ug/l #	18
49) 1,4-Dioxane	9.471	88	19	1.039	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	86625	39.213	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	86625	105.580	ug/l #	5

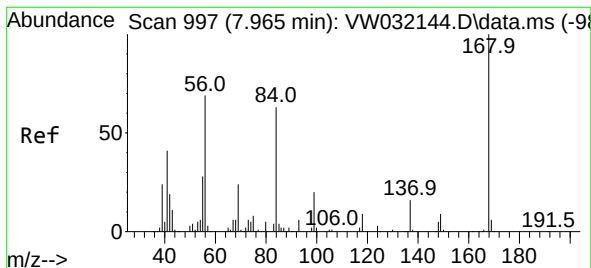
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091925\
Data File : VW032220.D
Acq On : 19 Sep 2025 16:55
Operator : SY/MD
Sample : VIBLK
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :

Quant Time: Sep 19 23:12:57 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

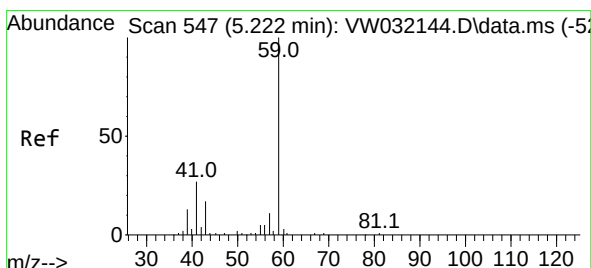
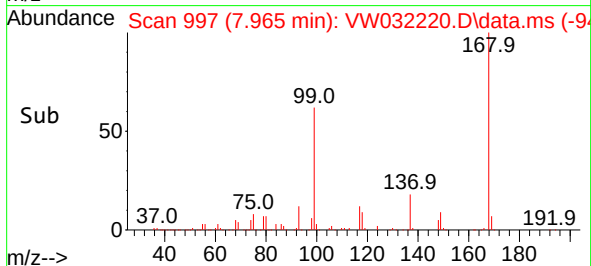
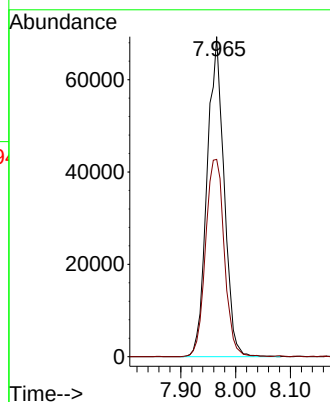
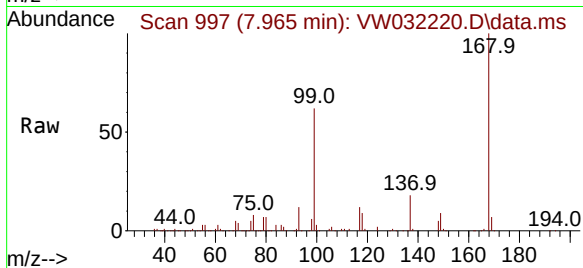




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

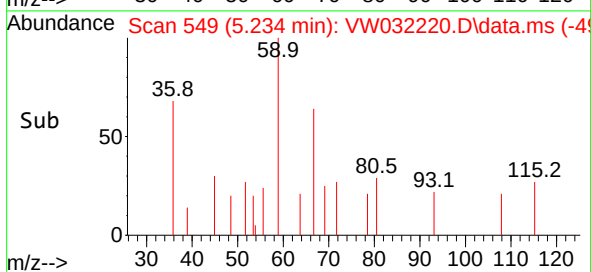
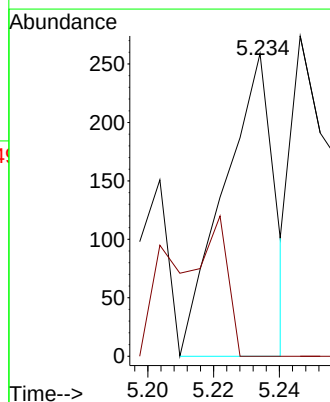
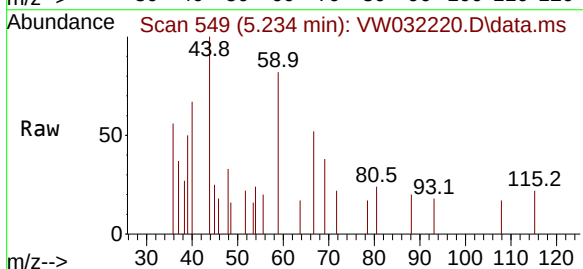
Instrument :
MSVOA_W
ClientSampleId :

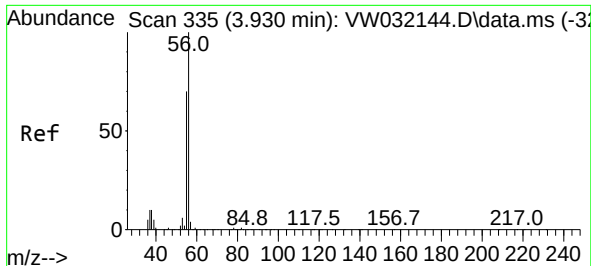
Tgt Ion:168 Resp: 148553
Ion Ratio Lower Upper
168 100
99 61.6 49.3 73.9



#11
Tert butyl alcohol
Concen: 2.132 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.012 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

