

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032162.D
 Acq On : 28 Aug 2025 16:14
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-082825

Quant Time: Aug 29 01:21:48 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)

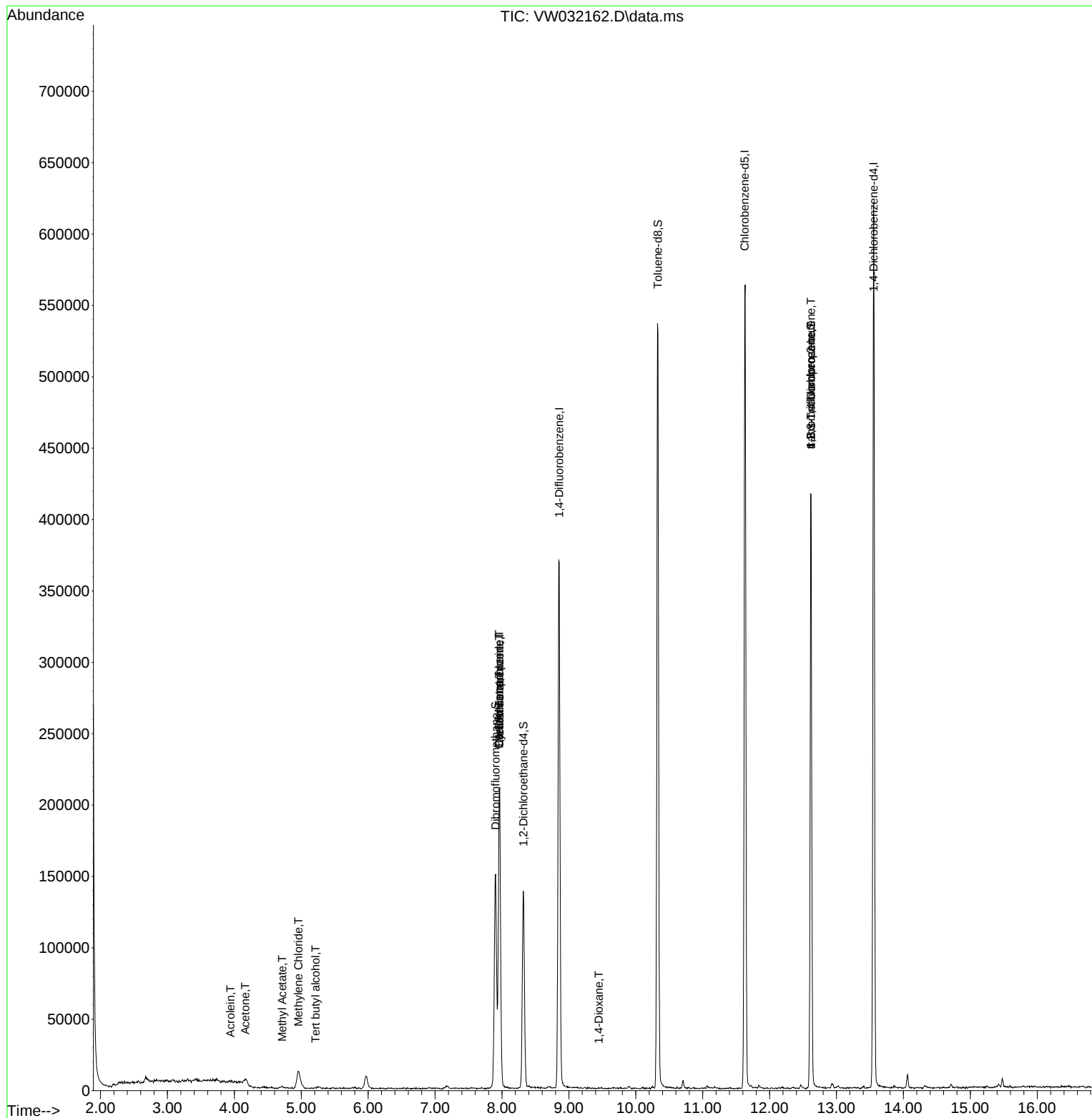
Internal Standards						
1) Pentafluorobenzene	7.965	168	151423	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	309288	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	307490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	158243	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	114671	52.952	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 105.900%			
35) Dibromofluoromethane	7.904	113	107178	49.392	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 98.780%			
50) Toluene-d8	10.331	98	352913	46.329	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 92.660%			
62) 4-Bromofluorobenzene	12.617	95	135210	48.001	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.000%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.216	59	135	1.019	ug/l #	1
13) Acrolein	3.942	56	317	1.557	ug/l #	14
16) Acetone	4.161	43	2431	5.183	ug/l #	87
18) Methyl Acetate	4.716	43	1676	1.122	ug/l	94
20) Methylene Chloride	4.960	84	10842	2.044	ug/l	97
31) Cyclohexane	7.959	56	4066	1.529	ug/l #	39
36) 1,1-Dichloropropene	7.959	75	13337	4.740	ug/l #	52
38) Carbon Tetrachloride	7.959	117	16687	5.533	ug/l #	17
49) 1,4-Dioxane	9.447	88	20	1.126	ug/l #	24
76) 1,2,3-Trichloropropane	12.617	75	71392	36.012	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	71392	96.960	ug/l #	5

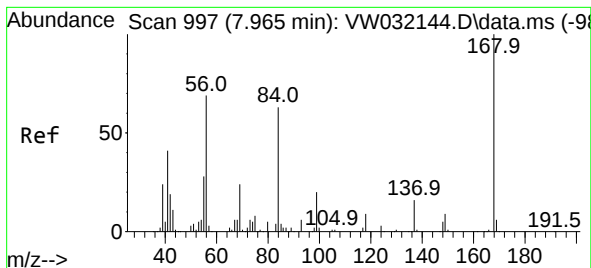
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VW032162.D

Acq: 28 Aug 2025 16:14

Instrument :

MSVOA_W

ClientSampleId :

