

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043102.D
 Acq On : 10 Oct 2025 07:46
 Operator : SY/MD
 Sample : Q3320-02DL 200X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Oct 10 08:19:27 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)

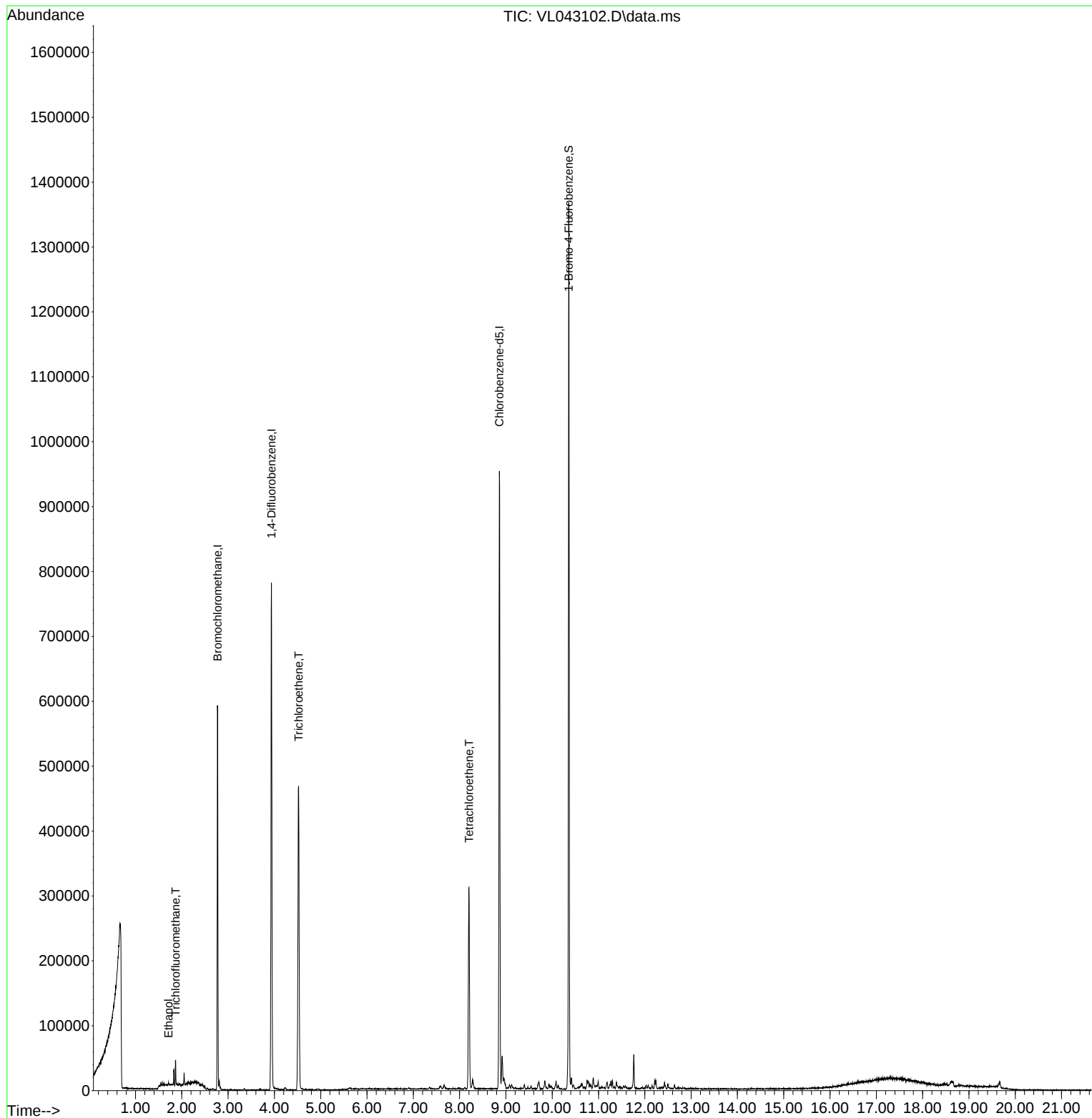
Internal Standards						
1) Bromochloromethane	2.771	49	154952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	402038	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.859	117	367716	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.357	95	313406	11.831	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	118.300%
Target Compounds						
					Qvalue	
11) Trichlorofluoromethane	1.868	101	10100	0.376	ppbv	97
13) Ethanol	1.712	45	969	1.355	ppbv	77
38) Trichloroethene	4.522	130	127016	7.938	ppbv	94
52) Tetrachloroethene	8.202	164	54422	3.826	ppbv	95

