

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW071025\
 Data File : VW031809.D
 Acq On : 10 Jul 2025 17:26
 Operator : SY/MD
 Sample : Q2543-01
 Misc : 7.94g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 TP-41

Quant Time: Jul 11 02:24:21 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)

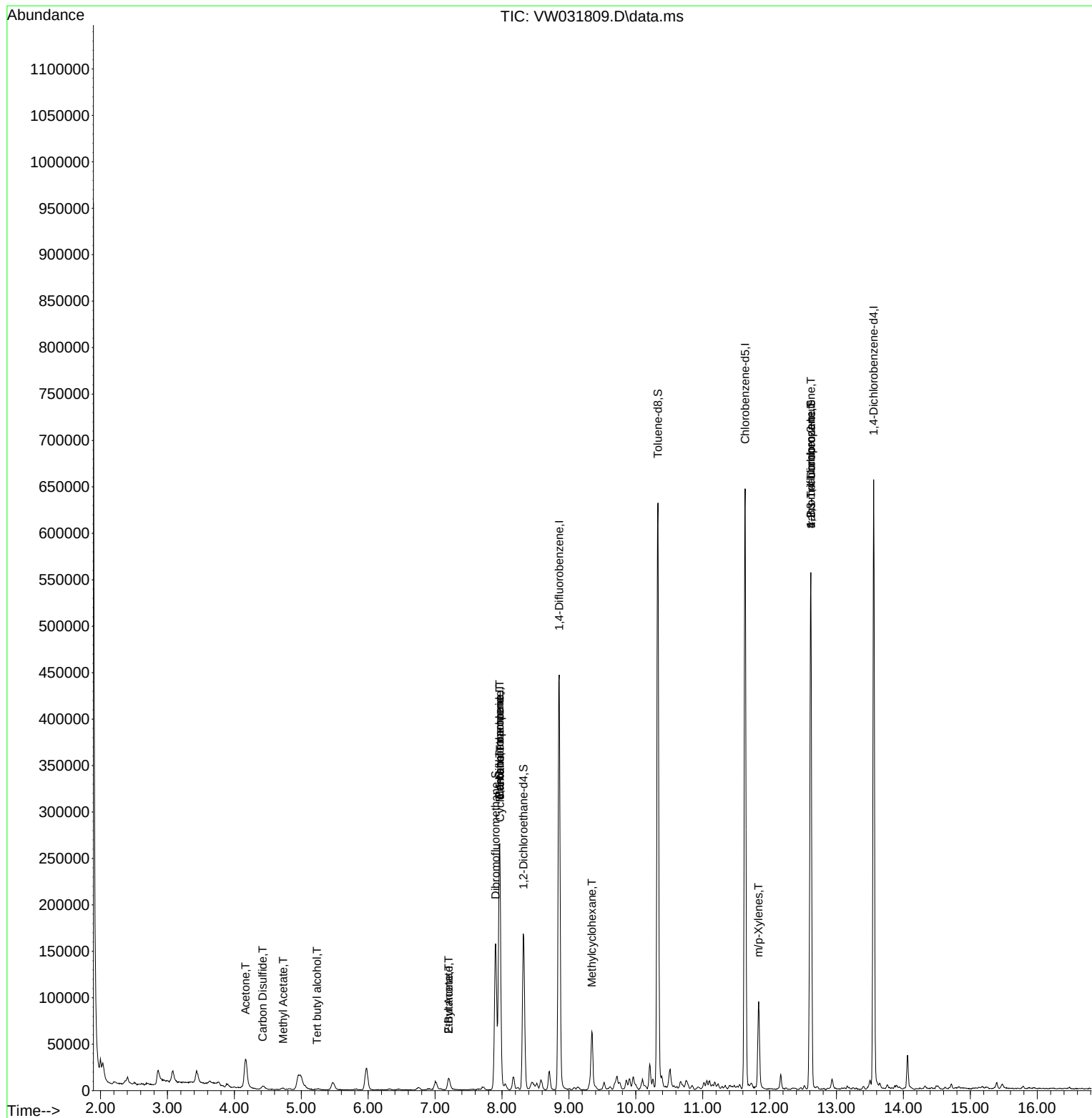
Internal Standards						
1) Pentafluorobenzene	7.965	168	171010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	378208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	348050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	159478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	139239	56.735	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	=	113.480%
35) Dibromofluoromethane	7.904	113	116383	47.157	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	=	94.320%
50) Toluene-d8	10.330	98	422063	45.955	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	=	91.900%
62) 4-Bromofluorobenzene	12.617	95	166288	49.200	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	=	98.400%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.234	59	1572	10.339	ug/l #	69
16) Acetone	4.167	43	61563	101.489	ug/l	96
17) Carbon Disulfide	4.423	76	8045	1.475	ug/l #	95
18) Methyl Acetate	4.728	43	3292	1.899	ug/l	96
25) 2-Butanone	7.203	43	22800	28.891	ug/l	94
31) Cyclohexane	7.971	56	16423	4.700	ug/l #	71
36) 1,1-Dichloropropene	7.965	75	16483	4.615	ug/l #	52
37) Ethyl Acetate	7.203	43	22800	10.121	ug/l #	68
38) Carbon Tetrachloride	7.965	117	20393	5.604	ug/l #	17
39) Methylcyclohexane	9.343	83	25351	5.705	ug/l	97
68) m/p-Xylenes	11.836	106	28107	5.491	ug/l	99
76) 1,2,3-Trichloropropane	12.617	75	88396	42.892	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.617	75	88396	99.902	ug/l #	8

