

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW080525\
 Data File : VW032014.D
 Acq On : 05 Aug 2025 15:43
 Operator : SY/MD
 Sample : Q2774-09
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 248

Quant Time: Aug 06 03:55:41 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)

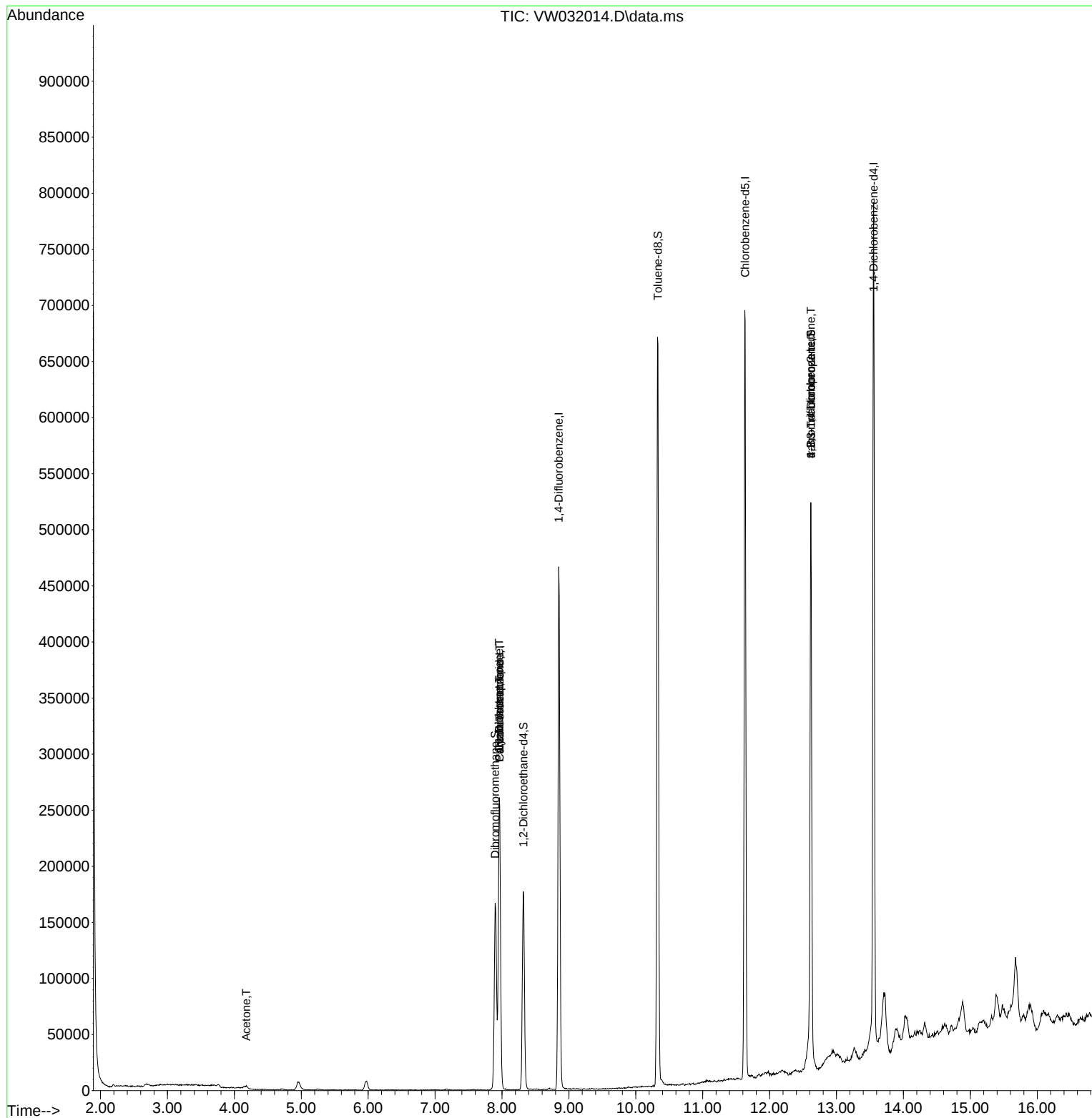
Internal Standards						
1) Pentafluorobenzene	7.965	168	180962	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	389531	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	376792	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	190894	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	146227	53.416	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	= 106.840%		
35) Dibromofluoromethane	7.898	113	122340	46.220	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	= 92.440%		
50) Toluene-d8	10.331	98	459325	45.851	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	= 91.700%		
62) 4-Bromofluorobenzene	12.617	95	187444	48.729	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	= 97.460%		
Target Compounds						
					Qvalue	
13) Acrolein	3.905	56	41	Below Cal	#	1
16) Acetone	4.179	43	2929	4.509	ug/l #	72
20) Methylene Chloride	4.960	84	6481	Below Cal		98
31) Cyclohexane	7.959	56	4581	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	17247	4.243	ug/l #	49
38) Carbon Tetrachloride	7.965	117	21064	5.399	ug/l #	19
76) 1,2,3-Trichloropropane	12.617	75	90829	34.463	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.617	75	90829	79.565	ug/l #	8

