

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071425\
 Data File : VW031848.D
 Acq On : 14 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2589-01
 Misc : 5.50g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-071125

Quant Time: Jul 15 02:45:11 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)

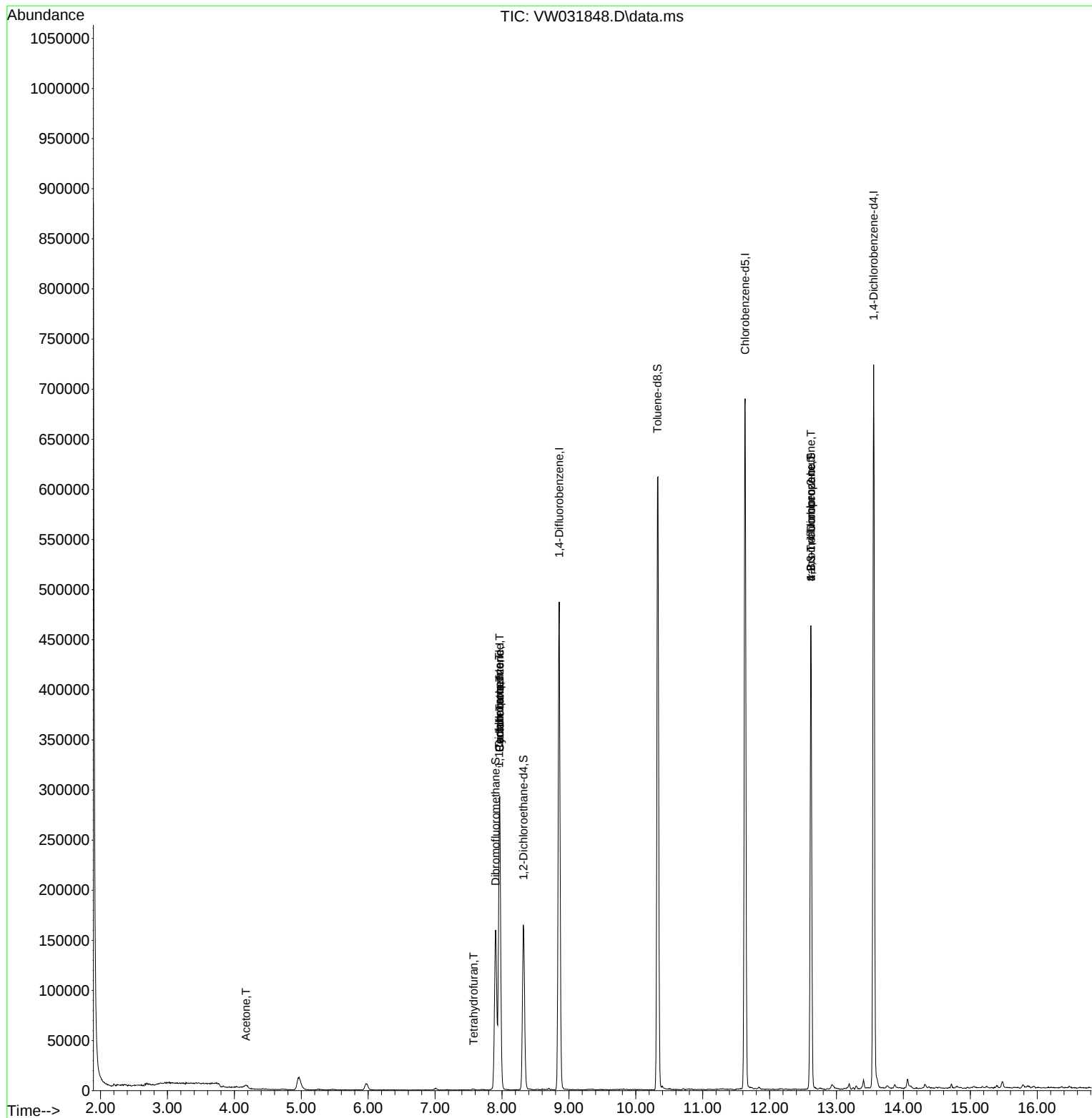
Internal Standards						
1) Pentafluorobenzene	7.965	168	198033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	394580	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	374777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	181491	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	137922	48.530	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	97.060%
35) Dibromofluoromethane	7.904	113	116571	45.274	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.540%
50) Toluene-d8	10.325	98	421128	43.950	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	87.900%
62) 4-Bromofluorobenzene	12.617	95	167519	47.508	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	95.020%
Target Compounds						
					Qvalue	
16) Acetone	4.173	43	2274	3.237	ug/l	91
29) Tetrahydrofuran	7.575	42	846	1.352	ug/l #	75
31) Cyclohexane	7.965	56	5084	1.256	ug/l #	1
36) 1,1-Dichloropropene	7.959	75	17947	4.817	ug/l #	50
38) Carbon Tetrachloride	7.965	117	22126	5.828	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	88646	37.796	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	88646	88.033	ug/l #	8

