

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032013.D
 Acq On : 05 Aug 2025 15:21
 Operator : SY/MD
 Sample : Q2774-07
 Misc : 5.05g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT3826

Quant Time: Aug 06 03:55:21 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W072225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 23 08:18:46 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

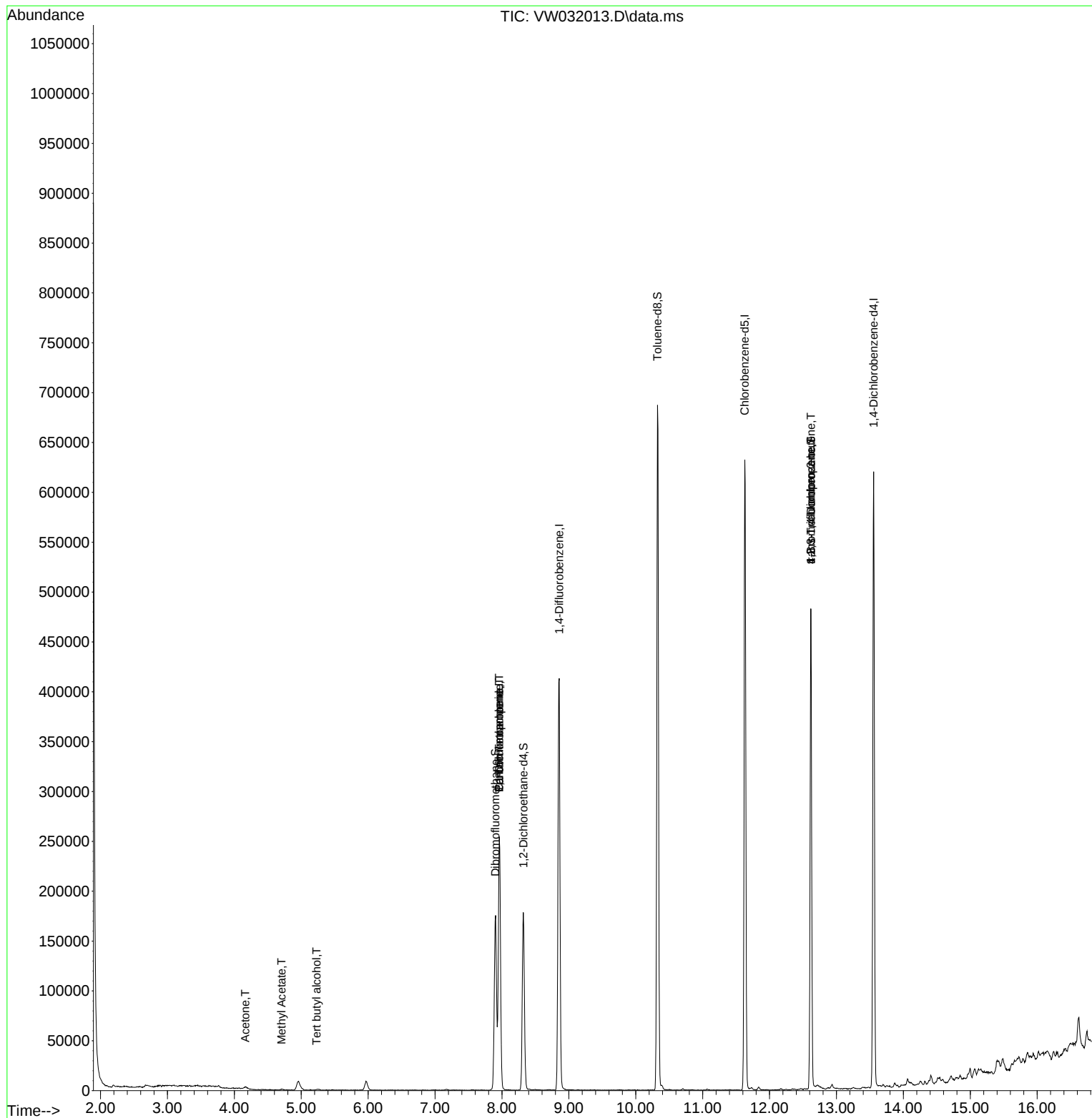
Internal Standards						
1) Pentafluorobenzene	7.959	168	176046	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	357407	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	352227	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	154146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	147745	55.478	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery = 110.960%			
35) Dibromofluoromethane	7.898	113	131443	54.122	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery = 108.240%			
50) Toluene-d8	10.325	98	459885	50.033	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery = 100.060%			
62) 4-Bromofluorobenzene	12.617	95	170721	48.371	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery = 96.740%			
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.228	59	185	1.182	ug/l #	72
13) Acrolein	3.978	56	19	Below Cal	#	1
16) Acetone	4.161	43	2503	3.961	ug/l	98
18) Methyl Acetate	4.704	43	1777	1.021	ug/l #	87
20) Methylene Chloride	4.954	84	8081	Below Cal	#	91
36) 1,1-Dichloropropene	7.959	75	16352	4.384	ug/l #	49
38) Carbon Tetrachloride	7.959	117	19851	5.546	ug/l #	18
76) 1,2,3-Trichloropropane	12.617	75	87389	41.062	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	87389	94.801	ug/l #	8

