

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080625\
 Data File : VW032027.D
 Acq On : 06 Aug 2025 13:09
 Operator : SY/MD
 Sample : Q2783-01
 Misc : 5.03g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 RT5414

Quant Time: Aug 07 02:19:21 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)

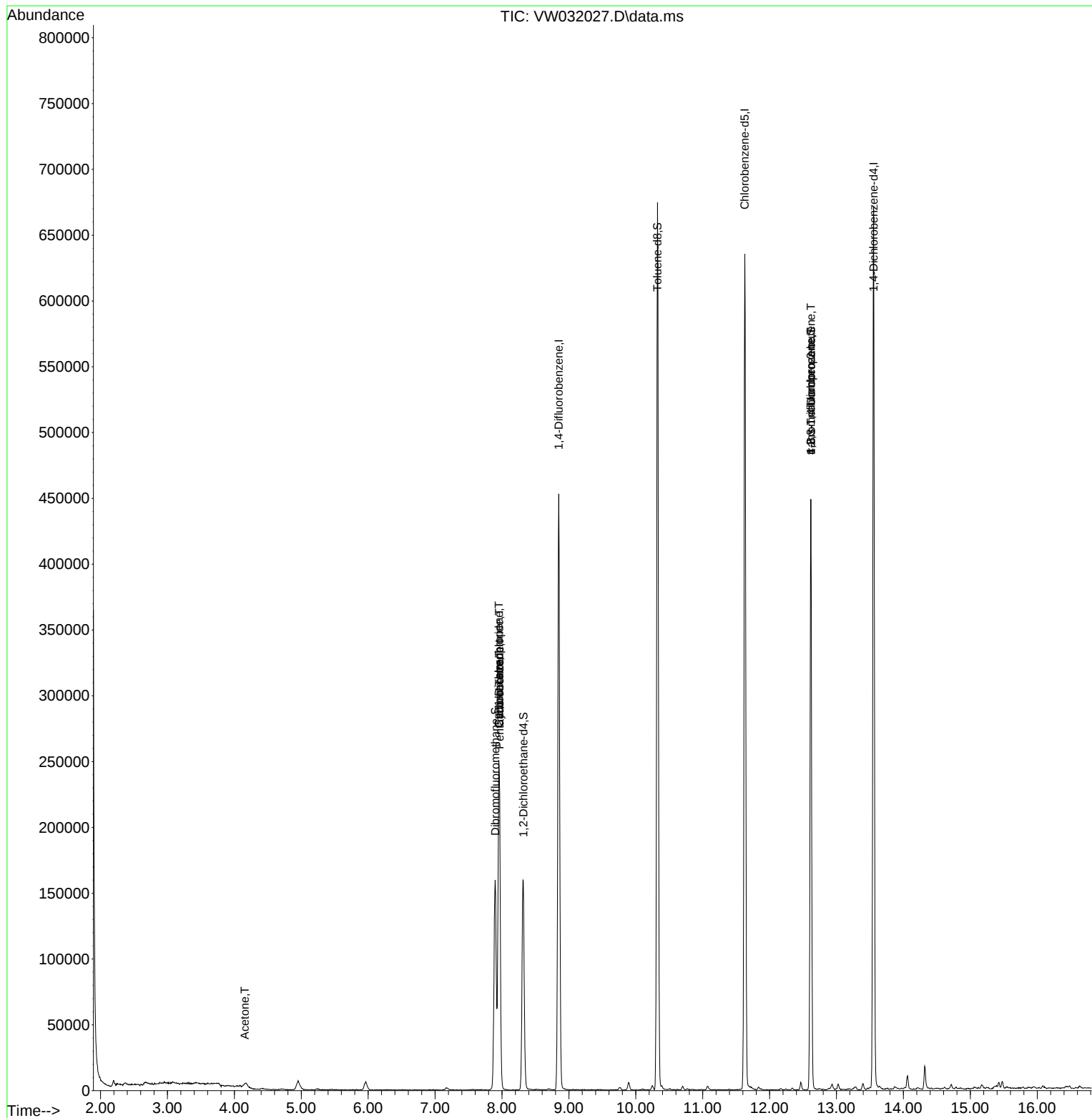
Internal Standards						
1) Pentafluorobenzene	7.965	168	177746	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	378625	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	358545	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	167910	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	135602	50.431	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 100.860%		
35) Dibromofluoromethane	7.898	113	118969	46.241	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 92.480%		
50) Toluene-d8	10.325	98	449258	46.138	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 92.280%		
62) 4-Bromofluorobenzene	12.617	95	159640	42.697	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 85.400%		
Target Compounds						
					Qvalue	
13) Acrolein	3.948	56	56	Below Cal	#	1
16) Acetone	4.155	43	3886	6.090	ug/l #	77
20) Methylene Chloride	4.947	84	6046	Below Cal		94
31) Cyclohexane	7.959	56	4366	1.059	ug/l #	1
36) 1,1-Dichloropropene	7.953	75	16515	4.180	ug/l #	50
38) Carbon Tetrachloride	7.959	117	20946	5.524	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	82193	35.455	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	82193	81.855	ug/l #	8

