

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032481.D
 Acq On : 18 Nov 2025 15:08
 Operator : SY/MD
 Sample : Q3649-02
 Misc : 5.58g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 B5-0.5-1.0-20251114

Quant Time: Nov 19 00:28:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W111025S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 11 03:48:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

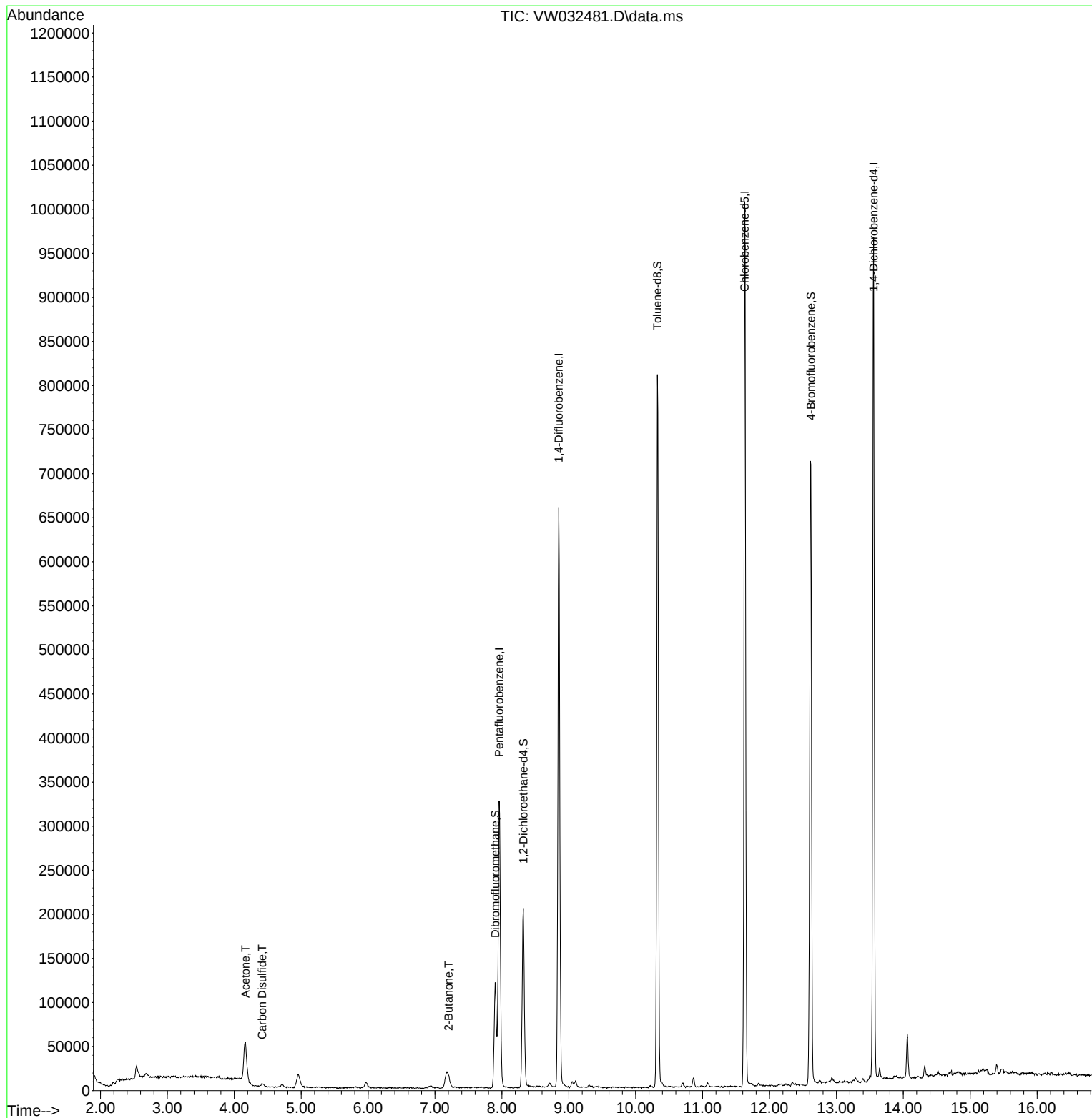
Internal Standards						
1) Pentafluorobenzene	7.959	168	233542	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	544119	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	564941	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	233242	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	160463	53.294	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	106.580%	
35) Dibromofluoromethane	7.898	113	87563	26.878	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	53.760%#	
50) Toluene-d8	10.325	98	536861	42.956	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	85.920%	
62) 4-Bromofluorobenzene	12.617	95	242719	51.410	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	102.820%	
Target Compounds						
						Qvalue
16) Acetone	4.167	43	83053	92.200	ug/l	100
17) Carbon Disulfide	4.417	76	7624	1.028	ug/l	99
25) 2-Butanone	7.203	43	18676	14.073	ug/l	99

