

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW072325\
 Data File : VW031904.D
 Acq On : 23 Jul 2025 11:52
 Operator : SY/MD
 Sample : Q2668-03
 Misc : 4.23g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-VOC

Quant Time: Jul 24 02:50:09 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)

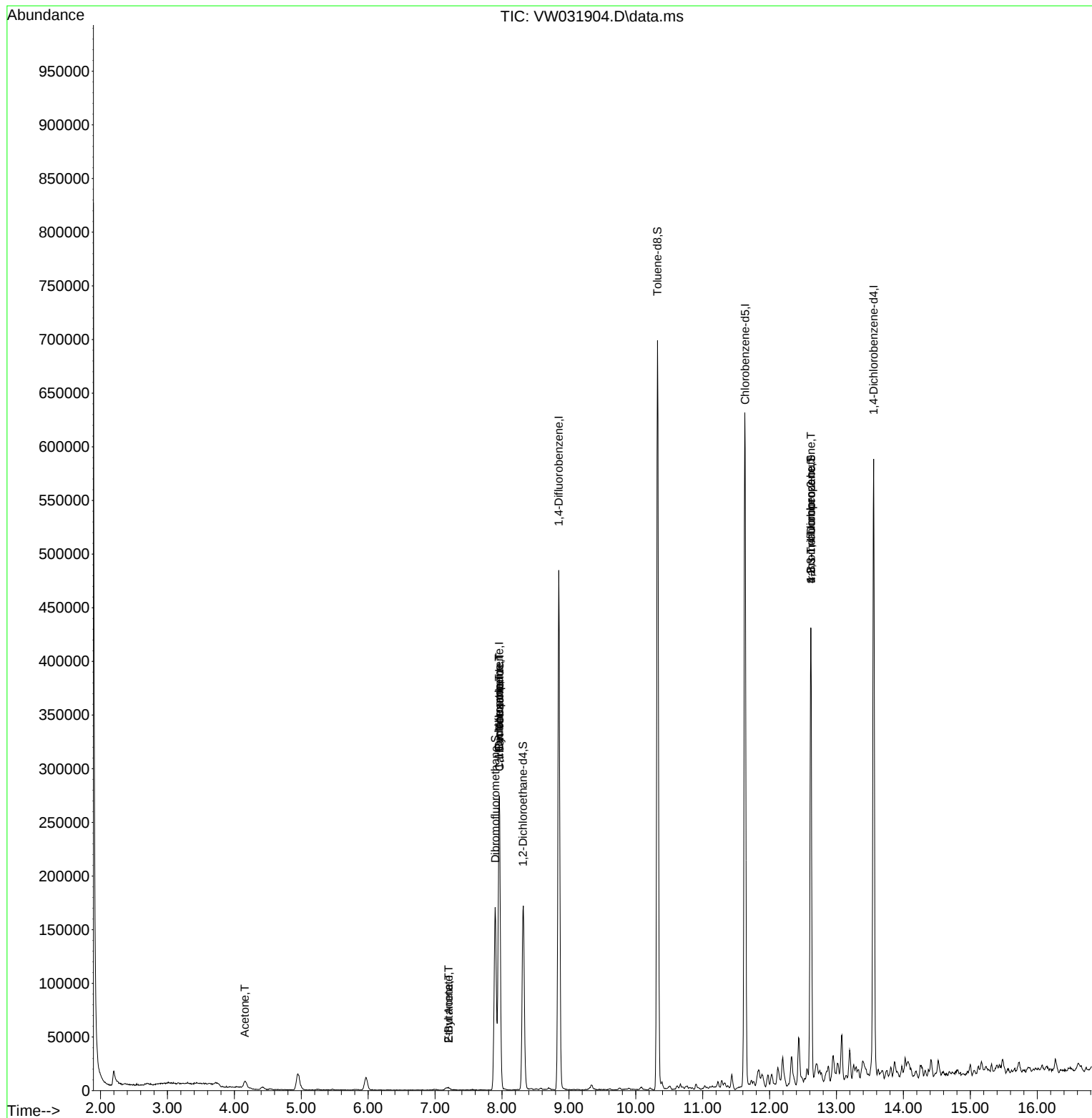
Internal Standards							
1) Pentafluorobenzene		7.959	168	184054	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.849	114	393072	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.635	117	342365	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.556	152	145319	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.313	65	142208	51.076	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	102.160%	
35) Dibromofluoromethane		7.898	113	124696	46.686	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	93.380%	
50) Toluene-d8		10.324	98	456182	45.127	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	90.260%	
62) 4-Bromofluorobenzene		12.617	95	155846	40.150	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	80.300%	
Target Compounds							
						Qvalue	
13) Acrolein		3.941	56	115	Below Cal	#	1
16) Acetone		4.155	43	12460	18.859	ug/l	95
25) 2-Butanone		7.203	43	3540	3.916	ug/l #	84
31) Cyclohexane		7.959	56	4859	1.138	ug/l #	5
36) 1,1-Dichloropropene		7.953	75	17859	4.354	ug/l #	50
37) Ethyl Acetate		7.203	43	3540	1.513	ug/l #	69
38) Carbon Tetrachloride		7.965	117	22038	5.598	ug/l #	16
76) 1,2,3-Trichloropropane		12.617	75	79373	39.561	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.617	75	79373	91.335	ug/l #	8

