

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
 Data File : VW032193.D
 Acq On : 18 Sep 2025 10:26
 Operator : SY/MD
 Sample : VW0918SBL01
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBL01

Quant Time: Sep 19 04:31:09 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)

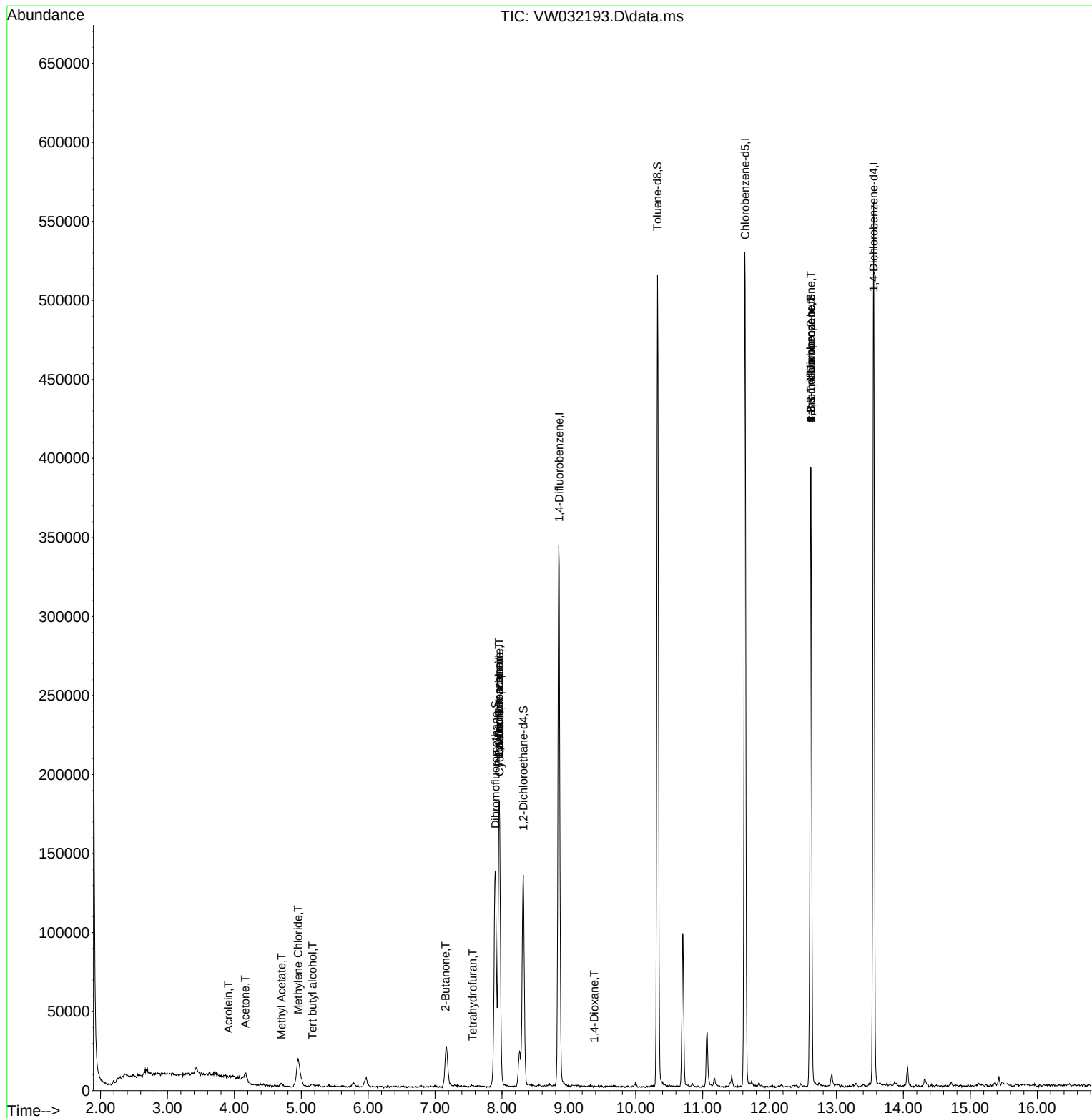
Internal Standards						
1) Pentafluorobenzene	7.953	168	121255	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.855	114	279462	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	279101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	135377	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	111024	64.024	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 128.040%			
35) Dibromofluoromethane	7.904	113	100835	51.428	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 102.860%			
50) Toluene-d8	10.325	98	332408	48.294	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 96.580%			
62) 4-Bromofluorobenzene	12.617	95	122572	48.158	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.320%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.167	59	204	1.923	ug/l #	69
13) Acrolein	3.911	56	166	1.018	ug/l #	80
16) Acetone	4.161	43	6147	16.368	ug/l	98
18) Methyl Acetate	4.704	43	2159	1.804	ug/l #	75
20) Methylene Chloride	4.954	84	15536	6.699	ug/l	98
25) 2-Butanone	7.154	43	1684	3.164	ug/l #	78
29) Tetrahydrofuran	7.563	42	576	1.703	ug/l #	46
31) Cyclohexane	7.965	56	3943	1.852	ug/l #	49
36) 1,1-Dichloropropene	7.959	75	12422	4.886	ug/l #	52
38) Carbon Tetrachloride	7.959	117	14956	5.488	ug/l #	17
49) 1,4-Dioxane	9.380	88	43	2.679	ug/l #	1
76) 1,2,3-Trichloropropane	12.617	75	69856	41.189	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	69856	110.899	ug/l #	5

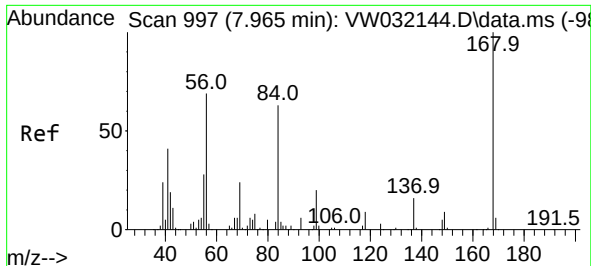
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091825\
Data File : VW032193.D
Acq On : 18 Sep 2025 10:26
Operator : SY/MD
Sample : VW0918SBL01
Misc : 5.00g/5mL/MSVOA_W/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL01

Quant Time: Sep 19 04:31:09 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

