

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
 Data File : VL042940.D
 Acq On : 18 Sep 2025 11:01
 Operator : SY/MD
 Sample : VL0918ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABL01

Quant Time: Sep 19 01:22:46 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.794	49	148160	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	363124	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	306480	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	229711	9.589	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.900%

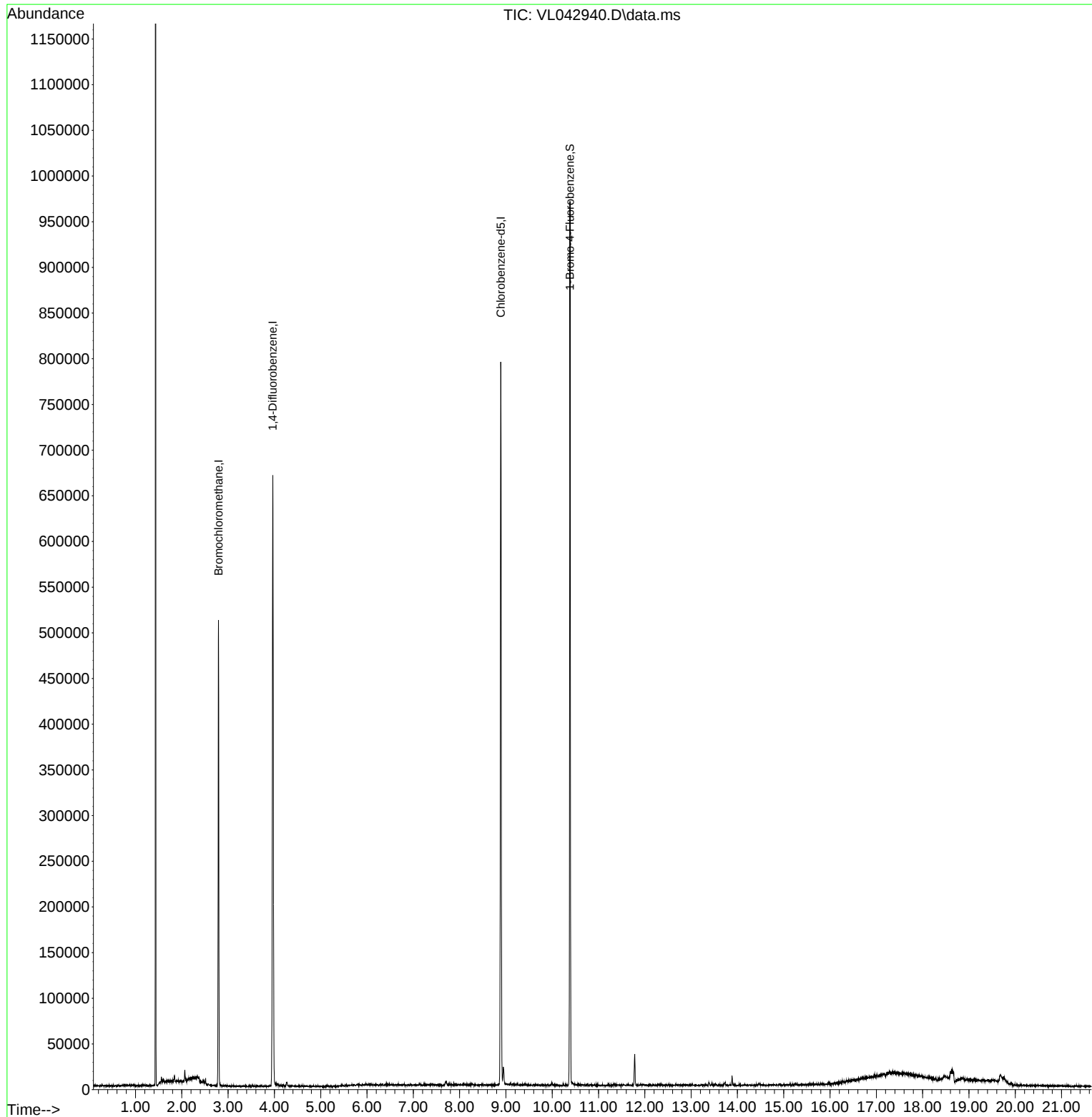
Target Compounds	Qvalue

