

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)

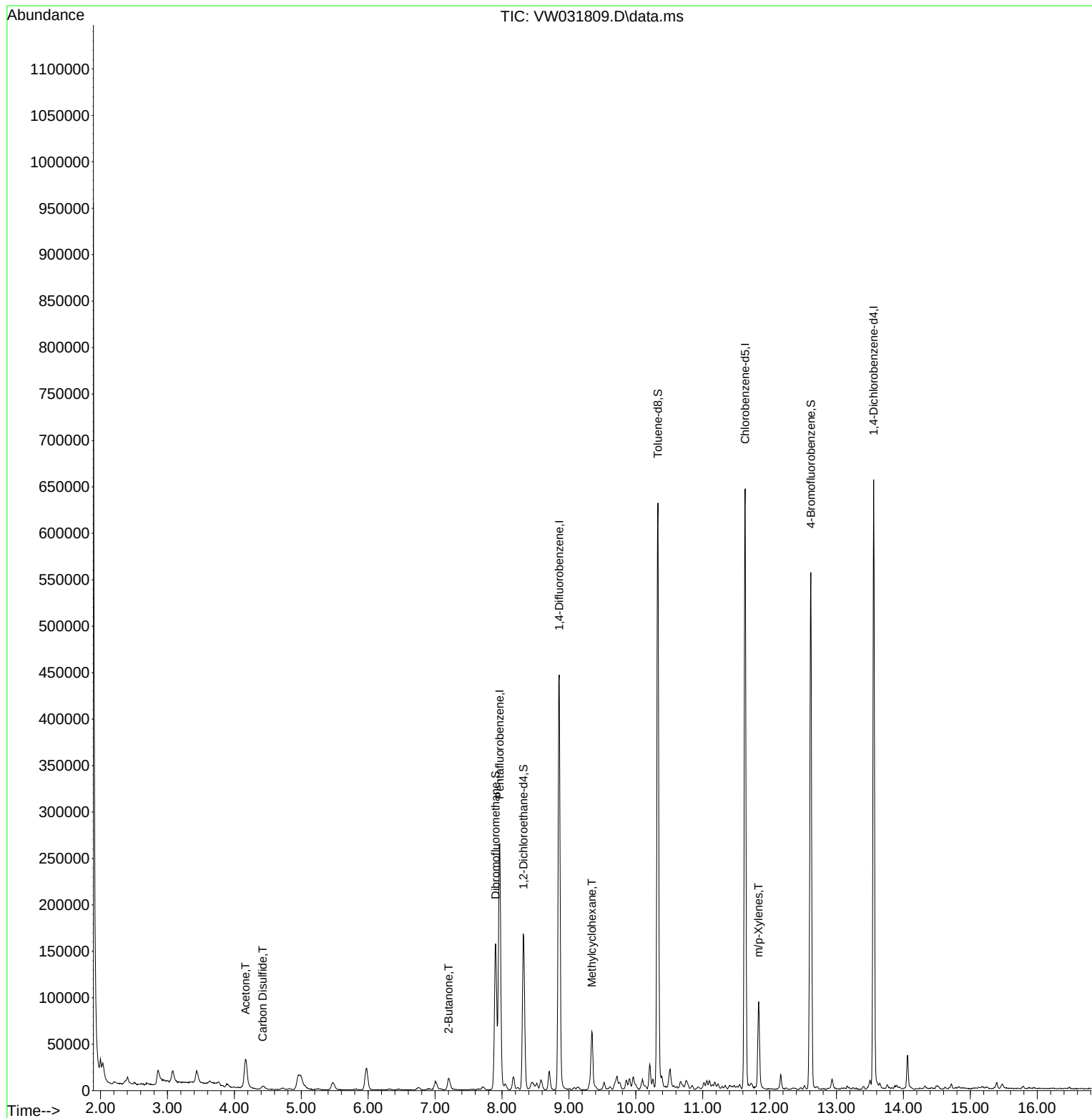
Internal Standards						
1) Pentafluorobenzene	7.965	168	171010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	378208	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.635	117	348050	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.555	152	159478	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
16) Acetone	4.167	43	61563	101.489	ug/l	96
17) Carbon Disulfide	4.423	76	8045	1.475	ug/l #	95
25) 2-Butanone	7.203	43	22800	28.891	ug/l	94
39) Methylcyclohexane	9.343	83	25351	5.705	ug/l	97
68) m/p-Xylenes	11.836	106	28107	5.491	ug/l	99

