

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042912.D
 Acq On : 08 Sep 2025 20:33
 Operator : SY/MD
 Sample : VIBLK
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 09 00:59:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

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

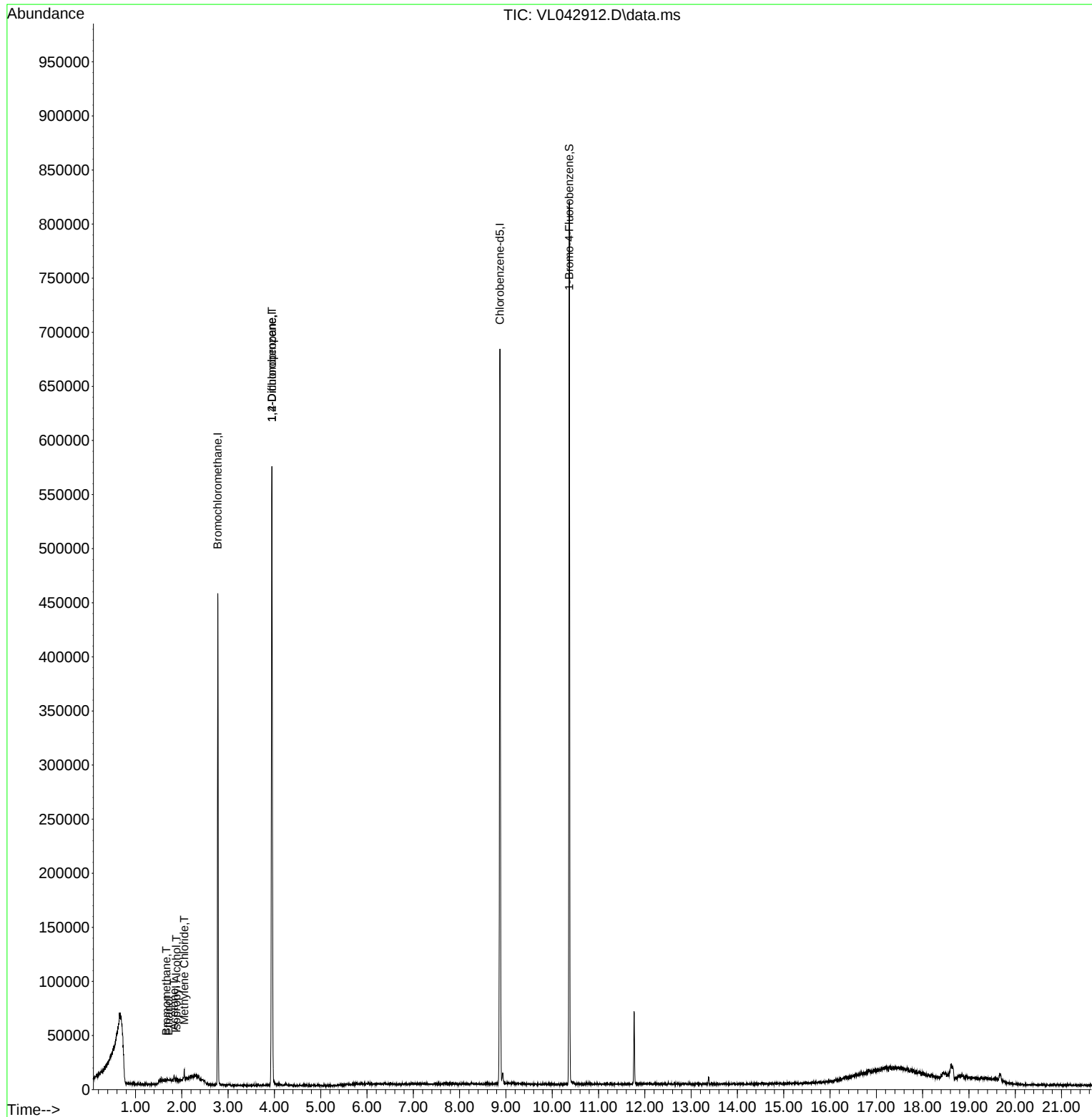
Internal Standards						
1) Bromochloromethane	2.777	49	130818	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	309319	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.868	117	268276	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	196780	9.780	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.800%
Target Compounds						
					Qvalue	
6) Bromomethane	1.667	94	99	0.032	ppbv #	4
13) Ethanol	1.712	45	155	0.185	ppbv #	32
15) Acetone	1.832	43	2456	0.142	ppbv #	89
19) Isopropyl Alcohol	1.881	45	777	0.075	ppbv #	34
20) Methylene Chloride	2.055	84	1364	0.188	ppbv #	80
39) 1,2-Dichloropropane	3.946	63	83045	7.677	ppbv #	26

