

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071625\
 Data File : VW031868.D
 Acq On : 16 Jul 2025 11:23
 Operator : SY/MD
 Sample : Q2612-01
 Misc : 5.00g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-071525

Quant Time: Jul 17 04:01:02 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)

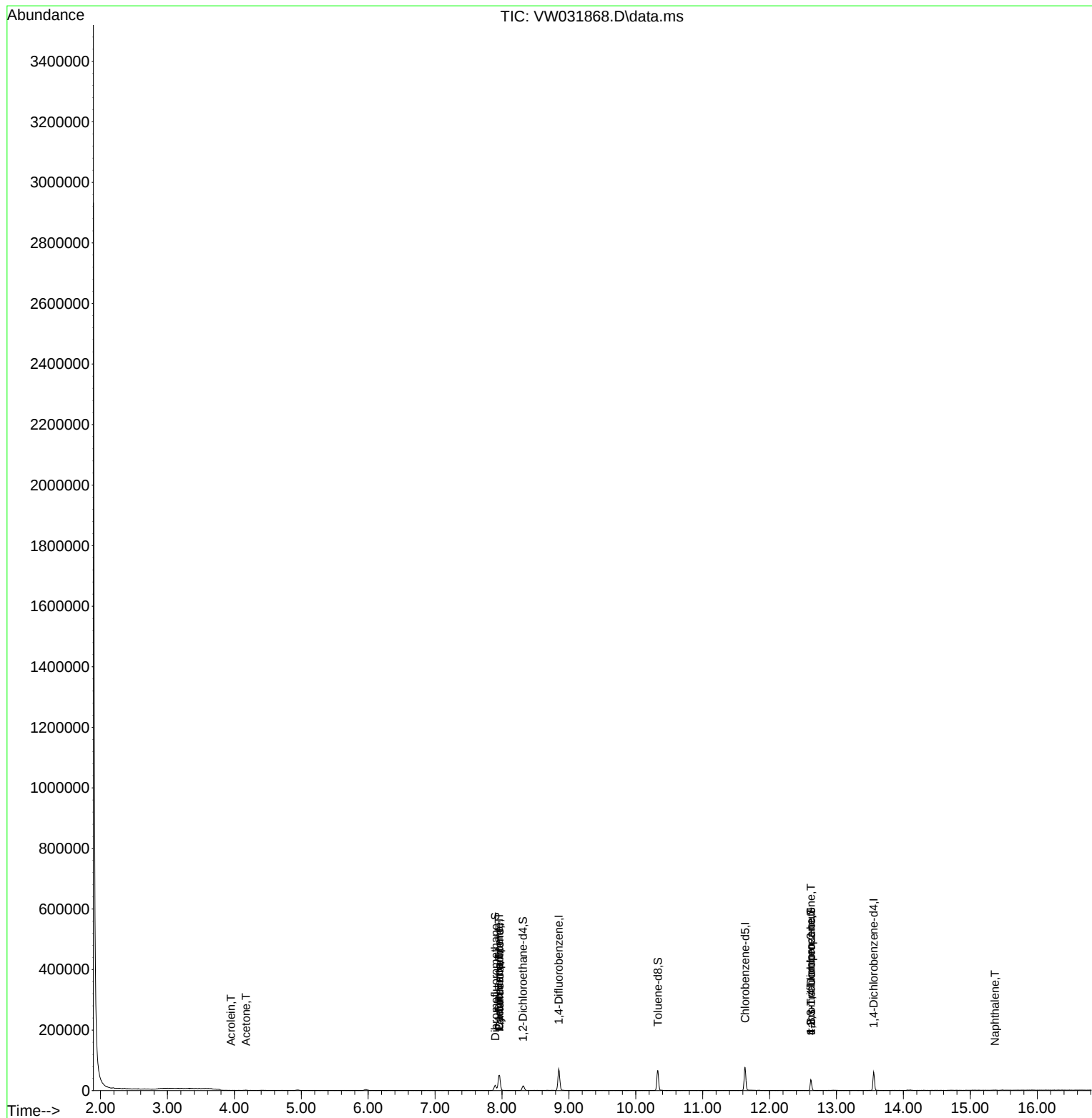
Internal Standards						
1) Pentafluorobenzene	7.965	168	34795	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	57596	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	43421	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	15334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.313	65	13041	26.116	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	52.240%#	
35) Dibromofluoromethane	7.898	113	12737	33.890	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	67.780%#	
50) Toluene-d8	10.331	98	46571	33.297	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	66.600%#	
62) 4-Bromofluorobenzene	12.617	95	12556	24.395	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	48.780%	
Target Compounds						
					Qvalue	
13) Acrolein	3.948	56	72	1.295	ug/l #	16
16) Acetone	4.173	43	1514	12.267	ug/l	99
20) Methylene Chloride	4.954	84	1135	Below Cal		91
31) Cyclohexane	7.959	56	937	1.318	ug/l #	40
36) 1,1-Dichloropropene	7.953	75	3469	6.379	ug/l #	51
38) Carbon Tetrachloride	7.959	117	4045	7.299	ug/l #	23
76) 1,2,3-Trichloropropane	12.617	75	6862	34.629	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	6862	80.656	ug/l #	8
95) Naphthalene	15.366	128	871	1.208	ug/l #	69

