

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040225\
 Data File : VL042212.D
 Acq On : 02 Apr 2025 11:32
 Operator : SY/MD
 Sample : VL0402ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 03 01:42:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Mar 28 02:00:52 2025
 Response via : Initial Calibration

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

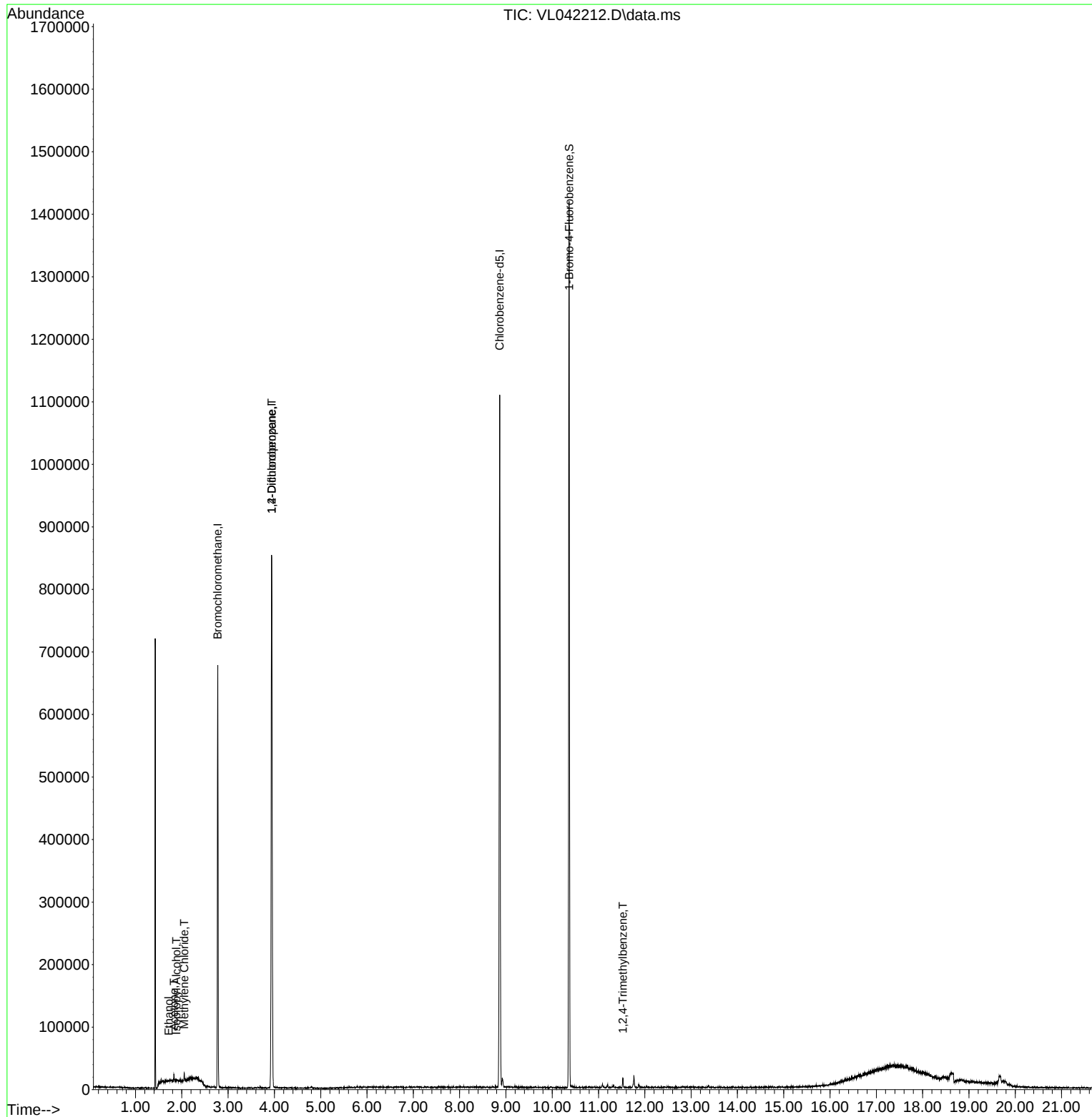
Internal Standards						
1) Bromochloromethane	2.774	49	176964	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	497441	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	439004	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	350402	9.719	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	150	0.130	ppbv #	27
15) Acetone	1.832	43	4453	0.180	ppbv	90
19) Isopropyl Alcohol	1.881	45	807	0.058	ppbv #	30
20) Methylene Chloride	2.056	84	1705	0.185	ppbv #	81
39) 1,2-Dichloropropane	3.942	63	128954	7.180	ppbv #	24
74) 1,2,4-Trimethylbenzene	11.526	105	5123	0.066	ppbv #	64