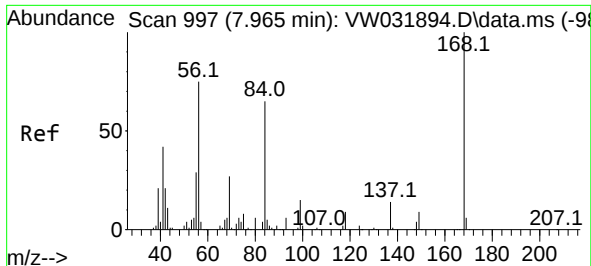
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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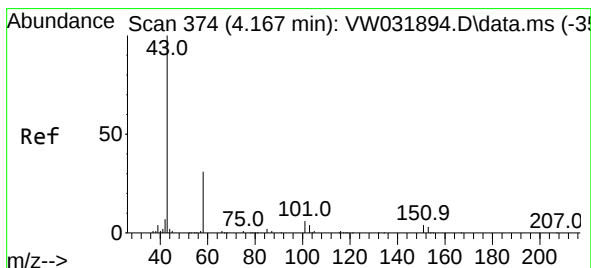
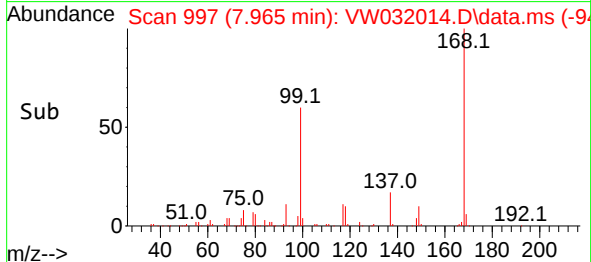
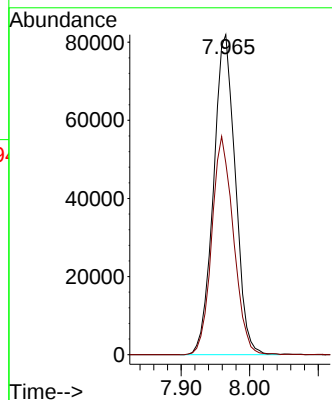
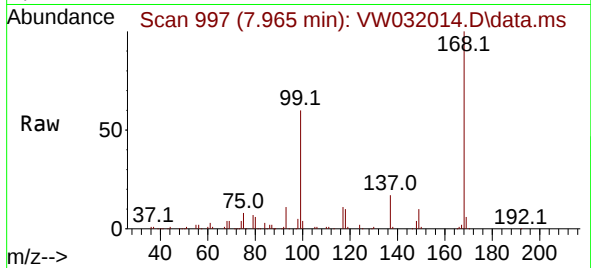




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 99
Delta R.T. 0.000 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

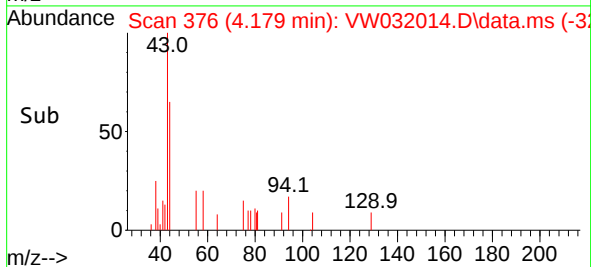
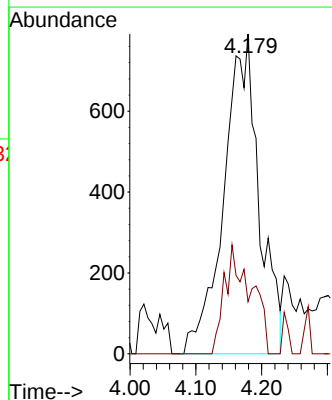
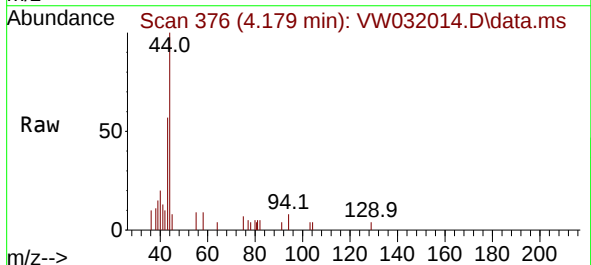
Instrument :
MSVOA_W
ClientSampleId :
248