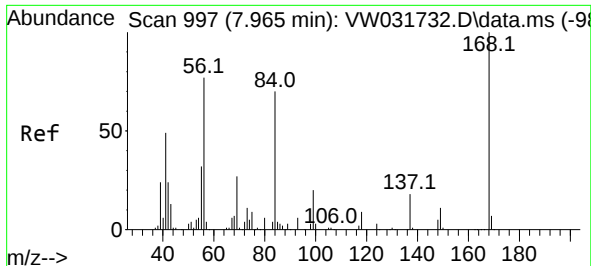
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:35:17 2025
Response via : Initial Calibration

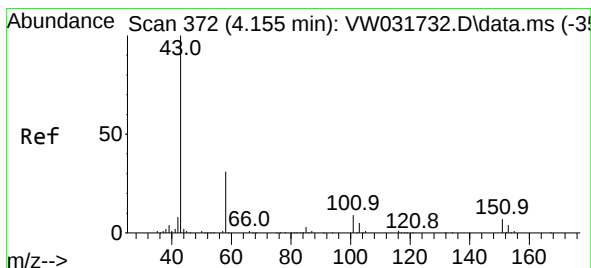
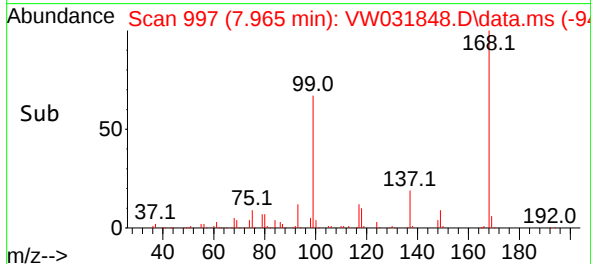
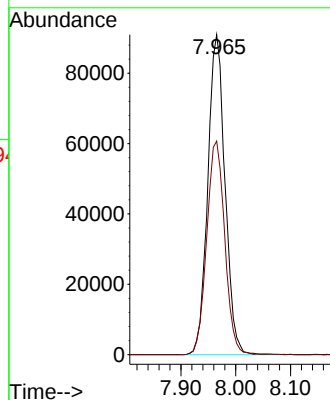
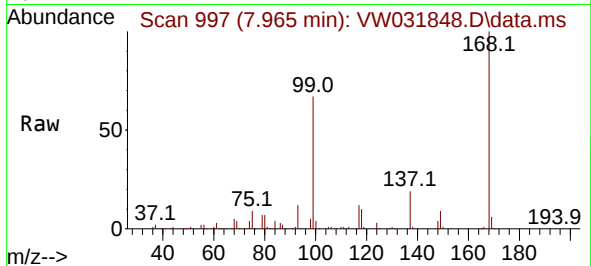




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. 0.000 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

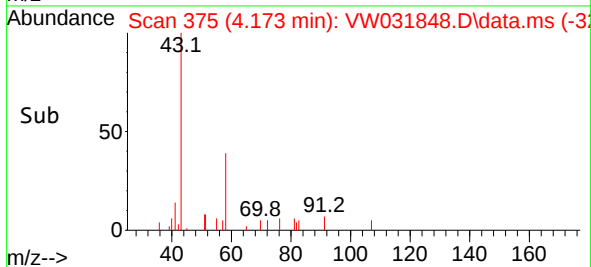
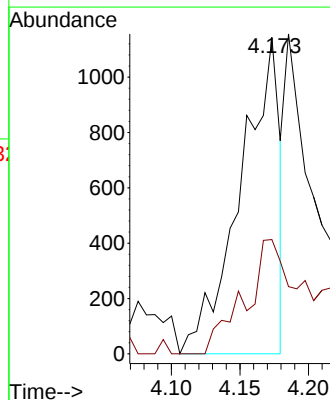
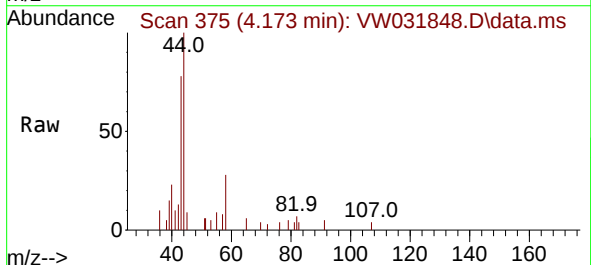
Instrument :
MSVOA_W
ClientSampleId :
AU-06-071125

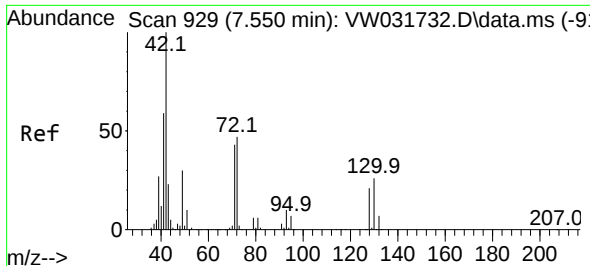
Tgt Ion:168 Resp: 198033
Ion Ratio Lower Upper
168 100
99 66.8 49.4 74.2



#16
Acetone
Concen: 3.237 ug/l
RT: 4.173 min Scan# 375
Delta R.T. 0.018 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