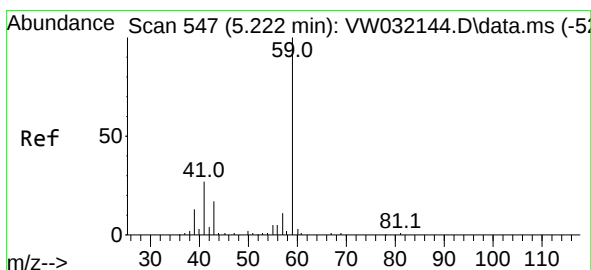
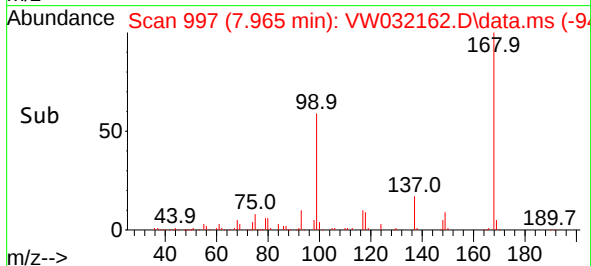
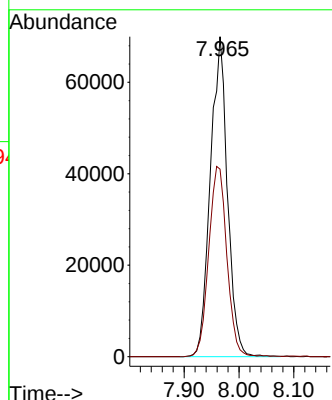
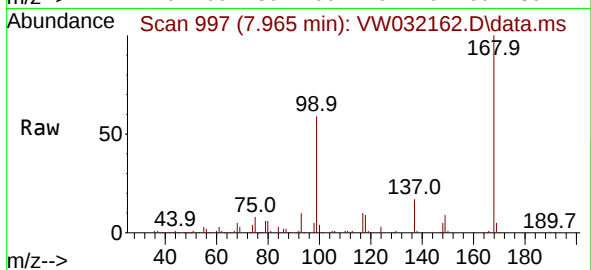
OK-01-082825

Tgt Ion:168 Resp: 151423

Ion Ratio Lower Upper

168 100

99 58.6 49.3 73.9



#11

Tert butyl alcohol

Concen: 1.019 ug/l

RT: 5.216 min Scan# 546

Delta R.T. -0.006 min

Lab File: VW032162.D

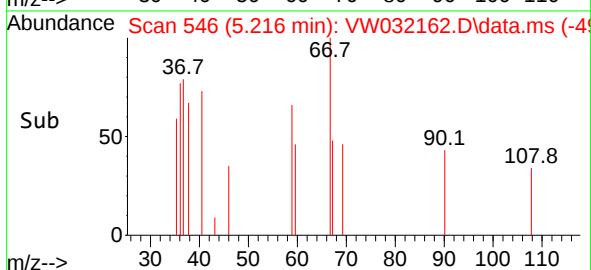
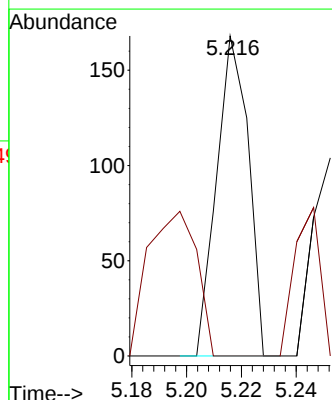
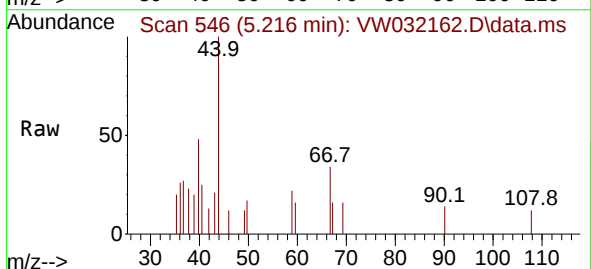
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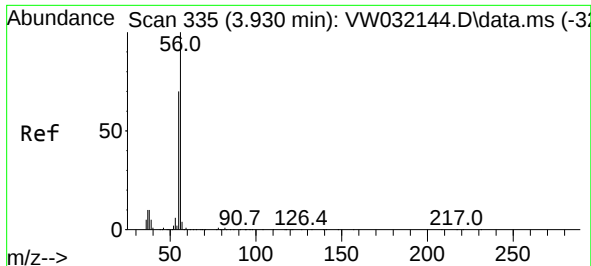
Tgt Ion: 59 Resp: 135

Ion Ratio Lower Upper

59 100

57 69.6 9.8 14.6#

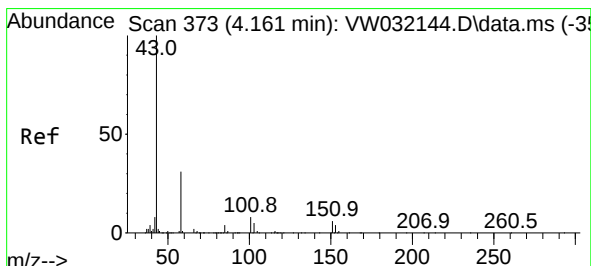
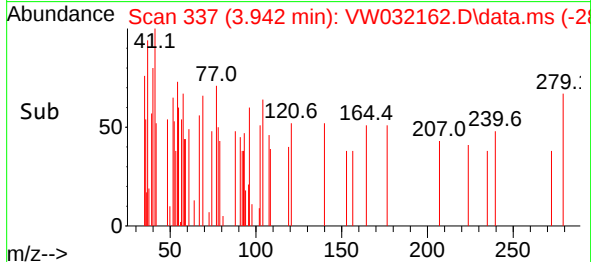
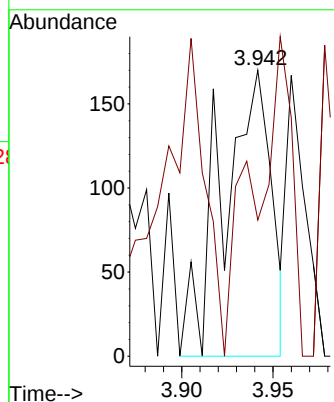
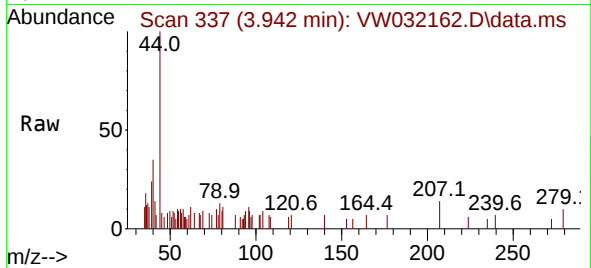




