

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043057.D
 Acq On : 08 Oct 2025 11:10
 Operator : SY/MD
 Sample : QC100625 CAN 10595
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC100625 CAN 10595

Quant Time: Oct 09 01:40:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

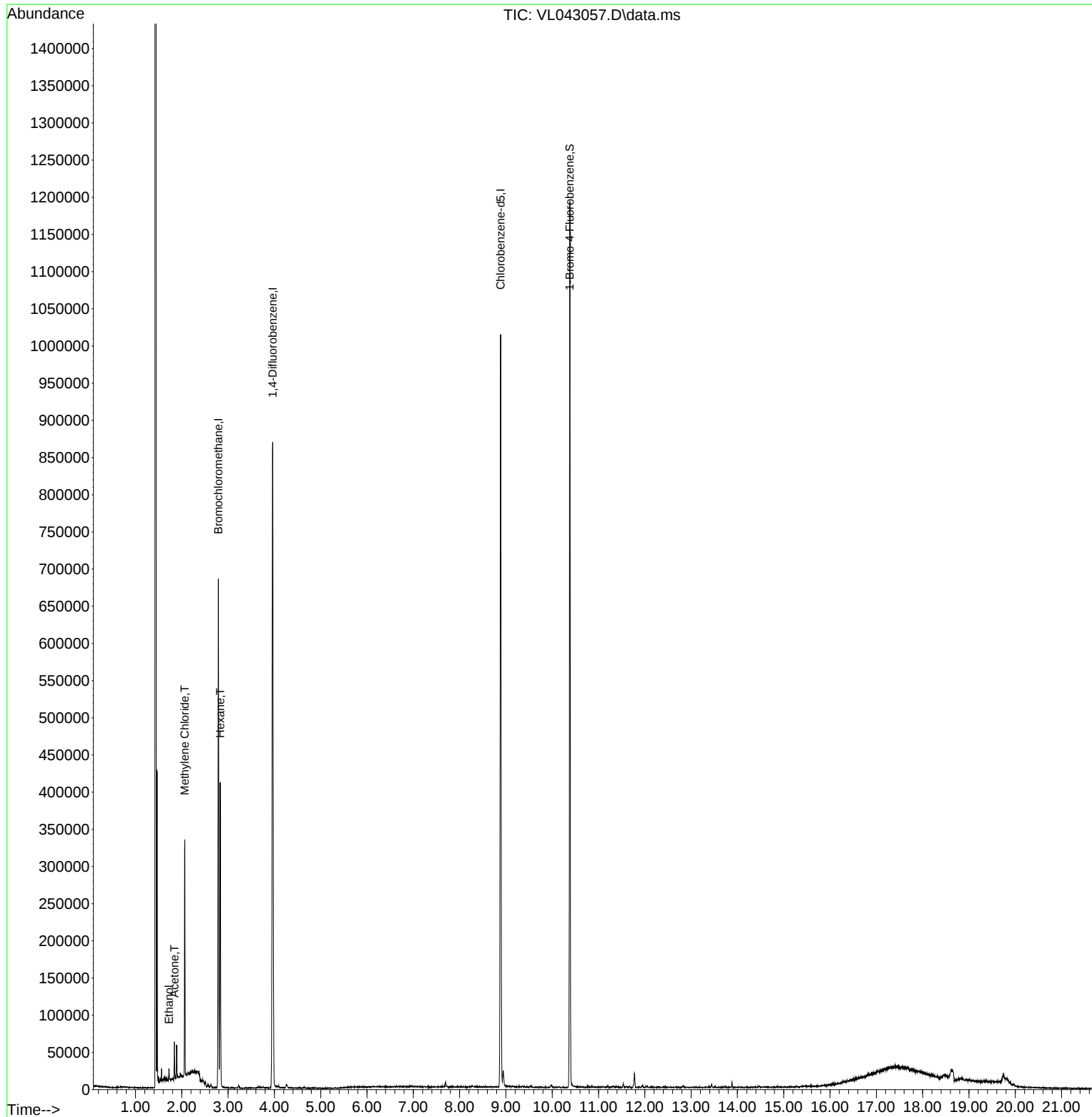
Internal Standards						
1) Bromochloromethane	2.790	49	184614	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.962	114	508376	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.885	117	400630	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	275930	9.561	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.600%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	4648	9.299	ppbv #	31
15) Acetone	1.839	43	20213	0.782	ppbv #	89
20) Methylene Chloride	2.065	84	49860	4.419	ppbv	98
26) Hexane	2.829	57	88394	3.544	ppbv #	35