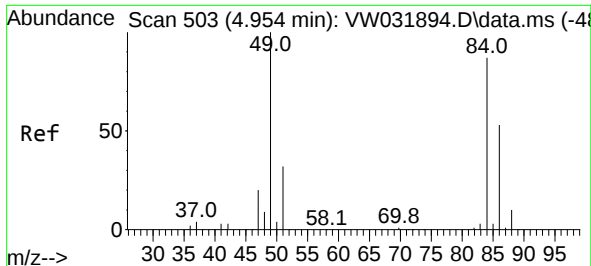
Tgt Ion:168 Resp: 180962
Ion Ratio Lower Upper
168 100
99 60.0 48.2 72.2



#16
Acetone
Concen: 4.509 ug/l
RT: 4.179 min Scan# 376
Delta R.T. 0.012 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

Tgt Ion: 43 Resp: 2929
Ion Ratio Lower Upper
43 100
58 16.3 25.5 38.3#

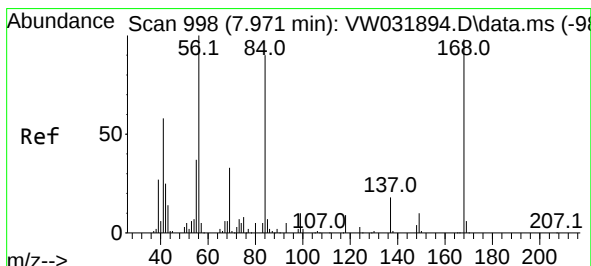
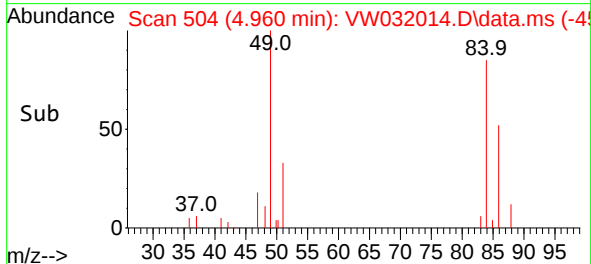
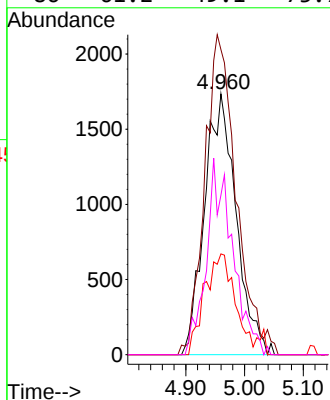
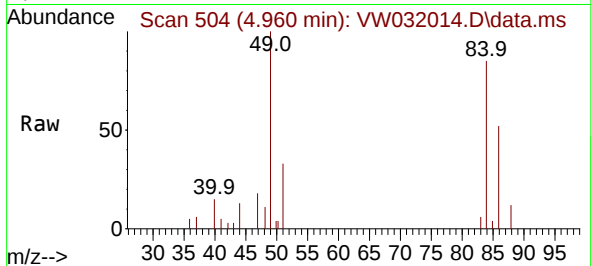




#20
Methylene Chloride
Concen: Below Cal
RT: 4.960 min Scan# 503
Delta R.T. 0.006 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

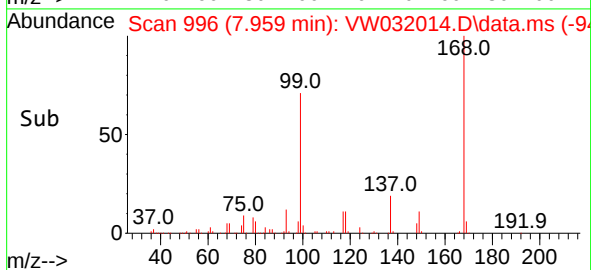
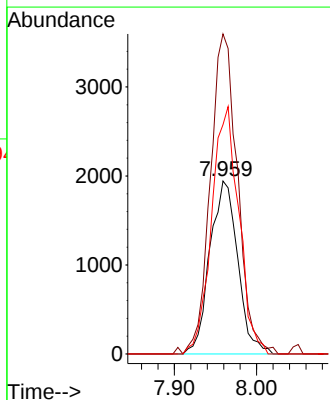
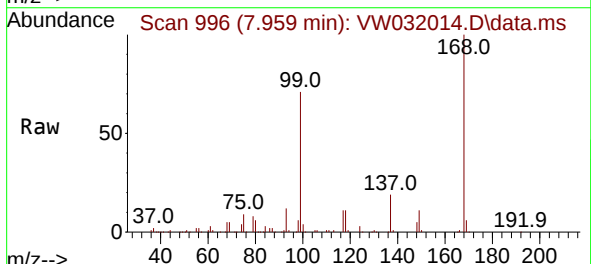
Instrument :
MSVOA_W
ClientSampleId :
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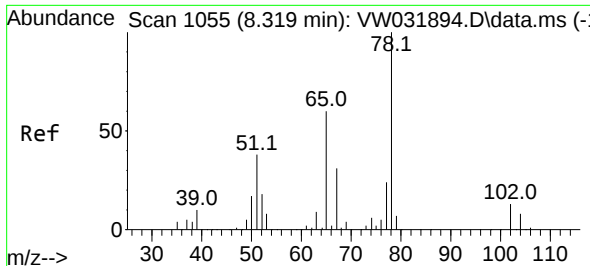
Tgt Ion:	84	Resp:	6481
Ion	Ratio	Lower	Upper
84	100		
49	117.0	91.9	137.9
51	38.7	29.0	43.6
86	61.2	49.1	73.7