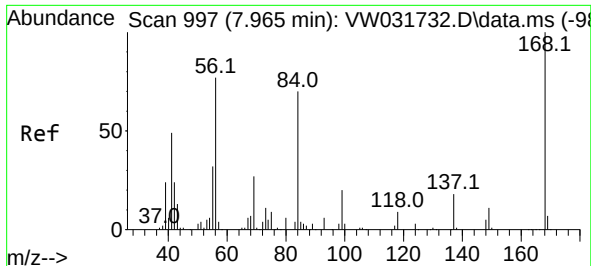
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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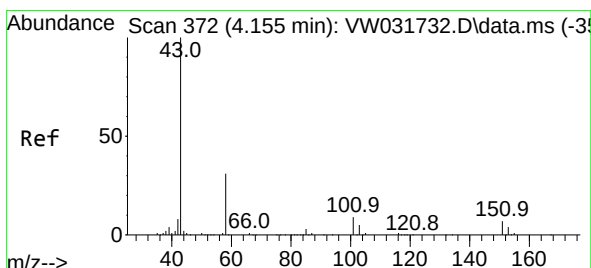
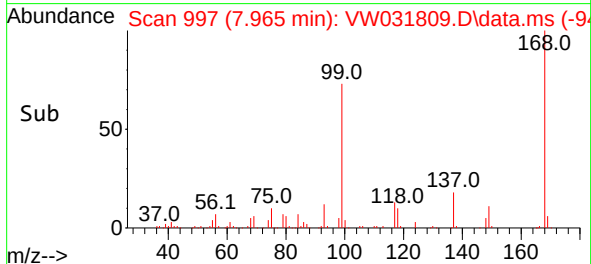
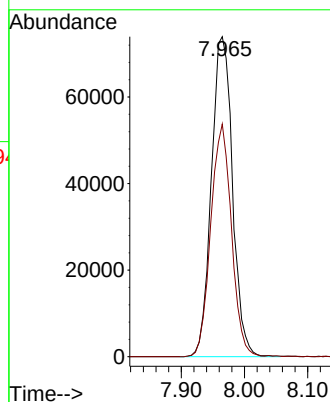
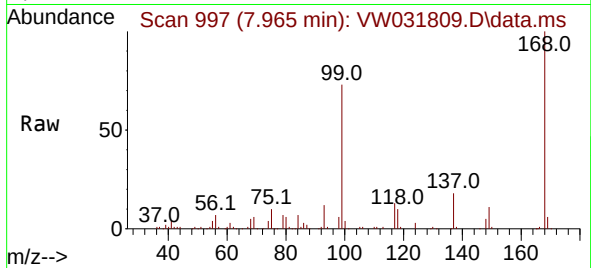




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 997
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