Tgt Ion: 43 Resp: 2274
Ion Ratio Lower Upper
43 100
58 36.1 24.8 37.2





#29

Tetrahydrofuran

Concen: 1.352 ug/l

RT: 7.575 min Scan# 91

Delta R.T. 0.025 min

Lab File: VW031848.D

Acq: 14 Jul 2025 14:13

Instrument :

MSVOA_W

ClientSampleId :

AU-06-071125

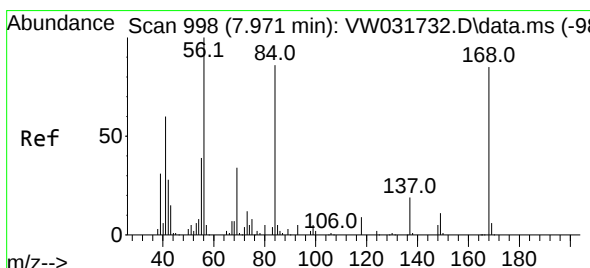
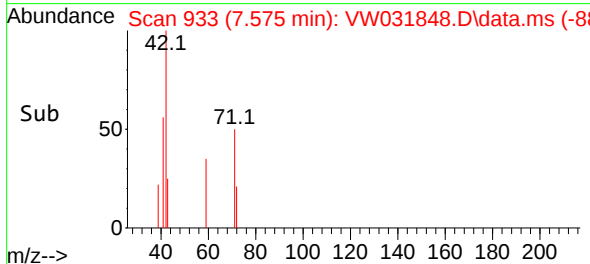
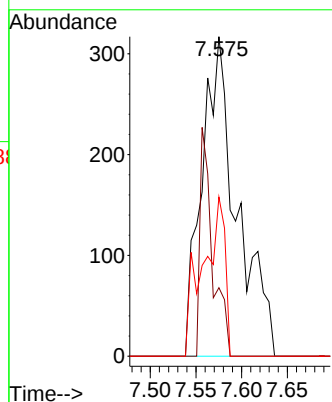
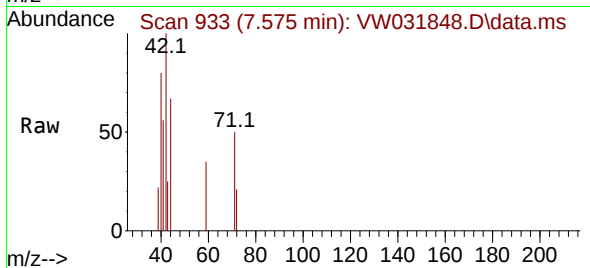
Tgt Ion: 42 Resp: 846

Ion Ratio Lower Upper

42 100

72 25.5 36.8 55.2#

71 31.6 34.6 52.0#



#31

Cyclohexane

Concen: 1.256 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.006 min

Lab File: VW031848.D

Acq: 14 Jul 2025 14:13

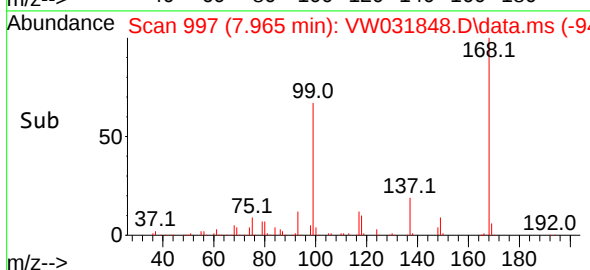
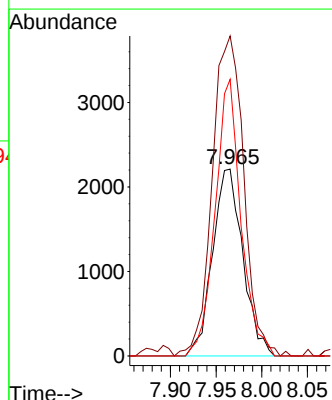
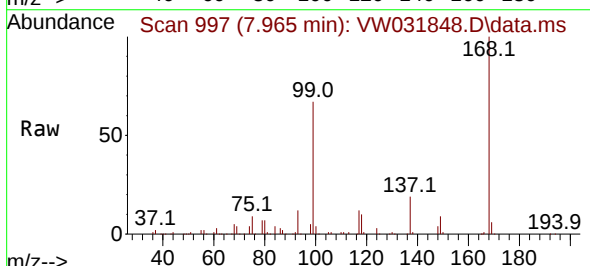
Tgt Ion: 56 Resp: 5084

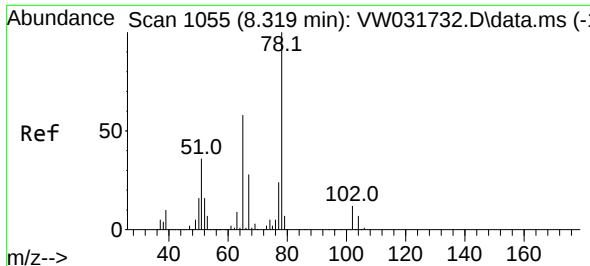
Ion Ratio Lower Upper

56 100

69 171.3 27.2 40.8#

84 148.1 68.5 102.7#





#33

1,2-Dichloroethane-d4

Concen: 48.530 ug/l

RT: 8.319 min Scan# 1055

Delta R.T. 0.000 min

Lab File: VW031848.D

Acq: 14 Jul 2025 14:13

Instrument :