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

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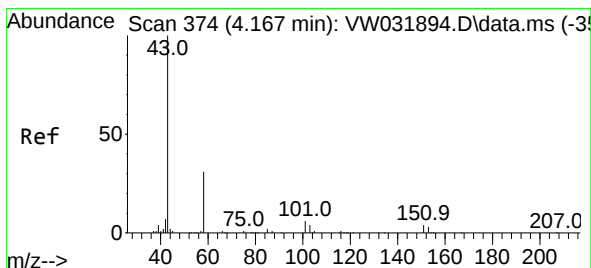
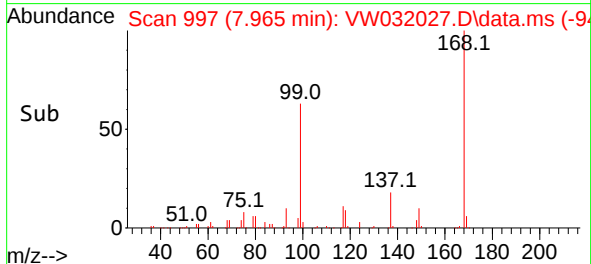
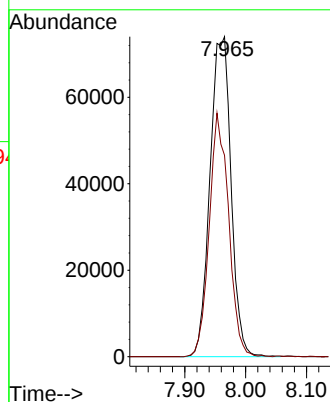
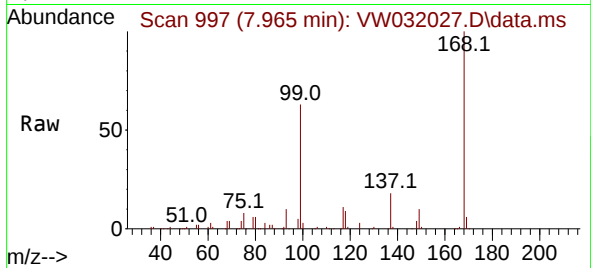




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

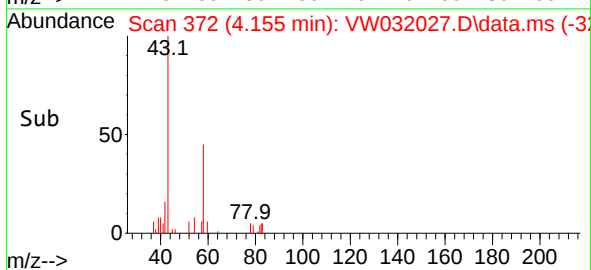
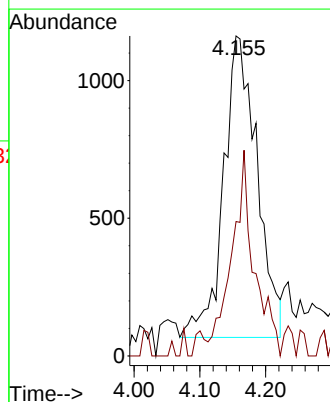
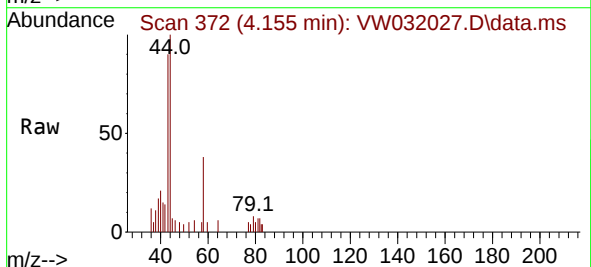
Instrument :
MSVOA_W
ClientSampleId :
RT5414

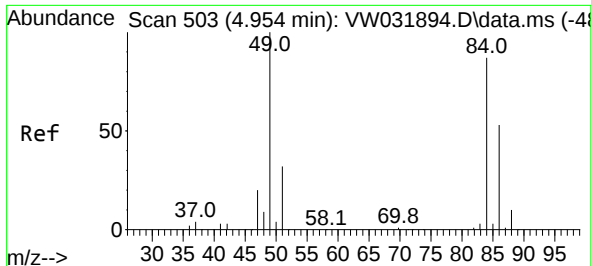
Tgt Ion:168 Resp: 177746
Ion Ratio Lower Upper
168 100
99 63.0 48.2 72.2