#13
Acrolein
Concen: 1.557 ug/l
RT: 3.942 min Scan# 317
Delta R.T. 0.012 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

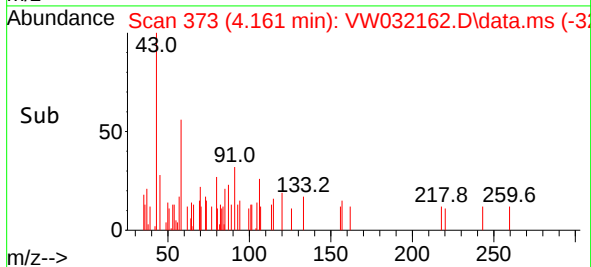
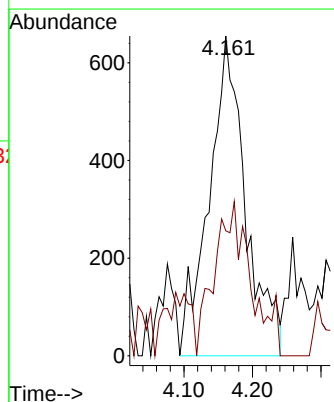
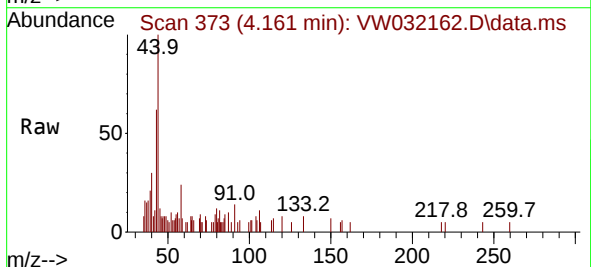
Instrument :
MSVOA_W
ClientSampleId :
OK-01-082825

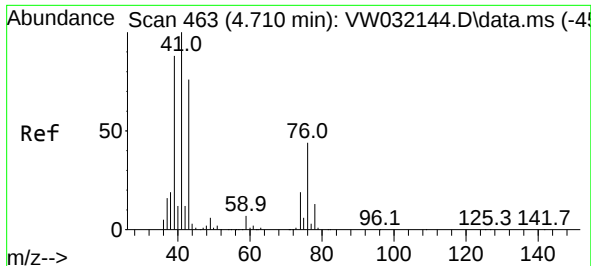
Tgt Ion: 56 Resp: 317
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#



#16
Acetone
Concen: 5.183 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
58 39.1 25.3 37.9#

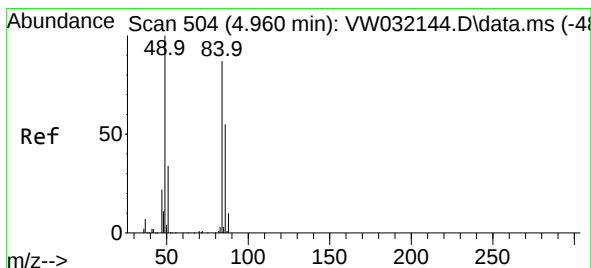
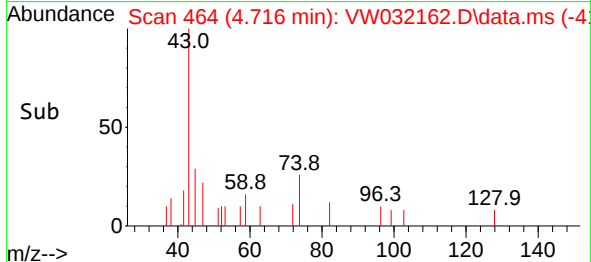
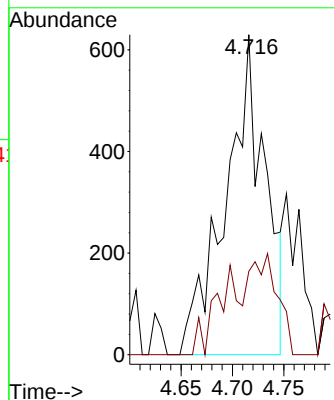
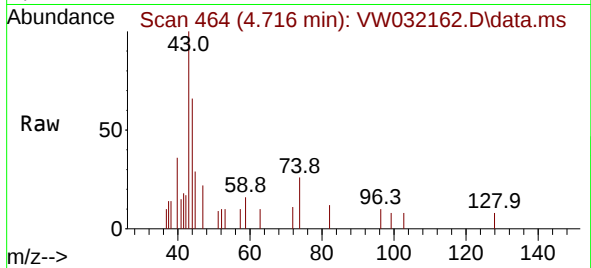




#18
Methyl Acetate
Concen: 1.122 ug/l
RT: 4.716 min Scan# 464
Delta R.T. 0.006 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

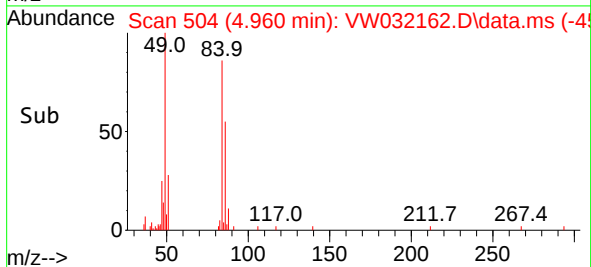
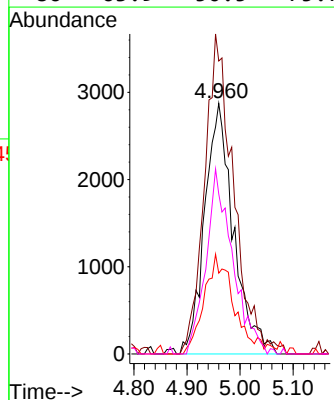
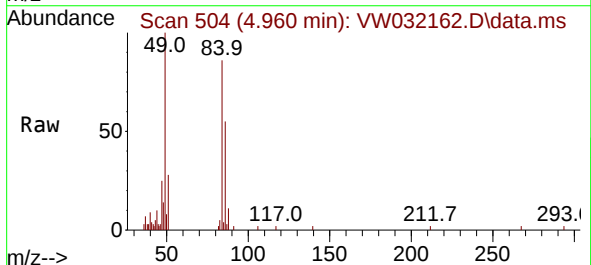
Instrument :
MSVOA_W
ClientSampleId :
OK-01-082825