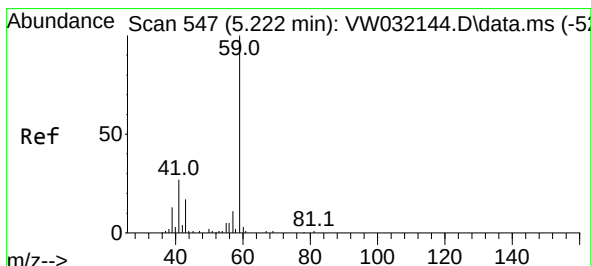
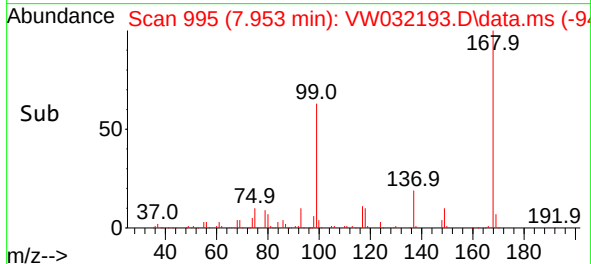
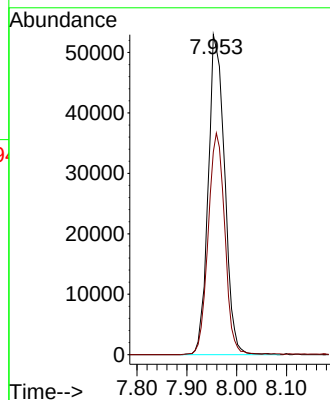
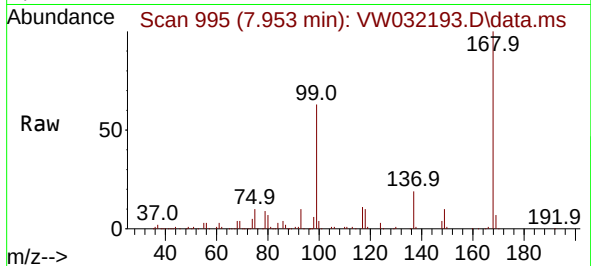




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.953 min Scan# 99
Delta R.T. -0.012 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

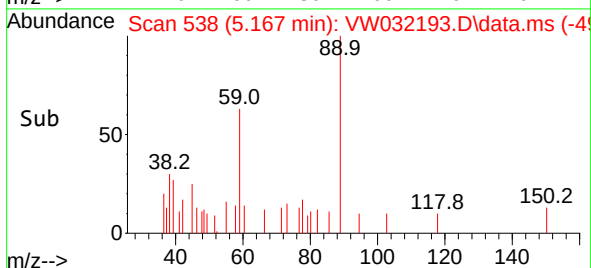
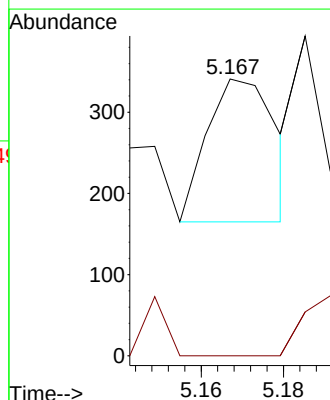
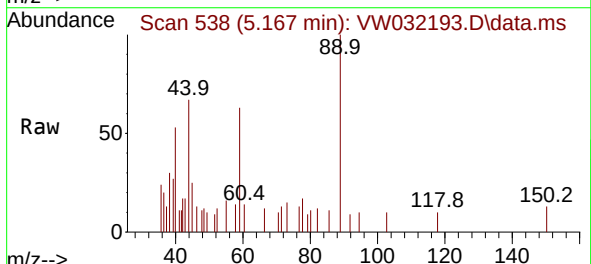
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL01

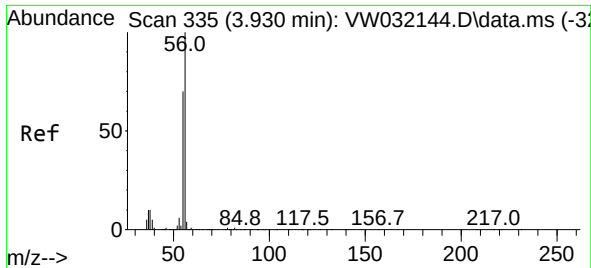
Tgt Ion:168 Resp: 121255
Ion Ratio Lower Upper
168 100
99 63.3 49.3 73.9



#11
Tert butyl alcohol
Concen: 1.923 ug/l
RT: 5.167 min Scan# 538
Delta R.T. -0.055 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

Tgt Ion: 59 Resp: 204
Ion Ratio Lower Upper
59 100
57 0.0 9.8 14.6#





#13

Acrolein

Concen: 1.018 ug/l

RT: 3.911 min Scan# 31

Delta R.T. -0.018 min

Lab File: VW032193.D

Acq: 18 Sep 2025 10:26

Instrument :

MSVOA_W

ClientSampleId :

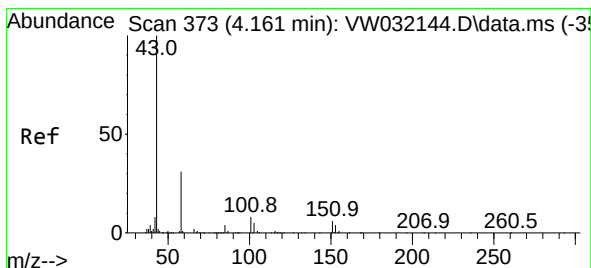
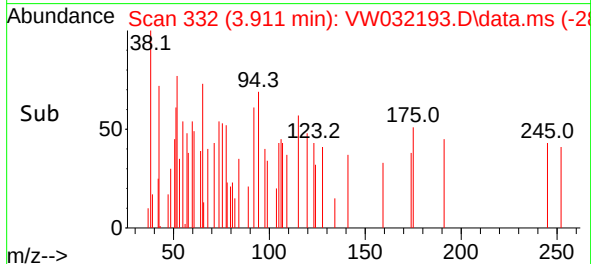
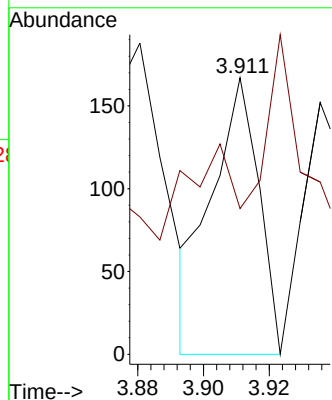
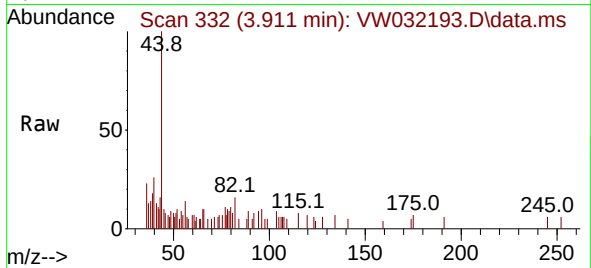
VW0918SBL01