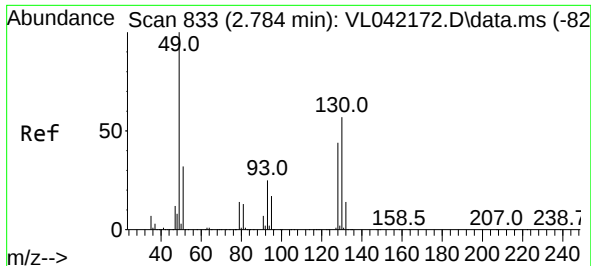
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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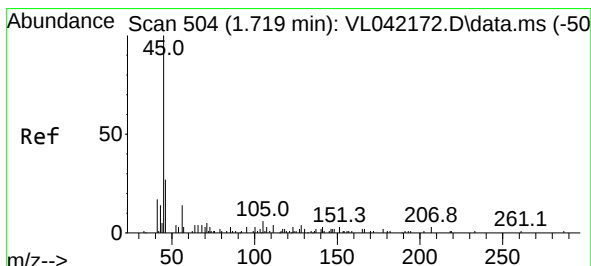
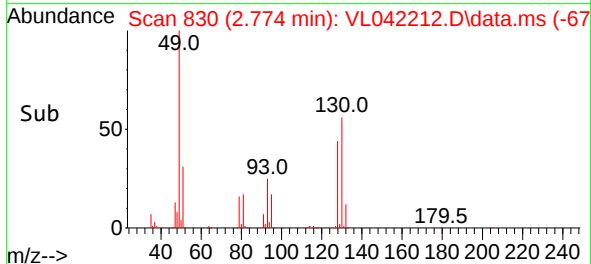
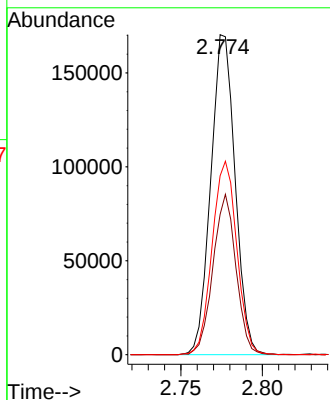
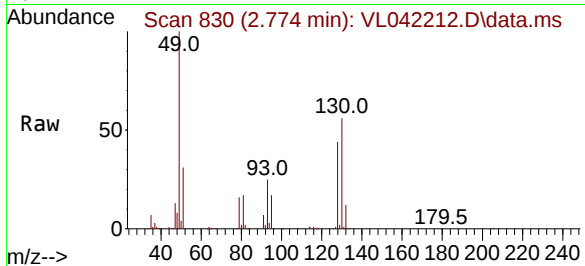




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.010 min
Lab File: VL042212.D
Acq: 02 Apr 2025 11:32