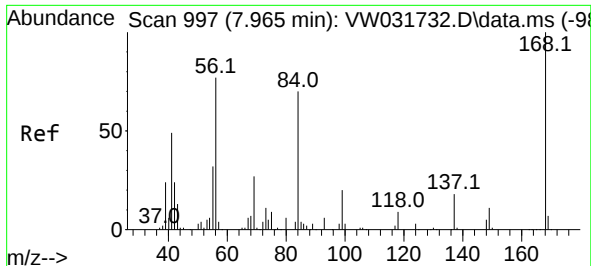
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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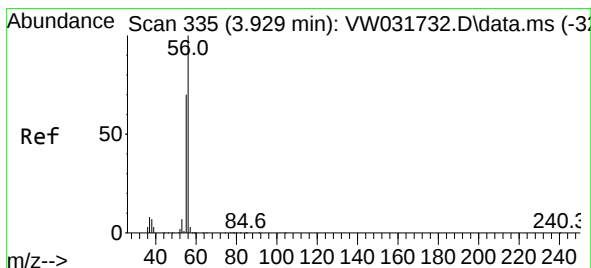
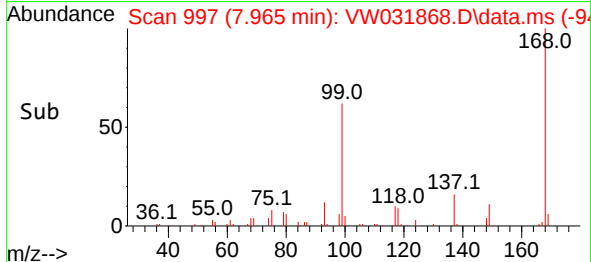
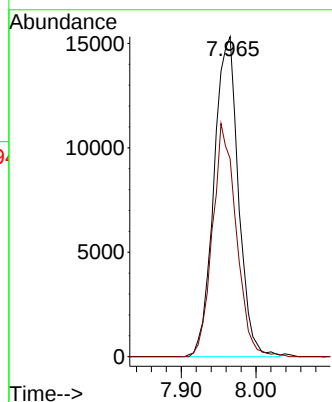
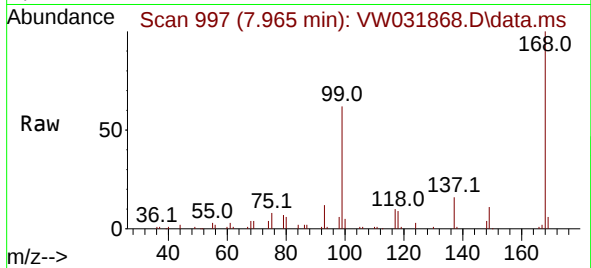




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

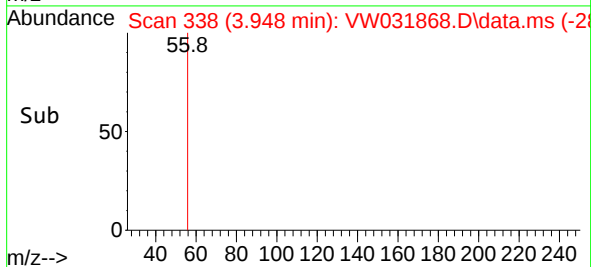
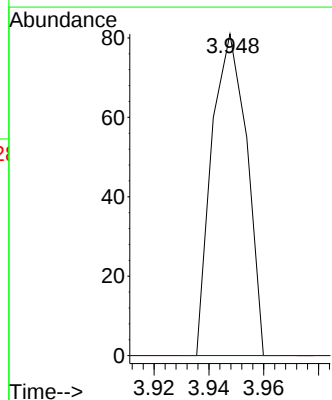
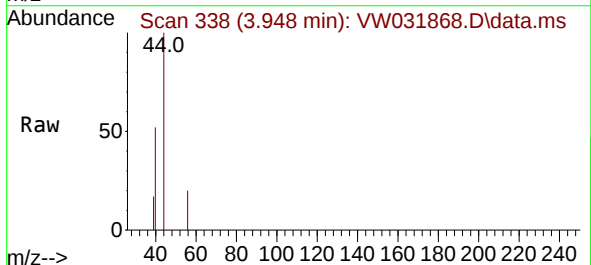
Instrument :
MSVOA_W
ClientSampleId :
OR-02-071525

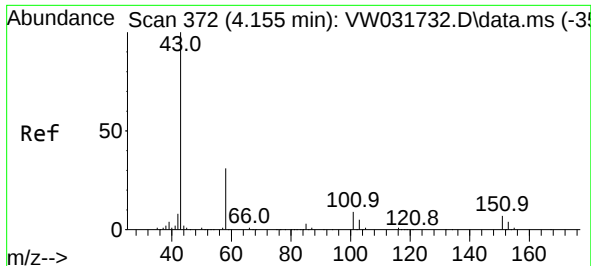
Tgt Ion:168 Resp: 34795
Ion Ratio Lower Upper
168 100
99 61.9 49.4 74.2



#13
Acrolein
Concen: 1.295 ug/l
RT: 3.948 min Scan# 338
Delta R.T. 0.018 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