Tgt Ion: 56 Resp: 166

Ion Ratio Lower Upper

56 100

55 86.7 56.4 84.6#



#16

Acetone

Concen: 16.368 ug/l

RT: 4.161 min Scan# 373

Delta R.T. -0.000 min

Lab File: VW032193.D

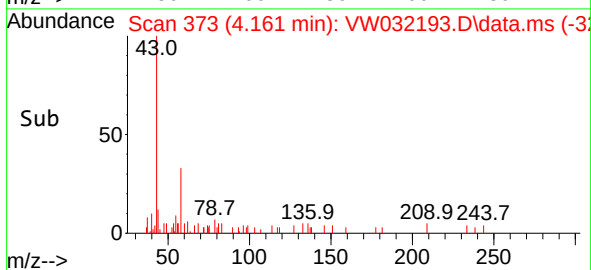
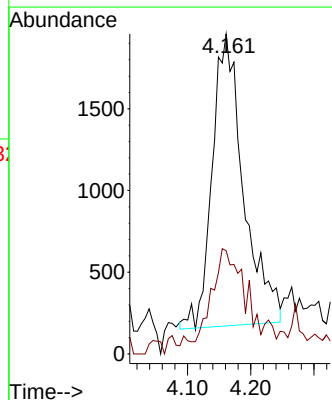
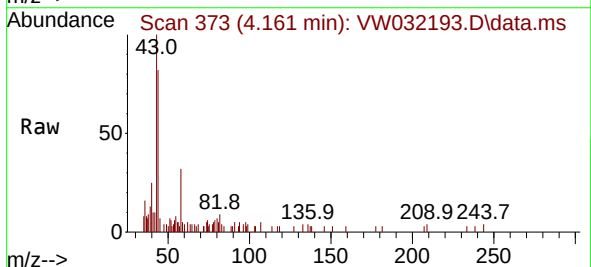
Acq: 18 Sep 2025 10:26

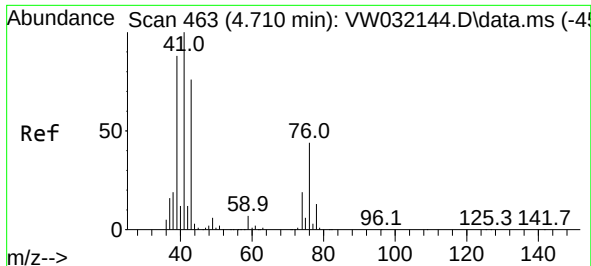
Tgt Ion: 43 Resp: 6147

Ion Ratio Lower Upper

43 100

58 33.0 25.3 37.9

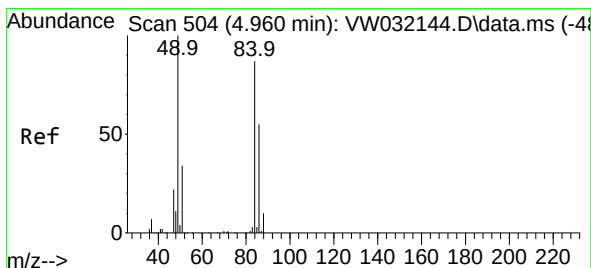
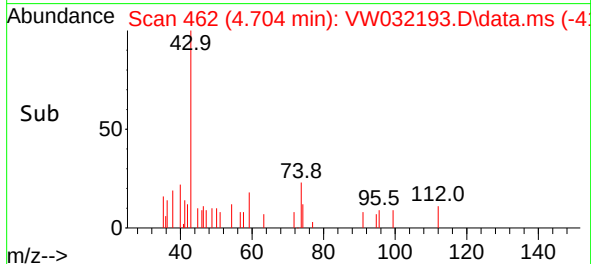
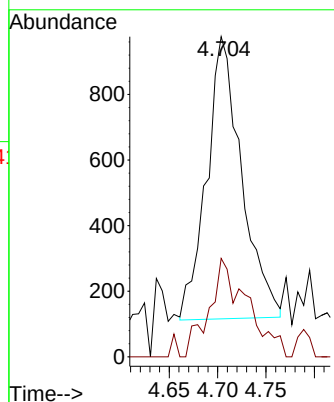
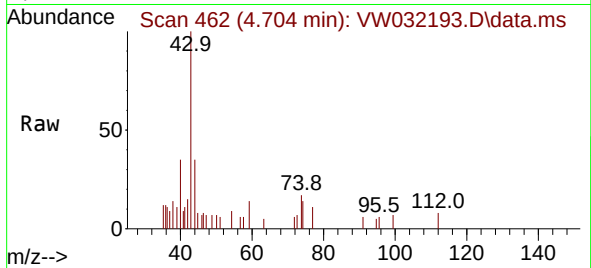




#18
Methyl Acetate
Concen: 1.804 ug/l
RT: 4.704 min Scan# 41
Delta R.T. -0.006 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

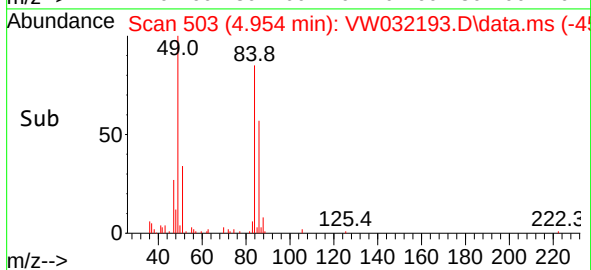
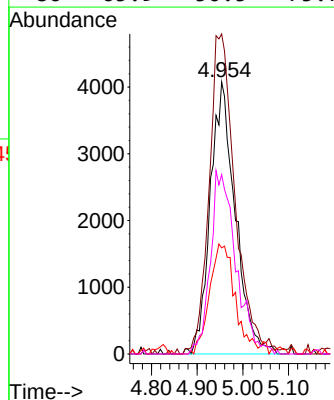
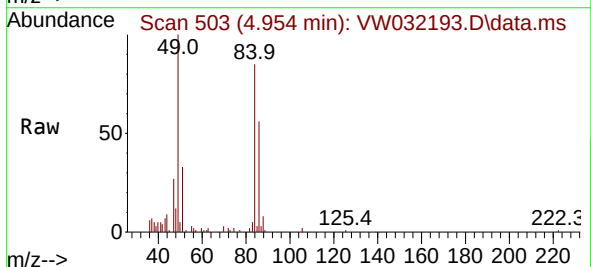
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL01

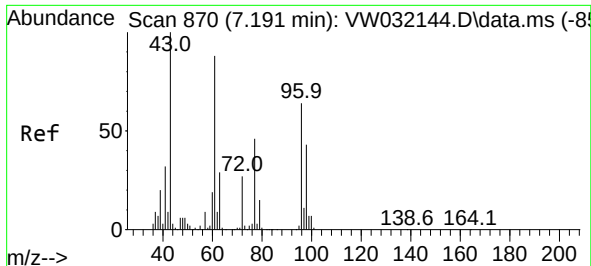
Tgt Ion: 43 Resp: 2159
Ion Ratio Lower Upper
43 100
74 38.0 20.2 30.4#