#16
Acetone
Concen: 6.090 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

Tgt Ion: 43 Resp: 3886
Ion Ratio Lower Upper
43 100
58 44.6 25.5 38.3#

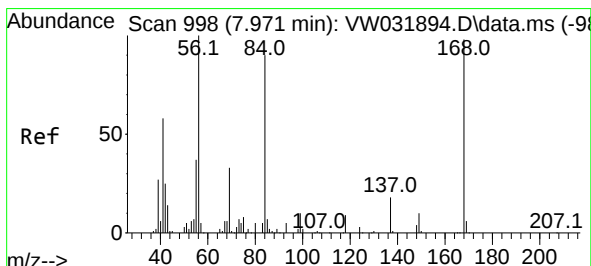
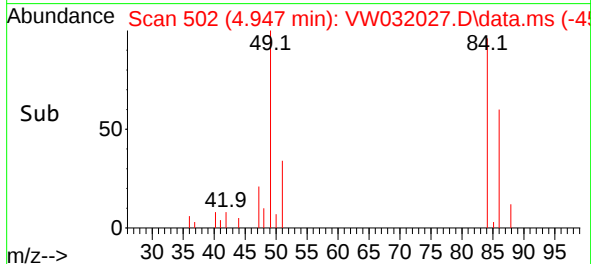
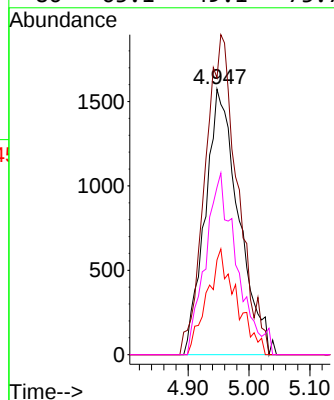
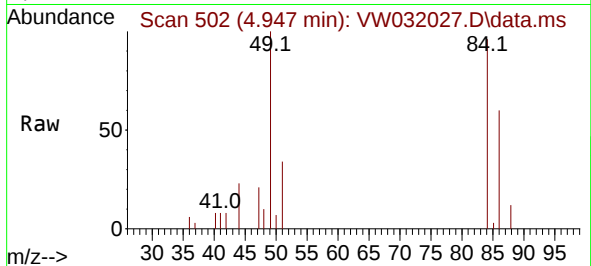




#20
Methylene Chloride
Concen: Below Cal
RT: 4.947 min Scan# 503
Delta R.T. -0.007 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

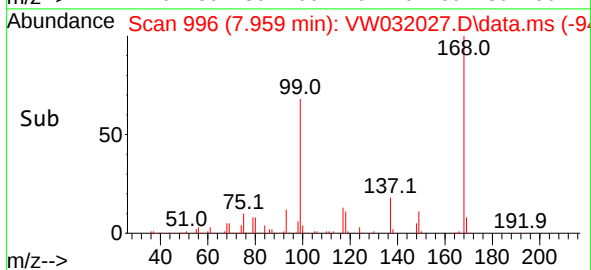
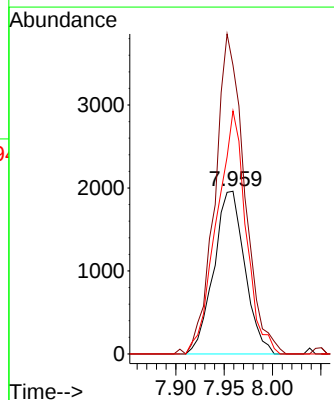
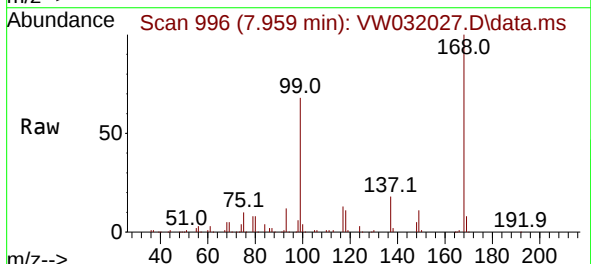
Instrument :
MSVOA_W
ClientSampleId :
RT5414

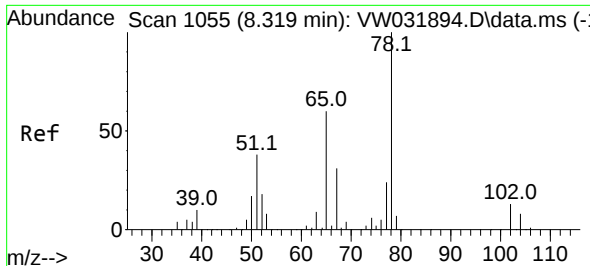
Tgt Ion:	84	Resp:	6046
Ion	Ratio	Lower	Upper
84	100		
49	104.3	91.9	137.9
51	35.7	29.0	43.6
86	63.1	49.1	73.7



#31
Cyclohexane
Concen: 1.059 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