MSVOA_W

ClientSampleId :

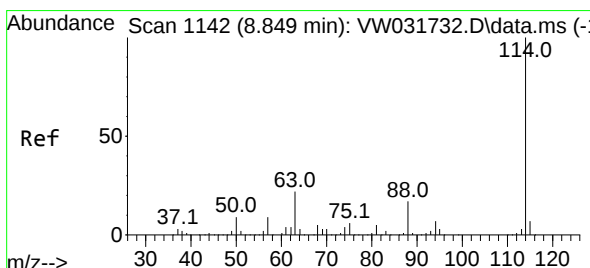
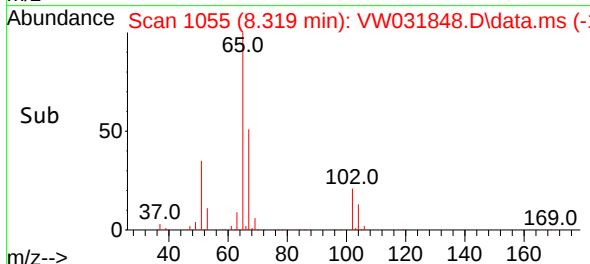
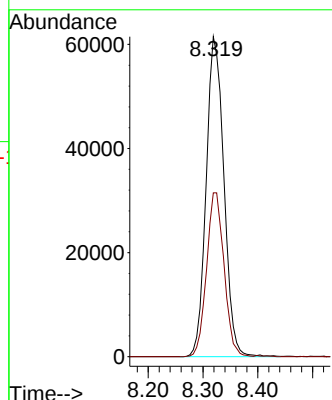
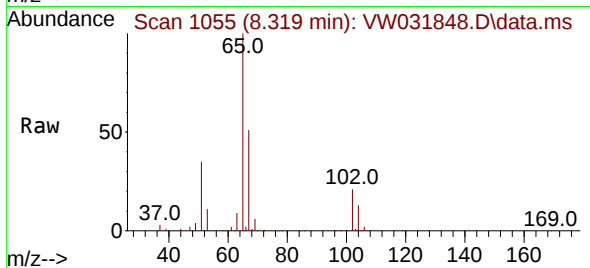
AU-06-071125

Tgt Ion: 65 Resp: 137922

Ion Ratio Lower Upper

65 100

67 50.5 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: VW031848.D

Acq: 14 Jul 2025 14:13

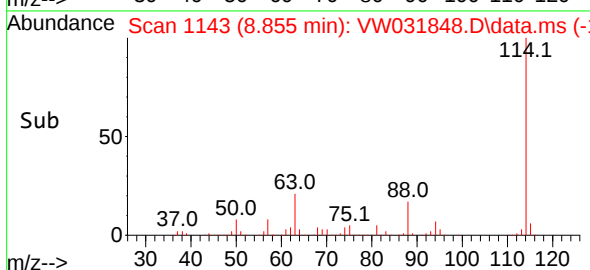
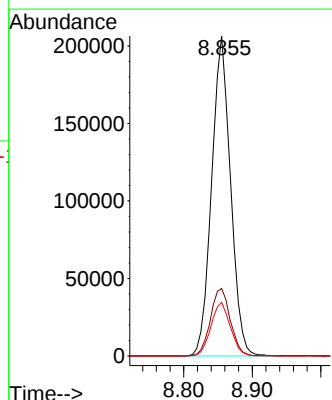
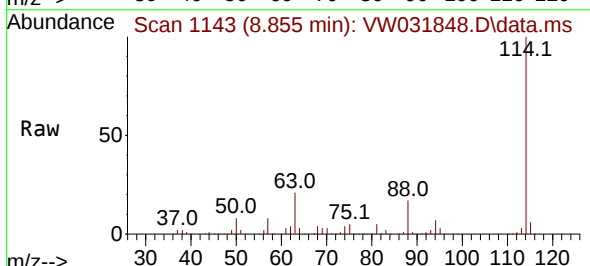
Tgt Ion: 114 Resp: 394580

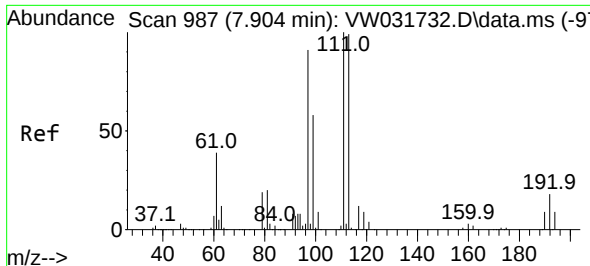
Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.6