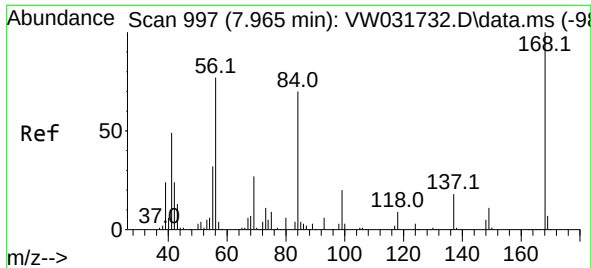
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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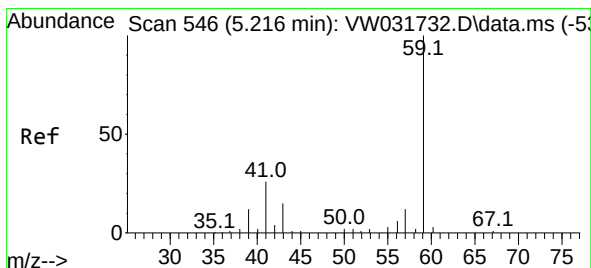
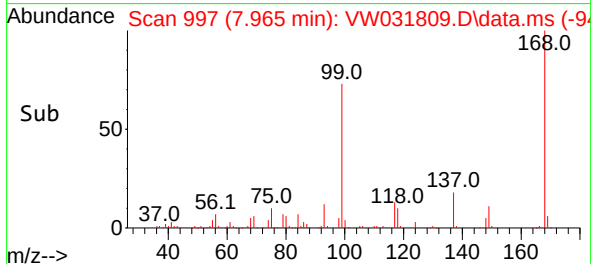
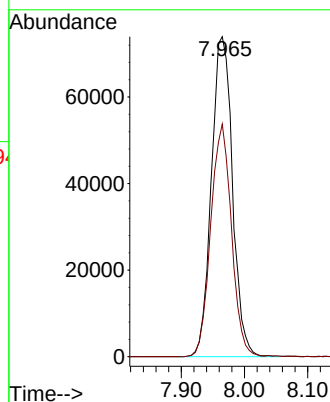
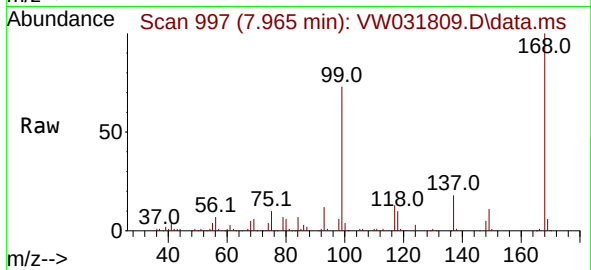




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

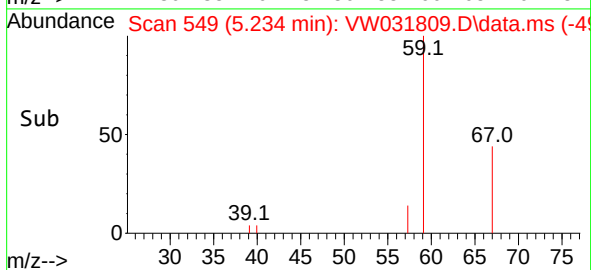
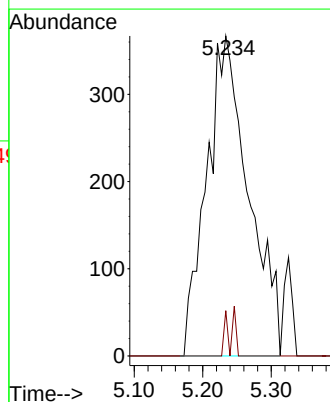
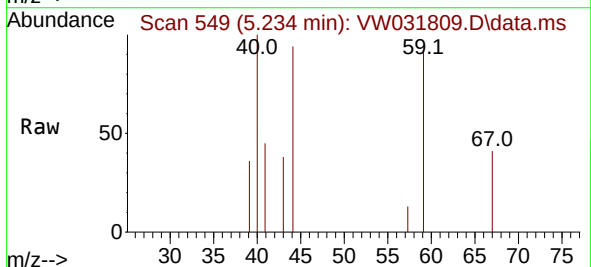
Instrument :
MSVOA_W
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TP-41

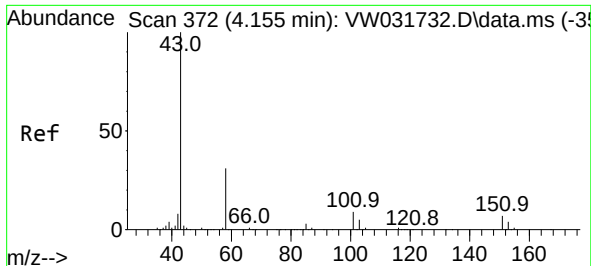
Tgt Ion:168 Resp: 171010
Ion Ratio Lower Upper
168 100
99 72.7 49.4 74.2



#11
Tert butyl alcohol
Concen: 10.339 ug/l
RT: 5.234 min Scan# 549
Delta R.T. 0.018 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

Tgt Ion: 59 Resp: 1572
Ion Ratio Lower Upper
59 100
57 0.0 9.5 14.3#

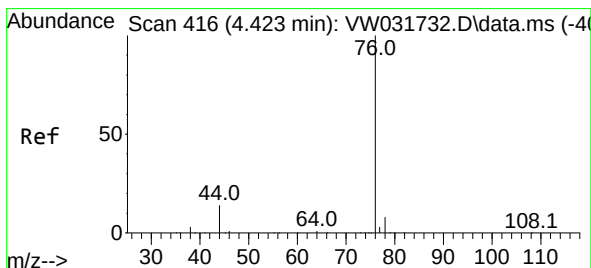
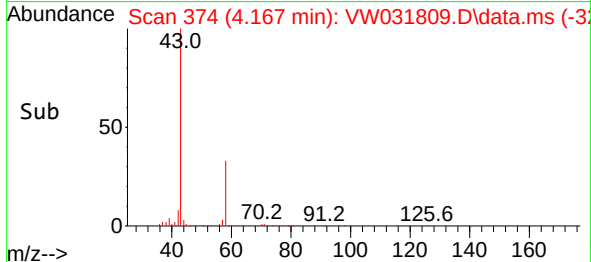
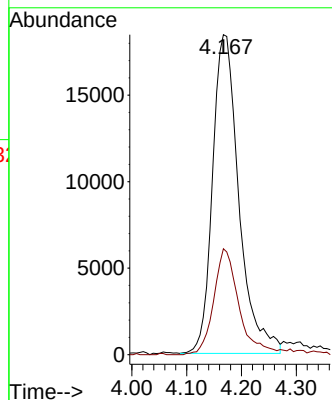
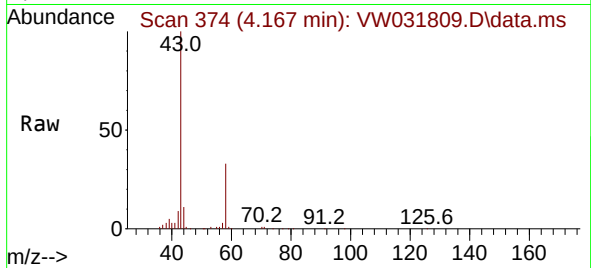




#16
Acetone
Concen: 101.489 ug/l
RT: 4.167 min Scan# 31
Delta R.T. 0.012 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

