

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW082825\
 Data File : VW032158.D
 Acq On : 28 Aug 2025 14:47
 Operator : SY/MD
 Sample : Q2971-31
 Misc : 5.20g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP7

Quant Time: Aug 29 01:20:06 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)

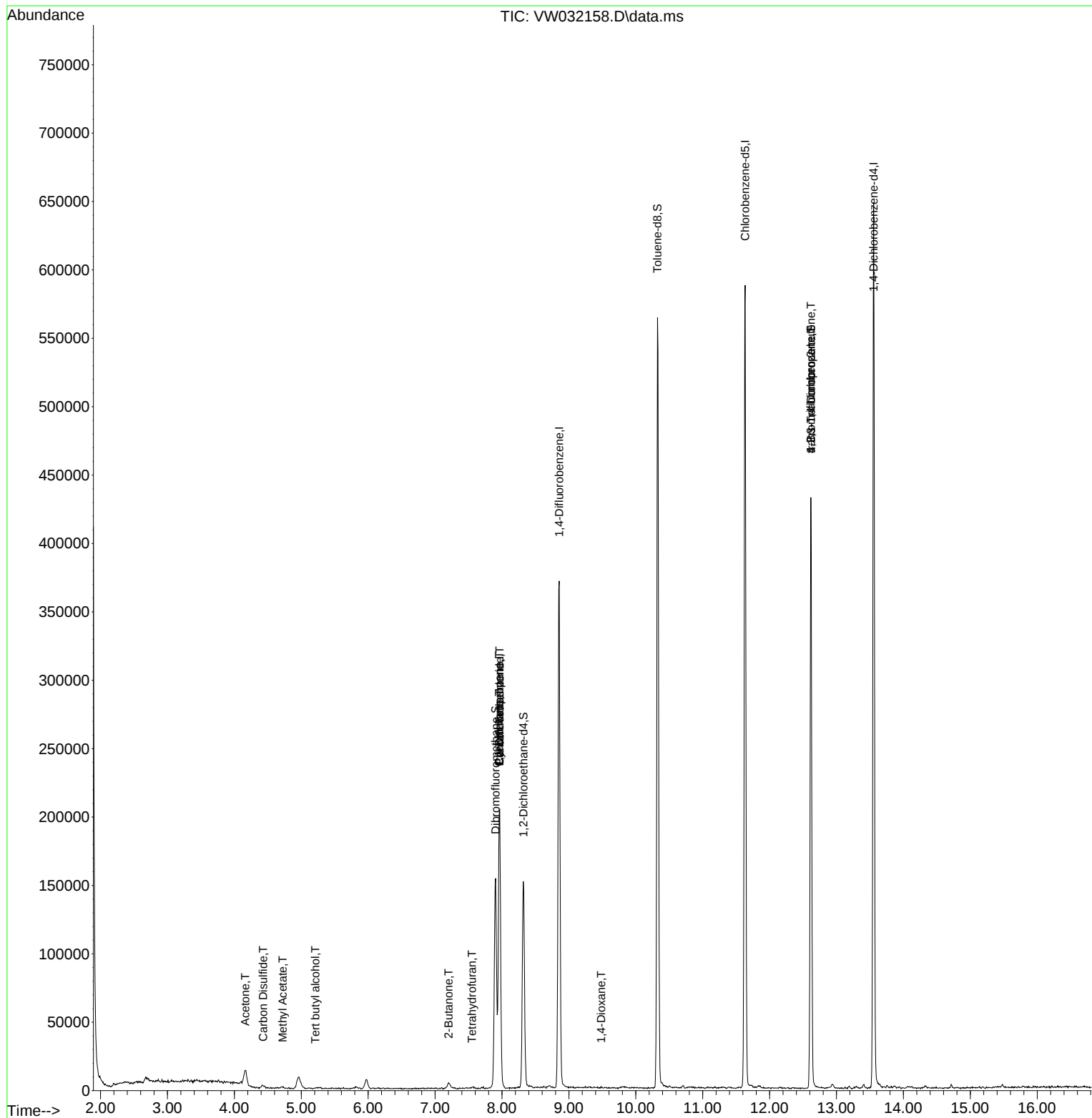
Internal Standards						
1) Pentafluorobenzene	7.965	168	140887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	307982	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	314677	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	164084	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	127288	63.174	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 126.340%		
35) Dibromofluoromethane	7.904	113	108028	49.995	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 99.980%		
50) Toluene-d8	10.324	98	364867	48.101	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 96.200%		
62) 4-Bromofluorobenzene	12.617	95	139525	49.743	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 99.480%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.209	59	174	1.412	ug/l #	24
16) Acetone	4.161	43	17003	38.965	ug/l #	88
17) Carbon Disulfide	4.429	76	4306	1.156	ug/l #	78
18) Methyl Acetate	4.722	43	2081	1.497	ug/l	92
25) 2-Butanone	7.203	43	6588	10.654	ug/l #	88
29) Tetrahydrofuran	7.550	42	439	1.117	ug/l #	72
31) Cyclohexane	7.959	56	3958	1.600	ug/l #	31
36) 1,1-Dichloropropene	7.959	75	13012	4.644	ug/l #	53
38) Carbon Tetrachloride	7.965	117	16805	5.595	ug/l #	18
49) 1,4-Dioxane	9.483	88	87	4.918	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	75636	36.794	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	75636	99.067	ug/l #	5