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

Tgt Ion:	56	Resp:	4581
Ion	Ratio	Lower	Upper
56	100		
69	185.1	26.7	40.1#
84	132.6	71.8	107.6#

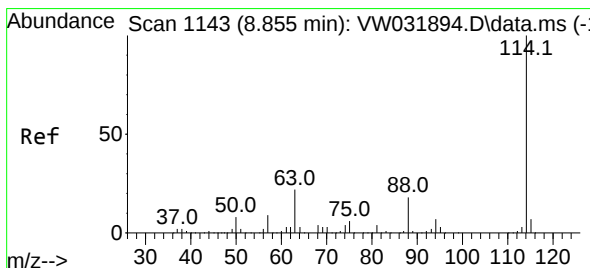
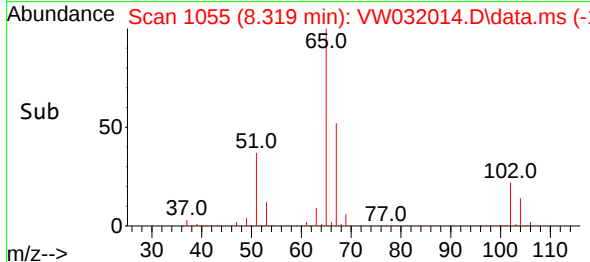
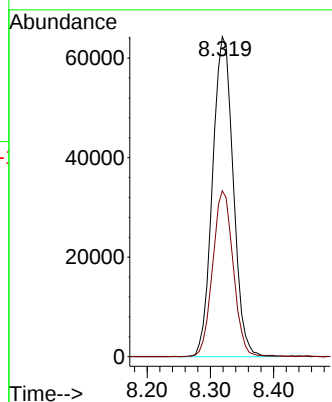
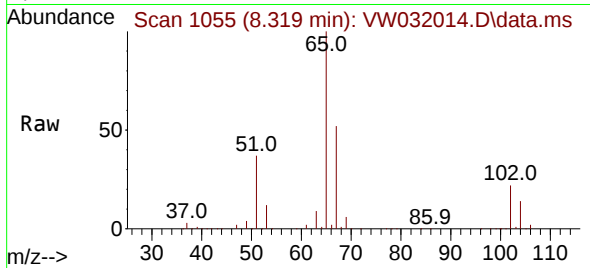




#33
1,2-Dichloroethane-d4
Concen: 53.416 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

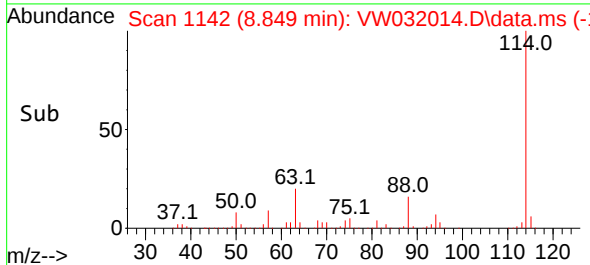
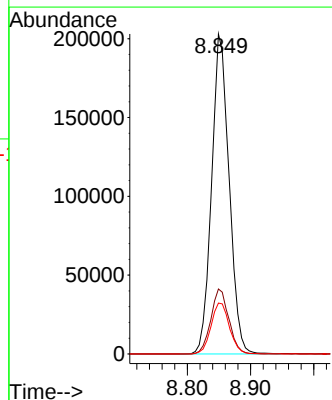
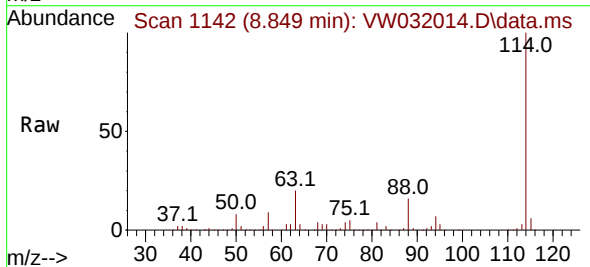
Instrument :
MSVOA_W
ClientSampleId :
248

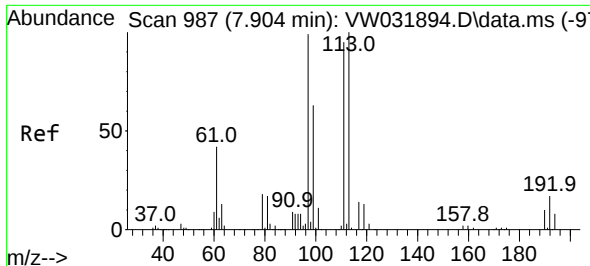
Tgt Ion: 65 Resp: 146227
Ion Ratio Lower Upper
65 100
67 51.5 0.0 101.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.849 min Scan# 1142
Delta R.T. -0.006 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