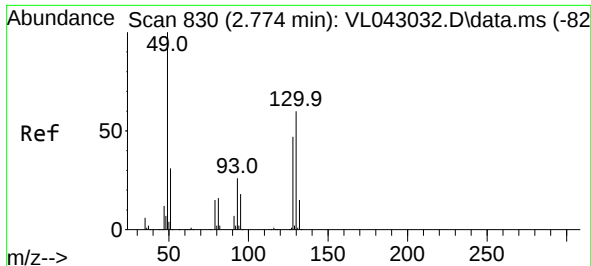
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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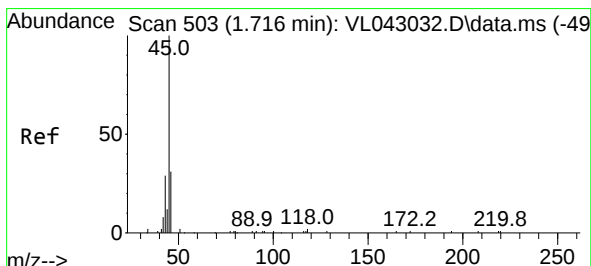
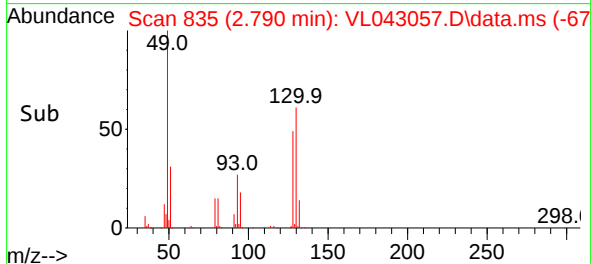
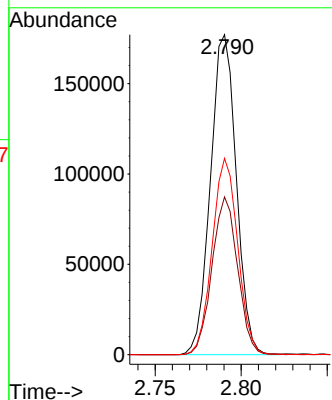
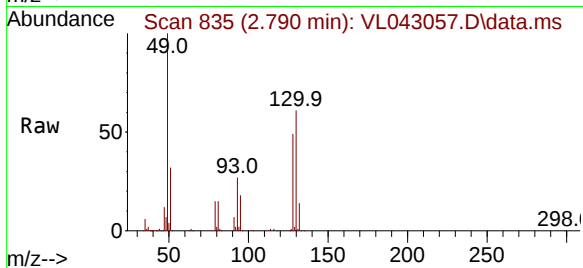




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.016 min
Lab File: VL043057.D
Acq: 08 Oct 2025 11:10

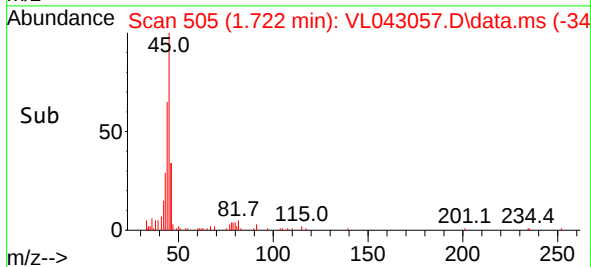
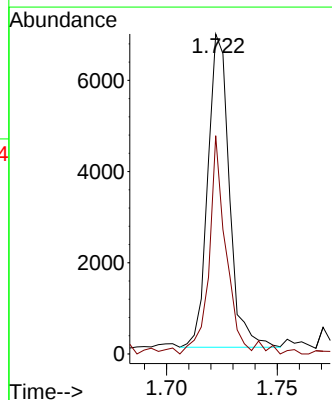
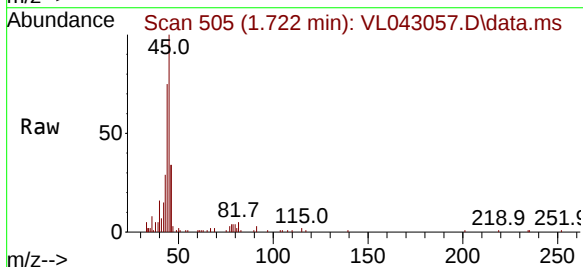
Instrument :
MSVOA_L
ClientSampleId :
QC100625 CAN 10595