Tgt Ion: 59 Resp: 277
Ion Ratio Lower Upper
59 100
57 47.7 9.8 14.6#

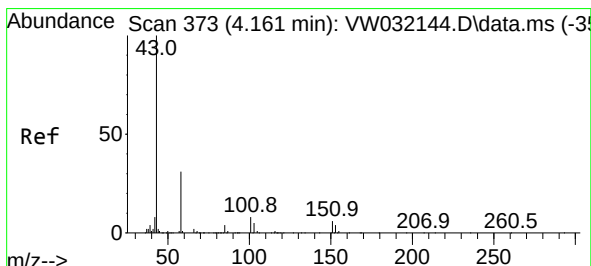
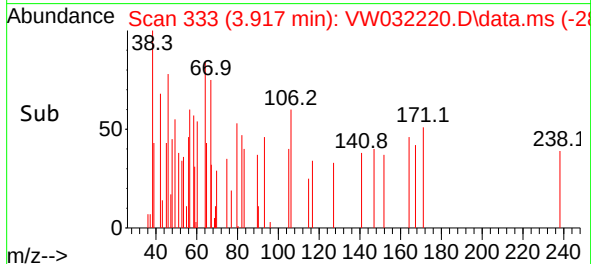
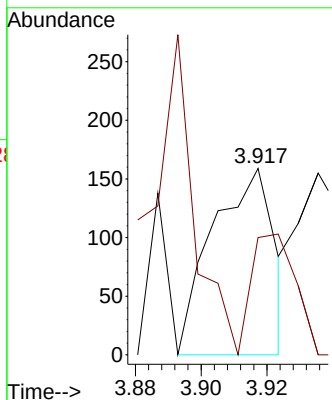
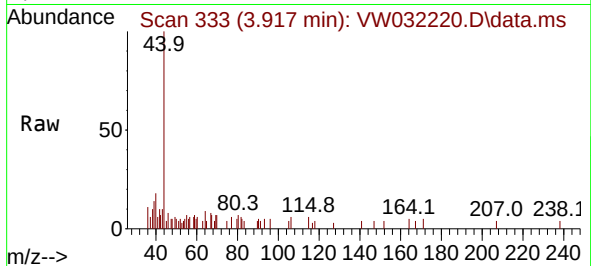




#13
Acrolein
Concen: 1.046 ug/l
RT: 3.917 min Scan# 311
Delta R.T. -0.012 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

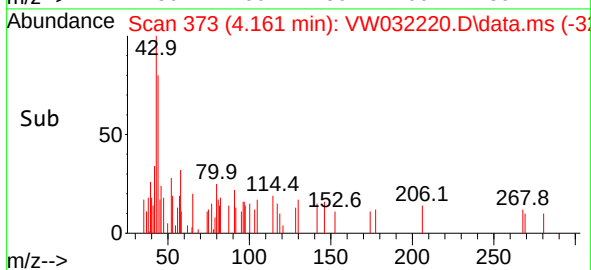
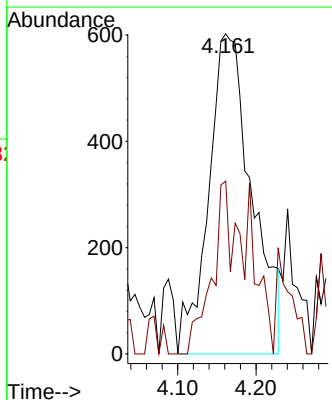
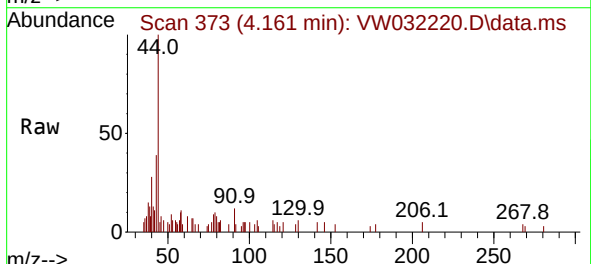
Instrument :
MSVOA_W
ClientSampleId :

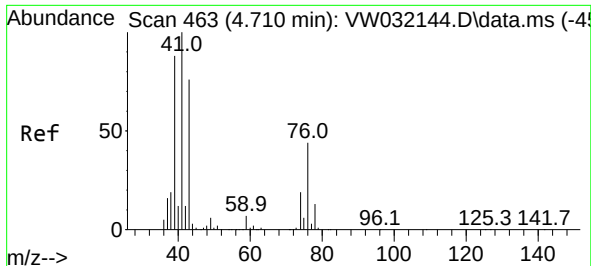
Tgt Ion: 56 Resp: 209
Ion Ratio Lower Upper
56 100
55 45.9 56.4 84.6#



#16
Acetone
Concen: 5.042 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

Tgt Ion: 43 Resp: 2320
Ion Ratio Lower Upper
43 100
58 54.0 25.3 37.9#

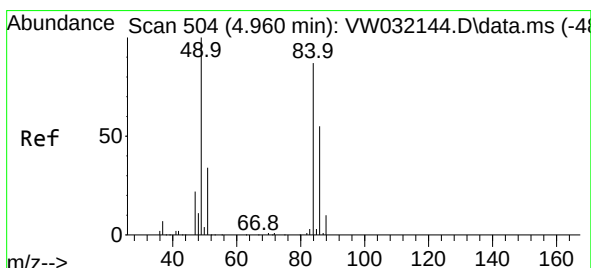
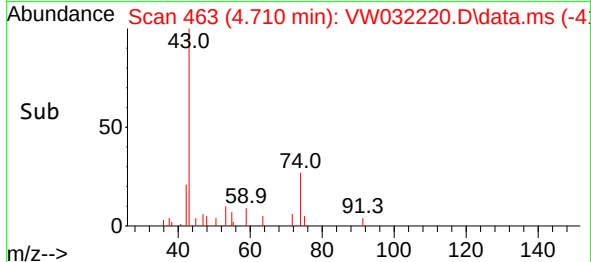
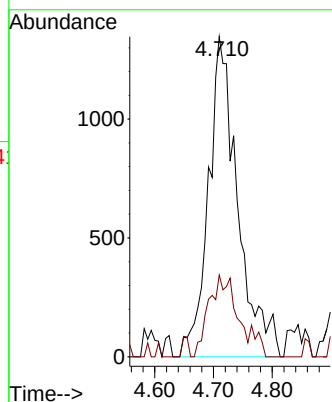
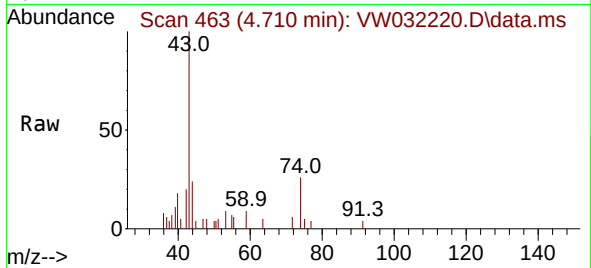