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

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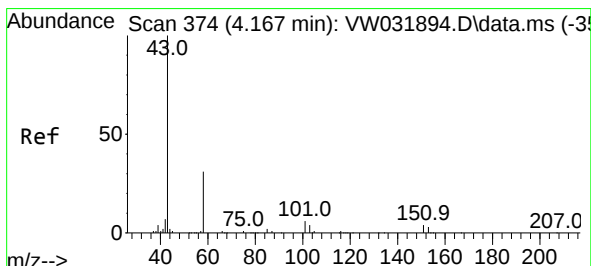
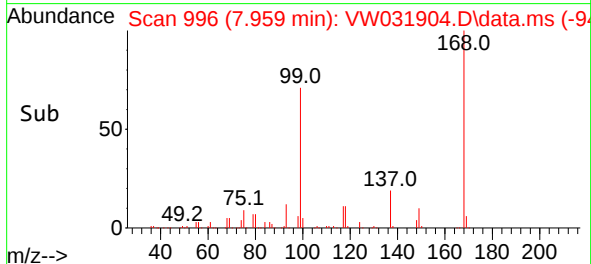
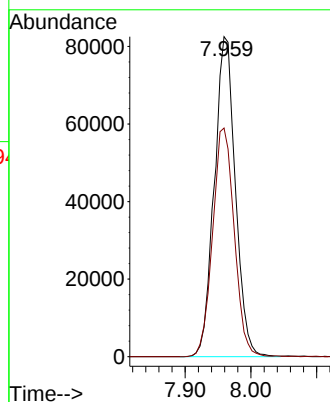
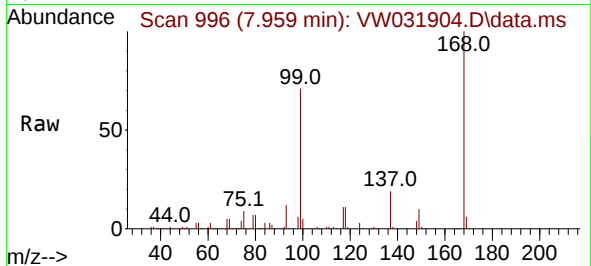




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.006 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

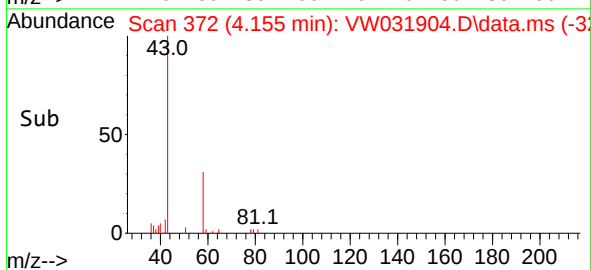
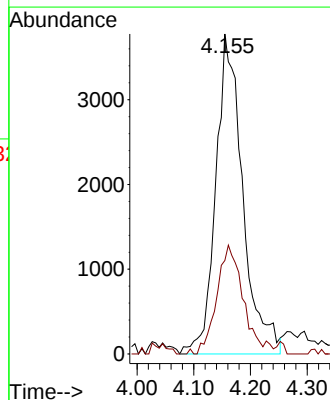
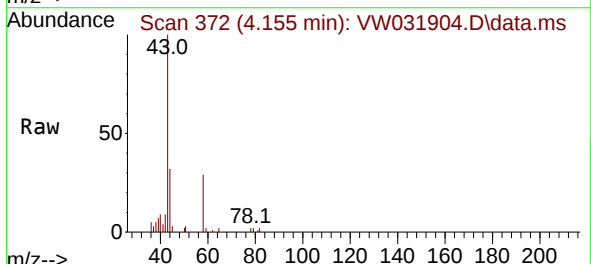
Instrument :
MSVOA_W
ClientSampleId :
TP-2-VOC

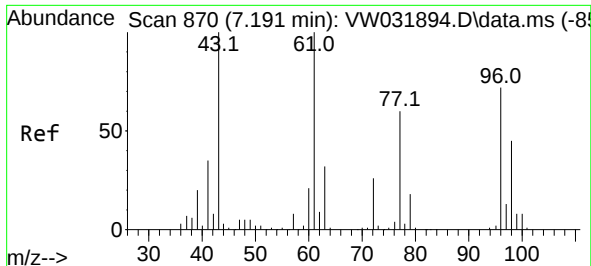
Tgt Ion:168 Resp: 184054
Ion Ratio Lower Upper
168 100
99 71.4 48.2 72.2



#16
Acetone
Concen: 18.859 ug/l
RT: 4.155 min Scan# 372
Delta R.T. -0.012 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

