

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW081425\
 Data File : VW032088.D
 Acq On : 14 Aug 2025 13:09
 Operator : SY/MD
 Sample : Q2820-05
 Misc : 4.93g/5mL/MSVOA_W/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 518R-E

Quant Time: Aug 18 03:51:11 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W081125S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 12 04:04:48 2025
 Response via : Initial Calibration

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

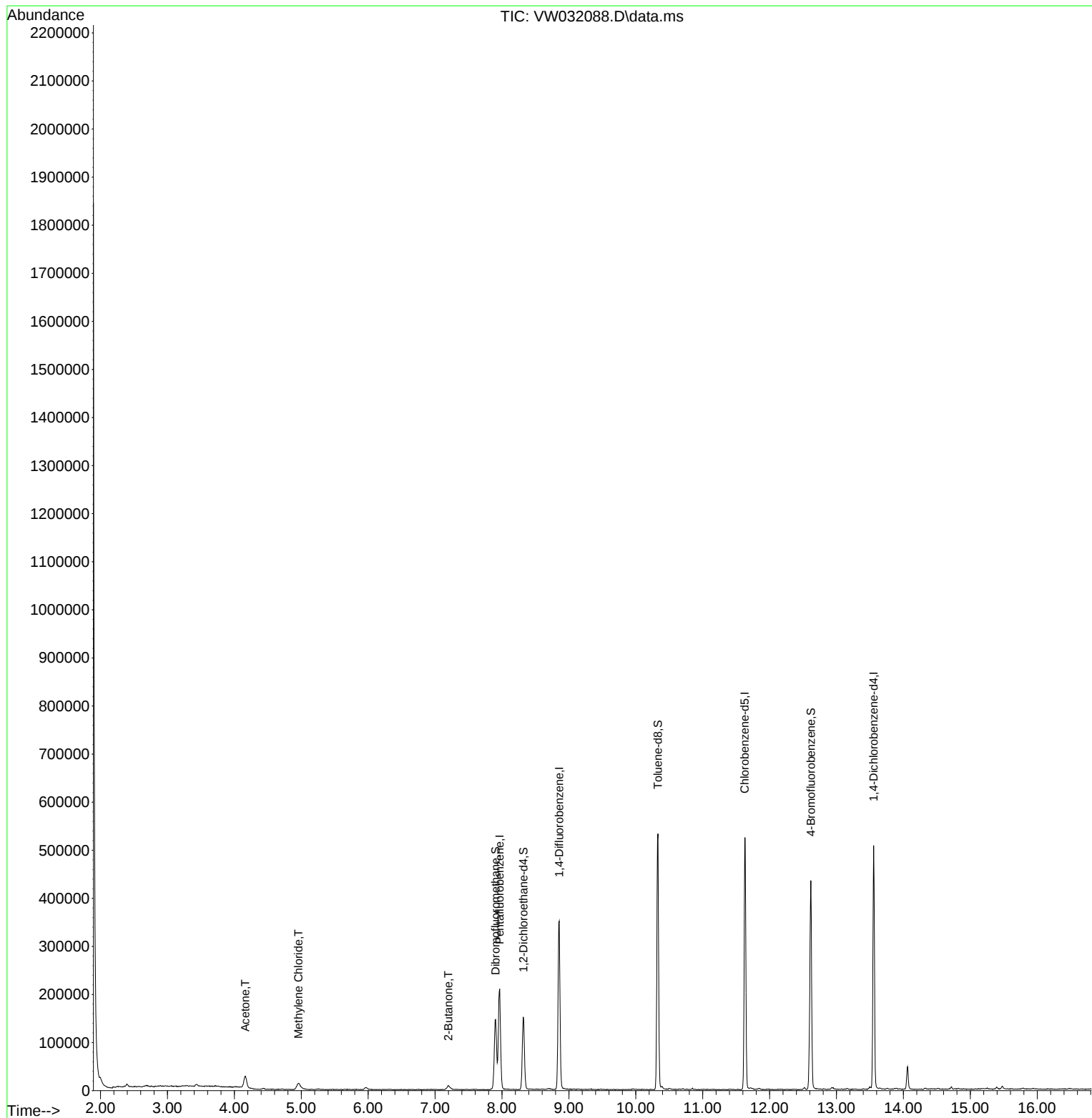
Internal Standards						
1) Pentafluorobenzene	7.965	168	142915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	288167	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.629	117	279890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.556	152	126154	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.319	65	123019	59.517	ug/l	0.00
Spiked Amount	50.000	Range	63 - 155	Recovery	= 119.040%	
35) Dibromofluoromethane	7.904	113	104709	56.245	ug/l	0.00
Spiked Amount	50.000	Range	70 - 134	Recovery	= 112.480%	
50) Toluene-d8	10.331	98	345691	50.204	ug/l	0.00
Spiked Amount	50.000	Range	74 - 123	Recovery	= 100.400%	
62) 4-Bromofluorobenzene	12.617	95	119774	47.202	ug/l	0.00
Spiked Amount	50.000	Range	17 - 146	Recovery	= 94.400%	
Target Compounds						Qvalue
16) Acetone	4.161	43	43607	91.123	ug/l	90
20) Methylene Chloride	4.960	84	11745	5.308	ug/l	94
25) 2-Butanone	7.197	43	11866	17.446	ug/l	92

