

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031870.D
 Acq On : 16 Jul 2025 12:07
 Operator : SY/MD
 Sample : Q2614-02
 Misc : 4.61g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-MCN-VOC-01

Quant Time: Jul 17 04:01:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W063025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:35:17 2025
 Response via : Initial Calibration

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

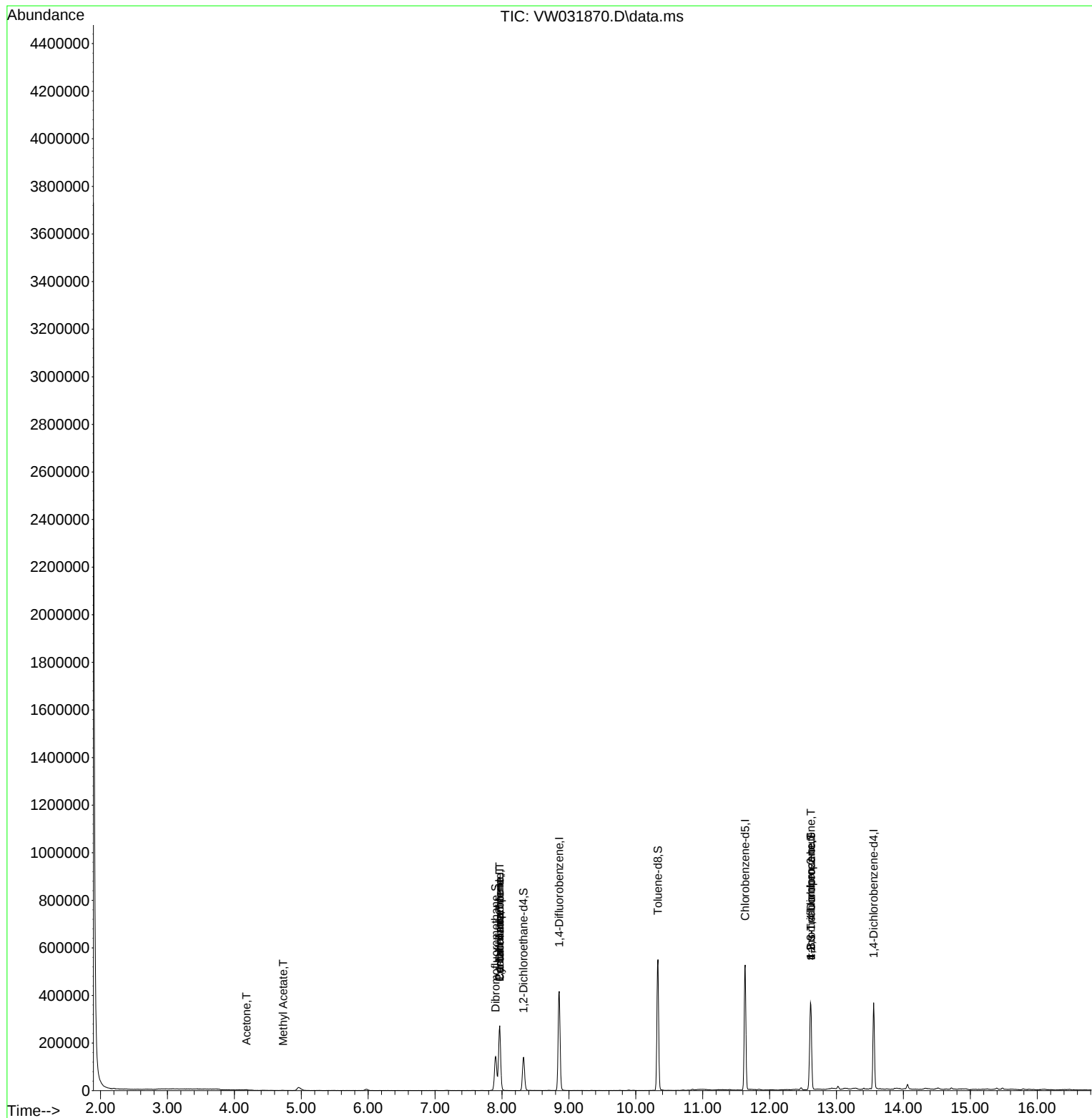
Internal Standards						
1) Pentafluorobenzene	7.965	168	178430	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	353998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	283463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	88709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	119529	46.679	ug/l	0.00
Spiked Amount 50.000	Range 63 - 155		Recovery =	93.360%		
35) Dibromofluoromethane	7.904	113	108542	46.988	ug/l	0.00
Spiked Amount 50.000	Range 70 - 134		Recovery =	93.980%		
50) Toluene-d8	10.331	98	369898	43.029	ug/l	0.00
Spiked Amount 50.000	Range 74 - 123		Recovery =	86.060%		
62) 4-Bromofluorobenzene	12.617	95	110170	34.825	ug/l	0.00
Spiked Amount 50.000	Range 17 - 146		Recovery =	69.660%		
Target Compounds						Qvalue
16) Acetone	4.179	43	1900	3.002	ug/l #	72
18) Methyl Acetate	4.728	43	2119	1.171	ug/l #	79
31) Cyclohexane	7.965	56	4494	1.233	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	17390	5.202	ug/l #	50
38) Carbon Tetrachloride	7.965	117	21152	6.210	ug/l #	16
76) 1,2,3-Trichloropropane	12.617	75	59612	52.001	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	59612	121.118	ug/l #	9

