

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
 Data File : VL043132.D
 Acq On : 17 Oct 2025 09:05
 Operator : SY/MD
 Sample : VL1017ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABL01

Quant Time: Oct 18 04:32:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

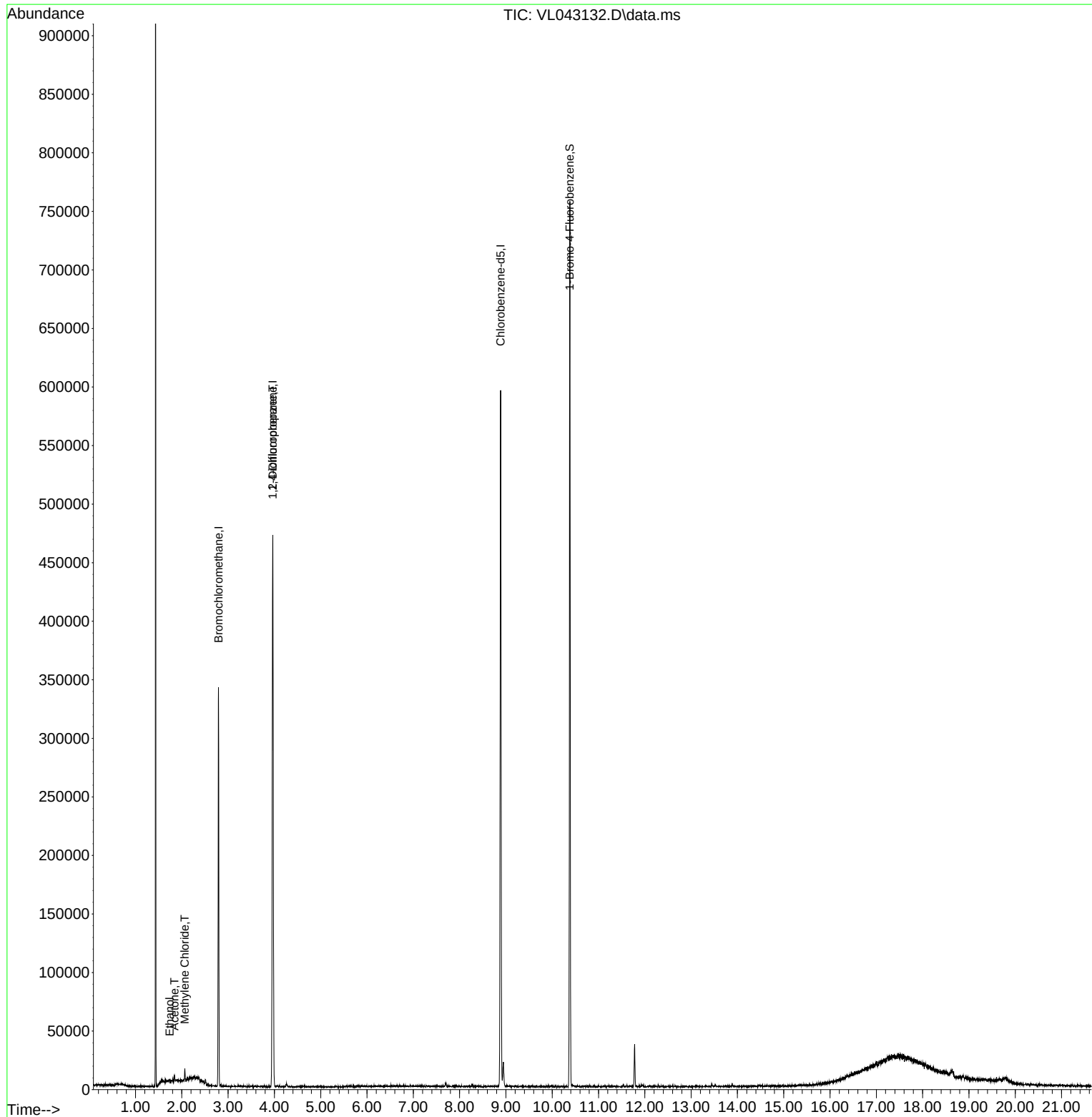
Internal Standards						
1) Bromochloromethane	2.793	49	88811	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	284361	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	240318	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	189815	10.162	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.600%
Target Compounds						
					Qvalue	
13) Ethanol	1.738	45	158	0.071	ppbv #	38
15) Acetone	1.842	43	2027	0.169	ppbv #	58
20) Methylene Chloride	2.065	84	1592	0.336	ppbv #	89
39) 1,2-Dichloropropane	3.962	63	73231	7.479	ppbv #	24

