

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032170.D
 Acq On : 15 Sep 2025 12:07
 Operator : SY/MD
 Sample : Q3091-08
 Misc : 4.53g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:35:23 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)

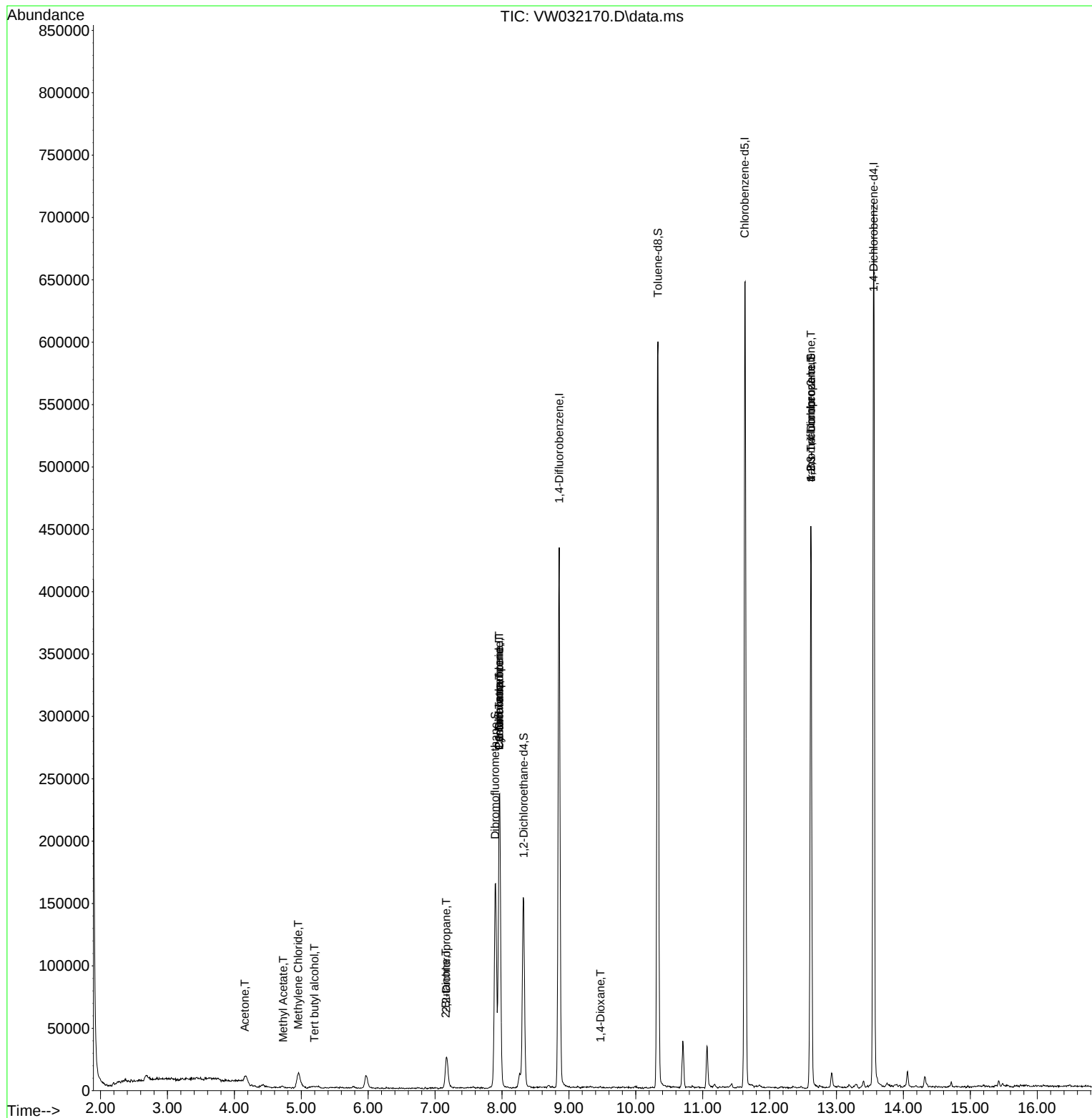
Internal Standards						
1) Pentafluorobenzene	7.959	168	172443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	348029	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	343645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	180068	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.325	65	127894	51.860	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 103.720%			
35) Dibromofluoromethane	7.898	113	117412	48.085	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 96.180%			
50) Toluene-d8	10.331	98	390294	45.533	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 91.060%			
62) 4-Bromofluorobenzene	12.617	95	145113	45.782	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 91.560%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.197	59	314	2.082	ug/l #	46
16) Acetone	4.155	43	2980	5.579	ug/l #	86
18) Methyl Acetate	4.728	43	2247	1.320	ug/l #	89
20) Methylene Chloride	4.954	84	10982	1.395	ug/l	89
25) 2-Butanone	7.161	43	1874	2.476	ug/l #	73
26) 2,2-Dichloropropane	7.167	77	1971	1.009	ug/l #	52
31) Cyclohexane	7.959	56	5009	1.654	ug/l #	60
36) 1,1-Dichloropropene	7.959	75	15850	5.006	ug/l #	51
38) Carbon Tetrachloride	7.959	117	19478	5.739	ug/l #	16
49) 1,4-Dioxane	9.471	88	63	3.151	ug/l #	26
76) 1,2,3-Trichloropropane	12.617	75	78649	34.864	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	78649	93.869	ug/l #	5

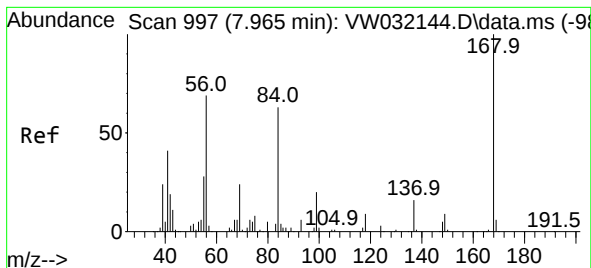
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.006 min

Lab File: VW032170.D

Acq: 15 Sep 2025 12:07

Instrument :