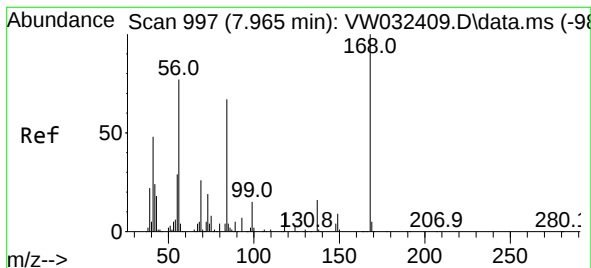
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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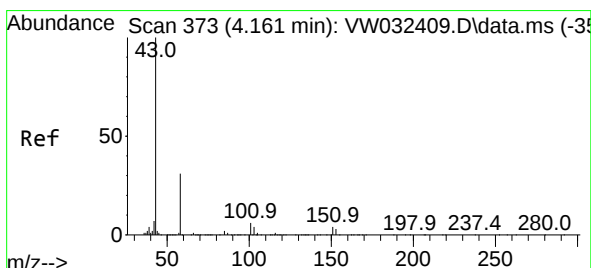
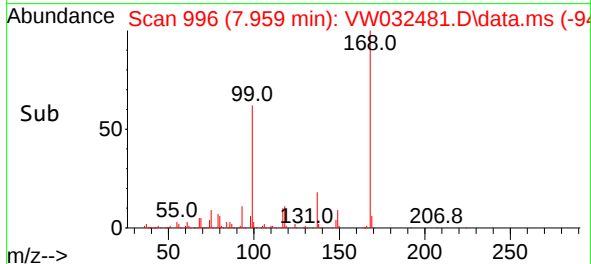
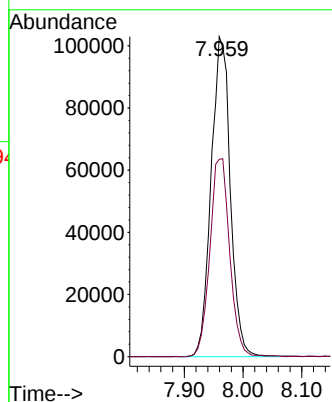
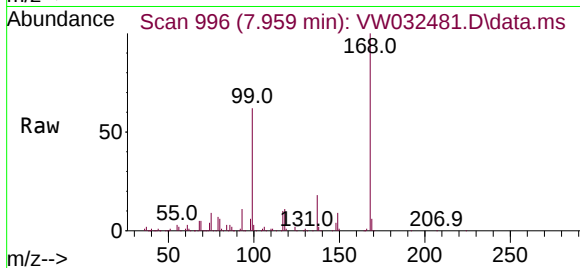




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

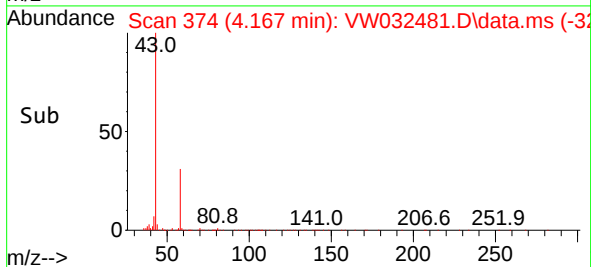
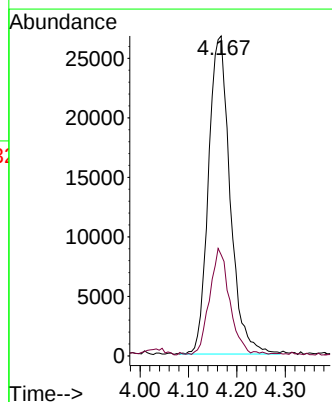
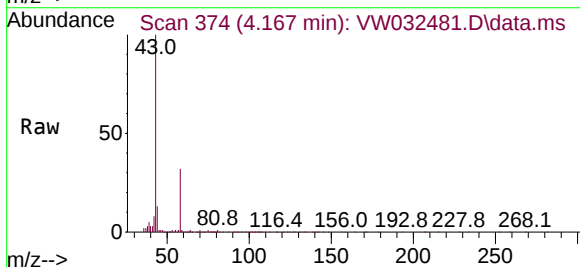
Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