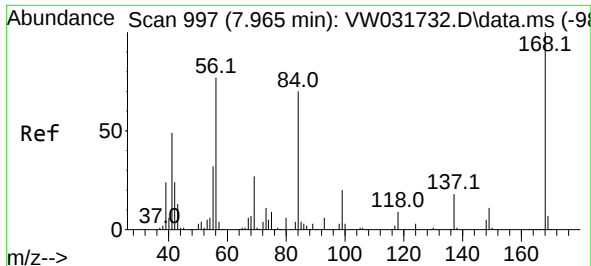
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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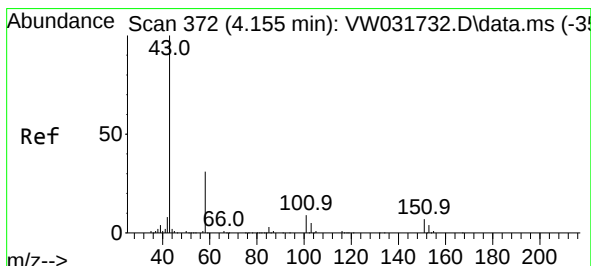
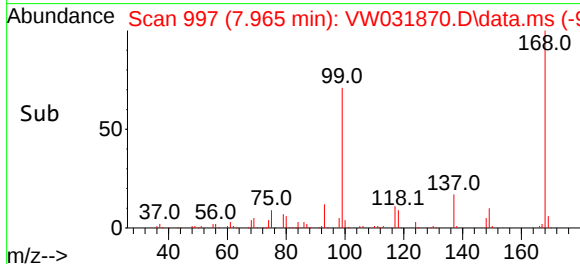
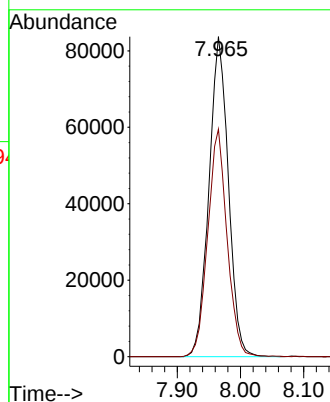
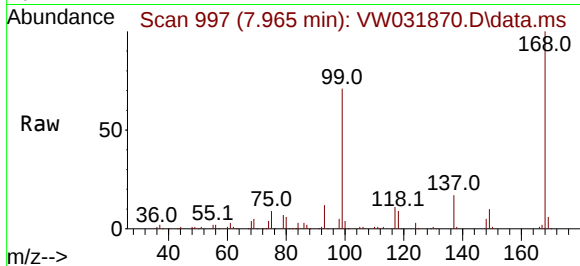




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

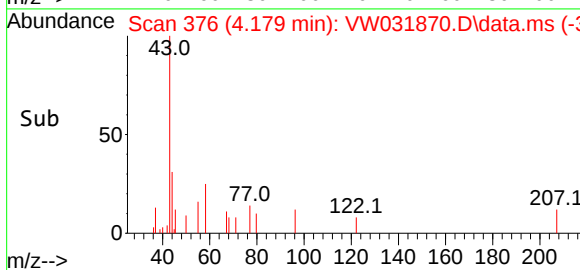
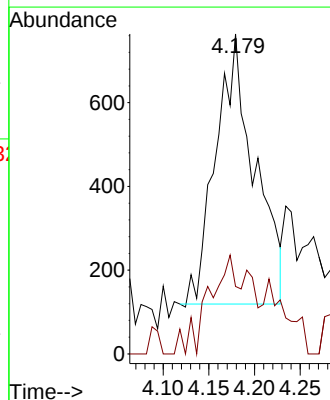
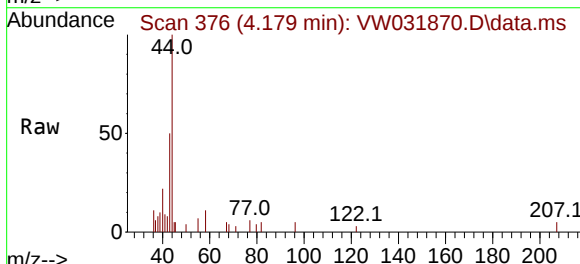
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MSVOA_W
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HR-MCN-VOC-01

