

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW111825\
 Data File : VW032482.D
 Acq On : 18 Nov 2025 15:30
 Operator : SY/MD
 Sample : Q3649-04
 Misc : 6.06g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

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

Quant Time: Nov 19 00:28:58 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)

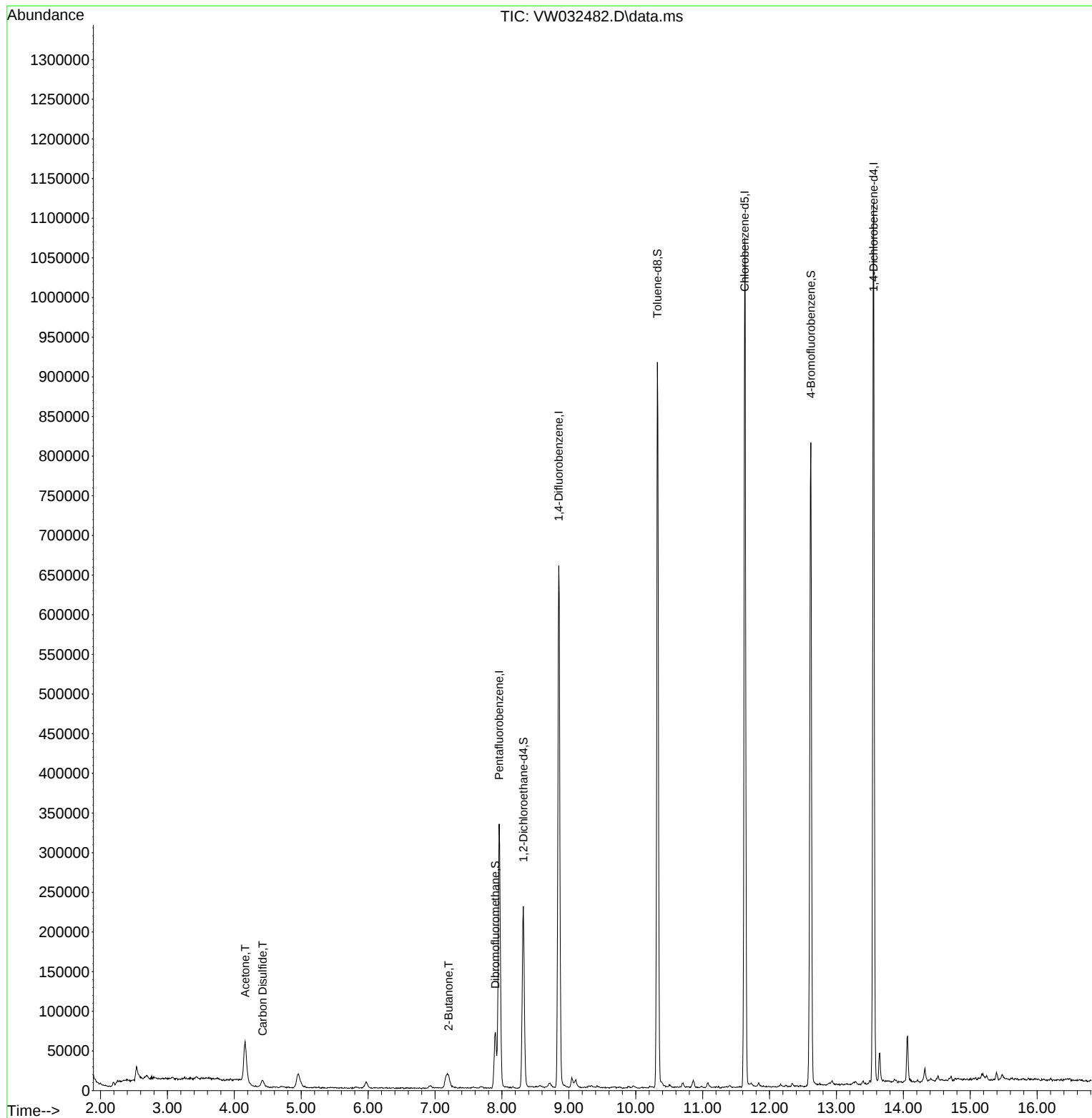
Internal Standards						
1) Pentafluorobenzene	7.959	168	231495	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.849	114	566274	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	606488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	290144	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	179818	60.250	ug/l	0.00
Spiked Amount	50.000	Range 63 - 155	Recovery	=	120.500%	
35) Dibromofluoromethane	7.898	113	54114	15.961	ug/l	0.00
Spiked Amount	50.000	Range 70 - 134	Recovery	=	31.920%#	
50) Toluene-d8	10.325	98	614723	47.262	ug/l	0.00
Spiked Amount	50.000	Range 74 - 123	Recovery	=	94.520%	
62) 4-Bromofluorobenzene	12.617	95	273656	55.695	ug/l	0.00
Spiked Amount	50.000	Range 17 - 146	Recovery	=	111.400%	
Target Compounds						
						Qvalue
16) Acetone	4.161	43	90898	101.801	ug/l	99
17) Carbon Disulfide	4.423	76	20360	2.768	ug/l	98
25) 2-Butanone	7.203	43	19693	14.970	ug/l	94