MSVOA_W

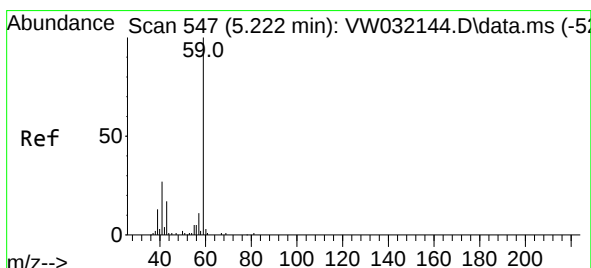
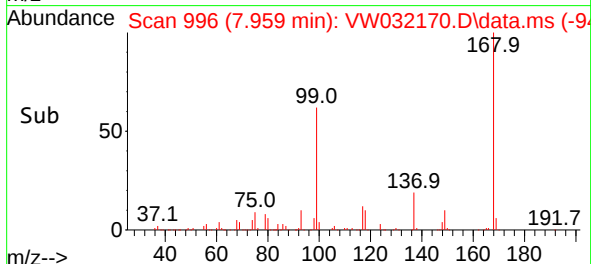
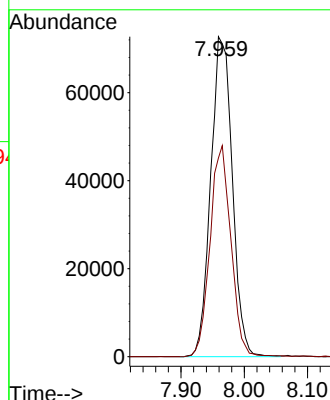
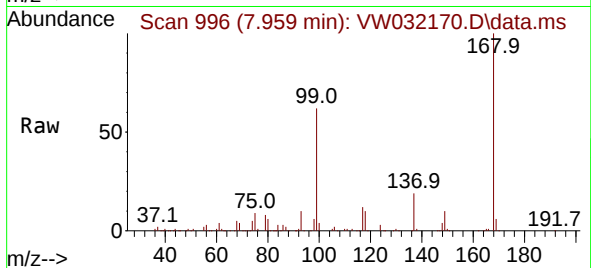
ClientSampleId :

Tgt Ion:168 Resp: 172443

Ion Ratio Lower Upper

168 100

99 62.1 49.3 73.9



#11

Tert butyl alcohol

Concen: 2.082 ug/l

RT: 5.197 min Scan# 543

Delta R.T. -0.025 min

Lab File: VW032170.D

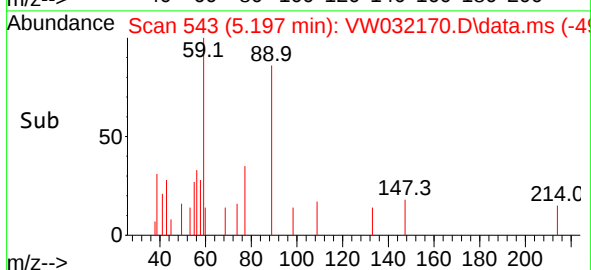
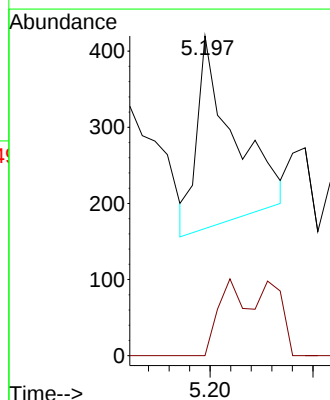
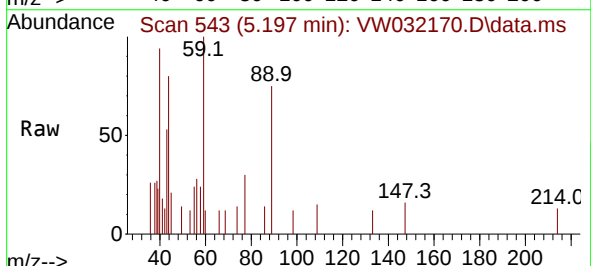
Acq: 15 Sep 2025 12:07

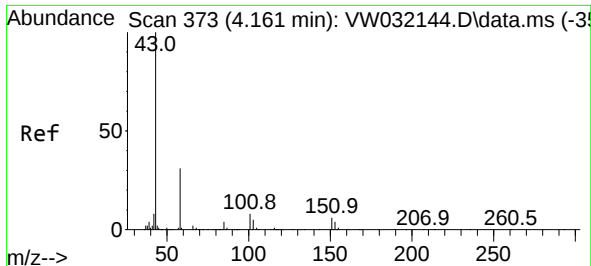
Tgt Ion: 59 Resp: 314

Ion Ratio Lower Upper

59 100

57 33.1 9.8 14.6#

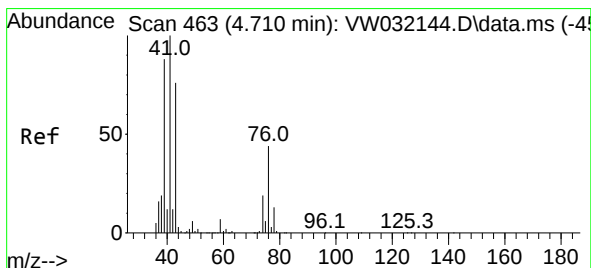
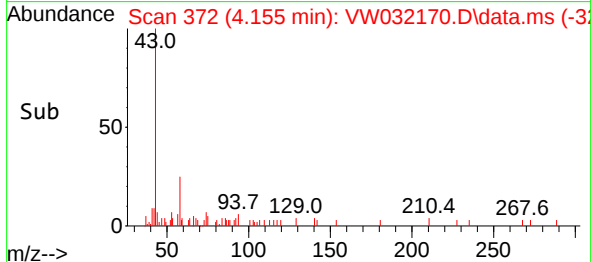
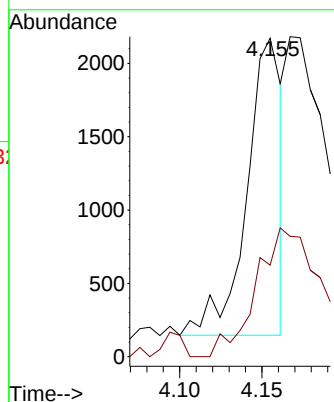
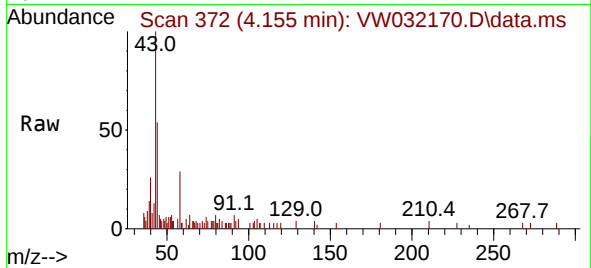