#20
Methylene Chloride
Concen: 6.699 ug/l
RT: 4.954 min Scan# 503
Delta R.T. -0.006 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

Tgt Ion: 84 Resp: 15536
Ion Ratio Lower Upper
84 100
49 117.7 92.2 138.4
51 39.0 31.0 46.6
86 65.9 50.5 75.7

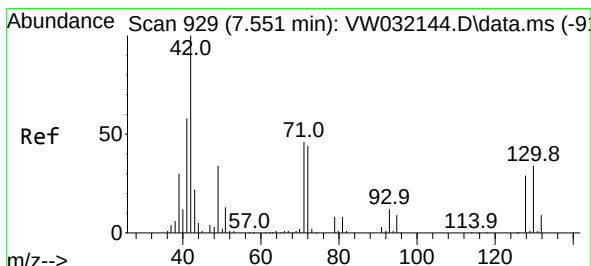
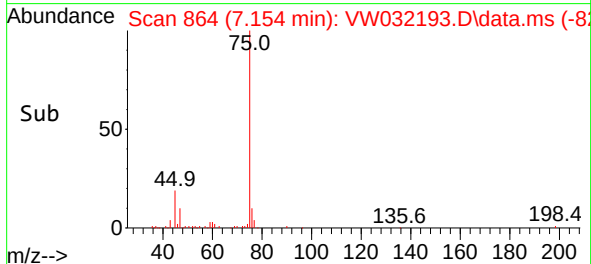
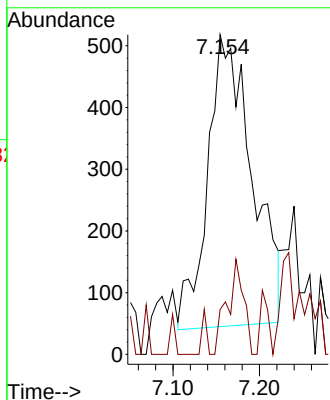
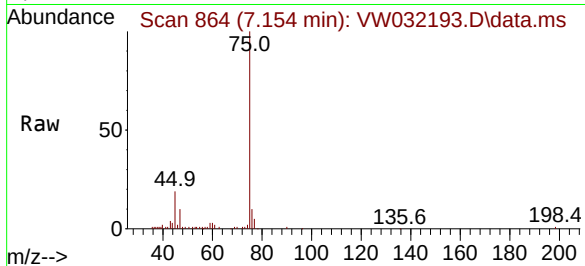




#25
2-Butanone
Concen: 3.164 ug/l
RT: 7.154 min Scan# 864
Delta R.T. -0.037 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

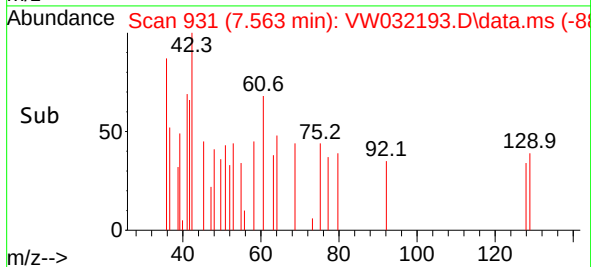
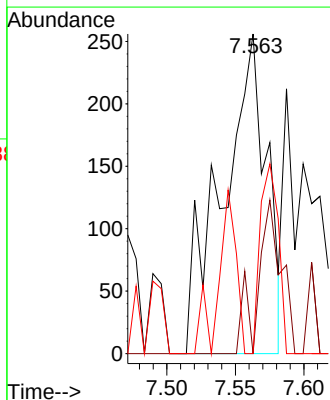
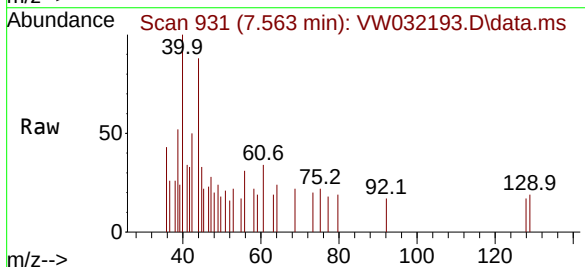
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL01

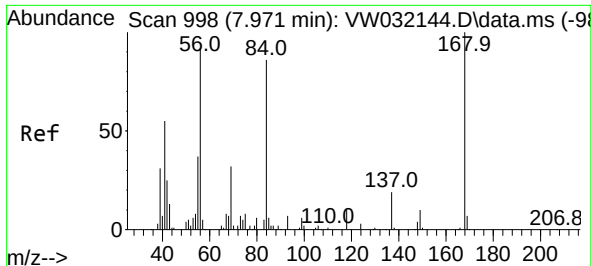
Tgt Ion: 43 Resp: 1684
Ion Ratio Lower Upper
43 100
72 15.7 21.4 32.2#



#29
Tetrahydrofuran
Concen: 1.703 ug/l
RT: 7.563 min Scan# 931
Delta R.T. 0.012 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

Tgt Ion: 42 Resp: 576
Ion Ratio Lower Upper
42 100
72 0.0 37.4 56.2#
71 20.8 36.0 54.0#

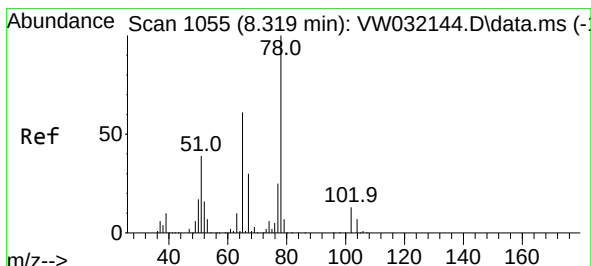
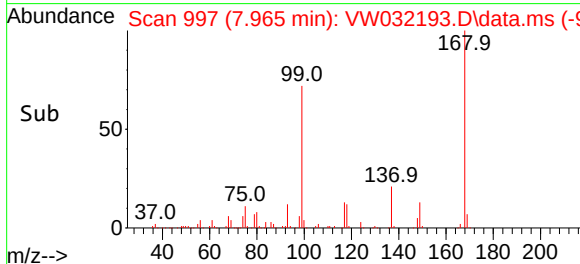
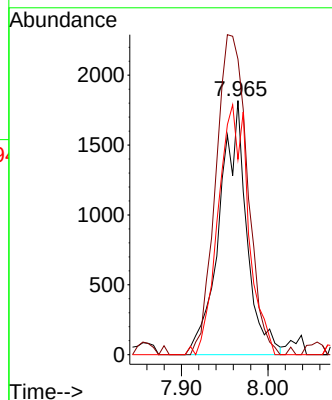
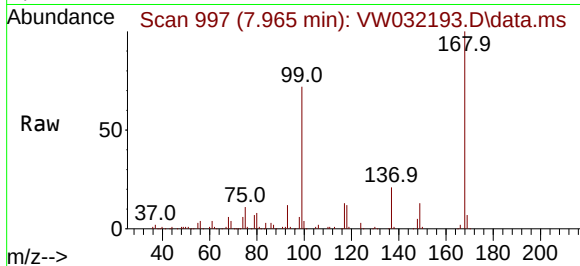