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

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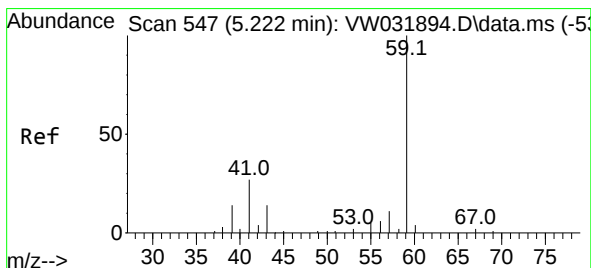
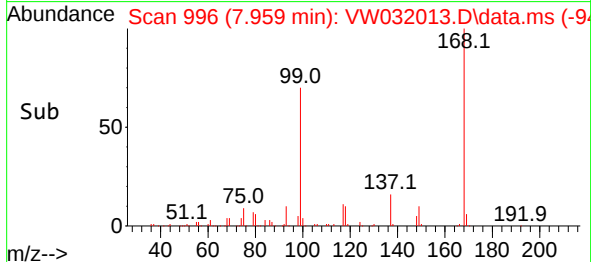
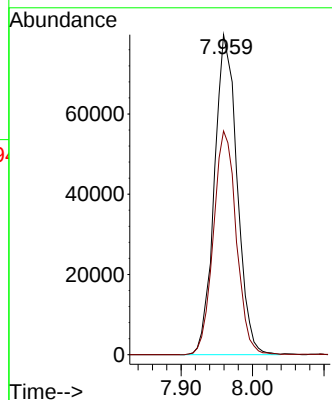
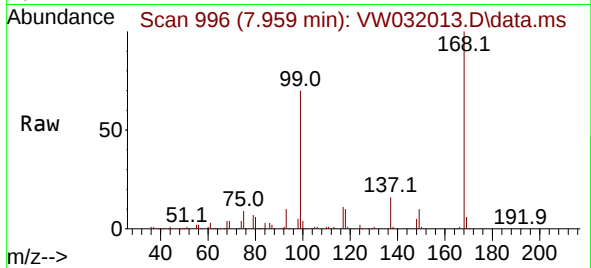




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

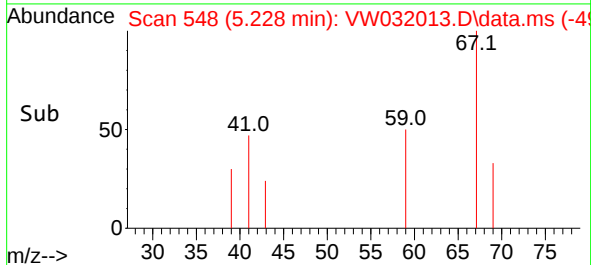
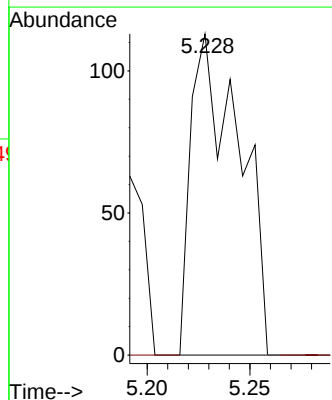
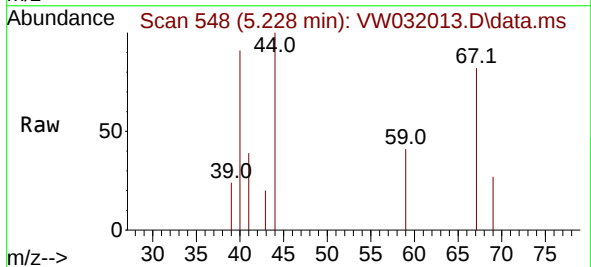
Instrument :
MSVOA_W
ClientSampleId :
RT3826

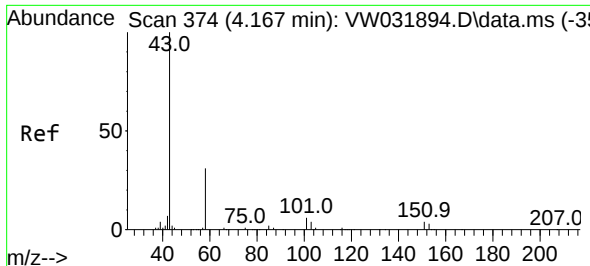
Tgt Ion:168 Resp: 176046
Ion Ratio Lower Upper
168 100
99 69.9 48.2 72.2



#11
Tert butyl alcohol
Concen: 1.182 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.006 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion: 59 Resp: 185
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