Tgt Ion: 56 Resp: 72
Ion Ratio Lower Upper
56 100
55 0.0 54.0 81.0#

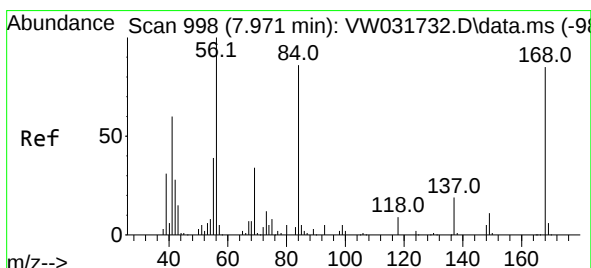
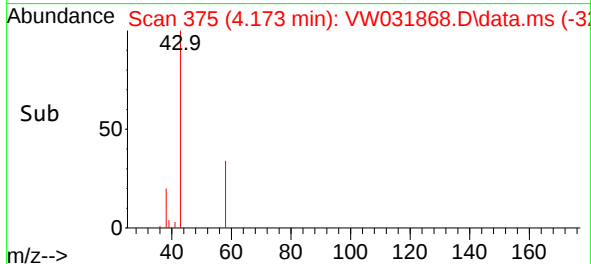
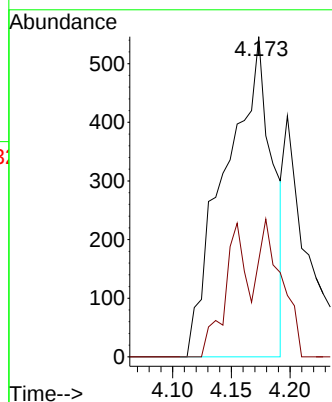
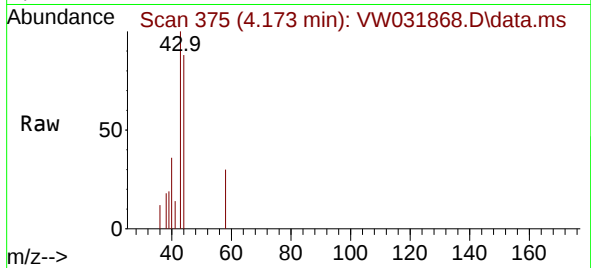




#16
Acetone
Concen: 12.267 ug/l
RT: 4.173 min Scan# 31
Delta R.T. 0.019 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

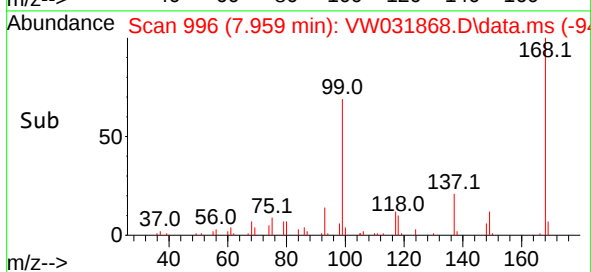
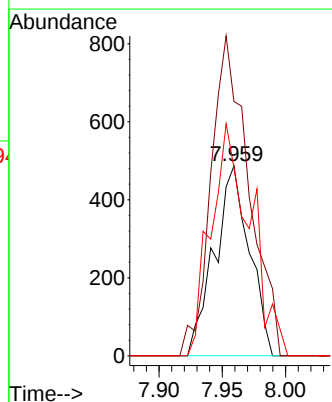
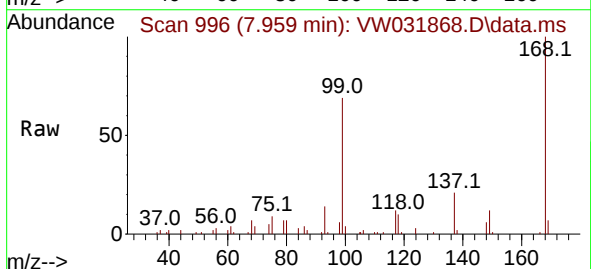
Instrument :
MSVOA_W
ClientSampleId :
OR-02-071525

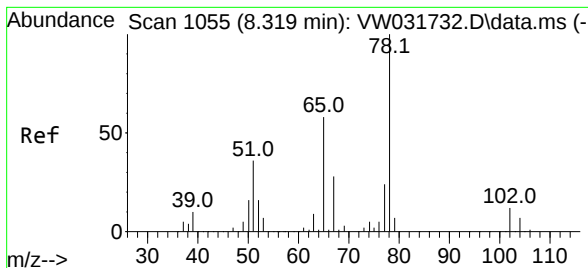
Tgt Ion: 43 Resp: 1514
Ion Ratio Lower Upper
43 100
58 30.2 24.8 37.2



#31
Cyclohexane
Concen: 1.318 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

Tgt Ion: 56 Resp: 937
Ion Ratio Lower Upper
56 100
69 133.9 27.2 40.8#
84 99.0 68.5 102.7





#33

1,2-Dichloroethane-d4

Concen: 26.116 ug/l

RT: 8.313 min Scan# 1104

Delta R.T. -0.006 min

Lab File: VW031868.D

Acq: 16 Jul 2025 11:23

Instrument :

MSVOA_W

ClientSampleId :