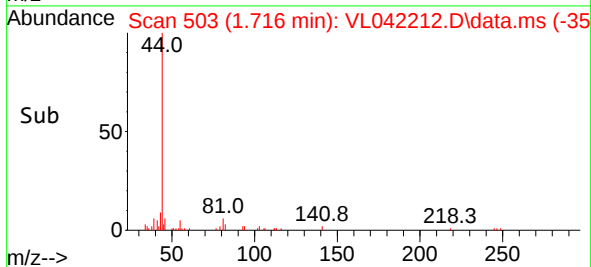
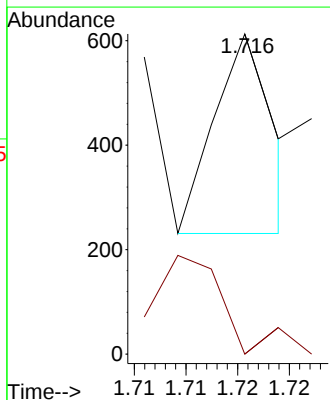
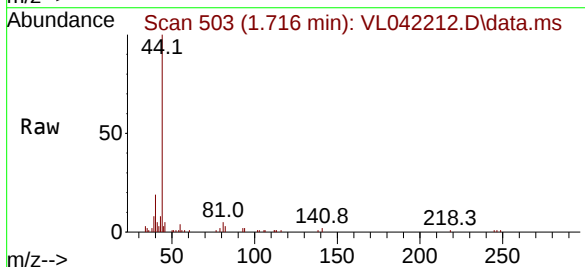
Instrument :
MSVOA_L
ClientSampleId :

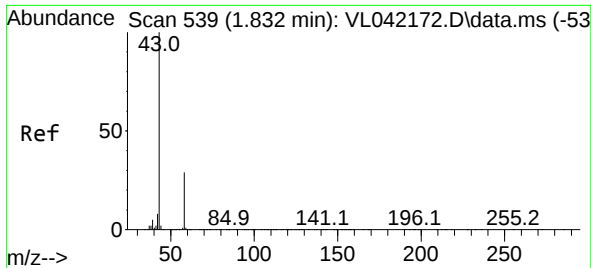
Tgt Ion: 49 Resp: 176964
Ion Ratio Lower Upper
49 100
128 47.3 22.9 68.5
130 61.3 28.8 86.4



#13
Ethanol
Concen: 0.130 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.003 min
Lab File: VL042212.D
Acq: 02 Apr 2025 11:32

Tgt Ion: 45 Resp: 150
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





#15

Acetone

Concen: 0.180 ppbv

RT: 1.832 min Scan# 51

Delta R.T. -0.000 min

Lab File: VL042212.D

Acq: 02 Apr 2025 11:32

Instrument :

MSVOA_L

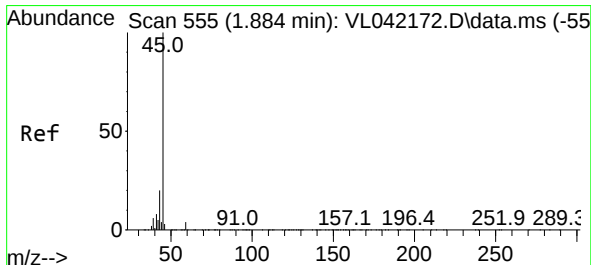
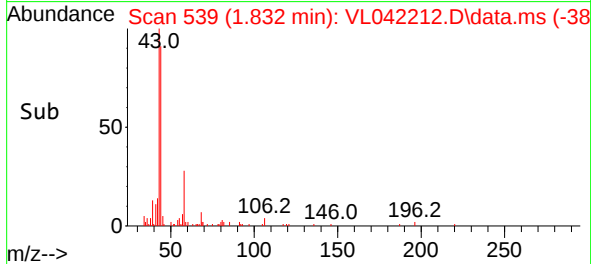
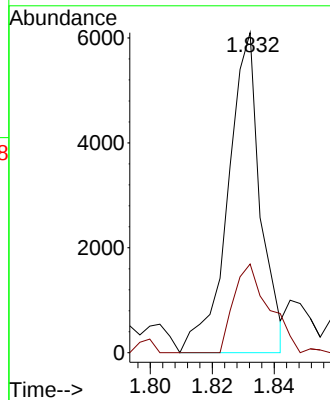
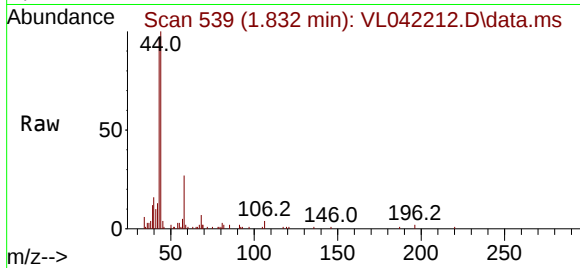
ClientSampleId :

