

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW091525\
 Data File : VW032172.D
 Acq On : 15 Sep 2025 14:33
 Operator : SY/MD
 Sample : Q3091-01
 Misc : 5.12g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :

Quant Time: Sep 16 06:36:15 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)

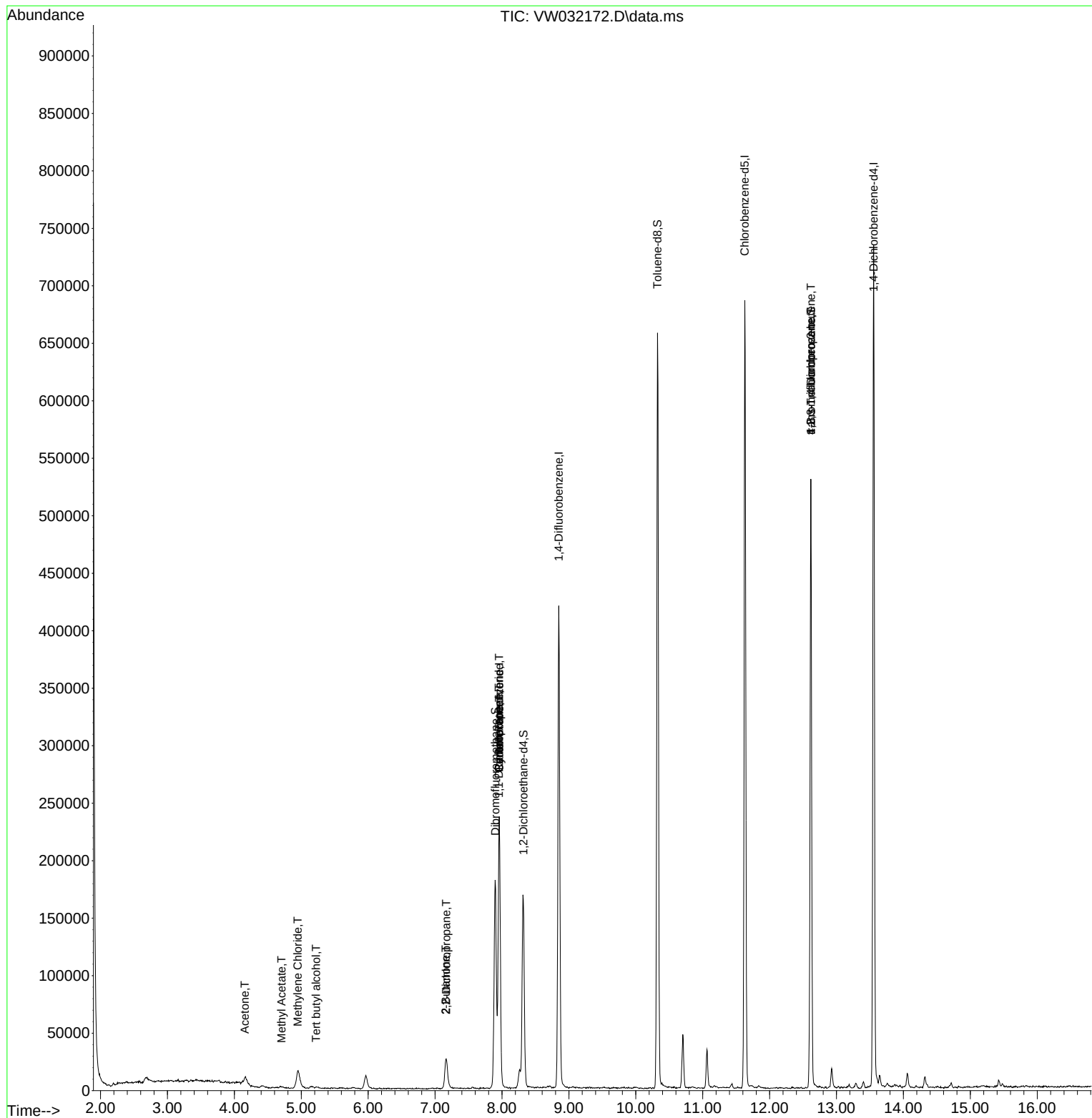
Internal Standards						
1) Pentafluorobenzene	7.959	168	165426	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	341352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	360000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	182611	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142484	60.226	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 120.460%		
35) Dibromofluoromethane	7.898	113	128456	53.637	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 107.280%		
50) Toluene-d8	10.325	98	426025	50.673	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 101.340%		
62) 4-Bromofluorobenzene	12.617	95	162947	52.414	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 104.820%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.222	59	741	5.121	ug/l #	48
16) Acetone	4.155	43	9934	19.388	ug/l #	79
18) Methyl Acetate	4.704	43	2518	1.542	ug/l #	50
20) Methylene Chloride	4.947	84	14132	3.180	ug/l #	90
25) 2-Butanone	7.160	43	1876	2.584	ug/l #	82
26) 2,2-Dichloropropane	7.167	77	2089	1.115	ug/l #	52
31) Cyclohexane	7.959	56	4568	1.573	ug/l #	39
36) 1,1-Dichloropropene	7.953	75	14561	4.689	ug/l #	44
38) Carbon Tetrachloride	7.959	117	17868	5.368	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	89598	39.164	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	89598	105.448	ug/l #	5