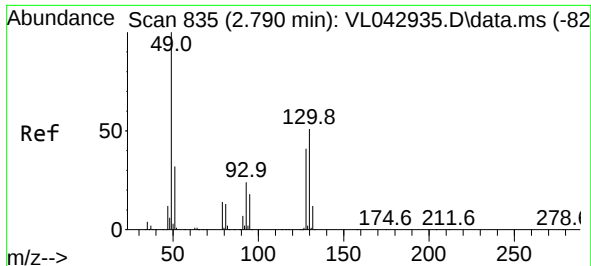
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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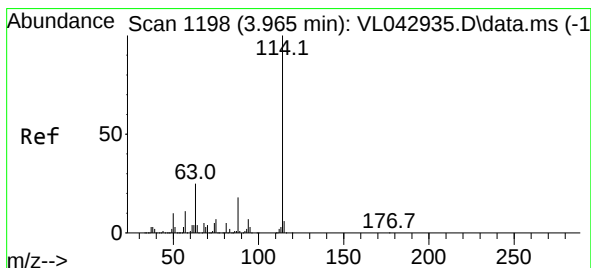
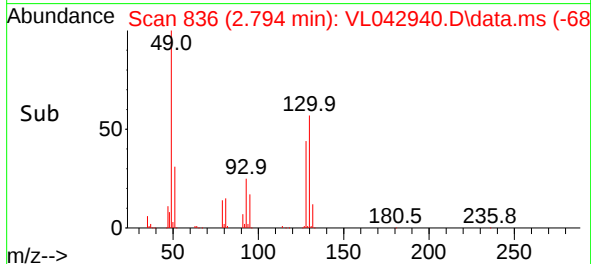
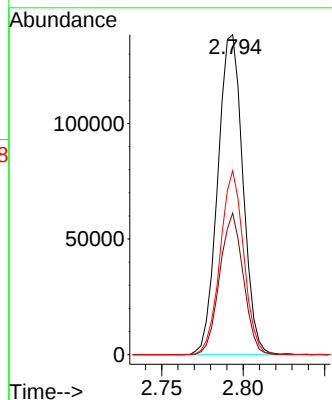
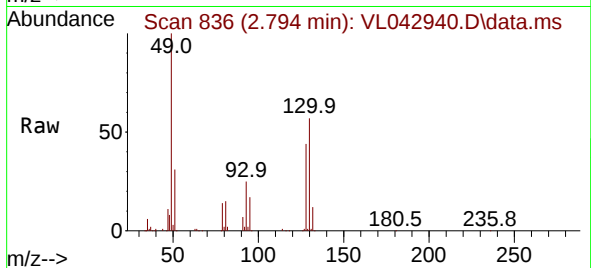




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.794 min Scan# 835
Delta R.T. 0.004 min
Lab File: VL042940.D
Acq: 18 Sep 2025 11:01

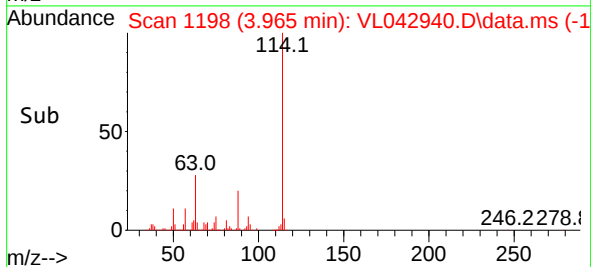
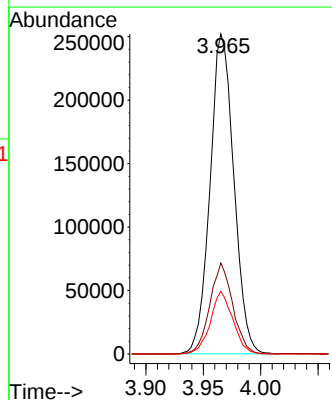
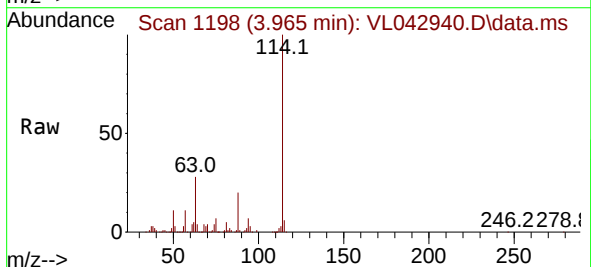
Instrument :
MSVOA_L
ClientSampleId :
VL0918ABL01