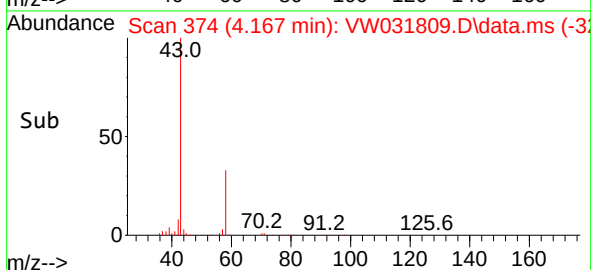
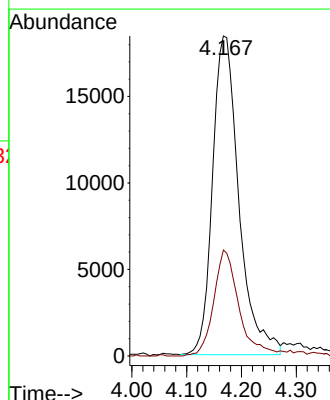
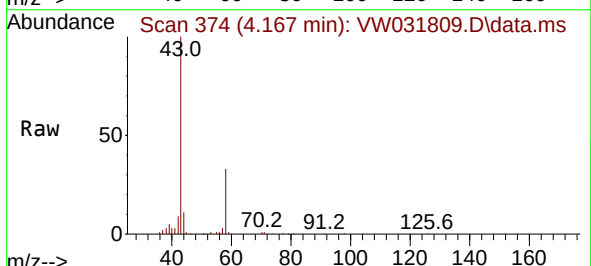
Instrument :
MSVOA_W
ClientSampleId :
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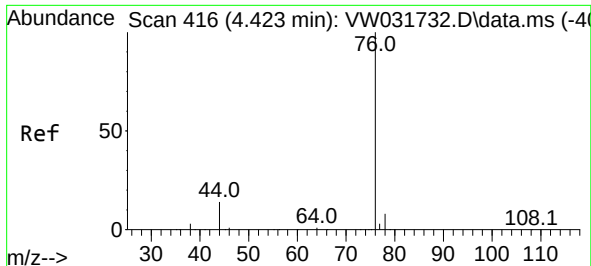
Tgt Ion:168 Resp: 171010
Ion Ratio Lower Upper
168 100
99 72.7 49.4 74.2



#16
Acetone
Concen: 101.489 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.012 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

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

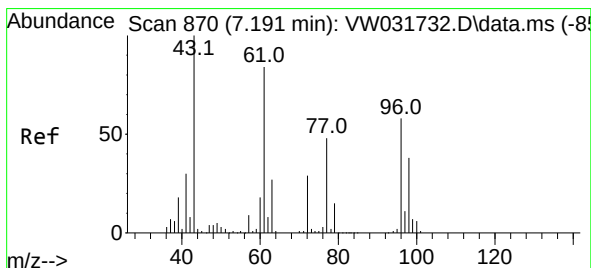
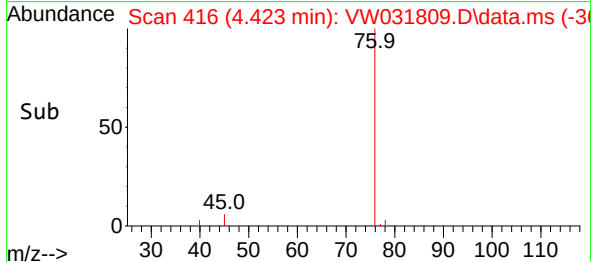
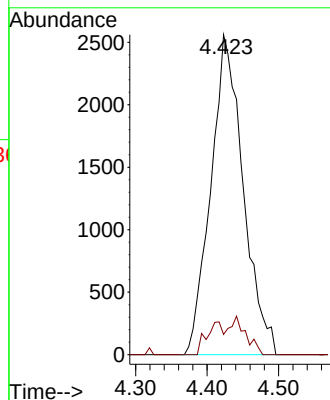
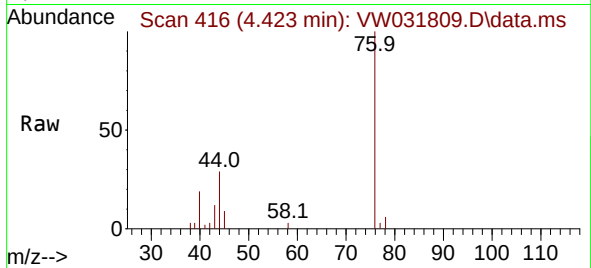




#17
Carbon Disulfide
Concen: 1.475 ug/l
RT: 4.423 min Scan# 416
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