#18
Methyl Acetate
Concen: 3.193 ug/l
RT: 4.710 min Scan# 463
Delta R.T. -0.000 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

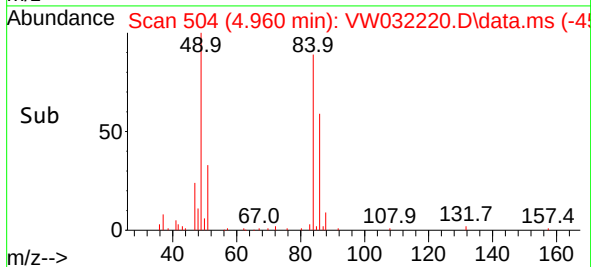
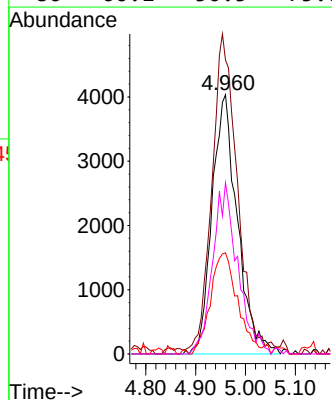
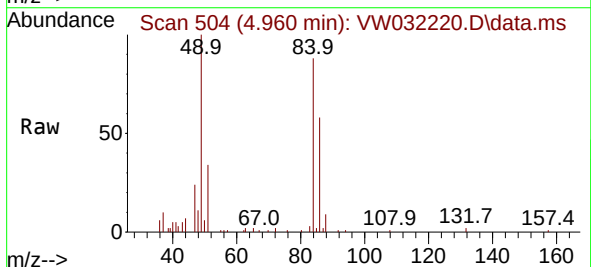
Instrument :
MSVOA_W
ClientSampleId :

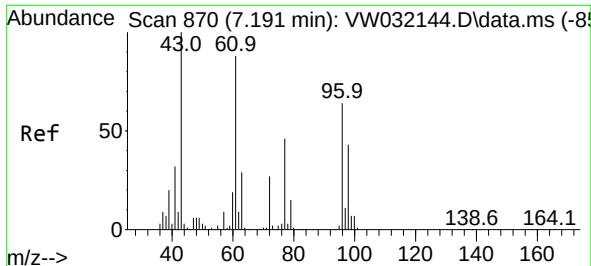
Tgt Ion: 43 Resp: 4681
Ion Ratio Lower Upper
43 100
74 23.4 20.2 30.4



#20
Methylene Chloride
Concen: 4.062 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

Tgt Ion: 84 Resp: 14284
Ion Ratio Lower Upper
84 100
49 111.4 92.2 138.4
51 39.0 31.0 46.6
86 66.1 50.5 75.7

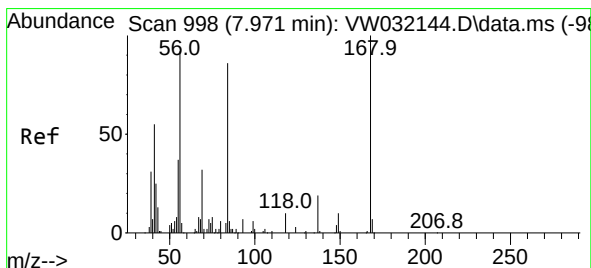
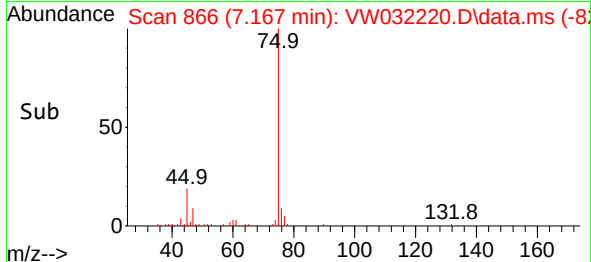
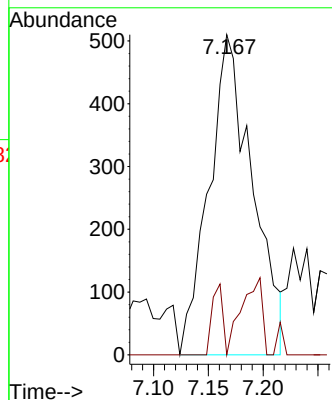
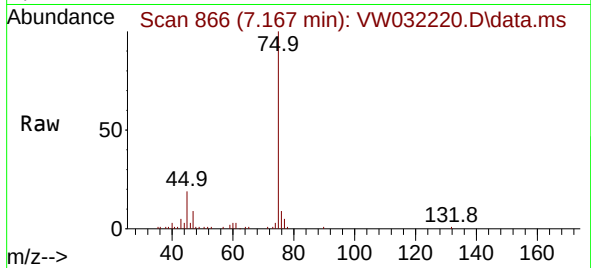




