

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031802.D
 Acq On : 10 Jul 2025 14:52
 Operator : SY/MD
 Sample : Q2529-09
 Misc : 6.26g/5mL/MSVOA_W/SOIL/B
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-33

Quant Time: Jul 11 02:21:32 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)

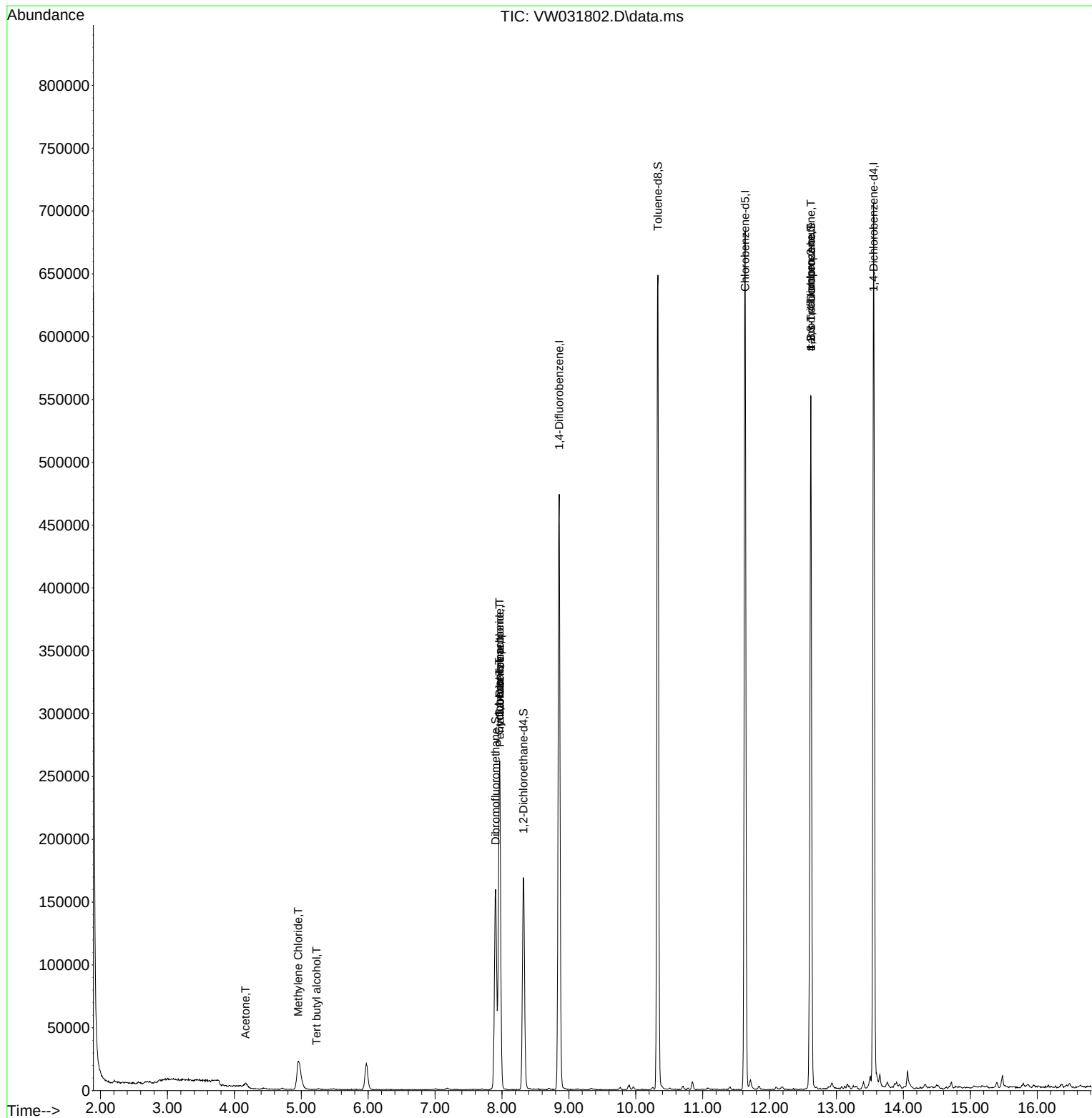
Internal Standards						
1) Pentafluorobenzene	7.971	168	174896	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	394315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	366550	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	166714	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	142786	56.888	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	113.780%
35) Dibromofluoromethane	7.904	113	115961	45.067	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	90.140%
50) Toluene-d8	10.331	98	442456	46.207	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	92.420%
62) 4-Bromofluorobenzene	12.617	95	173082	49.118	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.240%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.228	59	191	1.228	ug/l #	69
16) Acetone	4.167	43	4627	7.458	ug/l	90
20) Methylene Chloride	4.954	84	21389	4.590	ug/l	95
31) Cyclohexane	7.959	56	4676	1.308	ug/l #	1
36) 1,1-Dichloropropene	7.965	75	16790	4.509	ug/l #	50
38) Carbon Tetrachloride	7.965	117	21060	5.551	ug/l #	17
76) 1,2,3-Trichloropropane	12.617	75	94482	43.855	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	94482	102.146	ug/l #	8