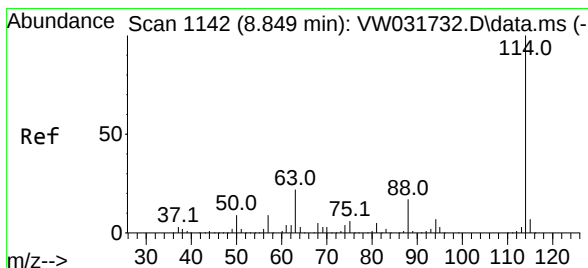
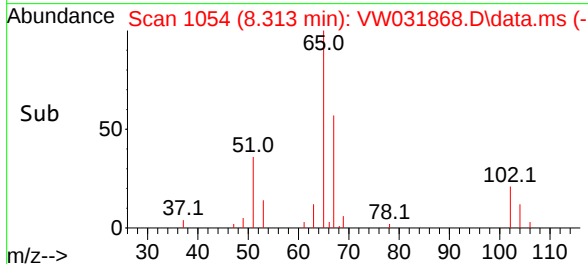
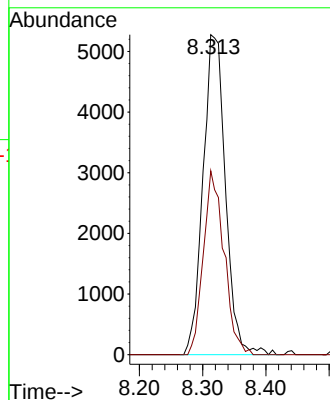
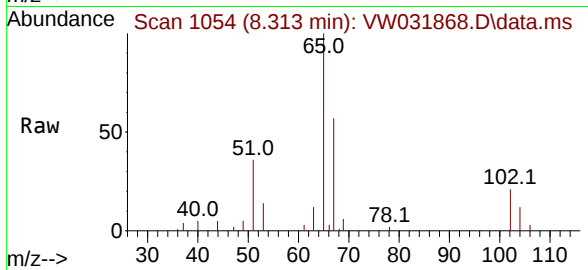
OR-02-071525

Tgt Ion: 65 Resp: 13041

Ion Ratio Lower Upper

65 100

67 52.9 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.849 min Scan# 1142

Delta R.T. 0.000 min

Lab File: VW031868.D

Acq: 16 Jul 2025 11:23

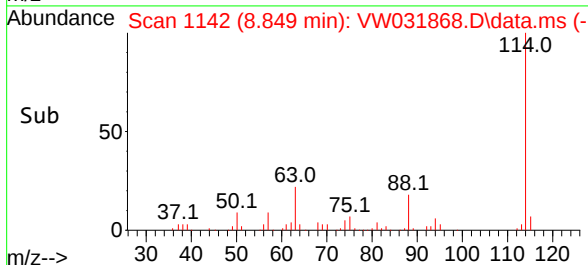
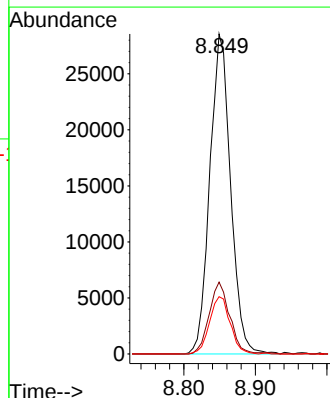
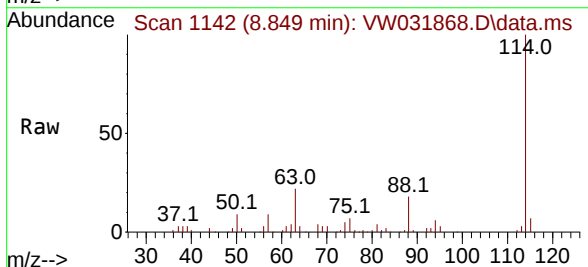
Tgt Ion: 114 Resp: 57596

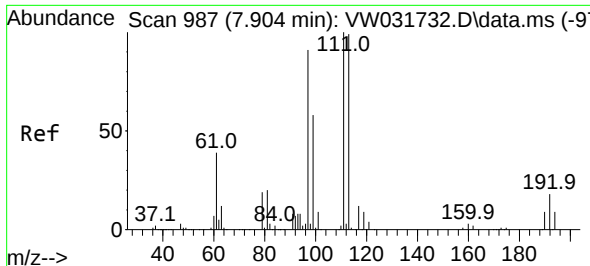
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.6