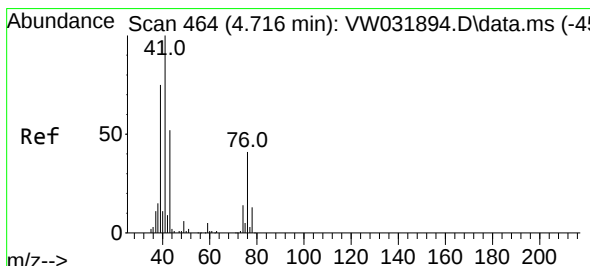
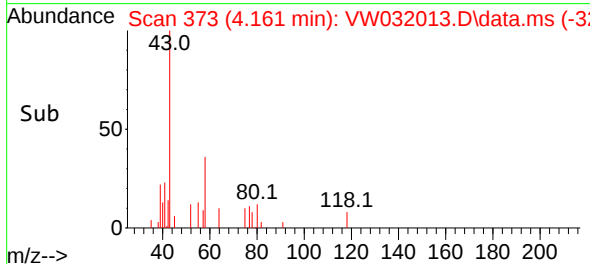
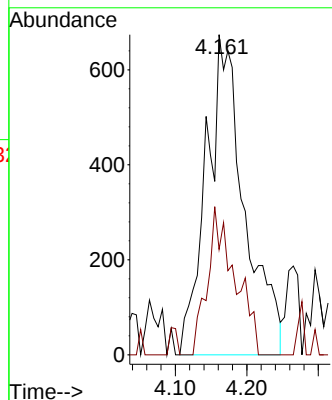
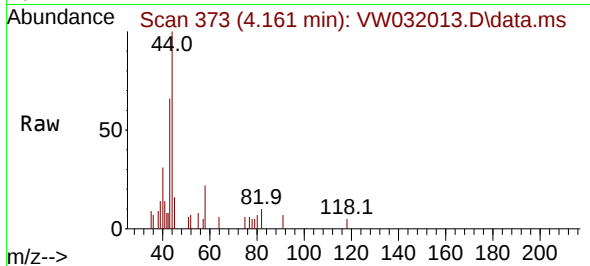




#16
Acetone
Concen: 3.961 ug/l
RT: 4.161 min Scan# 31
Delta R.T. -0.006 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

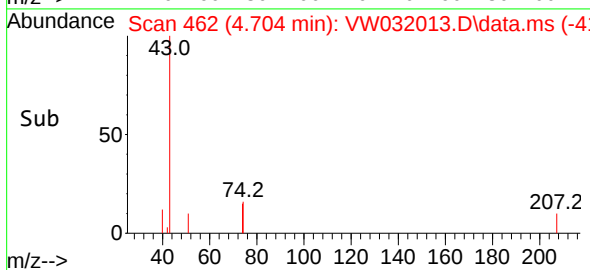
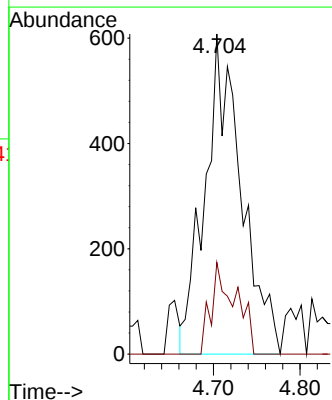
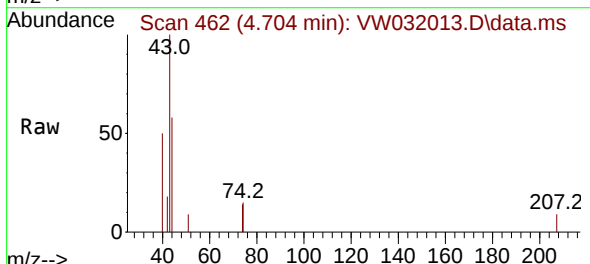
Instrument :
MSVOA_W
ClientSampleId :
RT3826

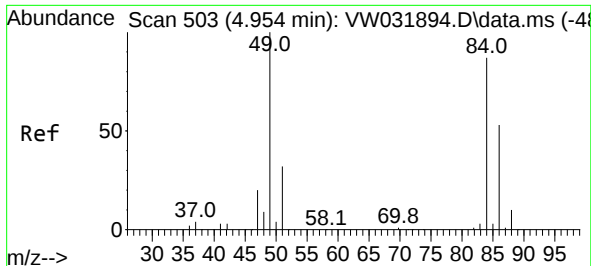
Tgt Ion: 43 Resp: 2503
Ion Ratio Lower Upper
43 100
58 32.9 25.5 38.3



#18
Methyl Acetate
Concen: 1.021 ug/l
RT: 4.704 min Scan# 462
Delta R.T. -0.012 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
74 19.4 20.6 31.0#