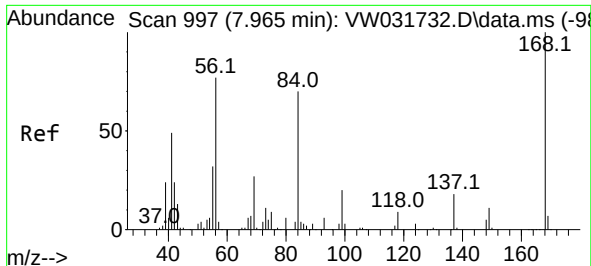
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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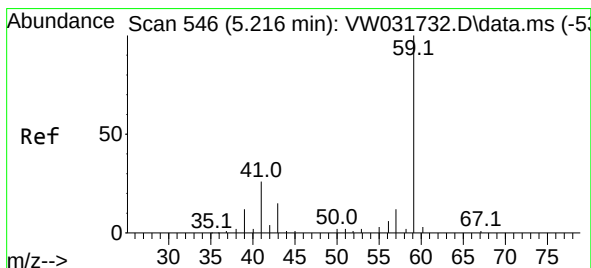
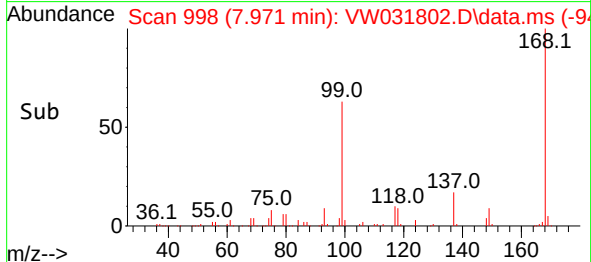
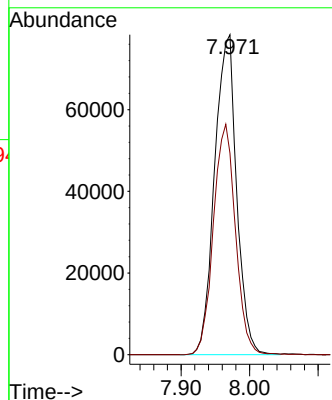
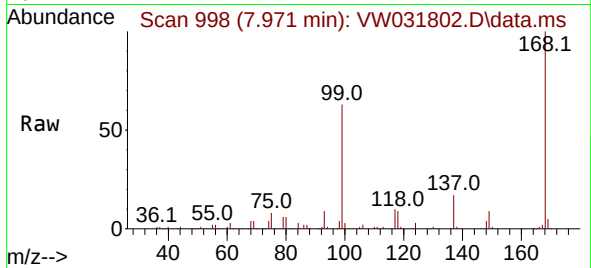




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.971 min Scan# 99
Delta R.T. 0.006 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

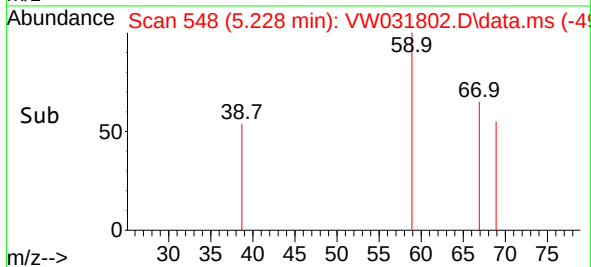
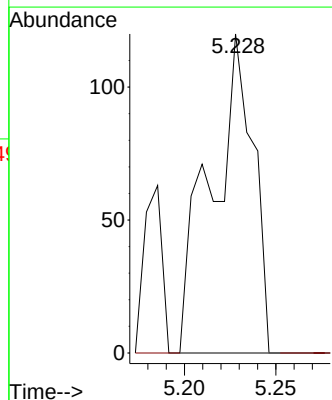
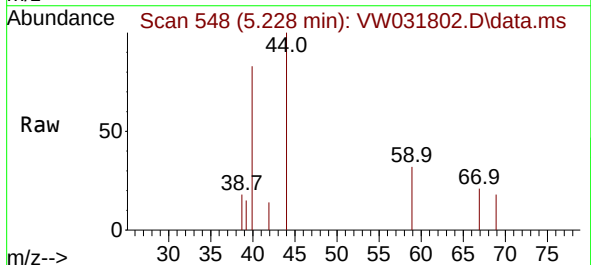
Instrument :
MSVOA_W
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TP-33

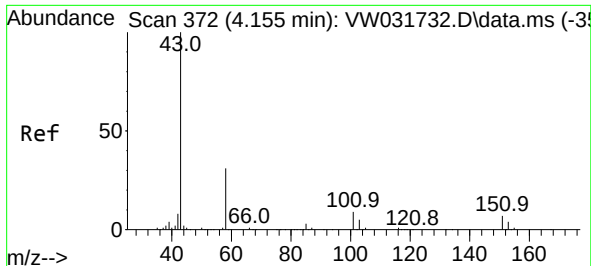
Tgt Ion:168 Resp: 174896
Ion Ratio Lower Upper
168 100
99 62.9 49.4 74.2



#11
Tert butyl alcohol
Concen: 1.228 ug/l
RT: 5.228 min Scan# 548
Delta R.T. 0.012 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 9.5 14.3#