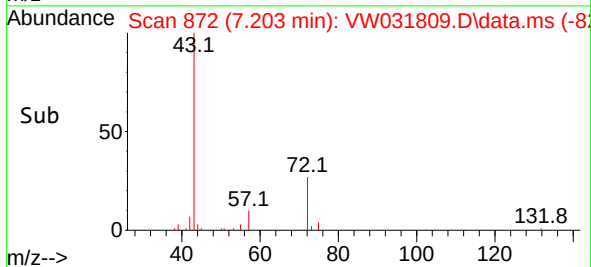
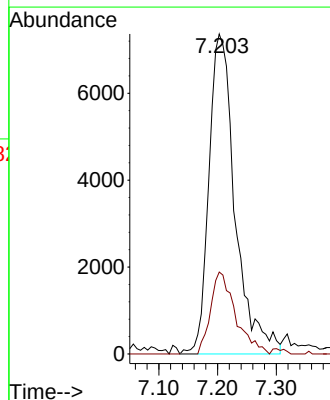
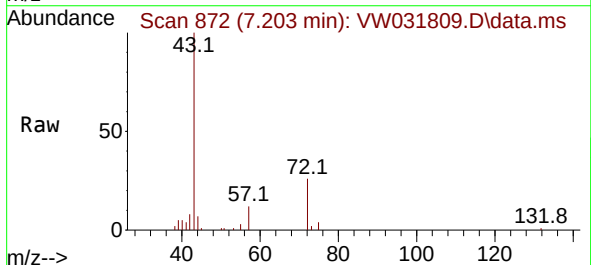
Instrument :
MSVOA_W
ClientSampleId :
TP-41

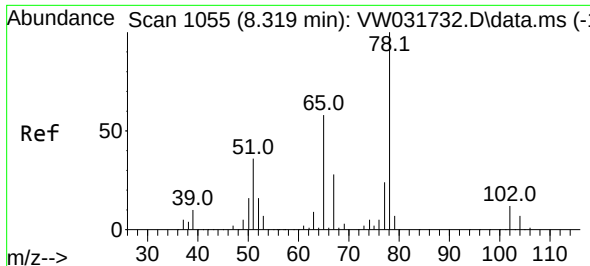
Tgt Ion: 76 Resp: 8045
Ion Ratio Lower Upper
76 100
78 6.4 6.6 10.0#



#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

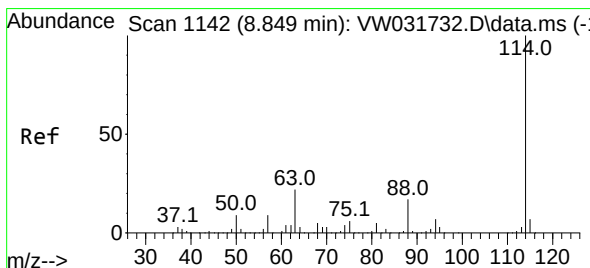
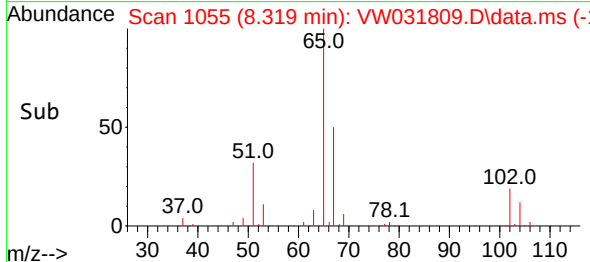
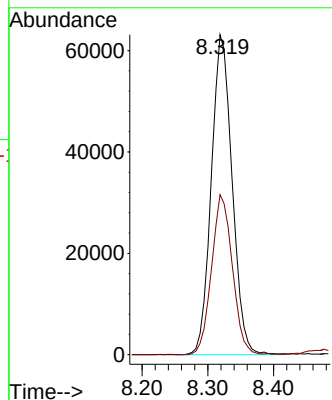
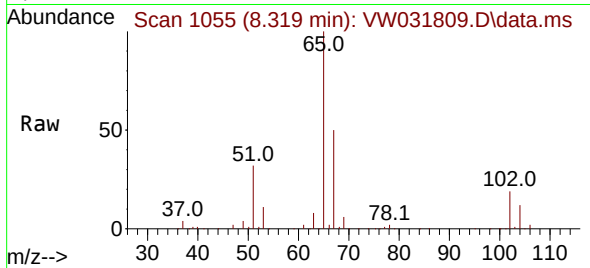