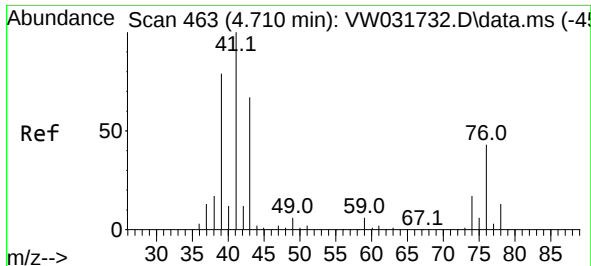
Tgt Ion:168 Resp: 178430
Ion Ratio Lower Upper
168 100
99 71.1 49.4 74.2



#16
Acetone
Concen: 3.002 ug/l
RT: 4.179 min Scan# 376
Delta R.T. 0.025 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Tgt Ion: 43 Resp: 1900
Ion Ratio Lower Upper
43 100
58 15.8 24.8 37.2#

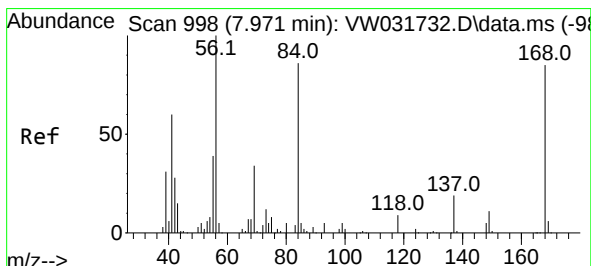
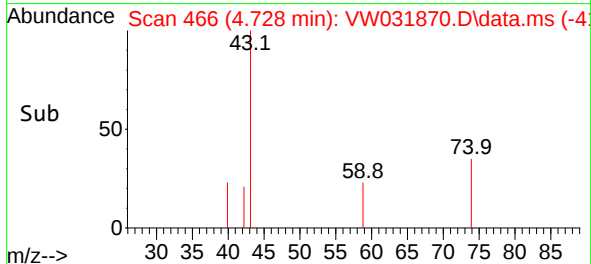
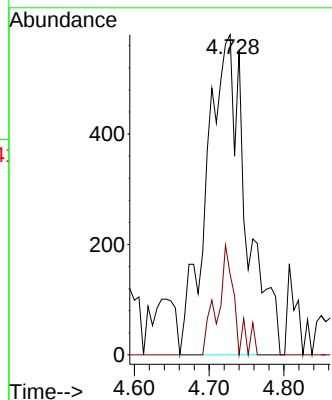
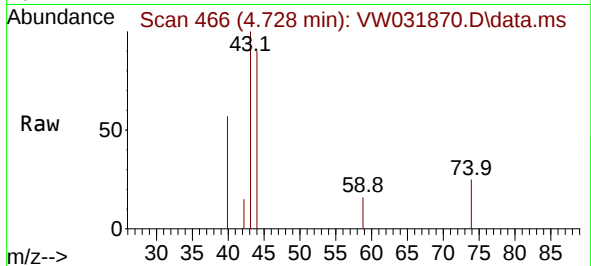




#18
Methyl Acetate
Concen: 1.171 ug/l
RT: 4.728 min Scan# 466
Delta R.T. 0.018 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

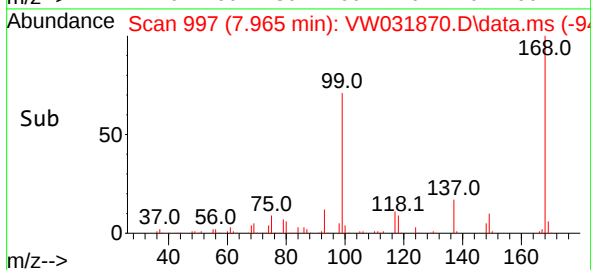
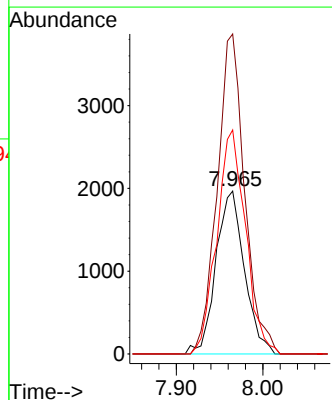
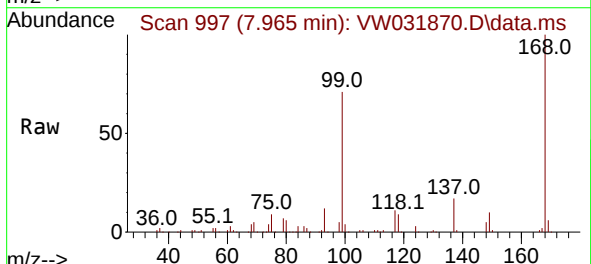
Instrument :
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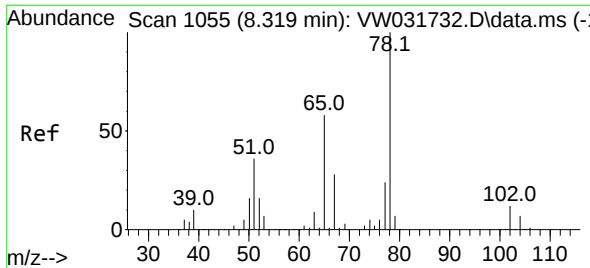
Tgt Ion: 43 Resp: 2119
Ion Ratio Lower Upper
43 100
74 15.3 20.6 30.8#