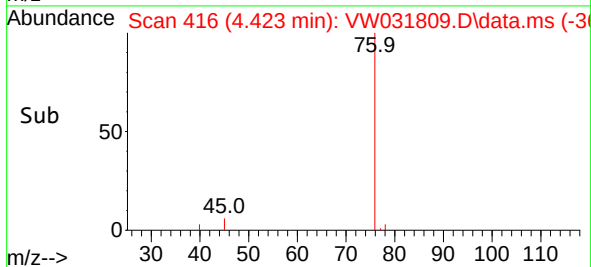
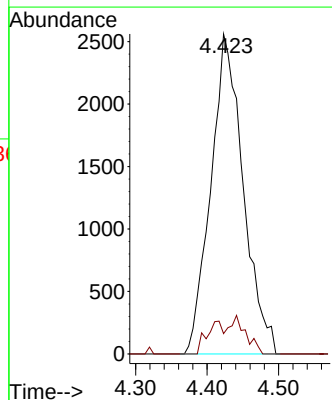
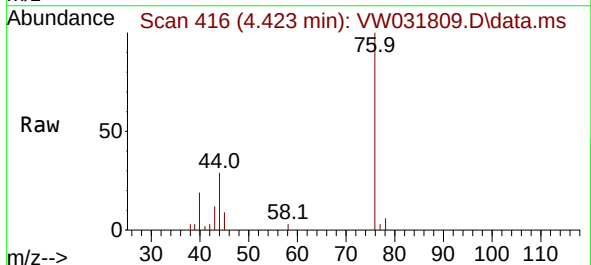
Instrument :
MSVOA_W
ClientSampleId :
TP-41

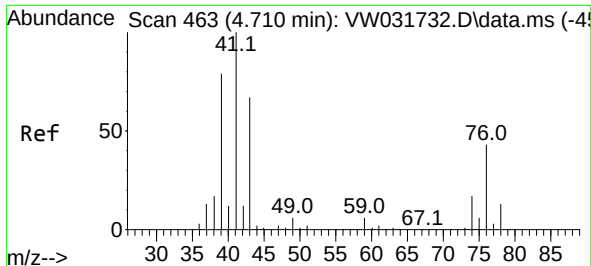
Tgt Ion: 43 Resp: 61563
Ion Ratio Lower Upper
43 100
58 33.2 24.8 37.2



#17
Carbon Disulfide
Concen: 1.475 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

Tgt Ion: 76 Resp: 8045
Ion Ratio Lower Upper
76 100
78 6.4 6.6 10.0#

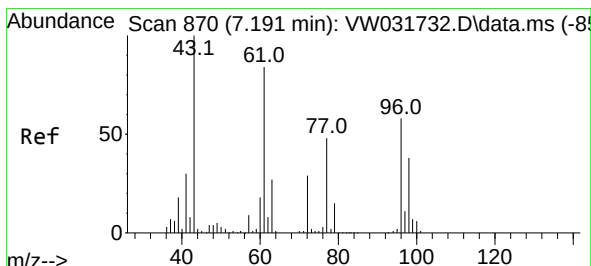
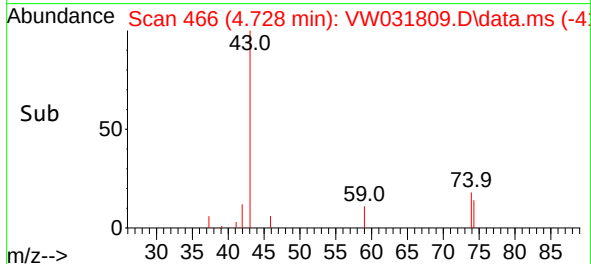
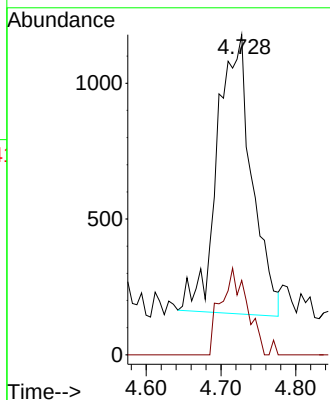
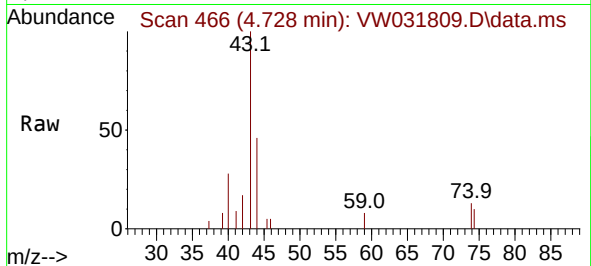




#18
Methyl Acetate
Concen: 1.899 ug/l
RT: 4.728 min Scan# 418
Delta R.T. 0.018 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

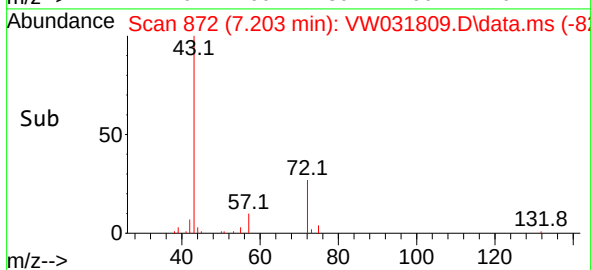
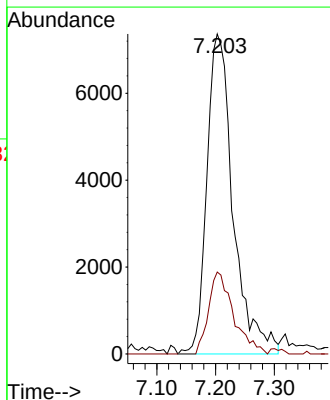
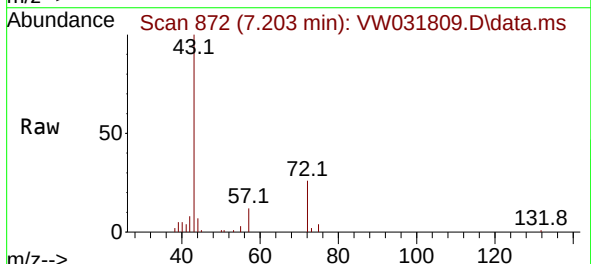
Instrument :
MSVOA_W
ClientSampleId :
TP-41

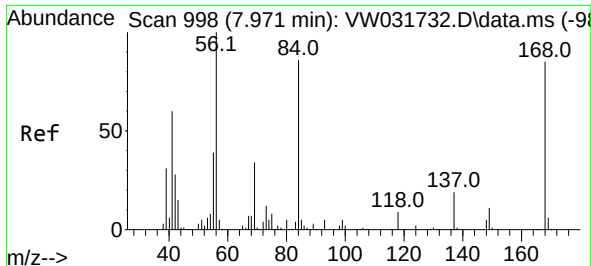
Tgt Ion: 43 Resp: 3292
Ion Ratio Lower Upper
43 100
74 23.8 20.6 30.8



#25
2-Butanone
Concen: 28.891 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