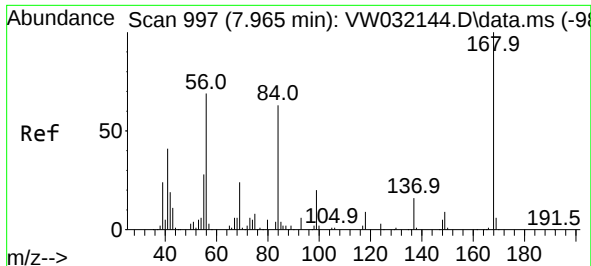
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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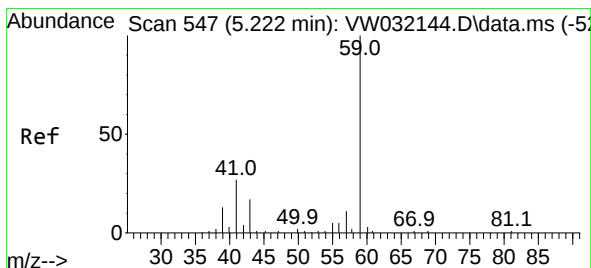
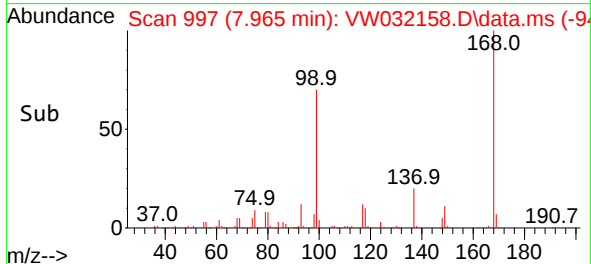
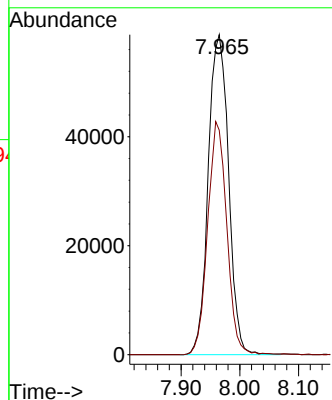
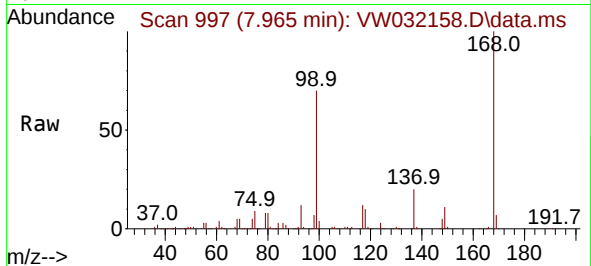




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

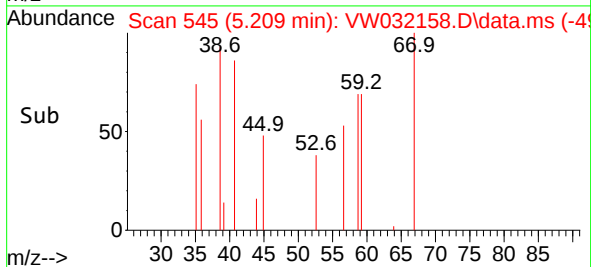
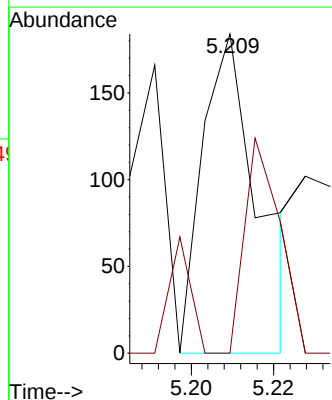
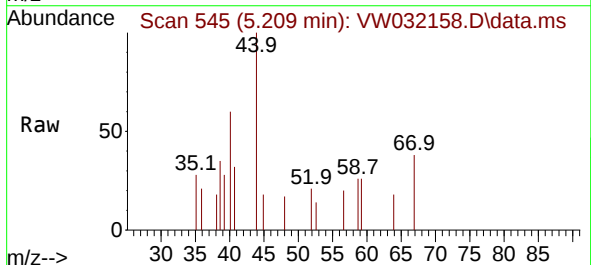
Instrument :
MSVOA_W
ClientSampleId :
TP7

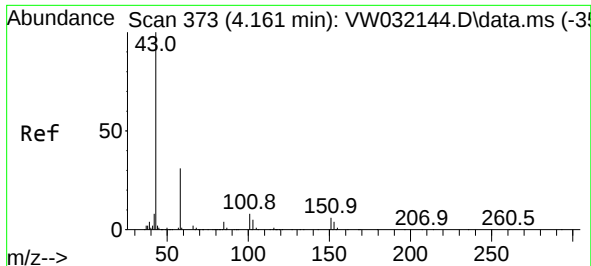
Tgt Ion:168 Resp: 140887
Ion Ratio Lower Upper
168 100
99 70.2 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.412 ug/l
RT: 5.209 min Scan# 545
Delta R.T. -0.013 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 59 Resp: 174
Ion Ratio Lower Upper
59 100
57 42.0 9.8 14.6#

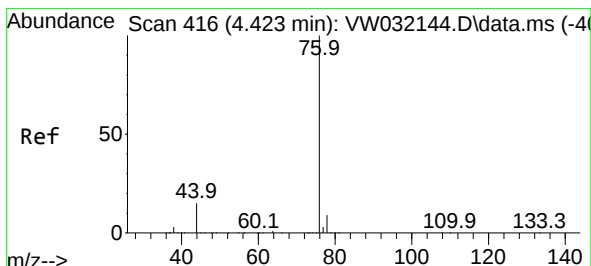
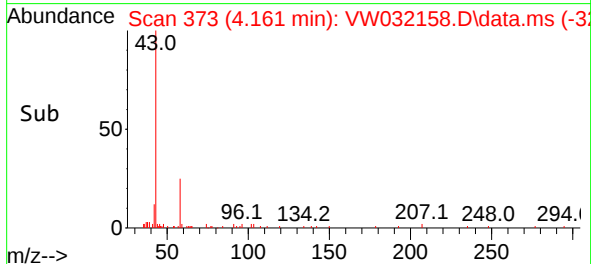
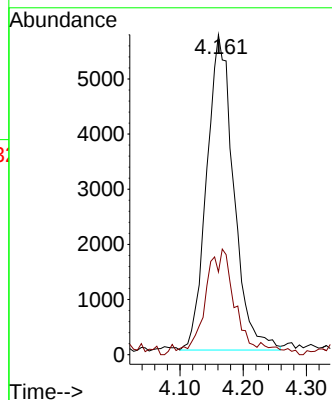
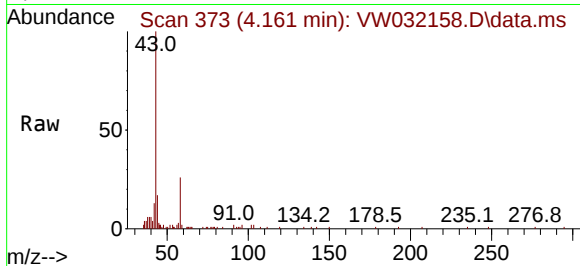




#16
Acetone
Concen: 38.965 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.000 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