Tgt Ion: 43 Resp: 12460
Ion Ratio Lower Upper
43 100
58 29.2 25.5 38.3

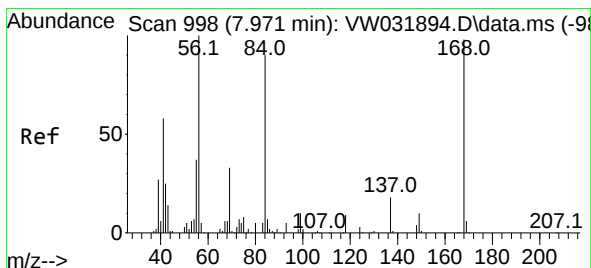
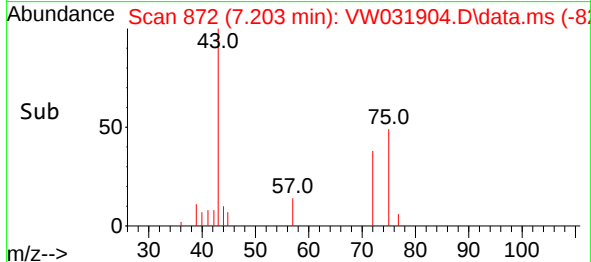
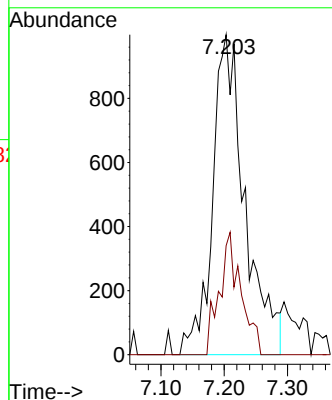
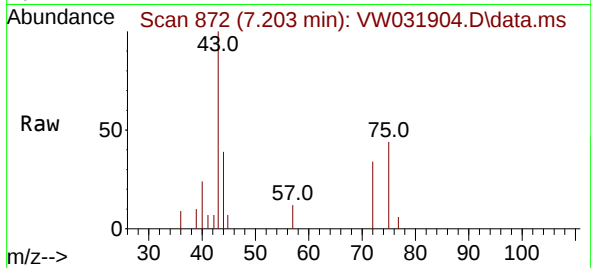




#25
2-Butanone
Concen: 3.916 ug/l
RT: 7.203 min Scan# 81
Delta R.T. 0.012 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

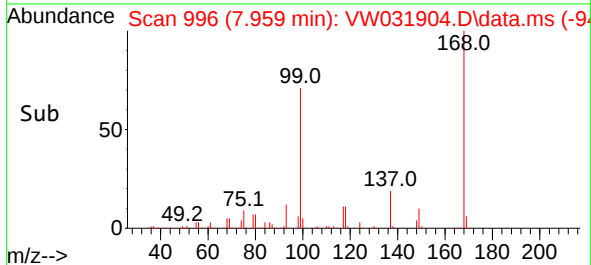
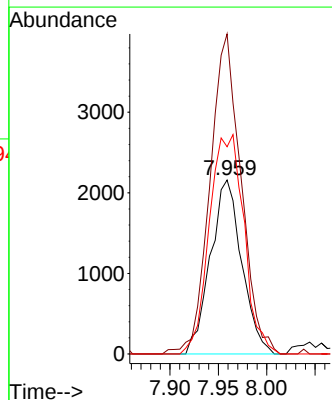
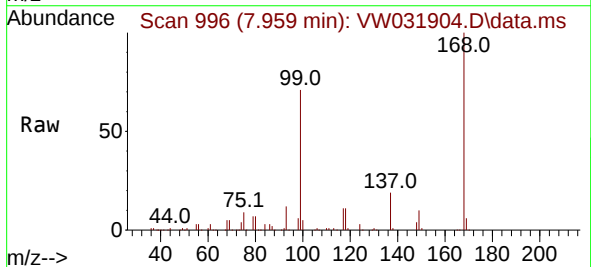
Instrument :
MSVOA_W
ClientSampleId :
TP-2-VOC

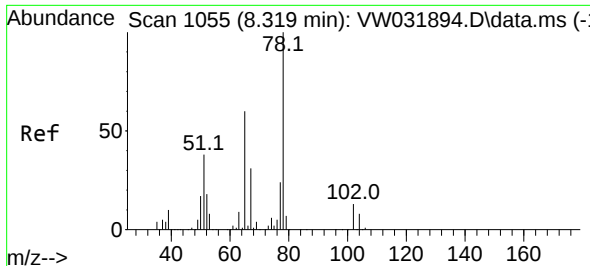
Tgt Ion: 43 Resp: 3540
Ion Ratio Lower Upper
43 100
72 34.0 20.8 31.2#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

Tgt Ion: 56 Resp: 4859
Ion Ratio Lower Upper
56 100
69 184.1 26.7 40.1#
84 119.1 71.8 107.6#