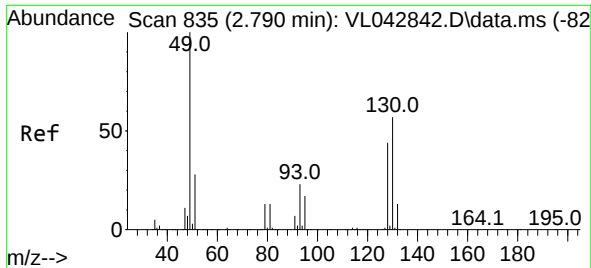
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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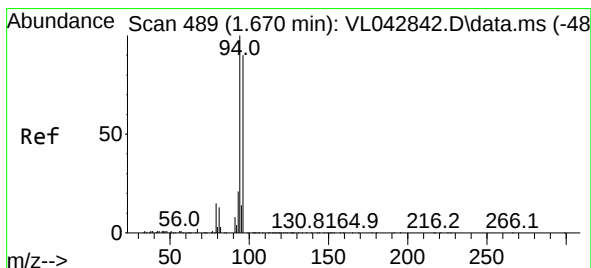
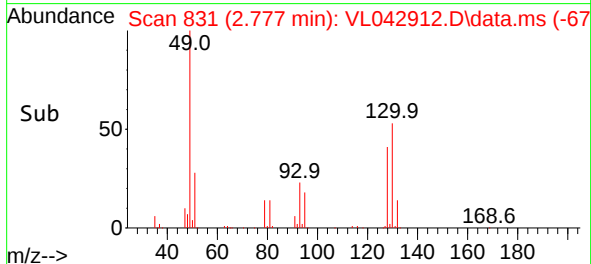
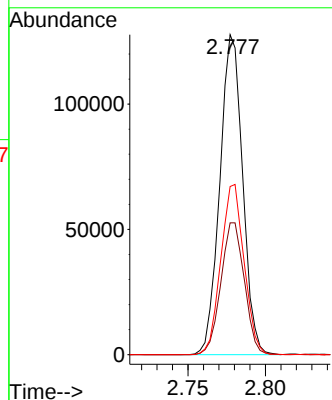
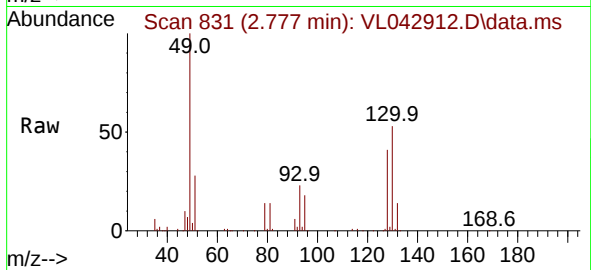




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042912.D
Acq: 08 Sep 2025 20:33