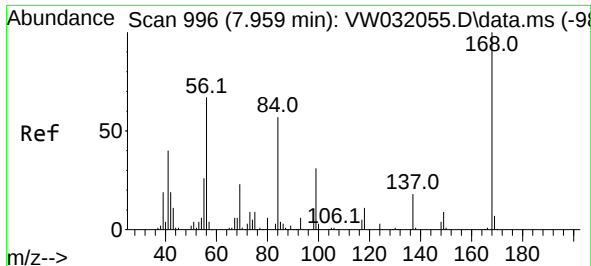
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

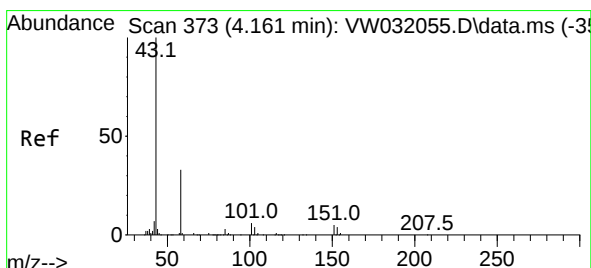
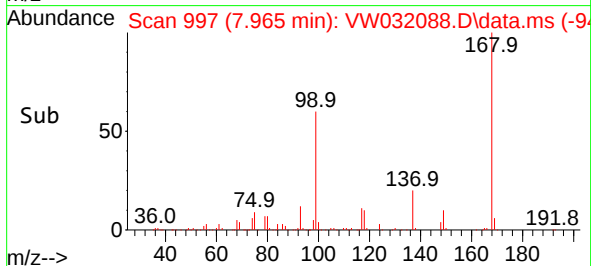
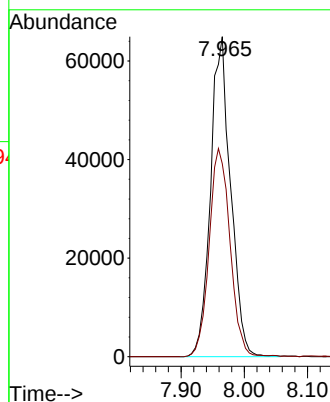
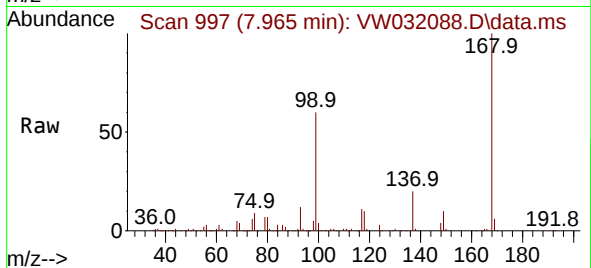