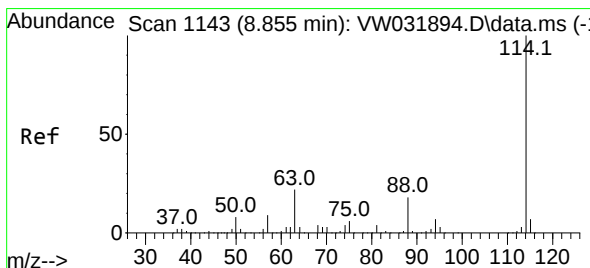
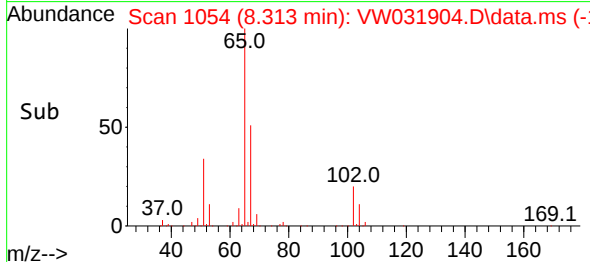
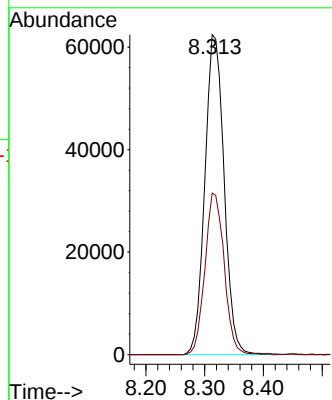
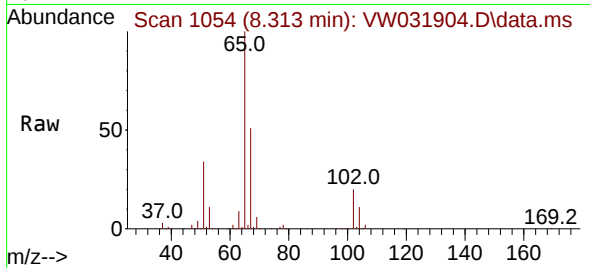




#33
 1,2-Dichloroethane-d4
 Concen: 51.076 ug/l
 RT: 8.313 min Scan# 1055
 Delta R.T. -0.006 min
 Lab File: VW031904.D
 Acq: 23 Jul 2025 11:52

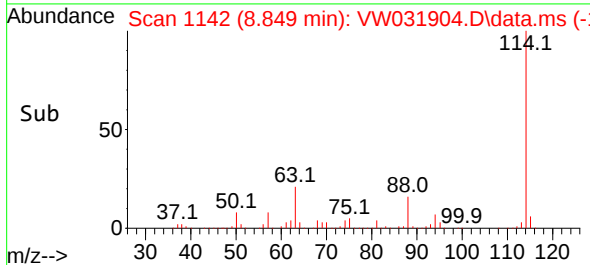
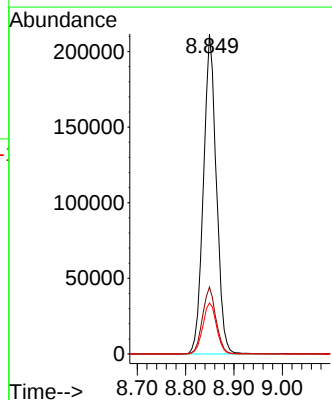
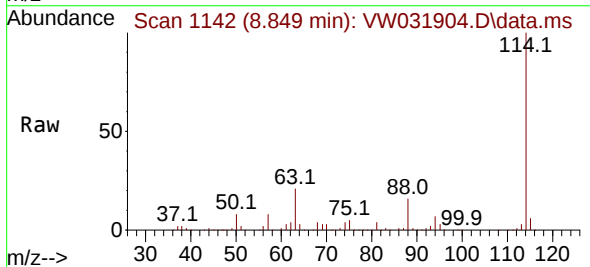
Instrument :
 MSVOA_W
 ClientSampleId :
 TP-2-VOC

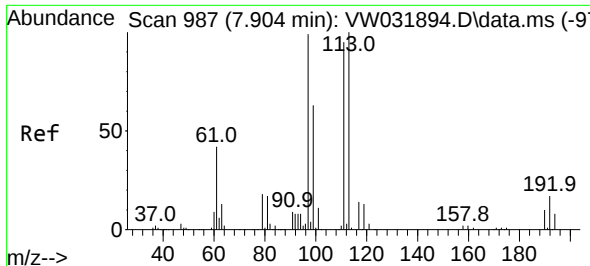
Tgt Ion: 65 Resp: 142208
 Ion Ratio Lower Upper
 65 100
 67 50.4 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. -0.006 min
 Lab File: VW031904.D
 Acq: 23 Jul 2025 11:52

Tgt Ion: 114 Resp: 393072
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 44.2
 88 15.9 0.0 35.6