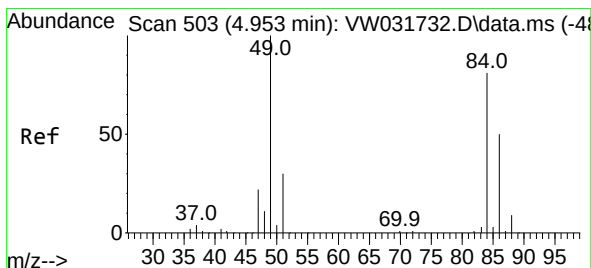
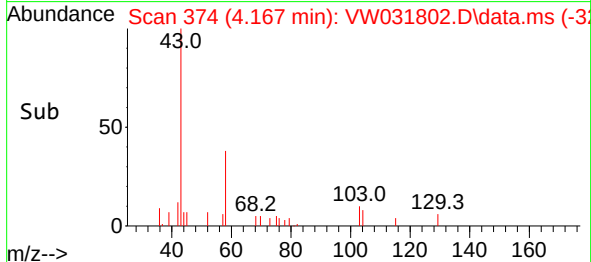
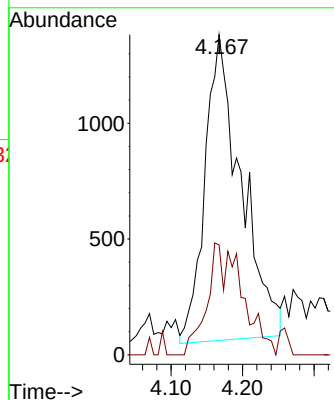
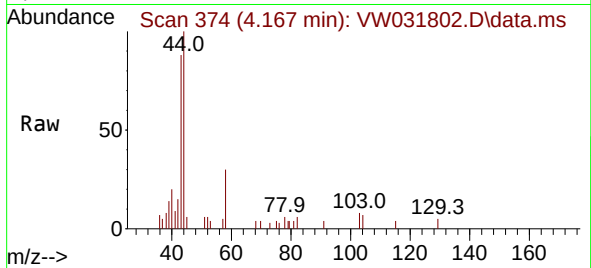




#16
Acetone
Concen: 7.458 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

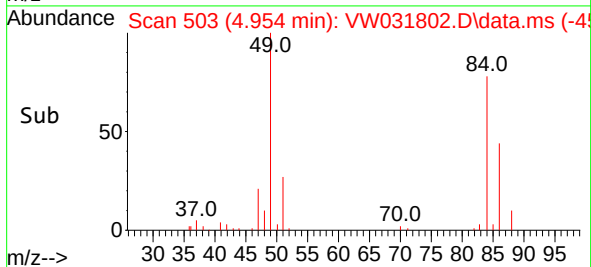
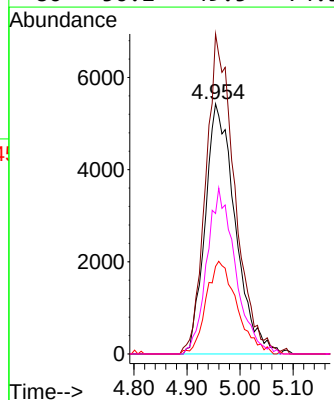
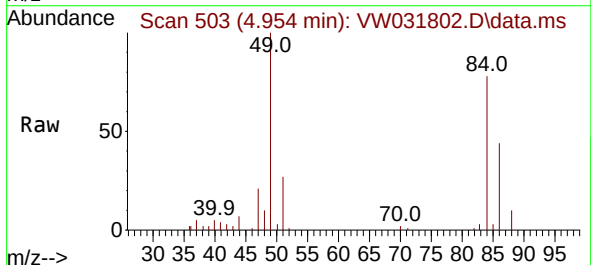
Instrument :
MSVOA_W
ClientSampleId :
TP-33

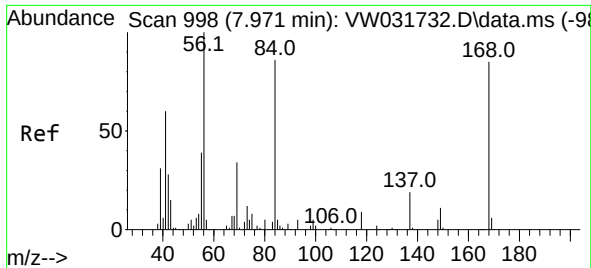
Tgt Ion: 43 Resp: 4627
Ion Ratio Lower Upper
43 100
58 36.5 24.8 37.2



#20
Methylene Chloride
Concen: 4.590 ug/l
RT: 4.954 min Scan# 503
Delta R.T. 0.000 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

Tgt Ion: 84 Resp: 21389
Ion Ratio Lower Upper
84 100
49 128.0 98.2 147.4
51 35.0 29.8 44.8
86 56.2 49.5 74.3