88 16.8 0.0 34.2

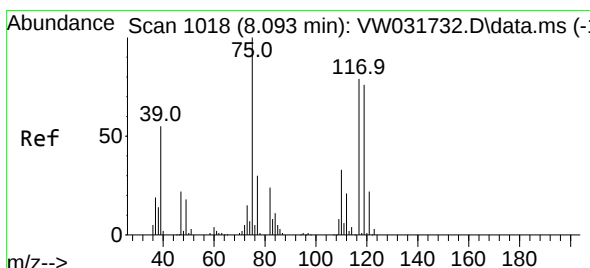
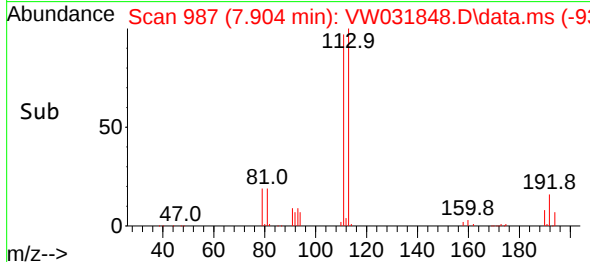
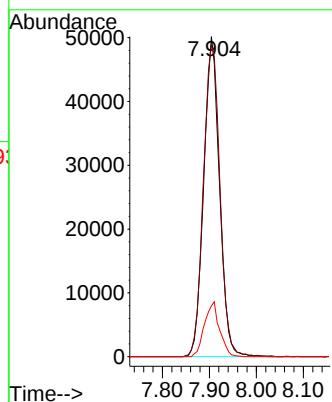
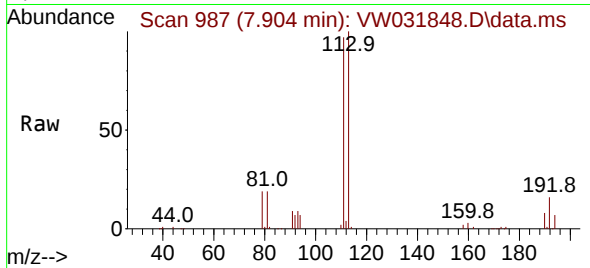




#35
 Dibromofluoromethane
 Concen: 45.274 ug/l
 RT: 7.904 min Scan# 911
 Delta R.T. 0.000 min
 Lab File: VW031848.D
 Acq: 14 Jul 2025 14:13

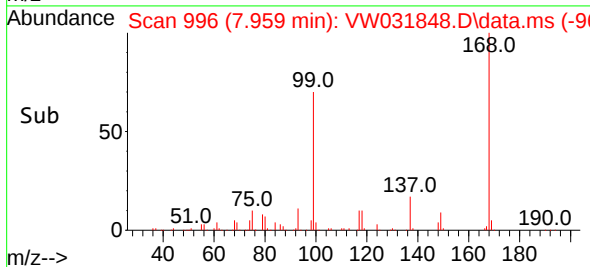
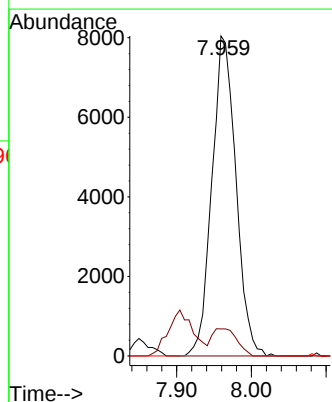
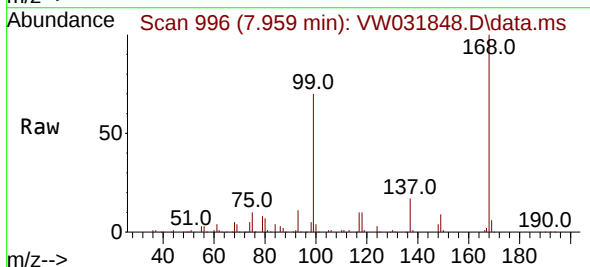
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-071125

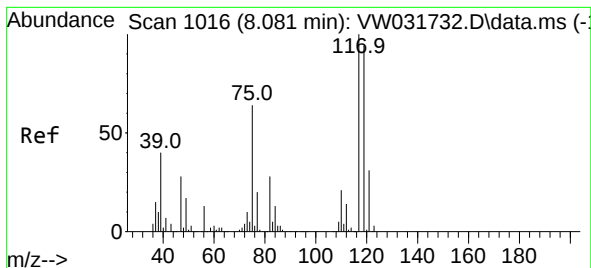
Tgt Ion:	113	Resp:	116571
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.1	123.1
192	16.4	13.8	20.6



#36
 1,1-Dichloropropene
 Concen: 4.817 ug/l
 RT: 7.959 min Scan# 996
 Delta R.T. -0.134 min
 Lab File: VW031848.D
 Acq: 14 Jul 2025 14:13

Tgt Ion:	75	Resp:	17947
Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.8	50.4#
77	0.0	25.0	37.6#





#38

Carbon Tetrachloride

Concen: 5.828 ug/l

RT: 7.965 min Scan# 997

Delta R.T. -0.116 min

Lab File: VW031848.D

Acq: 14 Jul 2025 14:13

Instrument :