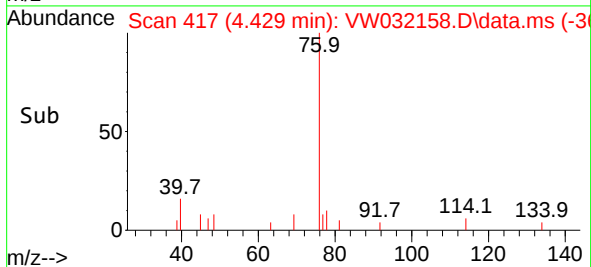
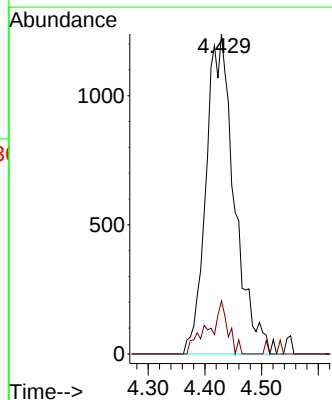
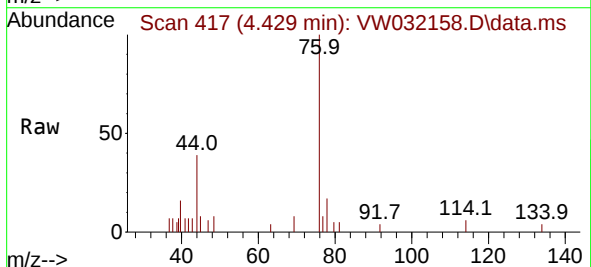
Instrument :
MSVOA_W
ClientSampleId :
TP7

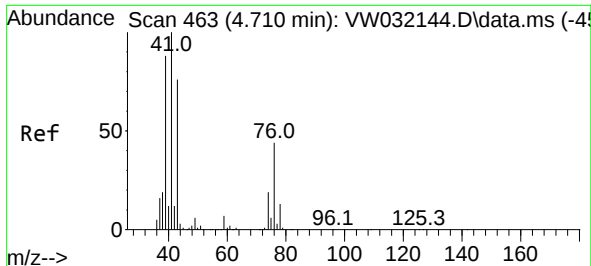
Tgt Ion: 43 Resp: 17003
Ion Ratio Lower Upper
43 100
58 24.7 25.3 37.9#



#17
Carbon Disulfide
Concen: 1.156 ug/l
RT: 4.429 min Scan# 417
Delta R.T. 0.006 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 76 Resp: 4306
Ion Ratio Lower Upper
76 100
78 16.6 7.0 10.6#

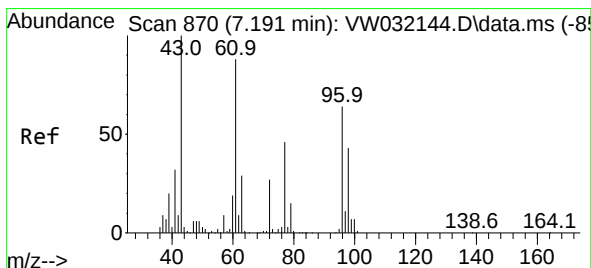
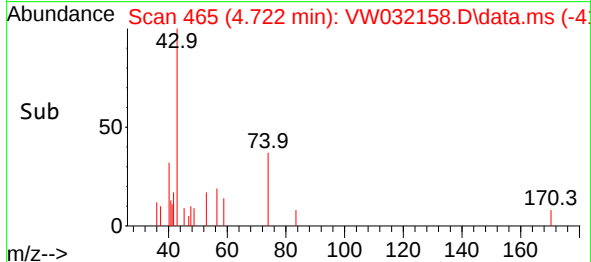
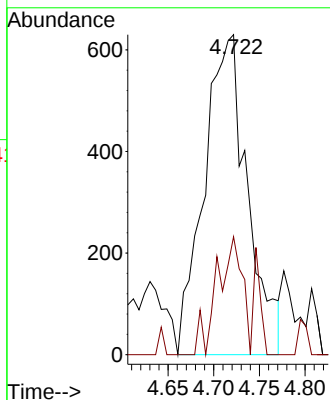
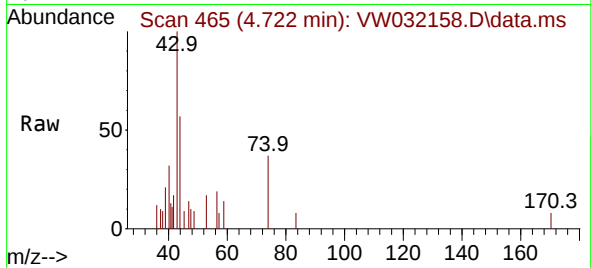




#18
Methyl Acetate
Concen: 1.497 ug/l
RT: 4.722 min Scan# 465
Delta R.T. 0.012 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

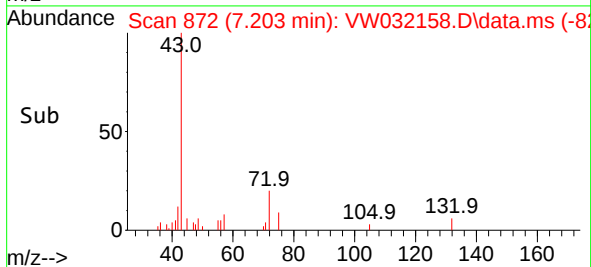
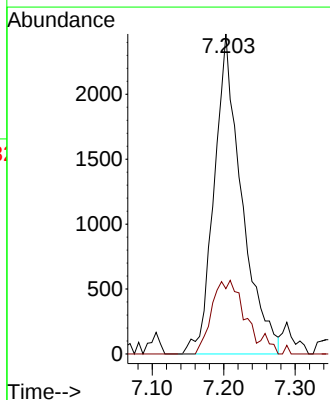
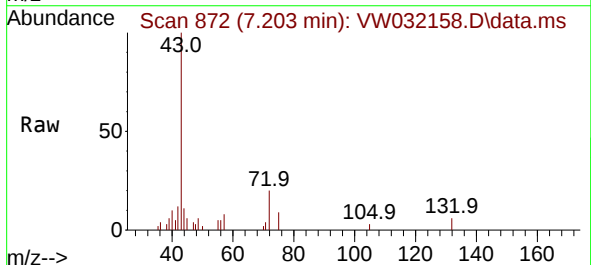
Instrument :
MSVOA_W
ClientSampleId :
TP7