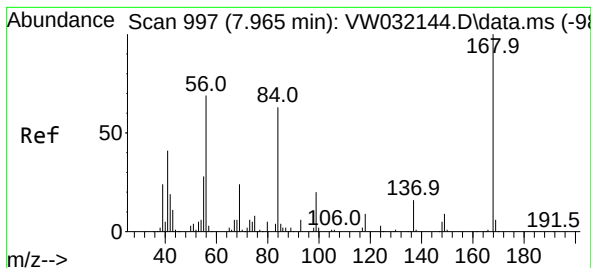
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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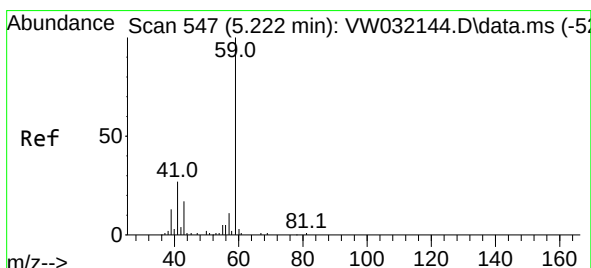
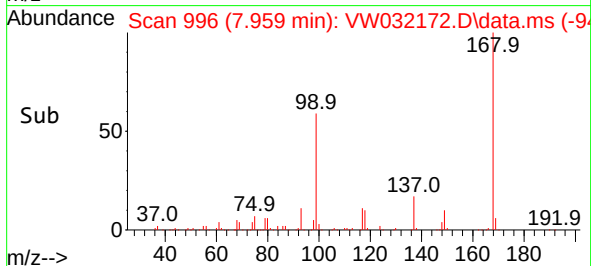
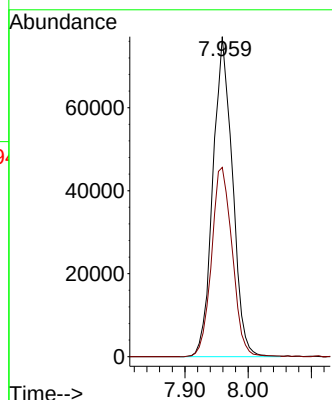
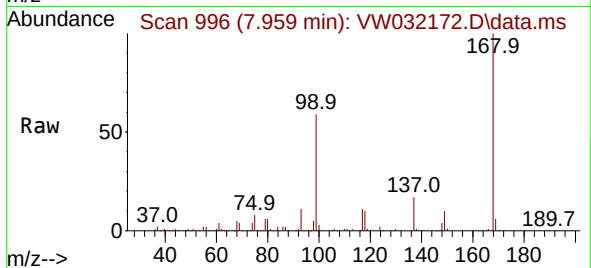




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

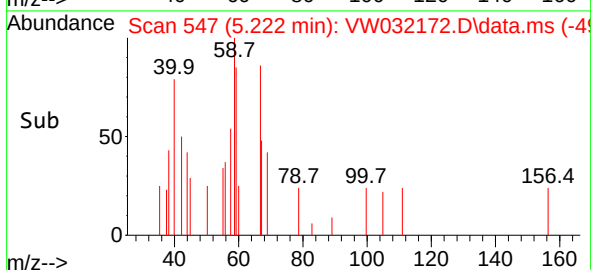
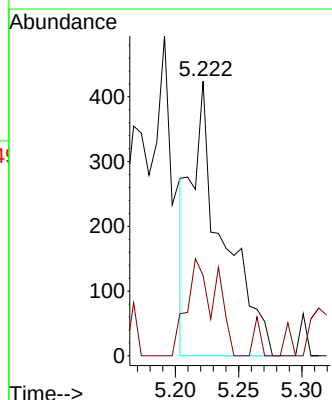
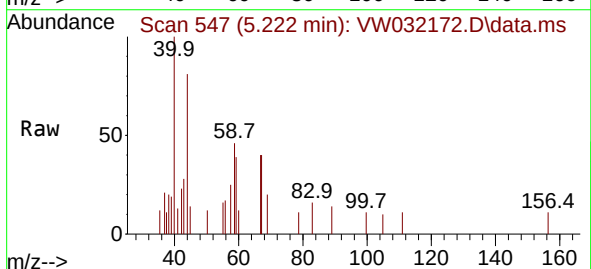
Instrument :
MSVOA_W
ClientSampleId :

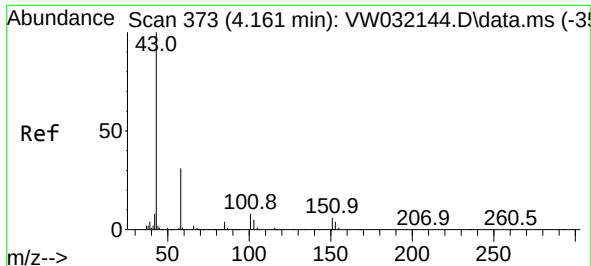
Tgt Ion:168 Resp: 165426
Ion Ratio Lower Upper
168 100
99 59.1 49.3 73.9



#11
Tert butyl alcohol
Concen: 5.121 ug/l
RT: 5.222 min Scan# 547
Delta R.T. -0.000 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

Tgt Ion: 59 Resp: 741
Ion Ratio Lower Upper
59 100
57 32.5 9.8 14.6#

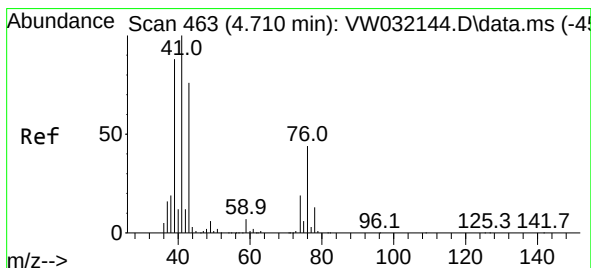
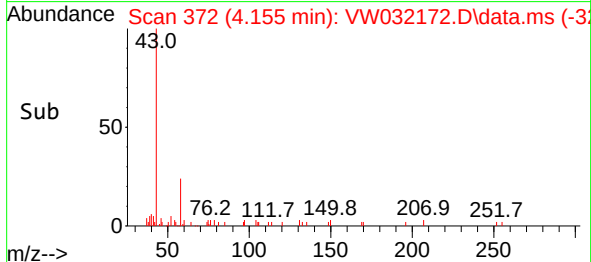
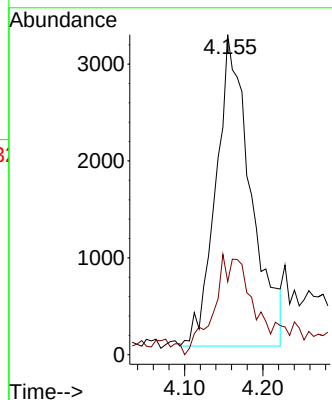
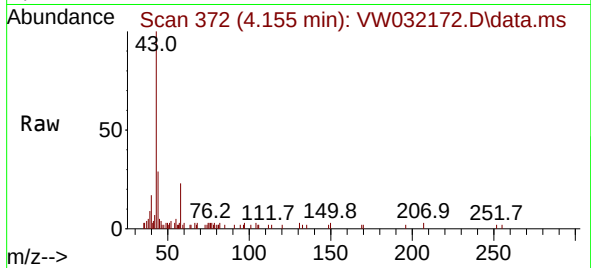




