

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL092425\  
 Data File : VL043002.D  
 Acq On : 24 Sep 2025 09:51  
 Operator : SY/MD  
 Sample : VL0924ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_L  
**ClientSampleId :**  
 VL0924ABL01

Quant Time: Sep 25 01:52:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL092225AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Tue Sep 23 02:39:16 2025  
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	2.790	49	149932	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	453605	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	394017	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	291883	9.924	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%

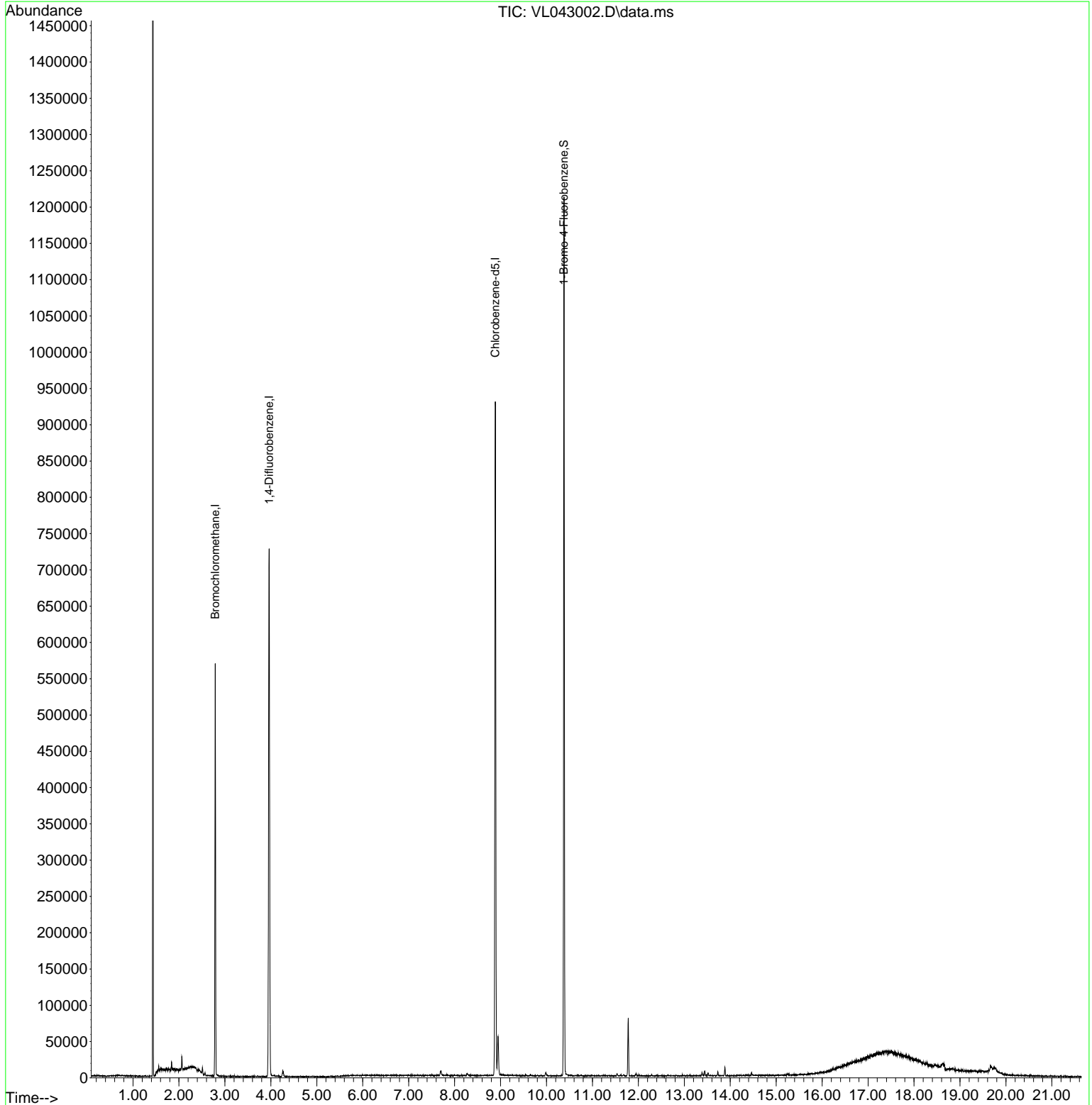