#31
Cyclohexane
Concen: 1.852 ug/l
RT: 7.965 min Scan# 998
Delta R.T. -0.006 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

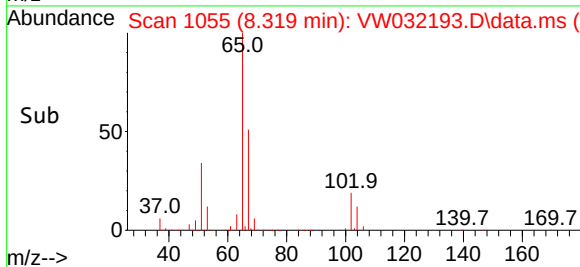
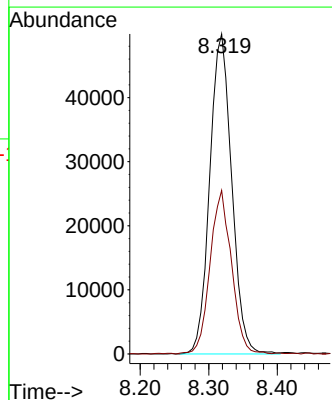
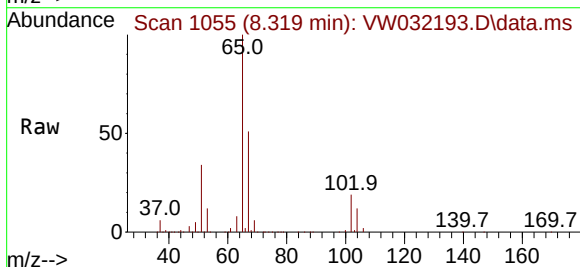
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL01

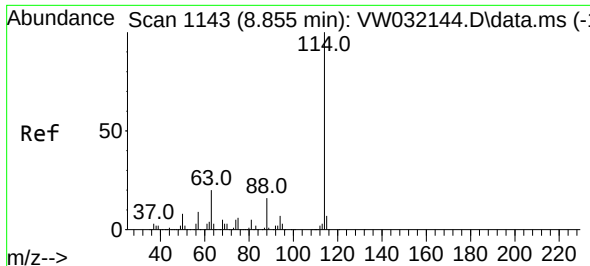
Tgt Ion: 56 Resp: 3943
Ion Ratio Lower Upper
56 100
69 116.3 27.7 41.5#
84 76.9 74.6 112.0



#33
1,2-Dichloroethane-d4
Concen: 64.024 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

Tgt Ion: 65 Resp: 111024
Ion Ratio Lower Upper
65 100
67 49.9 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: VW032193.D

Acq: 18 Sep 2025 10:26

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL01

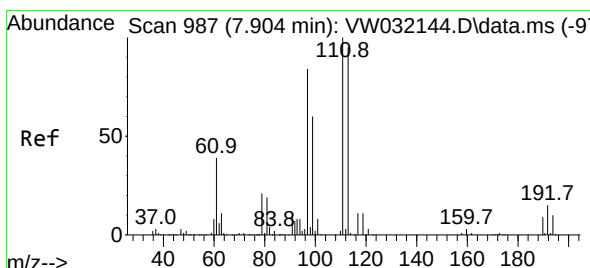
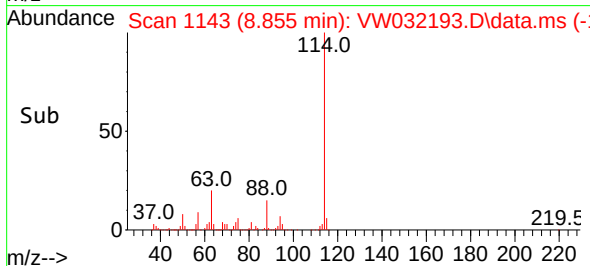
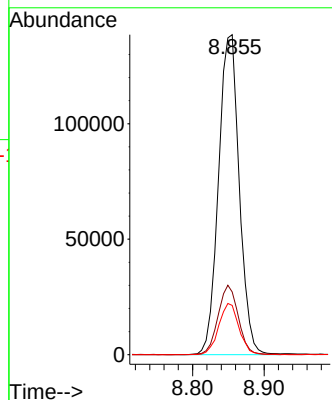
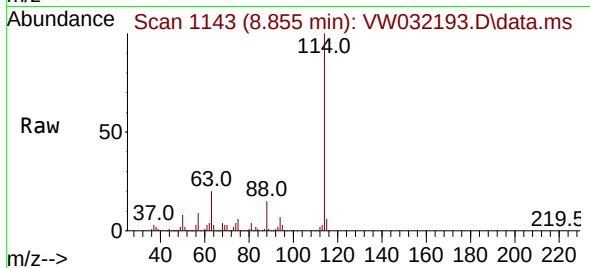
Tgt Ion:114 Resp: 279462

Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.4

88 15.4 0.0 32.0



#35

Dibromofluoromethane

Concen: 51.428 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW032193.D

Acq: 18 Sep 2025 10:26

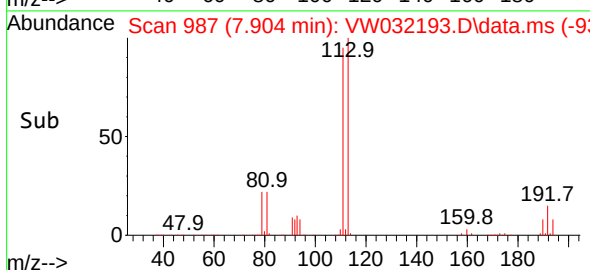
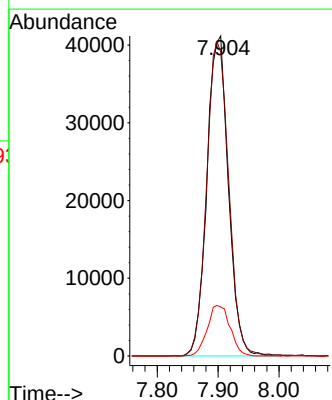
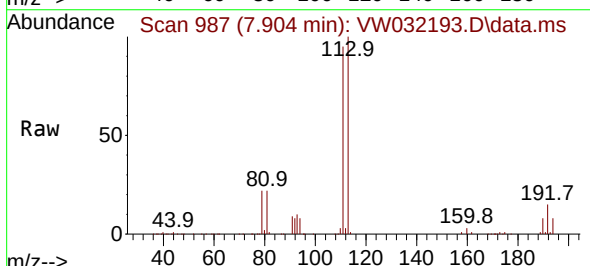
Tgt Ion:113 Resp: 100835