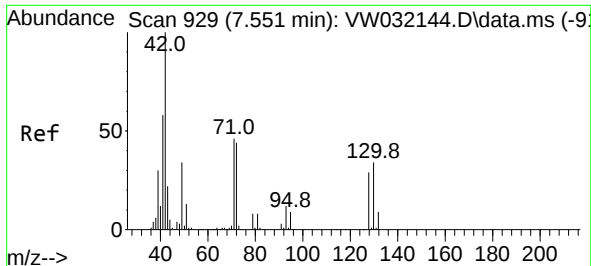
Tgt Ion: 43 Resp: 2081
Ion Ratio Lower Upper
43 100
74 21.3 20.2 30.4



#25
2-Butanone
Concen: 10.654 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 43 Resp: 6588
Ion Ratio Lower Upper
43 100
72 20.4 21.4 32.2#

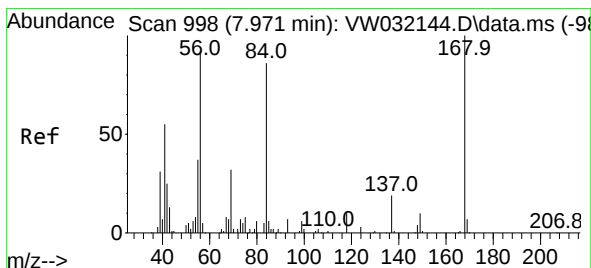
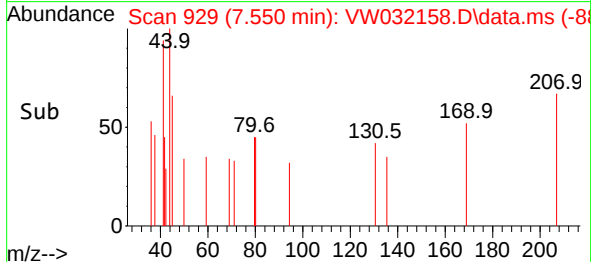
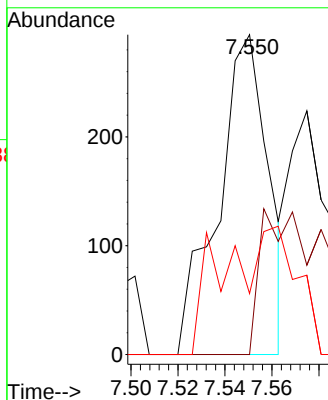
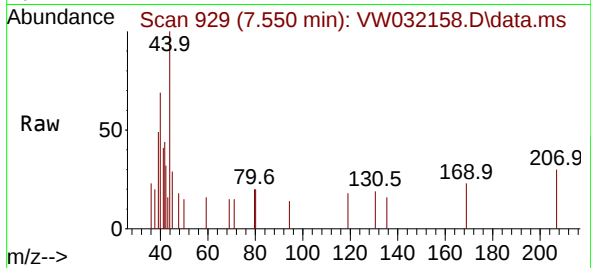




#29
Tetrahydrofuran
Concen: 1.117 ug/l
RT: 7.550 min Scan# 911
Delta R.T. -0.000 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

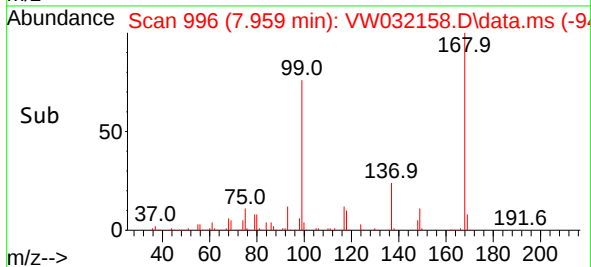
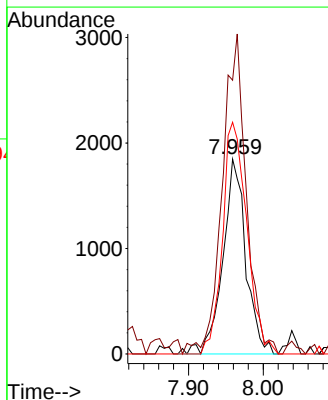
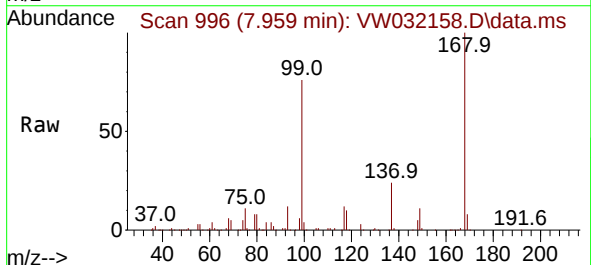
Instrument :
MSVOA_W
ClientSampleId :
TP7

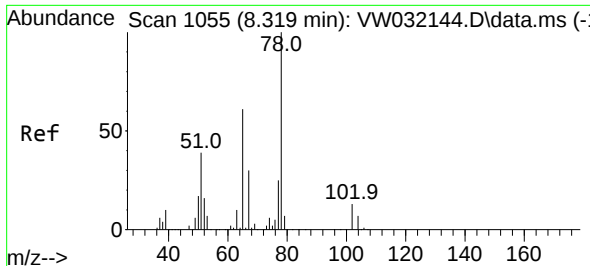
Tgt Ion: 42 Resp: 439
Ion Ratio Lower Upper
42 100
72 70.8 37.4 56.2#
71 58.3 36.0 54.0#



#31
Cyclohexane
Concen: 1.600 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.013 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 56 Resp: 3958
Ion Ratio Lower Upper
56 100
69 140.5 27.7 41.5#
84 118.8 74.6 112.0#





#33

1,2-Dichloroethane-d4

Concen: 63.174 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032158.D

Acq: 28 Aug 2025 14:47

Instrument :

MSVOA_W

ClientSampleId :