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.965 min Scan# 996
Delta R.T. 0.006 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

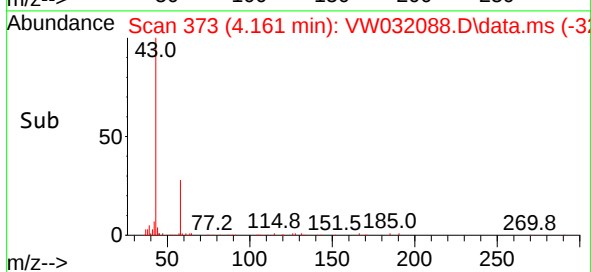
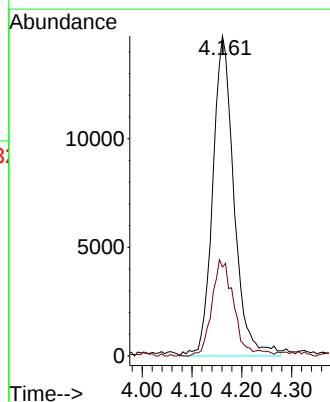
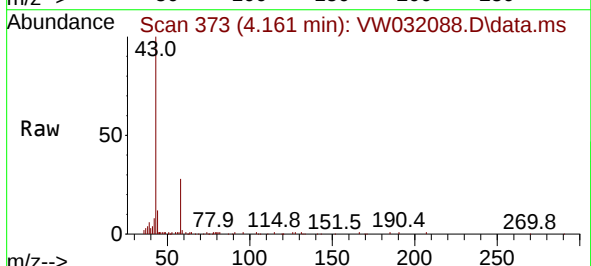
Instrument :
MSVOA_W
ClientSampleId :
518R-E

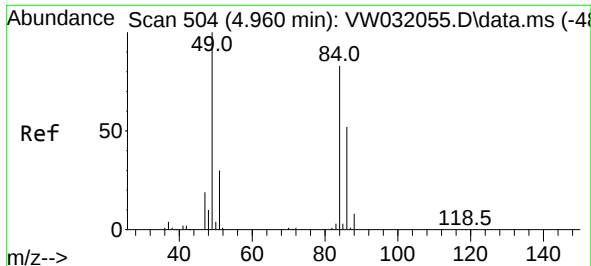
Tgt Ion:168 Resp: 142915
Ion Ratio Lower Upper
168 100
99 60.3 56.0 84.0



#16
Acetone
Concen: 91.123 ug/l
RT: 4.161 min Scan# 373
Delta R.T. -0.000 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