88 17.9 0.0 34.2

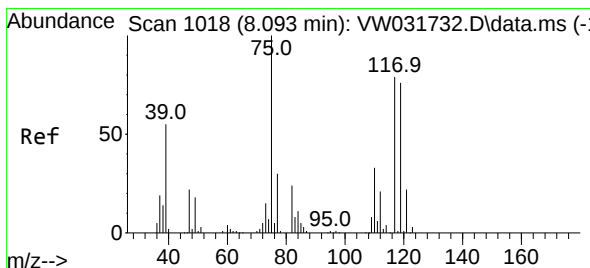
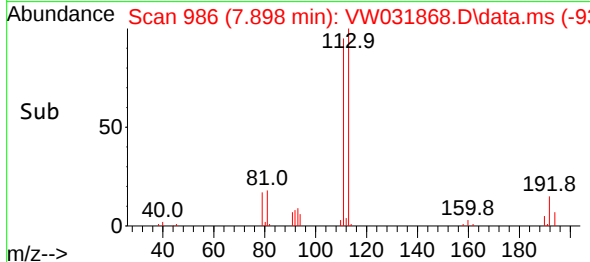
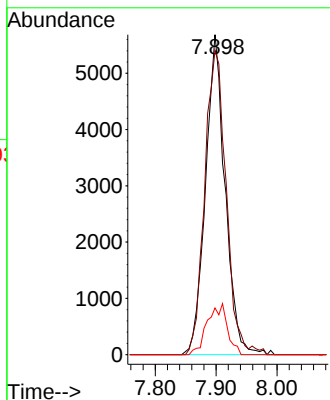
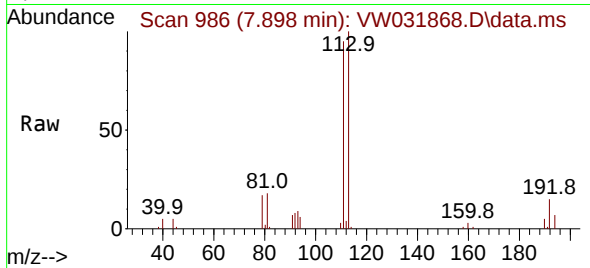




#35
 Dibromofluoromethane
 Concen: 33.890 ug/l
 RT: 7.898 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VW031868.D
 Acq: 16 Jul 2025 11:23

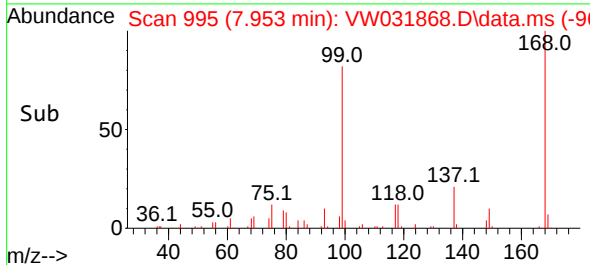
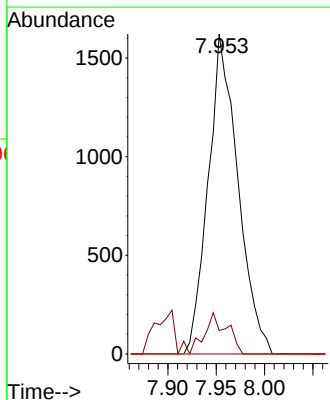
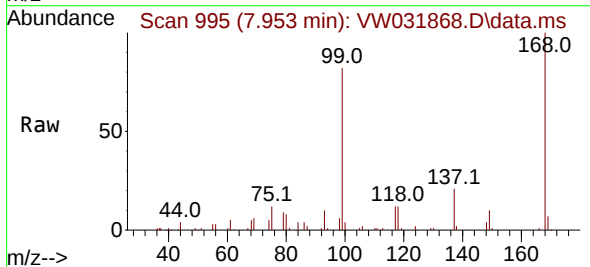
Instrument :
 MSVOA_W
 ClientSampleId :
 OR-02-071525

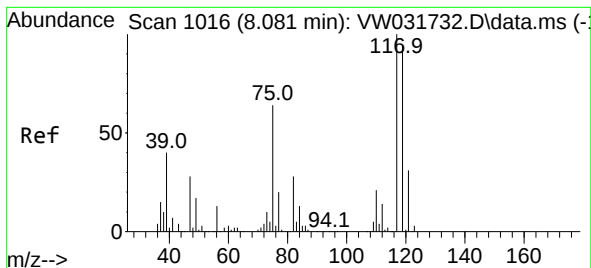
Tgt Ion:113	Resp:	12737	
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.1	123.1
192	16.3	13.8	20.6



#36
 1,1-Dichloropropene
 Concen: 6.379 ug/l
 RT: 7.953 min Scan# 995
 Delta R.T. -0.140 min
 Lab File: VW031868.D
 Acq: 16 Jul 2025 11:23

Tgt Ion: 75	Resp:	3469	
Ion Ratio	Lower	Upper	
75 100			
110	9.7	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 7.299 ug/l

RT: 7.959 min Scan# 996

Delta R.T. -0.122 min

Lab File: VW031868.D

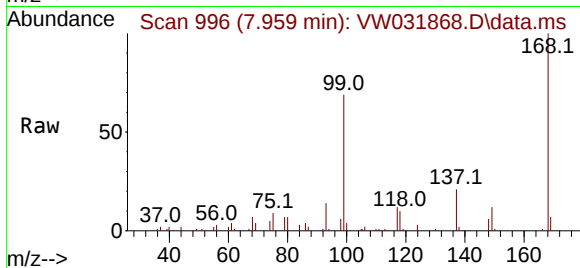
Acq: 16 Jul 2025 11:23

Instrument :

MSVOA_W

ClientSampleId :