#33
 1,2-Dichloroethane-d4
 Concen: 56.735 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW031809.D
 Acq: 10 Jul 2025 17:26

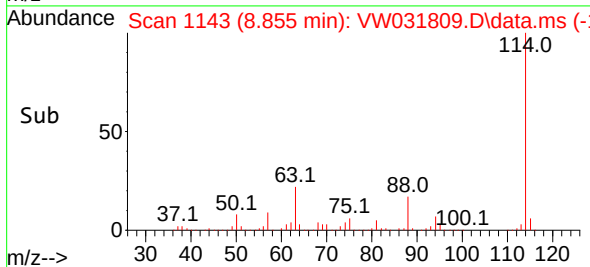
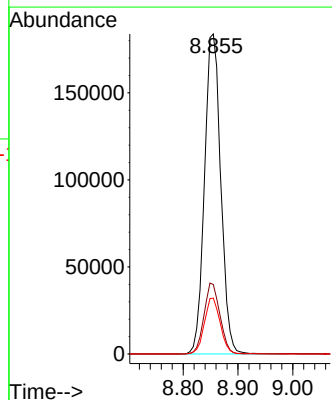
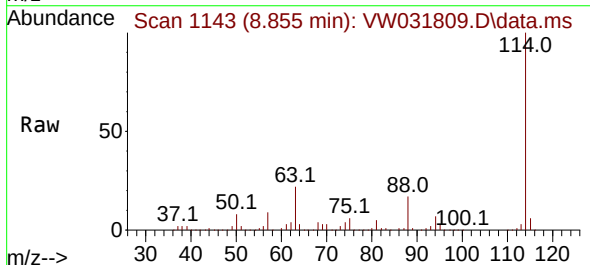
Instrument :
 MSVOA_W
 ClientSampleId :
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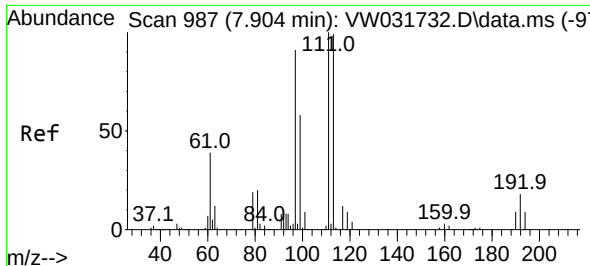
Tgt Ion: 65 Resp: 139239
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 99.4



#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

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

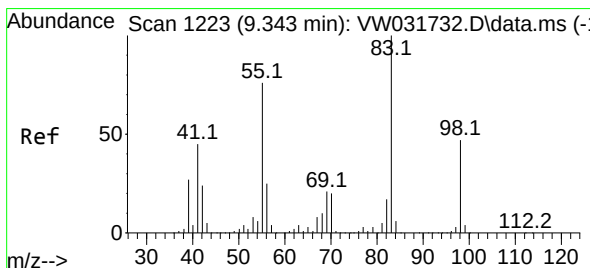
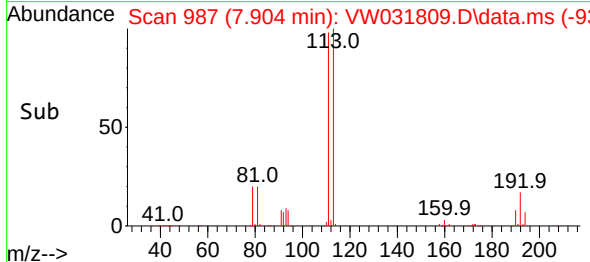
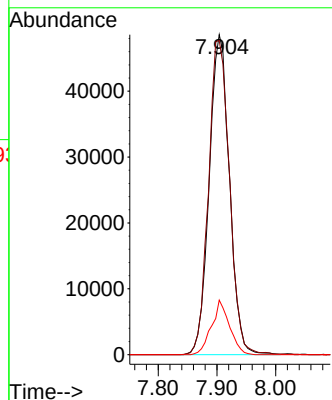
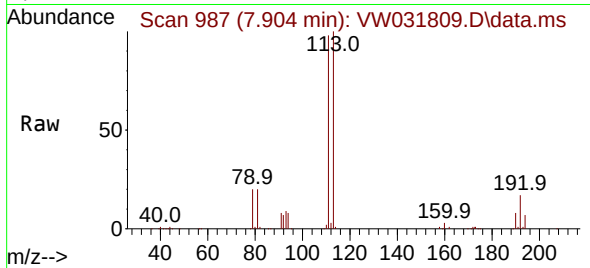