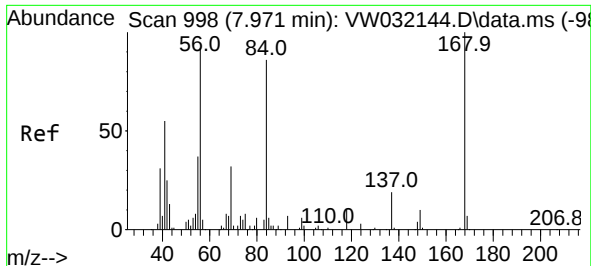
Tgt Ion: 43 Resp: 1676
Ion Ratio Lower Upper
43 100
74 22.3 20.2 30.4



#20
Methylene Chloride
Concen: 2.044 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

Tgt Ion: 84 Resp: 10842
Ion Ratio Lower Upper
84 100
49 116.9 92.2 138.4
51 32.2 31.0 46.6
86 63.9 50.5 75.7

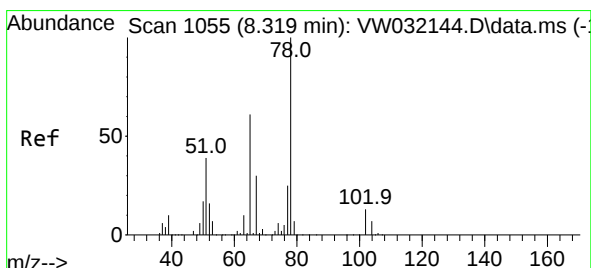
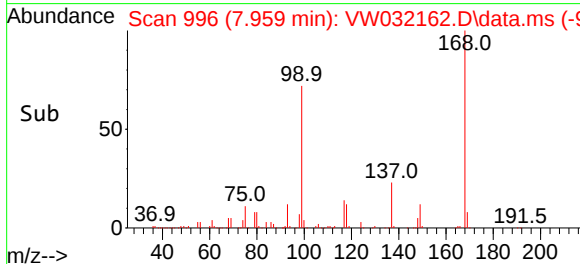
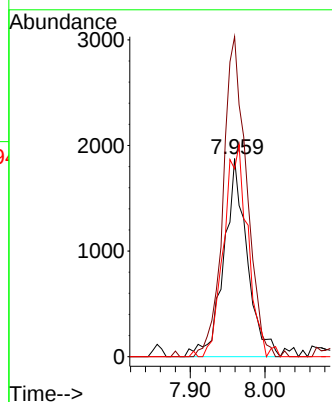
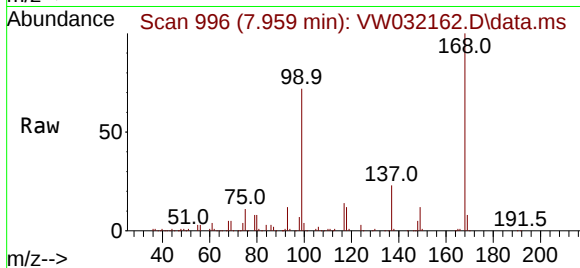




#31
Cyclohexane
Concen: 1.529 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

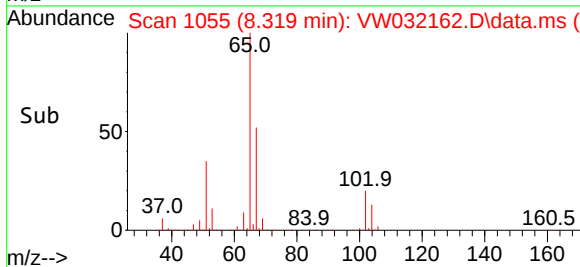
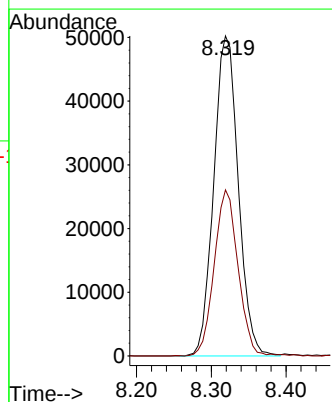
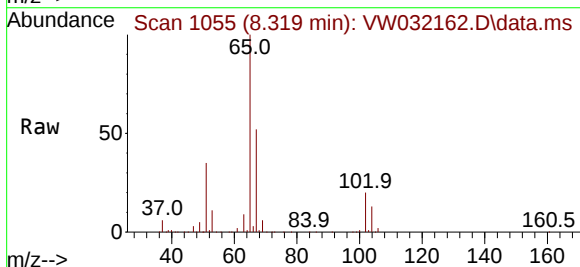
Instrument :
MSVOA_W
ClientSampleId :
OK-01-082825

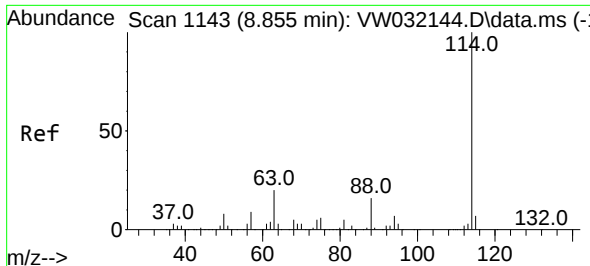
Tgt Ion: 56 Resp: 4066
Ion Ratio Lower Upper
56 100
69 161.6 27.7 41.5#
84 94.8 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 52.952 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