#16
Acetone
Concen: 19.388 ug/l
RT: 4.155 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

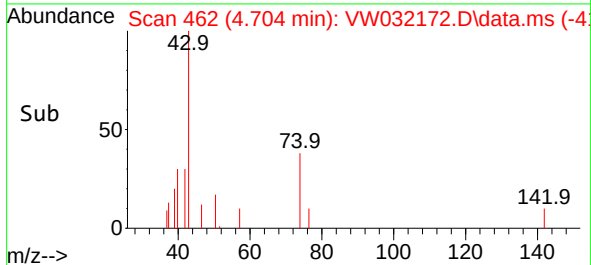
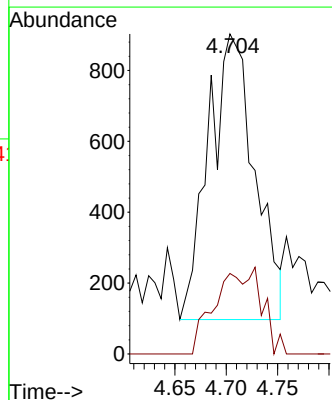
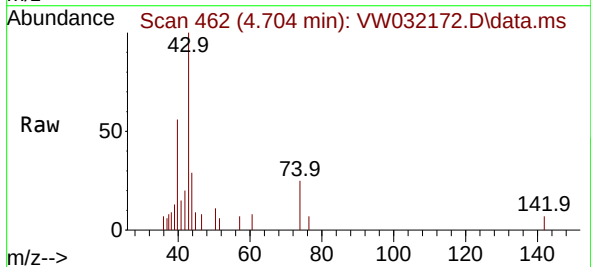
Instrument :
MSVOA_W
ClientSampleId :

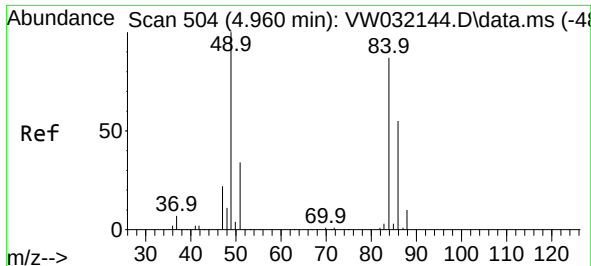
Tgt Ion: 43 Resp: 9934
Ion Ratio Lower Upper
43 100
58 19.9 25.3 37.9#



#18
Methyl Acetate
Concen: 1.542 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.006 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

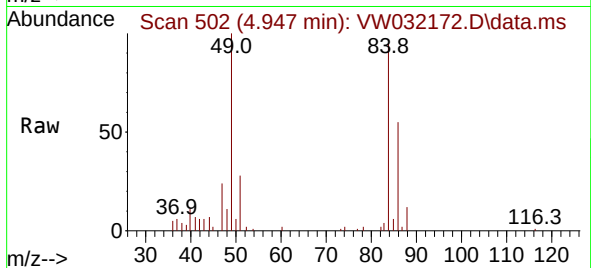
Tgt Ion: 43 Resp: 2518
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.4#



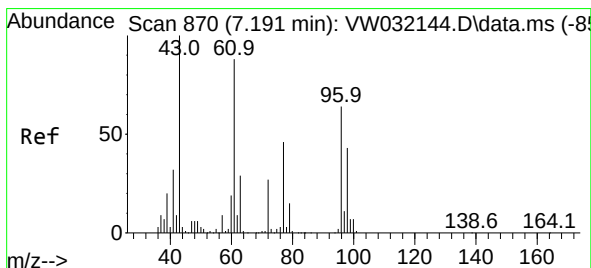
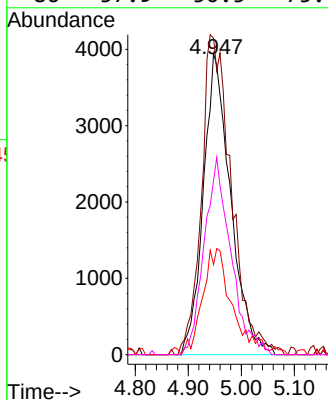
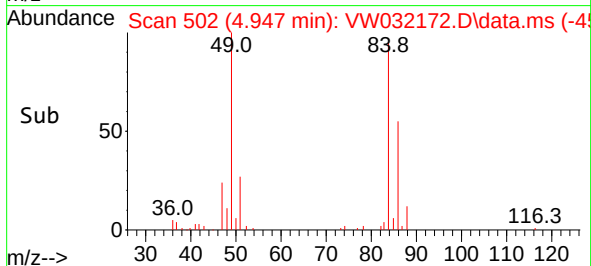


#20
Methylene Chloride
Concen: 3.180 ug/l
RT: 4.947 min Scan# 504
Delta R.T. -0.013 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

Instrument :
MSVOA_W
ClientSampleId :

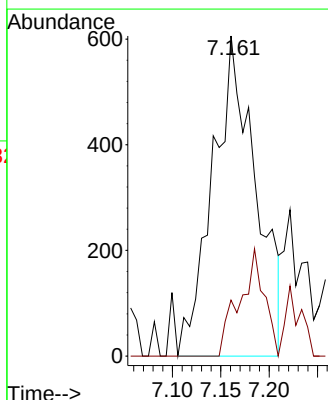
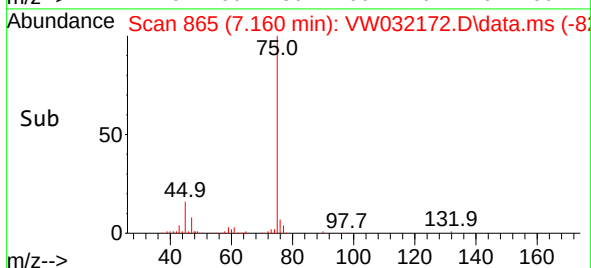
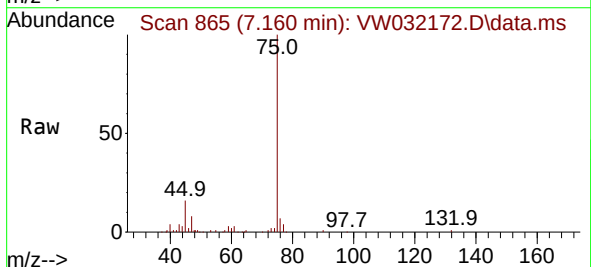