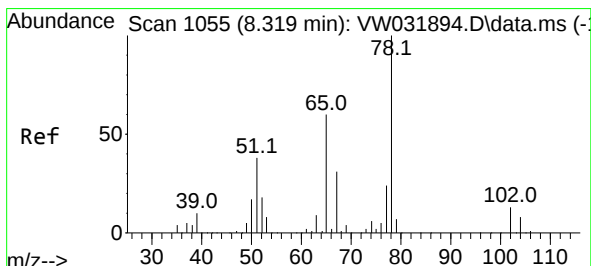
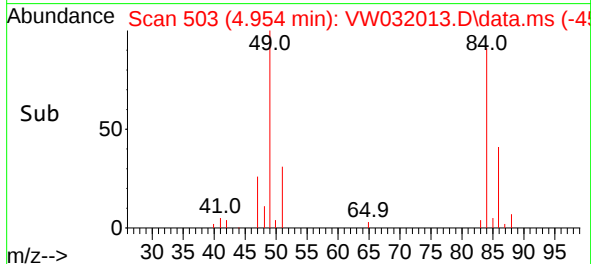
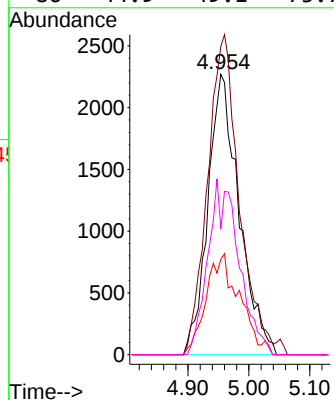
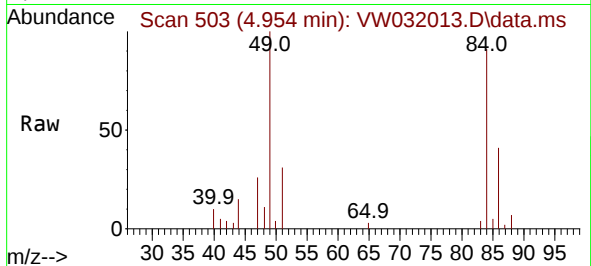




#20
Methylene Chloride
Concen: Below Cal
RT: 4.954 min Scan# 503
Delta R.T. -0.000 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

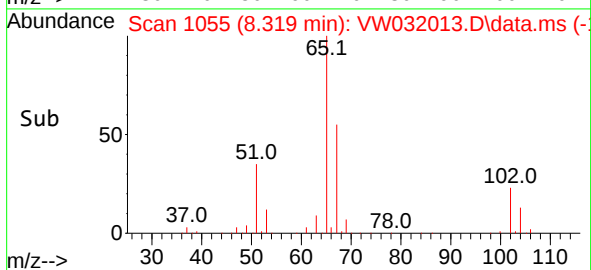
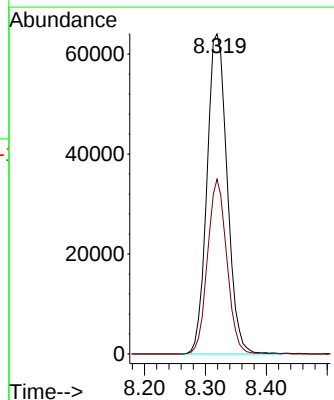
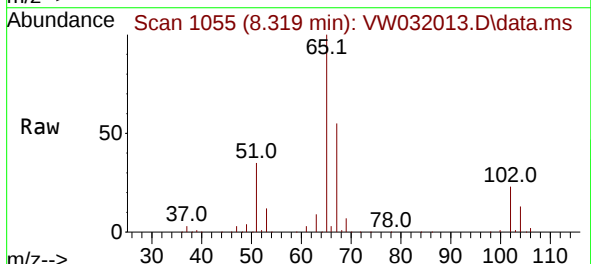
Instrument :
MSVOA_W
ClientSampleId :
RT3826

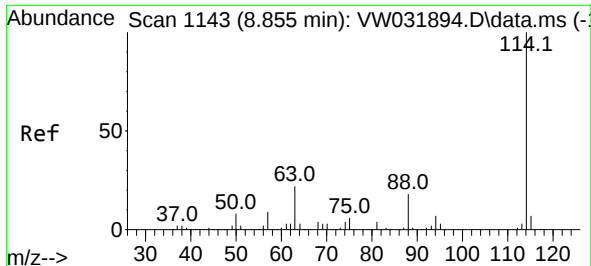
Tgt Ion:	84	Resp:	8081
Ion	Ratio	Lower	Upper
84	100		
49	110.0	91.9	137.9
51	34.1	29.0	43.6
86	44.9	49.1	73.7



#33
1,2-Dichloroethane-d4
Concen: 55.478 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion:	65	Resp:	147745
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1143

Delta R.T. 0.000 min

Lab File: VW032013.D

Acq: 05 Aug 2025 15:21

Instrument :

MSVOA_W

ClientSampleId :