#16
Acetone
Concen: 5.579 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

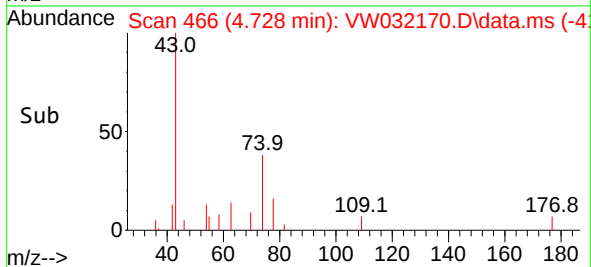
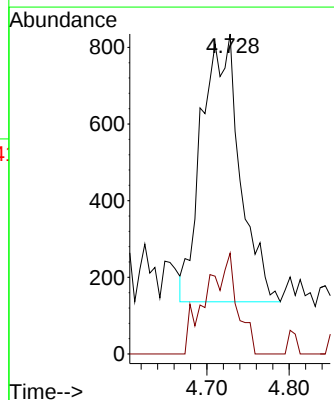
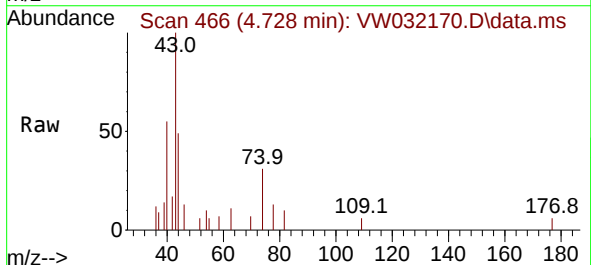
Instrument :
MSVOA_W
ClientSampleId :

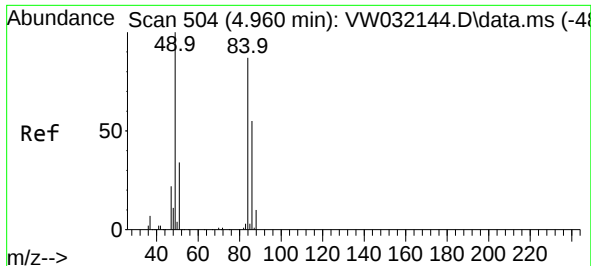
Tgt Ion: 43 Resp: 2980
Ion Ratio Lower Upper
43 100
58 23.6 25.3 37.9#



#18
Methyl Acetate
Concen: 1.320 ug/l
RT: 4.728 min Scan# 466
Delta R.T. 0.018 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

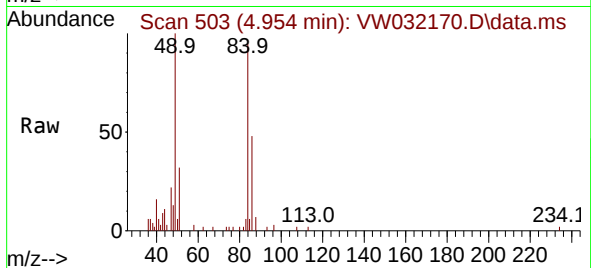
Tgt Ion: 43 Resp: 2247
Ion Ratio Lower Upper
43 100
74 30.8 20.2 30.4#



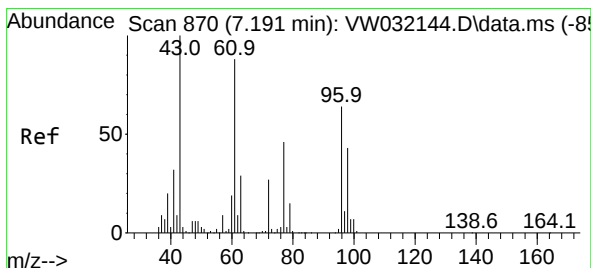
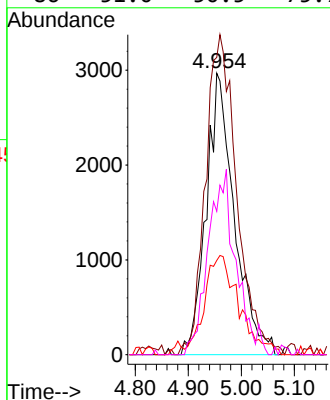
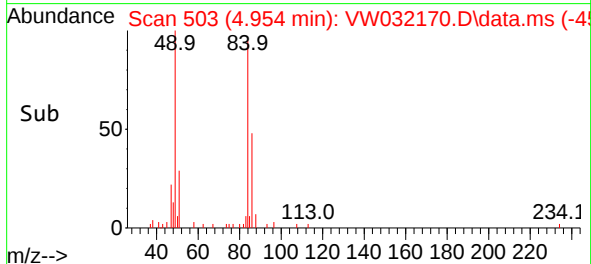


#20
Methylene Chloride
Concen: 1.395 ug/l
RT: 4.954 min Scan# 504
Delta R.T. -0.006 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

Instrument :
MSVOA_W
ClientSampleId :

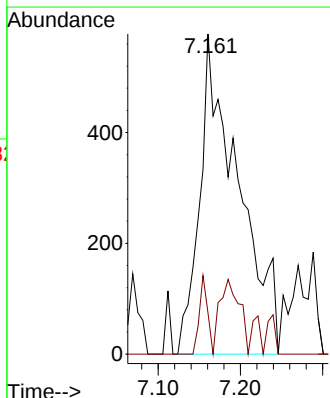
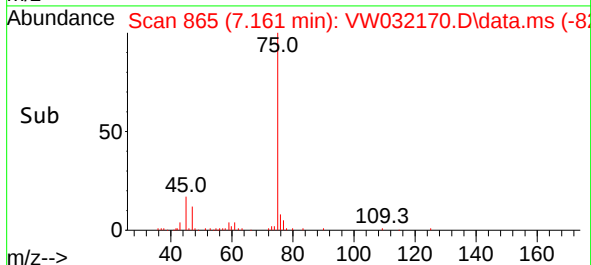
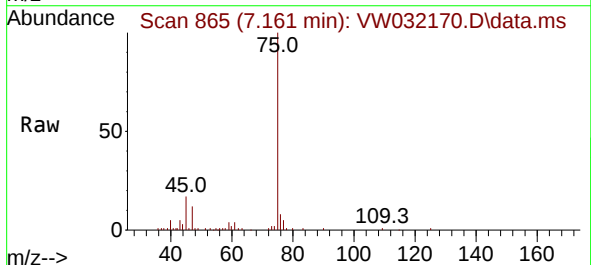