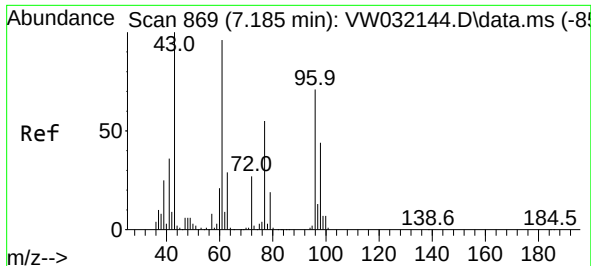
Tgt Ion:	84	Resp:	14132
Ion	Ratio	Lower	Upper
84	100		
49	105.2	92.2	138.4
51	28.4	31.0	46.6#
86	57.9	50.5	75.7



#25
2-Butanone
Concen: 2.584 ug/l
RT: 7.160 min Scan# 865
Delta R.T. -0.031 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

Tgt Ion:	43	Resp:	1876
Ion	Ratio	Lower	Upper
43	100		
72	17.5	21.4	32.2#

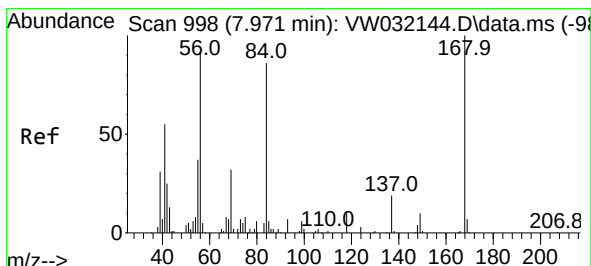
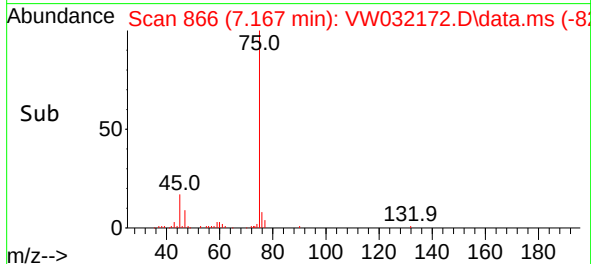
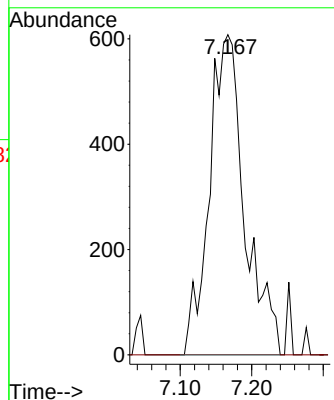
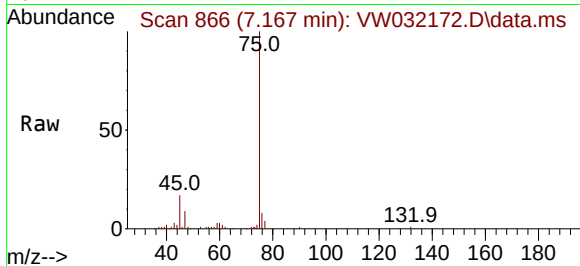




#26
2,2-Dichloropropane
Concen: 1.115 ug/l
RT: 7.167 min Scan# 80
Delta R.T. -0.018 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

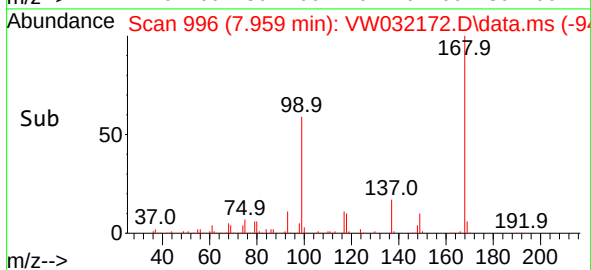
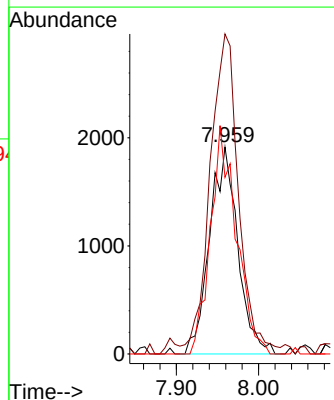
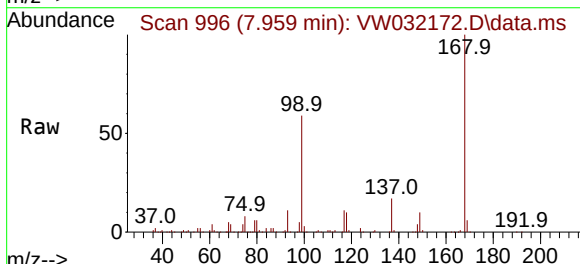
Instrument :
MSVOA_W
ClientSampleId :

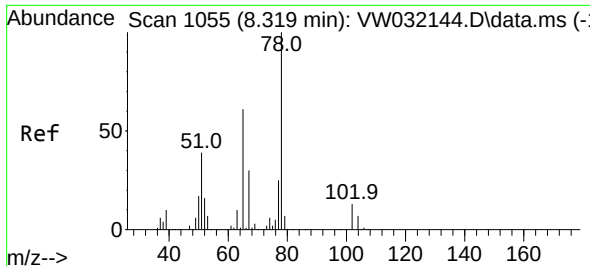
Tgt Ion: 77 Resp: 2089
Ion Ratio Lower Upper
77 100
97 0.0 11.9 35.5#



#31
Cyclohexane
Concen: 1.573 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

Tgt Ion: 56 Resp: 4568
Ion Ratio Lower Upper
56 100
69 151.5 27.7 41.5#
84 85.4 74.6 112.0