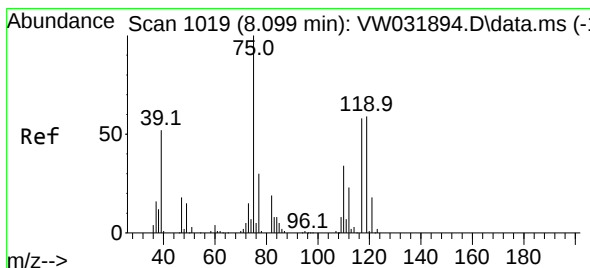
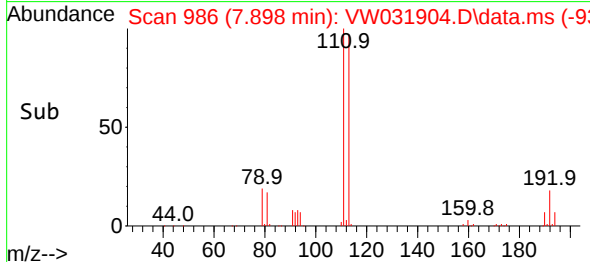
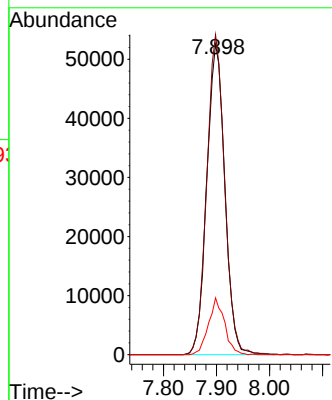
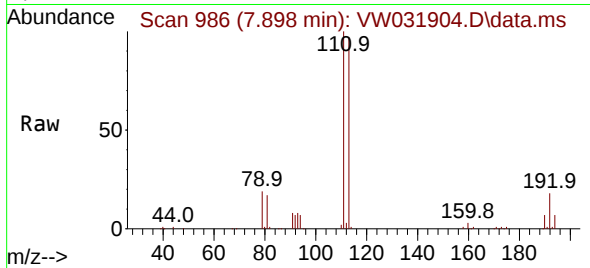




#35
Dibromofluoromethane
Concen: 46.686 ug/l
RT: 7.898 min Scan# 994
Delta R.T. -0.006 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

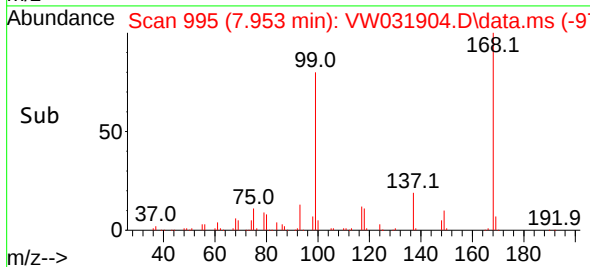
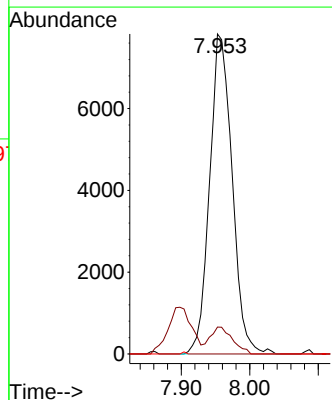
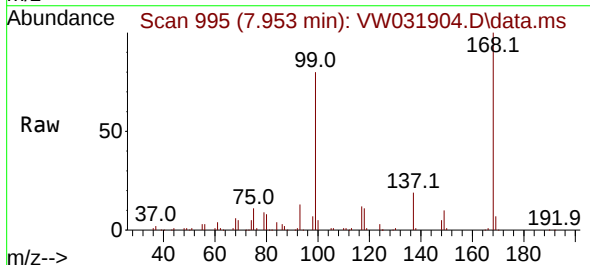
Instrument :
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ClientSampleId :
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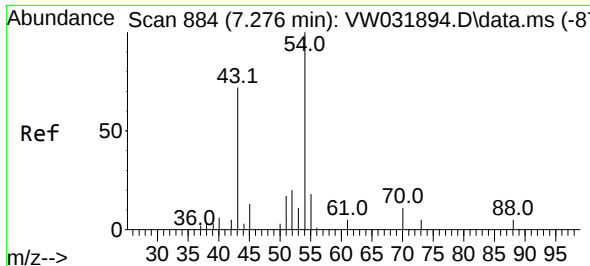
Tgt Ion:113 Resp: 124696
Ion Ratio Lower Upper
113 100
111 101.6 79.9 119.9
192 16.3 12.6 19.0



#36
1,1-Dichloropropene
Concen: 4.354 ug/l
RT: 7.953 min Scan# 995
Delta R.T. -0.146 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

Tgt Ion: 75 Resp: 17859
Ion Ratio Lower Upper
75 100
110 8.5 17.0 50.9#
77 0.0 25.1 37.7#

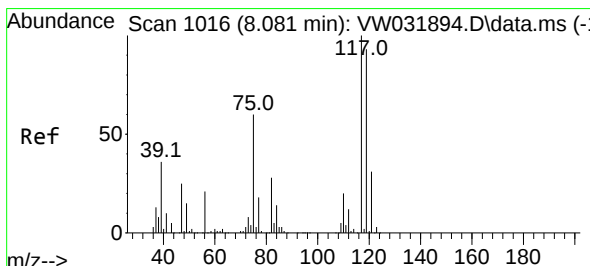
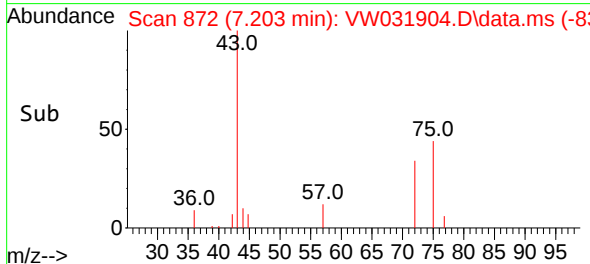
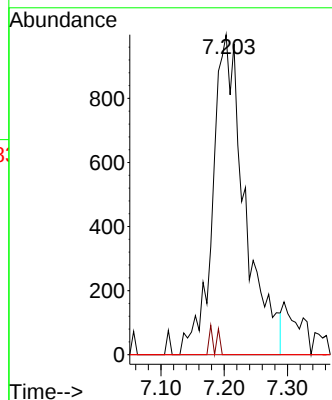
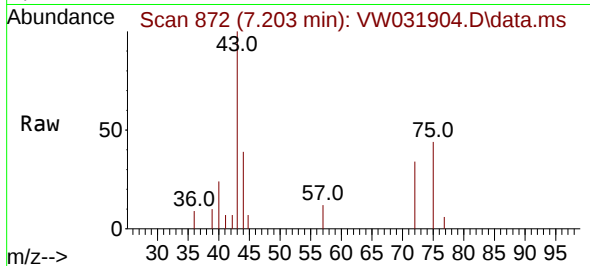