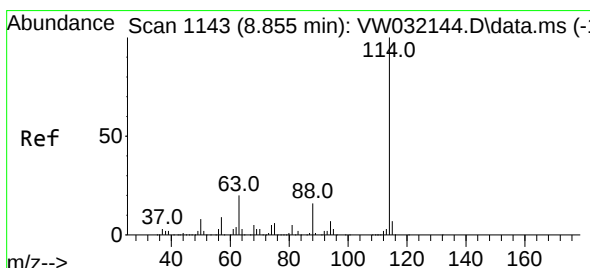
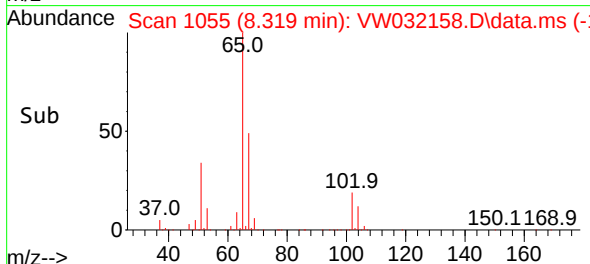
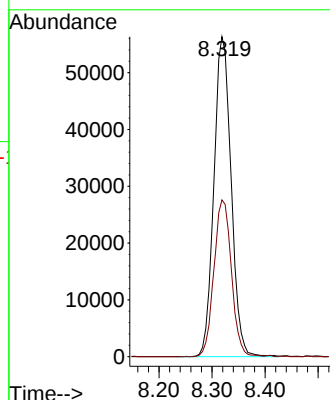
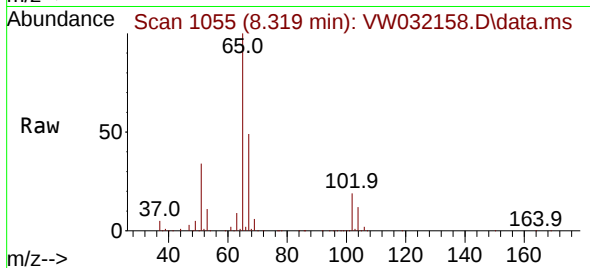
TP7

Tgt Ion: 65 Resp: 127288

Ion Ratio Lower Upper

65 100

67 49.6 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: VW032158.D

Acq: 28 Aug 2025 14:47

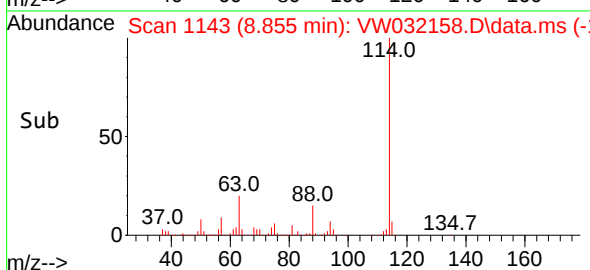
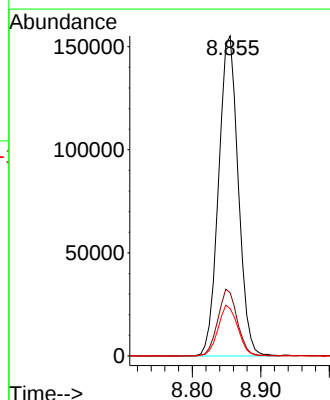
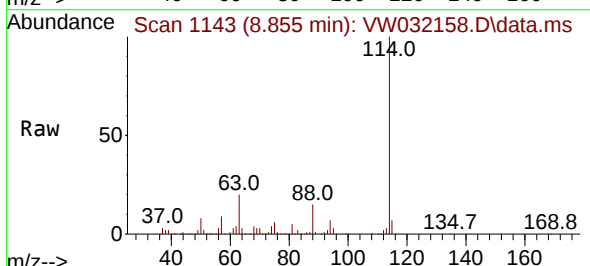
Tgt Ion: 114 Resp: 307982

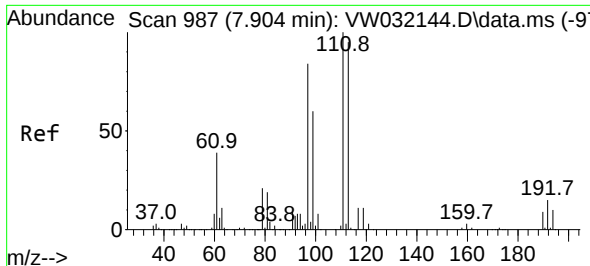
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.4

88 14.8 0.0 32.0

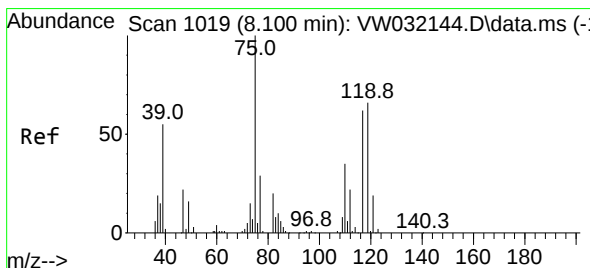
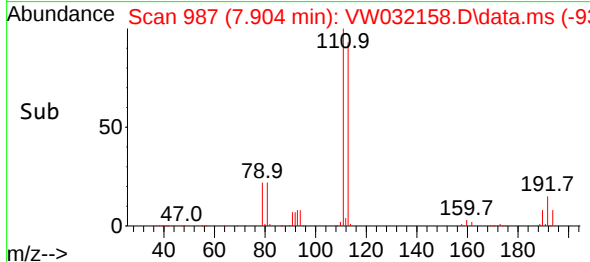
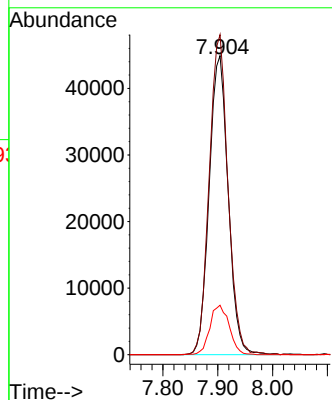
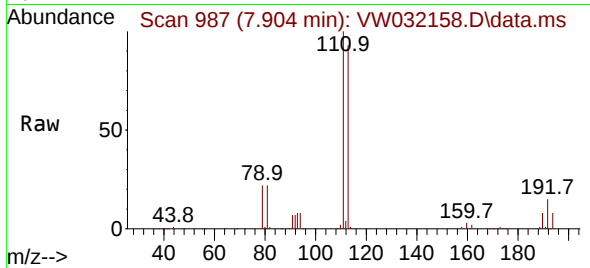




#35
 Dibromofluoromethane
 Concen: 49.995 ug/l
 RT: 7.904 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VW032158.D
 Acq: 28 Aug 2025 14:47