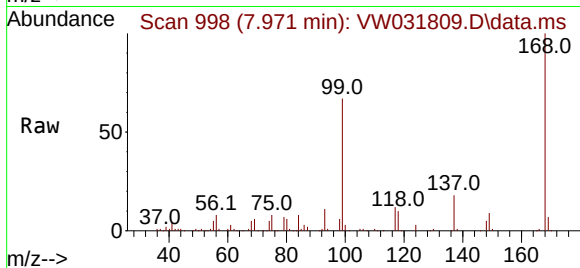
Tgt Ion: 43 Resp: 22800
Ion Ratio Lower Upper
43 100
72 25.6 23.0 34.6



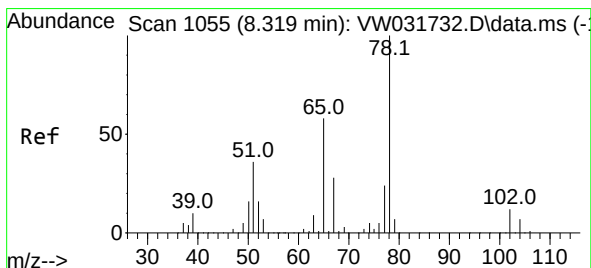
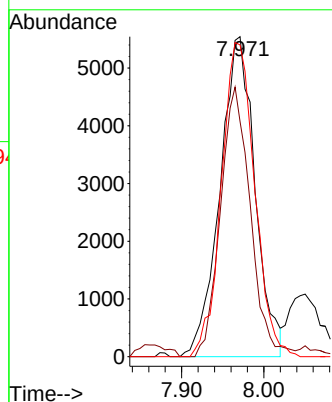
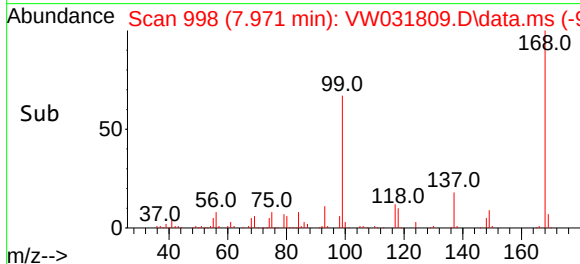


#31
Cyclohexane
Concen: 4.700 ug/l
RT: 7.971 min Scan# 998
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

Instrument :
MSVOA_W
ClientSampleId :
TP-41

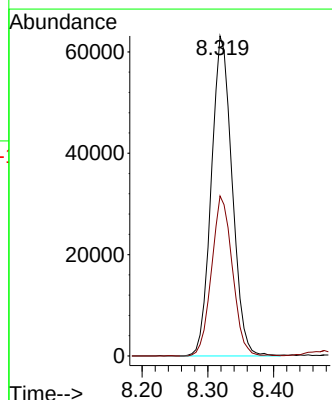
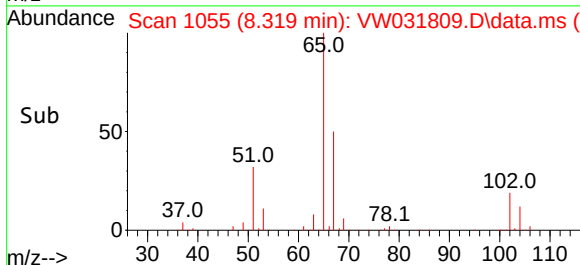
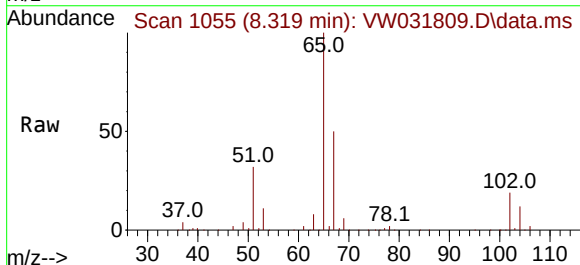


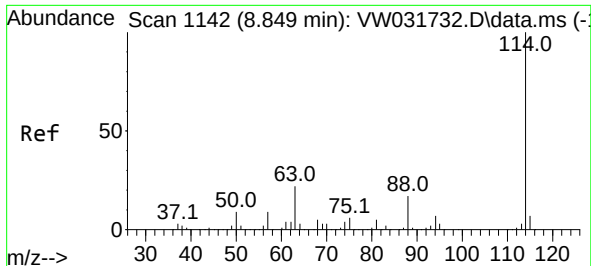
Tgt Ion: 56 Resp: 16423
Ion Ratio Lower Upper
56 100
69 73.5 27.2 40.8#
84 97.4 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 56.735 ug/l
RT: 8.319 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

Tgt Ion: 65 Resp: 139239
Ion Ratio Lower Upper
65 100
67 50.1 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: VW031809.D

Acq: 10 Jul 2025 17:26

Instrument :

MSVOA_W

ClientSampleId :

TP-41

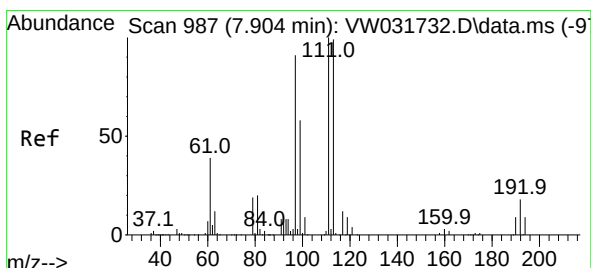
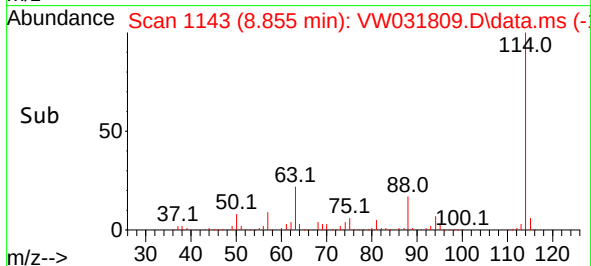
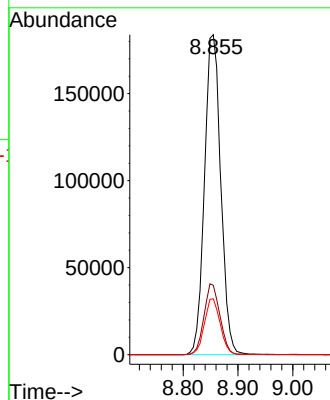
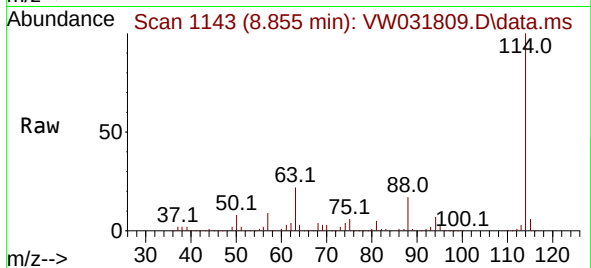
Tgt Ion:114 Resp: 378208