#35
Dibromofluoromethane
Concen: 47.157 ug/l
RT: 7.904 min Scan# 91
Delta R.T. -0.000 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

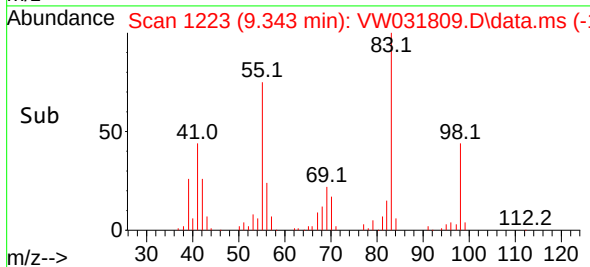
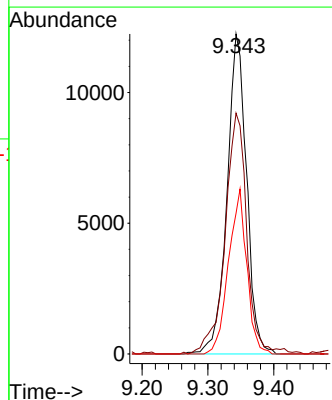
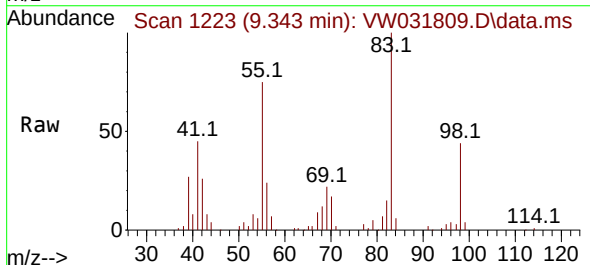
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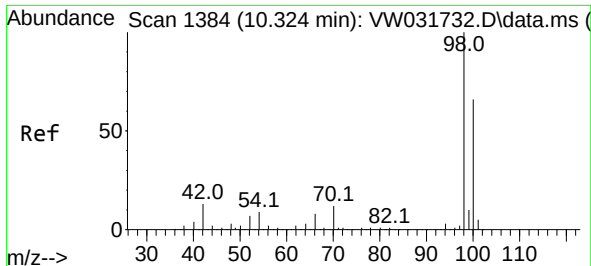
Tgt Ion:113 Resp: 116383
Ion Ratio Lower Upper
113 100
111 102.0 82.1 123.1
192 15.1 13.8 20.6