#25
2-Butanone
Concen: 2.158 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.024 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

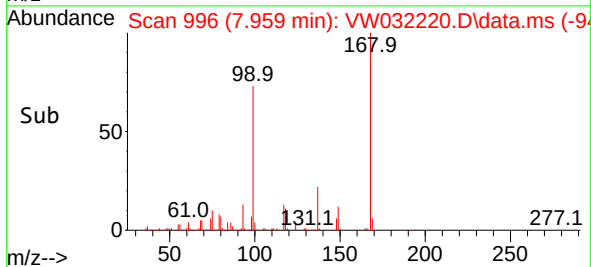
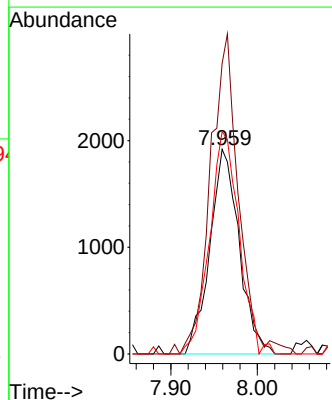
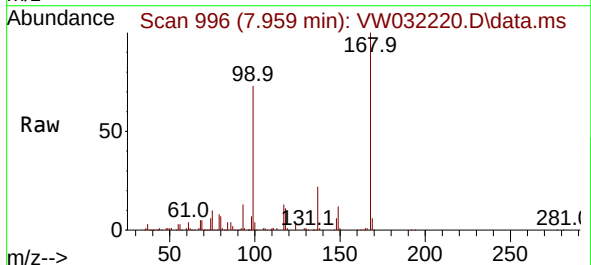
Instrument :
MSVOA_W
ClientSampleId :

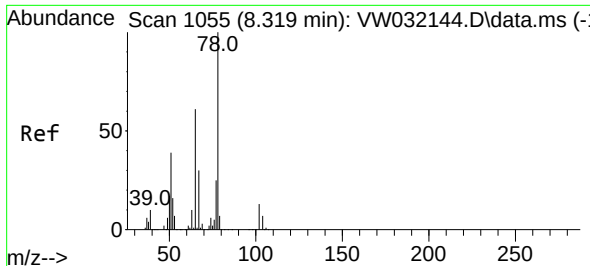
Tgt Ion: 43 Resp: 1407
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.2#



#31
Cyclohexane
Concen: 1.733 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

Tgt Ion: 56 Resp: 4520
Ion Ratio Lower Upper
56 100
69 142.0 27.7 41.5#
84 108.7 74.6 112.0

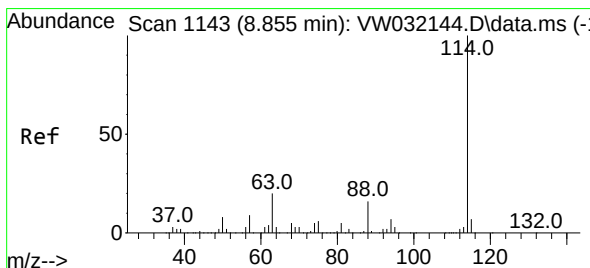
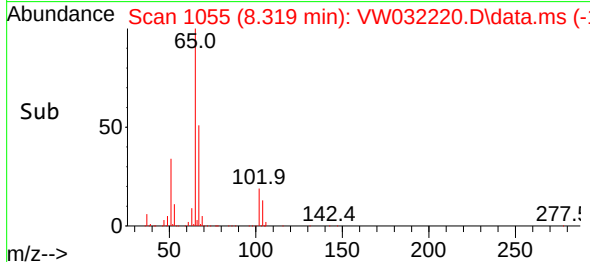
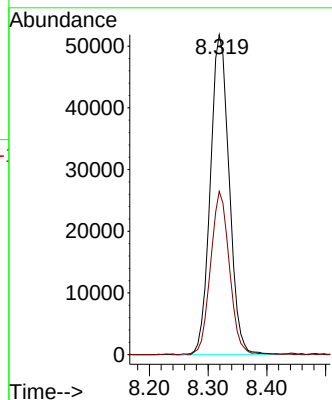
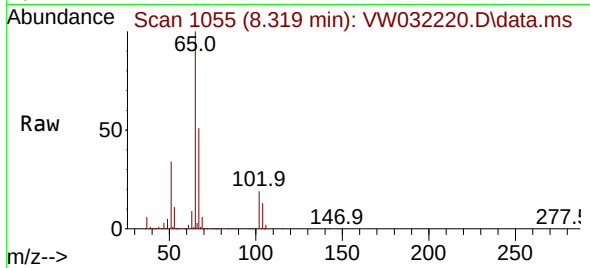




#33
 1,2-Dichloroethane-d4
 Concen: 54.455 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032220.D
 Acq: 19 Sep 2025 16:55

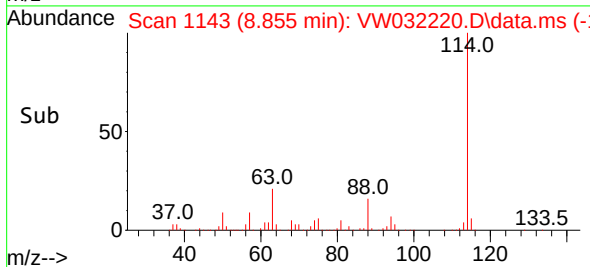
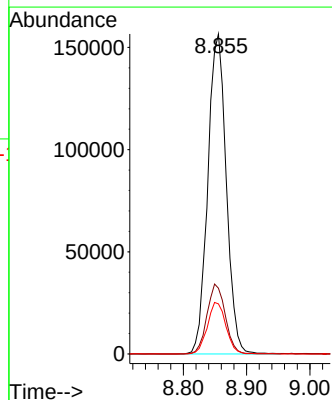
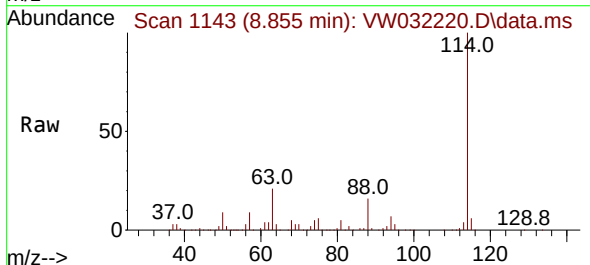
Instrument :
 MSVOA_W
 ClientSampleId :