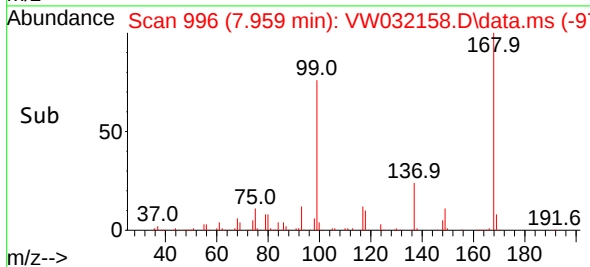
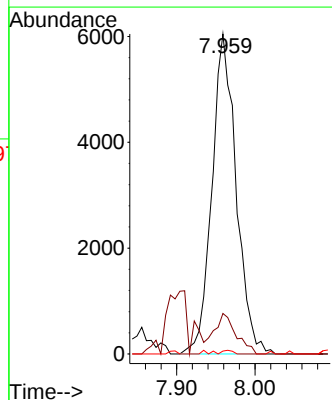
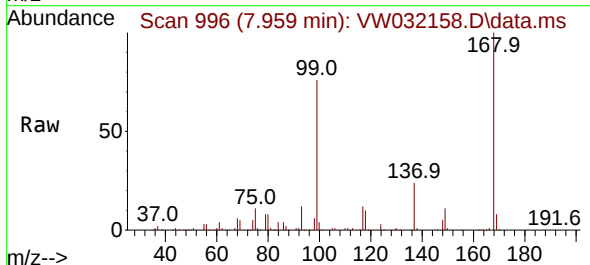
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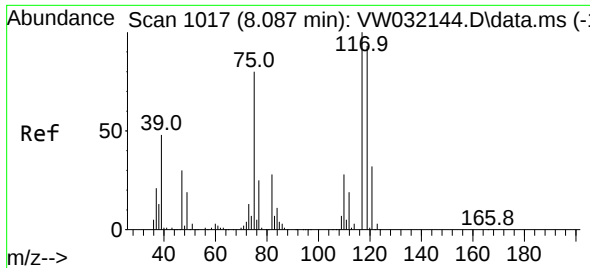
Tgt Ion:113 Resp: 108028
 Ion Ratio Lower Upper
 113 100
 111 105.7 83.9 125.9
 192 16.9 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.644 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.141 min
 Lab File: VW032158.D
 Acq: 28 Aug 2025 14:47

Tgt Ion: 75 Resp: 13012
 Ion Ratio Lower Upper
 75 100
 110 11.5 17.5 52.5#
 77 0.5 24.1 36.1#

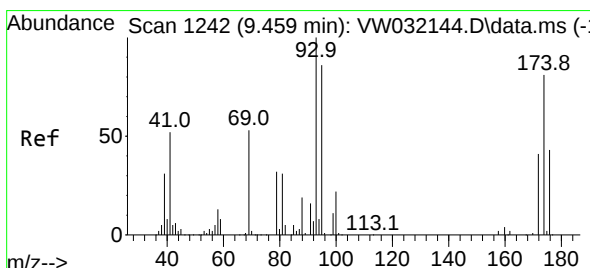
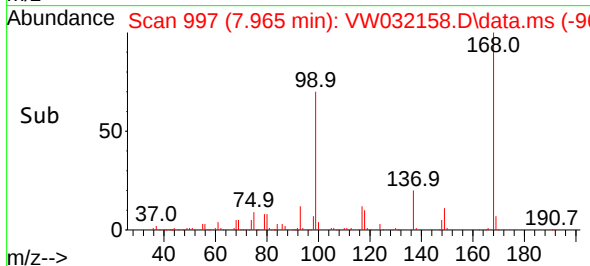
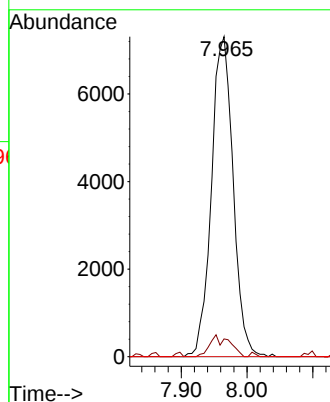
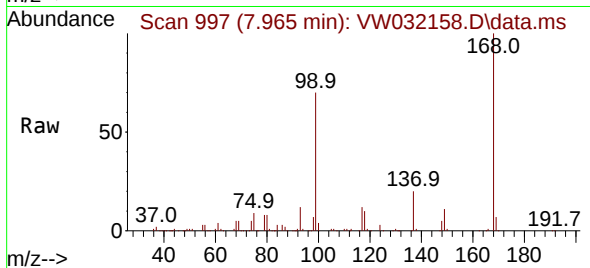




#38
Carbon Tetrachloride
Concen: 5.595 ug/l
RT: 7.965 min Scan# 91
Delta R.T. -0.122 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

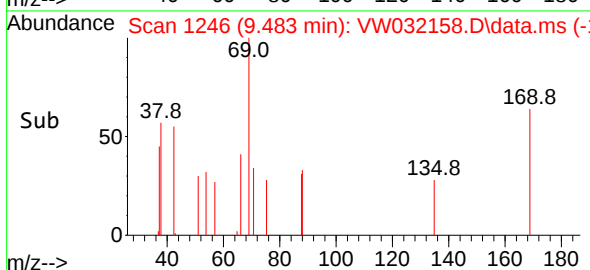
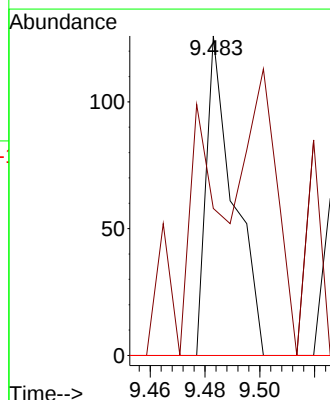
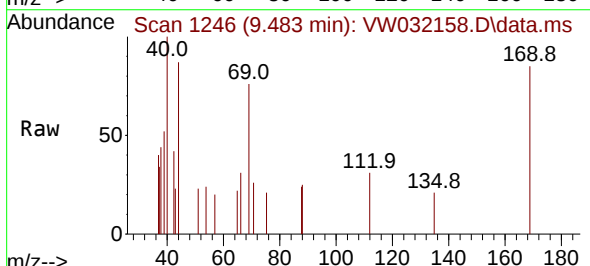
Instrument :
MSVOA_W
ClientSampleId :
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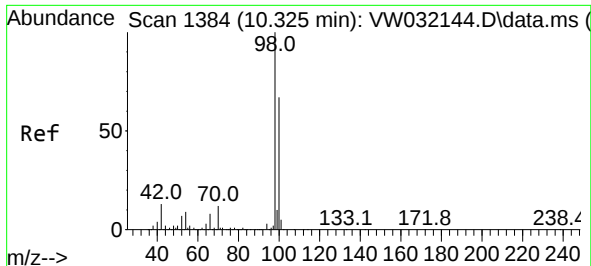
Tgt Ion:117 Resp: 16805
Ion Ratio Lower Upper
117 100
119 5.6 74.2 111.2#
121 0.0 25.6 38.4#