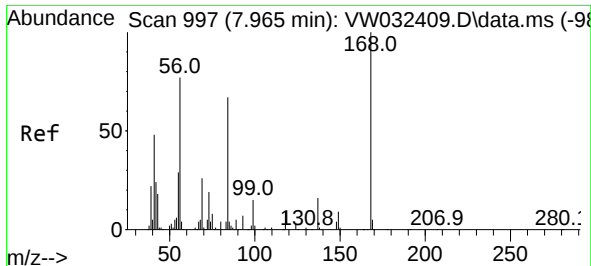
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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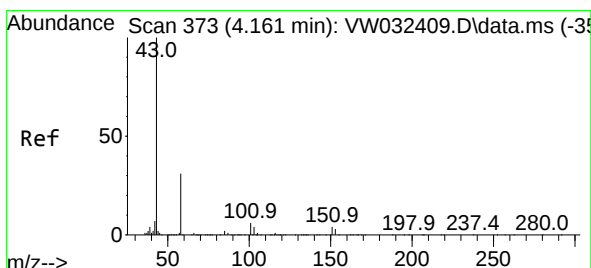
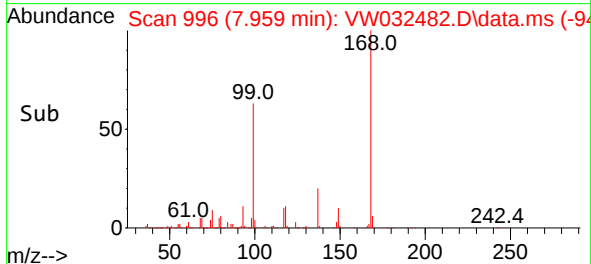
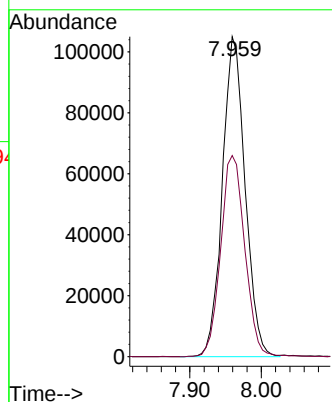
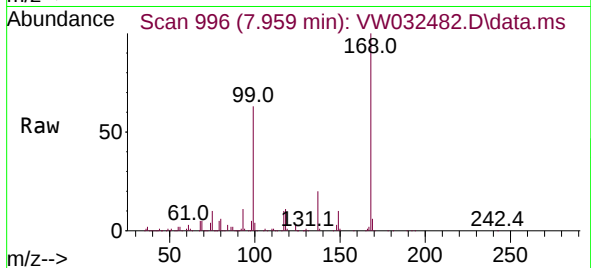




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.959 min Scan# 99
Delta R.T. -0.006 min
Lab File: VW032482.D
Acq: 18 Nov 2025 15:30