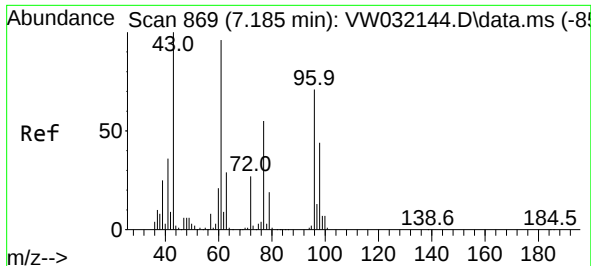
Tgt Ion:	84	Resp:	10982
Ion	Ratio	Lower	Upper
84	100		
49	105.6	92.2	138.4
51	31.4	31.0	46.6
86	51.0	50.5	75.7



#25
2-Butanone
Concen: 2.476 ug/l
RT: 7.161 min Scan# 865
Delta R.T. -0.031 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

Tgt Ion:	43	Resp:	1874
Ion	Ratio	Lower	Upper
43	100		
72	13.0	21.4	32.2#

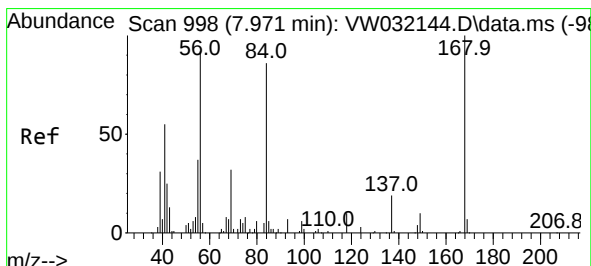
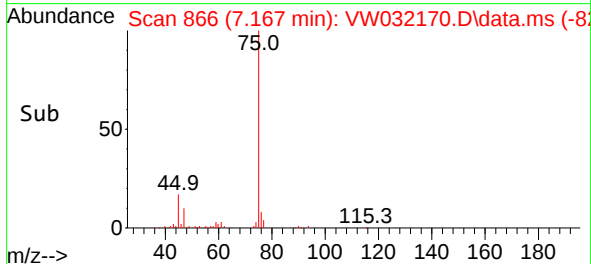
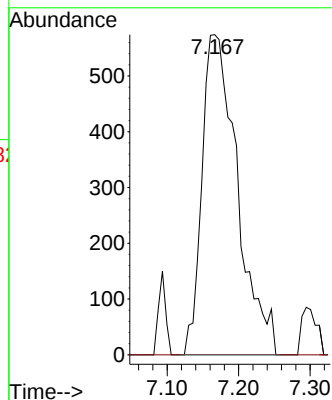
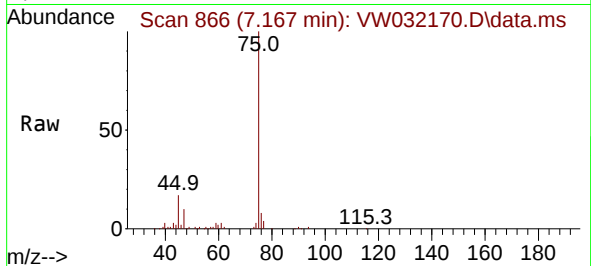




#26
2,2-Dichloropropane
Concen: 1.009 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

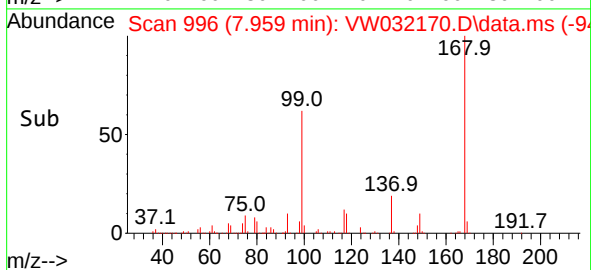
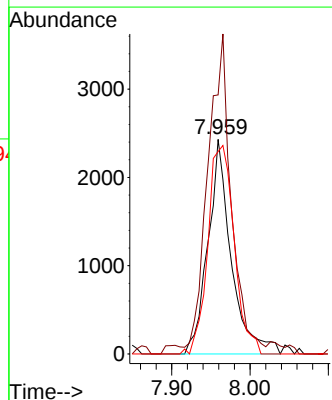
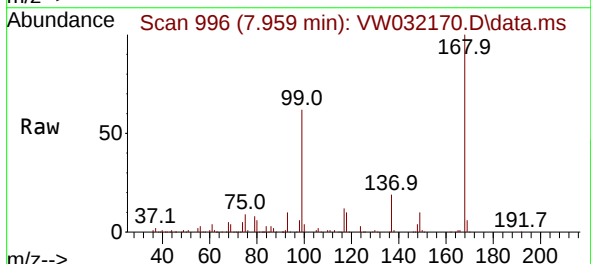
Instrument :
MSVOA_W
ClientSampleId :

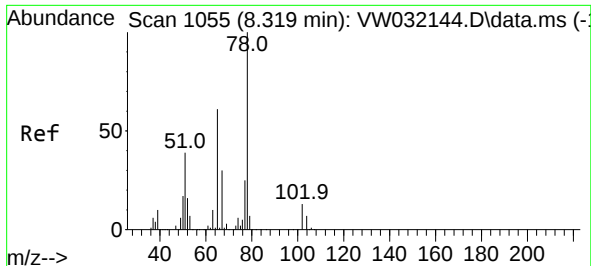
Tgt Ion: 77 Resp: 1971
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.654 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

Tgt Ion: 56 Resp: 5009
Ion Ratio Lower Upper
56 100
69 117.4 27.7 41.5#
84 94.3 74.6 112.0