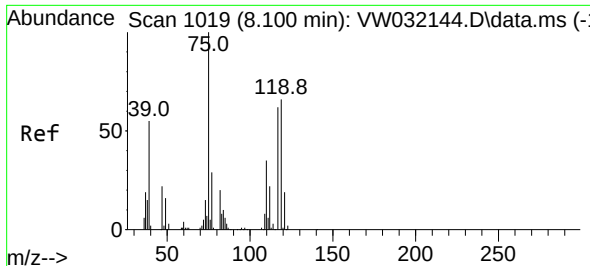
Ion Ratio Lower Upper

113 100

111 100.9 83.9 125.9

192 16.8 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.886 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.140 min

Lab File: VW032193.D

Acq: 18 Sep 2025 10:26

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL01

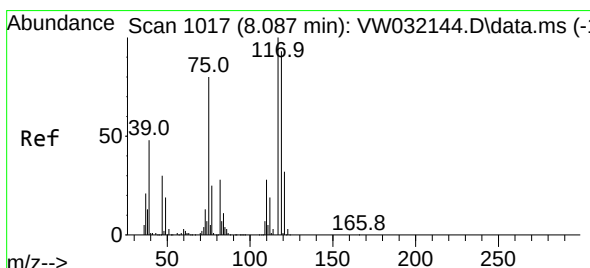
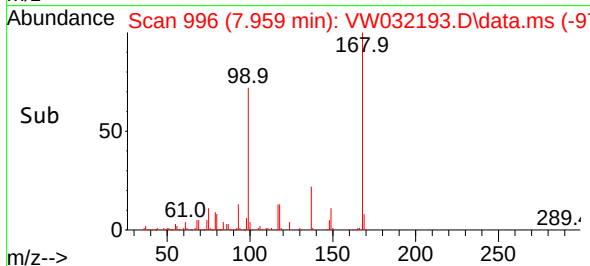
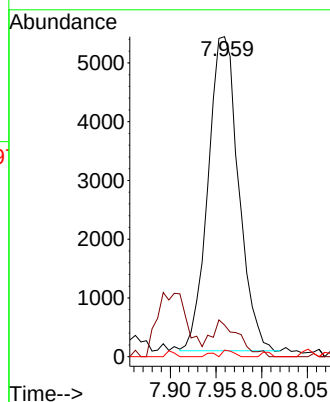
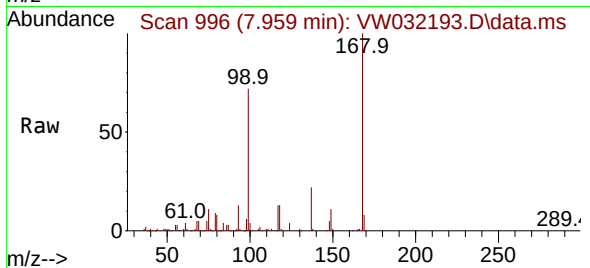
Tgt Ion: 75 Resp: 12422

Ion Ratio Lower Upper

75 100

110 10.3 17.5 52.5#

77 1.1 24.1 36.1#



#38

Carbon Tetrachloride

Concen: 5.488 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

Lab File: VW032193.D

Acq: 18 Sep 2025 10:26

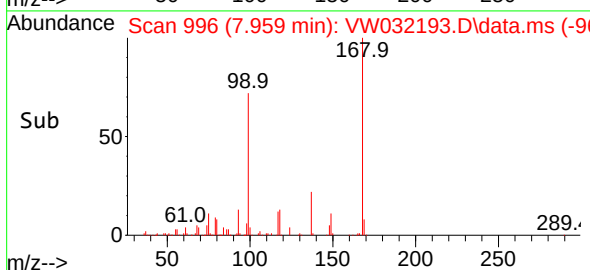
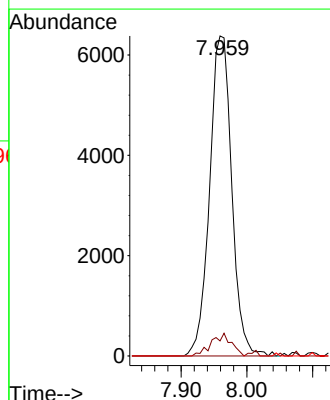
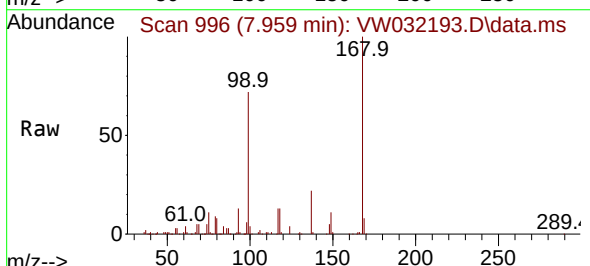
Tgt Ion: 117 Resp: 14956

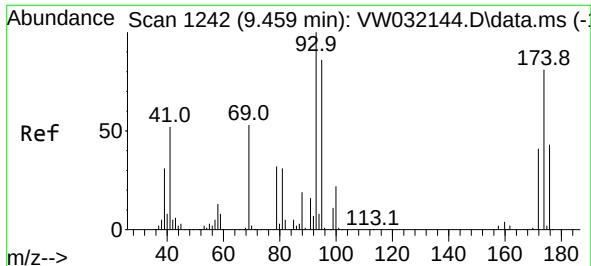
Ion Ratio Lower Upper

117 100

119 4.7 74.2 111.2#

121 0.0 25.6 38.4#





#49

1,4-Dioxane

Concen: 2.679 ug/l

RT: 9.380 min Scan# 1229

Delta R.T. -0.079 min

Lab File: VW032193.D

Acq: 18 Sep 2025 10:26

Instrument :

MSVOA_W

ClientSampleId :

VW0918SBL01

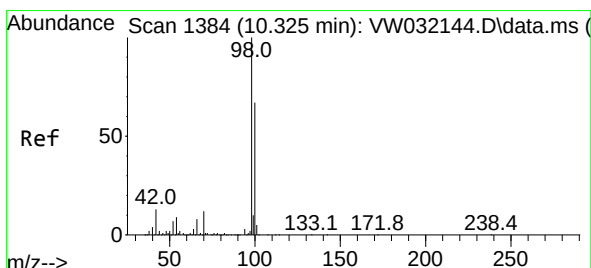
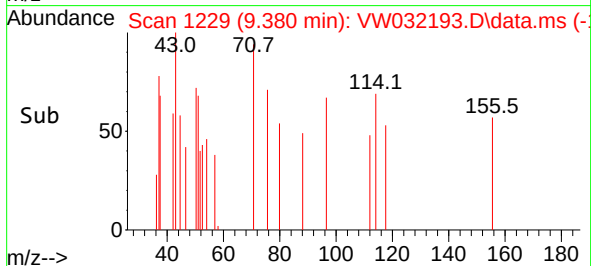
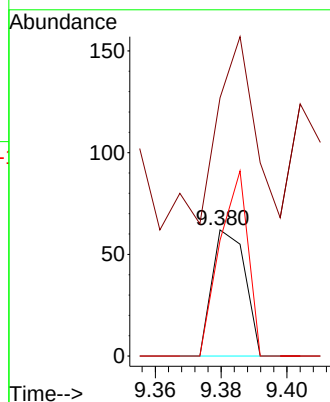
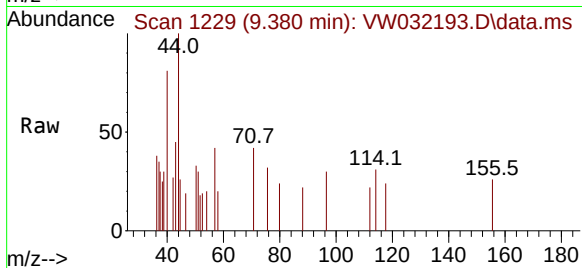
Tgt Ion: 88 Resp: 43