Tgt Ion: 43 Resp: 43607
Ion Ratio Lower Upper
43 100
58 27.4 26.6 39.8

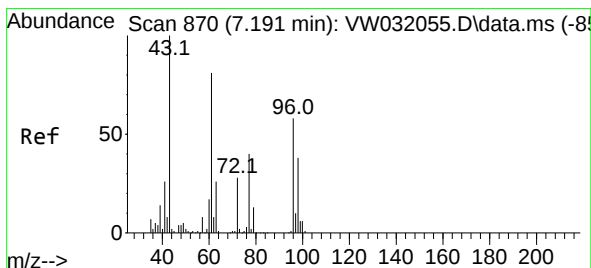
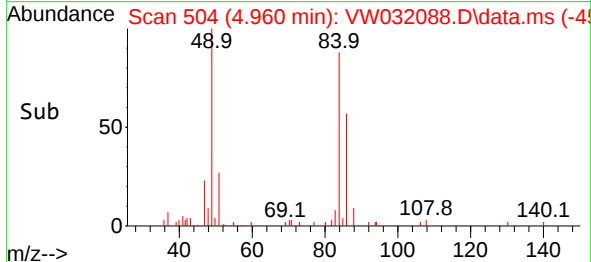
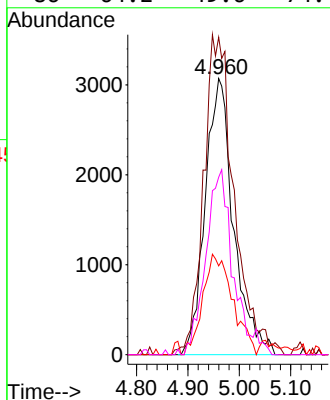
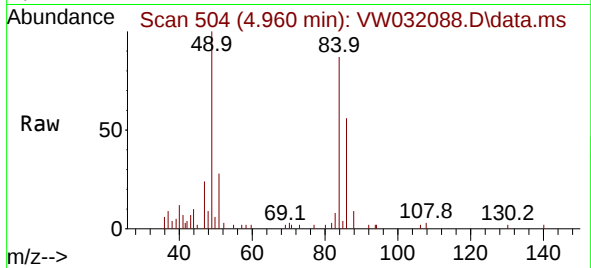




#20
Methylene Chloride
Concen: 5.308 ug/l
RT: 4.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

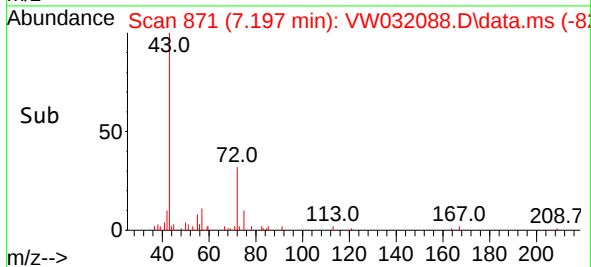
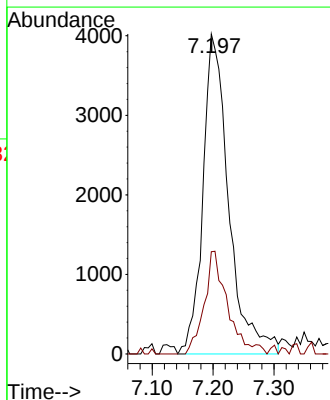
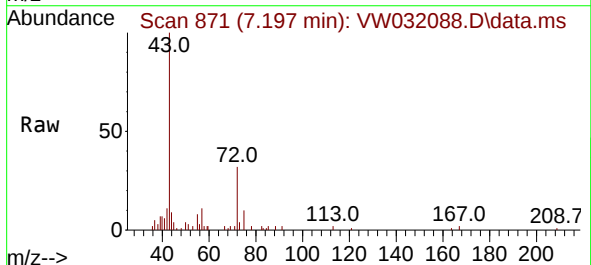
Instrument :
MSVOA_W
ClientSampleId :
518R-E

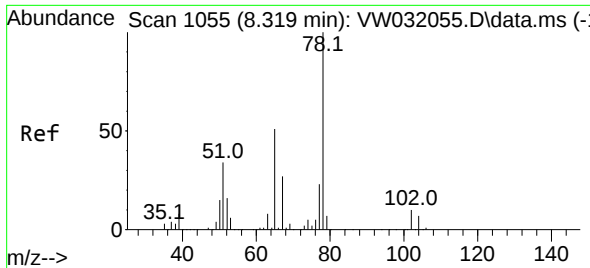
Tgt Ion:	84	Resp:	11745
Ion	Ratio	Lower	Upper
84	100		
49	113.1	95.9	143.9
51	29.7	28.6	43.0
86	64.2	49.6	74.4



#25
2-Butanone
Concen: 17.446 ug/l
RT: 7.197 min Scan# 871
Delta R.T. 0.006 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