#33

1,2-Dichloroethane-d4

Concen: 60.226 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. -0.000 min

Lab File: VW032172.D

Acq: 15 Sep 2025 14:33

Instrument :

MSVOA_W

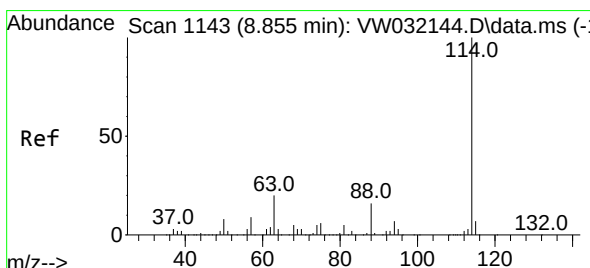
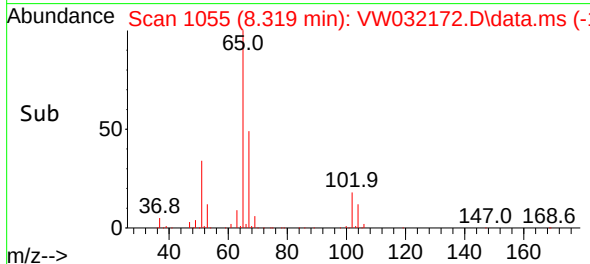
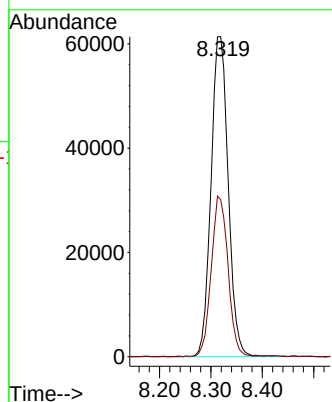
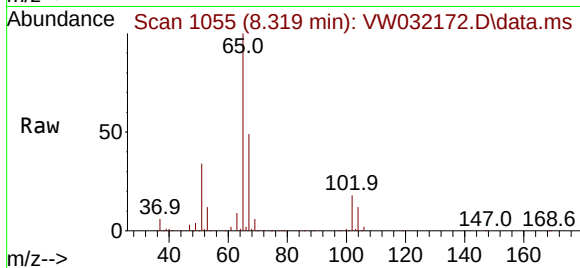
ClientSampleId :

Tgt Ion: 65 Resp: 142484

Ion Ratio Lower Upper

65 100

67 49.1 0.0 99.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. -0.006 min

Lab File: VW032172.D

Acq: 15 Sep 2025 14:33

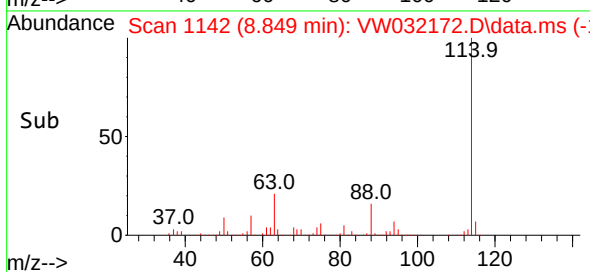
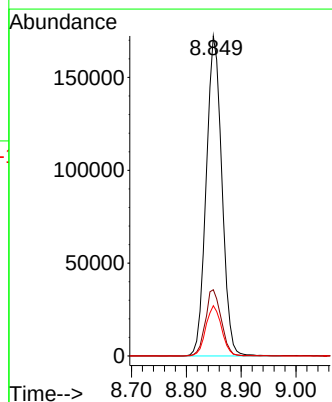
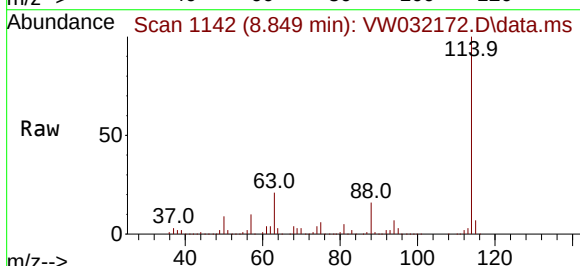
Tgt Ion: 114 Resp: 341352

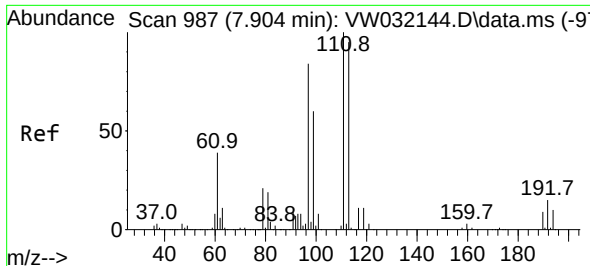
Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.4

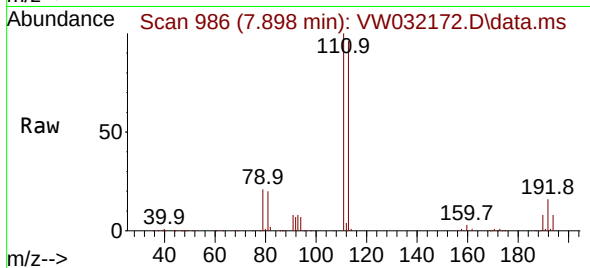
88 15.7 0.0 32.0



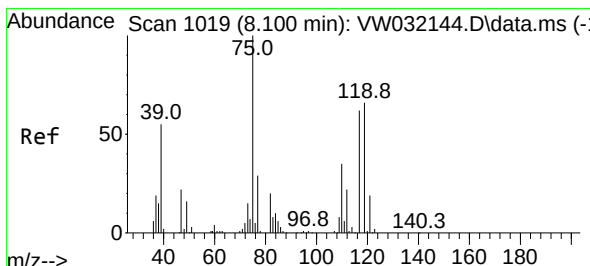
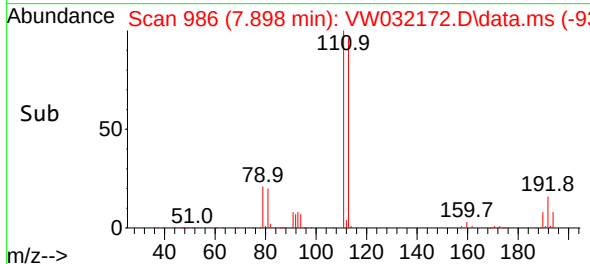
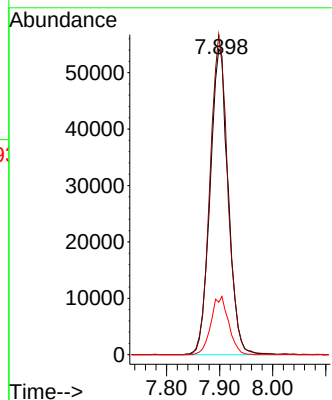