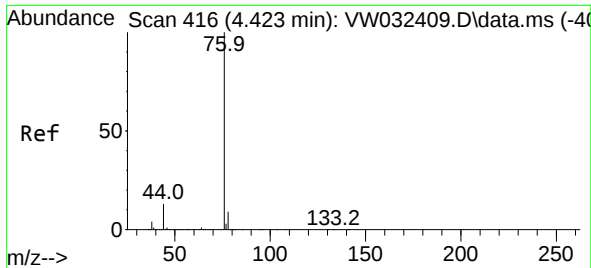
Tgt Ion:168 Resp: 233542
Ion Ratio Lower Upper
168 100
99 61.7 45.4 68.2



#16
Acetone
Concen: 92.200 ug/l
RT: 4.167 min Scan# 374
Delta R.T. 0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion: 43 Resp: 83053
Ion Ratio Lower Upper
43 100
58 31.0 24.8 37.2

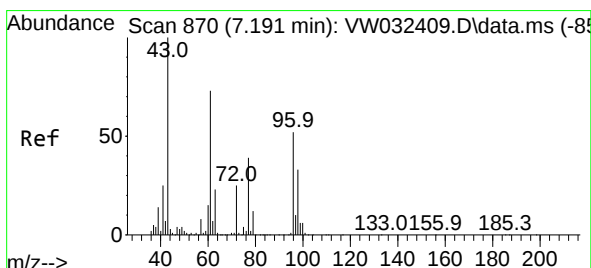
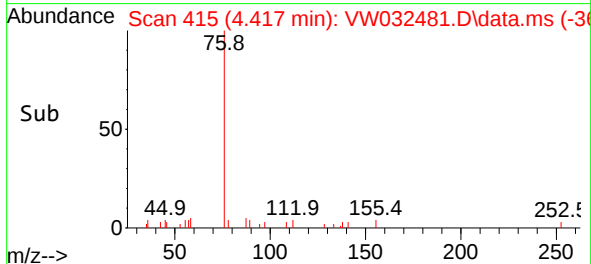
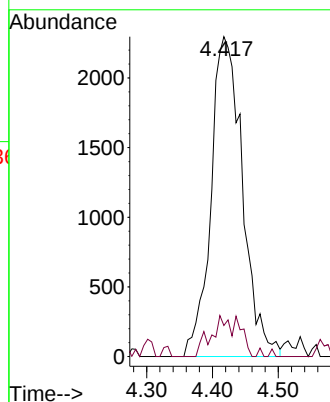
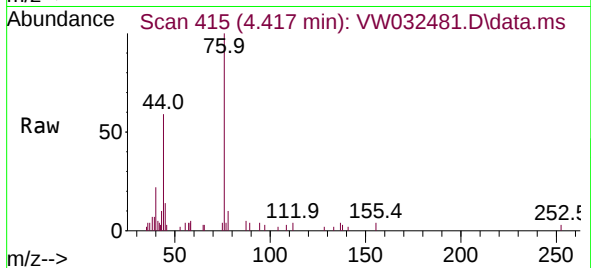




#17
Carbon Disulfide
Concen: 1.028 ug/l
RT: 4.417 min Scan# 415
Delta R.T. -0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