Target Compounds Qvalue  
 -----

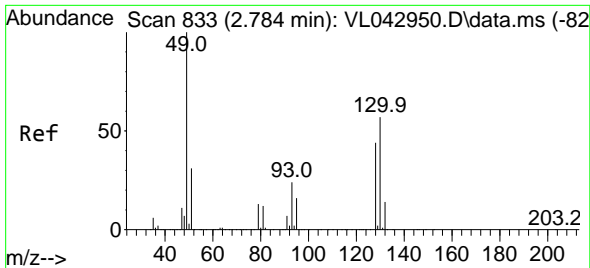
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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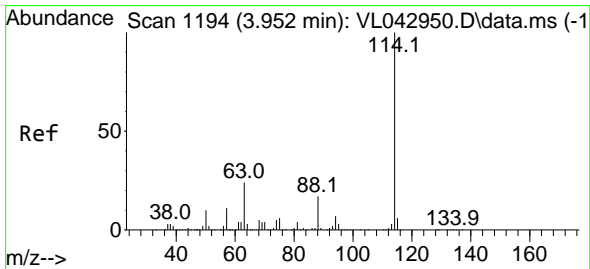
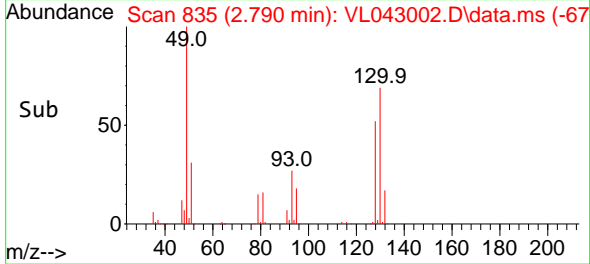
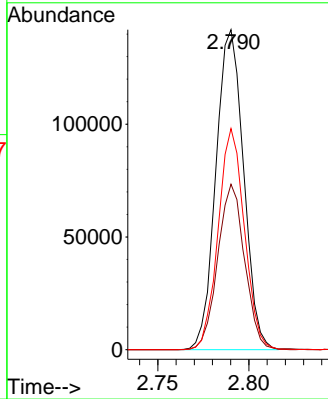
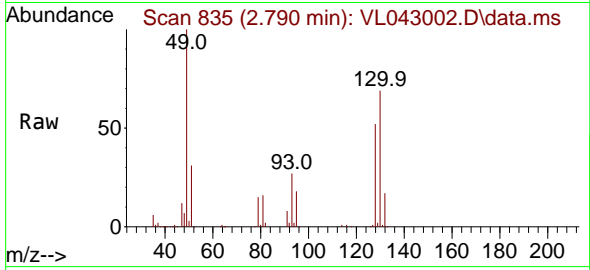


#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 2.790 min Scan# 81  
 Delta R.T. 0.006 min  
 Lab File: VL043002.D  
 Acq: 24 Sep 2025 09:51

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABL01

Tgt Ion: 49 Resp: 149932

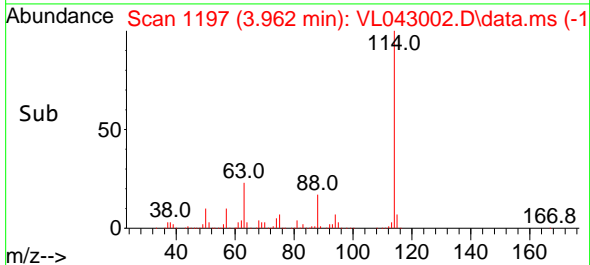
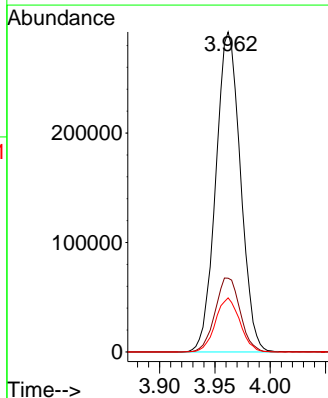
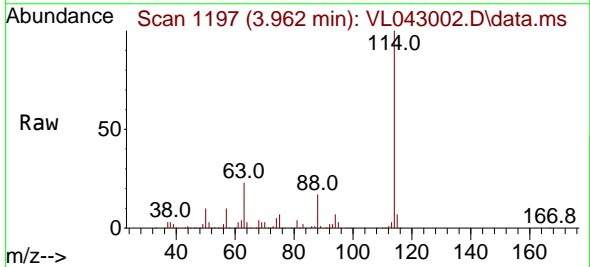
Ion	Ratio	Lower	Upper
49	100		
128	50.2	22.9	68.8
130	65.6	29.1	87.3