Ion Ratio Lower Upper

88 100

43 165.1 18.0 27.0#

58 125.6 55.4 83.0#



#50

Toluene-d8

Concen: 48.294 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032193.D

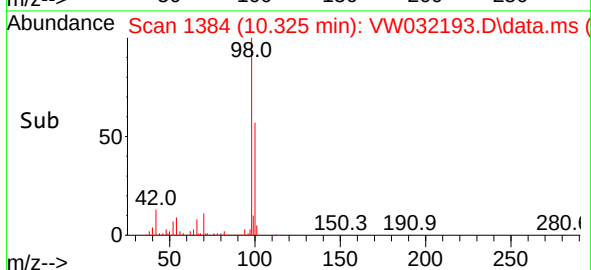
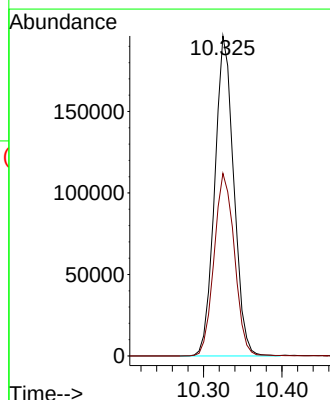
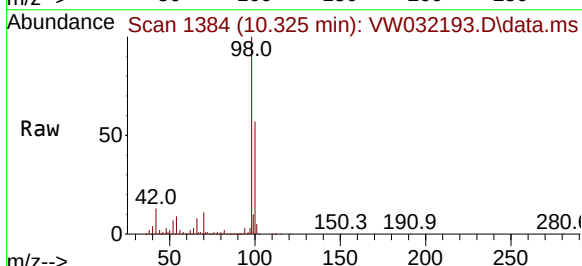
Acq: 18 Sep 2025 10:26

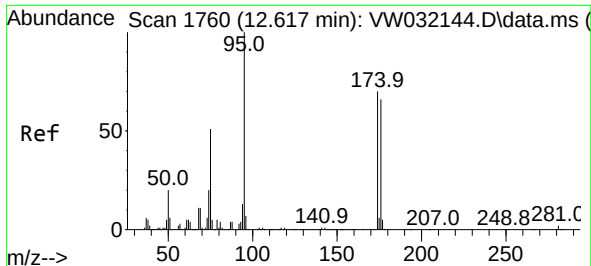
Tgt Ion: 98 Resp: 332408

Ion Ratio Lower Upper

98 100

100 60.8 51.4 77.2

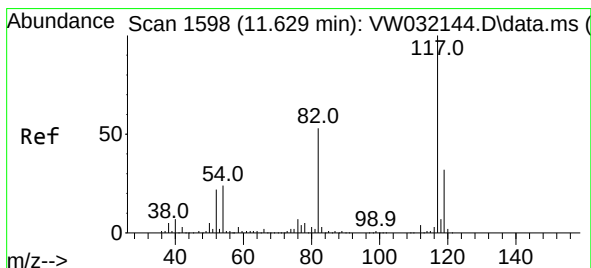
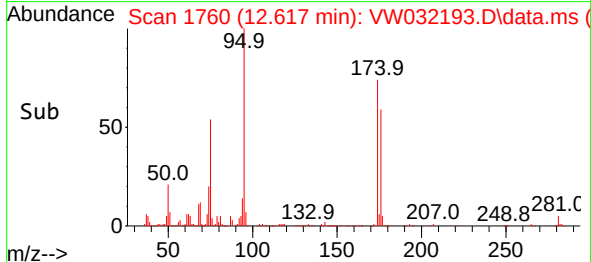
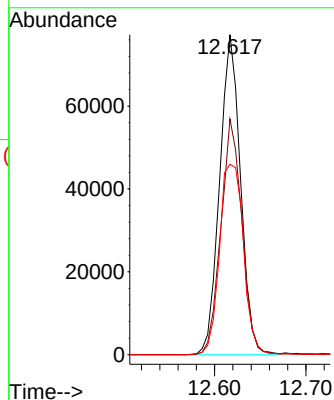
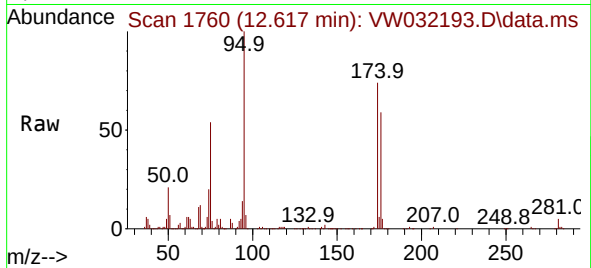




#62
4-Bromofluorobenzene
Concen: 48.158 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

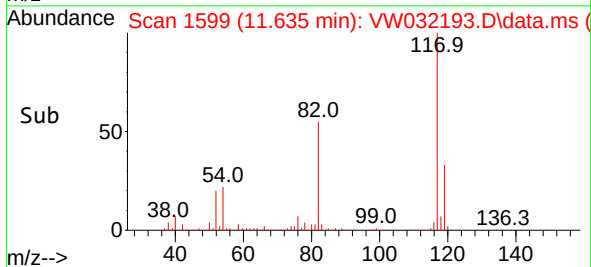
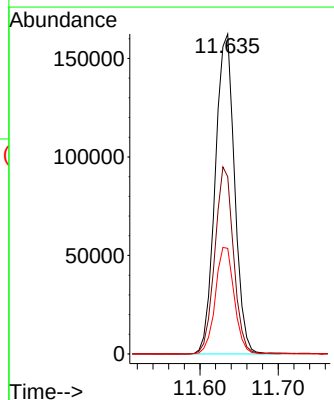
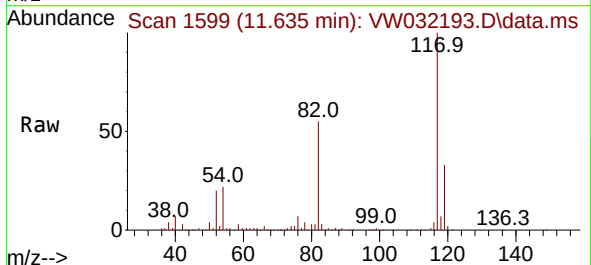
Instrument :
MSVOA_W
ClientSampleId :
VW0918SBL01