Ion Ratio Lower Upper

114 100

63 21.7 0.0 43.6

88 17.5 0.0 34.2



#35

Dibromofluoromethane

Concen: 47.157 ug/l

RT: 7.904 min Scan# 987

Delta R.T. -0.000 min

Lab File: VW031809.D

Acq: 10 Jul 2025 17:26

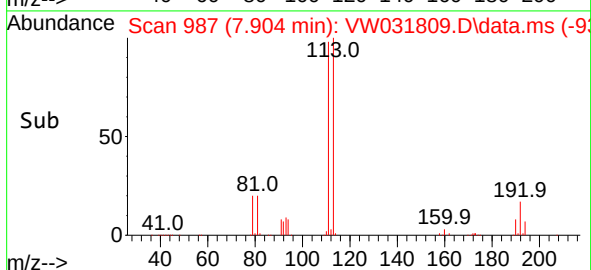
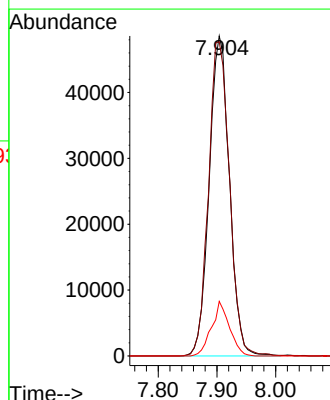
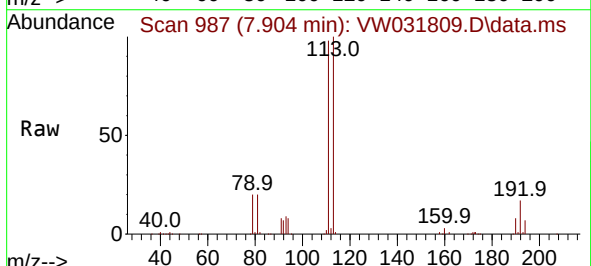
Tgt Ion:113 Resp: 116383

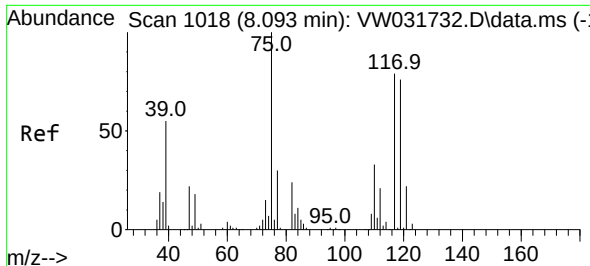
Ion Ratio Lower Upper

113 100

111 102.0 82.1 123.1

192 15.1 13.8 20.6

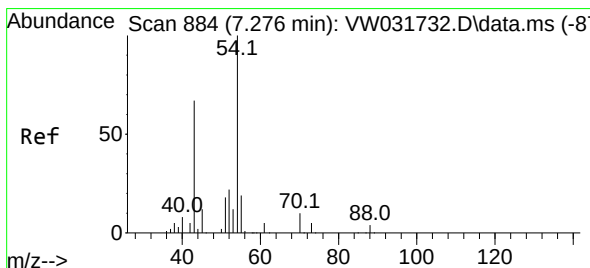
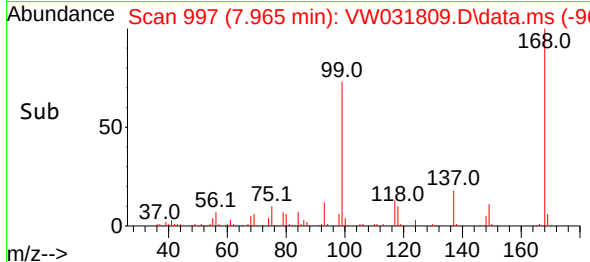
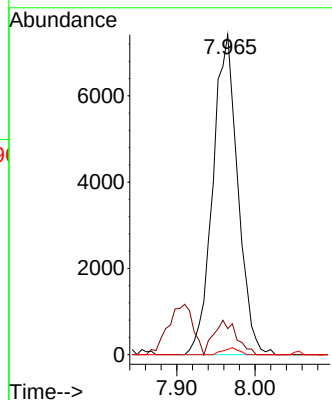
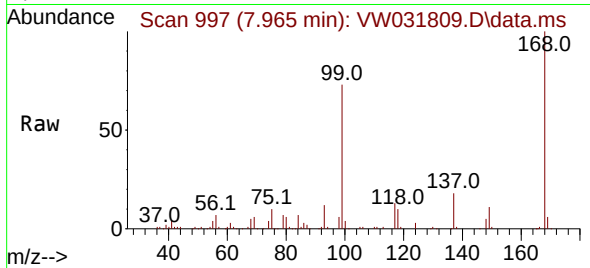




#36
 1,1-Dichloropropene
 Concen: 4.615 ug/l
 RT: 7.965 min Scan# 997
 Delta R.T. -0.128 min
 Lab File: VW031809.D
 Acq: 10 Jul 2025 17:26

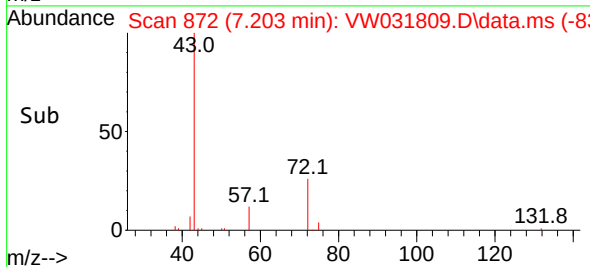
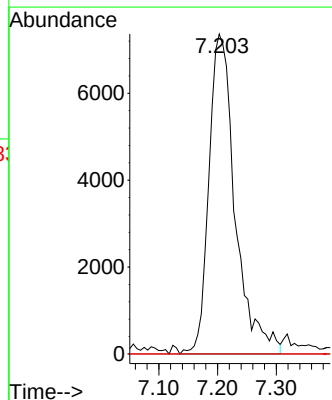
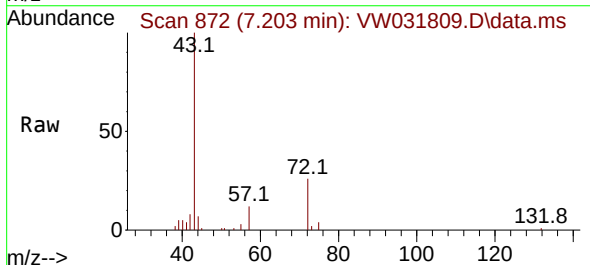
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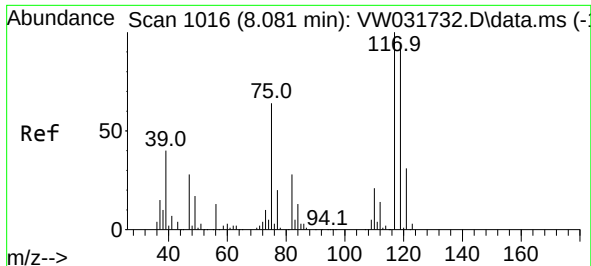
Tgt Ion: 75 Resp: 16483
 Ion Ratio Lower Upper
 75 100
 110 9.8 16.8 50.4#
 77 1.3 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 10.121 ug/l
 RT: 7.203 min Scan# 872
 Delta R.T. -0.073 min
 Lab File: VW031809.D
 Acq: 10 Jul 2025 17:26