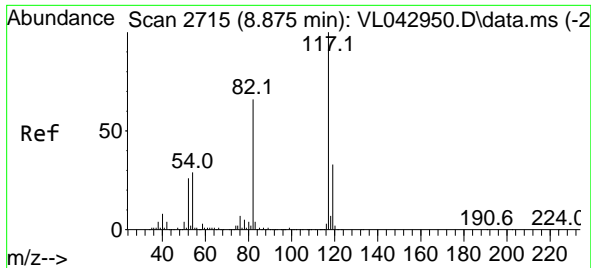


#33  
 1,4-Difluorobenzene  
 Concen: 10.000 ppbv  
 RT: 3.962 min Scan# 1197  
 Delta R.T. 0.010 min  
 Lab File: VL043002.D  
 Acq: 24 Sep 2025 09:51

Tgt Ion: 114 Resp: 453605

Ion	Ratio	Lower	Upper
114	100		
63	23.4	19.4	29.2
88	16.7	14.2	21.2



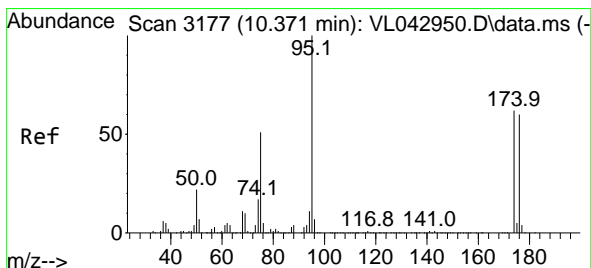
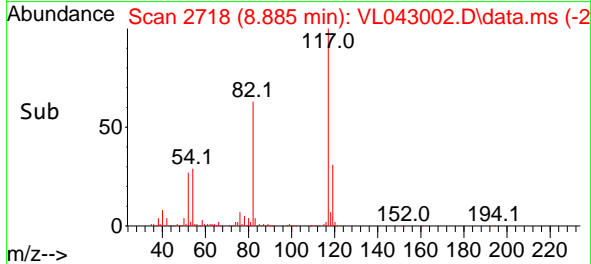
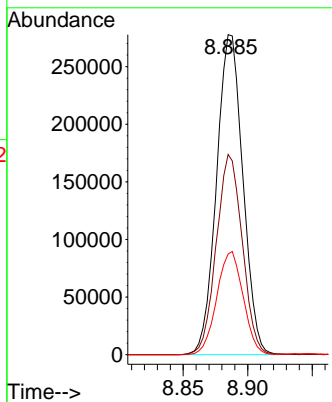
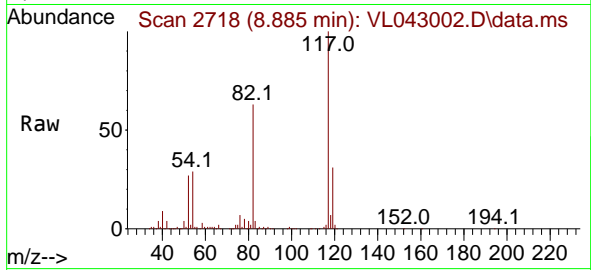


#55  
 Chlorobenzene-d5  
 Concen: 10.000 ppbv  
 RT: 8.885 min Scan# 21  
 Delta R.T. 0.010 min  
 Lab File: VL043002.D  
 Acq: 24 Sep 2025 09:51

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0924ABL01

Tgt Ion: 117 Resp: 394017

Ion	Ratio	Lower	Upper
117	100		
82	61.9	52.8	79.2
119	32.4	26.5	39.7



#68  
 1-Bromo-4-Fluorobenzene  
 Concen: 9.924 ppbv  
 RT: 10.380 min Scan# 3180  
 Delta R.T. 0.010 min  
 Lab File: VL043002.D  
 Acq: 24 Sep 2025 09:51

Tgt Ion: 95 Resp: 291883

Ion	Ratio	Lower	Upper
95	100		
174	71.6	51.4	77.2
175	5.6	4.0	6.0