Tgt Ion: 114 Resp: 389531
Ion Ratio Lower Upper
114 100
63 20.3 0.0 44.2
88 15.9 0.0 35.6

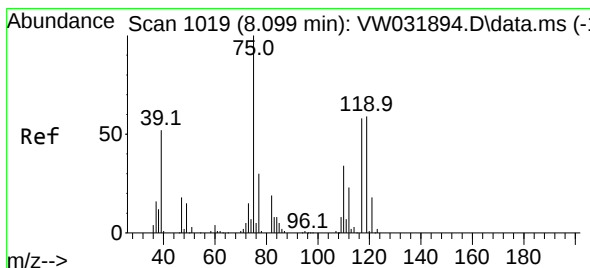
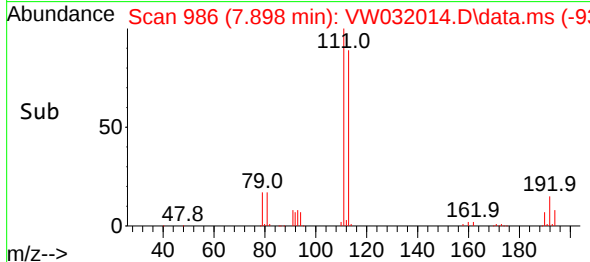
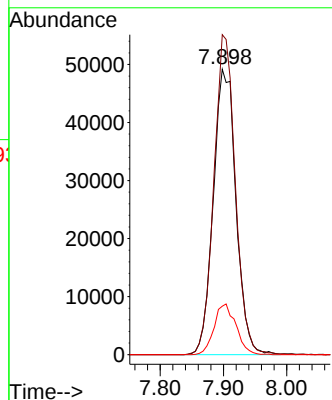
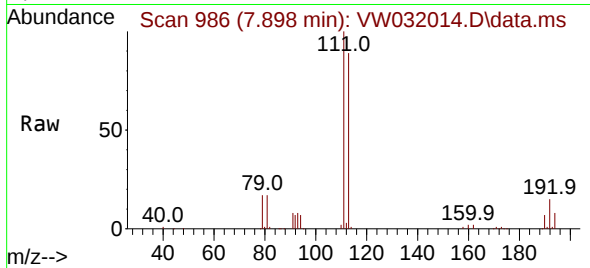




#35
 Dibromofluoromethane
 Concen: 46.220 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW032014.D
 Acq: 05 Aug 2025 15:43

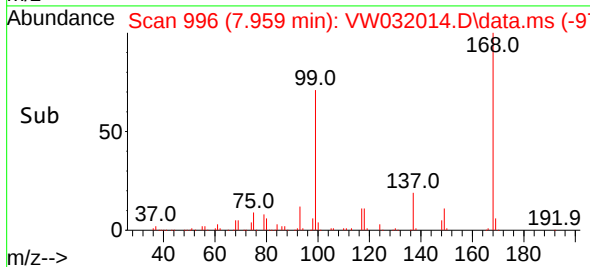
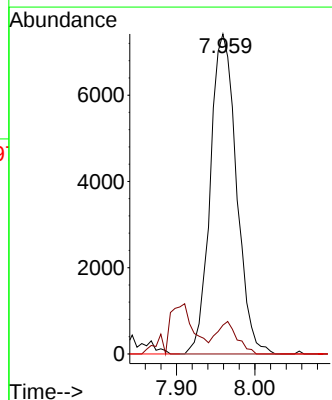
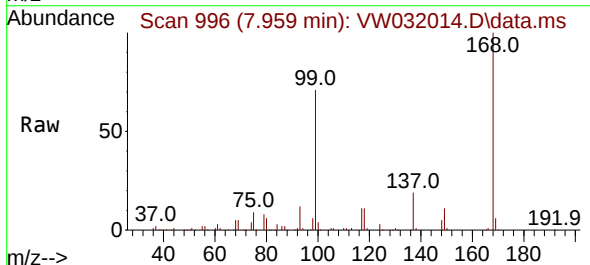
Instrument :
 MSVOA_W
 ClientSampleId :
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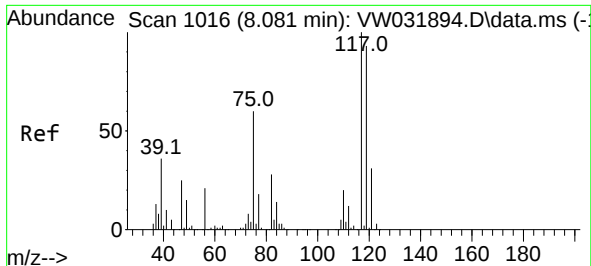
Tgt Ion: 113 Resp: 122340
 Ion Ratio Lower Upper
 113 100
 111 105.8 79.9 119.9
 192 17.2 12.6 19.0