Tgt Ion:	43	Resp:	11866
Ion	Ratio	Lower	Upper
43	100		
72	31.9	22.3	33.5

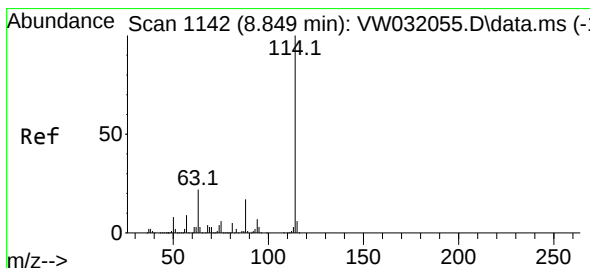
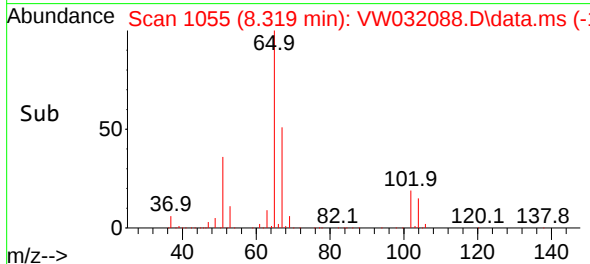
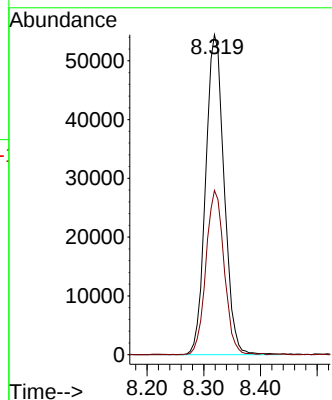
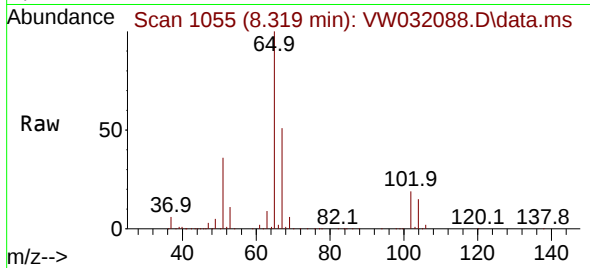




#33
 1,2-Dichloroethane-d4
 Concen: 59.517 ug/l
 RT: 8.319 min Scan# 1055
 Delta R.T. -0.000 min
 Lab File: VW032088.D
 Acq: 14 Aug 2025 13:09

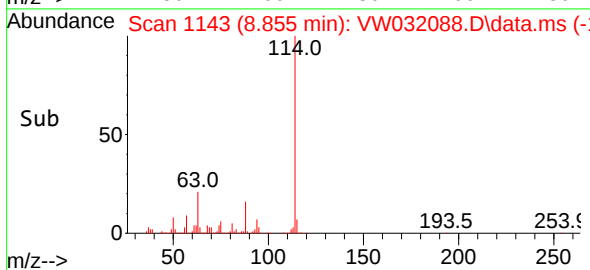
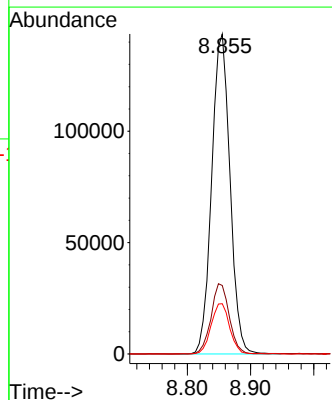
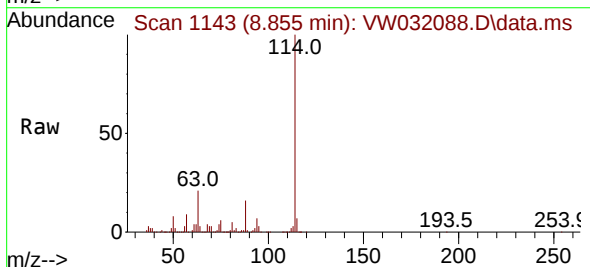
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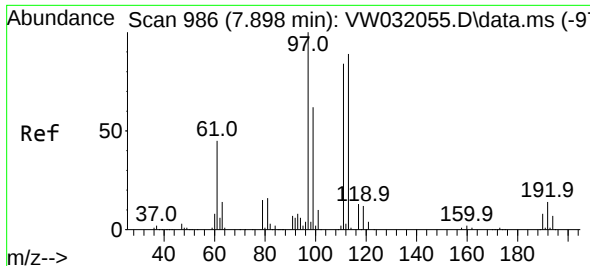
Tgt Ion: 65 Resp: 123019
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.855 min Scan# 1143
 Delta R.T. 0.006 min
 Lab File: VW032088.D
 Acq: 14 Aug 2025 13:09