Tgt Ion:	56	Resp:	4366
Ion	Ratio	Lower	Upper
56	100		
69	174.5	26.7	40.1#
84	149.4	71.8	107.6#

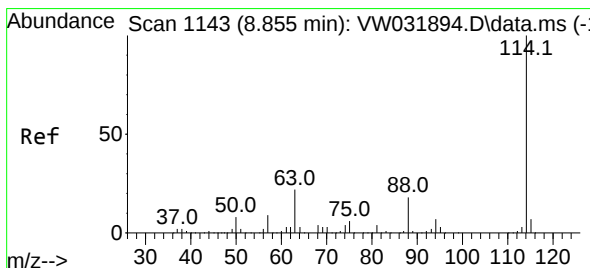
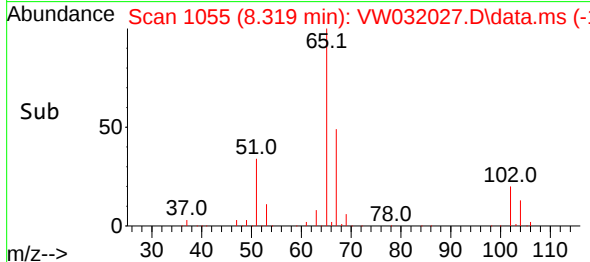
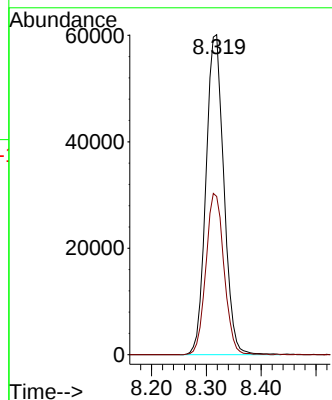
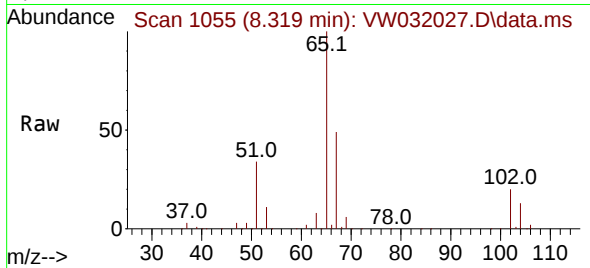




#33
 1,2-Dichloroethane-d4
 Concen: 50.431 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032027.D
 Acq: 06 Aug 2025 13:09

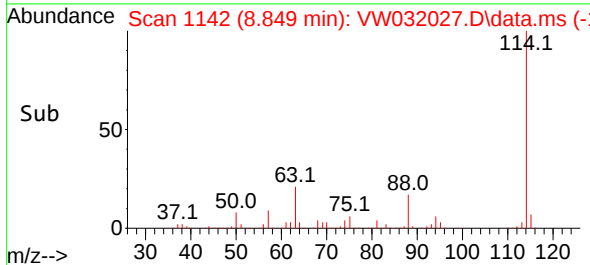
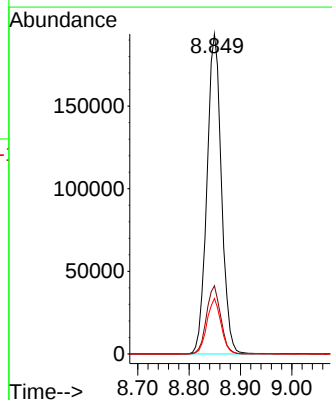
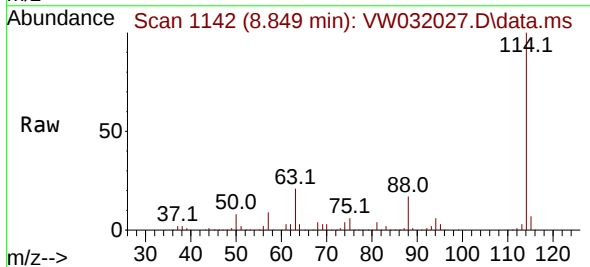
Instrument :
 MSVOA_W
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 RT5414

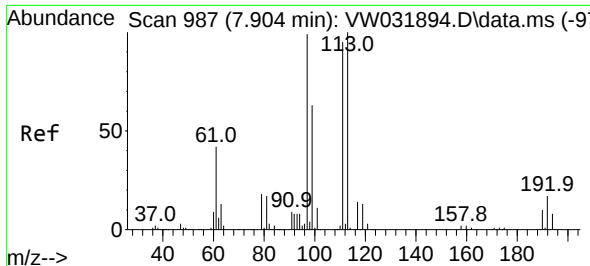
Tgt Ion: 65 Resp: 135602
 Ion Ratio Lower Upper
 65 100
 67 51.2 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW032027.D
 Acq: 06 Aug 2025 13:09