#31
Cyclohexane
Concen: 1.233 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.006 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Tgt Ion: 56 Resp: 4494
Ion Ratio Lower Upper
56 100
69 196.4 27.2 40.8#
84 137.5 68.5 102.7#

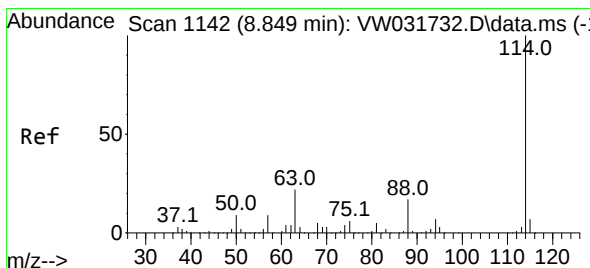
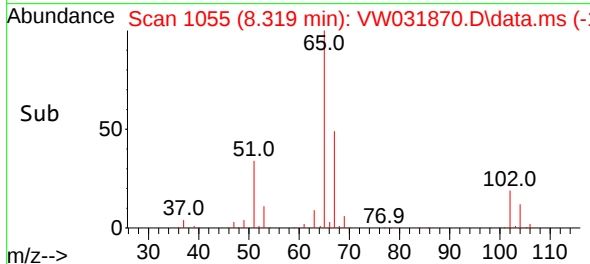
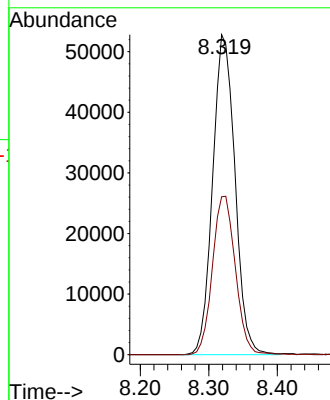
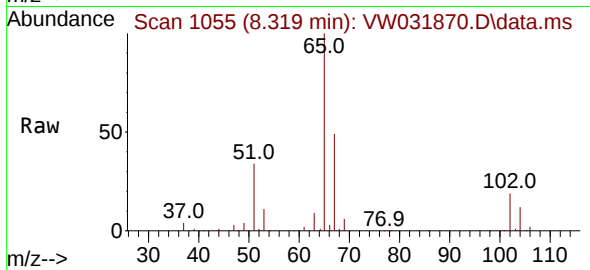




#33
 1,2-Dichloroethane-d4
 Concen: 46.679 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW031870.D
 Acq: 16 Jul 2025 12:07

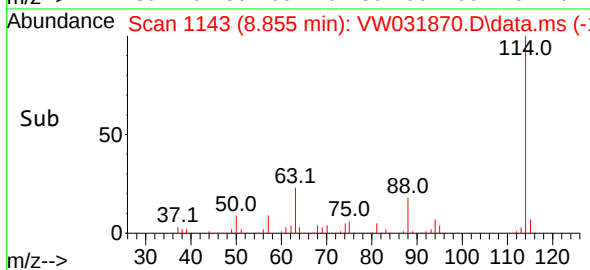
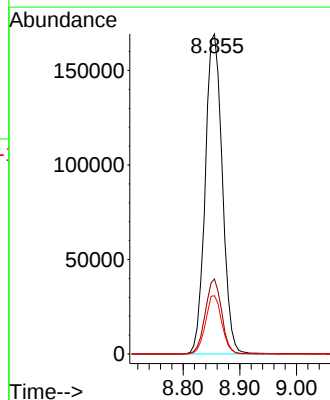
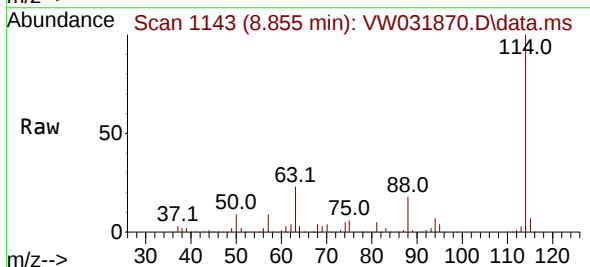
Instrument :
 MSVOA_W
 ClientSampleId :
 HR-MCN-VOC-01

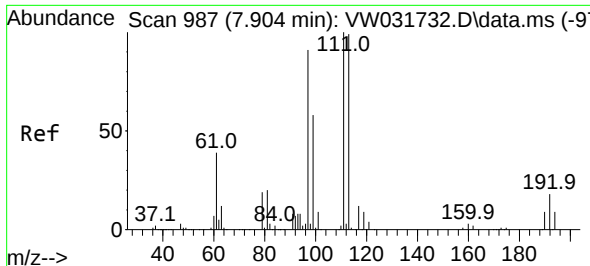
Tgt Ion: 65 Resp: 119529
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW031870.D
 Acq: 16 Jul 2025 12:07