#35
 Dibromofluoromethane
 Concen: 53.637 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032172.D
 Acq: 15 Sep 2025 14:33

Instrument :
 MSVOA_W
 ClientSampleId :

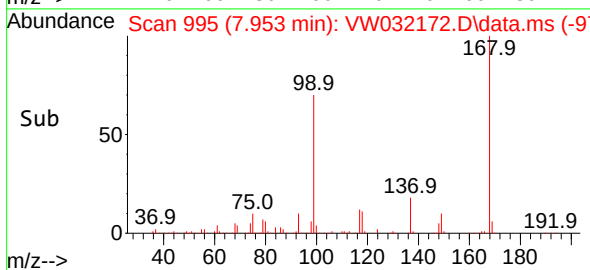
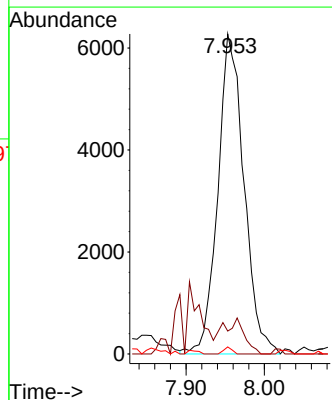
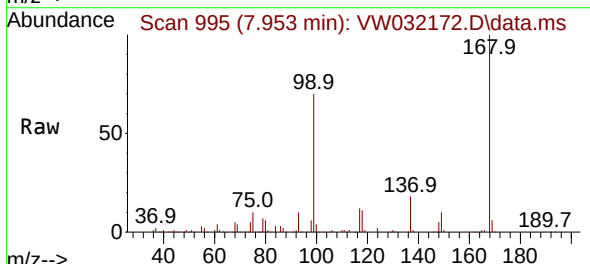


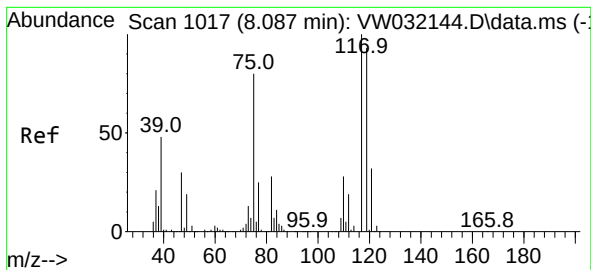
Tgt Ion:113 Resp: 128456
 Ion Ratio Lower Upper
 113 100
 111 102.8 83.9 125.9
 192 18.6 14.6 21.8



#36
 1,1-Dichloropropene
 Concen: 4.689 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW032172.D
 Acq: 15 Sep 2025 14:33

Tgt Ion: 75 Resp: 14561
 Ion Ratio Lower Upper
 75 100
 110 1.8 17.5 52.5#
 77 0.7 24.1 36.1#





#38

Carbon Tetrachloride

Concen: 5.368 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.128 min

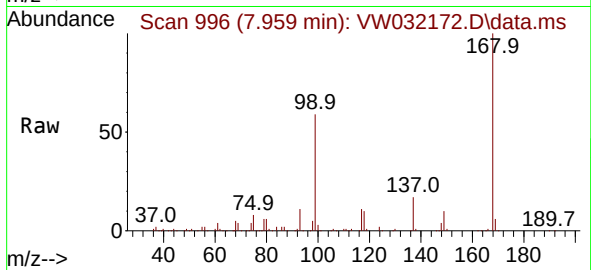
Lab File: VW032172.D

Acq: 15 Sep 2025 14:33

Instrument :

MSVOA_W

ClientSampleId :



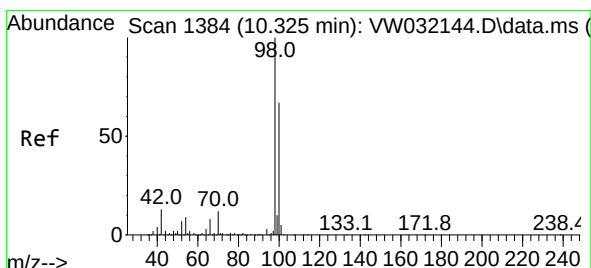
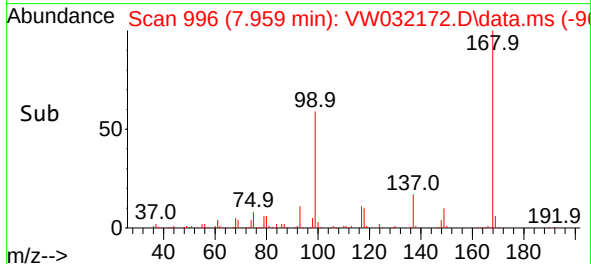
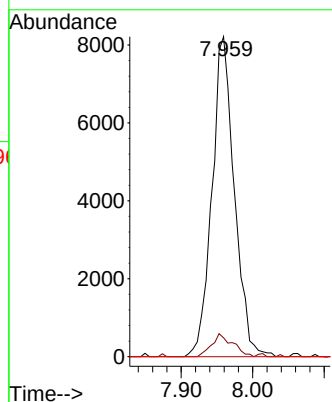
Tgt Ion:117 Resp: 17868