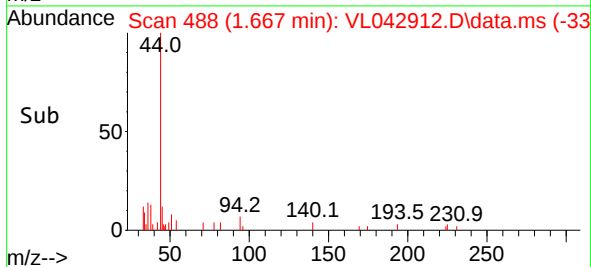
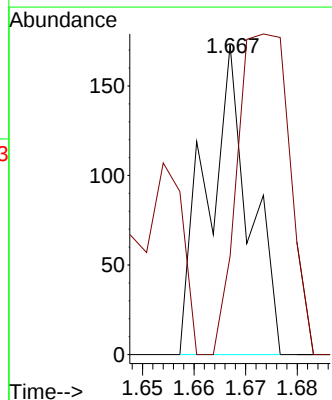
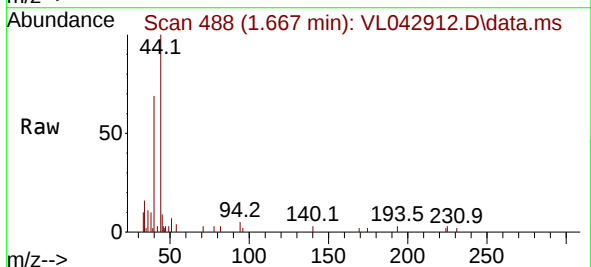
Instrument :
MSVOA_L
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VIBLK

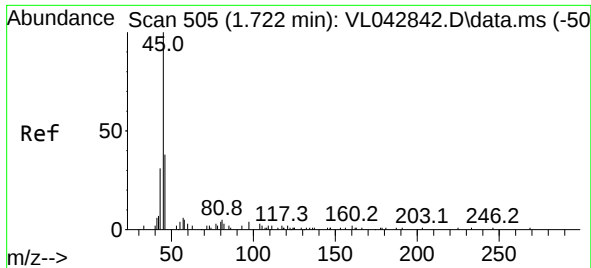
Tgt Ion: 49 Resp: 130818
Ion Ratio Lower Upper
49 100
128 42.4 23.7 71.1
130 54.3 30.6 91.6



#6
Bromomethane
Concen: 0.032 ppbv
RT: 1.667 min Scan# 488
Delta R.T. 0.003 min
Lab File: VL042912.D
Acq: 08 Sep 2025 20:33

Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 0.0 72.1 108.1#

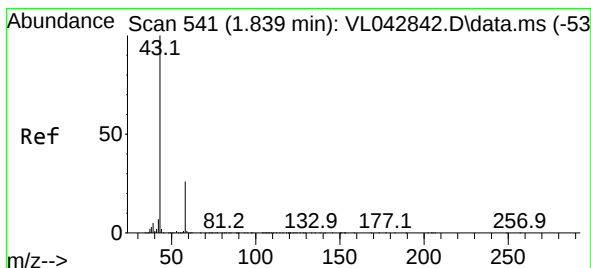
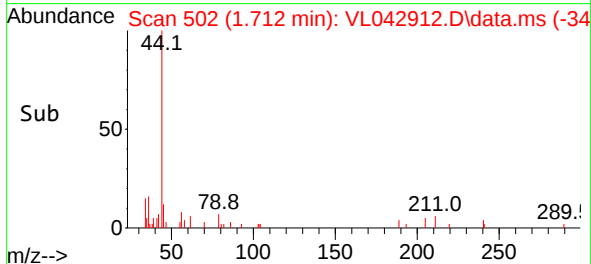
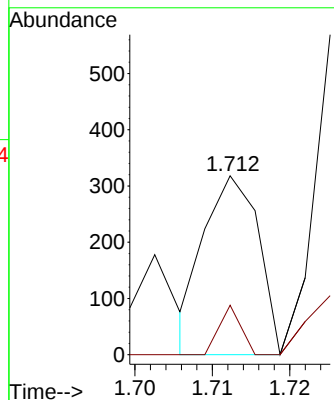
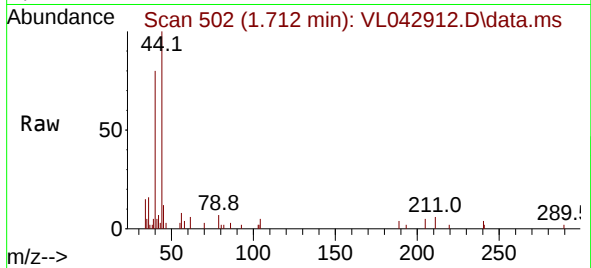