Tgt Ion: 114 Resp: 378625
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 44.2
 88 17.3 0.0 35.6

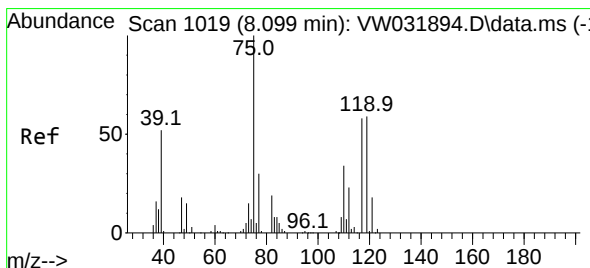
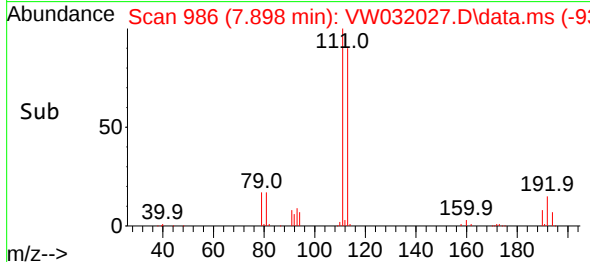
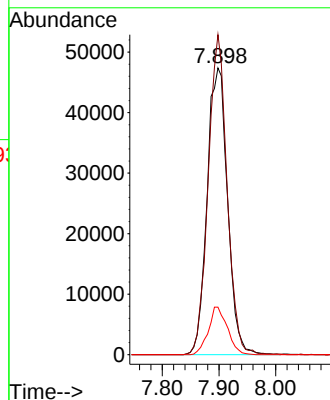
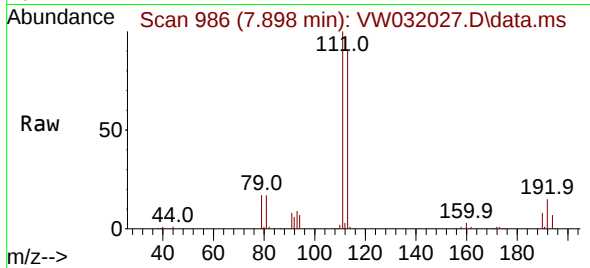




#35
 Dibromofluoromethane
 Concen: 46.241 ug/l
 RT: 7.898 min Scan# 994
 Delta R.T. -0.006 min
 Lab File: VW032027.D
 Acq: 06 Aug 2025 13:09

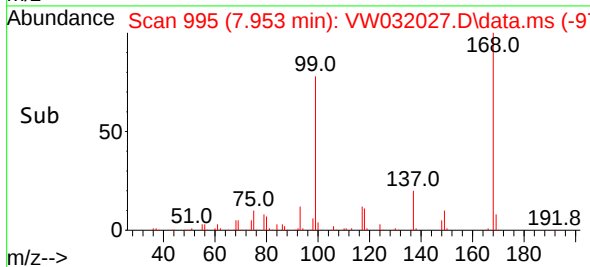
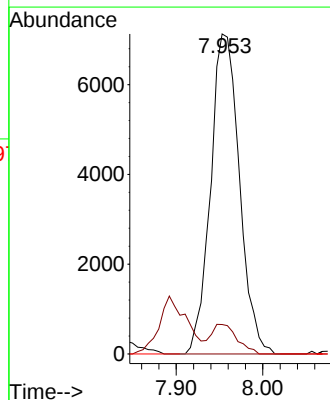
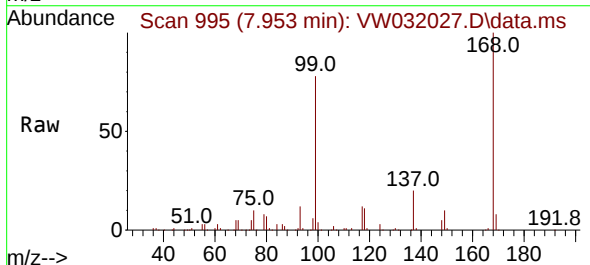
Instrument :
 MSVOA_W
 ClientSampleId :
 RT5414

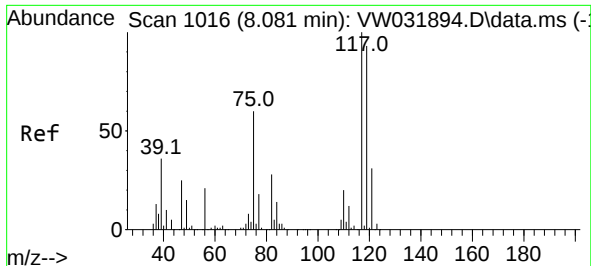
Tgt Ion:113	Resp:	118969
Ion	Ratio	Lower Upper
113	100	
111	103.2	79.9 119.9
192	15.4	12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.180 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.146 min
 Lab File: VW032027.D
 Acq: 06 Aug 2025 13:09