MSVOA_W

ClientSampleId :

AU-06-071125

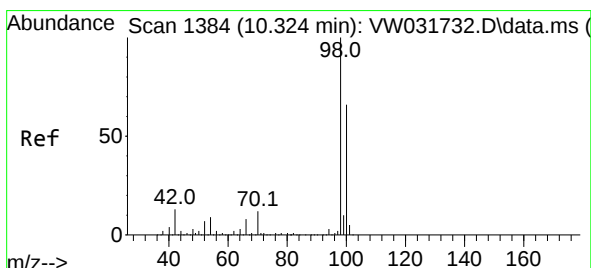
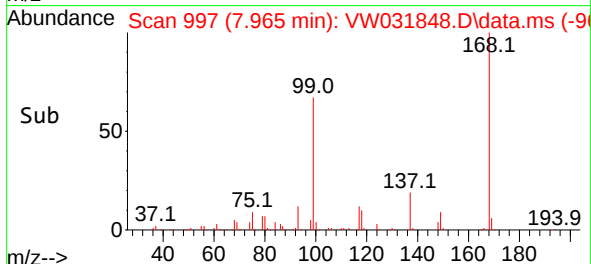
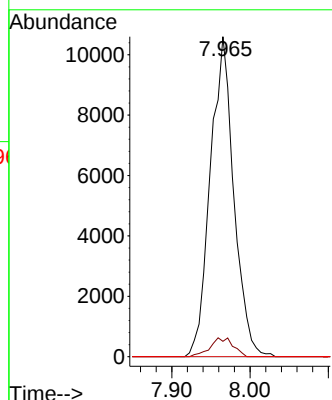
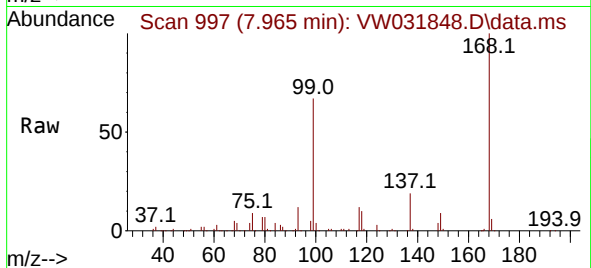
Tgt Ion:117 Resp: 22126

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

121 0.0 24.6 37.0#



#50

Toluene-d8

Concen: 43.950 ug/l

RT: 10.325 min Scan# 1384

Delta R.T. 0.000 min

Lab File: VW031848.D

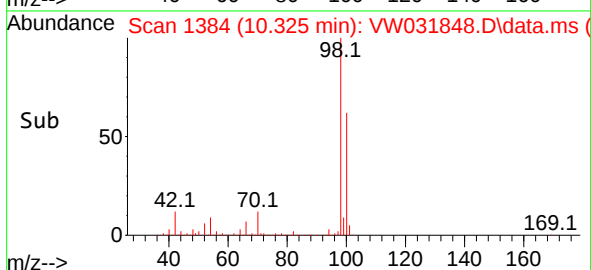
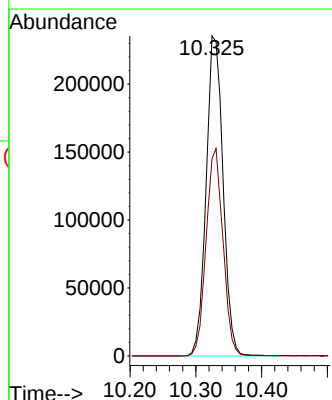
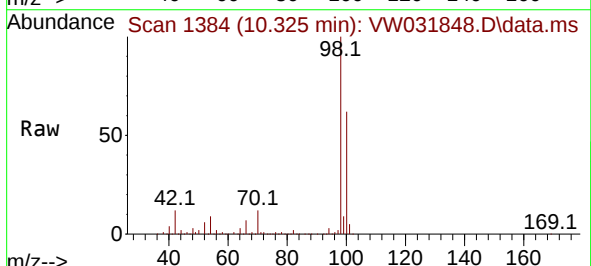
Acq: 14 Jul 2025 14:13