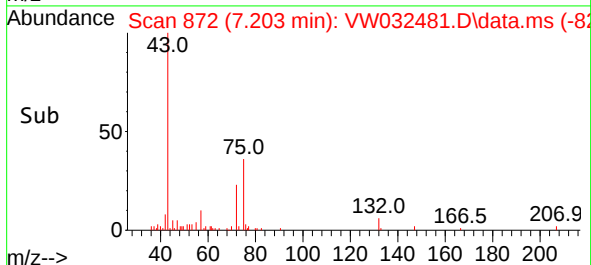
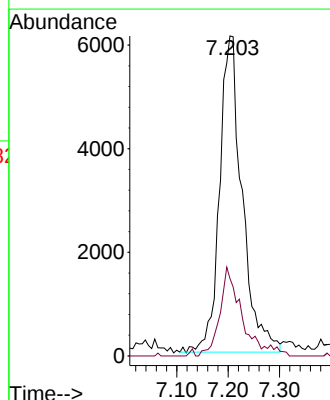
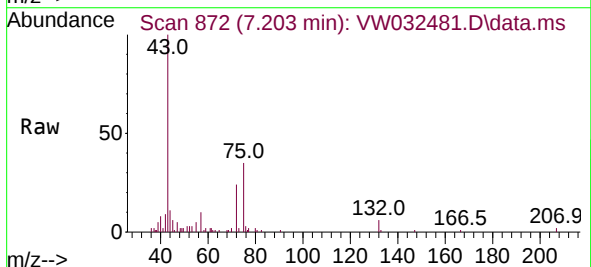
Instrument :
MSVOA_W
ClientSampleId :
B5-0.5-1.0-20251114

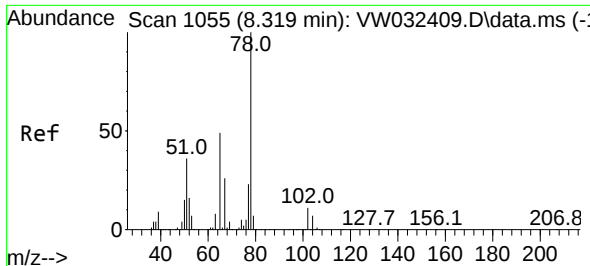
Tgt Ion: 76 Resp: 7624
Ion Ratio Lower Upper
76 100
78 9.7 7.6 11.4



#25
2-Butanone
Concen: 14.073 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion: 43 Resp: 18676
Ion Ratio Lower Upper
43 100
72 24.4 20.0 30.0

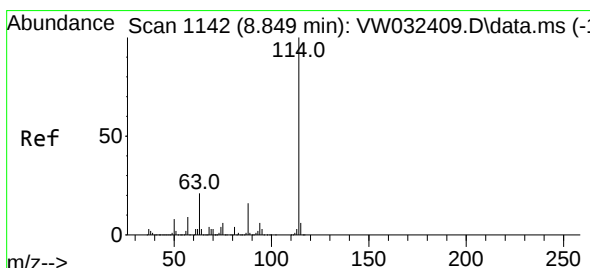
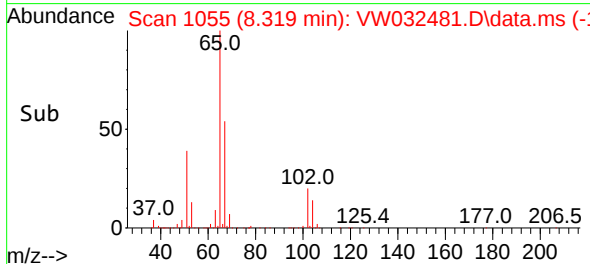
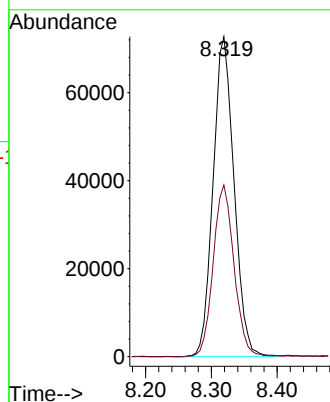
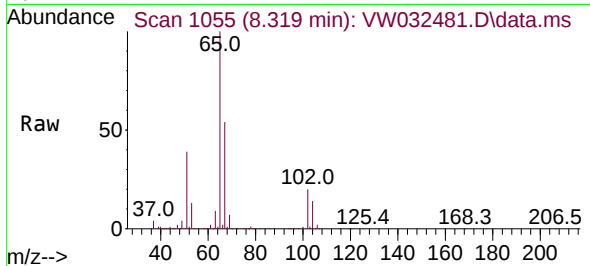




#33
 1,2-Dichloroethane-d4
 Concen: 53.294 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032481.D
 Acq: 18 Nov 2025 15:08