Tgt Ion:114 Resp: 288167
 Ion Ratio Lower Upper
 114 100
 63 21.3 0.0 43.0
 88 15.7 0.0 33.8

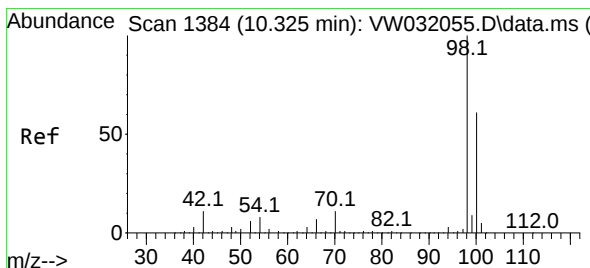
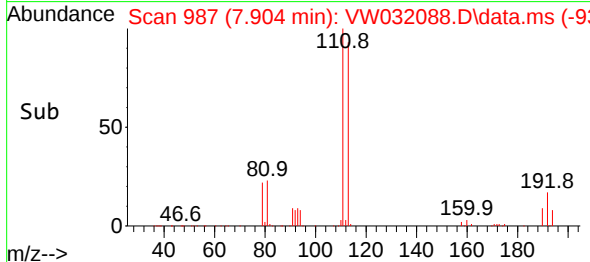
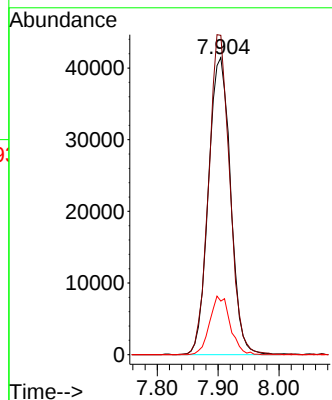
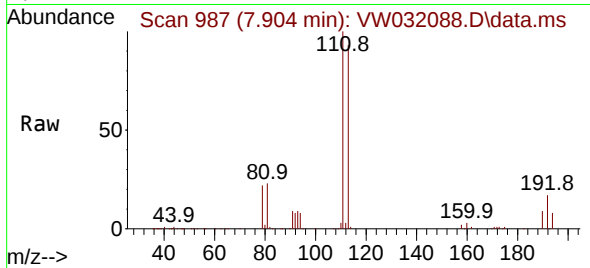




#35
Dibromofluoromethane
Concen: 56.245 ug/l
RT: 7.904 min Scan# 91
Delta R.T. 0.006 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