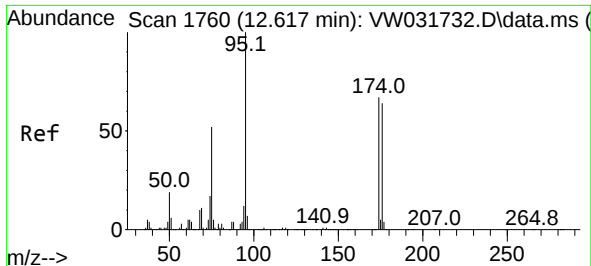
Tgt Ion: 98 Resp: 421128

Ion Ratio Lower Upper

98 100

100 64.7 53.0 79.4

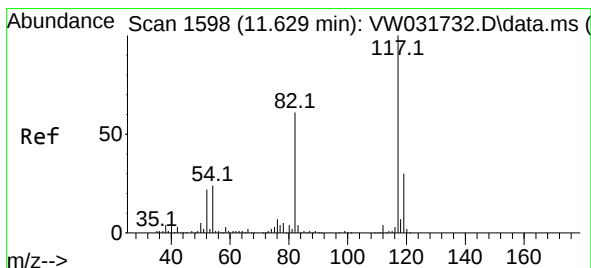
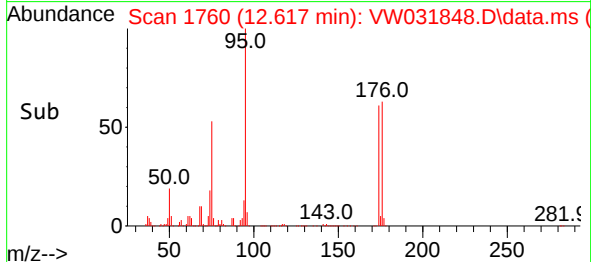
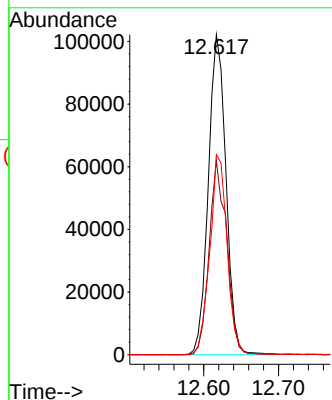
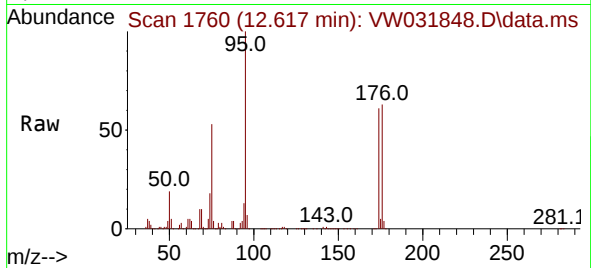




#62
4-Bromofluorobenzene
Concen: 47.508 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

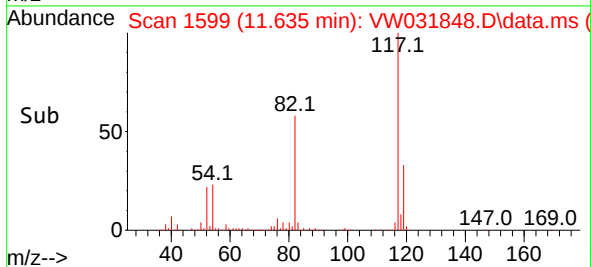
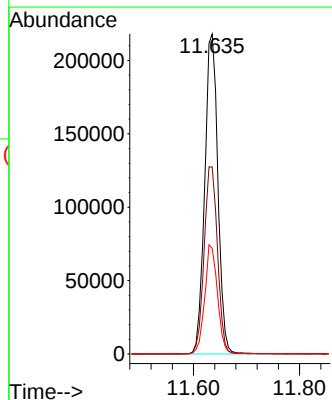
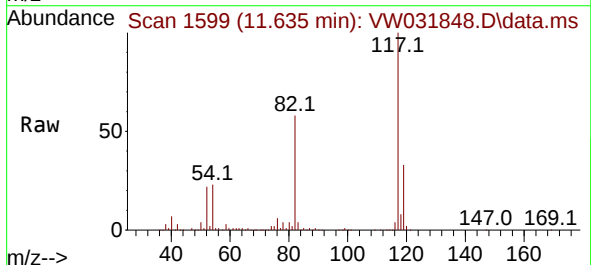
Instrument :
MSVOA_W
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AU-06-071125

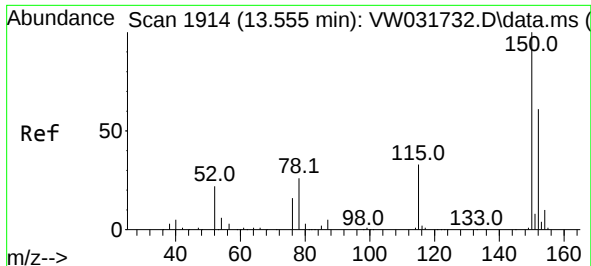
Tgt Ion: 95 Resp: 167519
Ion Ratio Lower Upper
95 100
174 60.8 0.0 133.8
176 61.5 0.0 126.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 1599
Delta R.T. 0.006 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

Tgt Ion: 117 Resp: 374777
Ion Ratio Lower Upper
117 100
82 58.5 48.6 72.8
119 32.9 23.9 35.9