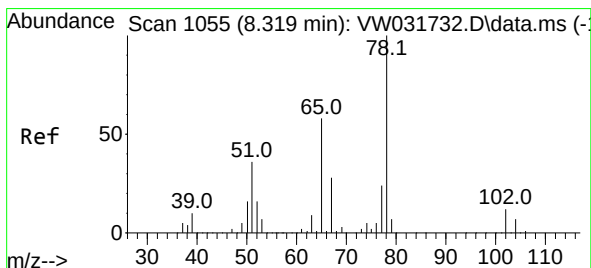
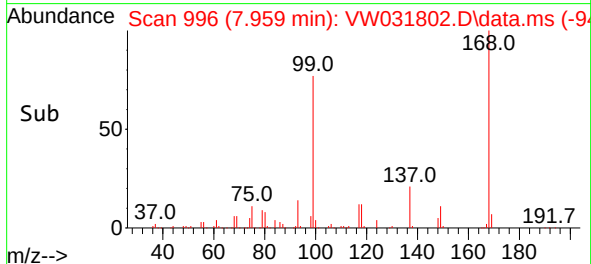
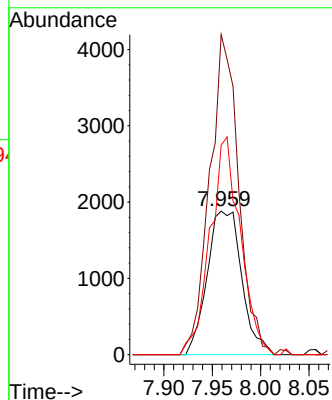
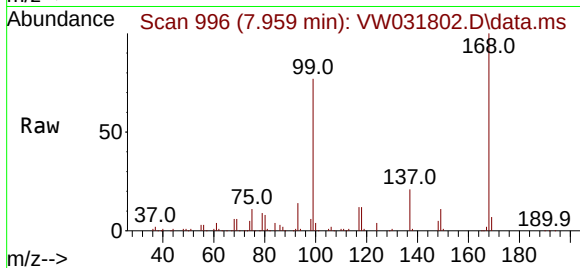




#31
Cyclohexane
Concen: 1.308 ug/l
RT: 7.959 min Scan# 996
Delta R.T. -0.012 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

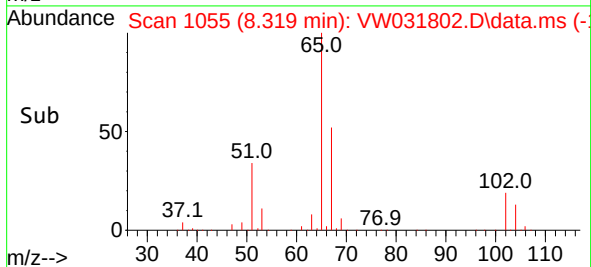
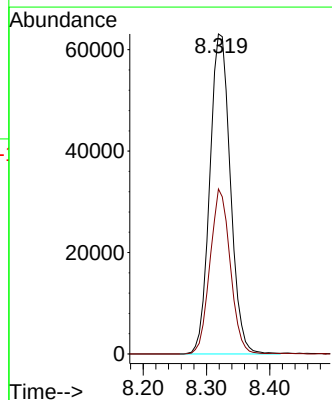
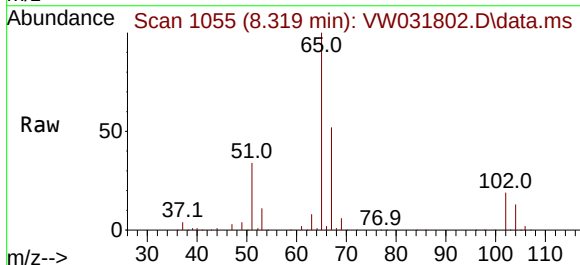
Instrument :
MSVOA_W
ClientSampleId :
TP-33

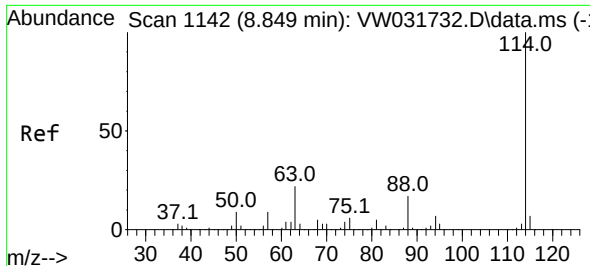
Tgt Ion: 56 Resp: 4676
Ion Ratio Lower Upper
56 100
69 223.1 27.2 40.8#
84 146.0 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 56.888 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. 0.000 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

Tgt Ion: 65 Resp: 142786
Ion Ratio Lower Upper
65 100
67 50.6 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: VW031802.D

Acq: 10 Jul 2025 14:52

Instrument :

MSVOA_W

ClientSampleId :