Ion Ratio Lower Upper

117 100

119 5.9 74.2 111.2#

121 0.0 25.6 38.4#



#50

Toluene-d8

Concen: 50.673 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. -0.000 min

Lab File: VW032172.D

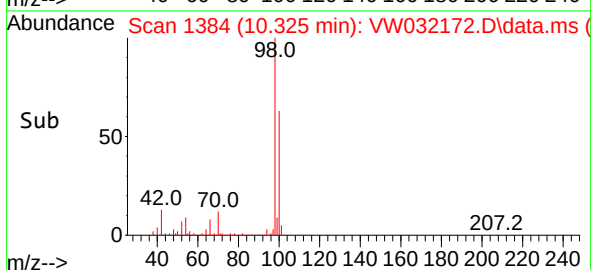
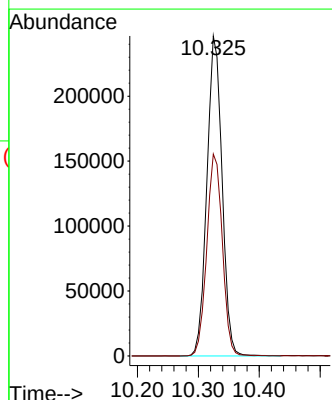
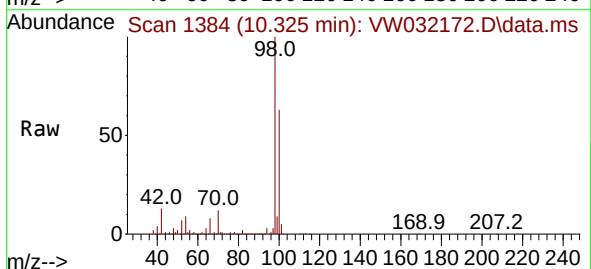
Acq: 15 Sep 2025 14:33

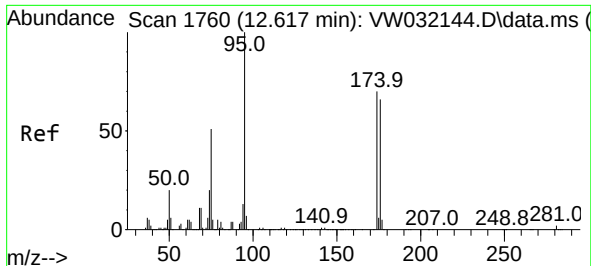
Tgt Ion: 98 Resp: 426025

Ion Ratio Lower Upper

98 100

100 64.7 51.4 77.2

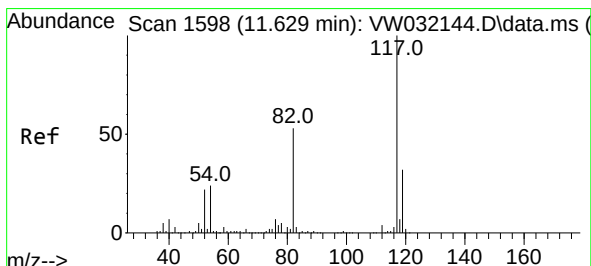
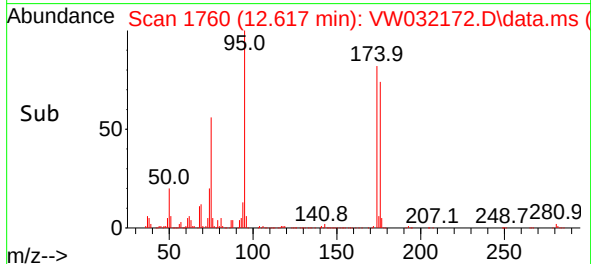
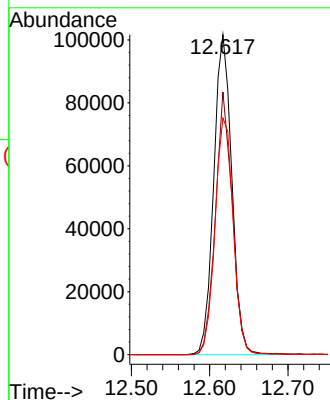
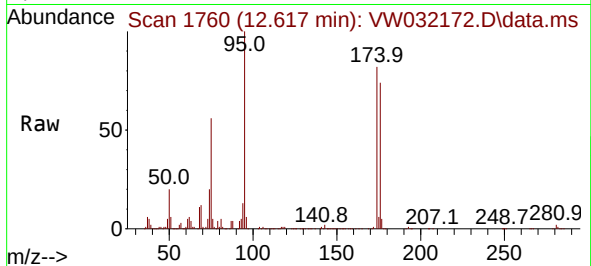




#62
4-Bromofluorobenzene
Concen: 52.414 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

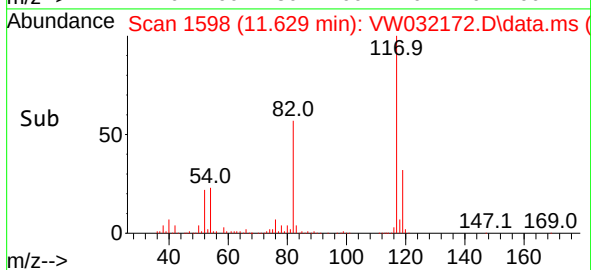
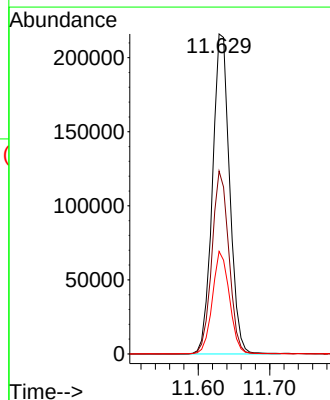
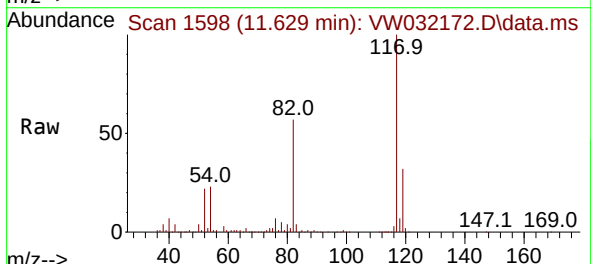
Instrument :
MSVOA_W
ClientSampleId :

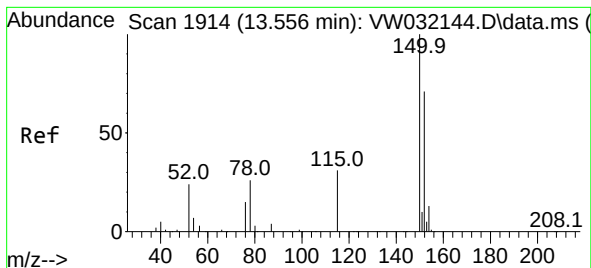
Tgt Ion: 95 Resp: 162947
Ion Ratio Lower Upper
95 100
174 77.2 0.0 145.6
176 74.8 0.0 140.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032172.D
Acq: 15 Sep 2025 14:33