Tgt Ion: 65 Resp: 114671
Ion Ratio Lower Upper
65 100
67 50.6 0.0 99.6

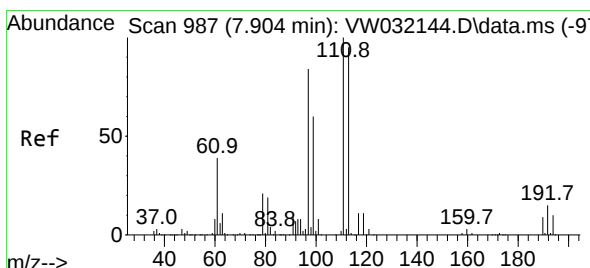
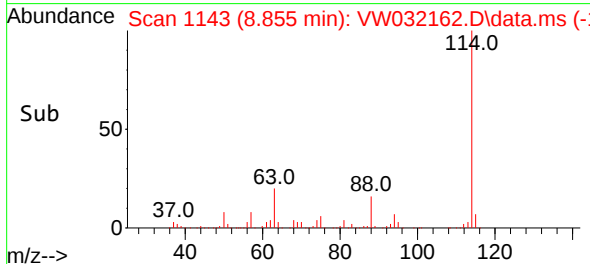
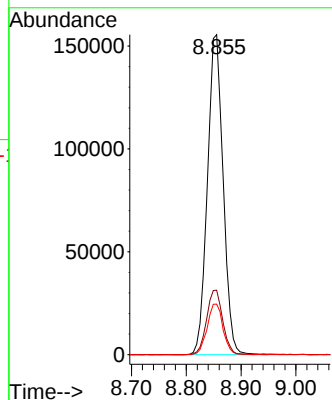
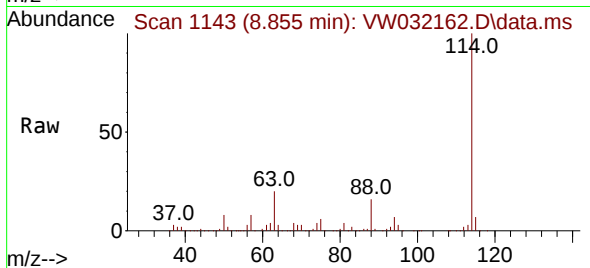




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.855 min Scan# 1143
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

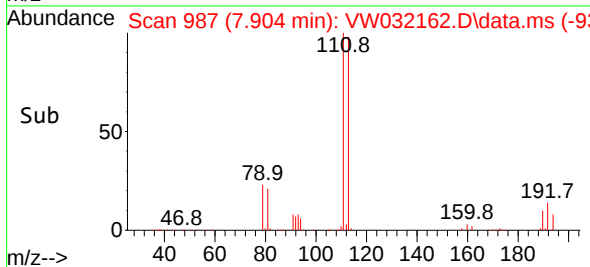
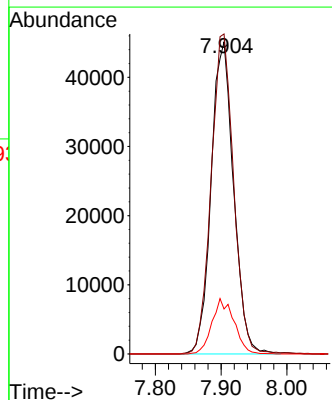
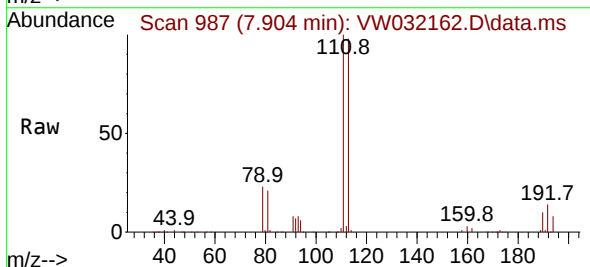
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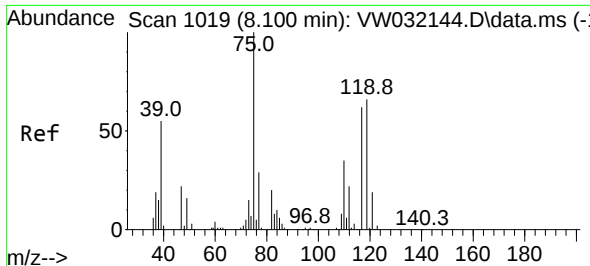
Tgt Ion:114 Resp: 309288
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.4
88 15.8 0.0 32.0



#35
Dibromofluoromethane
Concen: 49.392 ug/l
RT: 7.904 min Scan# 987
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

Tgt Ion:113 Resp: 107178
Ion Ratio Lower Upper
113 100
111 102.9 83.9 125.9
192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.740 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032162.D

Acq: 28 Aug 2025 16:14

Instrument :

MSVOA_W

ClientSampleId :

OK-01-082825

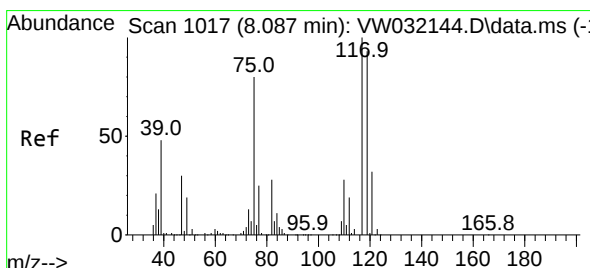
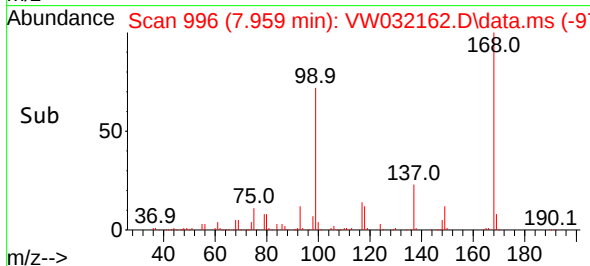
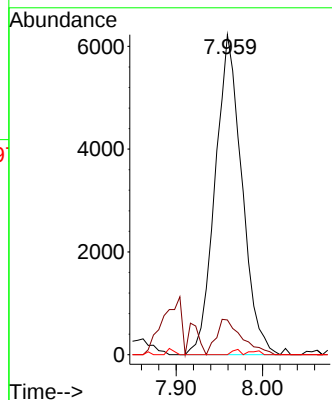
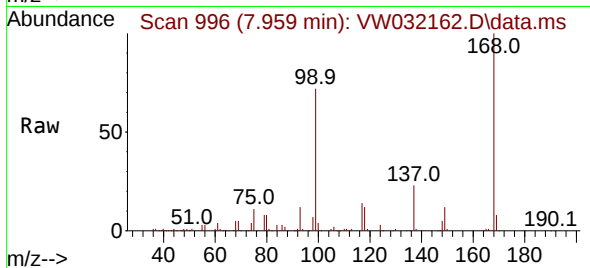
Tgt Ion: 75 Resp: 13337