OR-02-071525



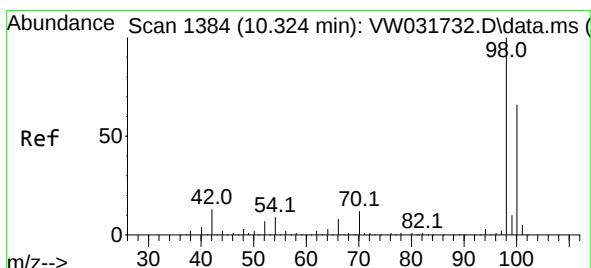
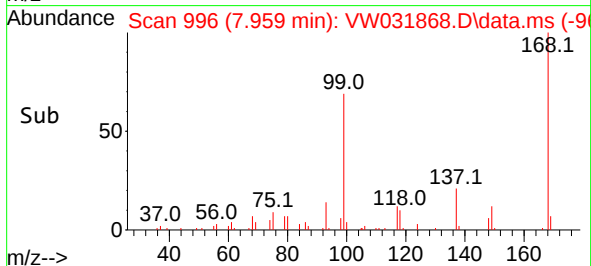
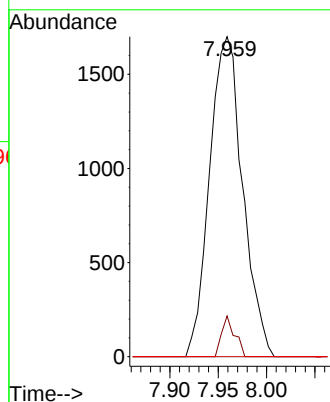
Tgt Ion:117 Resp: 4045

Ion Ratio Lower Upper

117 100

119 12.7 75.0 112.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 33.297 ug/l

RT: 10.331 min Scan# 1385

Delta R.T. 0.006 min

Lab File: VW031868.D

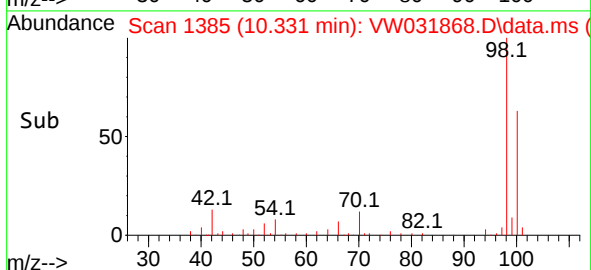
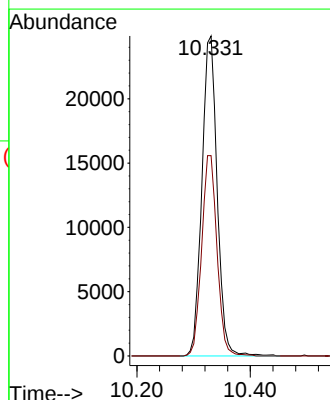
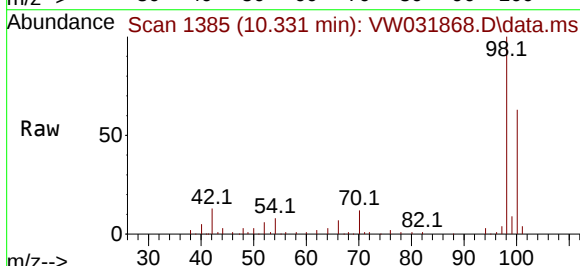
Acq: 16 Jul 2025 11:23

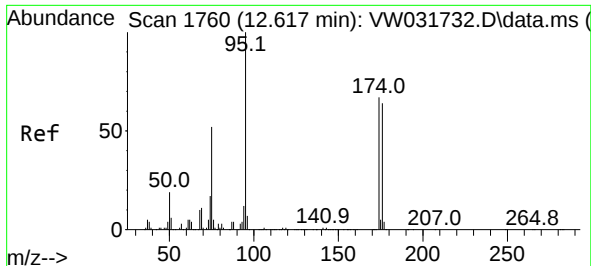
Tgt Ion: 98 Resp: 46571

Ion Ratio Lower Upper

98 100

100 62.9 53.0 79.4

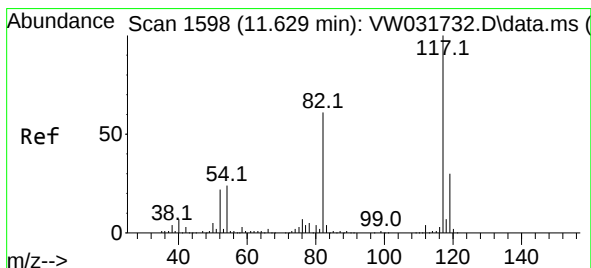
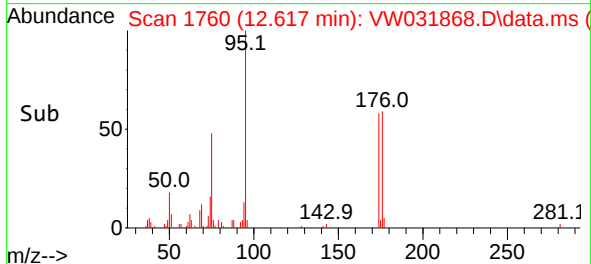
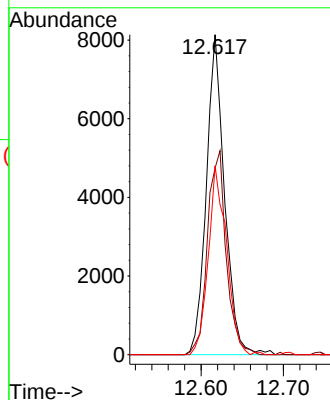
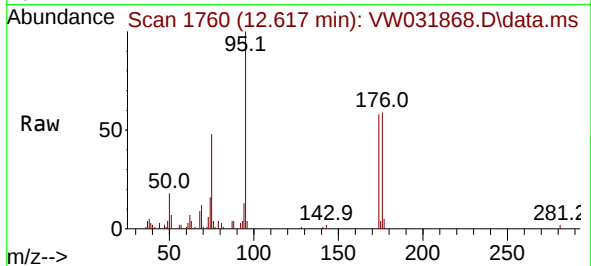