TP-33

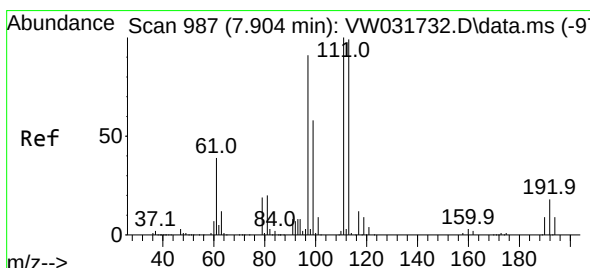
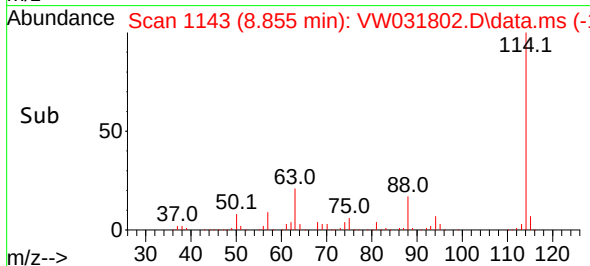
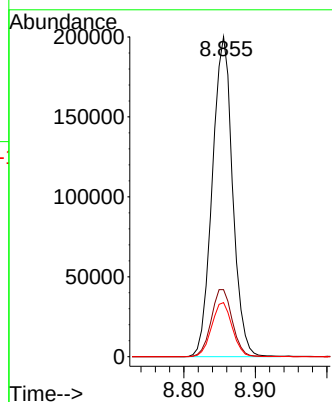
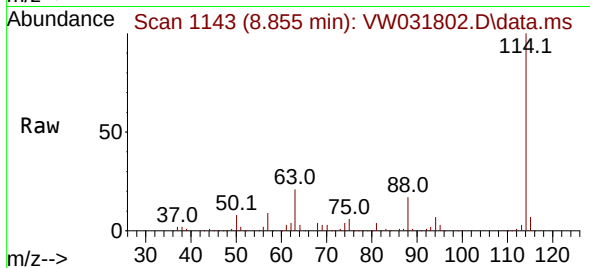
Tgt Ion:114 Resp: 394315

Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.6

88 16.9 0.0 34.2



#35

Dibromofluoromethane

Concen: 45.067 ug/l

RT: 7.904 min Scan# 987

Delta R.T. 0.000 min

Lab File: VW031802.D

Acq: 10 Jul 2025 14:52

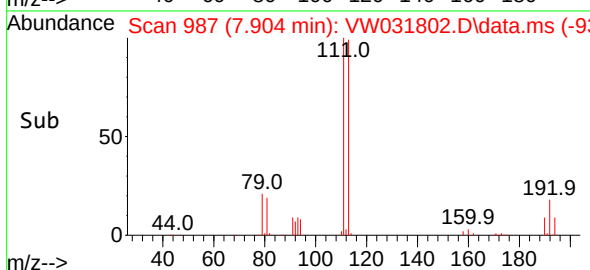
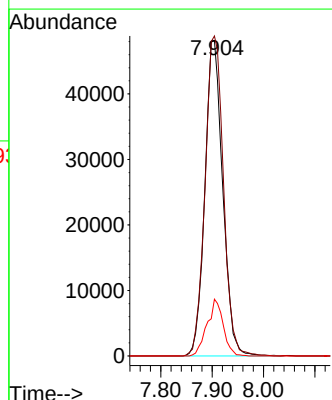
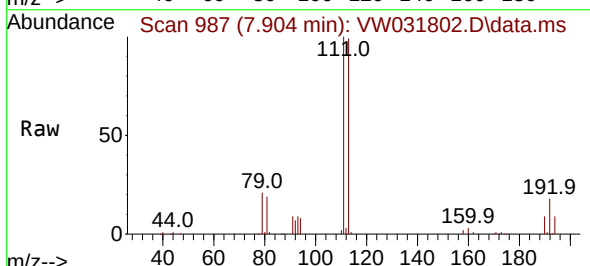
Tgt Ion:113 Resp: 115961

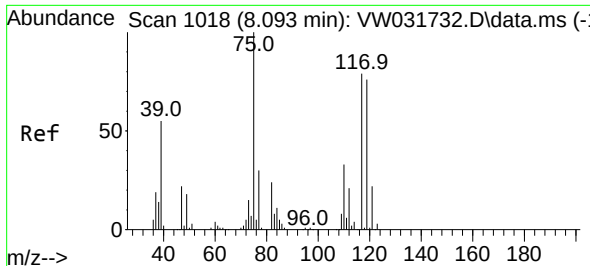
Ion Ratio Lower Upper

113 100

111 104.6 82.1 123.1

192 16.4 13.8 20.6

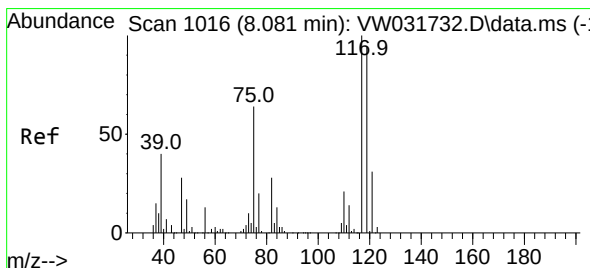
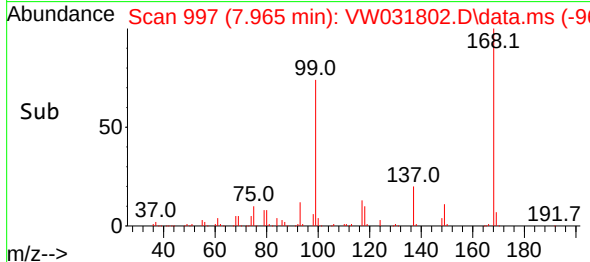
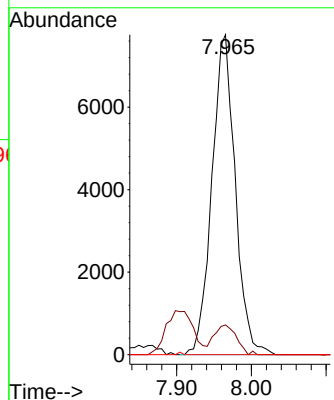
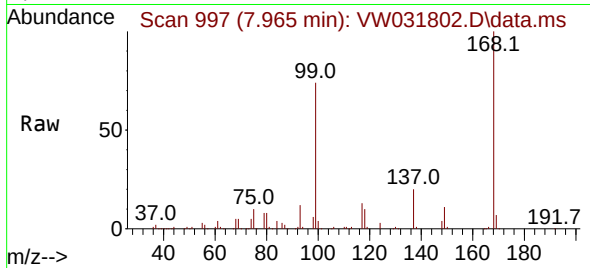