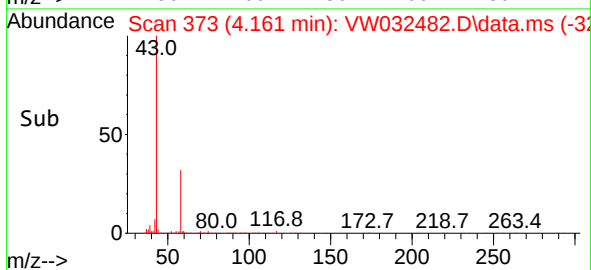
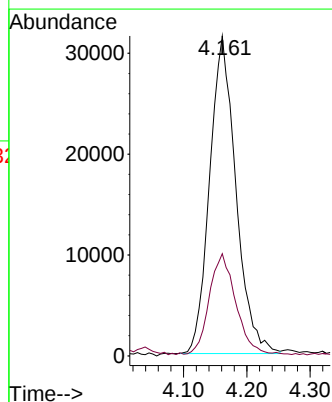
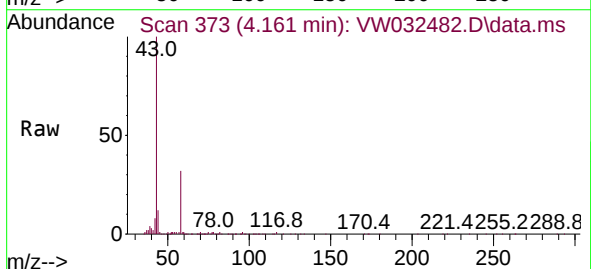
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

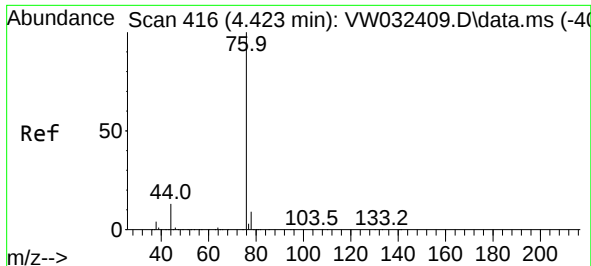
Tgt Ion:168 Resp: 231495
Ion Ratio Lower Upper
168 100
99 62.8 45.4 68.2



#16
Acetone
Concen: 101.801 ug/l
RT: 4.161 min Scan# 373
Delta R.T. 0.000 min
Lab File: VW032482.D
Acq: 18 Nov 2025 15:30

Tgt Ion: 43 Resp: 90898
Ion Ratio Lower Upper
43 100
58 31.4 24.8 37.2

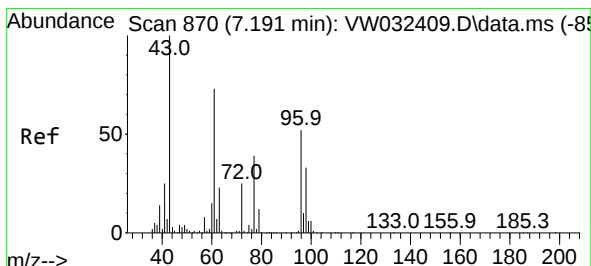
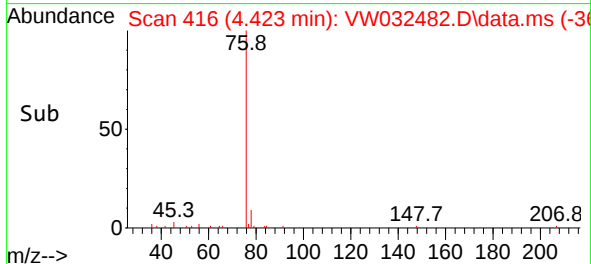
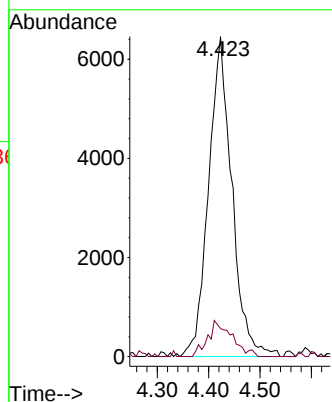
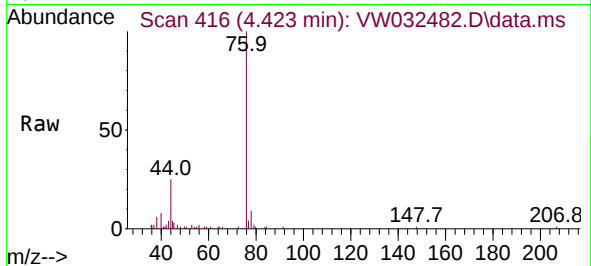




#17
Carbon Disulfide
Concen: 2.768 ug/l
RT: 4.423 min Scan# 416
Delta R.T. 0.000 min
Lab File: VW032482.D
Acq: 18 Nov 2025 15:30