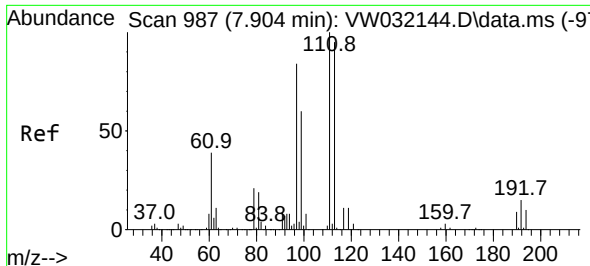
Tgt Ion: 65 Resp: 115689
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032220.D
 Acq: 19 Sep 2025 16:55

Tgt Ion: 114 Resp: 318308
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.4
 88 15.6 0.0 32.0

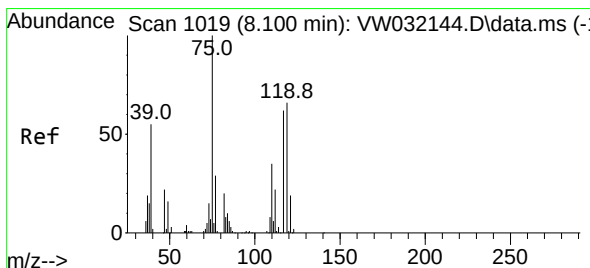
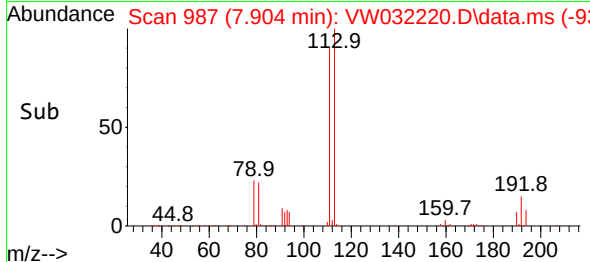
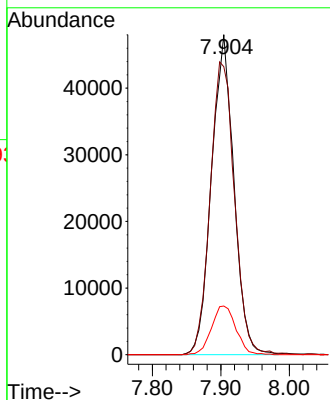
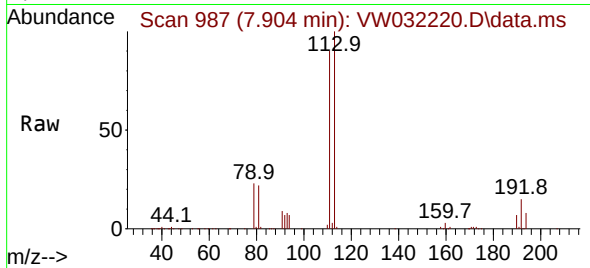




#35
 Dibromofluoromethane
 Concen: 48.638 ug/l
 RT: 7.904 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VW032220.D
 Acq: 19 Sep 2025 16:55

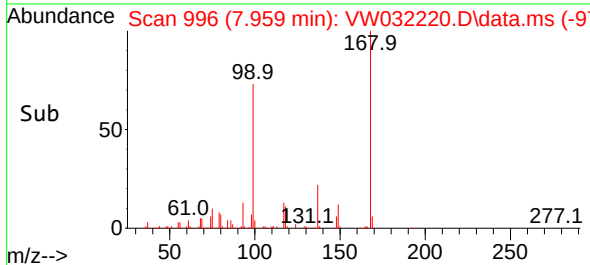
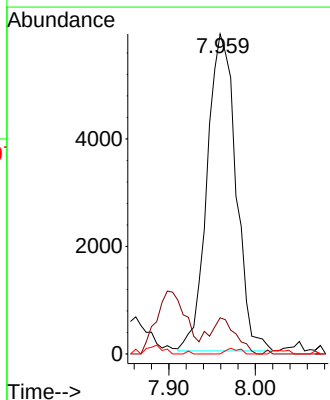
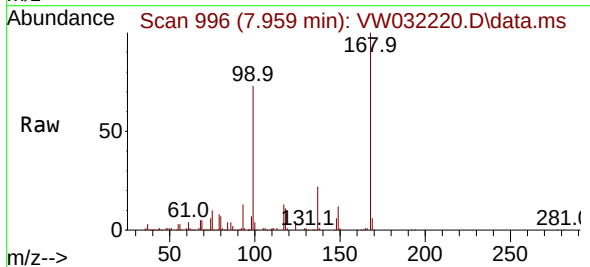
Instrument :
 MSVOA_W
 ClientSampleId :