#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

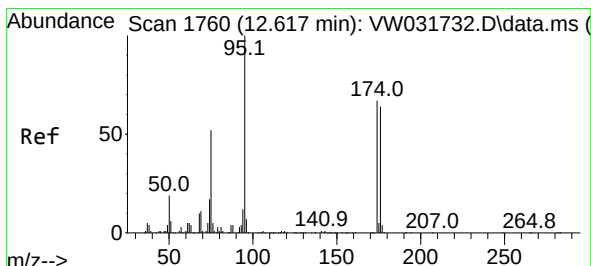
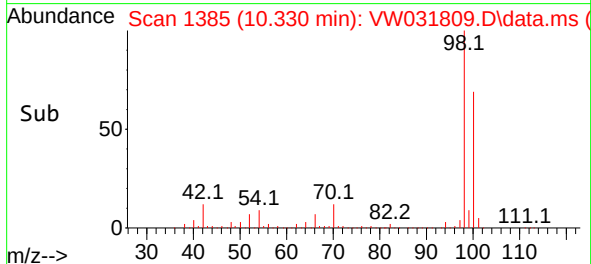
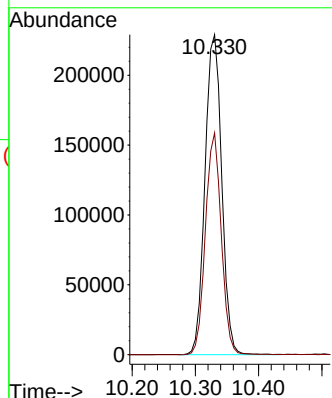
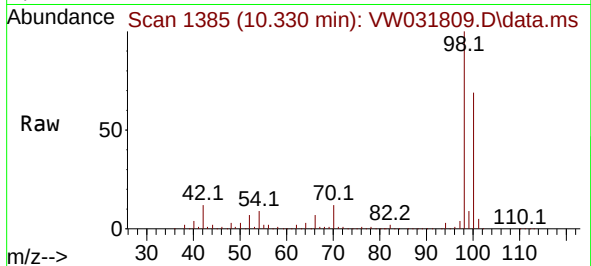




#50
Toluene-d8
Concen: 45.955 ug/l
RT: 10.330 min Scan# 11
Delta R.T. 0.006 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

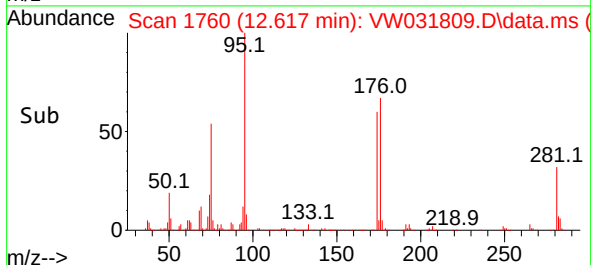
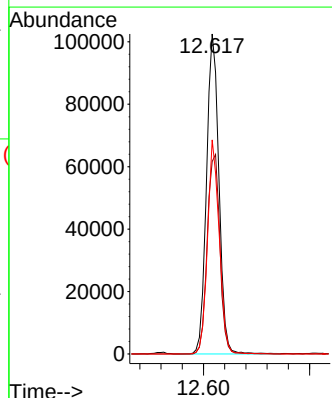
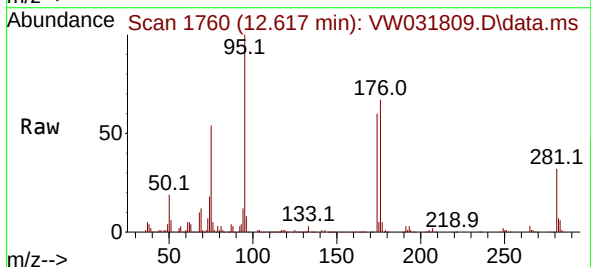
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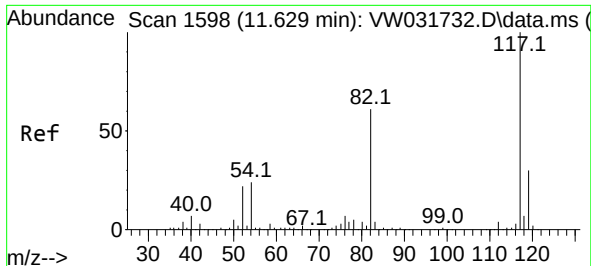
Tgt Ion: 98 Resp: 422063
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4