RT3826

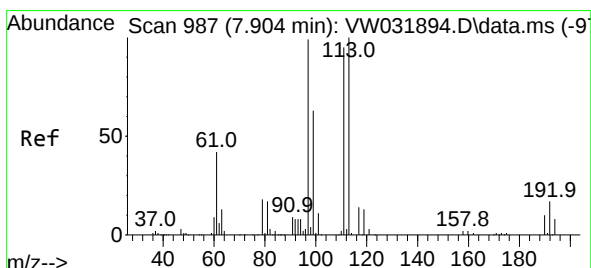
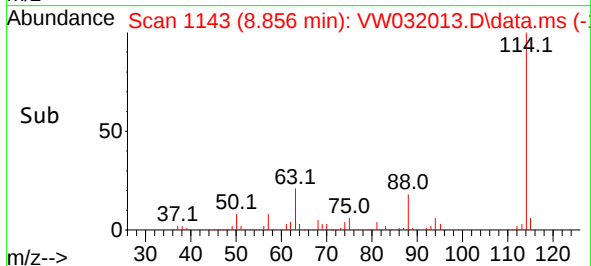
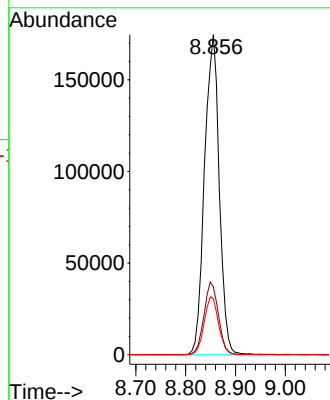
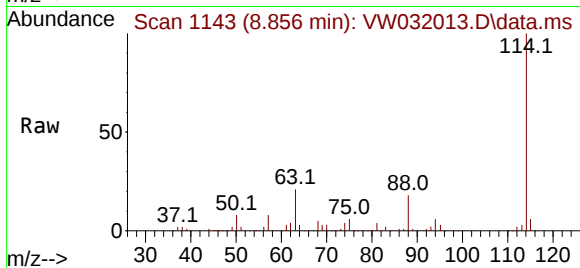
Tgt Ion:114 Resp: 357407

Ion Ratio Lower Upper

114 100

63 21.2 0.0 44.2

88 17.5 0.0 35.6



#35

Dibromofluoromethane

Concen: 54.122 ug/l

RT: 7.898 min Scan# 986

Delta R.T. -0.006 min

Lab File: VW032013.D

Acq: 05 Aug 2025 15:21

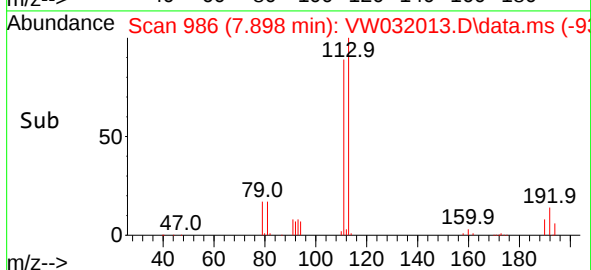
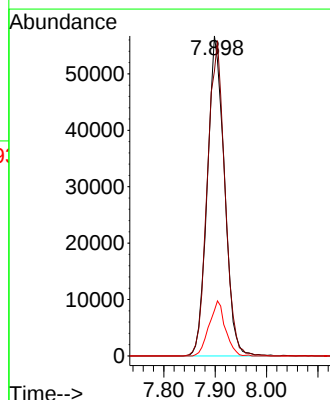
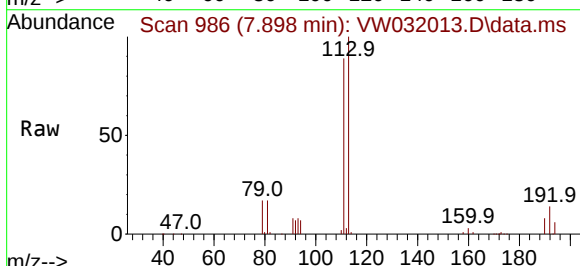
Tgt Ion:113 Resp: 131443

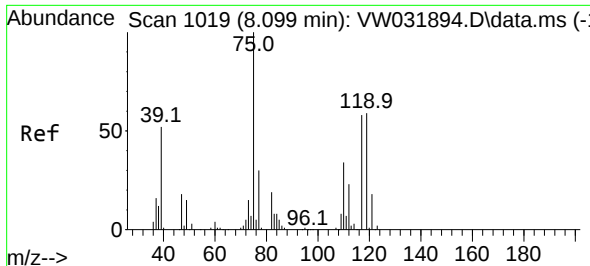
Ion Ratio Lower Upper

113 100

111 100.3 79.9 119.9

192 16.3 12.6 19.0

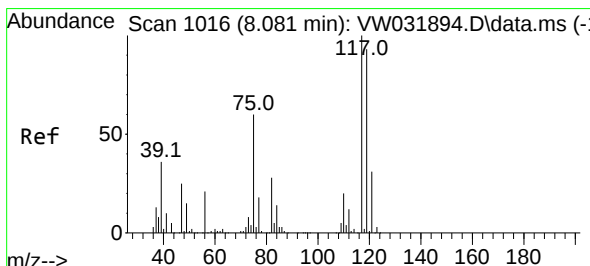
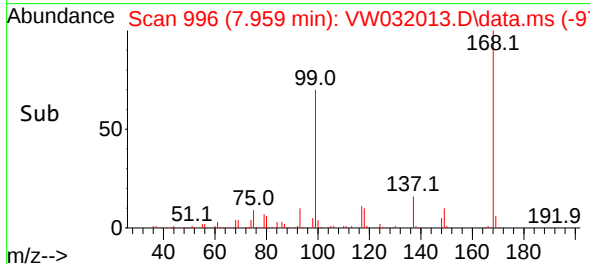
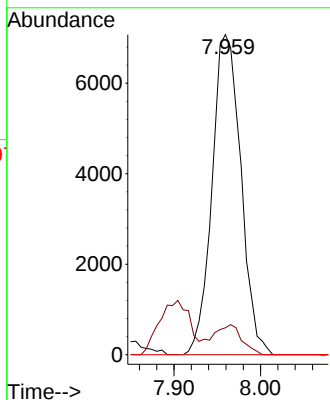
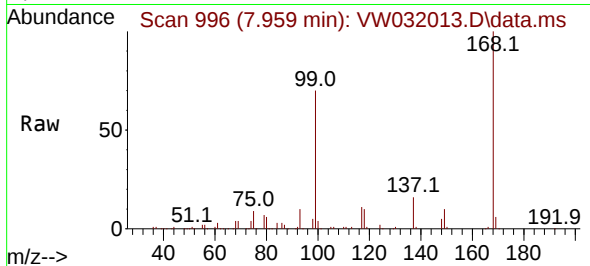