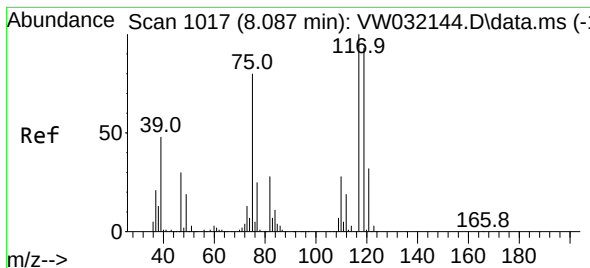
Tgt Ion:113 Resp: 108619
 Ion Ratio Lower Upper
 113 100
 111 99.8 83.9 125.9
 192 16.6 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.722 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032220.D
 Acq: 19 Sep 2025 16:55

Tgt Ion: 75 Resp: 13673
 Ion Ratio Lower Upper
 75 100
 110 10.3 17.5 52.5#
 77 0.9 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.806 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.122 min

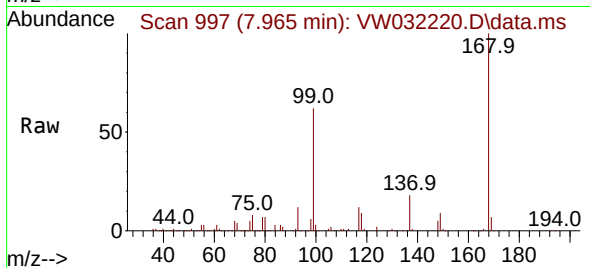
Lab File: VW032220.D

Acq: 19 Sep 2025 16:55

Instrument :

MSVOA_W

ClientSampleId :



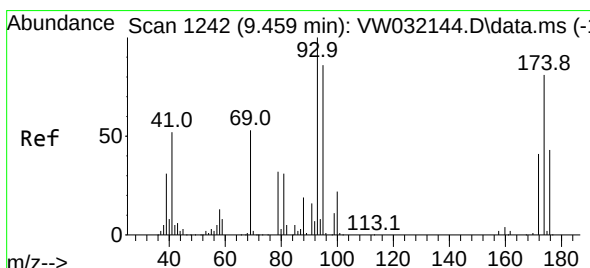
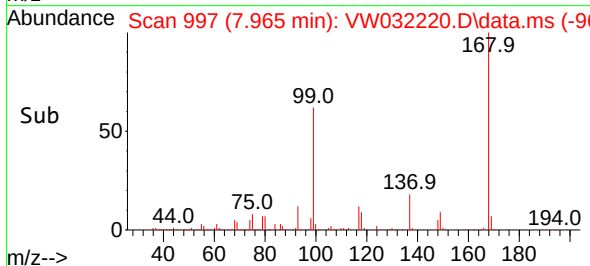
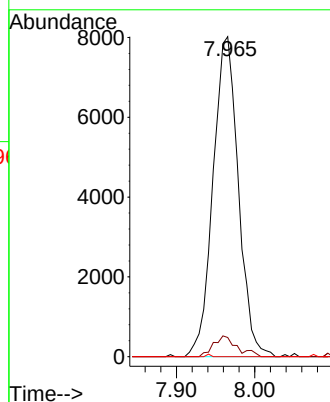
Tgt Ion: 117 Resp: 18022

Ion Ratio Lower Upper

117 100

119 6.0 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 1.039 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.012 min

Lab File: VW032220.D

Acq: 19 Sep 2025 16:55

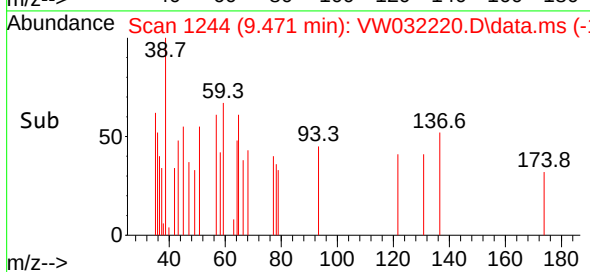
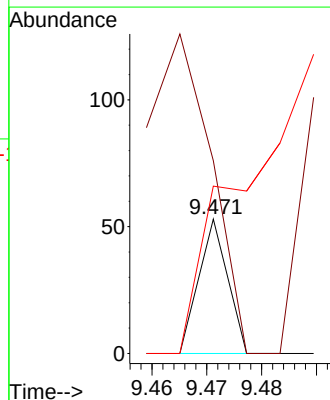
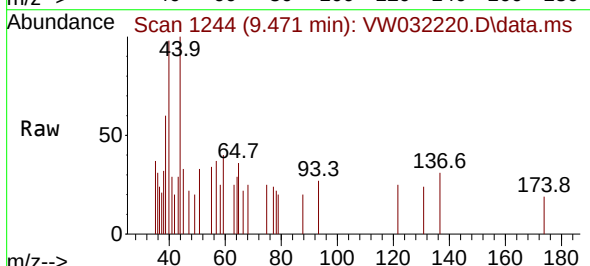
Tgt Ion: 88 Resp: 19