#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

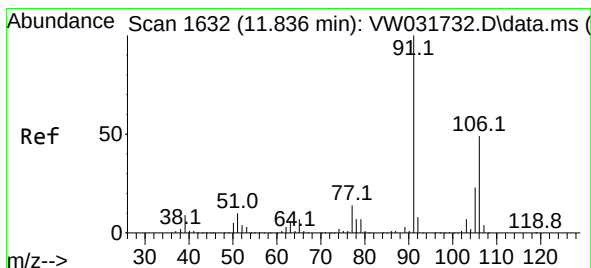
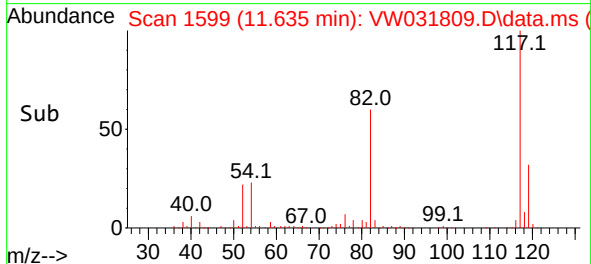
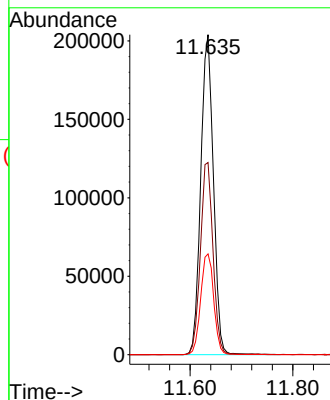
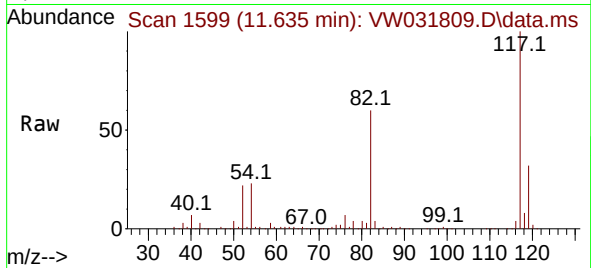




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.635 min Scan# 117
Delta R.T. 0.006 min
Lab File: VW031809.D
Acq: 10 Jul 2025 17:26

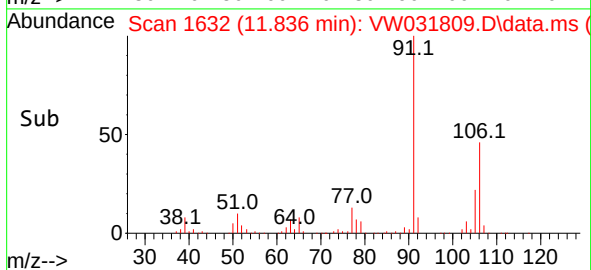
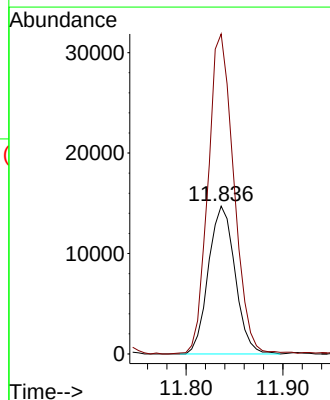
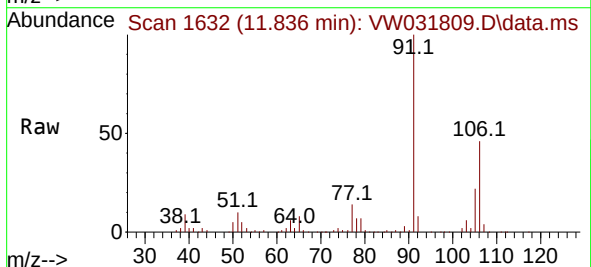
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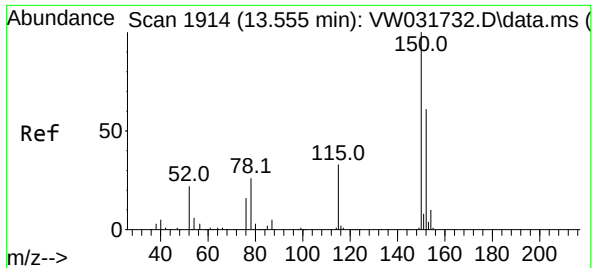
Tgt Ion:117 Resp: 348050
Ion Ratio Lower Upper
117 100
82 60.0 48.6 72.8
119 31.5 23.9 35.9



#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 :
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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