#37
Ethyl Acetate
Concen: 1.513 ug/l
RT: 7.203 min Scan# 81
Delta R.T. -0.073 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

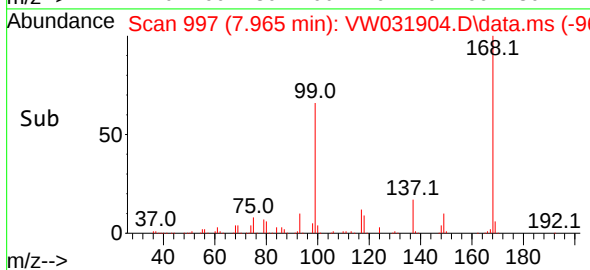
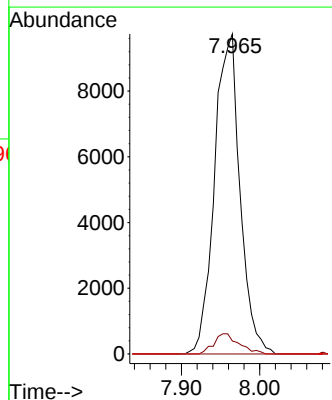
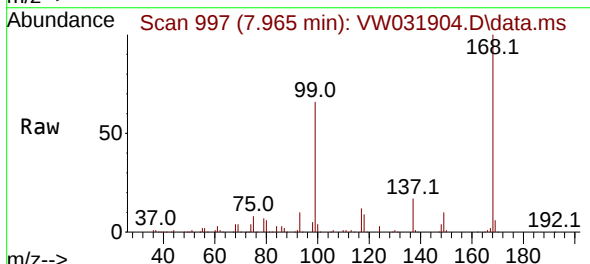
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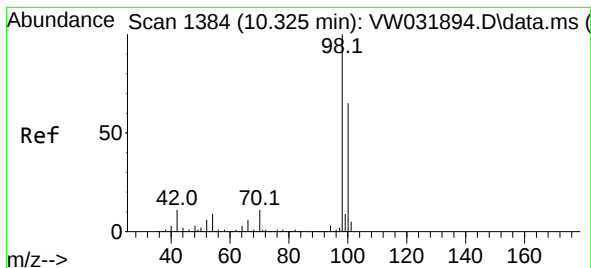
Tgt Ion: 43 Resp: 3540
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 9.0 13.4#



#38
Carbon Tetrachloride
Concen: 5.598 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

Tgt Ion: 117 Resp: 22038
Ion Ratio Lower Upper
117 100
119 4.1 74.3 111.5#
121 0.0 24.6 37.0#

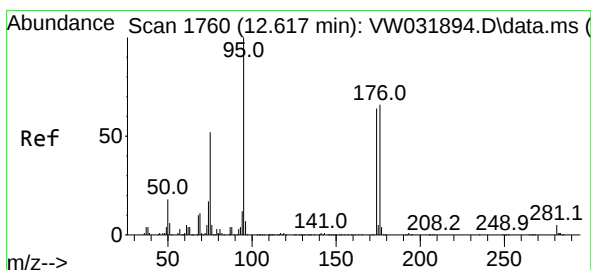
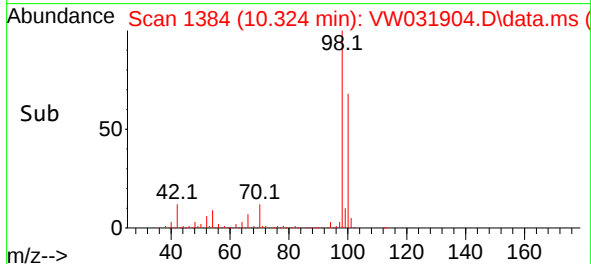
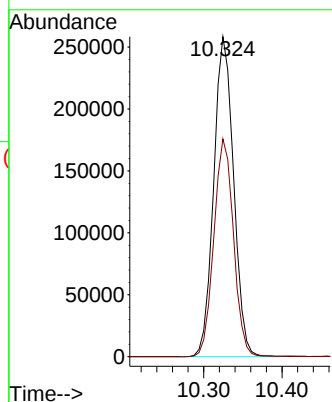
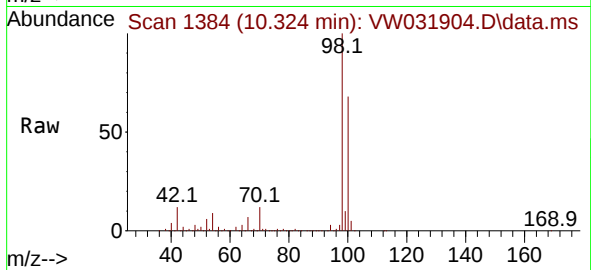