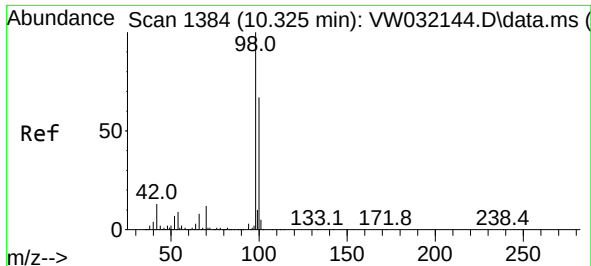
Ion Ratio Lower Upper

88 100

43 836.8 18.0 27.0#

58 0.0 55.4 83.0#

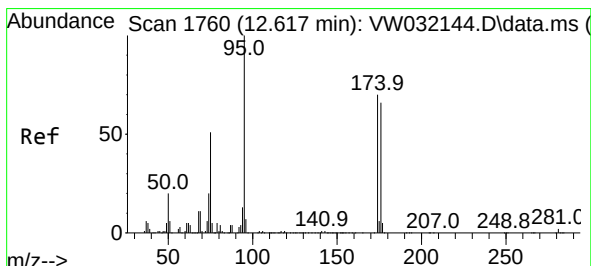
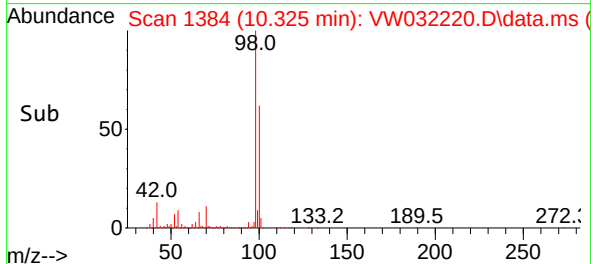
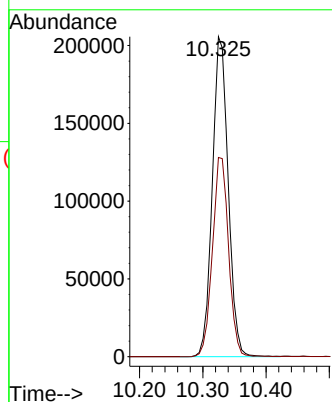
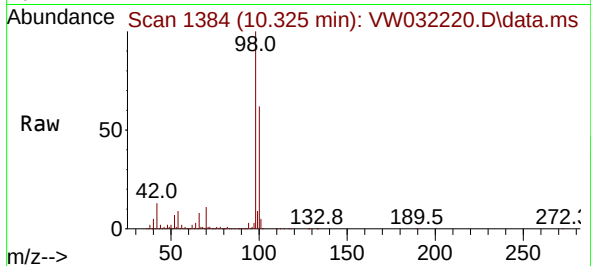




#50
Toluene-d8
Concen: 45.615 ug/l
RT: 10.325 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

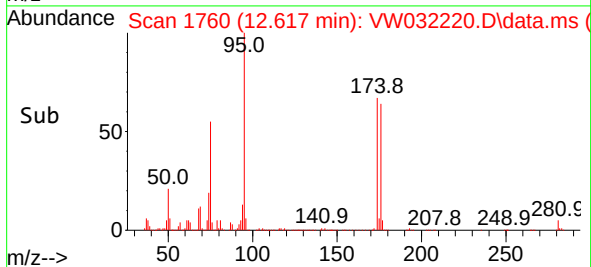
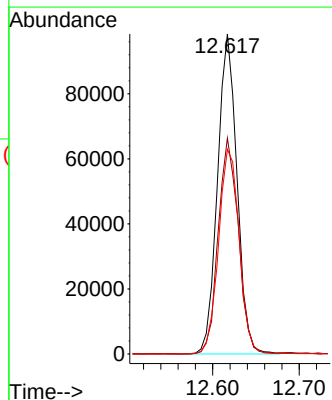
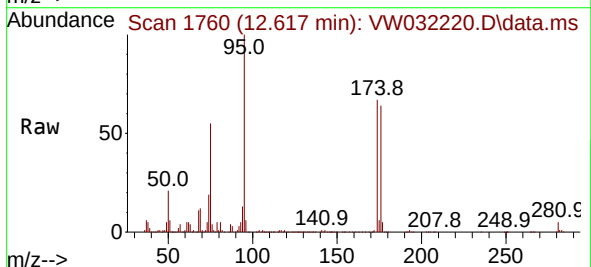
Instrument :
MSVOA_W
ClientSampleId :

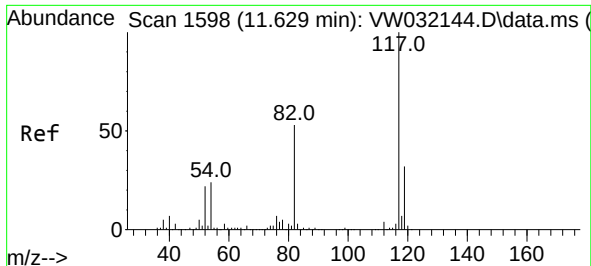
Tgt Ion: 98 Resp: 357609
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 53.068 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

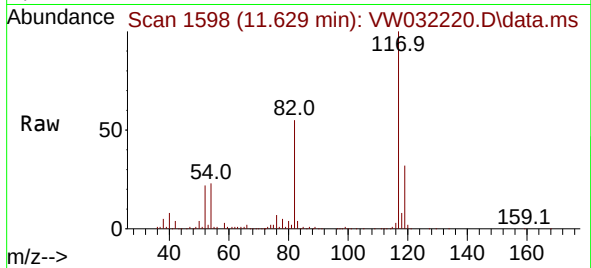
Tgt Ion: 95 Resp: 153844
Ion Ratio Lower Upper
95 100
174 69.7 0.0 145.6
176 68.1 0.0 140.8



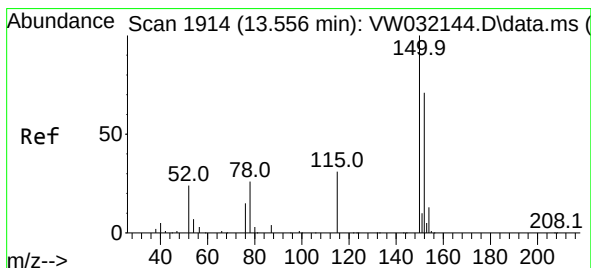
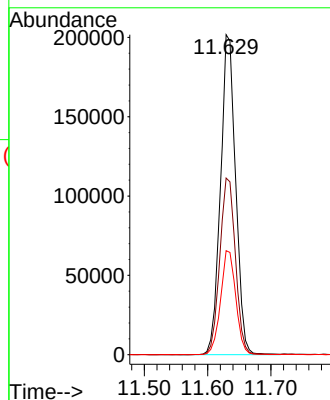
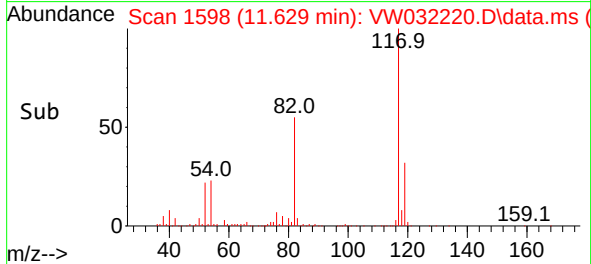