#13
 Ethanol
 Concen: 0.185 ppbv
 RT: 1.712 min Scan# 505
 Delta R.T. -0.003 min
 Lab File: VL042912.D
 Acq: 08 Sep 2025 20:33

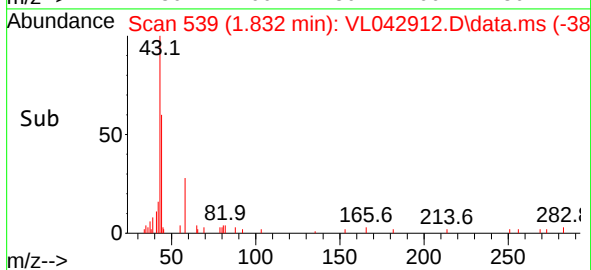
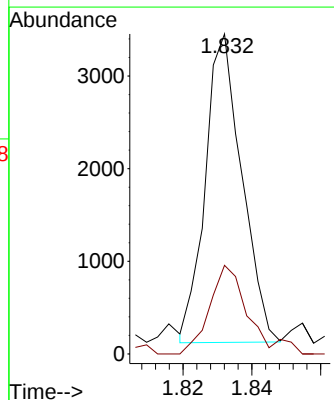
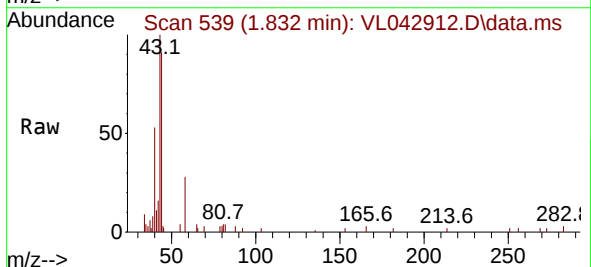
Instrument :
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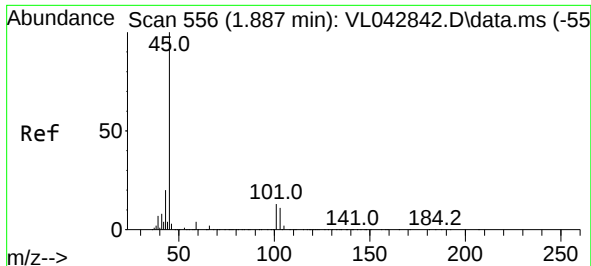
Tgt Ion: 45 Resp: 155
 Ion Ratio Lower Upper
 45 100
 46 0.0 17.5 69.9#



#15
 Acetone
 Concen: 0.142 ppbv
 RT: 1.832 min Scan# 539
 Delta R.T. 0.003 min
 Lab File: VL042912.D
 Acq: 08 Sep 2025 20:33