#36
 1,1-Dichloropropene
 Concen: 4.243 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.140 min
 Lab File: VW032014.D
 Acq: 05 Aug 2025 15:43

Tgt Ion: 75 Resp: 17247
 Ion Ratio Lower Upper
 75 100
 110 8.0 17.0 50.9#
 77 0.0 25.1 37.7#

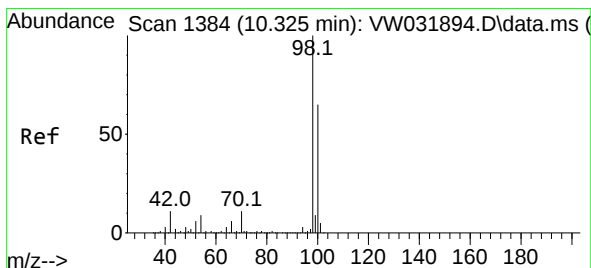
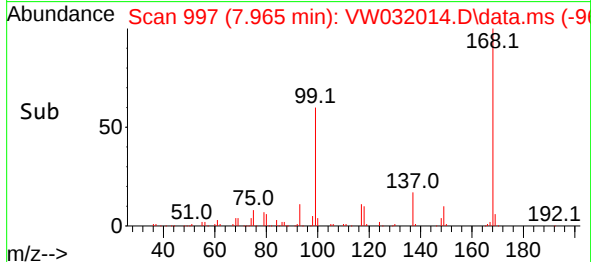
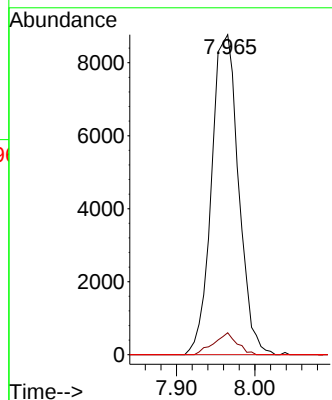
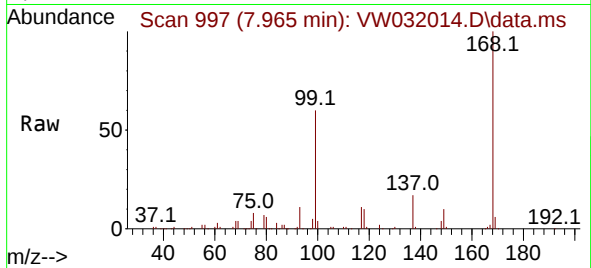




#38
Carbon Tetrachloride
Concen: 5.399 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

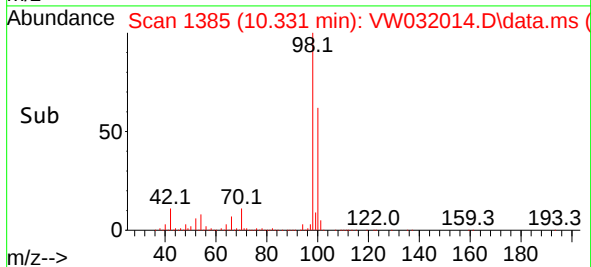
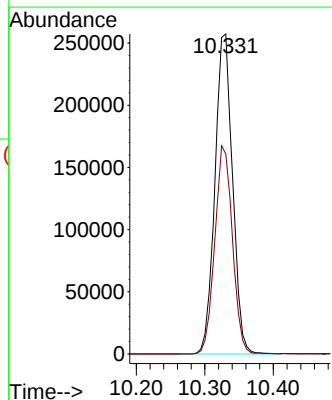
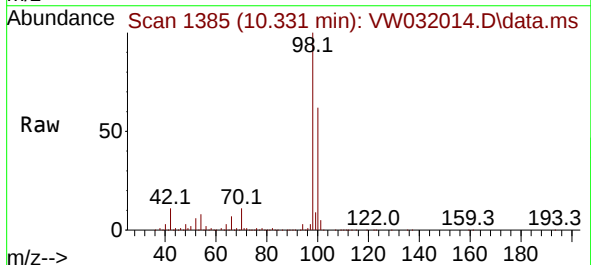
Instrument :
MSVOA_W
ClientSampleId :
248

Tgt Ion:117 Resp: 21064
Ion Ratio Lower Upper
117 100
119 6.8 74.3 111.5#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 45.851 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