Ion Ratio Lower Upper

75 100

110 10.5 17.5 52.5#

77 0.5 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.533 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032162.D

Acq: 28 Aug 2025 16:14

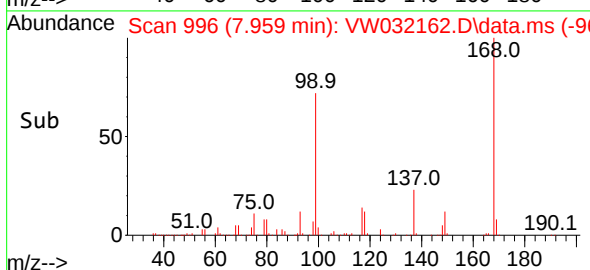
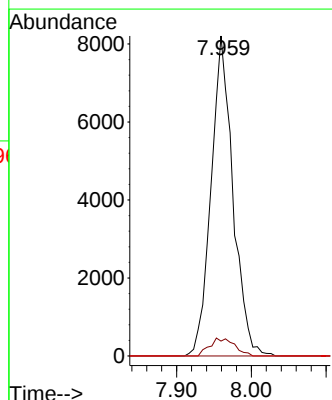
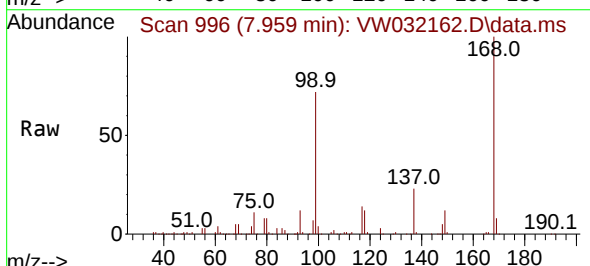
Tgt Ion: 117 Resp: 16687

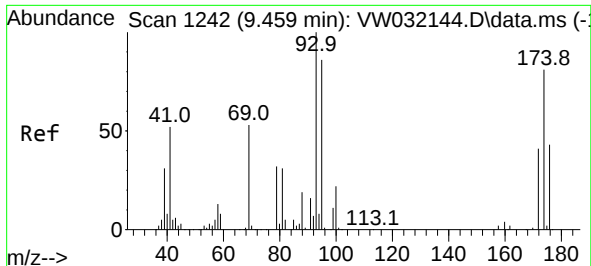
Ion Ratio Lower Upper

117 100

119 4.6 74.2 111.2#

121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 1.126 ug/l

RT: 9.447 min Scan# 11

Delta R.T. -0.012 min

Lab File: VW032162.D

Acq: 28 Aug 2025 16:14

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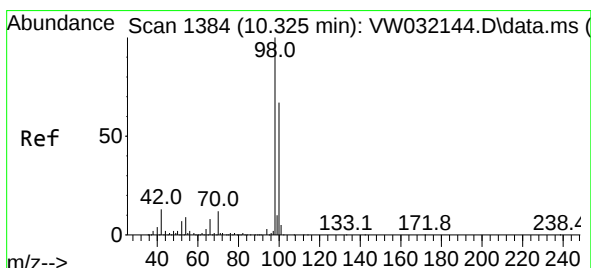
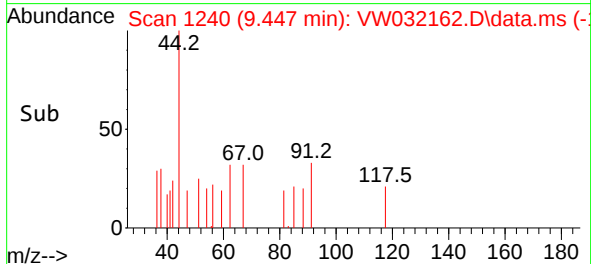
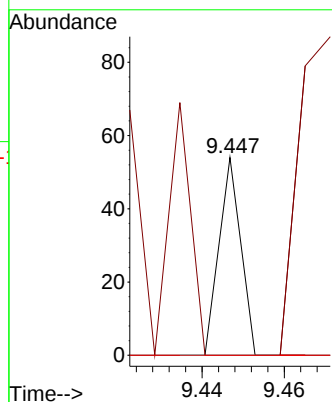
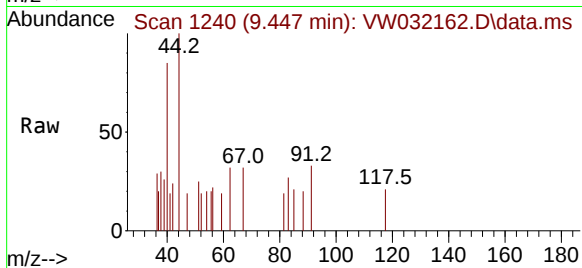
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 0.0 55.4 83.0#