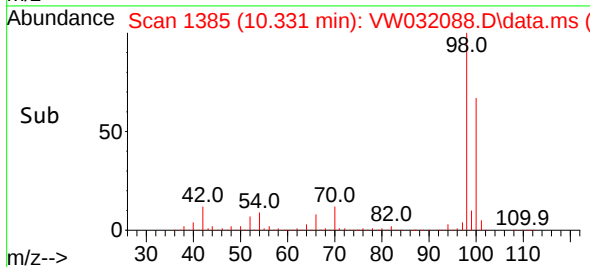
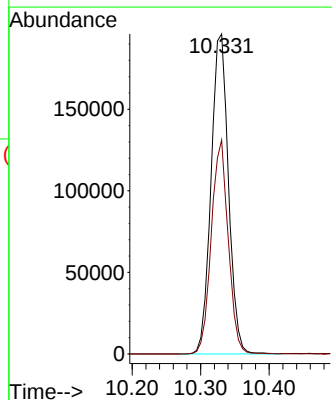
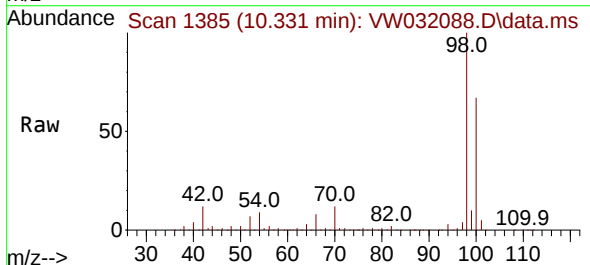
Instrument :
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ClientSampleId :
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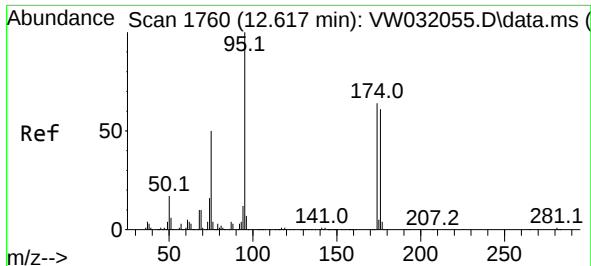
Tgt Ion:113 Resp: 104709
Ion Ratio Lower Upper
113 100
111 102.8 80.1 120.1
192 18.2 13.1 19.7



#50
Toluene-d8
Concen: 50.204 ug/l
RT: 10.331 min Scan# 1385
Delta R.T. 0.006 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

Tgt Ion: 98 Resp: 345691
Ion Ratio Lower Upper
98 100
100 65.0 51.1 76.7

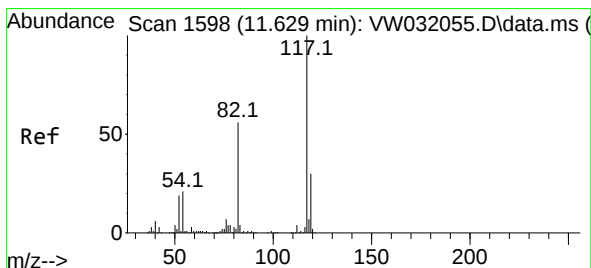
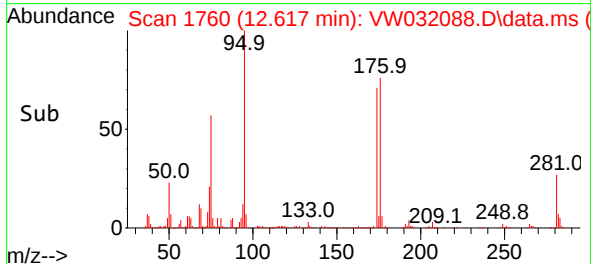
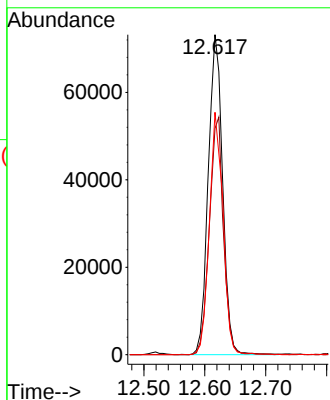
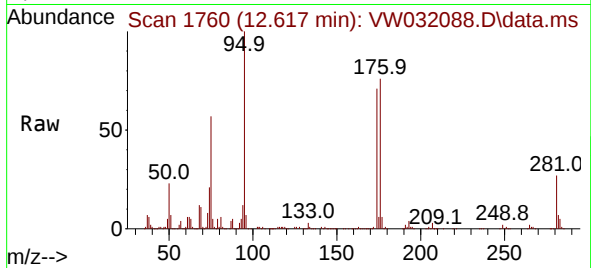