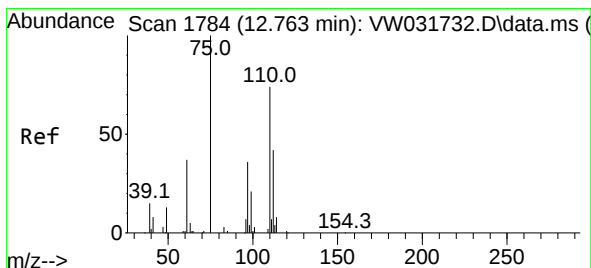
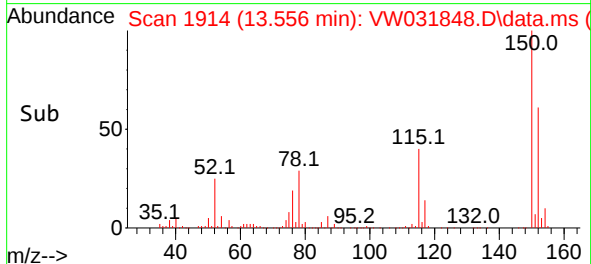
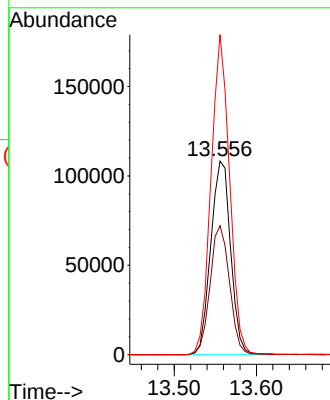
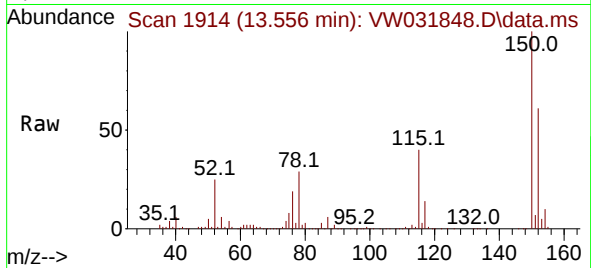




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW031848.D
 Acq: 14 Jul 2025 14:13

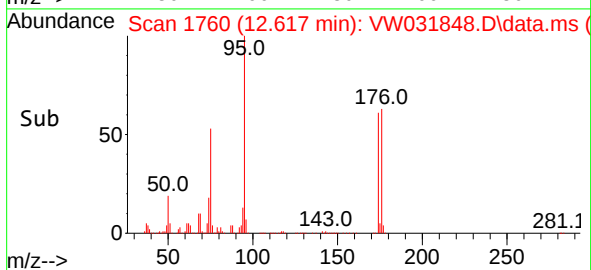
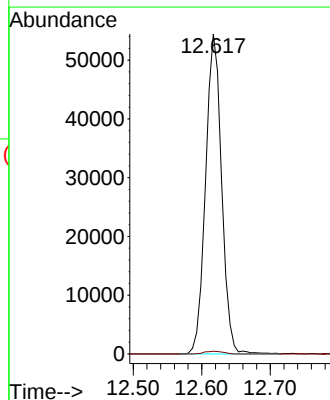
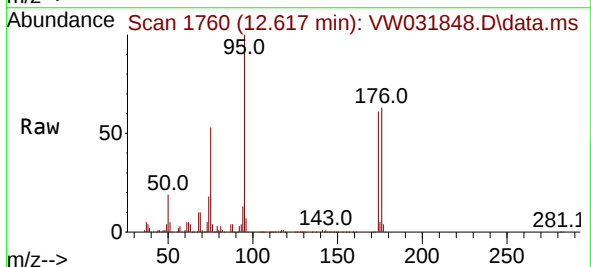
Instrument :
 MSVOA_W
 ClientSampleId :
 AU-06-071125

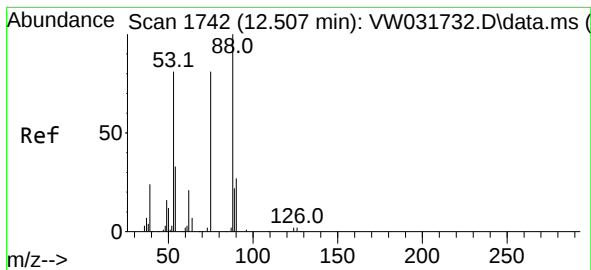
Tgt Ion:152 Resp: 181491
 Ion Ratio Lower Upper
 152 100
 115 65.3 31.9 95.7
 150 154.9 0.0 356.4



#76
 1,2,3-Trichloropropane
 Concen: 37.796 ug/l
 RT: 12.617 min Scan# 1760
 Delta R.T. -0.146 min
 Lab File: VW031848.D
 Acq: 14 Jul 2025 14:13

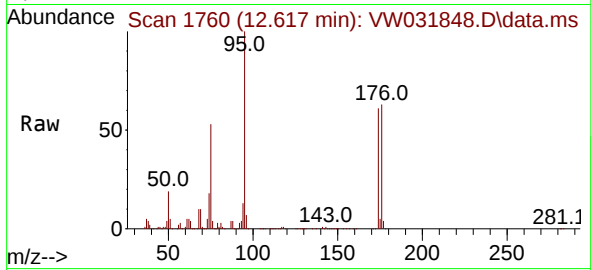
Tgt Ion: 75 Resp: 88646
 Ion Ratio Lower Upper
 75 100
 77 1.0 141.2 423.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 88.033 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW031848.D
Acq: 14 Jul 2025 14:13

Instrument :
MSVOA_W
ClientSampleId :
AU-06-071125



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