#36
 1,1-Dichloropropene
 Concen: 4.509 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031802.D
 Acq: 10 Jul 2025 14:52

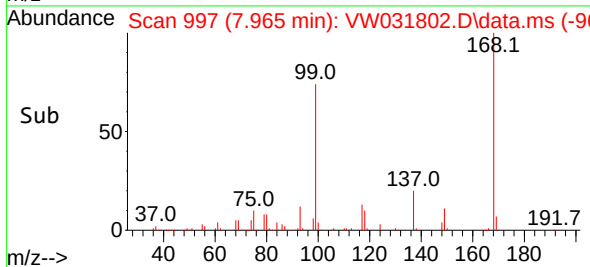
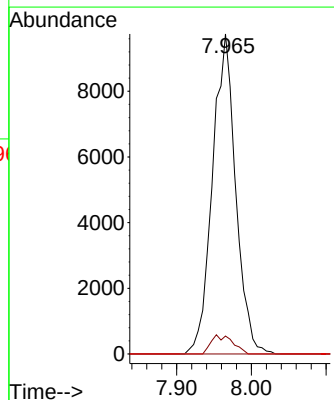
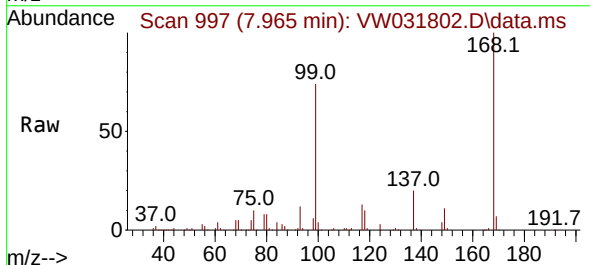
Instrument :
 MSVOA_W
 ClientSampleId :
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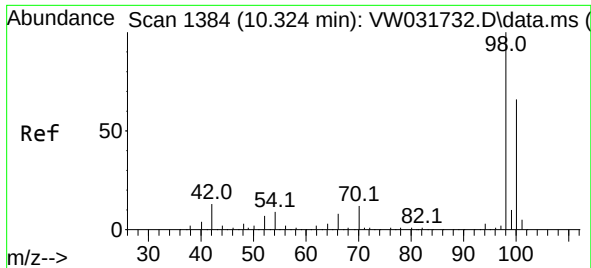
Tgt Ion: 75 Resp: 16790
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.8 50.4#
 77 0.0 25.0 37.6#



#38
 Carbon Tetrachloride
 Concen: 5.551 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.116 min
 Lab File: VW031802.D
 Acq: 10 Jul 2025 14:52

Tgt Ion: 117 Resp: 21060
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.0 112.6#
 121 0.0 24.6 37.0#

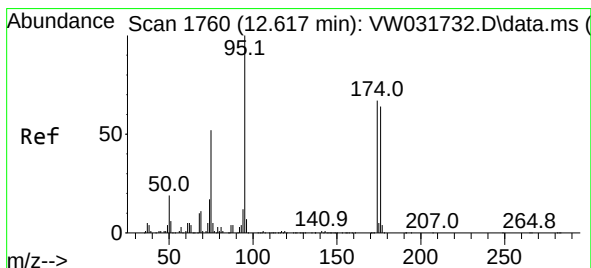
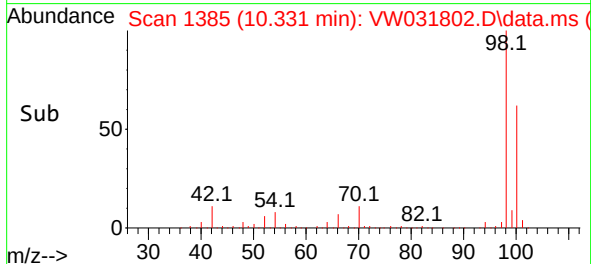
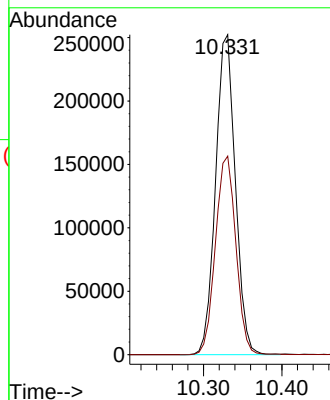
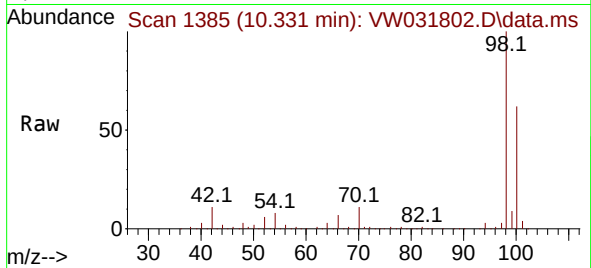