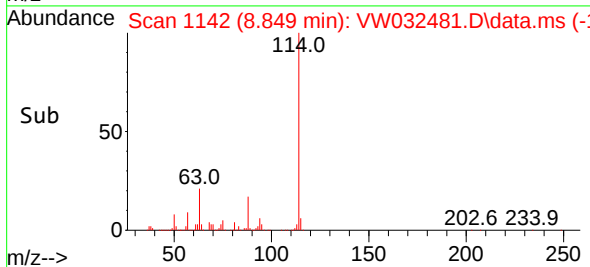
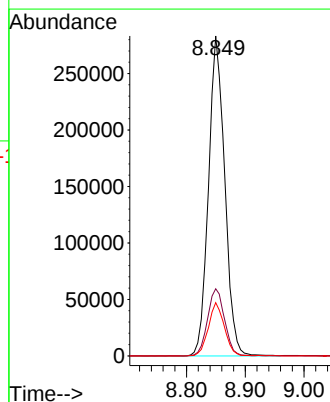
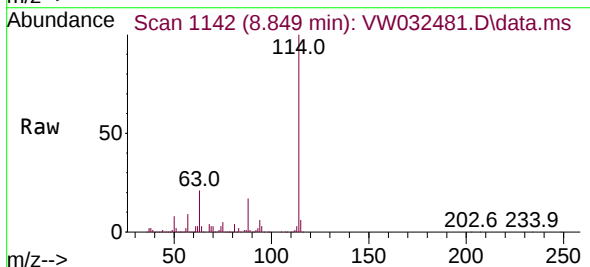
Instrument :
 MSVOA_W
 ClientSampleId :
 B5-0.5-1.0-20251114

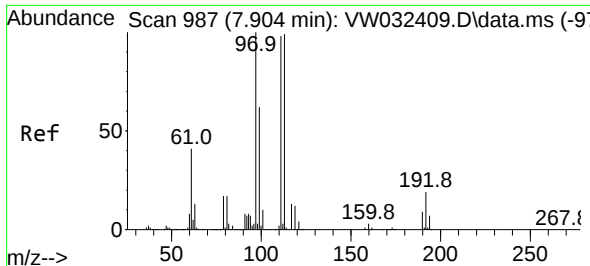
Tgt Ion: 65 Resp: 160463
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032481.D
 Acq: 18 Nov 2025 15:08

Tgt Ion: 114 Resp: 544119
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 41.8
 88 16.6 0.0 32.6

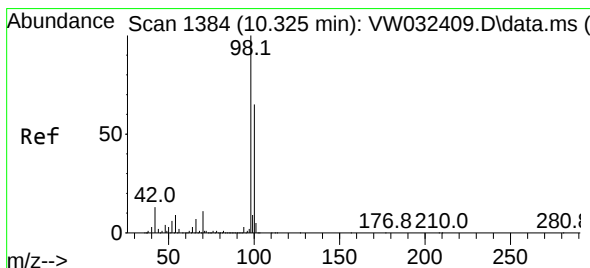
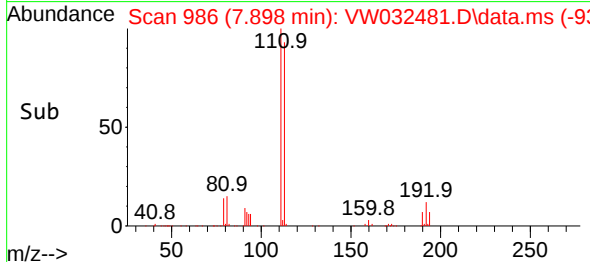
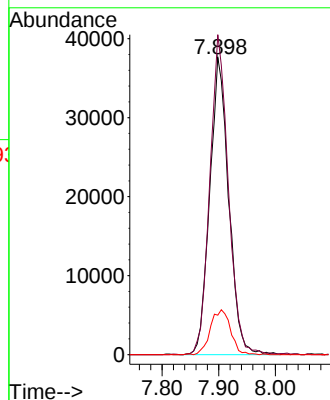
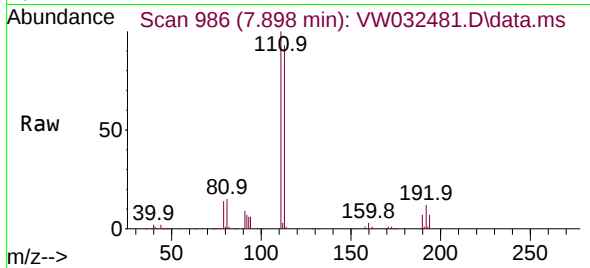