Tgt Ion: 114 Resp: 353998
 Ion Ratio Lower Upper
 114 100
 63 23.4 0.0 43.6
 88 18.2 0.0 34.2

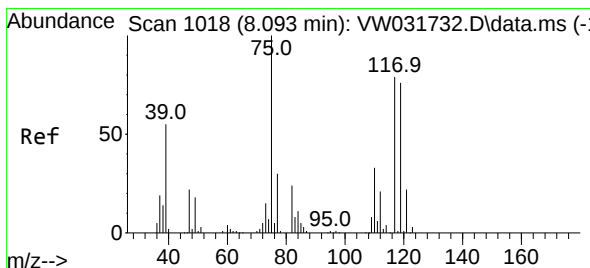
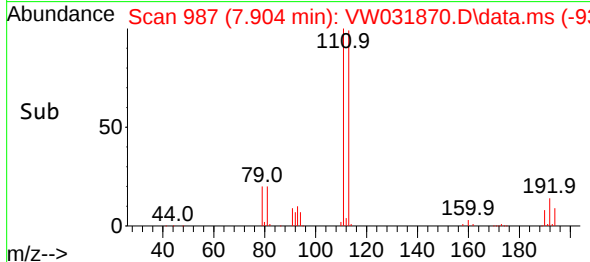
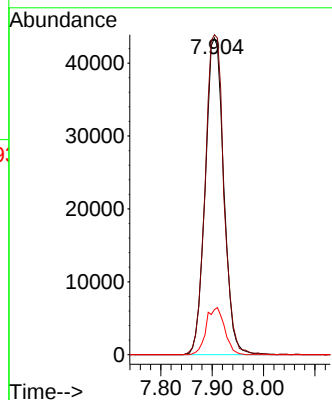
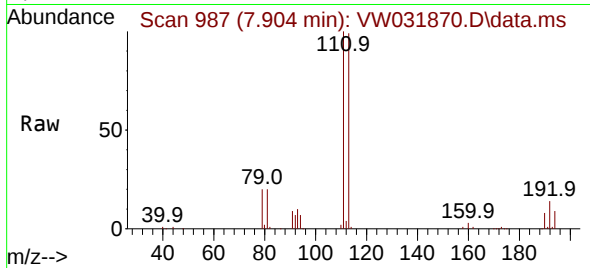




#35
Dibromofluoromethane
Concen: 46.988 ug/l
RT: 7.904 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

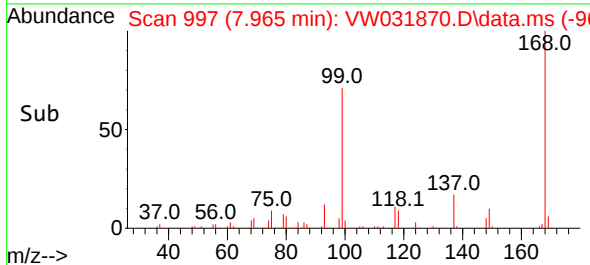
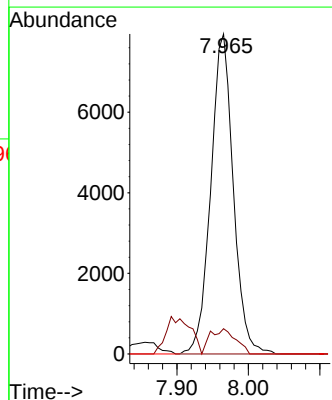
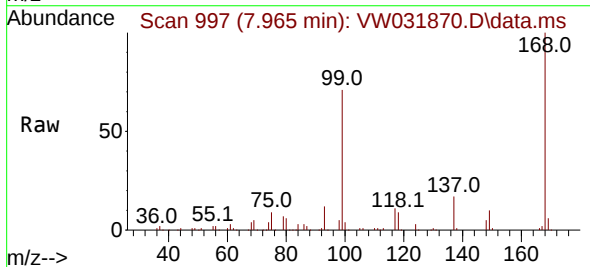
Instrument :
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ClientSampleId :
HR-MCN-VOC-01

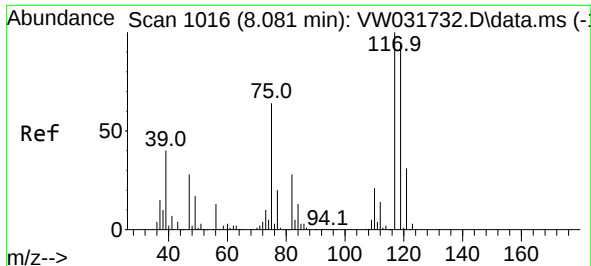
Tgt Ion:113 Resp: 108542
Ion Ratio Lower Upper
113 100
111 102.1 82.1 123.1
192 14.9 13.8 20.6



#36
1,1-Dichloropropene
Concen: 5.202 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.128 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