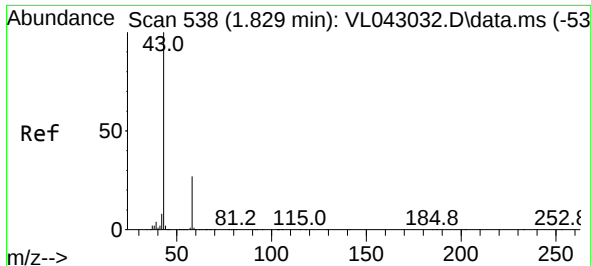
Tgt Ion: 49 Resp: 184614
Ion Ratio Lower Upper
49 100
128 48.9 24.1 72.2
130 60.8 31.4 94.3



#13
Ethanol
Concen: 9.299 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.006 min
Lab File: VL043057.D
Acq: 08 Oct 2025 11:10

Tgt Ion: 45 Resp: 4648
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#

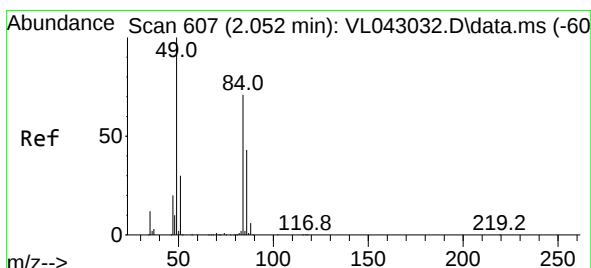
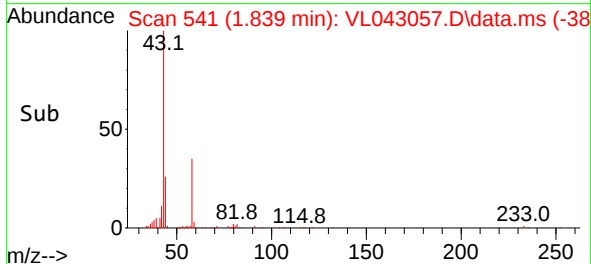
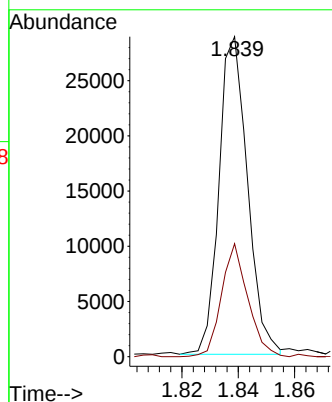
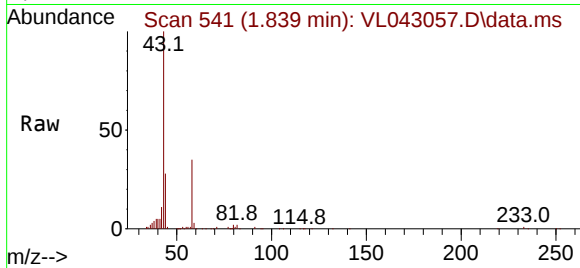




#15
Acetone
Concen: 0.782 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.010 min
Lab File: VL043057.D
Acq: 08 Oct 2025 11:10

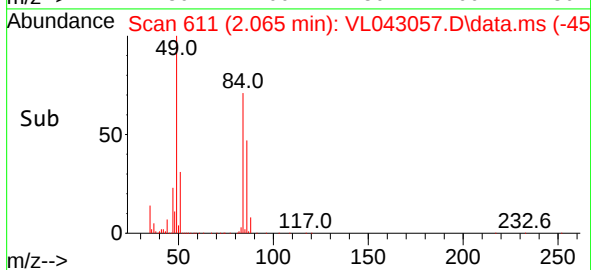
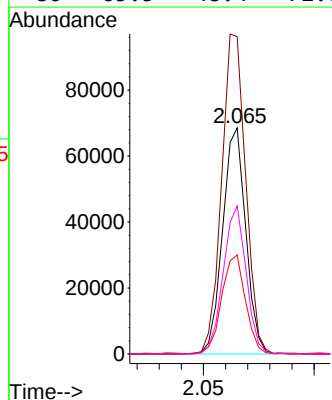
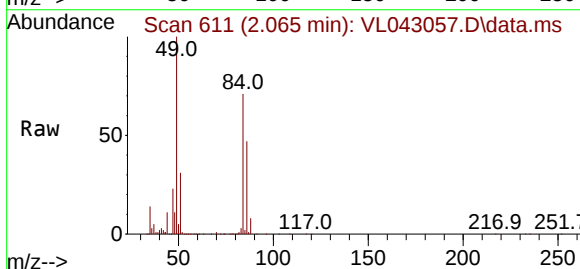
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QC100625 CAN 10595