Tgt Ion: 43 Resp: 2456
 Ion Ratio Lower Upper
 43 100
 58 33.8 22.4 33.6#

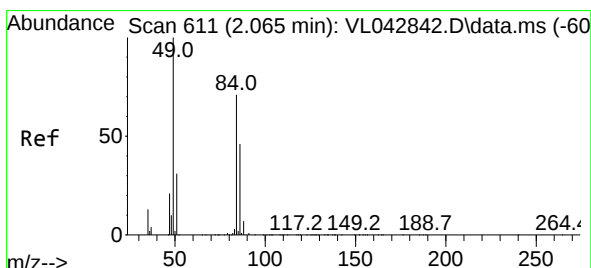
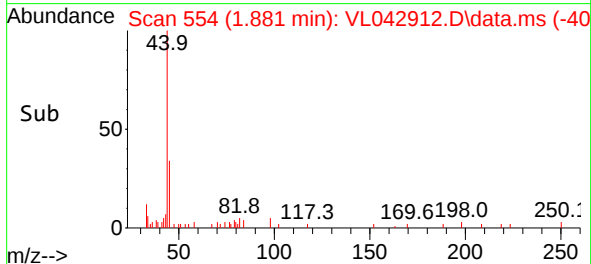
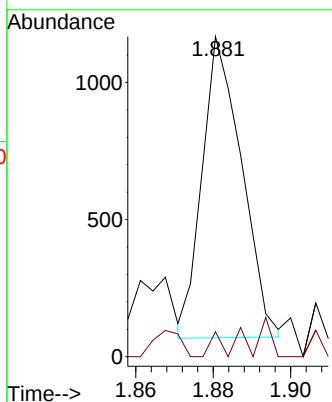
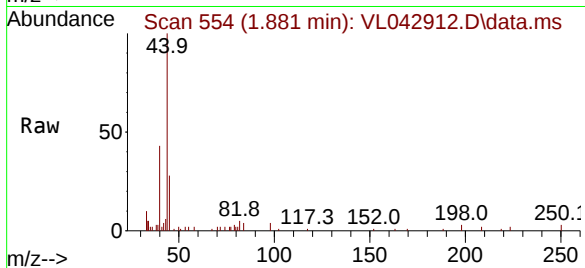




#19
Isopropyl Alcohol
Concen: 0.075 ppbv
RT: 1.881 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL042912.D
Acq: 08 Sep 2025 20:33

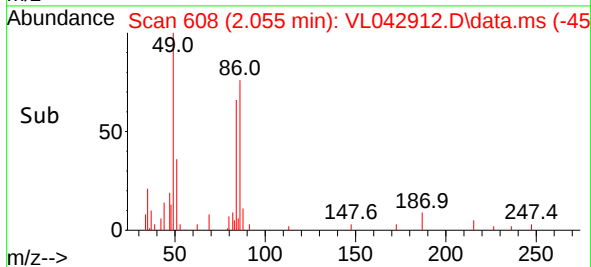
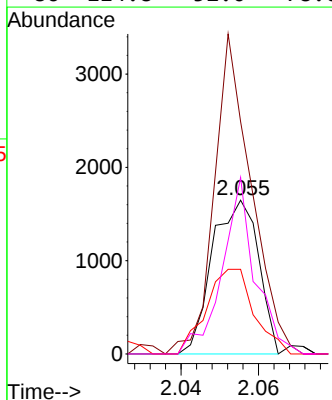
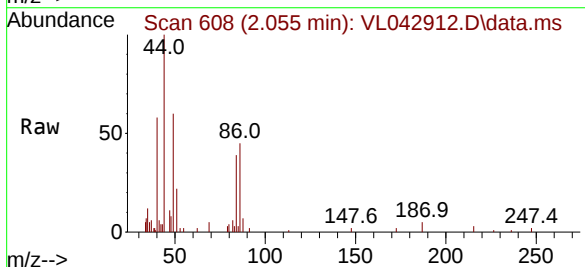
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

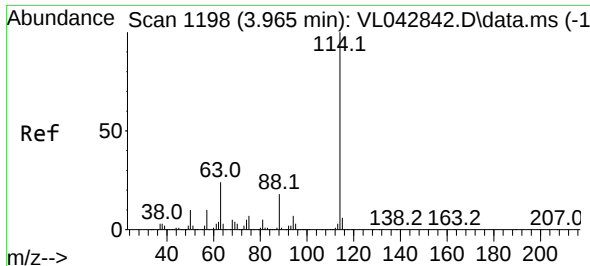
Tgt Ion: 45 Resp: 777
Ion Ratio Lower Upper
45 100
58 0.0 32.7 49.1#