#50
Toluene-d8
Concen: 45.127 ug/l
RT: 10.324 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

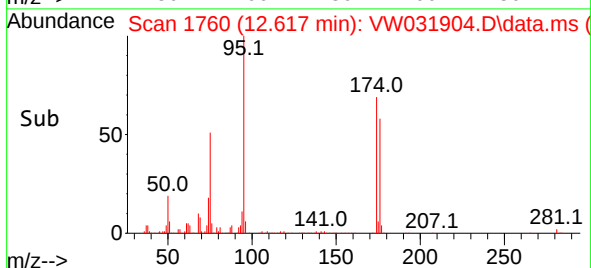
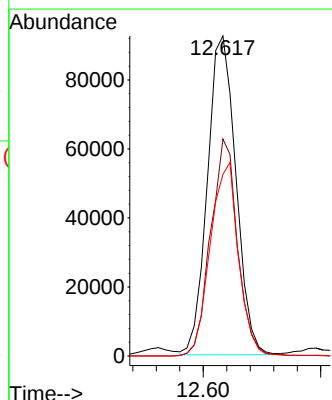
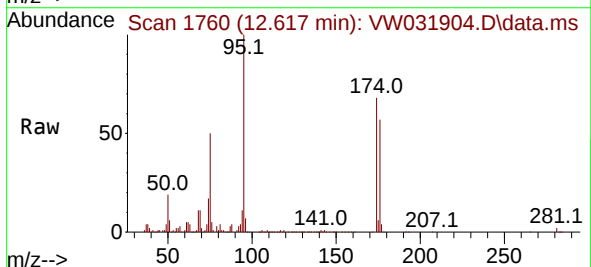
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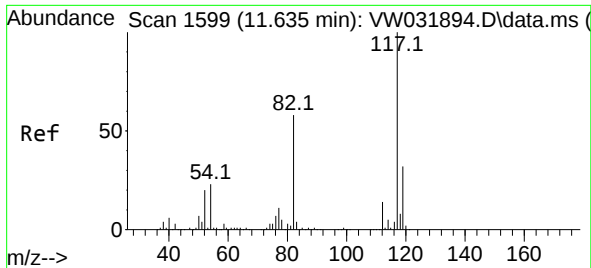
Tgt Ion: 98 Resp: 456182
Ion Ratio Lower Upper
98 100
100 67.2 51.7 77.5



#62
4-Bromofluorobenzene
Concen: 40.150 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

Tgt Ion: 95 Resp: 155846
Ion Ratio Lower Upper
95 100
174 64.3 0.0 129.8
176 59.8 0.0 130.4

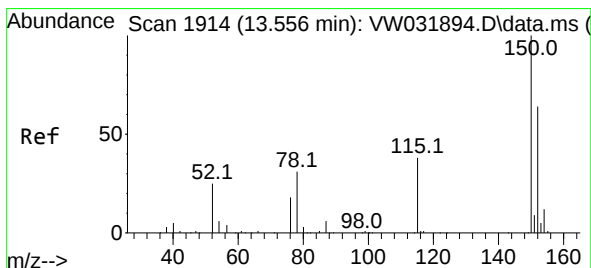
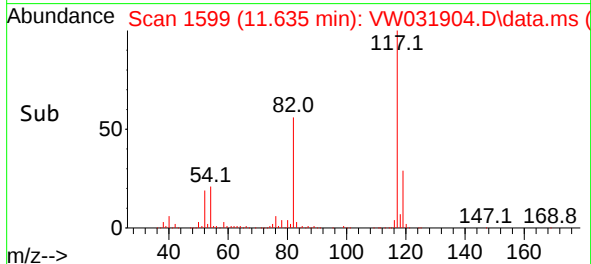
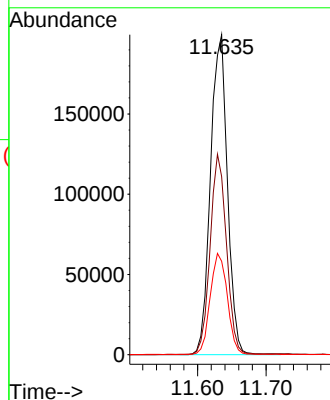
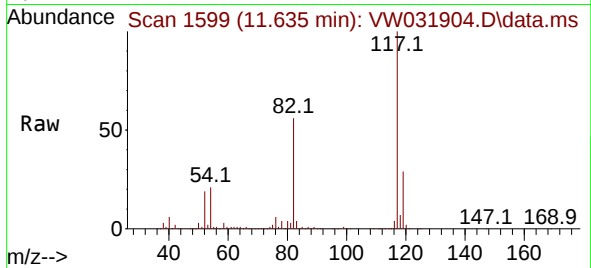