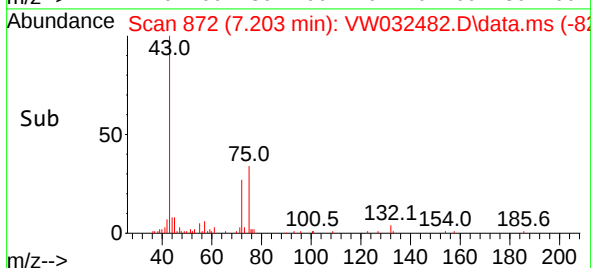
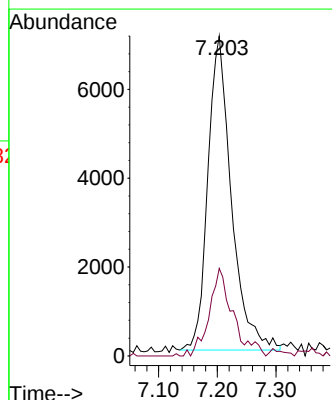
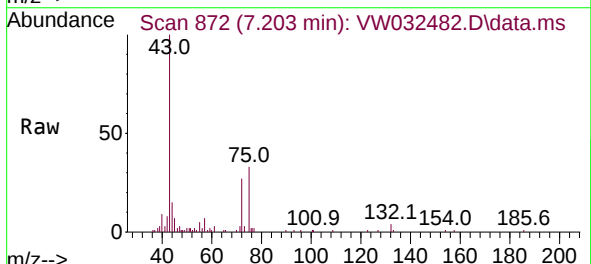
Instrument :
MSVOA_W
ClientSampleId :
DUPE-0.5-1.0-20251114

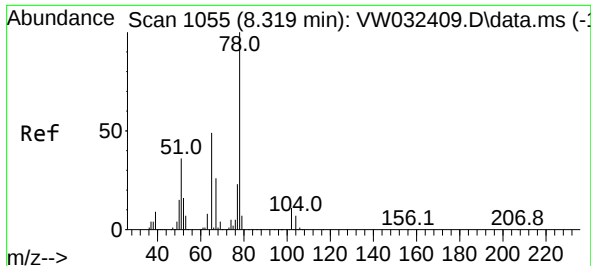
Tgt Ion: 76 Resp: 20360
Ion Ratio Lower Upper
76 100
78 8.8 7.6 11.4



#25
2-Butanone
Concen: 14.970 ug/l
RT: 7.203 min Scan# 872
Delta R.T. 0.012 min
Lab File: VW032482.D
Acq: 18 Nov 2025 15:30

Tgt Ion: 43 Resp: 19693
Ion Ratio Lower Upper
43 100
72 27.9 20.0 30.0

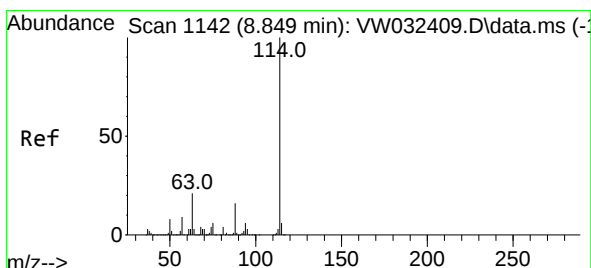
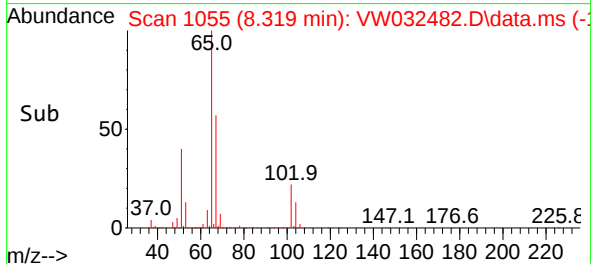
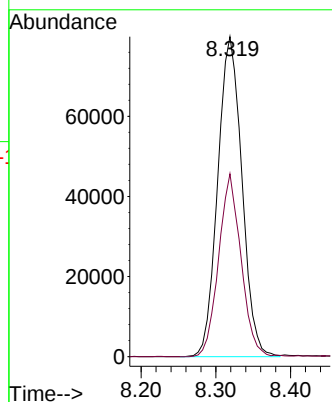
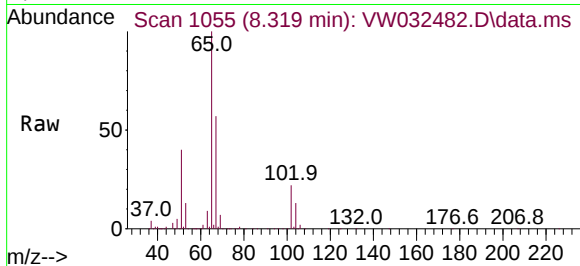