#20
Methylene Chloride
Concen: 0.188 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.000 min
Lab File: VL042912.D
Acq: 08 Sep 2025 20:33

Tgt Ion: 84 Resp: 1364
Ion Ratio Lower Upper
84 100
49 143.0 112.3 168.5
51 55.0 36.0 54.0#
86 114.8 52.0 78.0#

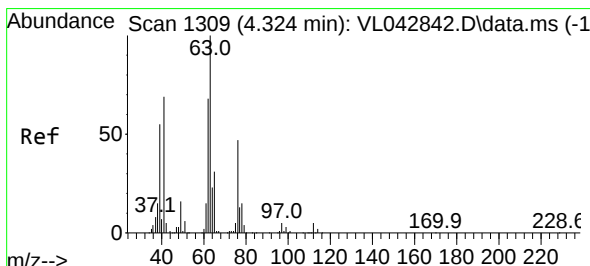
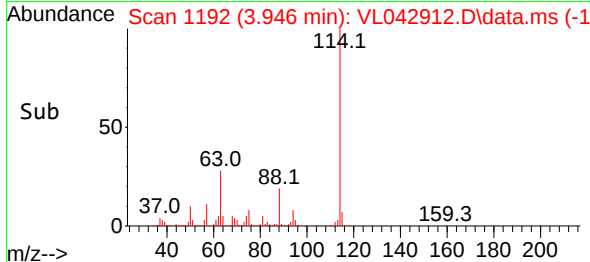
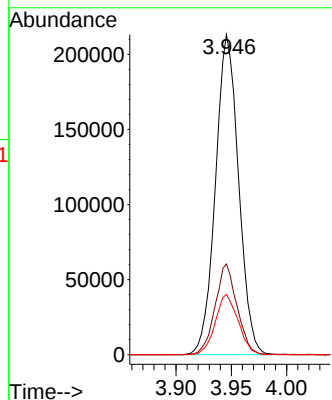
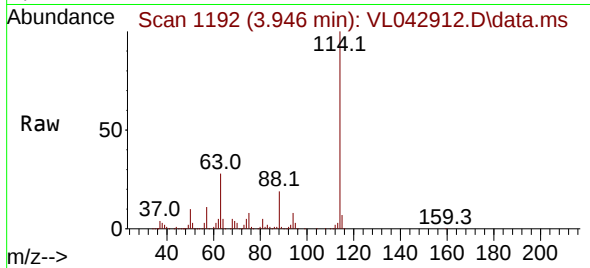




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.946 min Scan# 1192
 Delta R.T. 0.003 min
 Lab File: VL042912.D
 Acq: 08 Sep 2025 20:33

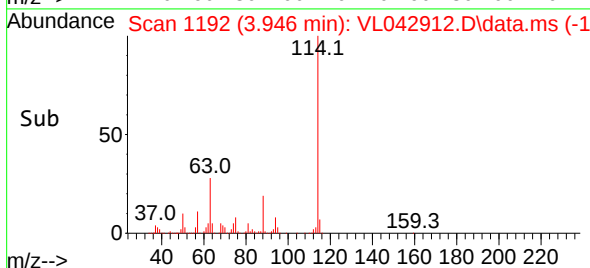
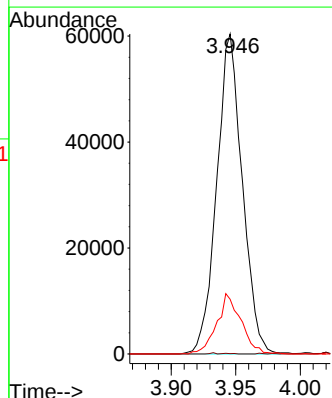
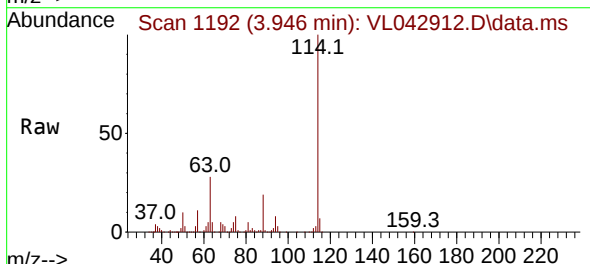
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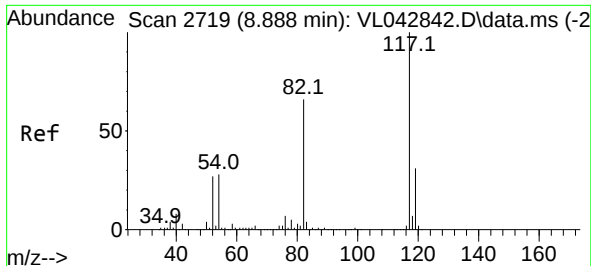
Tgt Ion:114 Resp: 309319
 Ion Ratio Lower Upper
 114 100
 63 27.0 19.7 29.5
 88 18.6 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.677 ppbv
 RT: 3.946 min Scan# 1192
 Delta R.T. -0.353 min
 Lab File: VL042912.D
 Acq: 08 Sep 2025 20:33