#62
4-Bromofluorobenzene
Concen: 24.395 ug/l
RT: 12.617 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

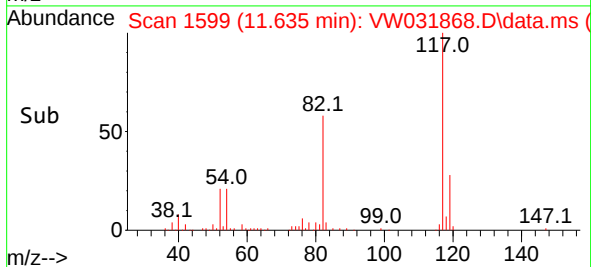
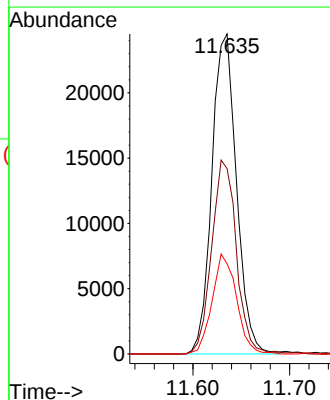
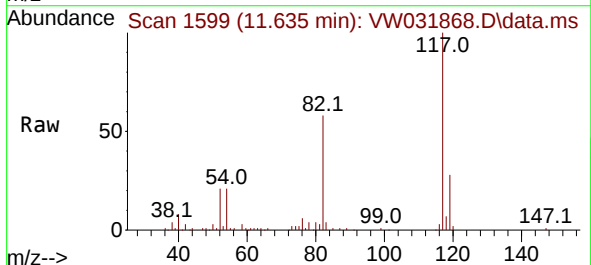
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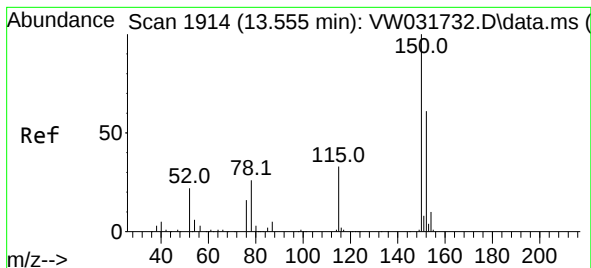
Tgt Ion:	95	Resp:	12556
Ion	Ratio	Lower	Upper
95	100		
174	65.5	0.0	133.8
176	59.4	0.0	126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

Tgt Ion:	117	Resp:	43421
Ion	Ratio	Lower	Upper
117	100		
82	57.9	48.6	72.8
119	28.1	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: VW031868.D

Acq: 16 Jul 2025 11:23

Instrument :

MSVOA_W

ClientSampleId :

OR-02-071525

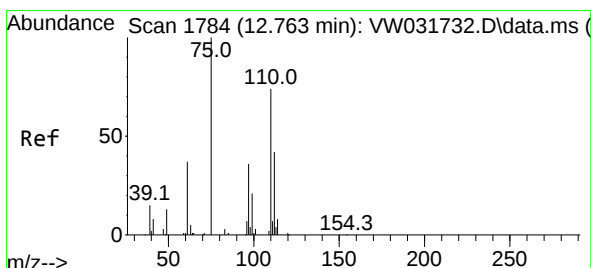
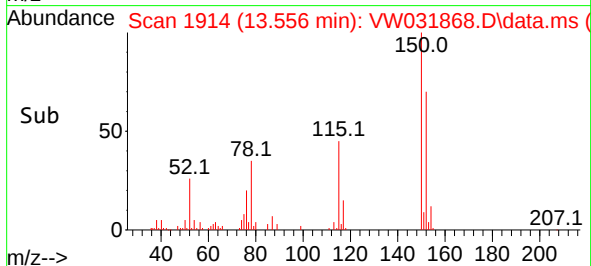
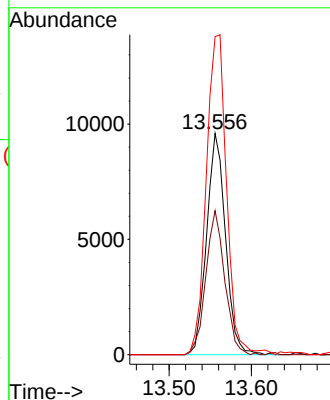
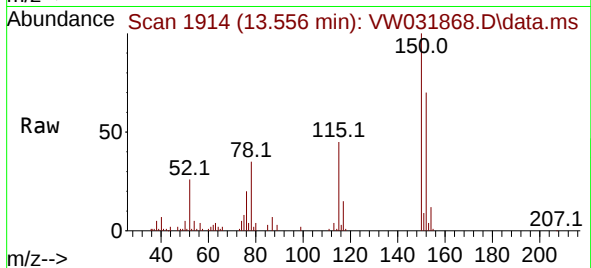
Tgt Ion:152 Resp: 15334