#33
 1,2-Dichloroethane-d4
 Concen: 60.250 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. 0.000 min
 Lab File: VW032482.D
 Acq: 18 Nov 2025 15:30

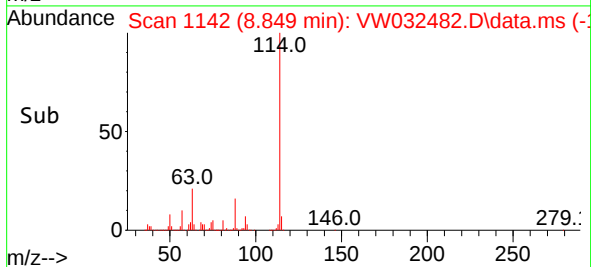
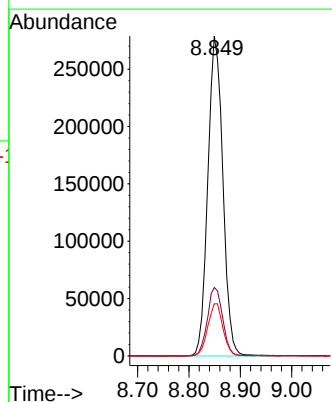
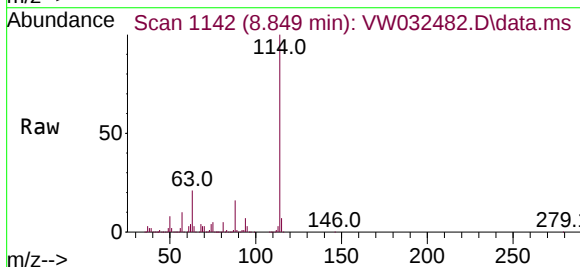
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 DUPE-0.5-1.0-20251114

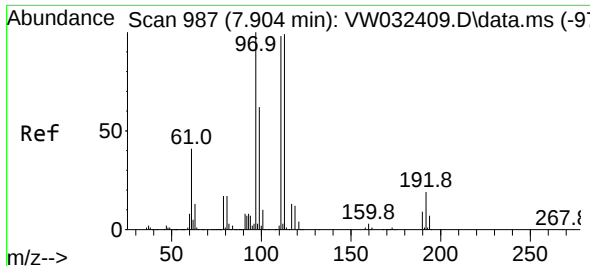
Tgt Ion: 65 Resp: 179818
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.849 min Scan# 1142
 Delta R.T. 0.000 min
 Lab File: VW032482.D
 Acq: 18 Nov 2025 15:30

Tgt Ion: 114 Resp: 566274
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 41.8
 88 16.3 0.0 32.6

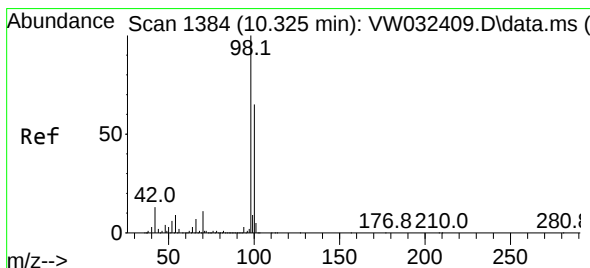
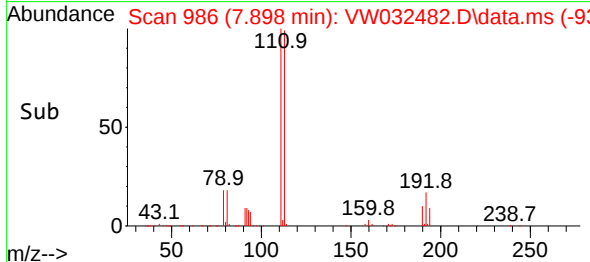
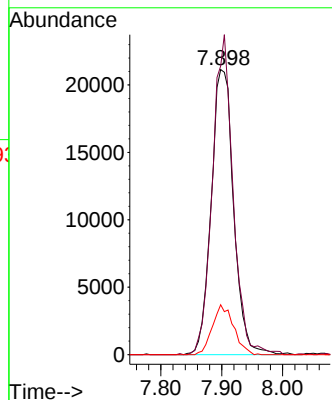
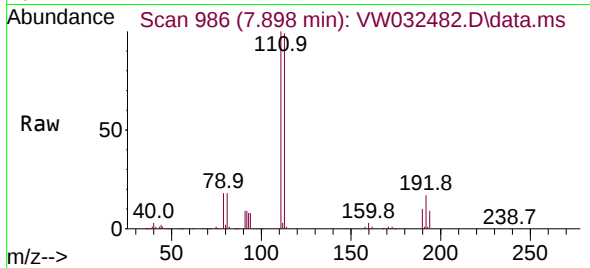