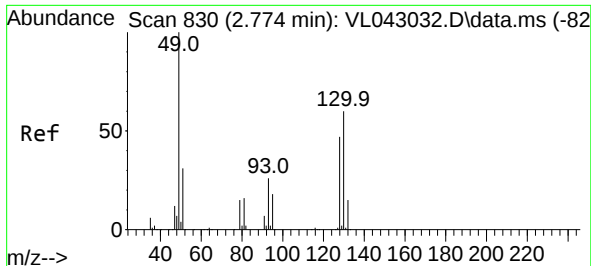
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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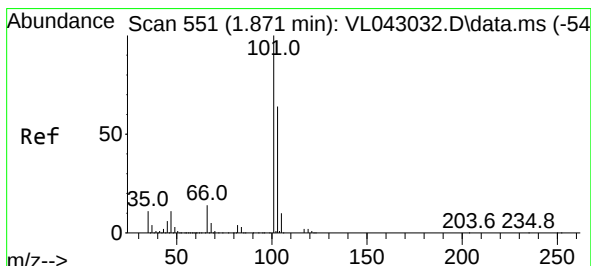
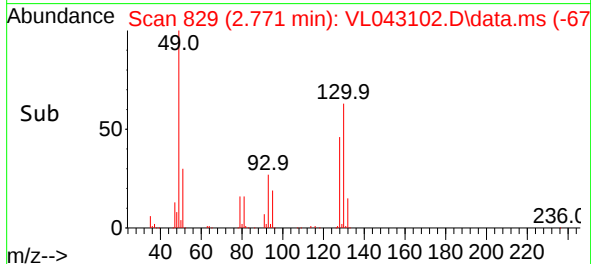
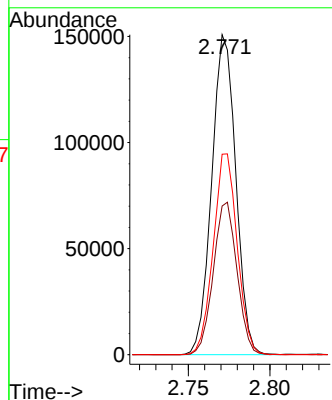
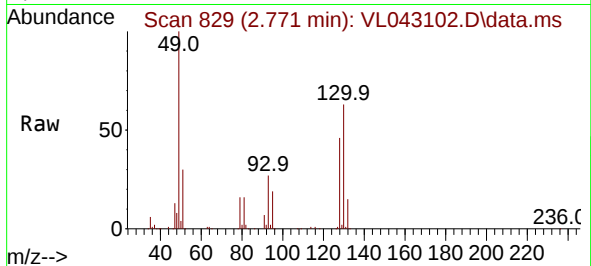




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.771 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043102.D
Acq: 10 Oct 2025 07:46

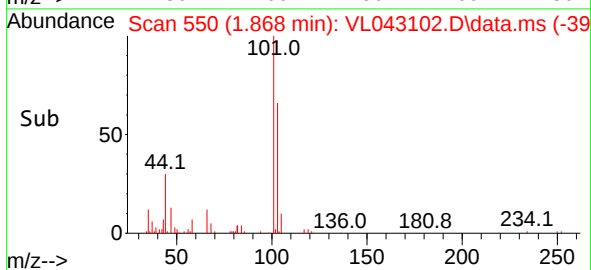
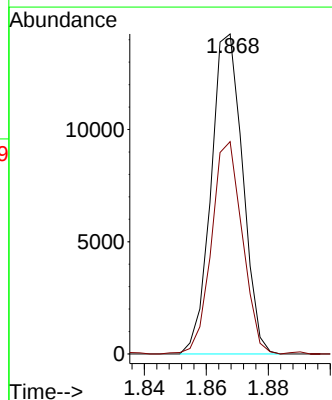
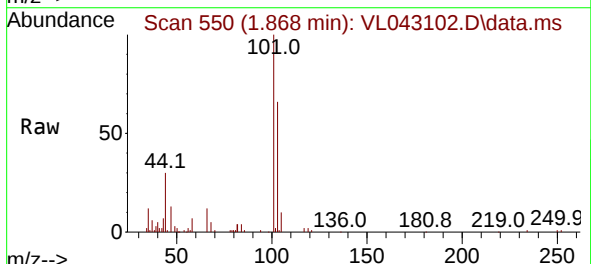
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