#36
1,1-Dichloropropene
Concen: 4.384 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.140 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

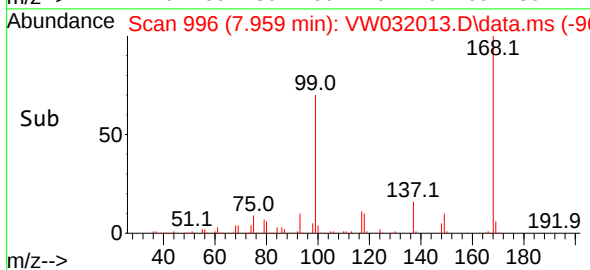
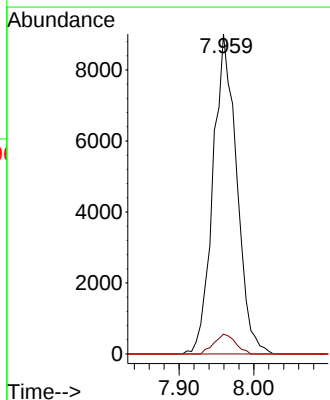
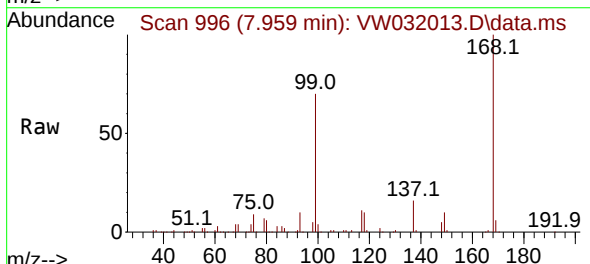
Instrument :
MSVOA_W
ClientSampleId :
RT3826

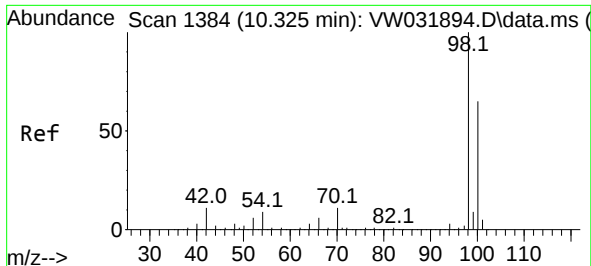
Tgt Ion: 75 Resp: 16352
Ion Ratio Lower Upper
75 100
110 8.2 17.0 50.9#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.546 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion: 117 Resp: 19851
Ion Ratio Lower Upper
117 100
119 6.2 74.3 111.5#
121 0.0 24.6 37.0#

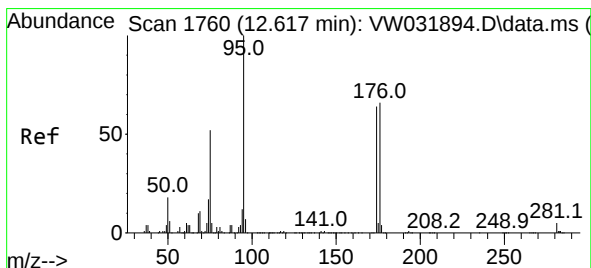
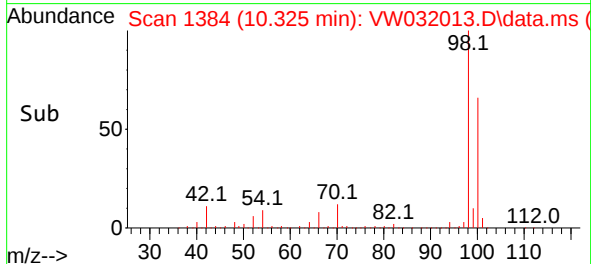
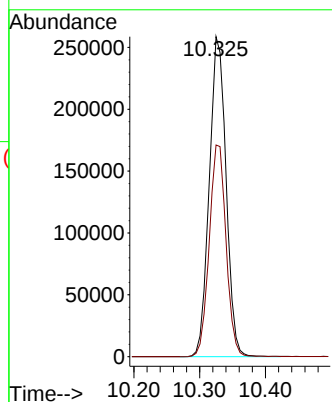
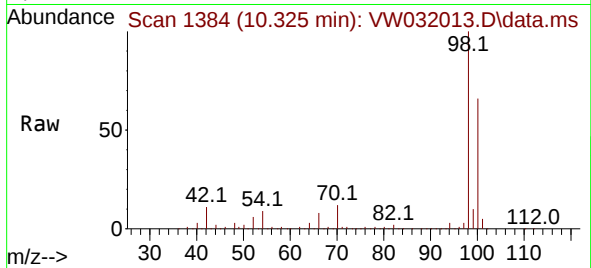