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

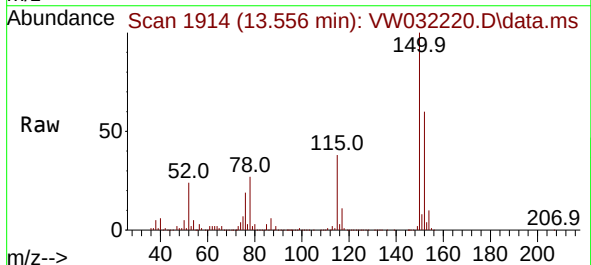
Instrument :
MSVOA_W
ClientSampleId :



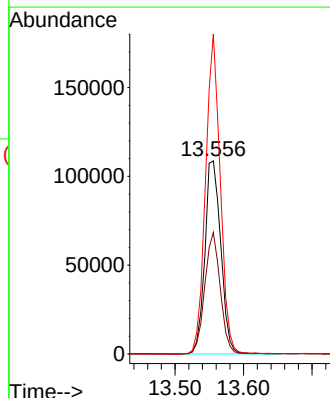
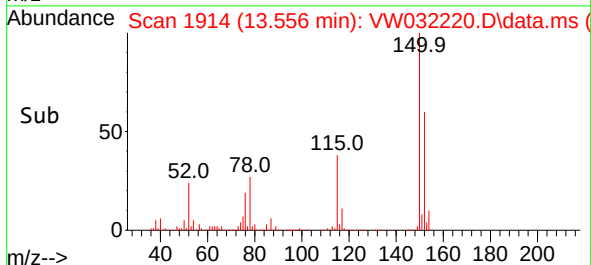
Tgt Ion:117 Resp: 334420
Ion Ratio Lower Upper
117 100
82 55.2 42.7 64.1
119 32.5 25.2 37.8

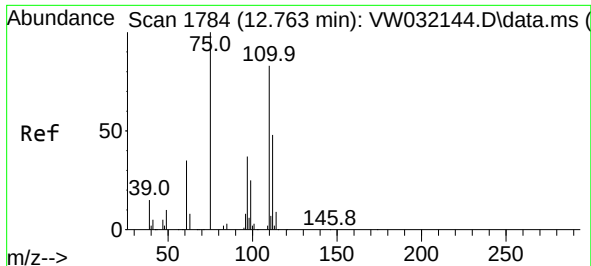


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55



Tgt Ion:152 Resp: 176332
Ion Ratio Lower Upper
152 100
115 61.1 31.8 95.4
150 152.5 0.0 343.0

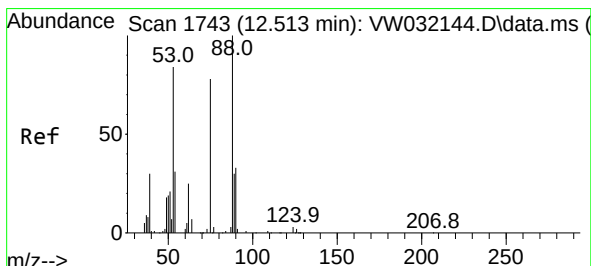
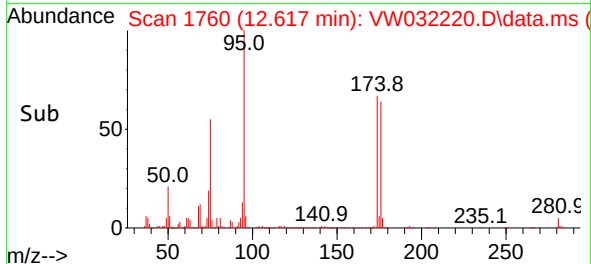
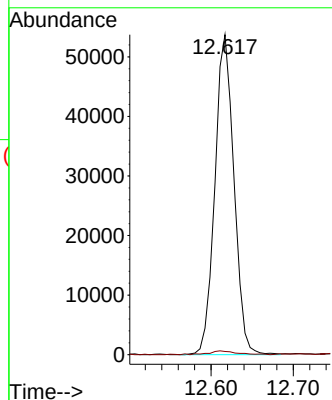
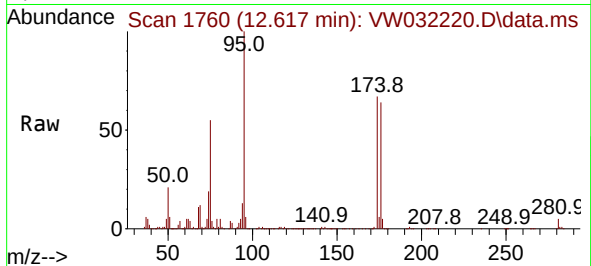




#76
1,2,3-Trichloropropane
Concen: 39.213 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 86625
Ion Ratio Lower Upper
75 100
77 1.8 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.580 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032220.D
Acq: 19 Sep 2025 16:55

Tgt Ion: 75 Resp: 86625
Ion Ratio Lower Upper
75 100
53 0.4 91.0 136.6#
89 0.1 39.4 59.2#