#49
1,4-Dioxane
Concen: 4.918 ug/l
RT: 9.483 min Scan# 1246
Delta R.T. 0.024 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 88 Resp: 87
Ion Ratio Lower Upper
88 100
43 216.1 18.0 27.0#
58 0.0 55.4 83.0#

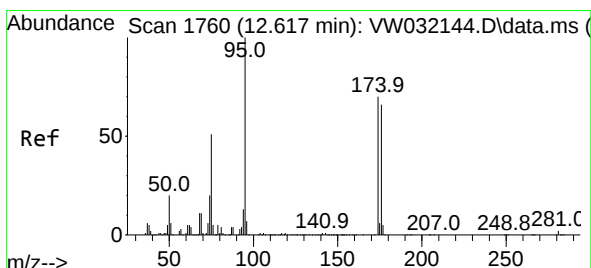
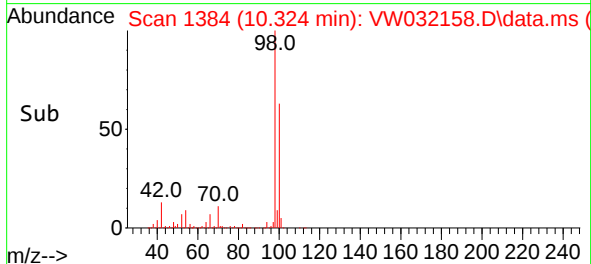
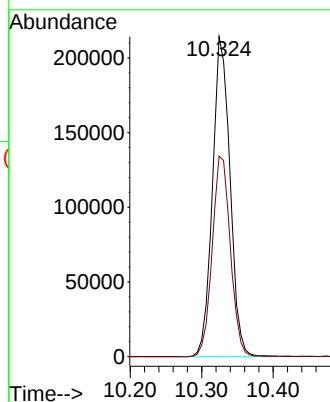
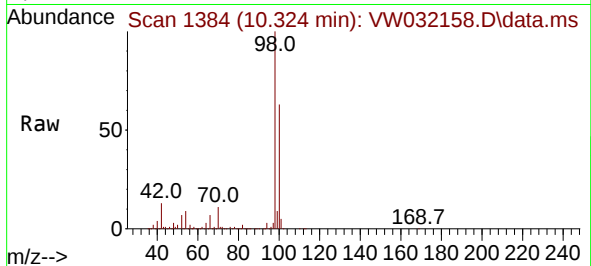




#50
Toluene-d8
Concen: 48.101 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

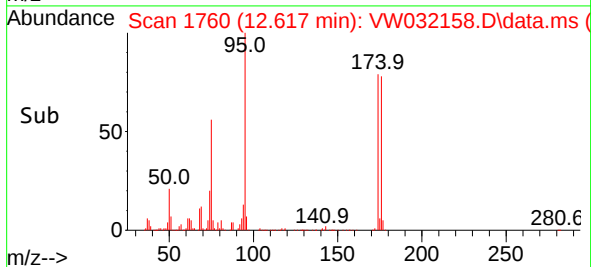
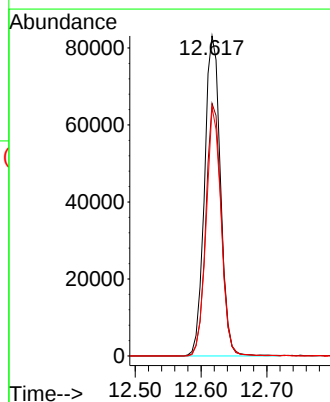
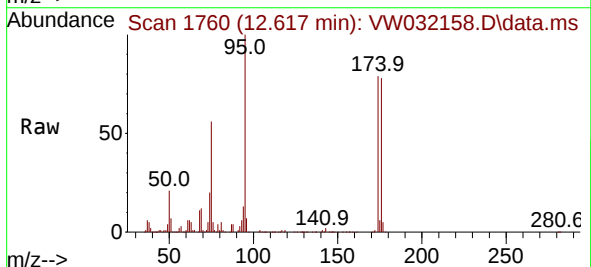
Instrument :
MSVOA_W
ClientSampleId :
TP7

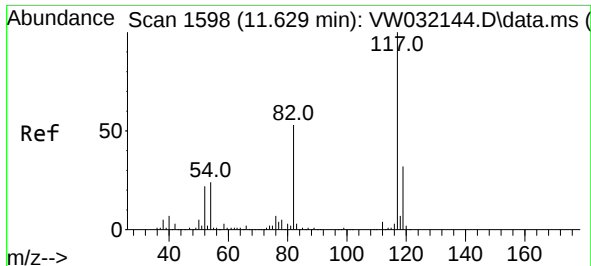
Tgt Ion: 98 Resp: 364867
Ion Ratio Lower Upper
98 100
100 64.9 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 49.743 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

Tgt Ion: 95 Resp: 139525
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.6
176 73.2 0.0 140.8

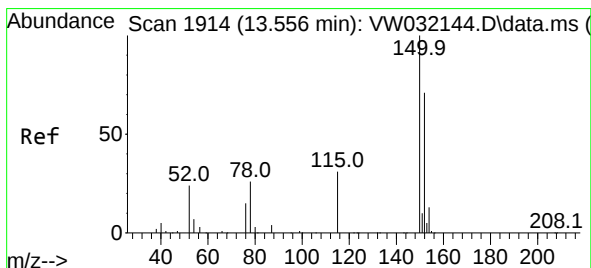
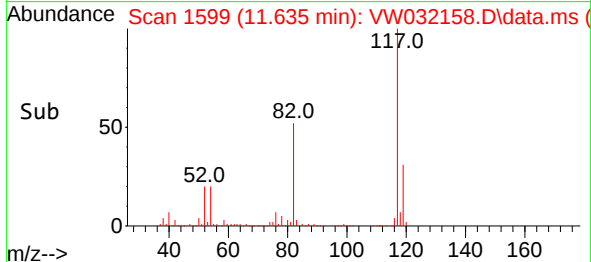
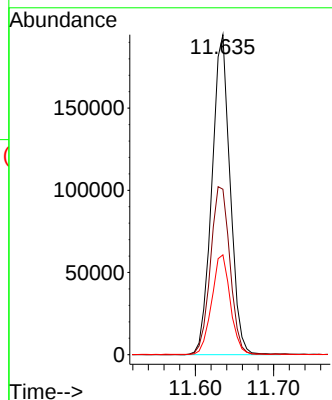
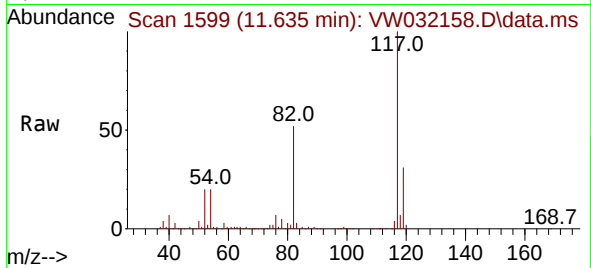