Tgt Ion: 98 Resp: 459325
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

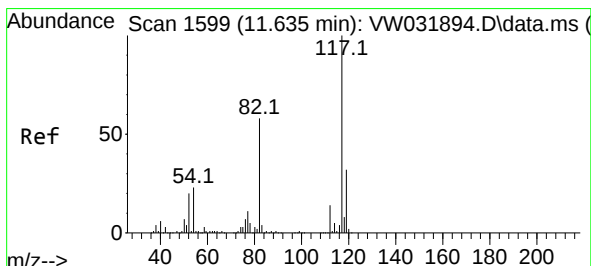
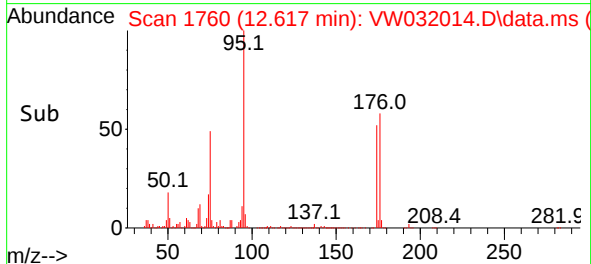
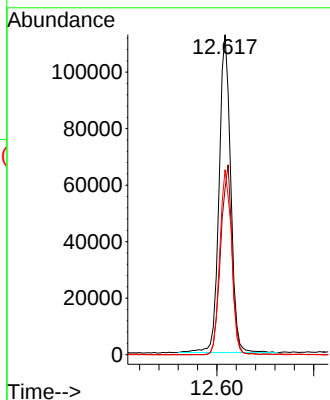
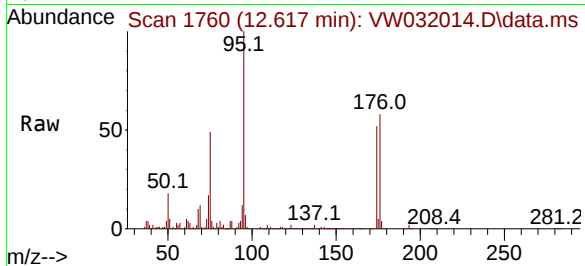




#62
4-Bromofluorobenzene
Concen: 48.729 ug/l
RT: 12.617 min Scan# 1176
Delta R.T. -0.000 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

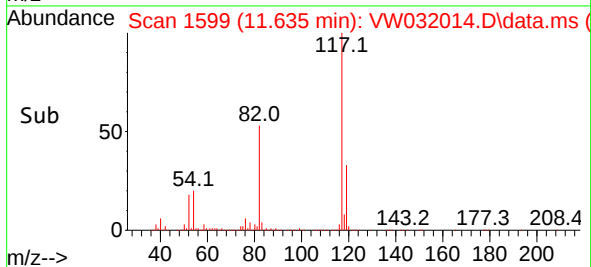
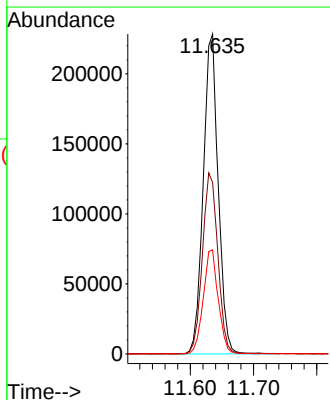
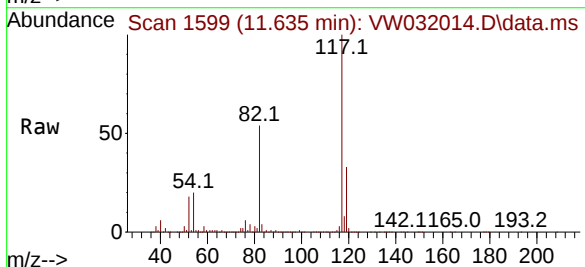
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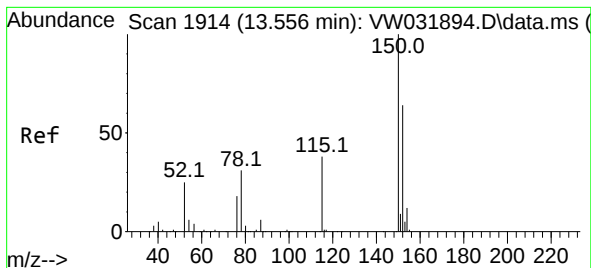
Tgt Ion: 95 Resp: 187444
Ion Ratio Lower Upper
95 100
174 58.7 0.0 129.8
176 58.7 0.0 130.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. -0.000 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

Tgt Ion: 117 Resp: 376792
Ion Ratio Lower Upper
117 100
82 53.4 46.5 69.7
119 32.5 25.8 38.6