#35
Dibromofluoromethane
Concen: 26.878 ug/l
RT: 7.898 min Scan# 986
Delta R.T. -0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

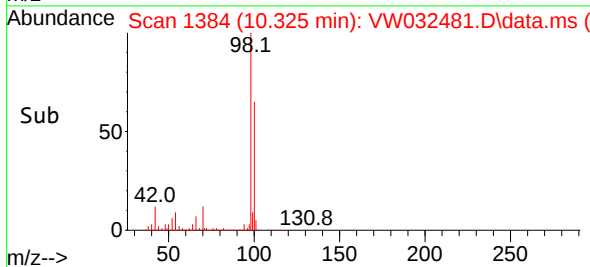
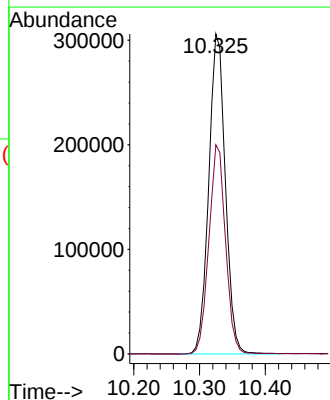
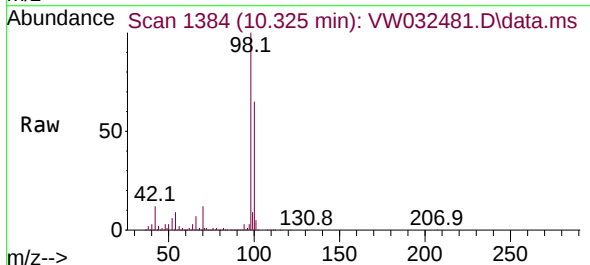
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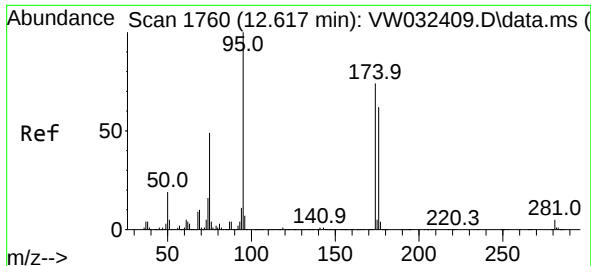
Tgt Ion:113 Resp: 87563
Ion Ratio Lower Upper
113 100
111 105.1 83.1 124.7
192 16.0 13.4 20.2



#50
Toluene-d8
Concen: 42.956 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

Tgt Ion: 98 Resp: 536861
Ion Ratio Lower Upper
98 100
100 65.5 53.3 79.9

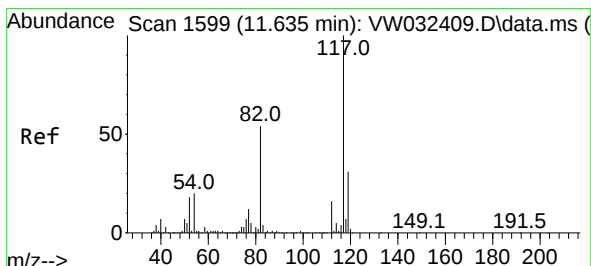
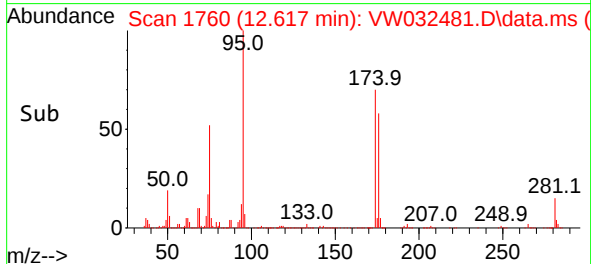
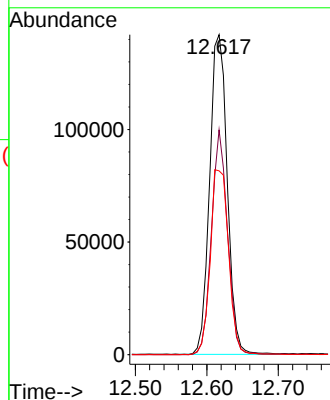
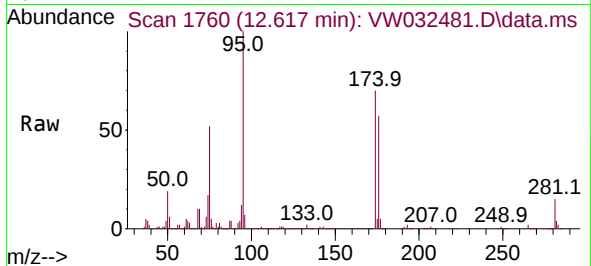