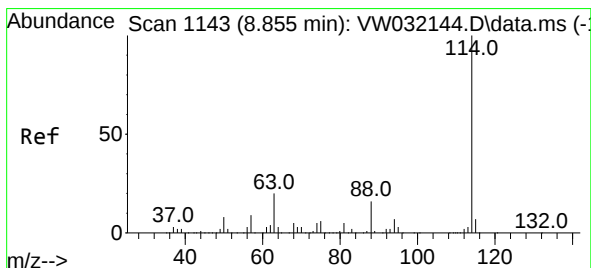
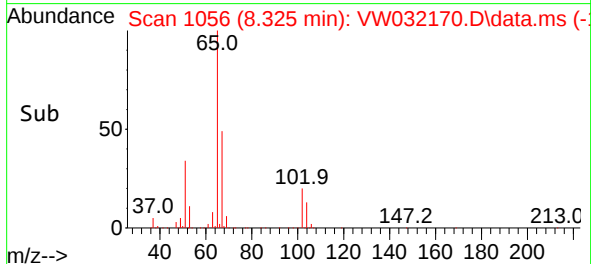
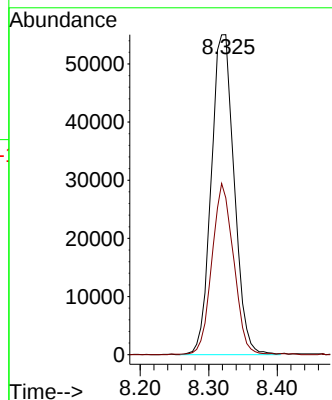
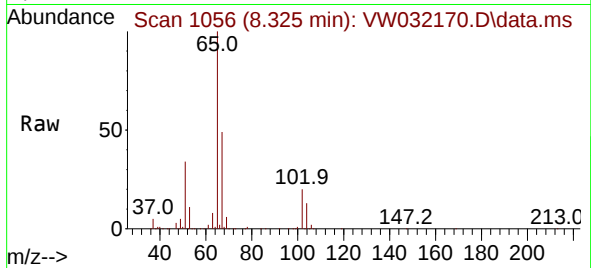




#33
 1,2-Dichloroethane-d4
 Concen: 51.860 ug/l
 RT: 8.325 min Scan# 1055
 Delta R.T. 0.006 min
 Lab File: VW032170.D
 Acq: 15 Sep 2025 12:07

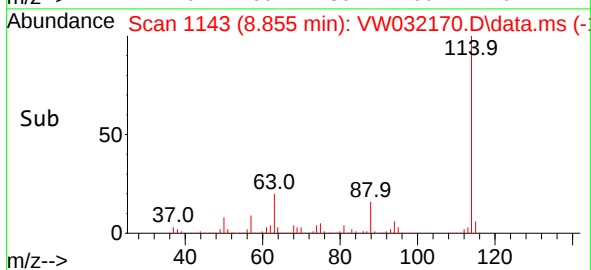
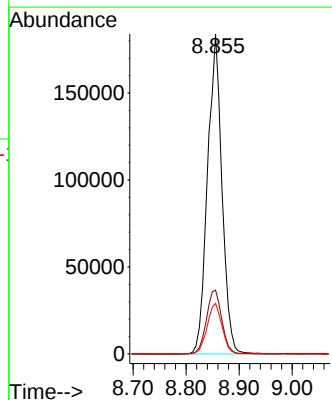
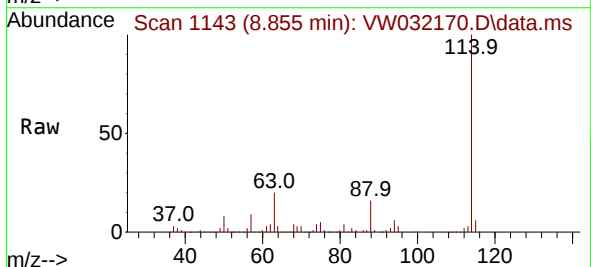
Instrument :
 MSVOA_W
 ClientSampleId :

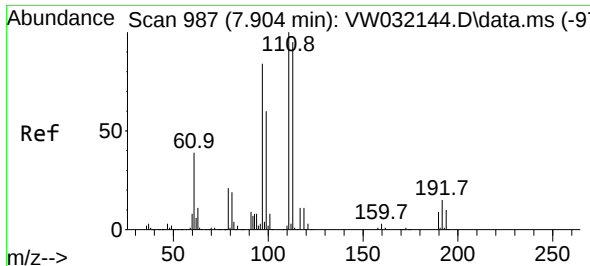
Tgt Ion: 65 Resp: 127894
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VW032170.D
 Acq: 15 Sep 2025 12:07

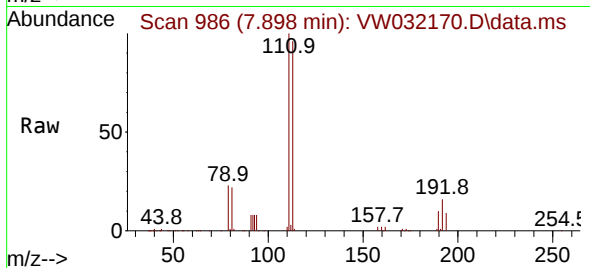
Tgt Ion: 114 Resp: 348029
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 40.4
 88 15.8 0.0 32.0



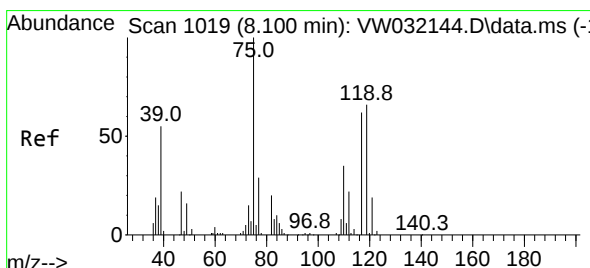
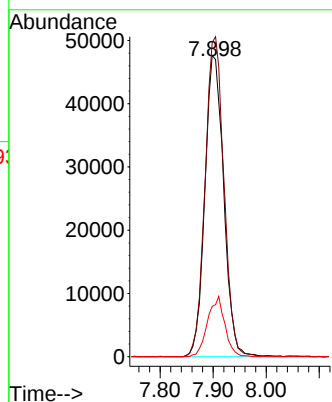
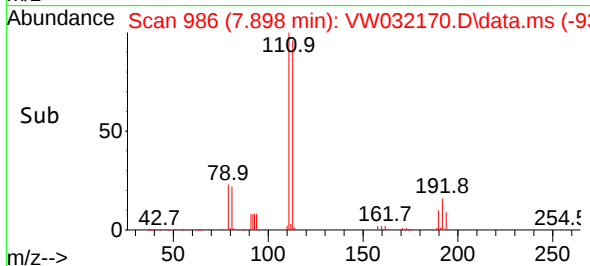


#35
 Dibromofluoromethane
 Concen: 48.085 ug/l
 RT: 7.898 min Scan# 991
 Delta R.T. -0.006 min
 Lab File: VW032170.D
 Acq: 15 Sep 2025 12:07

Instrument :
 MSVOA_W
 ClientSampleId :