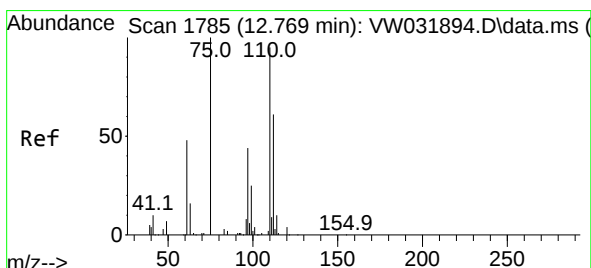
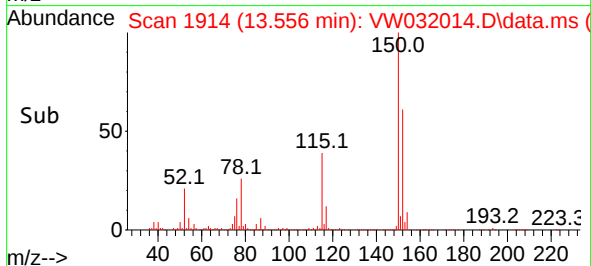
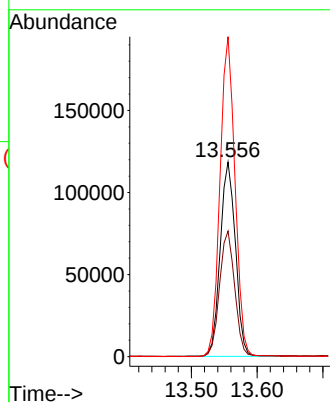
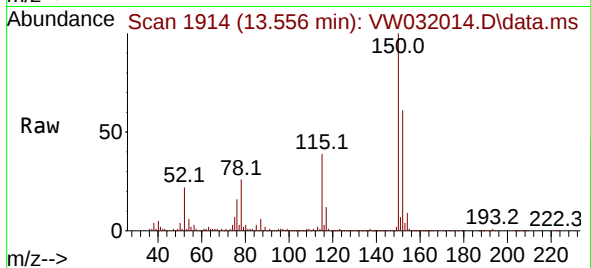




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

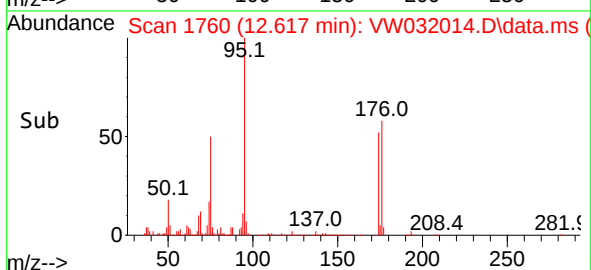
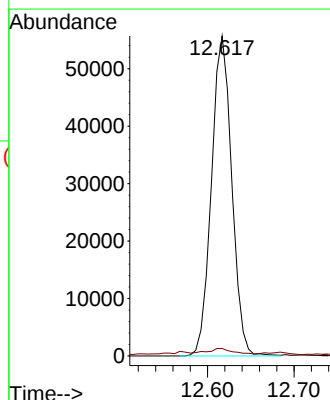
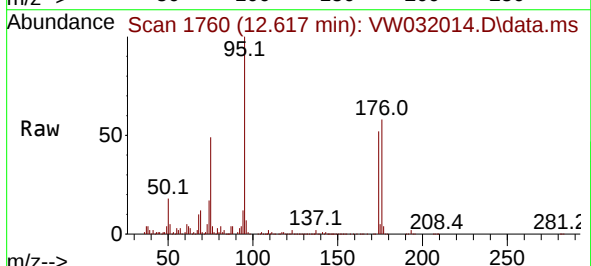
Instrument :
MSVOA_W
ClientSampleId :
248

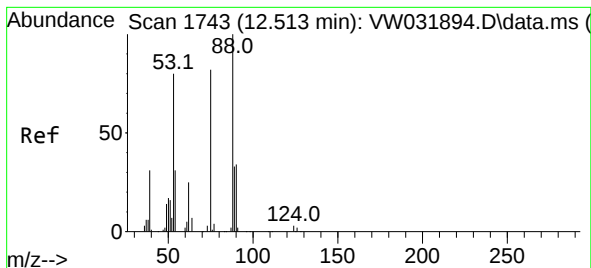
Tgt Ion:152 Resp: 190894
Ion Ratio Lower Upper
152 100
115 64.6 33.4 100.1
150 162.0 0.0 352.2



#76
1,2,3-Trichloropropane
Concen: 34.463 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.152 min
Lab File: VW032014.D
Acq: 05 Aug 2025 15:43

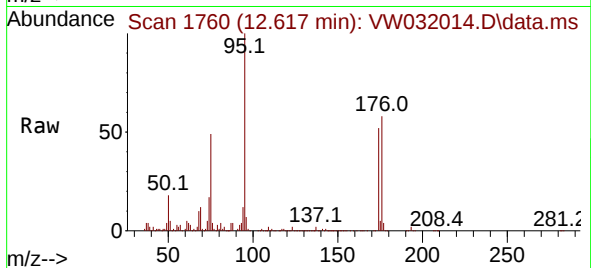
Tgt Ion: 75 Resp: 90829
Ion Ratio Lower Upper
75 100
77 2.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 79.565 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VW032014.D
 Acq: 05 Aug 2025 15:43

Instrument :
 MSVOA_W
 ClientSampleId :
 248



Tgt Ion: 75 Resp: 90829
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.7 125.5#
 89 0.0 39.0 58.6#