#50

Toluene-d8

Concen: 46.329 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW032162.D

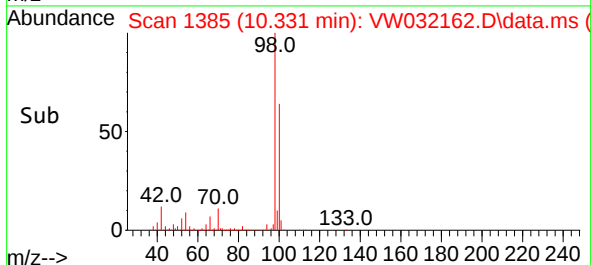
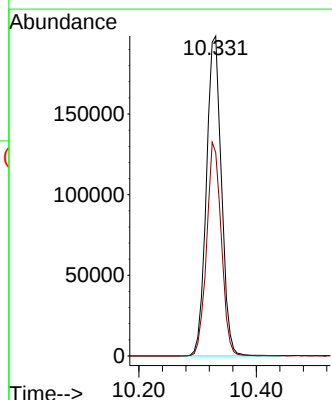
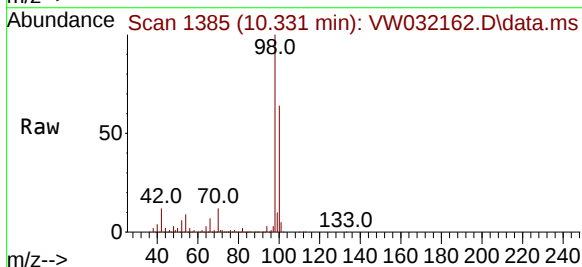
Acq: 28 Aug 2025 16:14

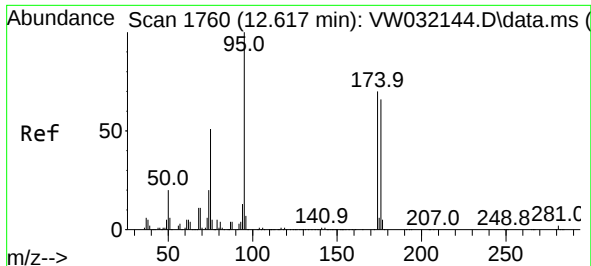
Tgt Ion: 98 Resp: 352913

Ion Ratio Lower Upper

98 100

100 64.9 51.4 77.2

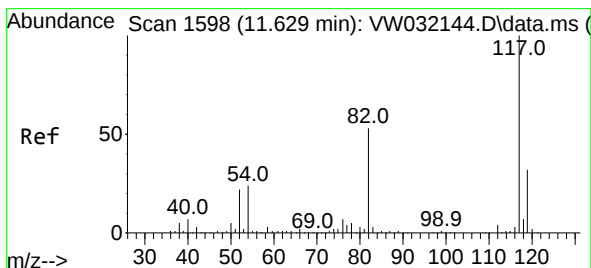
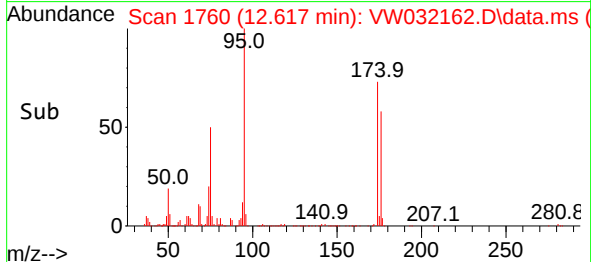
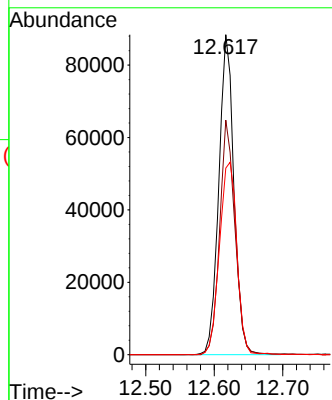
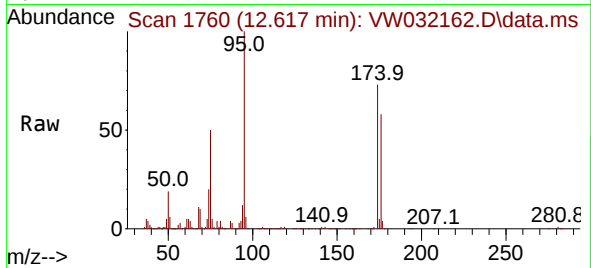




#62
4-Bromofluorobenzene
Concen: 48.001 ug/l
RT: 12.617 min Scan# 1
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

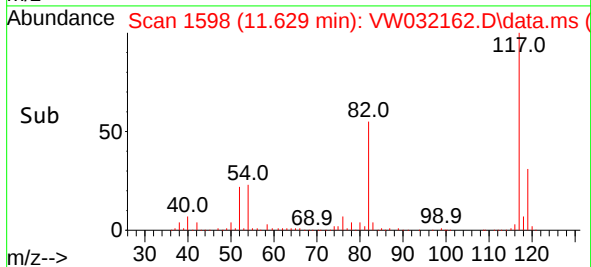
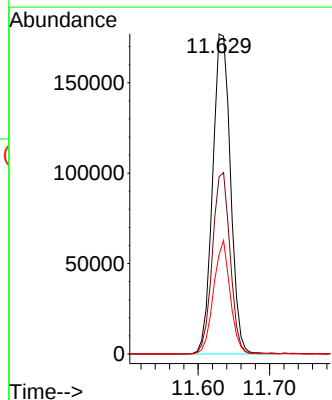
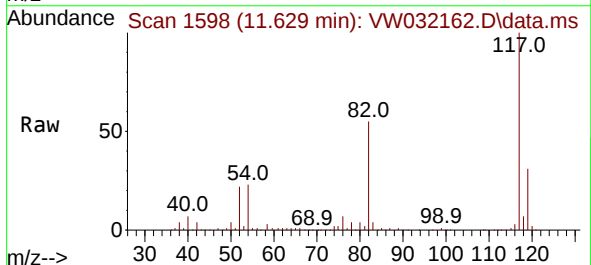
Instrument :
MSVOA_W
ClientSampleId :
OK-01-082825