Tgt Ion: 43 Resp: 22800
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.9 16.3#
 70 0.0 9.2 13.8#

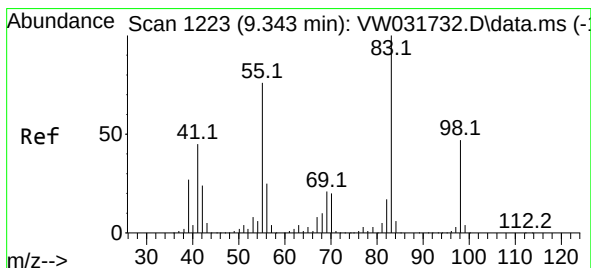
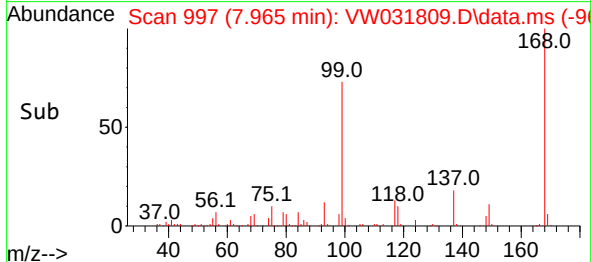
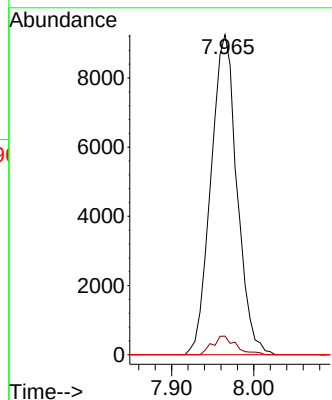
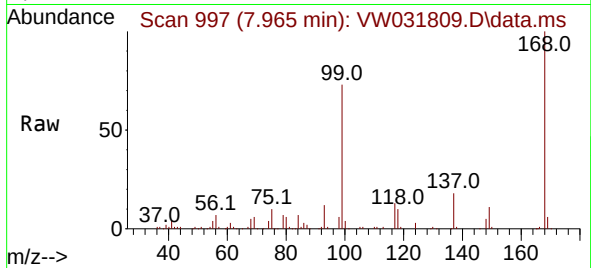




#38
Carbon Tetrachloride
Concen: 5.604 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.116 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

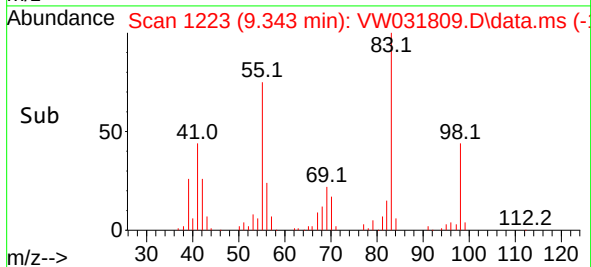
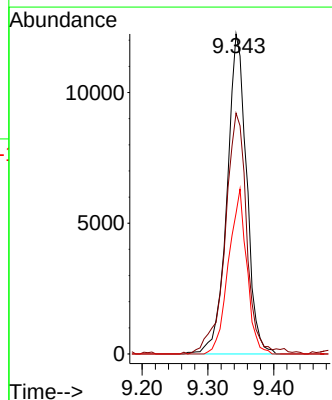
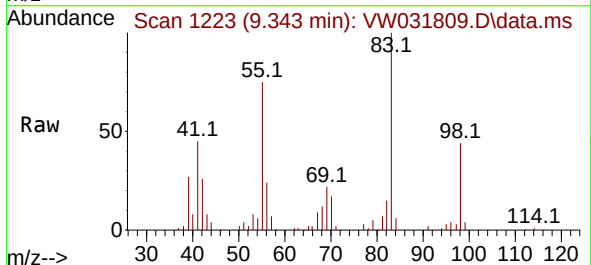
Instrument :
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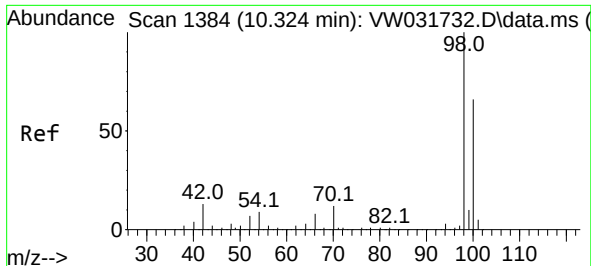
Tgt Ion:117 Resp: 20393
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 5.705 ug/l
RT: 9.343 min Scan# 1223
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

Tgt Ion: 83 Resp: 25351
Ion Ratio Lower Upper
83 100
55 75.2 61.0 91.4
98 44.0 37.9 56.9

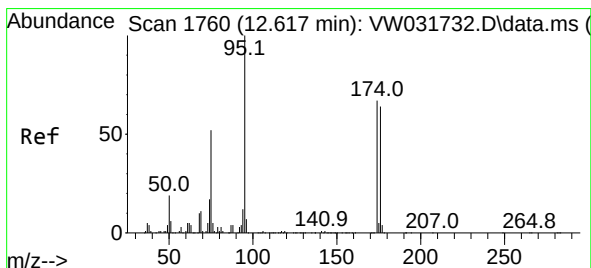
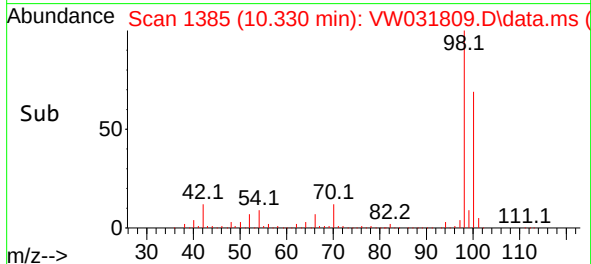
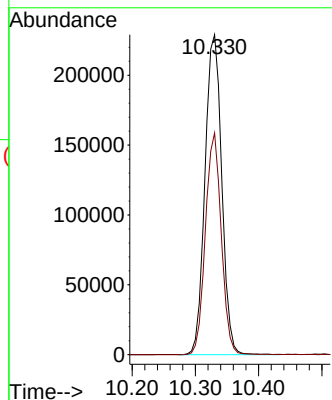
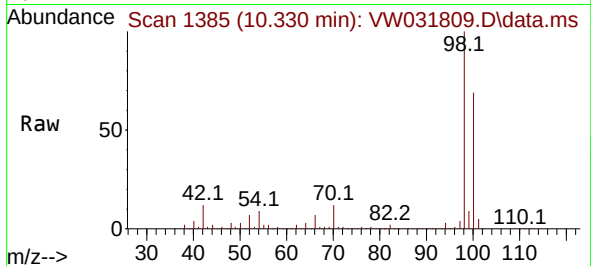