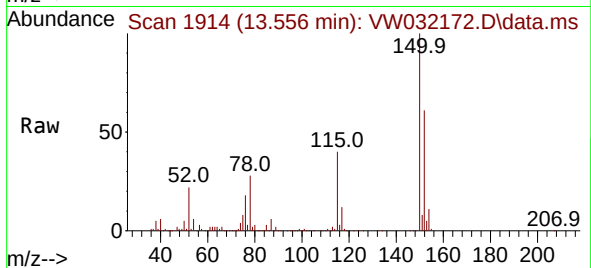
Tgt Ion: 117 Resp: 360000
Ion Ratio Lower Upper
117 100
82 57.2 42.7 64.1
119 31.9 25.2 37.8



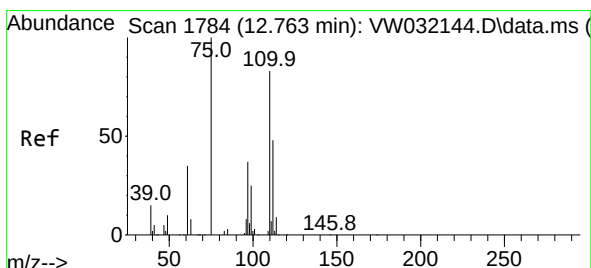
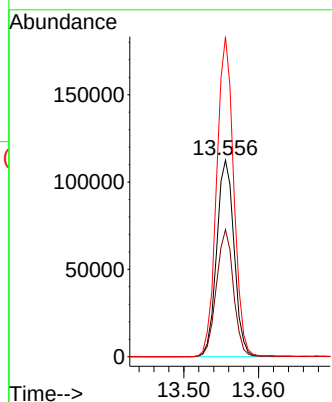
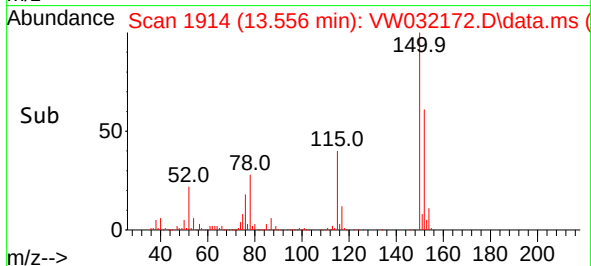


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032172.D
 Acq: 15 Sep 2025 14:33

Instrument :
 MSVOA_W
 ClientSampleId :

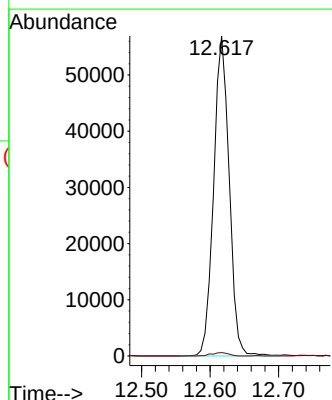
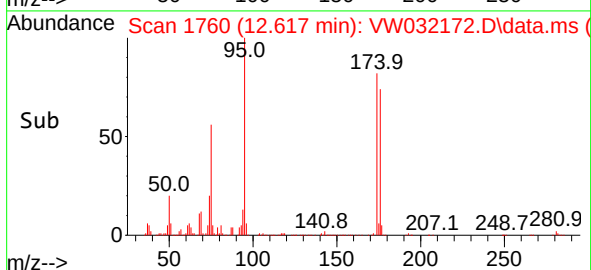
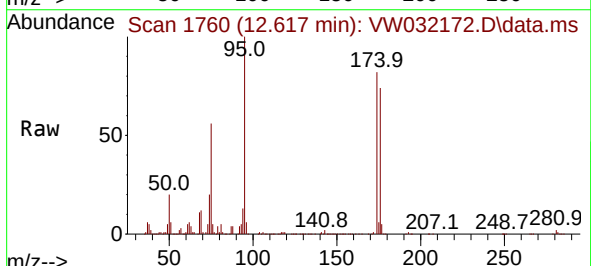


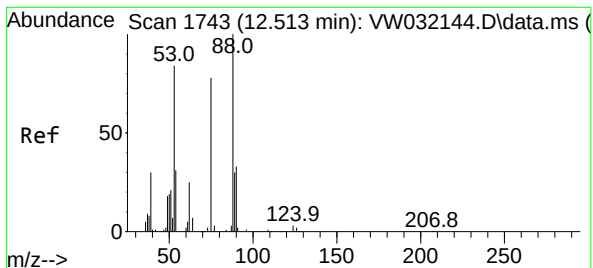
Tgt Ion:152 Resp: 182611
 Ion Ratio Lower Upper
 152 100
 115 63.6 31.8 95.4
 150 159.4 0.0 343.0



#76
 1,2,3-Trichloropropane
 Concen: 39.164 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW032172.D
 Acq: 15 Sep 2025 14:33

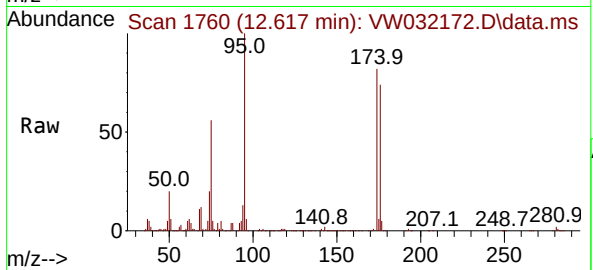
Tgt Ion: 75 Resp: 89598
 Ion Ratio Lower Upper
 75 100
 77 1.1 141.7 425.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 105.448 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VW032172.D
 Acq: 15 Sep 2025 14:33

Instrument :
 MSVOA_W
 ClientSampleId :



Tgt Ion: 75 Resp: 89598
 Ion Ratio Lower Upper
 75 100
 53 0.1 91.0 136.6#
 89 0.0 39.4 59.2#