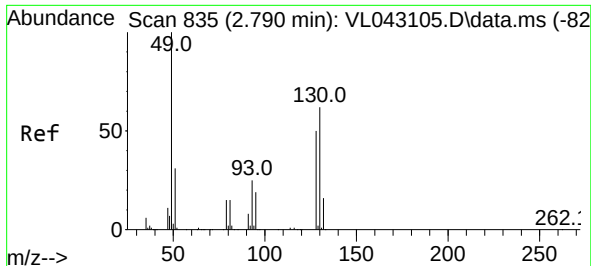
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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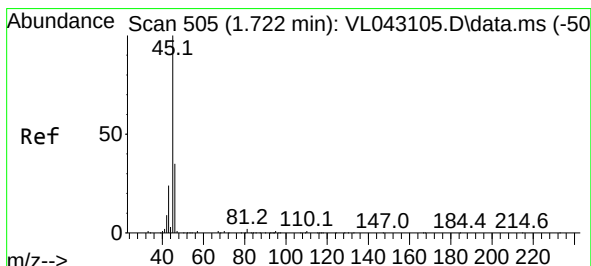
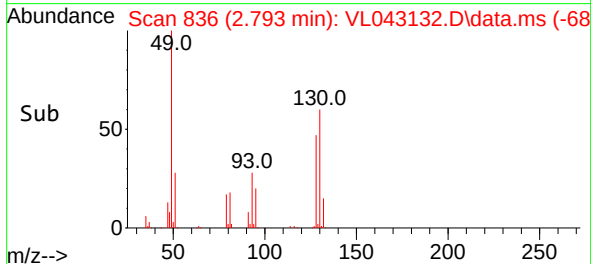
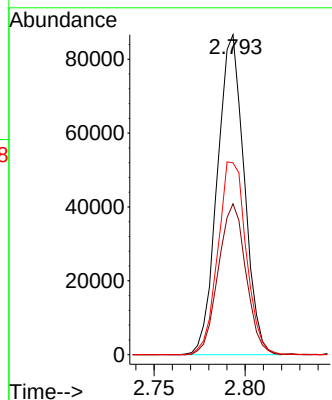
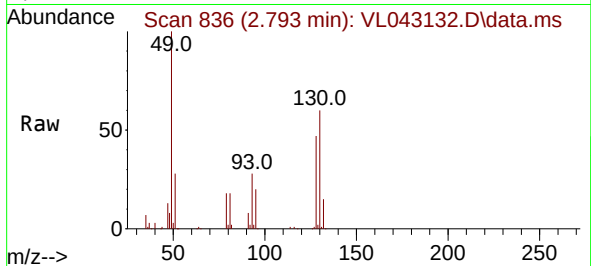




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043132.D
Acq: 17 Oct 2025 09:05

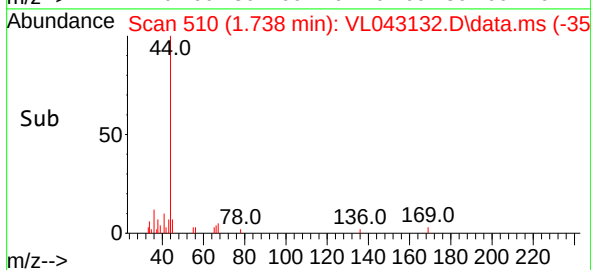
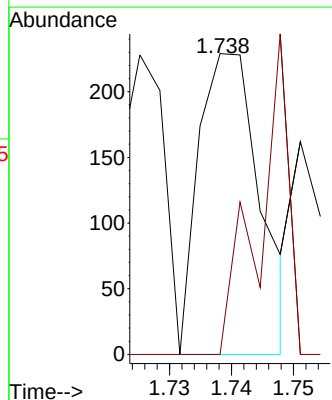
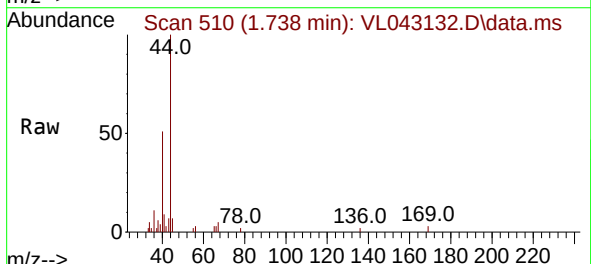
Instrument :
MSVOA_L
ClientSampleId :
VL1017ABL01