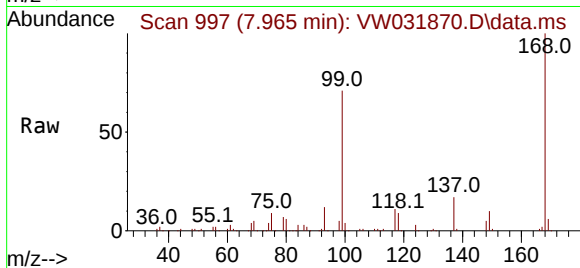
Tgt Ion: 75 Resp: 17390
Ion Ratio Lower Upper
75 100
110 8.8 16.8 50.4#
77 0.0 25.0 37.6#



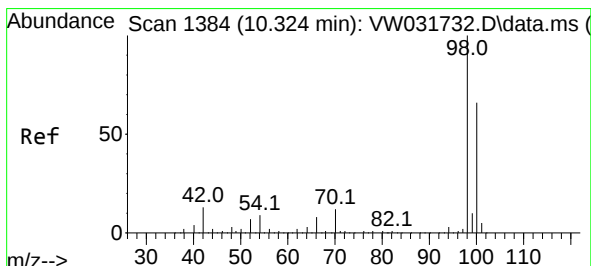
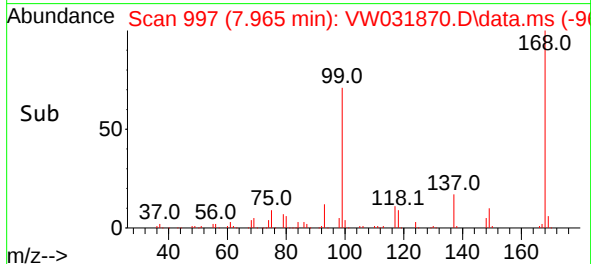
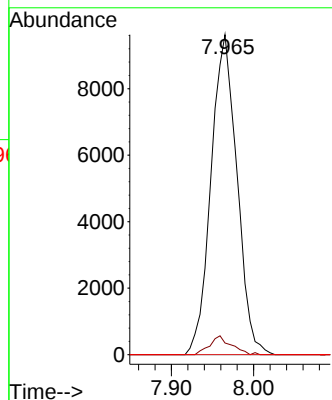


#38
Carbon Tetrachloride
Concen: 6.210 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Instrument :
MSVOA_W
ClientSampleId :
HR-MCN-VOC-01

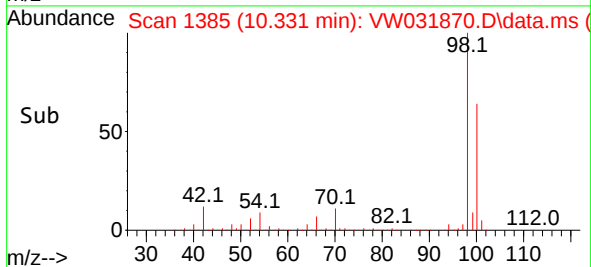
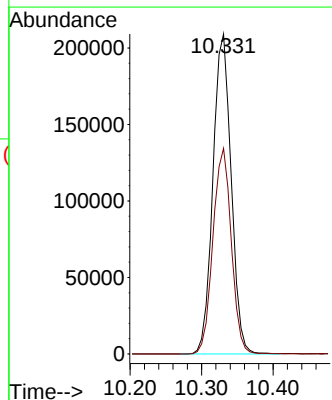
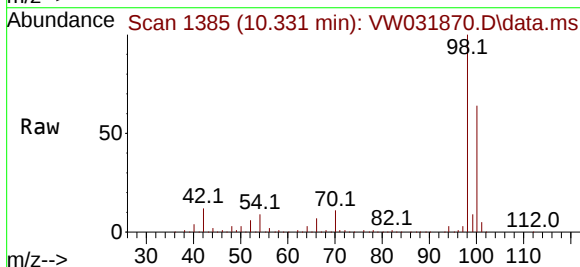


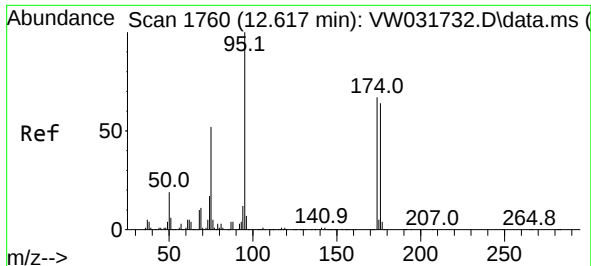
Tgt Ion:117 Resp: 21152
Ion Ratio Lower Upper
117 100
119 3.7 75.0 112.6#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 43.029 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Tgt Ion: 98 Resp: 369898
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.4