Tgt Ion: 75	Resp:	16515
Ion	Ratio	Lower Upper
75	100	
110	8.6	17.0 50.9#
77	0.0	25.1 37.7#

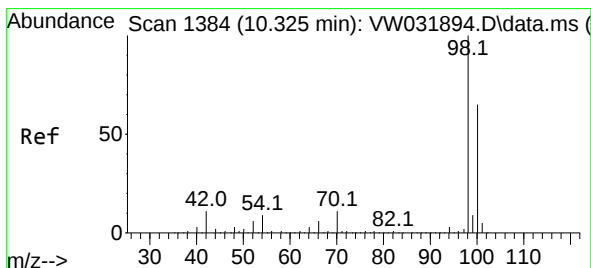
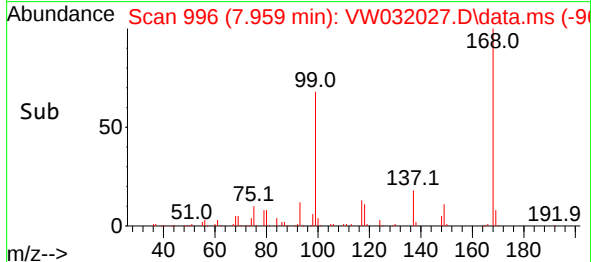
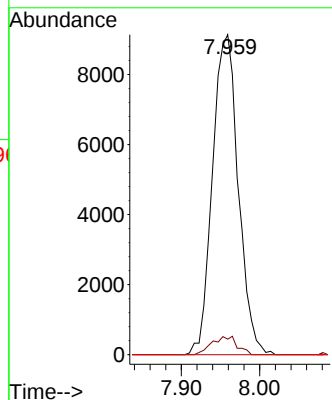
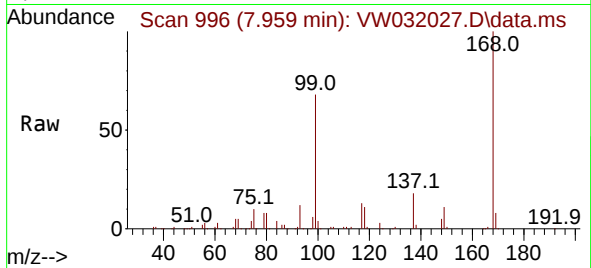




#38
Carbon Tetrachloride
Concen: 5.524 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.122 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

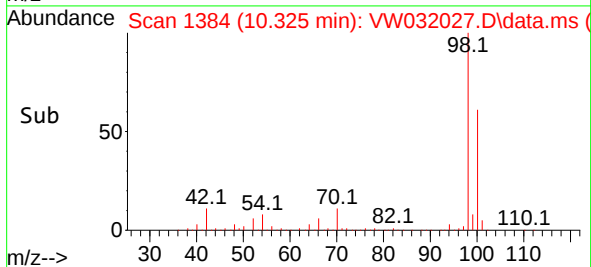
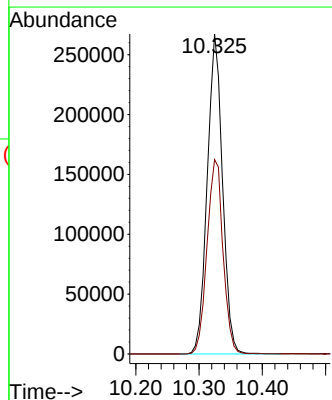
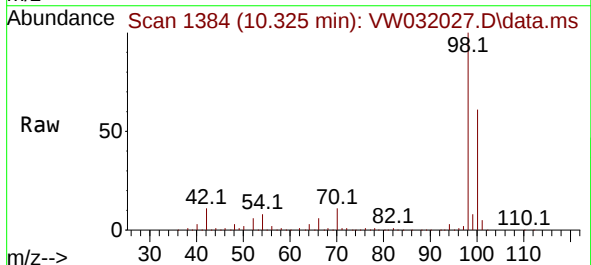
Instrument :
MSVOA_W
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Tgt Ion:117 Resp: 20946
Ion Ratio Lower Upper
117 100
119 4.9 74.3 111.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 46.138 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. -0.000 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