Ion Ratio Lower Upper

152 100

115 65.2 31.9 95.7

150 154.9 0.0 356.4



#76

1,2,3-Trichloropropane

Concen: 34.629 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW031868.D

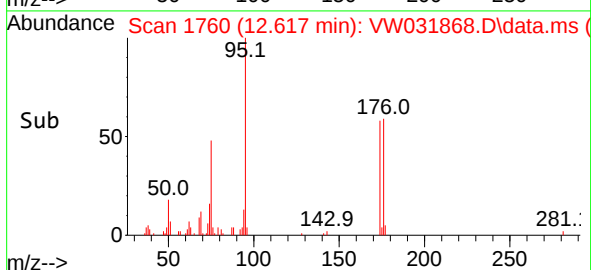
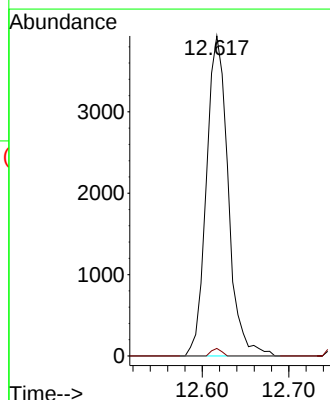
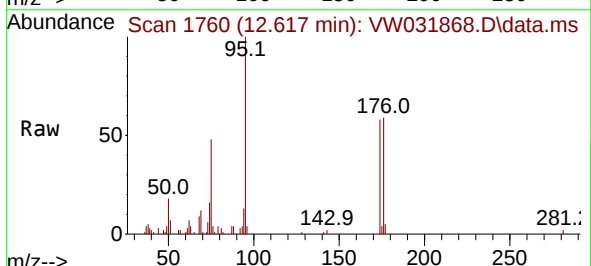
Acq: 16 Jul 2025 11:23

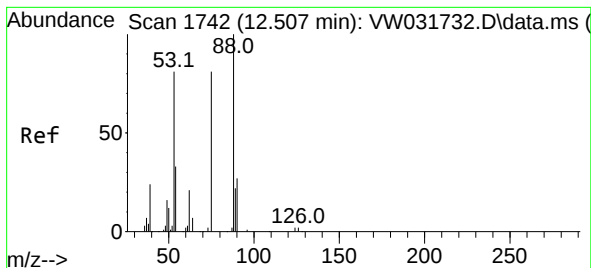
Tgt Ion: 75 Resp: 6862

Ion Ratio Lower Upper

75 100

77 1.1 141.2 423.6#

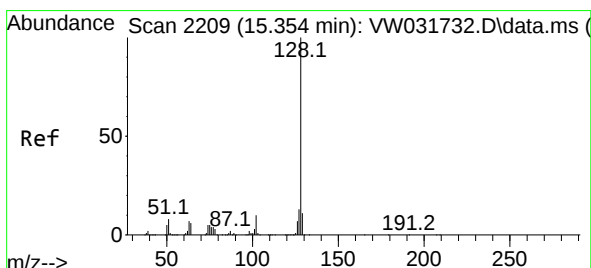
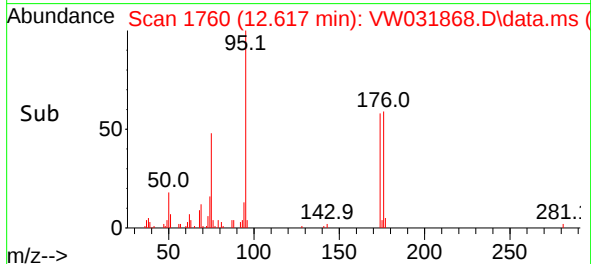
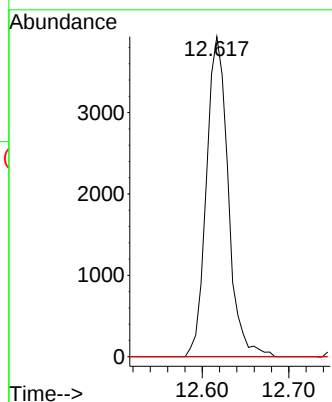
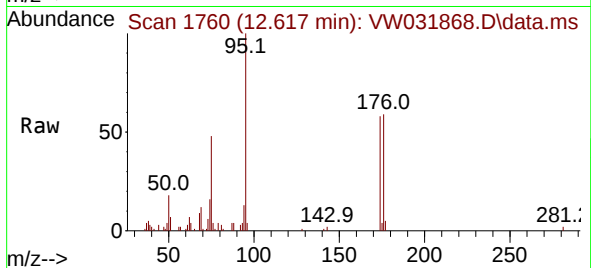




#81
trans-1,4-Dichloro-2-butene
Concen: 80.656 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

Instrument :
MSVOA_W
ClientSampleId :
OR-02-071525

Tgt Ion: 75 Resp: 6862
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.0 38.3 57.5#



#95
Naphthalene
Concen: 1.208 ug/l
RT: 15.366 min Scan# 2211
Delta R.T. 0.012 min
Lab File: VW031868.D
Acq: 16 Jul 2025 11:23

Tgt Ion: 128 Resp: 871
Ion Ratio Lower Upper
128 100
127 0.0 10.8 16.2#
129 0.0 8.7 13.1#