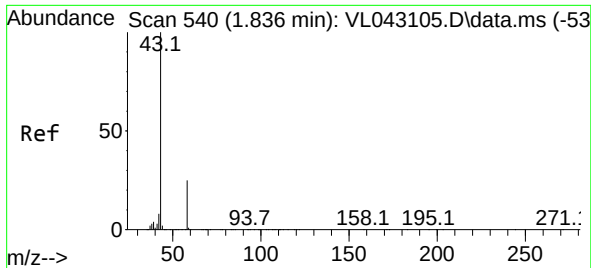
Tgt Ion: 49 Resp: 88811
Ion Ratio Lower Upper
49 100
128 48.5 24.4 73.4
130 63.5 31.0 93.0



#13
Ethanol
Concen: 0.071 ppbv
RT: 1.738 min Scan# 510
Delta R.T. 0.016 min
Lab File: VL043132.D
Acq: 17 Oct 2025 09:05

Tgt Ion: 45 Resp: 158
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9#

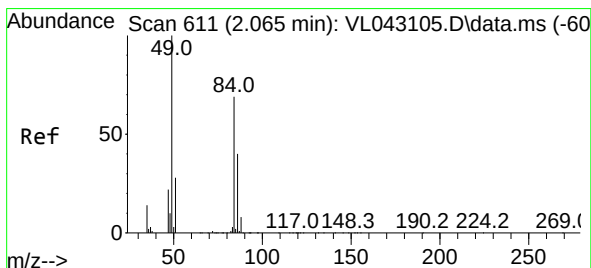
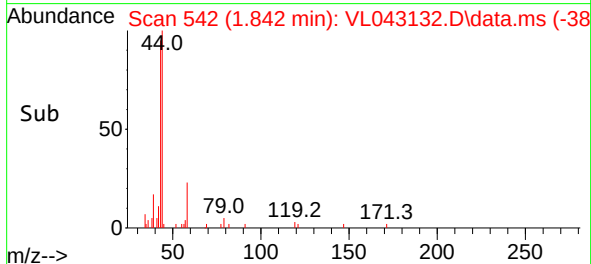
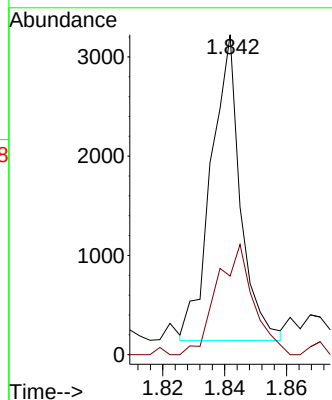
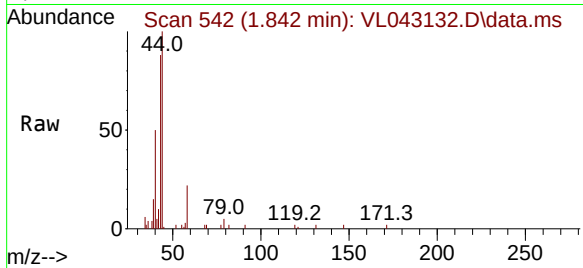




#15
Acetone
Concen: 0.169 ppbv
RT: 1.842 min Scan# 540
Delta R.T. 0.006 min
Lab File: VL043132.D
Acq: 17 Oct 2025 09:05

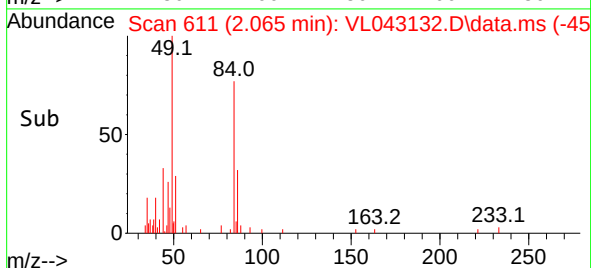
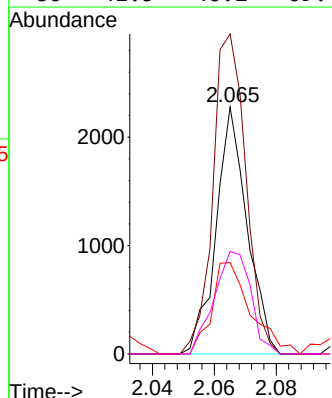
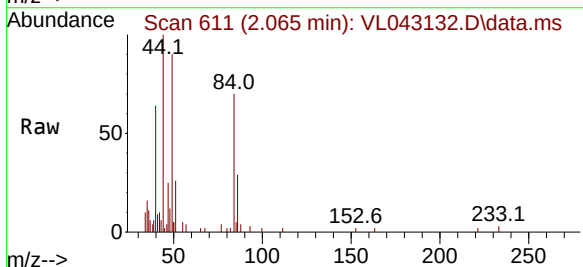
Instrument :
MSVOA_1
ClientSampleId :
VL1017ABL01