#50
Toluene-d8
Concen: 45.955 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

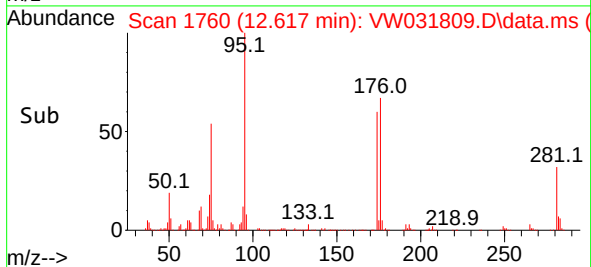
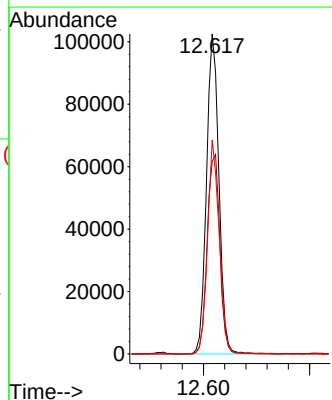
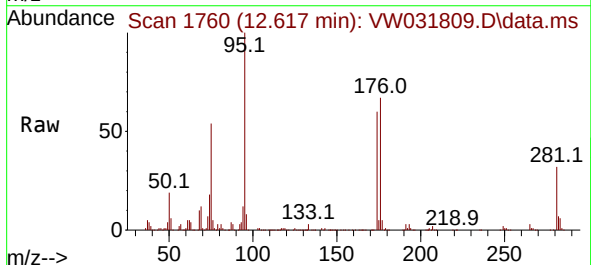
Instrument :
MSVOA_W
ClientSampleId :
TP-41

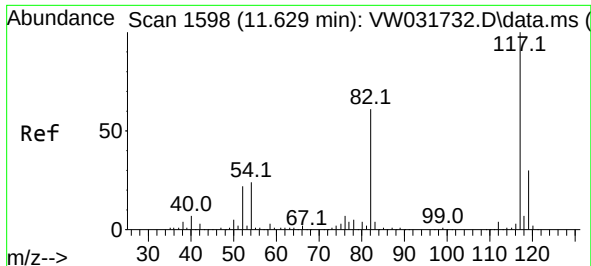
Tgt Ion: 98 Resp: 422063
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 49.200 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

Tgt Ion: 95 Resp: 166288
Ion Ratio Lower Upper
95 100
174 63.6 0.0 133.8
176 63.2 0.0 126.0

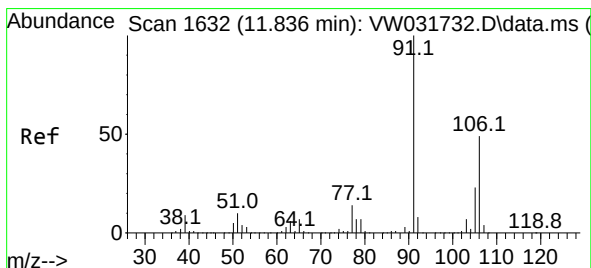
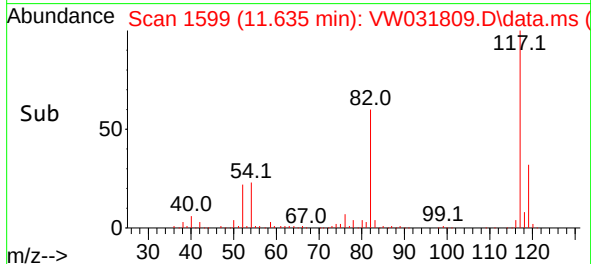
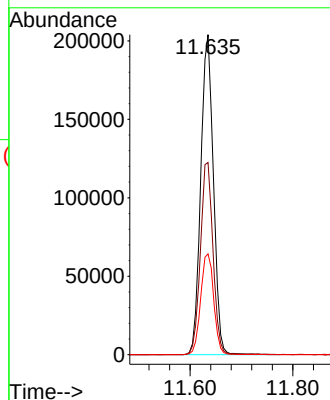
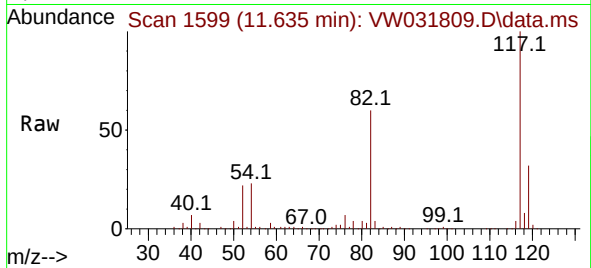




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

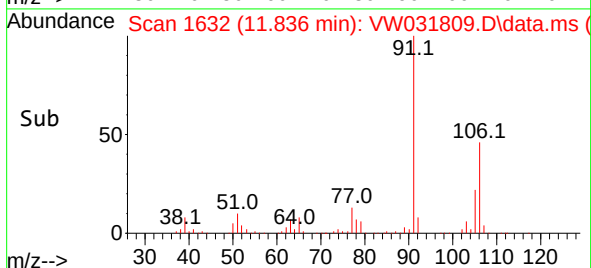
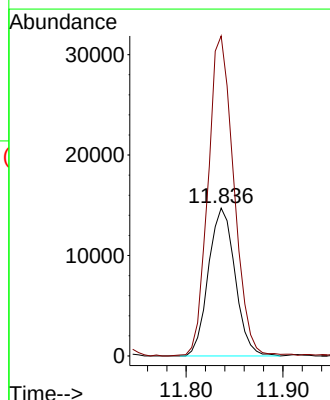
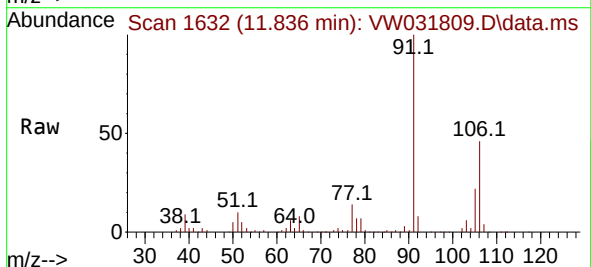
Instrument :
MSVOA_W
ClientSampleId :
TP-41