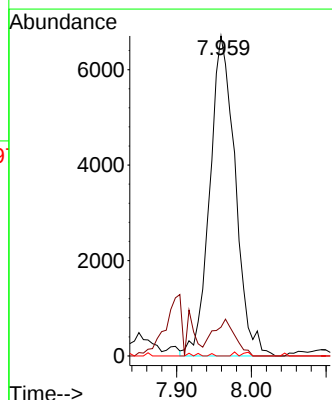
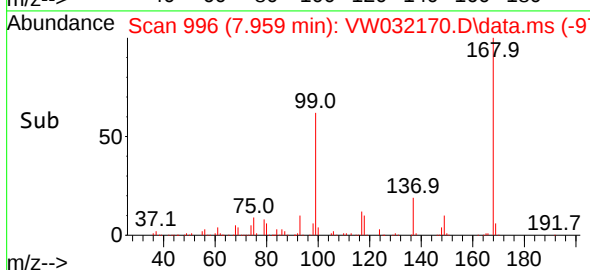
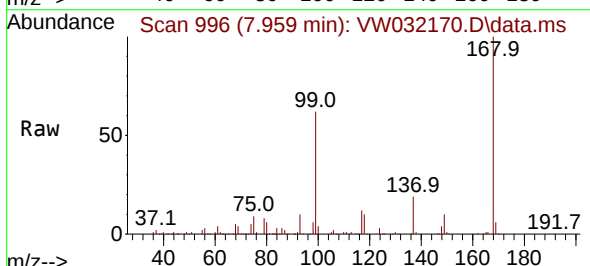


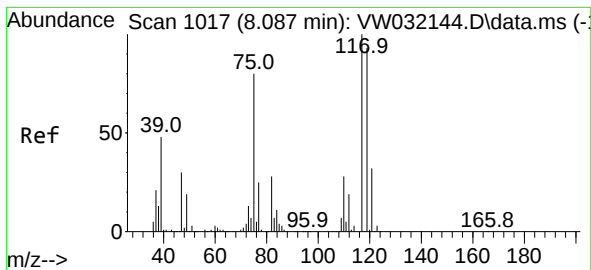
Tgt Ion:113 Resp: 117412
 Ion Ratio Lower Upper
 113 100
 111 105.9 83.9 125.9
 192 18.4 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 5.006 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032170.D
 Acq: 15 Sep 2025 12:07

Tgt Ion: 75 Resp: 15850
 Ion Ratio Lower Upper
 75 100
 110 10.1 17.5 52.5#
 77 0.2 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.739 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

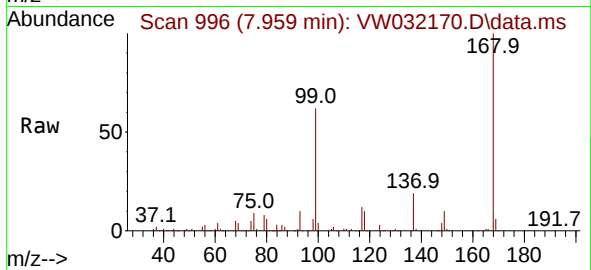
Lab File: VW032170.D

Acq: 15 Sep 2025 12:07

Instrument :

MSVOA_W

ClientSampleId :



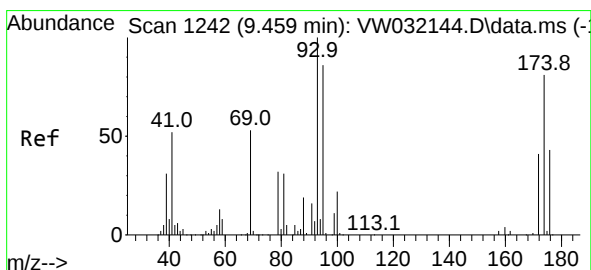
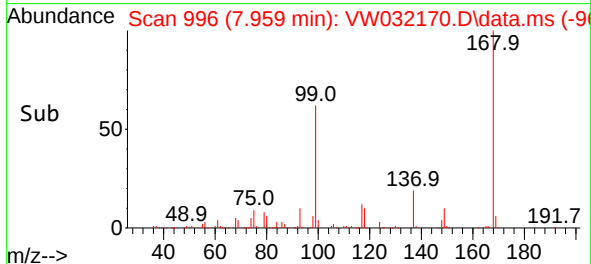
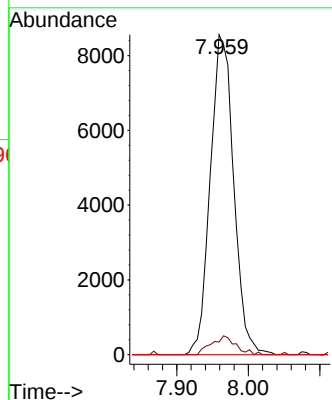
Tgt Ion:117 Resp: 19478

Ion Ratio Lower Upper

117 100

119 3.9 74.2 111.2#

121 0.0 25.6 38.4#



#49

1,4-Dioxane

Concen: 3.151 ug/l

RT: 9.471 min Scan# 1244

Delta R.T. 0.012 min

Lab File: VW032170.D

Acq: 15 Sep 2025 12:07

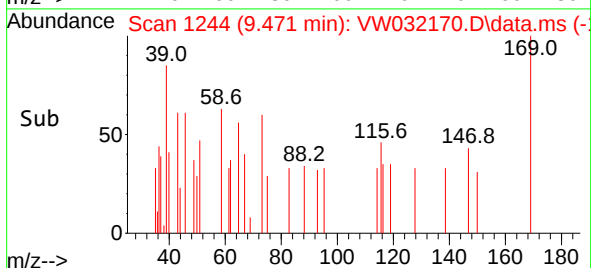
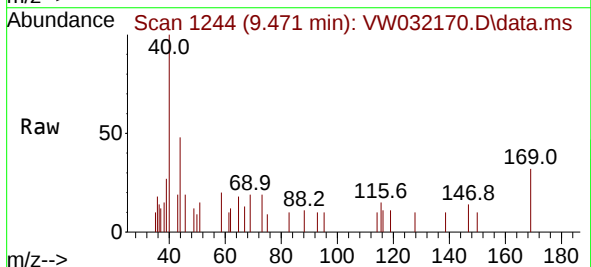
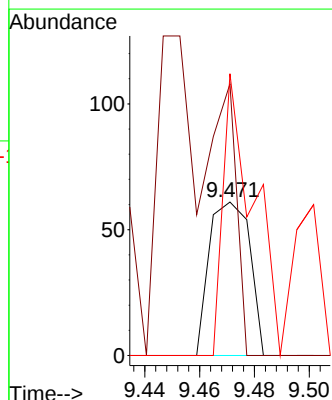
Tgt Ion: 88 Resp: 63