Tgt Ion: 98 Resp: 449258
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5

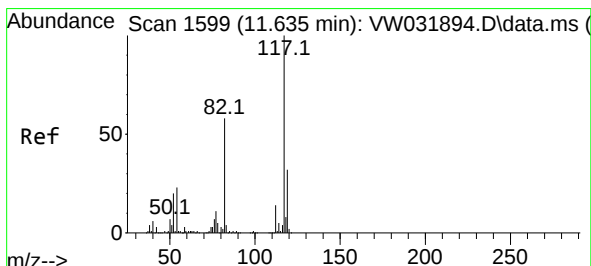
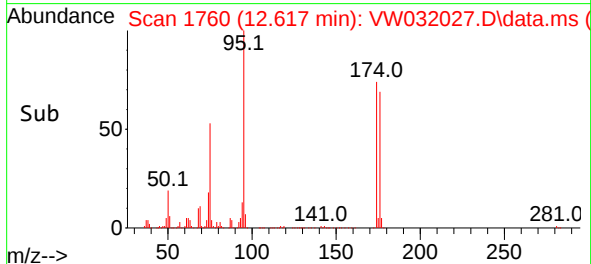
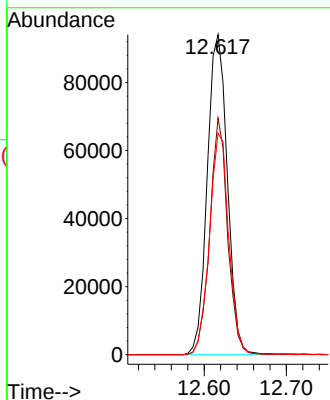
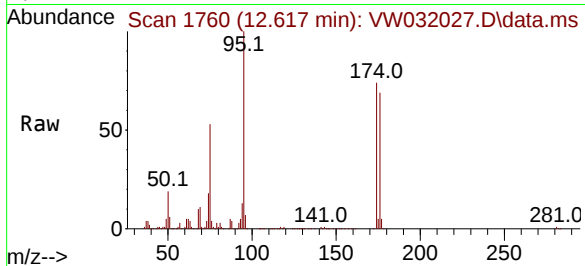




#62
4-Bromofluorobenzene
Concen: 42.697 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

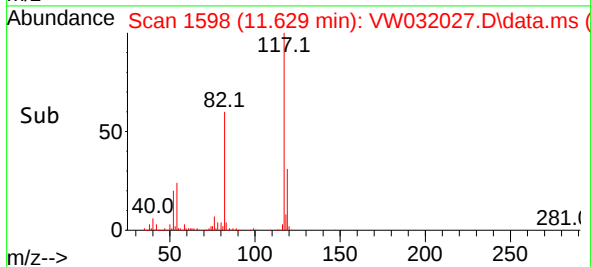
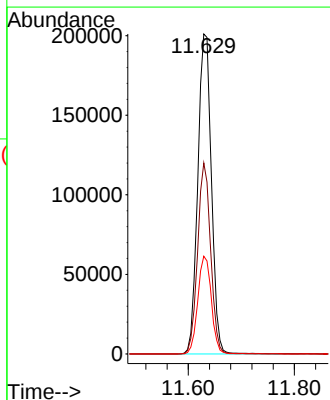
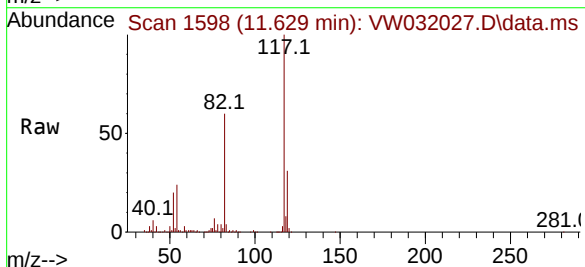
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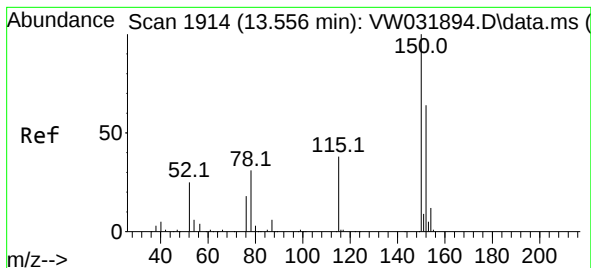
Tgt Ion: 95 Resp: 159640
Ion Ratio Lower Upper
95 100
174 65.8 0.0 129.8
176 66.6 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

Tgt Ion: 117 Resp: 358545
Ion Ratio Lower Upper
117 100
82 59.7 46.5 69.7
119 30.6 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: VW032027.D

Acq: 06 Aug 2025 13:09

Instrument :

MSVOA_W

ClientSampleId :