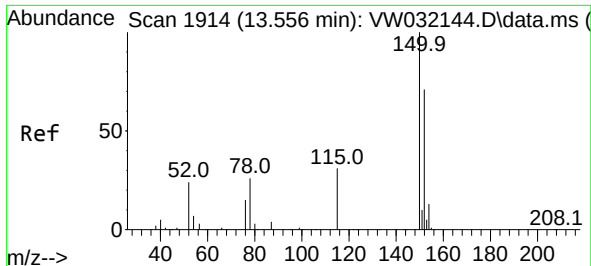
Tgt Ion: 95 Resp: 122572
Ion Ratio Lower Upper
95 100
174 74.3 0.0 145.6
176 68.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW032193.D
Acq: 18 Sep 2025 10:26

Tgt Ion: 117 Resp: 279101
Ion Ratio Lower Upper
117 100
82 55.4 42.7 64.1
119 33.0 25.2 37.8

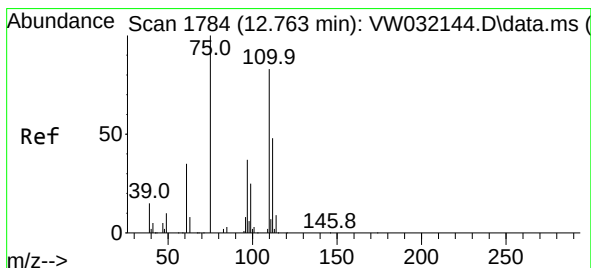
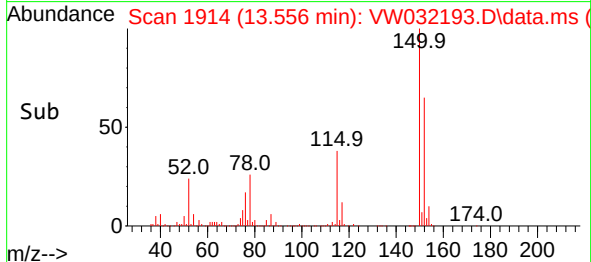
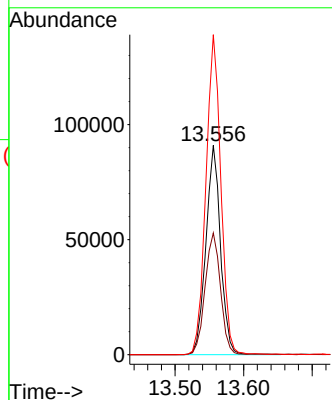
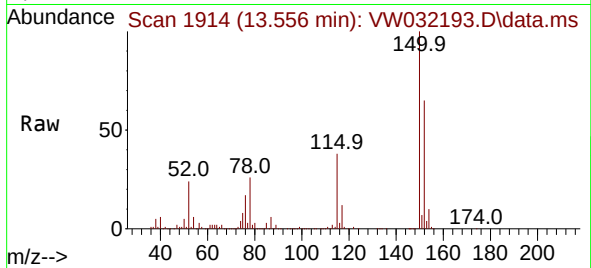




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032193.D
 Acq: 18 Sep 2025 10:26

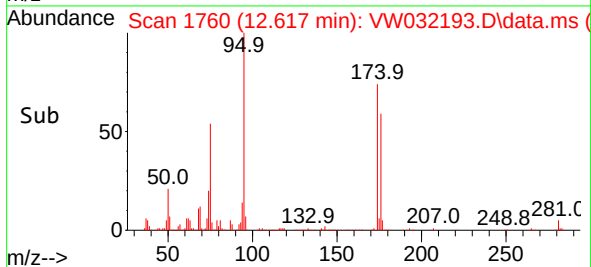
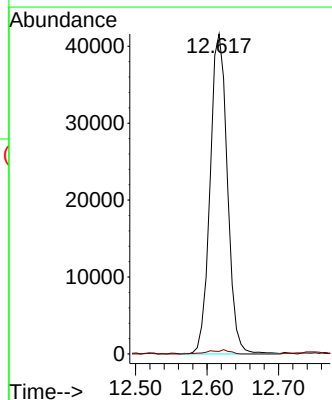
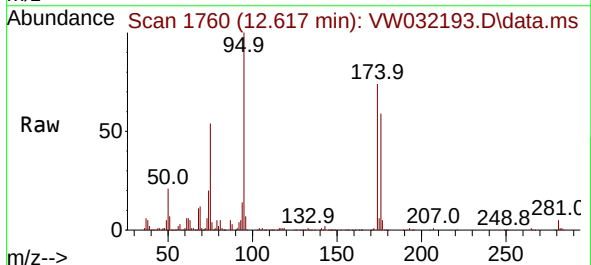
Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBL01

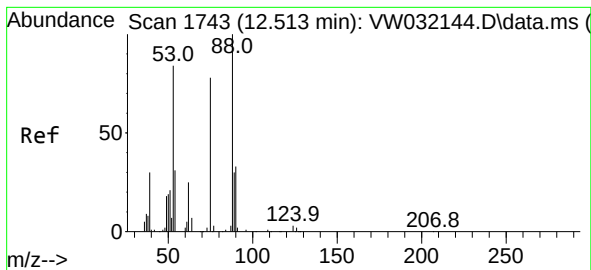
Tgt Ion:152 Resp: 135377
 Ion Ratio Lower Upper
 152 100
 115 61.2 31.8 95.4
 150 155.6 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 41.189 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032193.D
 Acq: 18 Sep 2025 10:26

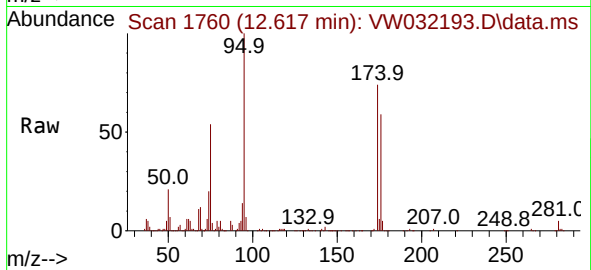
Tgt Ion: 75 Resp: 69856
 Ion Ratio Lower Upper
 75 100
 77 1.6 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.899 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032193.D
 Acq: 18 Sep 2025 10:26

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0918SBL01



Tgt Ion: 75 Resp: 69856
 Ion Ratio Lower Upper
 75 100
 53 0.3 91.0 136.6#
 89 0.1 39.4 59.2#