#50
Toluene-d8
Concen: 50.033 ug/l
RT: 10.325 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

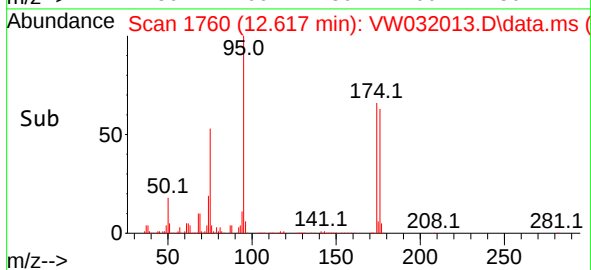
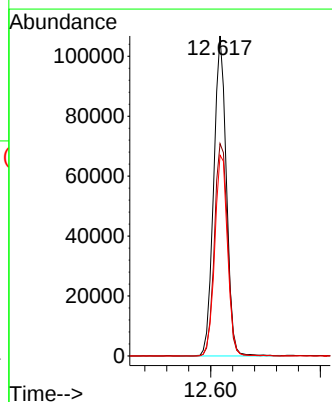
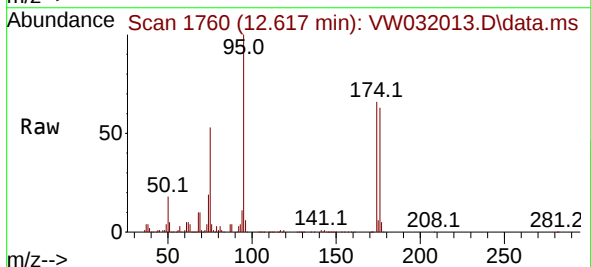
Instrument :
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RT3826

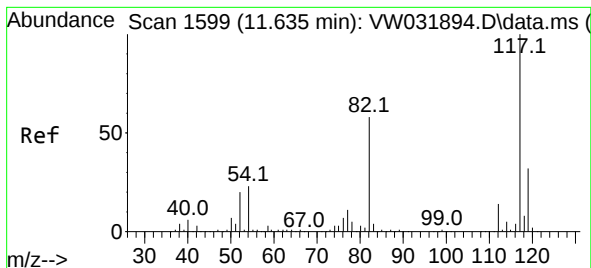
Tgt Ion: 98 Resp: 459885
Ion Ratio Lower Upper
98 100
100 66.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 48.371 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion: 95 Resp: 170721
Ion Ratio Lower Upper
95 100
174 68.9 0.0 129.8
176 63.4 0.0 130.4

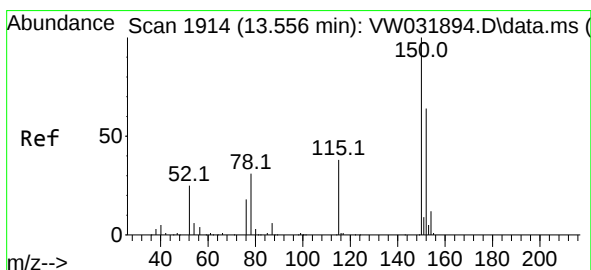
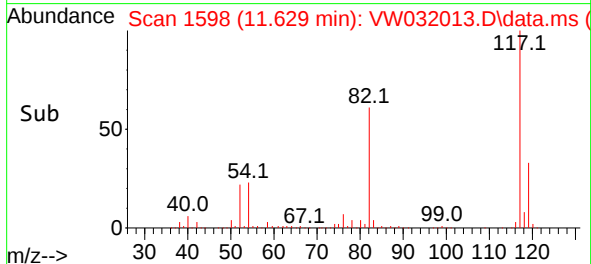
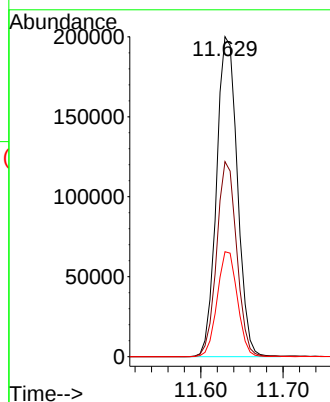
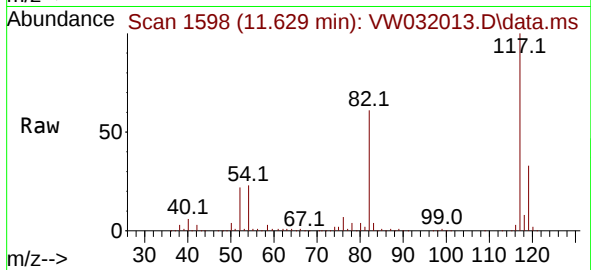