#62
4-Bromofluorobenzene
Concen: 47.202 ug/l
RT: 12.617 min Scan# 11
Delta R.T. -0.000 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

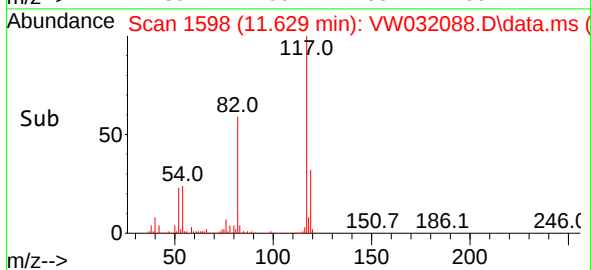
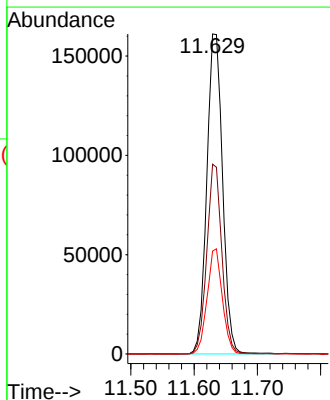
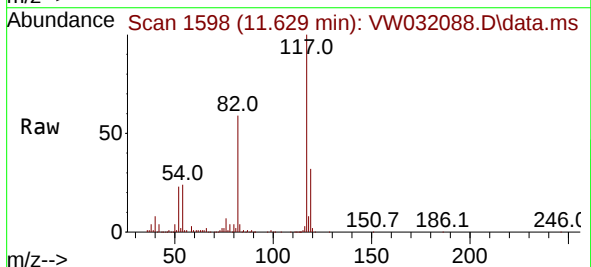
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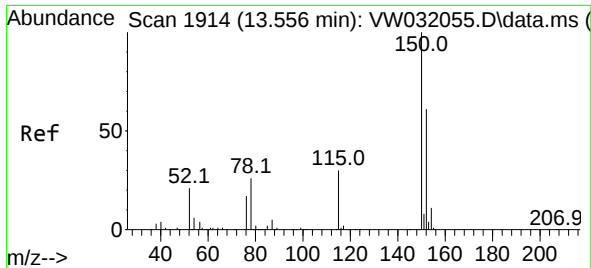
Tgt Ion:	95	Resp:	119774
Ion Ratio	Lower	Upper	
95	100		
174	72.9	0.0	129.0
176	72.3	0.0	124.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.629 min Scan# 1598
Delta R.T. -0.000 min
Lab File: VW032088.D
Acq: 14 Aug 2025 13:09

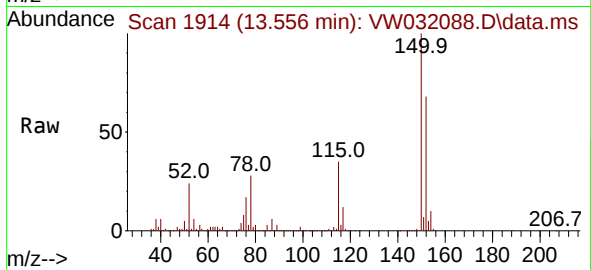
Tgt Ion:	117	Resp:	279890
Ion Ratio	Lower	Upper	
117	100		
82	59.3	45.0	67.4
119	32.1	24.2	36.4





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.556 min Scan# 1914
 Delta R.T. -0.000 min
 Lab File: VW032088.D
 Acq: 14 Aug 2025 13:09

Instrument :
 MSVOA_W
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Tgt Ion:152 Resp: 126154
 Ion Ratio Lower Upper
 152 100
 115 58.5 32.6 97.8
 150 159.2 0.0 359.4