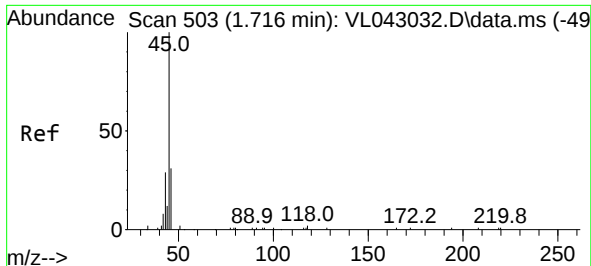
Tgt Ion: 49 Resp: 154952
Ion Ratio Lower Upper
49 100
128 47.0 24.1 72.2
130 62.5 31.4 94.3



#11
Trichlorofluoromethane
Concen: 0.376 ppbv
RT: 1.868 min Scan# 550
Delta R.T. -0.003 min
Lab File: VL043102.D
Acq: 10 Oct 2025 07:46

Tgt Ion:101 Resp: 10100
Ion Ratio Lower Upper
101 100
103 66.4 51.1 76.7

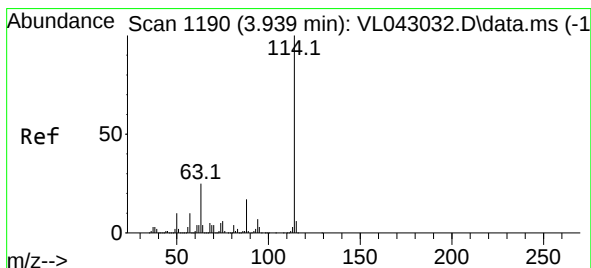
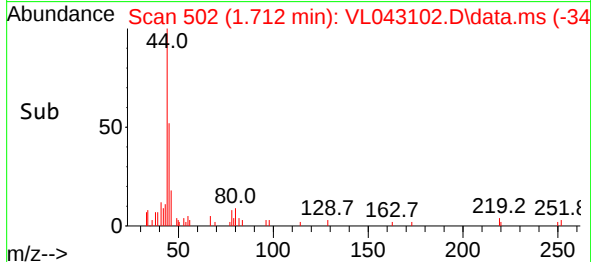
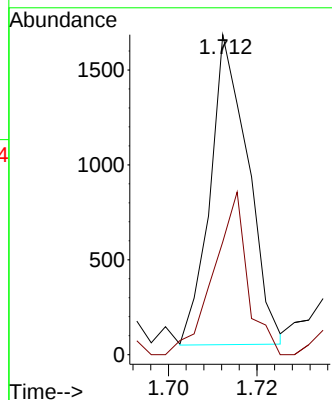
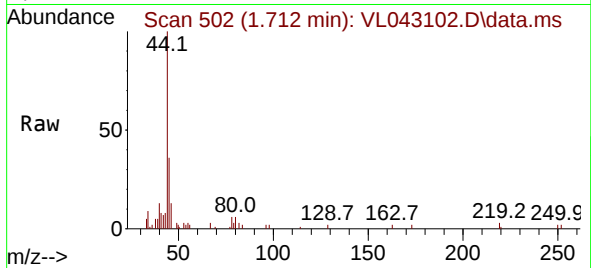




#13
 Ethanol
 Concen: 1.355 ppbv
 RT: 1.712 min Scan# 50
 Delta R.T. -0.004 min
 Lab File: VL043102.D
 Acq: 10 Oct 2025 07:46

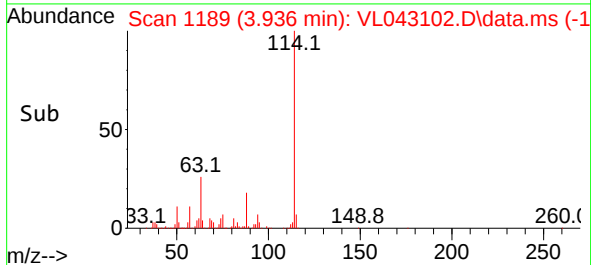
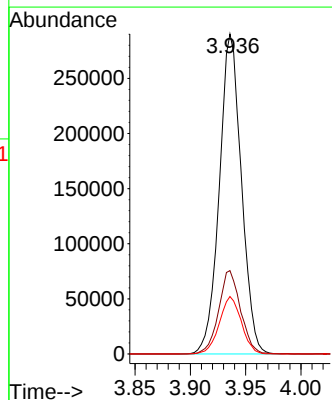
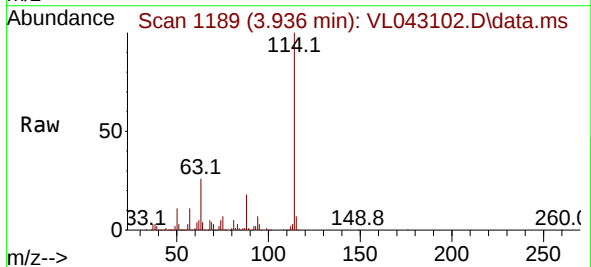
Instrument :
 MSVOA_1
 ClientSampleId :
 SV1DL