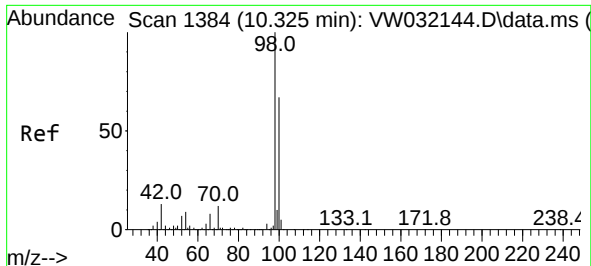
Ion Ratio Lower Upper

88 100

43 0.0 18.0 27.0#

58 136.5 55.4 83.0#

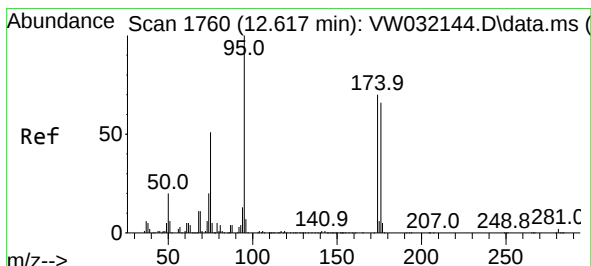
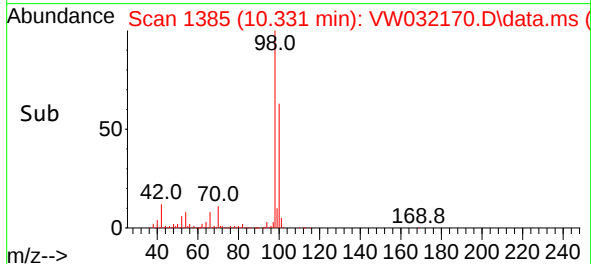
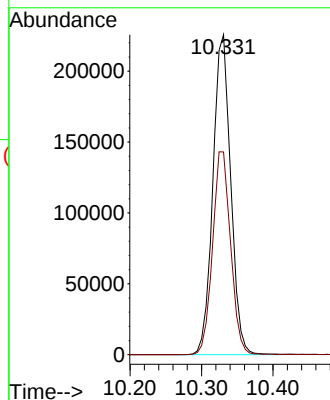
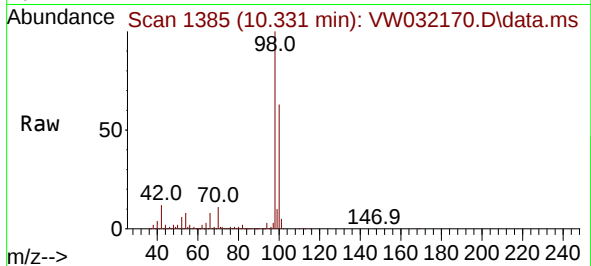




#50
Toluene-d8
Concen: 45.533 ug/l
RT: 10.331 min Scan# 1
Delta R.T. 0.006 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

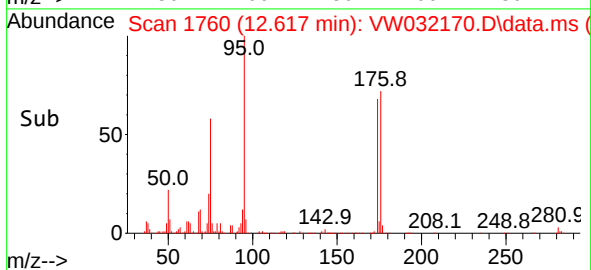
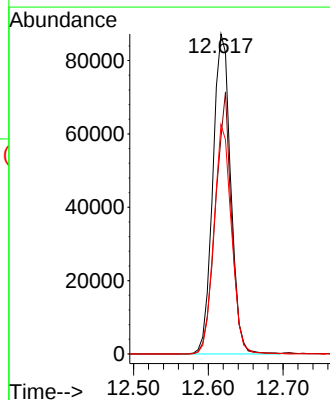
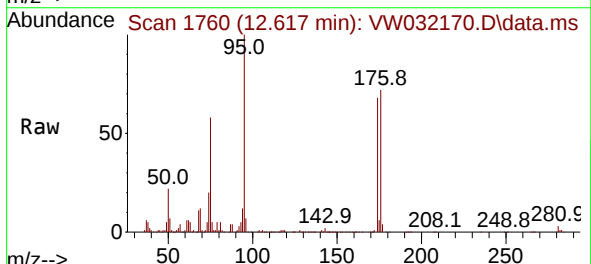
Instrument :
MSVOA_W
ClientSampleId :

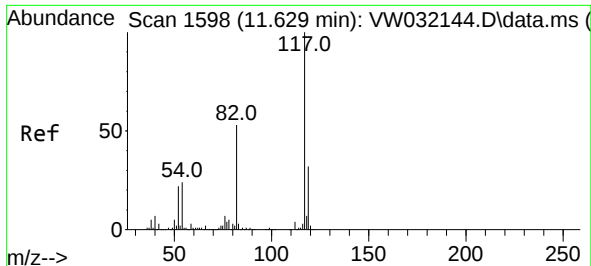
Tgt Ion: 98 Resp: 390294
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 45.782 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

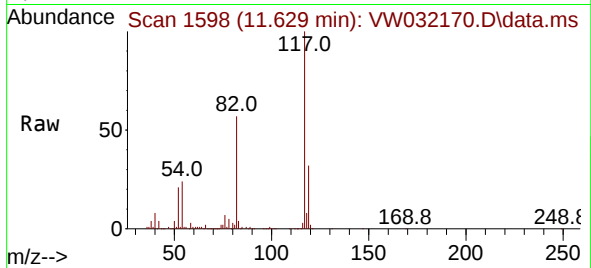
Tgt Ion: 95 Resp: 145113
Ion Ratio Lower Upper
95 100
174 74.2 0.0 145.6
176 70.7 0.0 140.8