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

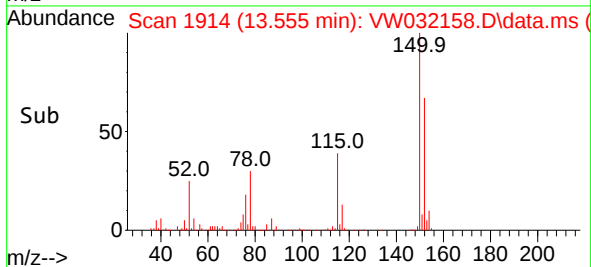
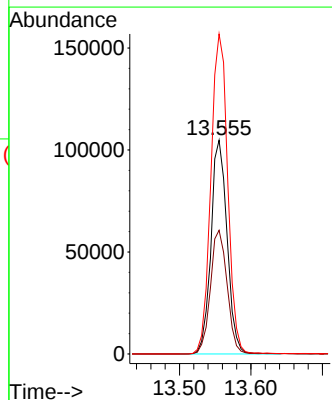
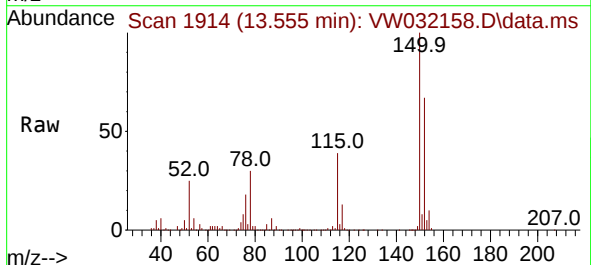
Instrument :
MSVOA_W
ClientSampleId :
TP7

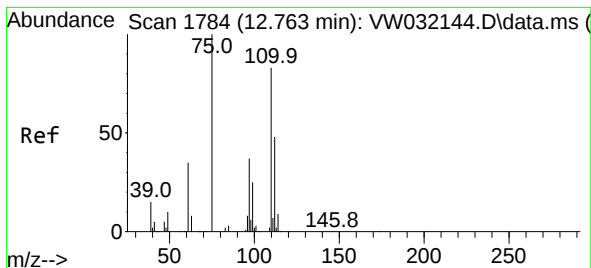
Tgt Ion:117 Resp: 314677
Ion Ratio Lower Upper
117 100
82 51.7 42.7 64.1
119 31.1 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.555 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032158.D
Acq: 28 Aug 2025 14:47

Tgt Ion:152 Resp: 164084
Ion Ratio Lower Upper
152 100
115 59.9 31.8 95.4
150 156.0 0.0 343.0





#76

1,2,3-Trichloropropane

Concen: 36.794 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.147 min

Lab File: VW032158.D

Acq: 28 Aug 2025 14:47

Instrument :

MSVOA_W

ClientSampleId :

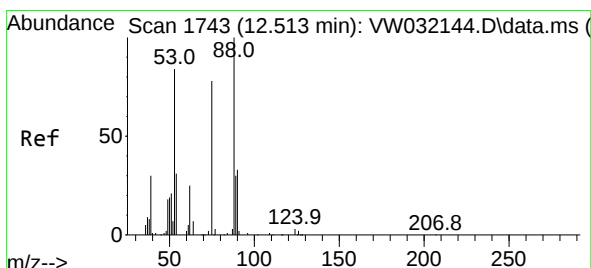
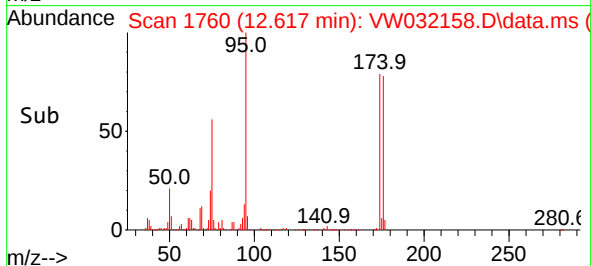
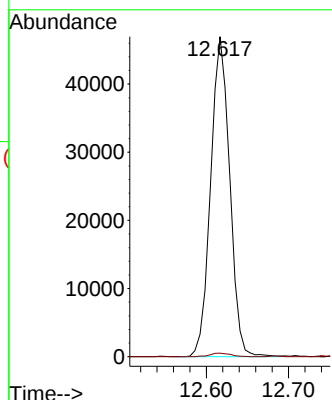
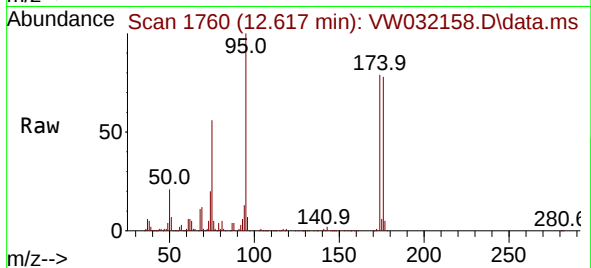
TP7

Tgt Ion: 75 Resp: 75636

Ion Ratio Lower Upper

75 100

77 1.2 141.7 425.1#



#81

trans-1,4-Dichloro-2-butene

Concen: 99.067 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. 0.103 min

Lab File: VW032158.D

Acq: 28 Aug 2025 14:47

Tgt Ion: 75 Resp: 75636

Ion Ratio Lower Upper

75 100

53 0.3 91.0 136.6#

89 0.1 39.4 59.2#