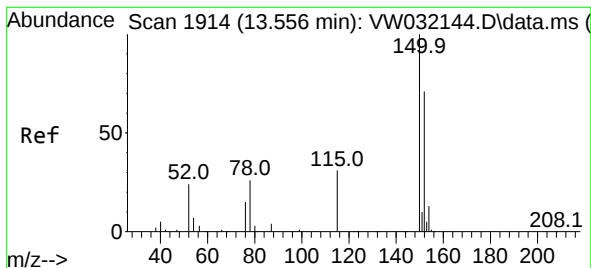
Tgt Ion: 95 Resp: 135210
Ion Ratio Lower Upper
95 100
174 74.0 0.0 145.6
176 69.2 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032162.D
Acq: 28 Aug 2025 16:14

Tgt Ion: 117 Resp: 307490
Ion Ratio Lower Upper
117 100
82 55.3 42.7 64.1
119 31.1 25.2 37.8

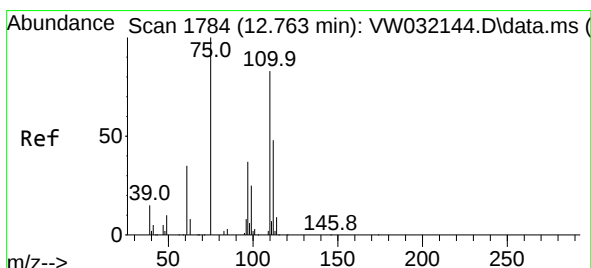
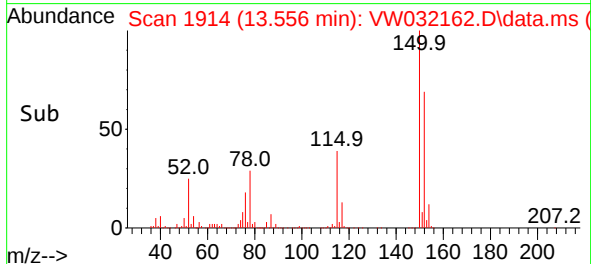
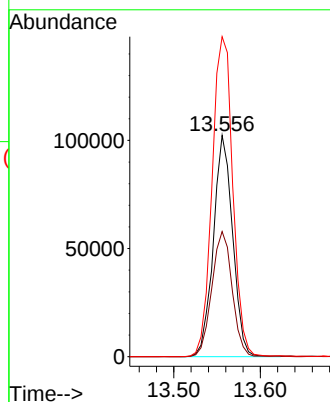
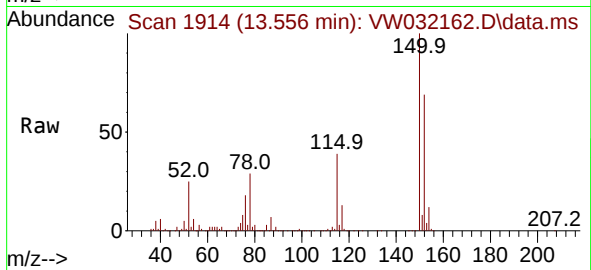




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032162.D
 Acq: 28 Aug 2025 16:14

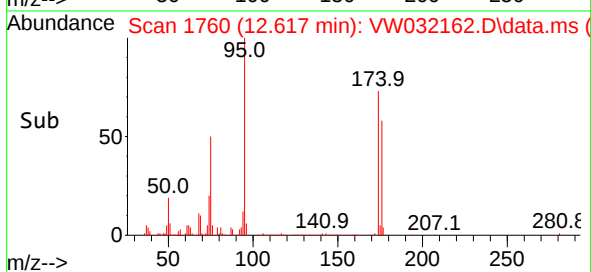
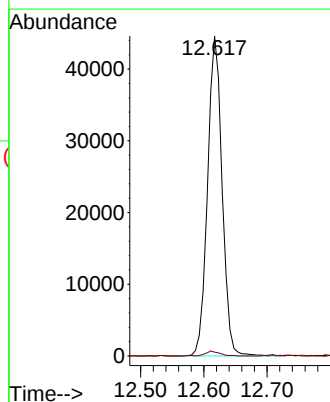
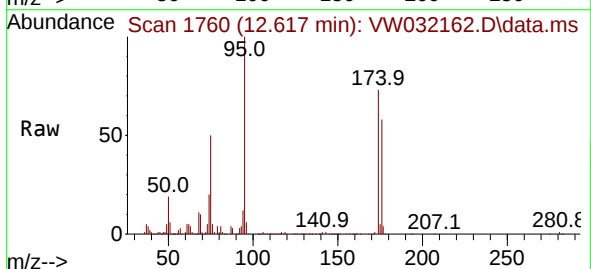
Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-082825

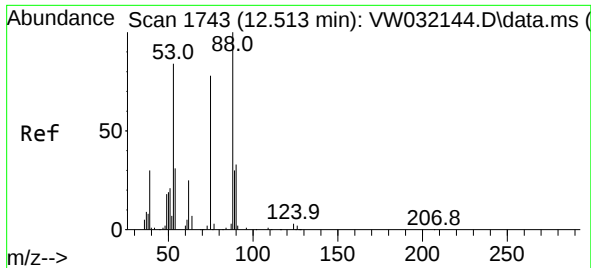
Tgt Ion:152 Resp: 158243
 Ion Ratio Lower Upper
 152 100
 115 59.4 31.8 95.4
 150 154.8 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 36.012 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032162.D
 Acq: 28 Aug 2025 16:14

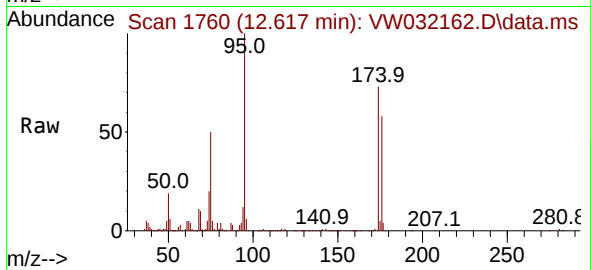
Tgt Ion: 75 Resp: 71392
 Ion Ratio Lower Upper
 75 100
 77 1.5 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.960 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032162.D
 Acq: 28 Aug 2025 16:14

Instrument :
 MSVOA_W
 ClientSampleId :
 OK-01-082825



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.5	91.0	136.6#
89	0.1	39.4	59.2#