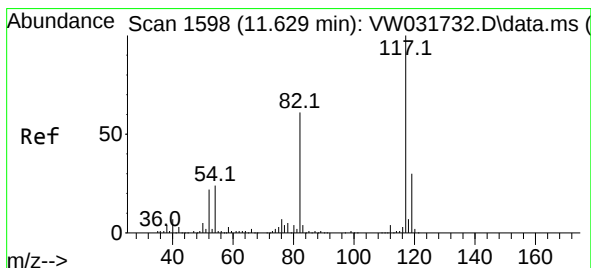
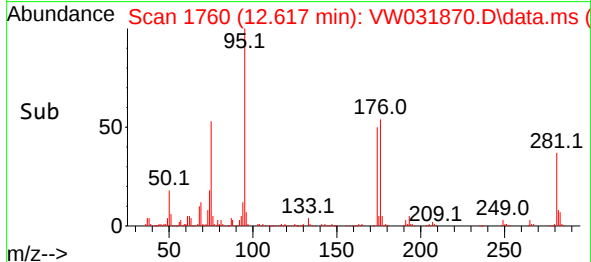
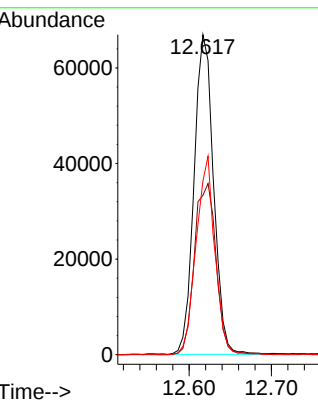
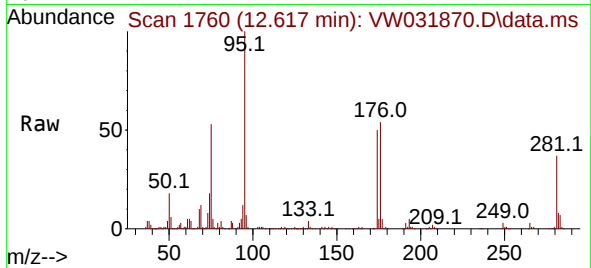




#62
4-Bromofluorobenzene
Concen: 34.825 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

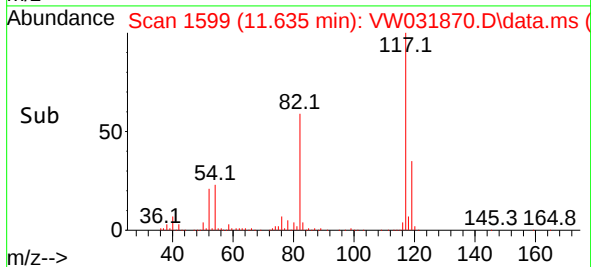
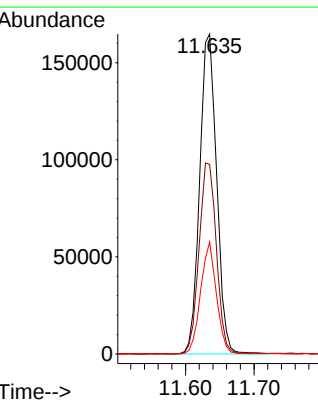
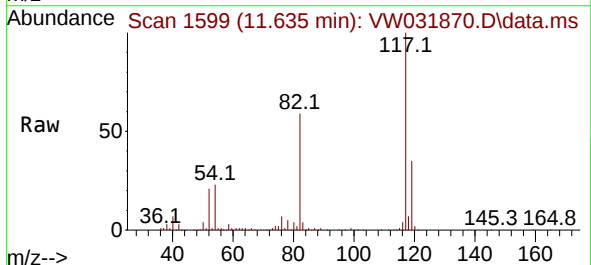
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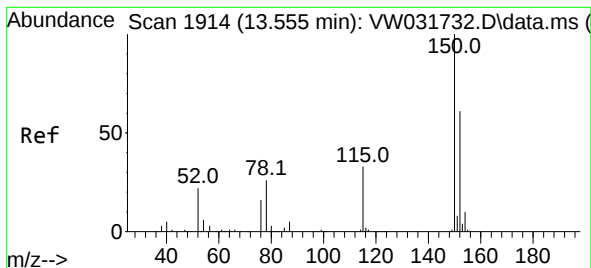
Tgt Ion: 95 Resp: 110170
Ion Ratio Lower Upper
95 100
174 59.5 0.0 133.8
176 59.7 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031870.D
Acq: 16 Jul 2025 12:07

Tgt Ion: 117 Resp: 283463
Ion Ratio Lower Upper
117 100
82 59.2 48.6 72.8
119 35.0 23.9 35.9