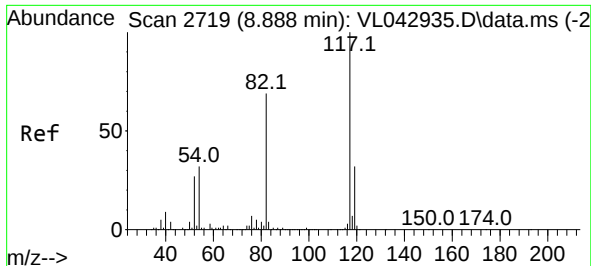
Tgt Ion: 49 Resp: 148160
Ion Ratio Lower Upper
49 100
128 41.5 21.1 63.4
130 53.9 26.4 79.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1198
Delta R.T. 0.000 min
Lab File: VL042940.D
Acq: 18 Sep 2025 11:01

Tgt Ion: 114 Resp: 363124
Ion Ratio Lower Upper
114 100
63 27.5 21.1 31.7
88 18.5 14.6 22.0

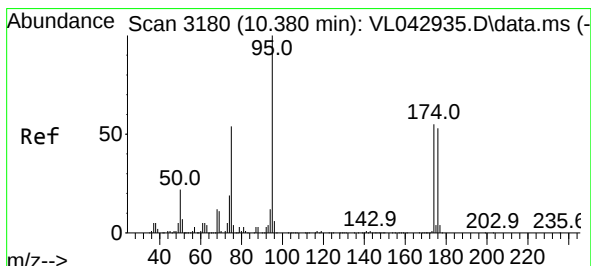
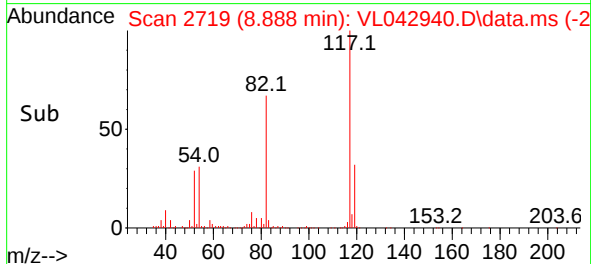
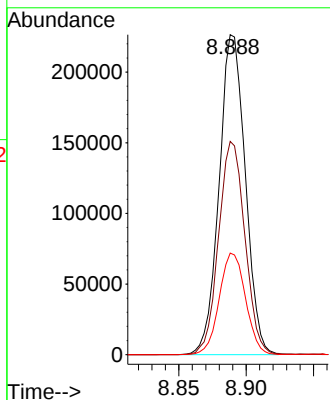
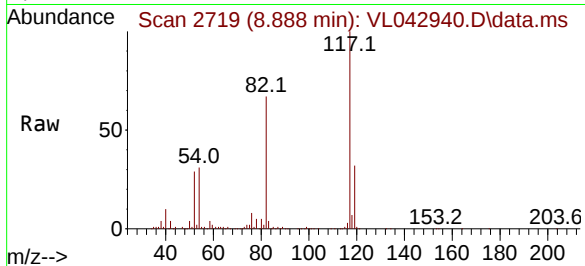




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.000 min
Lab File: VL042940.D
Acq: 18 Sep 2025 11:01

Instrument :
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ClientSampleId :
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Tgt Ion: 117 Resp: 306480
Ion Ratio Lower Upper
117 100
82 67.1 56.1 84.1
119 31.9 25.8 38.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.589 ppbv
RT: 10.383 min Scan# 3181
Delta R.T. 0.003 min
Lab File: VL042940.D
Acq: 18 Sep 2025 11:01

Tgt Ion: 95 Resp: 229711
Ion Ratio Lower Upper
95 100
174 56.8 44.9 67.3
175 4.1 3.3 4.9