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

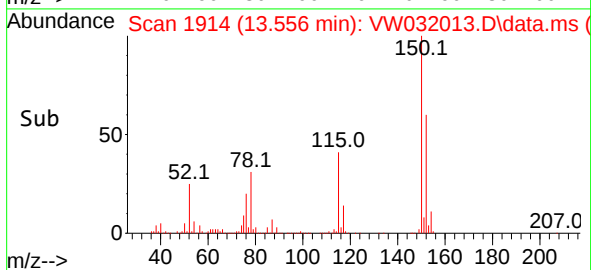
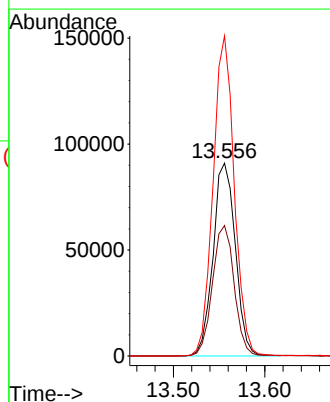
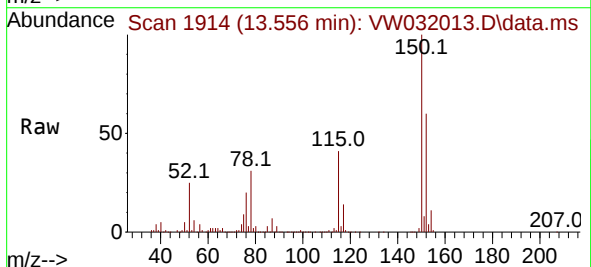
Instrument :
MSVOA_W
ClientSampleId :
RT3826

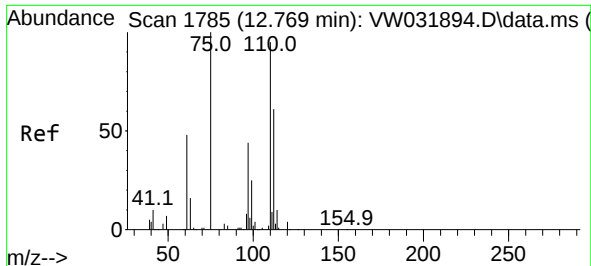
Tgt Ion:117 Resp: 352227
Ion Ratio Lower Upper
117 100
82 60.9 46.5 69.7
119 32.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion:152 Resp: 154146
Ion Ratio Lower Upper
152 100
115 66.2 33.4 100.1
150 157.6 0.0 352.2

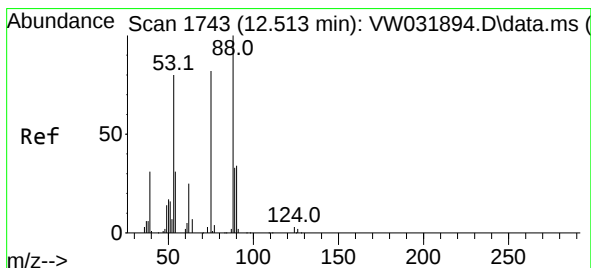
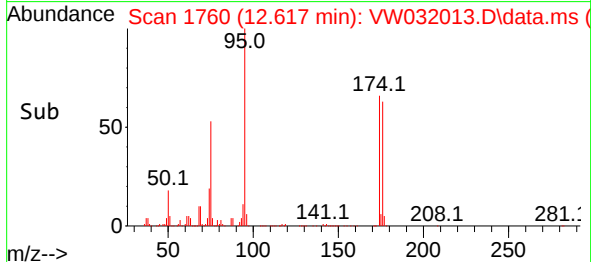
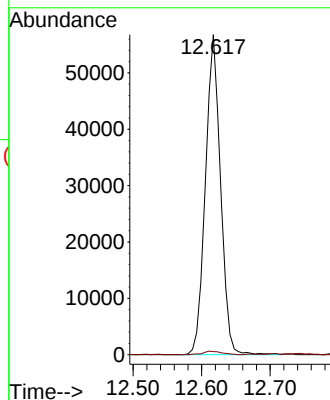
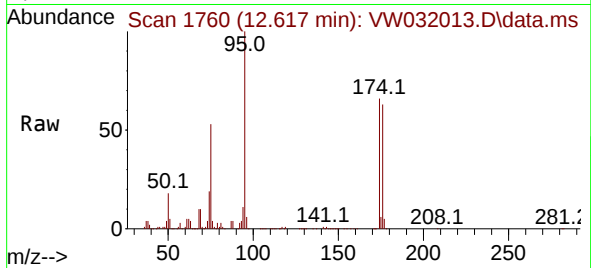




#76
1,2,3-Trichloropropane
Concen: 41.062 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Instrument :
MSVOA_W
ClientSampleId :
RT3826

Tgt Ion: 75 Resp: 87389
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.801 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW032013.D
Acq: 05 Aug 2025 15:21

Tgt Ion: 75 Resp: 87389
Ion Ratio Lower Upper
75 100
53 0.3 83.7 125.5#
89 0.0 39.0 58.6#