#50
Toluene-d8
Concen: 46.207 ug/l
RT: 10.331 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

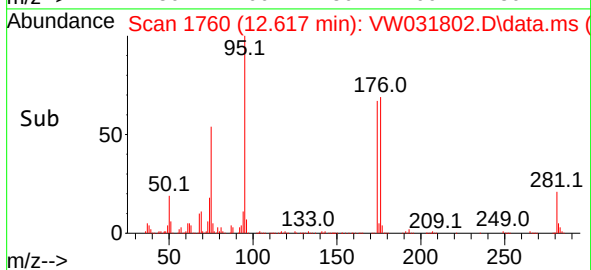
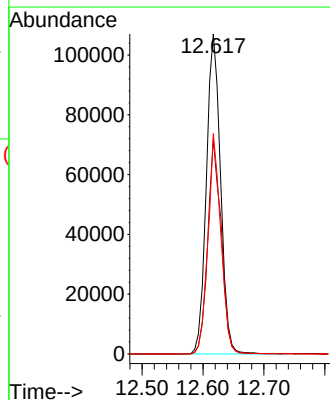
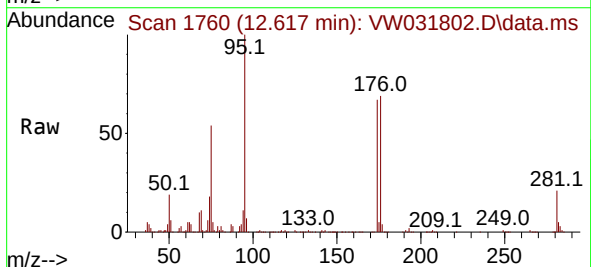
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ClientSampleId :
TP-33

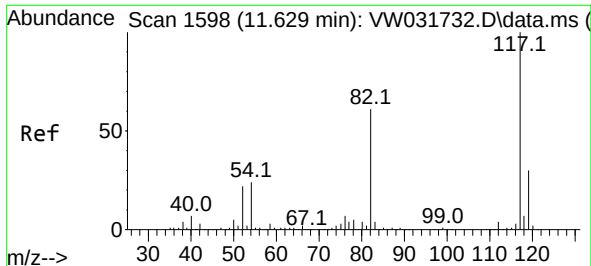
Tgt Ion: 98 Resp: 442456
Ion Ratio Lower Upper
98 100
100 64.3 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.118 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

Tgt Ion: 95 Resp: 173082
Ion Ratio Lower Upper
95 100
174 63.7 0.0 133.8
176 62.8 0.0 126.0

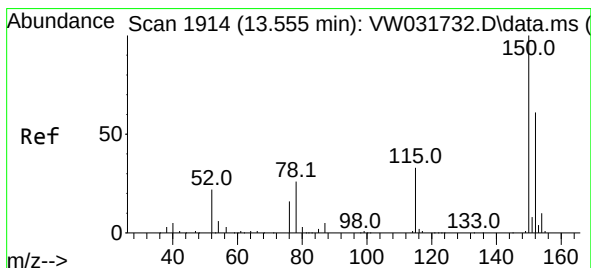
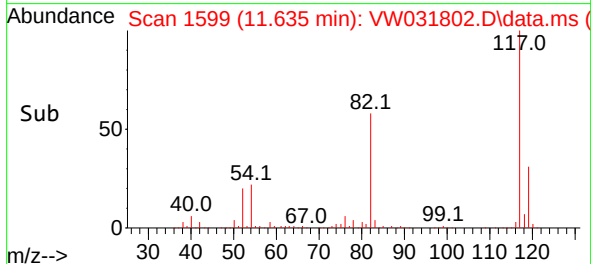
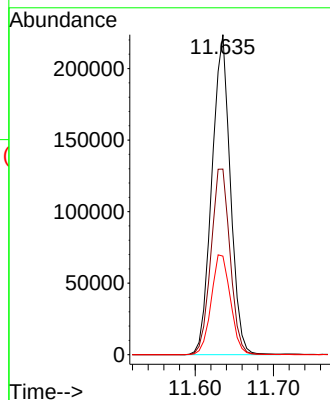
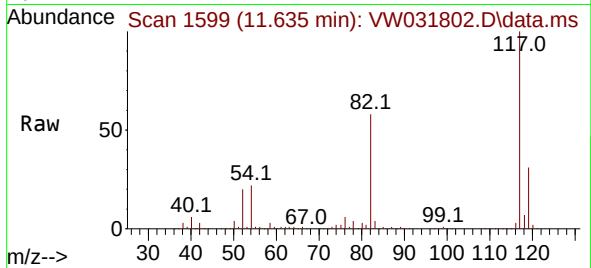