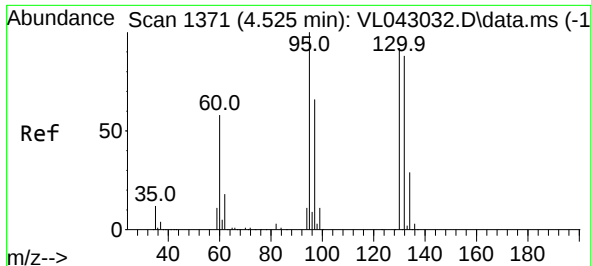
Tgt Ion: 45 Resp: 969
 Ion Ratio Lower Upper
 45 100
 46 59.6 17.8 71.4



#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.936 min Scan# 1189
 Delta R.T. -0.003 min
 Lab File: VL043102.D
 Acq: 10 Oct 2025 07:46

Tgt Ion: 114 Resp: 402038
 Ion Ratio Lower Upper
 114 100
 63 26.0 19.4 29.2
 88 17.9 13.9 20.9



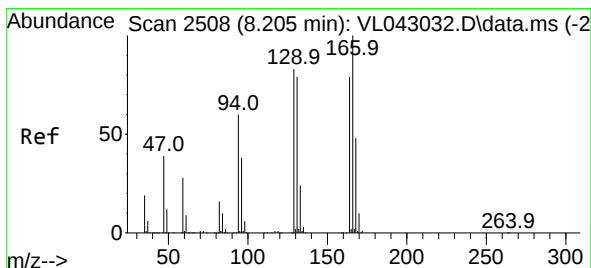
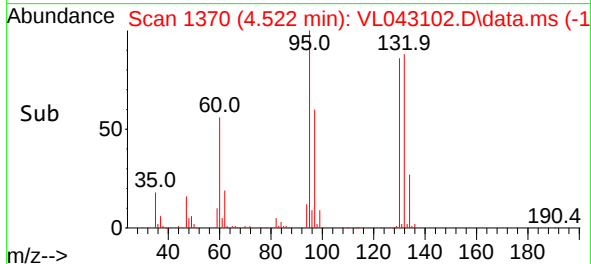
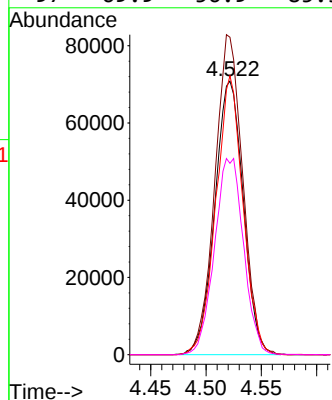
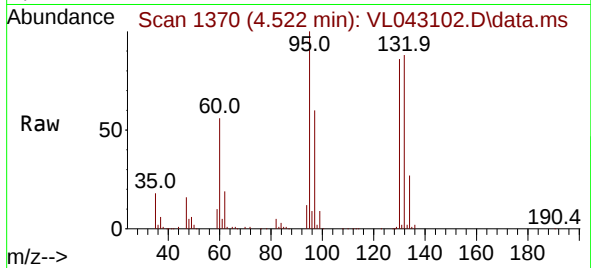


#38
 Trichloroethene
 Concen: 7.938 ppbv
 RT: 4.522 min Scan# 11
 Delta R.T. -0.003 min
 Lab File: VL043102.D
 Acq: 10 Oct 2025 07:46