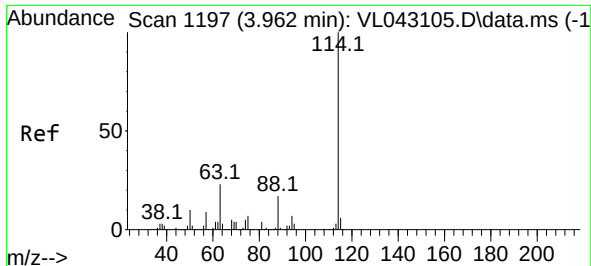
Tgt Ion: 43 Resp: 2027
Ion Ratio Lower Upper
43 100
58 47.7 20.8 31.2#



#20
Methylene Chloride
Concen: 0.336 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043132.D
Acq: 17 Oct 2025 09:05

Tgt Ion: 84 Resp: 1592
Ion Ratio Lower Upper
84 100
49 136.4 116.6 175.0
51 37.0 34.8 52.2
86 41.5 46.2 69.4#

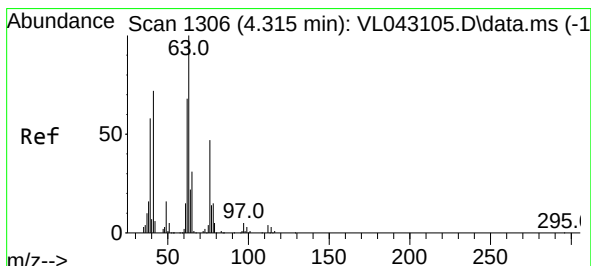
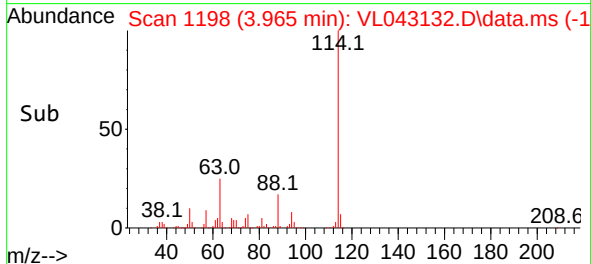
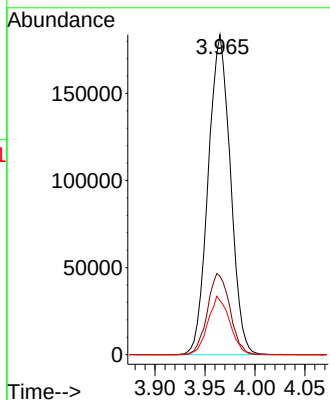
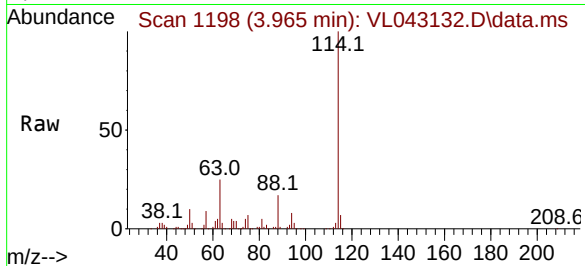




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.965 min Scan# 1197
 Delta R.T. 0.003 min
 Lab File: VL043132.D
 Acq: 17 Oct 2025 09:05

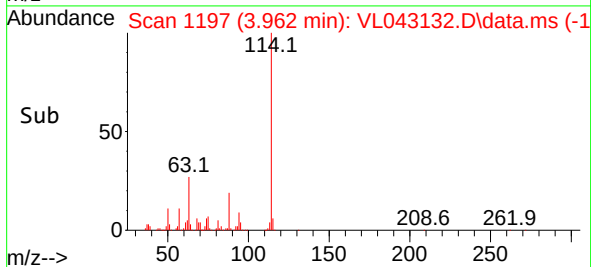
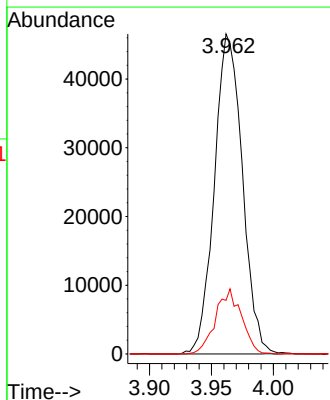
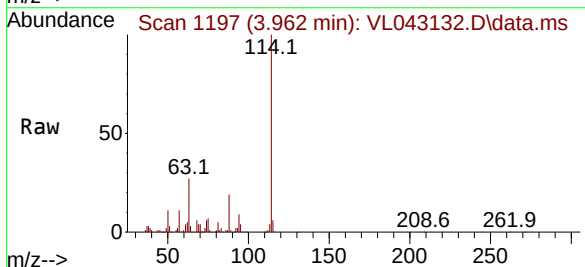
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1017ABL01