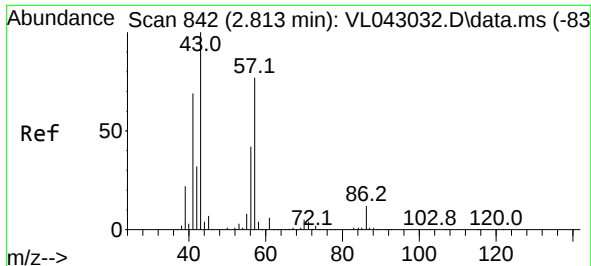
Tgt Ion: 43 Resp: 20213
Ion Ratio Lower Upper
43 100
58 33.4 22.2 33.4#



#20
Methylene Chloride
Concen: 4.419 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.013 min
Lab File: VL043057.D
Acq: 08 Oct 2025 11:10

Tgt Ion: 84 Resp: 49860
Ion Ratio Lower Upper
84 100
49 140.4 112.5 168.7
51 43.5 34.2 51.2
86 65.5 48.4 72.6

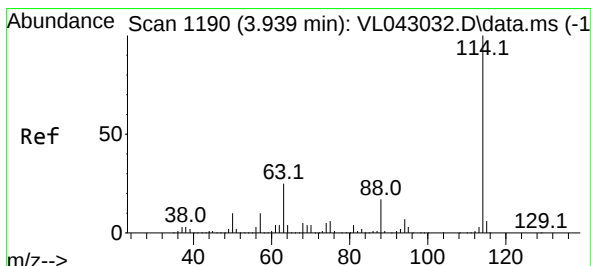
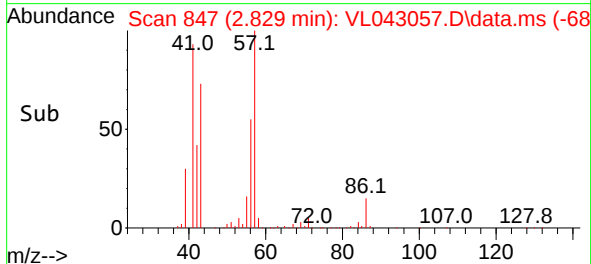
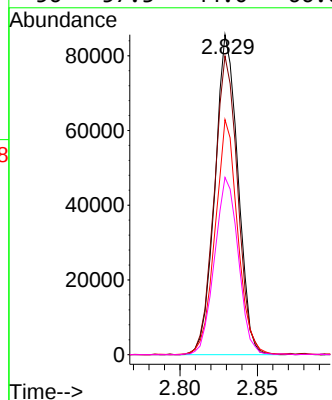
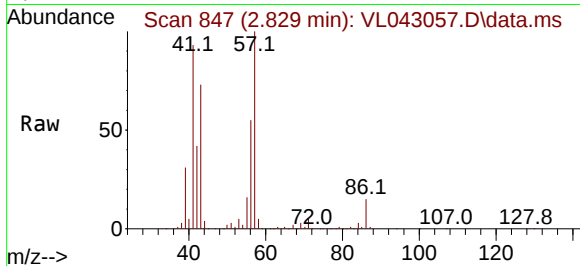




#26
Hexane
Concen: 3.544 ppbv
RT: 2.829 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL043057.D
Acq: 08 Oct 2025 11:10