RT5414

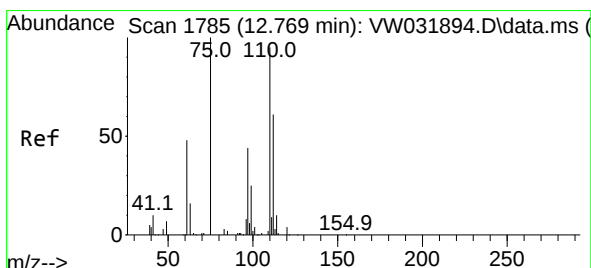
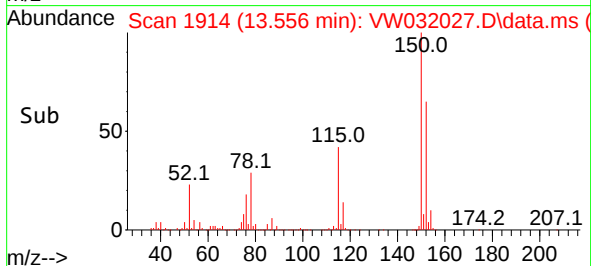
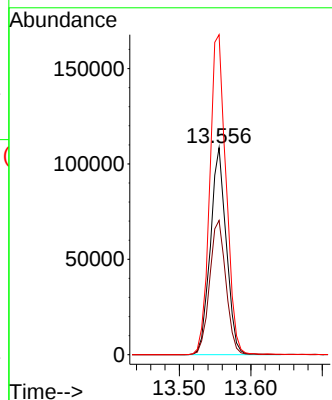
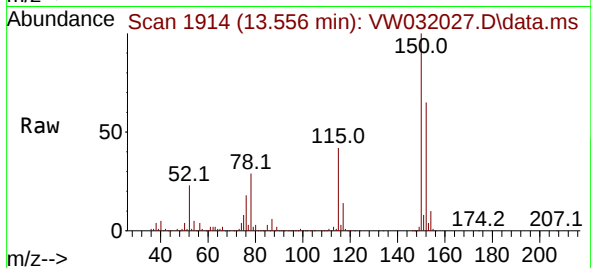
Tgt Ion:152 Resp: 167910

Ion Ratio Lower Upper

152 100

115 66.4 33.4 100.1

150 158.3 0.0 352.2



#76

1,2,3-Trichloropropane

Concen: 35.455 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.152 min

Lab File: VW032027.D

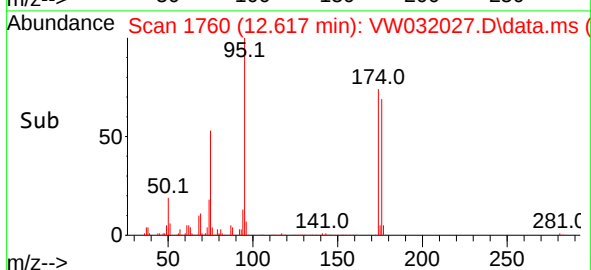
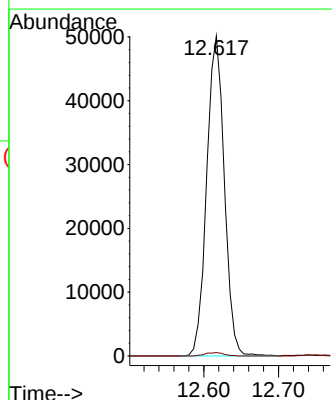
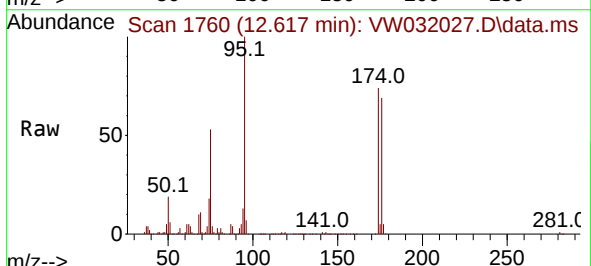
Acq: 06 Aug 2025 13:09

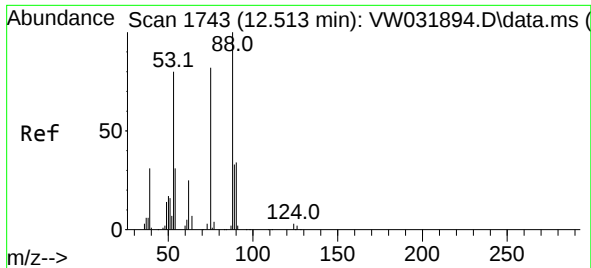
Tgt Ion: 75 Resp: 82193

Ion Ratio Lower Upper

75 100

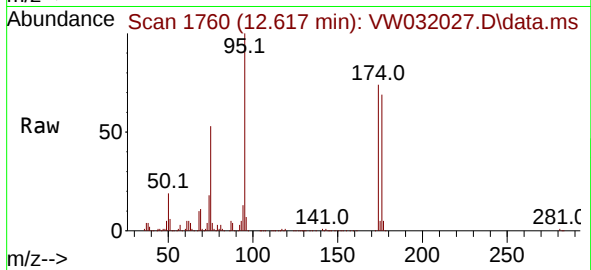
77 1.1 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 81.855 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.104 min
Lab File: VW032027.D
Acq: 06 Aug 2025 13:09

Instrument :
MSVOA_W
ClientSampleId :
RT5414



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.1	83.7	125.5#
89	0.0	39.0	58.6#