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion:130 Resp: 127016

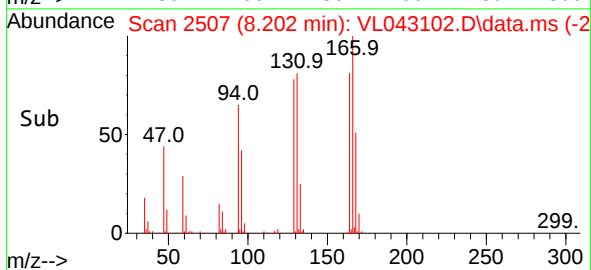
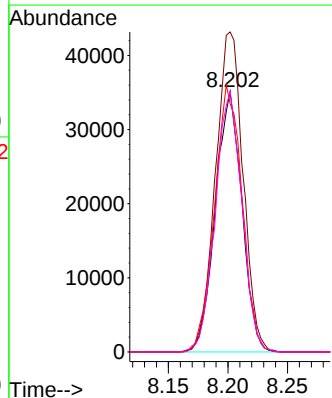
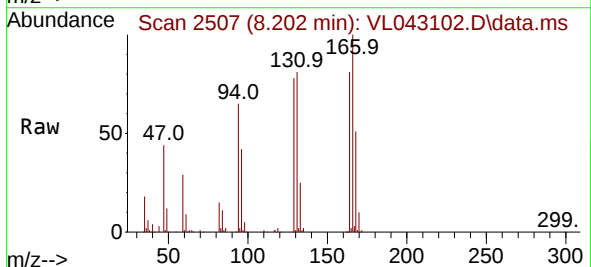
Ion	Ratio	Lower	Upper
130	100		
95	115.8	86.4	129.6
132	101.8	75.7	113.5
97	69.9	56.9	85.3

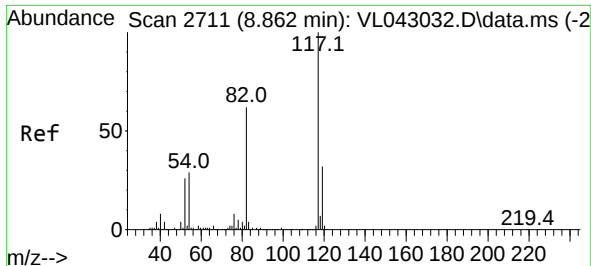


#52
 Tetrachloroethene
 Concen: 3.826 ppbv
 RT: 8.202 min Scan# 2507
 Delta R.T. -0.003 min
 Lab File: VL043102.D
 Acq: 10 Oct 2025 07:46

Tgt Ion:164 Resp: 54422

Ion	Ratio	Lower	Upper
164	100		
166	122.9	101.8	152.8
129	95.4	84.5	126.7
131	100.0	80.9	121.3

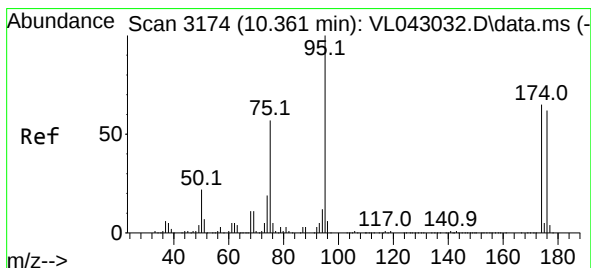
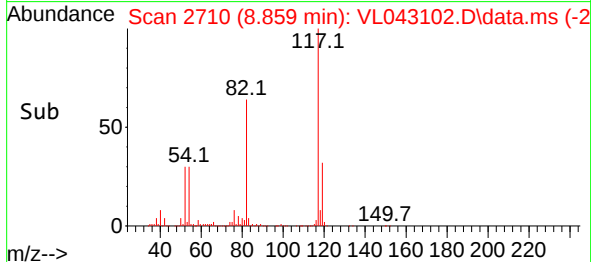
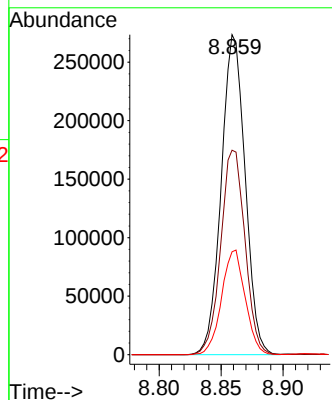
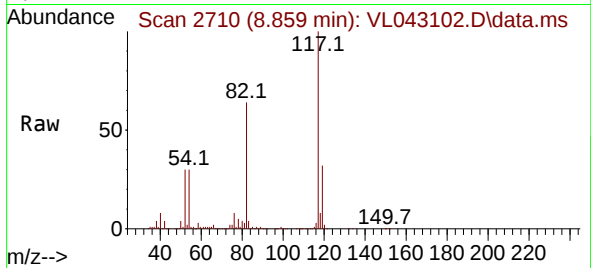




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.859 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL043102.D
Acq: 10 Oct 2025 07:46

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion:117 Resp: 367716
Ion Ratio Lower Upper
117 100
82 64.8 53.0 79.6
119 32.3 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 11.831 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043102.D
Acq: 10 Oct 2025 07:46

Tgt Ion: 95 Resp: 313406
Ion Ratio Lower Upper
95 100
174 63.7 52.3 78.5
175 4.8 3.8 5.8