#35
Dibromofluoromethane
Concen: 15.961 ug/l
RT: 7.898 min Scan# 987
Delta R.T. -0.006 min
Lab File: VW032482.D
Acq: 18 Nov 2025 15:30

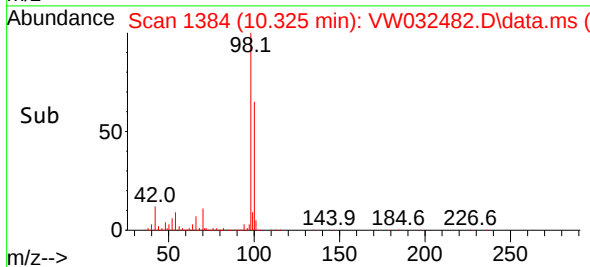
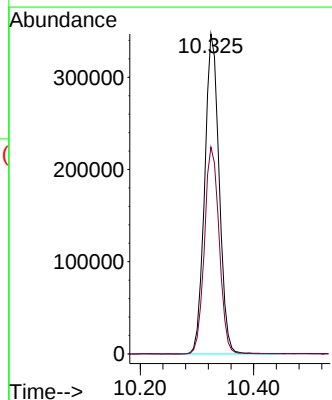
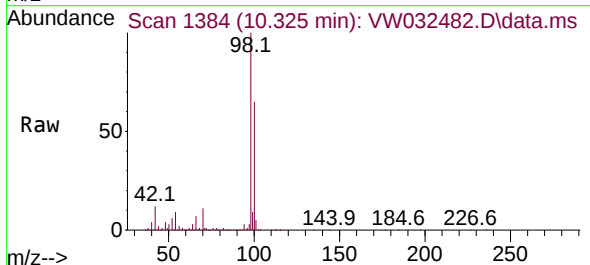
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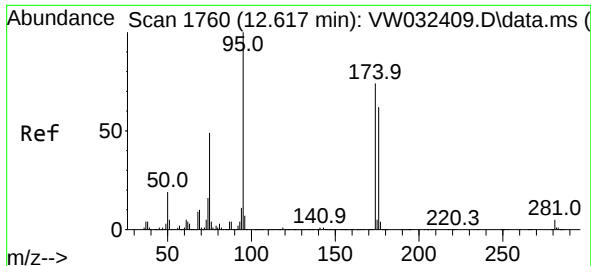
Tgt Ion:113 Resp: 54114
Ion Ratio Lower Upper
113 100
111 103.6 83.1 124.7
192 16.6 13.4 20.2



#50
Toluene-d8
Concen: 47.262 ug/l
RT: 10.325 min Scan# 1384
Delta R.T. 0.000 min
Lab File: VW032482.D
Acq: 18 Nov 2025 15:30