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

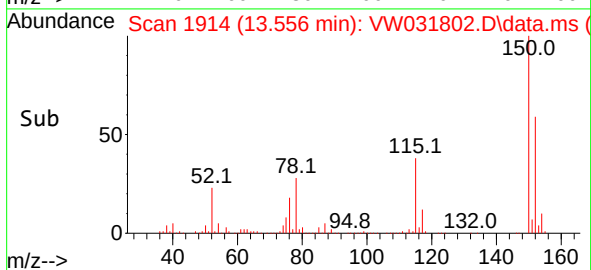
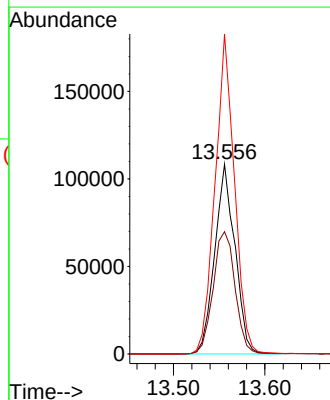
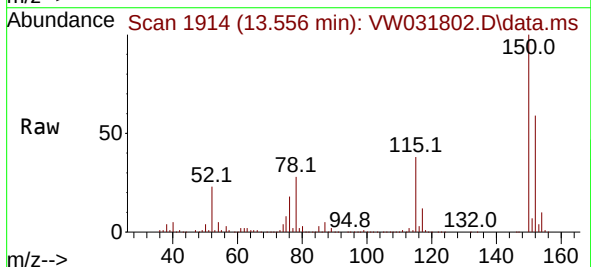
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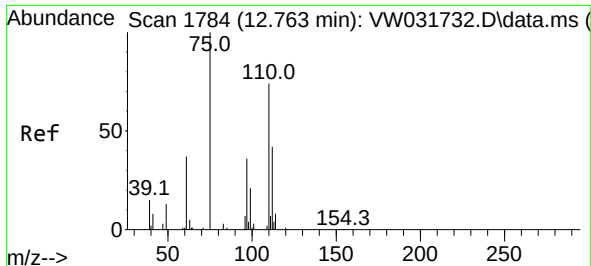
Tgt Ion:117 Resp: 366550
Ion Ratio Lower Upper
117 100
82 58.0 48.6 72.8
119 30.8 23.9 35.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.556 min Scan# 1914
Delta R.T. 0.000 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

Tgt Ion:152 Resp: 166714
Ion Ratio Lower Upper
152 100
115 70.0 31.9 95.7
150 162.2 0.0 356.4

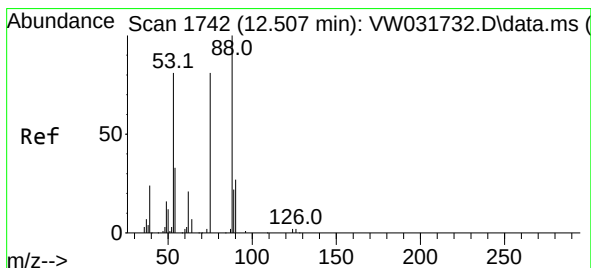
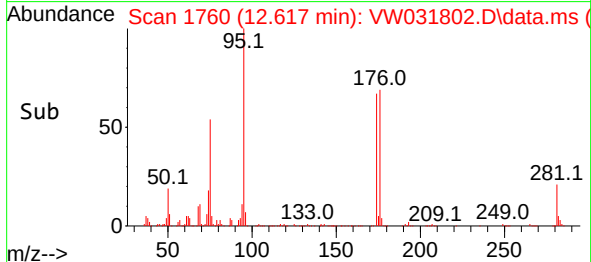
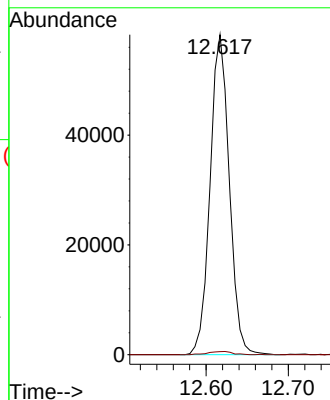
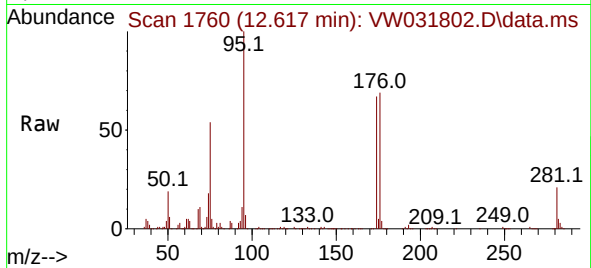




#76
1,2,3-Trichloropropane
Concen: 43.855 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.146 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

Instrument :
MSVOA_W
ClientSampleId :
TP-33

Tgt Ion: 75 Resp: 94482
Ion Ratio Lower Upper
75 100
77 1.2 141.2 423.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.146 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.110 min
Lab File: VW031802.D
Acq: 10 Jul 2025 14:52

Tgt Ion: 75 Resp: 94482
Ion Ratio Lower Upper
75 100
53 0.0 83.5 125.3#
89 0.5 38.3 57.5#