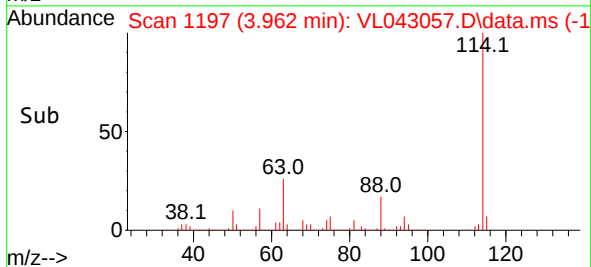
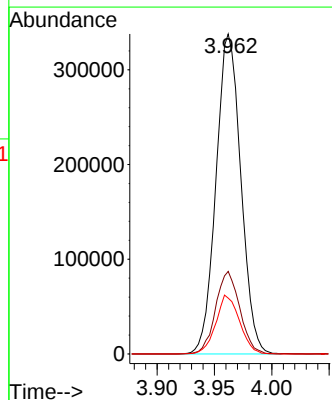
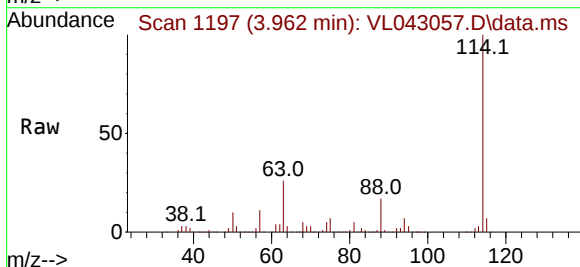
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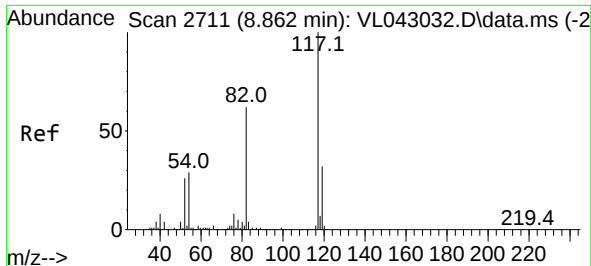
Tgt Ion: 57 Resp: 88394
Ion Ratio Lower Upper
57 100
41 95.7 76.1 114.1
43 72.4 201.4 302.0#
56 57.3 44.0 66.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.023 min
Lab File: VL043057.D
Acq: 08 Oct 2025 11:10

Tgt Ion:114 Resp: 508376
Ion Ratio Lower Upper
114 100
63 25.2 19.4 29.2
88 17.6 13.9 20.9

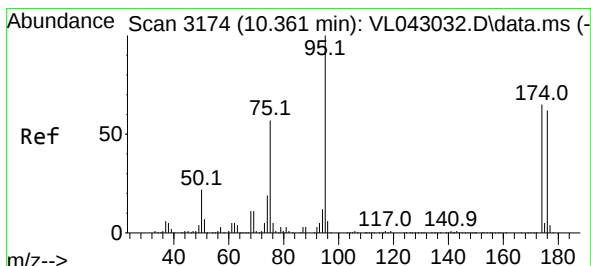
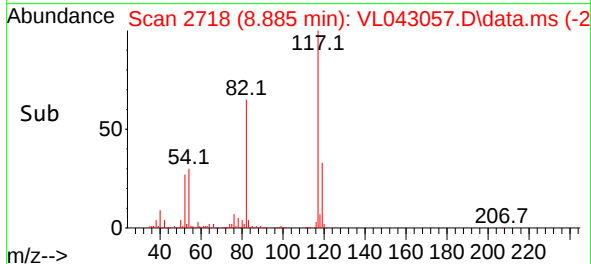
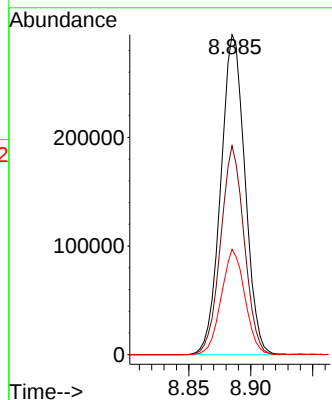
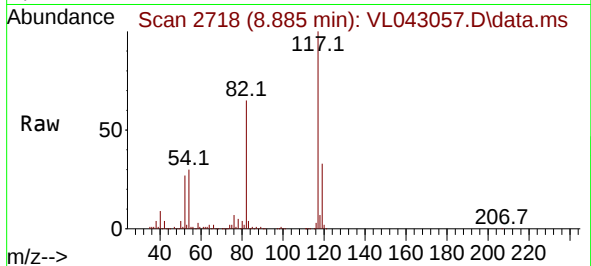




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL043057.D
Acq: 08 Oct 2025 11:10

Instrument :
MSVOA_L
ClientSampleId :
QC100625 CAN 10595

Tgt Ion:117 Resp: 400630
Ion Ratio Lower Upper
117 100
82 63.7 53.0 79.6
119 32.2 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.561 ppbv
RT: 10.380 min Scan# 3180
Delta R.T. 0.019 min
Lab File: VL043057.D
Acq: 08 Oct 2025 11:10

Tgt Ion: 95 Resp: 275930
Ion Ratio Lower Upper
95 100
174 65.6 52.3 78.5
175 4.8 3.8 5.8