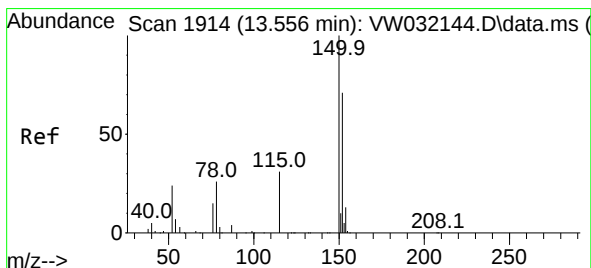
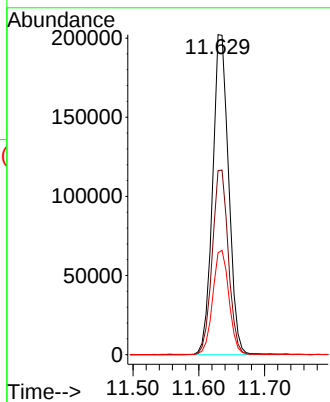
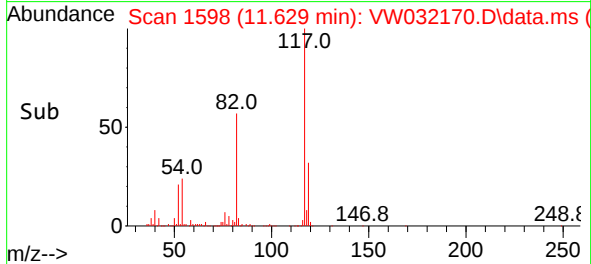


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

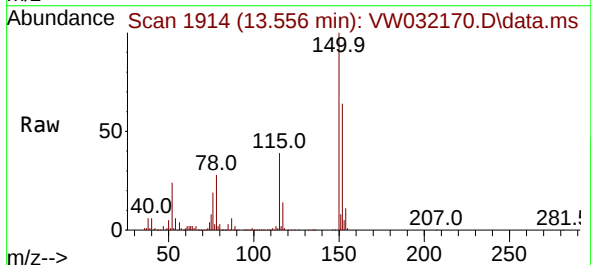
Instrument :
MSVOA_W
ClientSampleId :



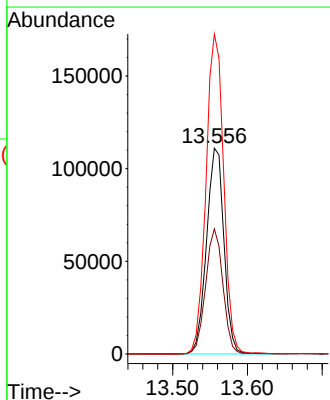
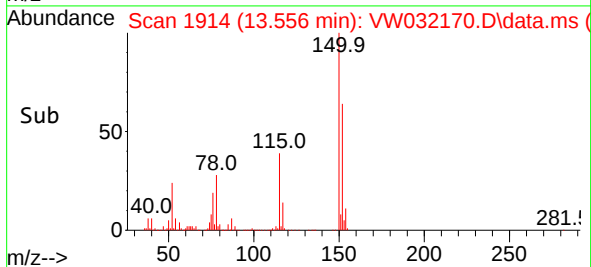
Tgt Ion:117 Resp: 343645
Ion Ratio Lower Upper
117 100
82 57.5 42.7 64.1
119 31.7 25.2 37.8

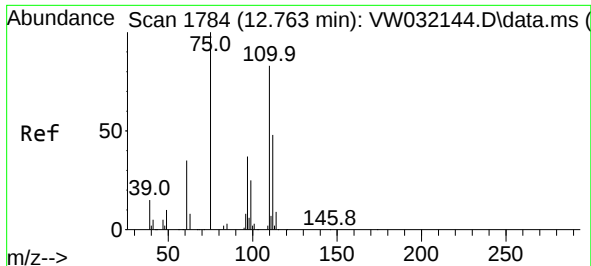


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07



Tgt Ion:152 Resp: 180068
Ion Ratio Lower Upper
152 100
115 60.6 31.8 95.4
150 157.4 0.0 343.0

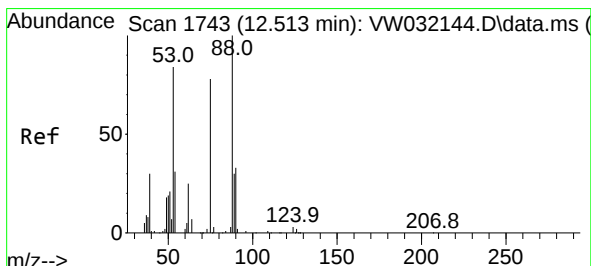
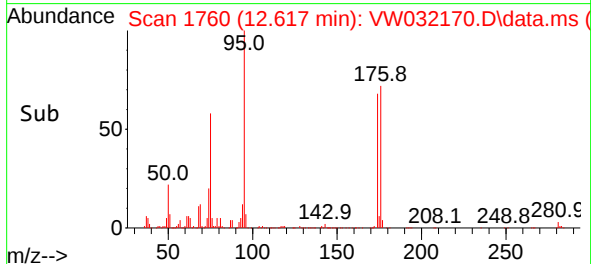
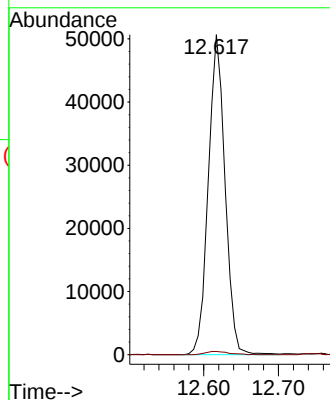
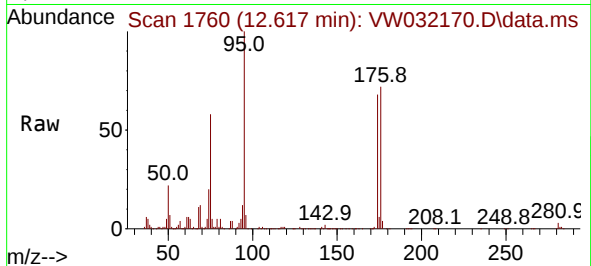




#76
1,2,3-Trichloropropane
Concen: 34.864 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

Instrument :
MSVOA_W
ClientSampleId :

Tgt Ion: 75 Resp: 78649
Ion Ratio Lower Upper
75 100
77 1.4 141.7 425.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.869 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032170.D
Acq: 15 Sep 2025 12:07

Tgt Ion: 75 Resp: 78649
Ion Ratio Lower Upper
75 100
53 0.5 91.0 136.6#
89 0.1 39.4 59.2#