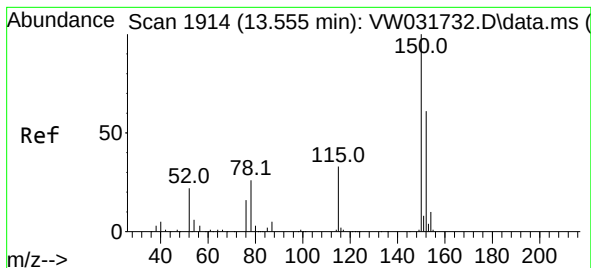
Tgt Ion:117 Resp: 348050
Ion Ratio Lower Upper
117 100
82 60.0 48.6 72.8
119 31.5 23.9 35.9



#68
m/p-Xylenes
Concen: 5.491 ug/l
RT: 11.836 min Scan# 1632
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

Tgt Ion:106 Resp: 28107
Ion Ratio Lower Upper
106 100
91 210.3 166.4 249.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.555 min Scan# 1914

Delta R.T. -0.000 min

Lab File: VW031809.D

Acq: 10 Jul 2025 17:26

Instrument :

MSVOA_W

ClientSampleId :

TP-41

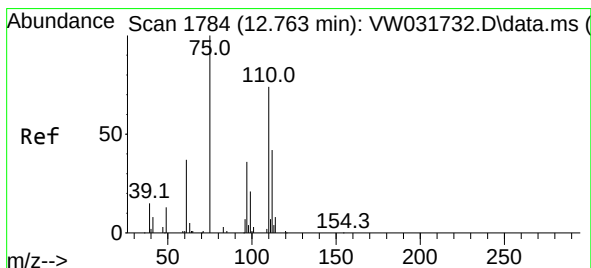
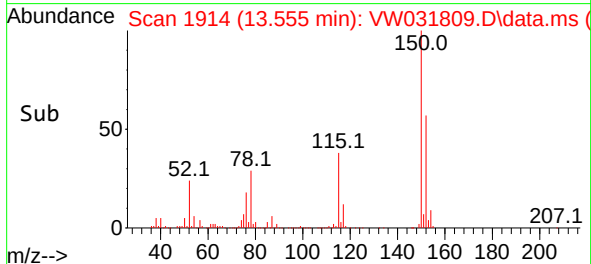
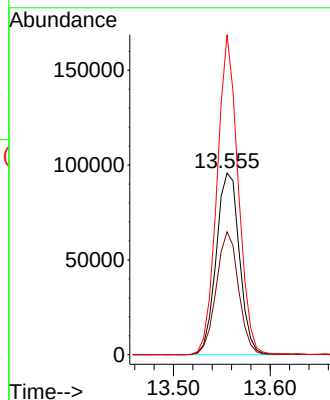
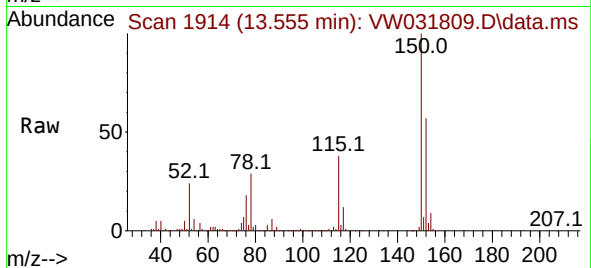
Tgt Ion:152 Resp: 159478

Ion Ratio Lower Upper

152 100

115 65.4 31.9 95.7

150 160.6 0.0 356.4



#76

1,2,3-Trichloropropane

Concen: 42.892 ug/l

RT: 12.617 min Scan# 1760

Delta R.T. -0.146 min

Lab File: VW031809.D

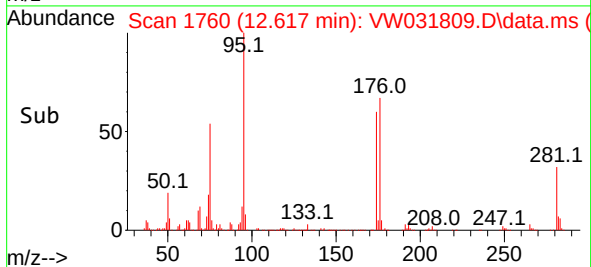
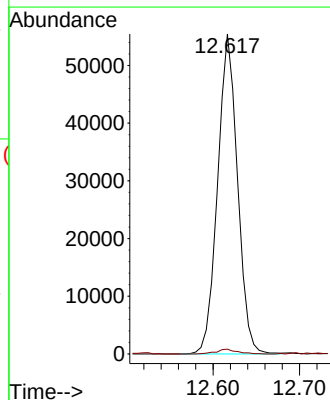
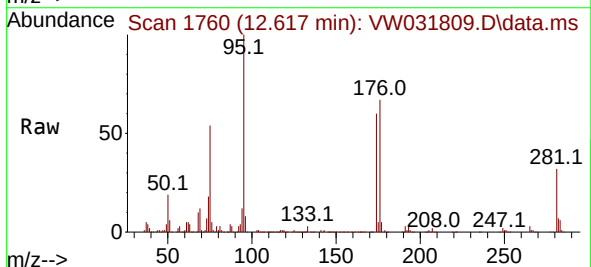
Acq: 10 Jul 2025 17:26

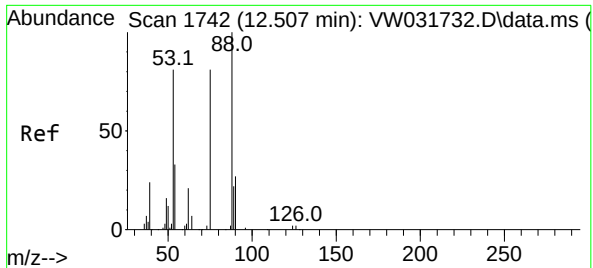
Tgt Ion: 75 Resp: 88396

Ion Ratio Lower Upper

75 100

77 1.6 141.2 423.6#





#81
trans-1,4-Dichloro-2-butene
Concen: 99.902 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.110 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

Instrument :
MSVOA_W
ClientSampleId :
TP-41

Tgt Ion: 75 Resp: 88396
Ion Ratio Lower Upper
75 100
53 0.1 83.5 125.3#
89 0.0 38.3 57.5#