#62
4-Bromofluorobenzene
Concen: 51.410 ug/l
RT: 12.617 min Scan# 1760
Delta R.T. 0.000 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

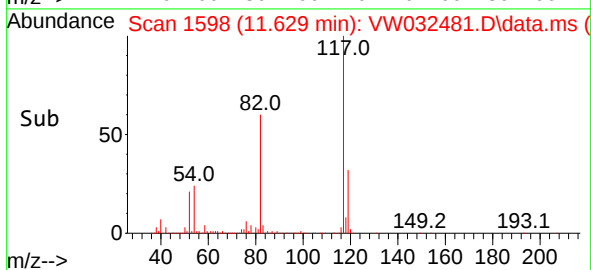
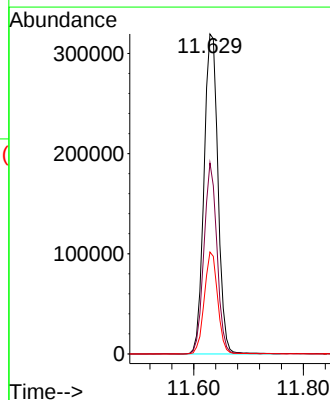
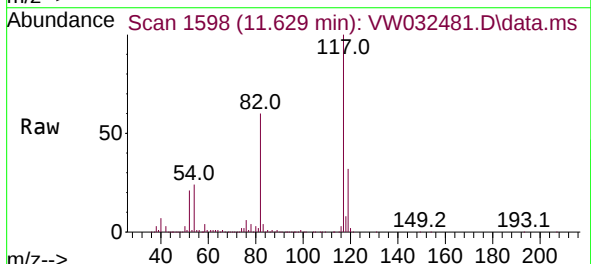
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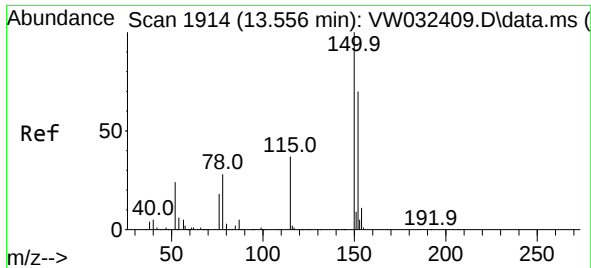
Tgt Ion:	95	Resp:	242719
Ion	Ratio	Lower	Upper
95	100		
174	64.2	0.0	135.4
176	60.1	0.0	131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032481.D
Acq: 18 Nov 2025 15:08

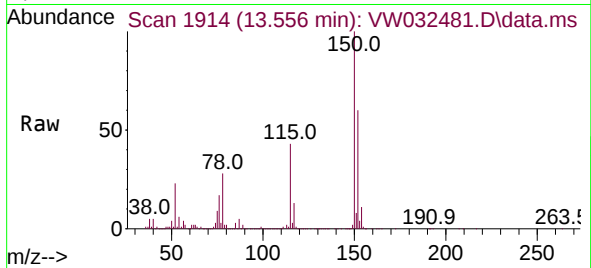
Tgt Ion:	117	Resp:	564941
Ion	Ratio	Lower	Upper
117	100		
82	59.7	43.0	64.4
119	31.8	25.0	37.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. 0.000 min
 Lab File: VW032481.D
 Acq: 18 Nov 2025 15:08

Instrument :
 MSVOA_W
 ClientSampleId :
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Tgt Ion:	152	Resp:	233242
Ion Ratio	Lower	Upper	
152	100		
115	69.1	32.8	98.3
150	167.2	0.0	356.6