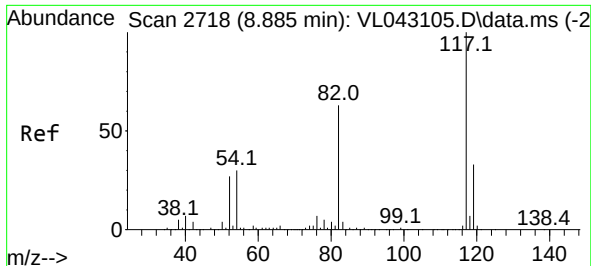
Tgt Ion:114 Resp: 284361
 Ion Ratio Lower Upper
 114 100
 63 25.8 19.3 28.9
 88 17.9 13.9 20.9



#39
 1,2-Dichloropropane
 Concen: 7.479 ppbv
 RT: 3.962 min Scan# 1197
 Delta R.T. -0.353 min
 Lab File: VL043132.D
 Acq: 17 Oct 2025 09:05

Tgt Ion: 63 Resp: 73231
 Ion Ratio Lower Upper
 63 100
 41 0.0 58.0 87.0#
 62 16.8 54.7 82.1#

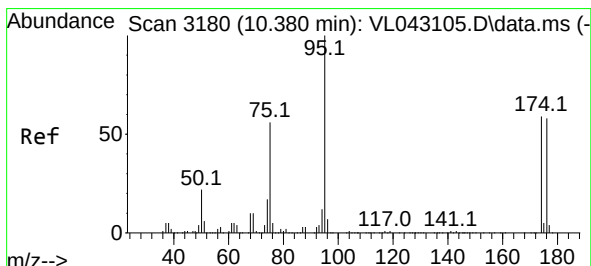
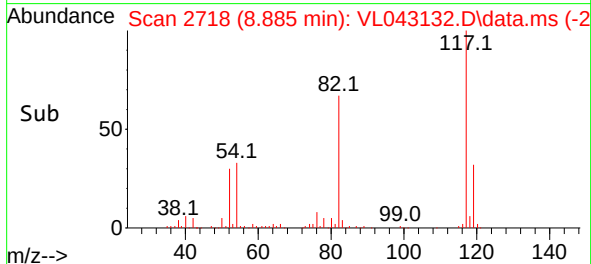
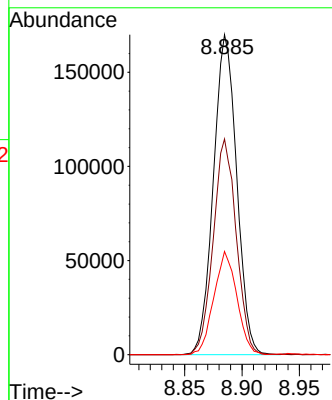
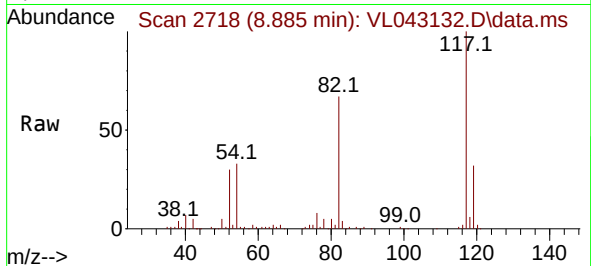




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL043132.D
Acq: 17 Oct 2025 09:05

Instrument :
MSVOA_1
ClientSampleId :
VL1017ABL01

Tgt Ion:117 Resp: 240318
Ion Ratio Lower Upper
117 100
82 66.7 53.8 80.8
119 32.0 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.162 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. -0.000 min
Lab File: VL043132.D
Acq: 17 Oct 2025 09:05

Tgt Ion: 95 Resp: 189815
Ion Ratio Lower Upper
95 100
174 58.8 48.3 72.5
175 4.2 3.8 5.8