Tgt Ion: 63 Resp: 83045
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.0 82.4#
 62 17.1 54.4 81.6#

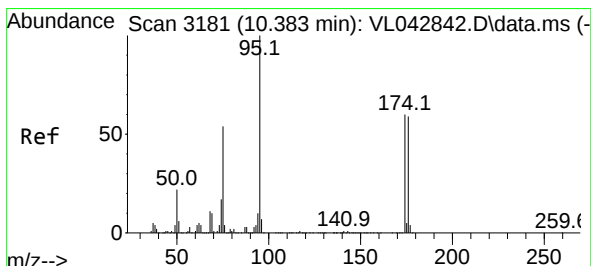
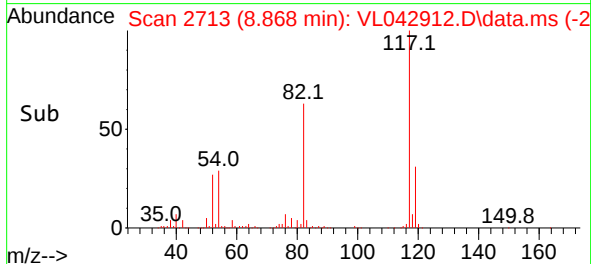
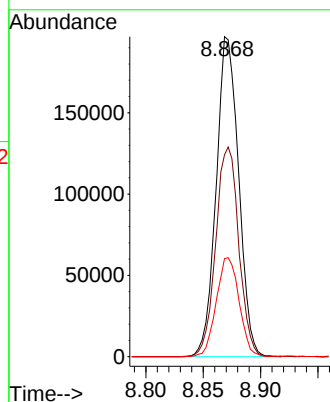
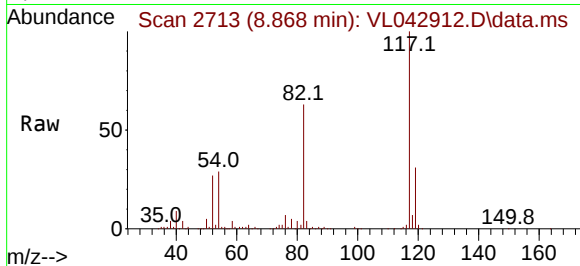




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.868 min Scan# 21
Delta R.T. -0.000 min
Lab File: VL042912.D
Acq: 08 Sep 2025 20:33

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 268276
Ion Ratio Lower Upper
117 100
82 67.2 54.6 81.8
119 31.6 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.780 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. 0.003 min
Lab File: VL042912.D
Acq: 08 Sep 2025 20:33

Tgt Ion: 95 Resp: 196780
Ion Ratio Lower Upper
95 100
174 56.3 48.4 72.6
175 4.0 3.8 5.8