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

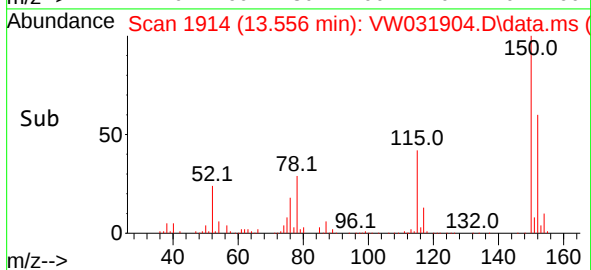
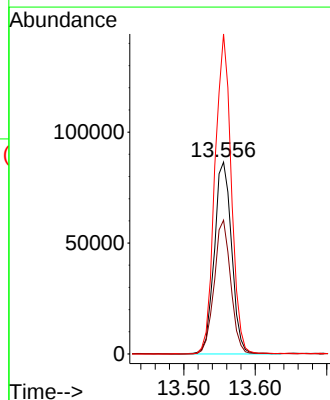
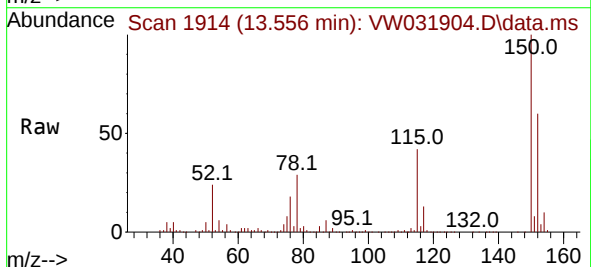
Instrument :
MSVOA_W
ClientSampleId :
TP-2-VOC

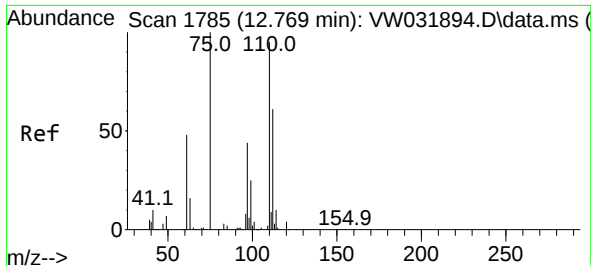
Tgt Ion:117 Resp: 342365
Ion Ratio Lower Upper
117 100
82 55.6 46.5 69.7
119 29.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. -0.000 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

Tgt Ion:152 Resp: 145319
Ion Ratio Lower Upper
152 100
115 66.6 33.4 100.1
150 157.5 0.0 352.2

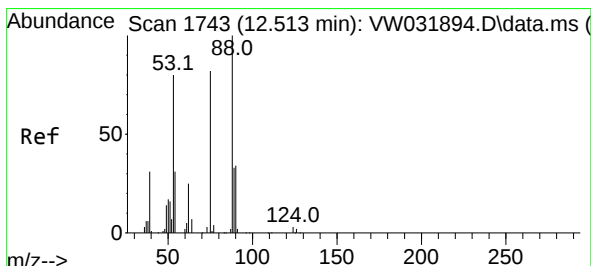
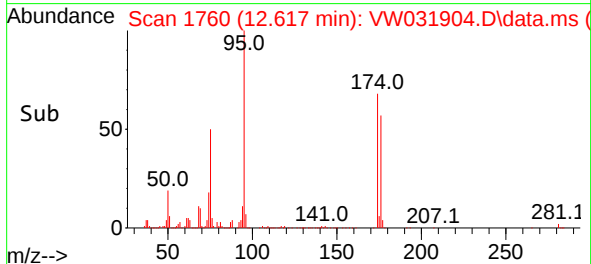
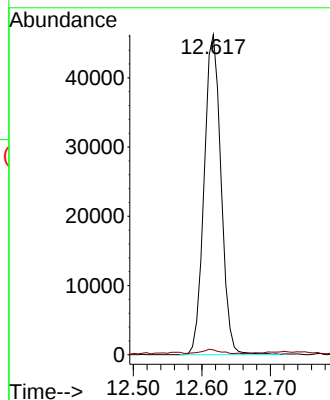
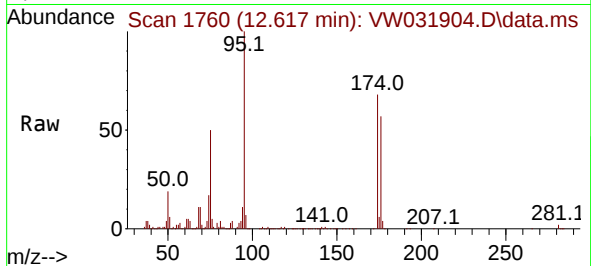




#76
1,2,3-Trichloropropane
Concen: 39.561 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.153 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

Instrument :
MSVOA_W
ClientSampleId :
TP-2-VOC

Tgt Ion: 75 Resp: 79373
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 91.335 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.104 min
Lab File: VW031904.D
Acq: 23 Jul 2025 11:52

Tgt Ion: 75 Resp: 79373
Ion Ratio Lower Upper
75 100
53 0.7 83.7 125.5#
89 0.2 39.0 58.6#