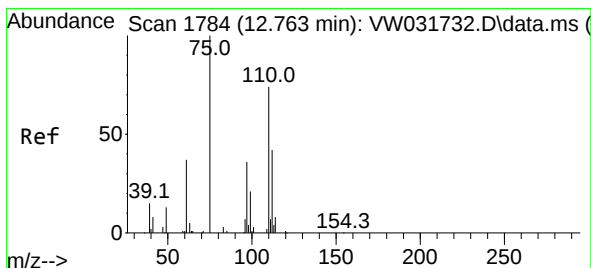
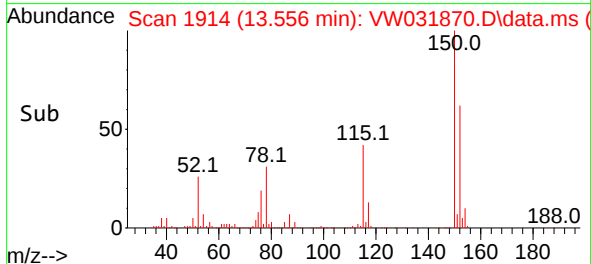
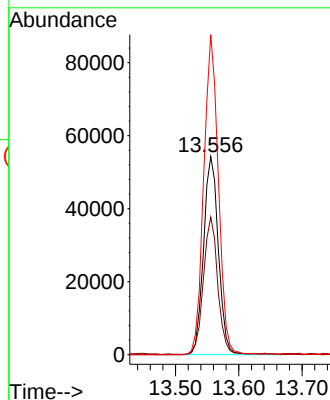
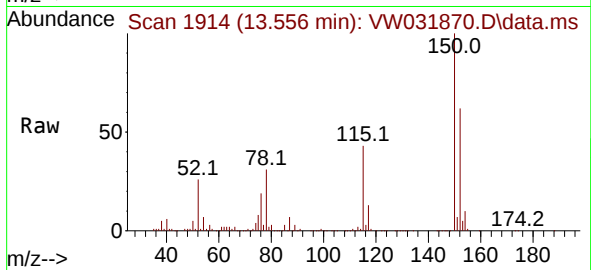




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031870.D
 Acq: 16 Jul 2025 12:07

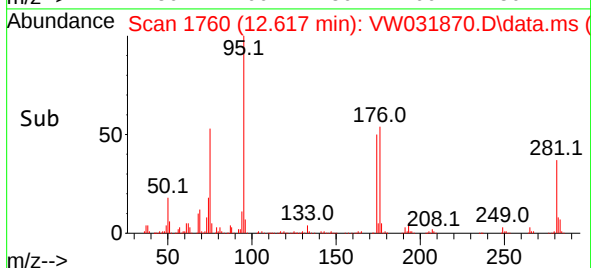
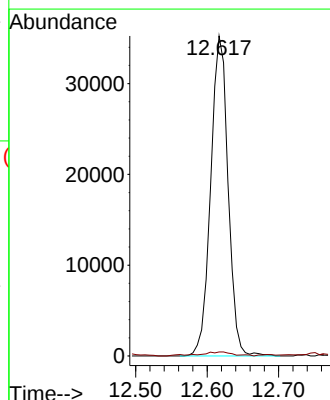
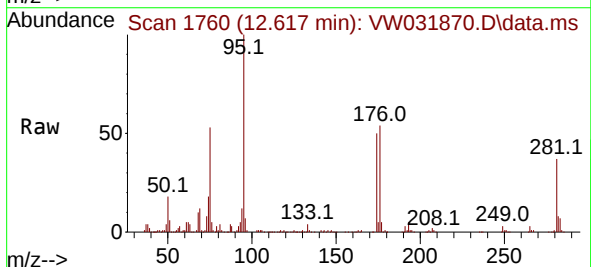
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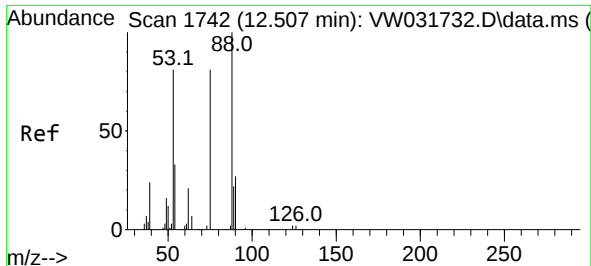
Tgt Ion:152 Resp: 88709
 Ion Ratio Lower Upper
 152 100
 115 66.7 31.9 95.7
 150 159.2 0.0 356.4



#76
 1,2,3-Trichloropropane
 Concen: 52.001 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031870.D
 Acq: 16 Jul 2025 12:07

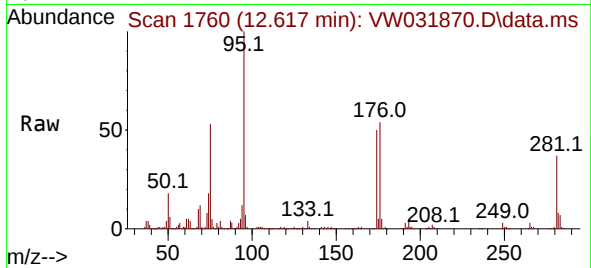
Tgt Ion: 75 Resp: 59612
 Ion Ratio Lower Upper
 75 100
 77 2.0 141.2 423.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.118 ug/l
 RT: 12.617 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VW031870.D
 Acq: 16 Jul 2025 12:07

Instrument :
 MSVOA_W
 ClientSampleId :
 HR-MCN-VOC-01



Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.2	83.5	125.3#
89	1.2	38.3	57.5#