Tgt Ion: 98 Resp: 614723
Ion Ratio Lower Upper
98 100
100 65.7 53.3 79.9

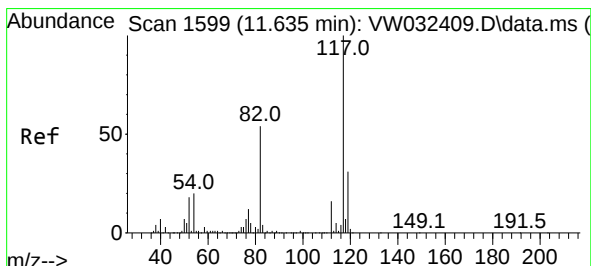
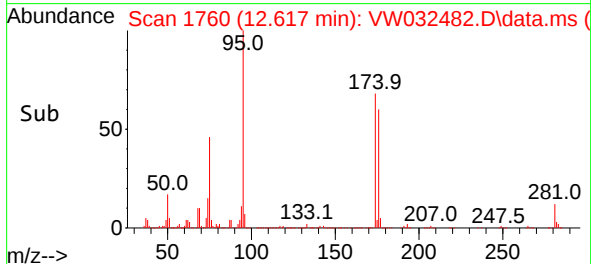
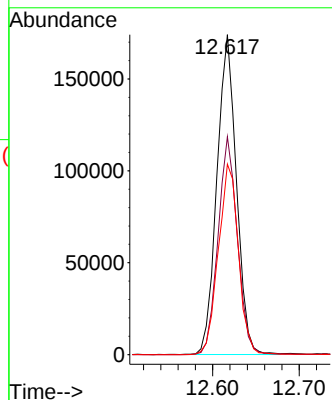
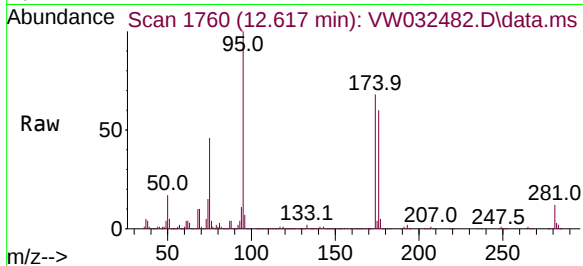




#62
4-Bromofluorobenzene
Concen: 55.695 ug/l
RT: 12.617 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW032482.D
Acq: 18 Nov 2025 15:30

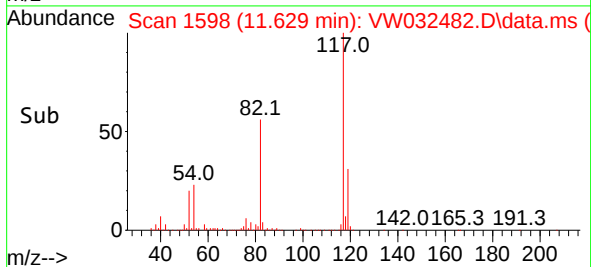
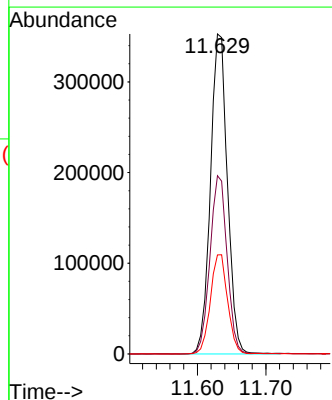
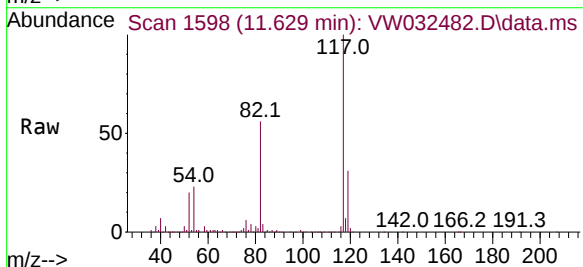
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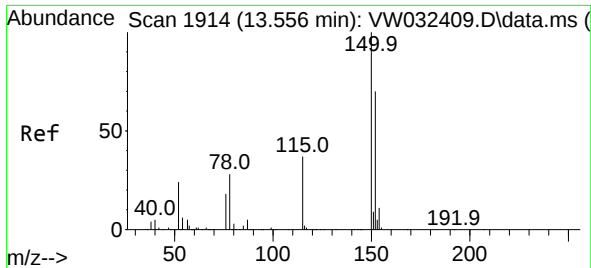
Tgt Ion: 95 Resp: 273656
Ion Ratio Lower Upper
95 100
174 67.4 0.0 135.4
176 61.6 0.0 131.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.006 min
Lab File: VW032482.D
Acq: 18 Nov 2025 15:30

Tgt Ion: 117 Resp: 606488
Ion Ratio Lower Upper
117 100
82 55.7 43.0 64.4
119 30.9 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: VW032482.D
 Acq: 18 Nov 2025 15:30

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

Tgt Ion:152 Resp: 290144
 Ion Ratio Lower Upper
 152 100
 115 64.7 32.8 98.3
 150 149.3 0.0 356.6