Tgt Ion: 43 Resp: 4453

Ion Ratio Lower Upper

43 100

58 34.2 23.2 34.8



#19

Isopropyl Alcohol

Concen: 0.058 ppbv

RT: 1.881 min Scan# 554

Delta R.T. -0.003 min

Lab File: VL042212.D

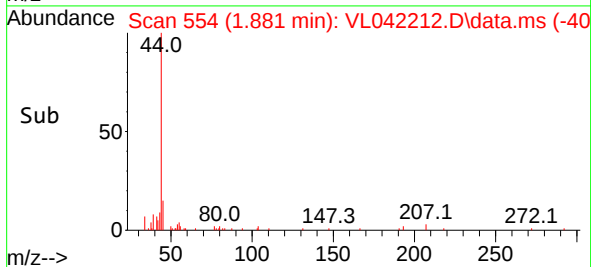
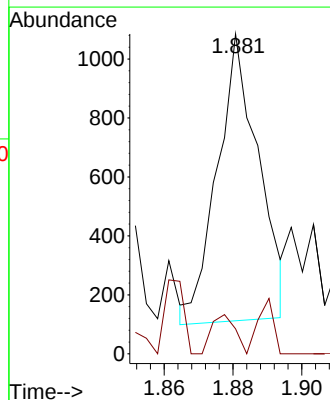
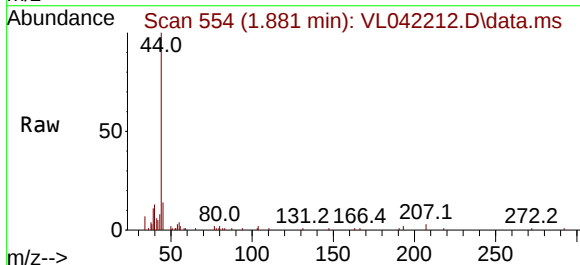
Acq: 02 Apr 2025 11:32

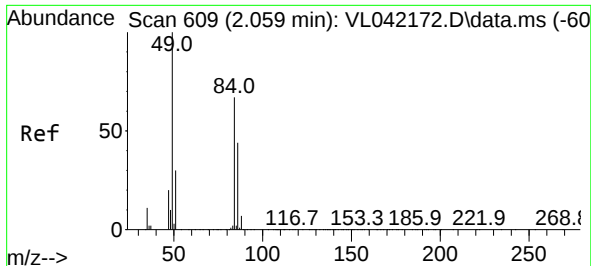
Tgt Ion: 45 Resp: 807

Ion Ratio Lower Upper

45 100

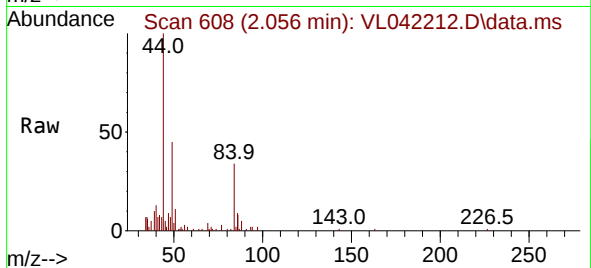
58 0.0 36.9 55.3#



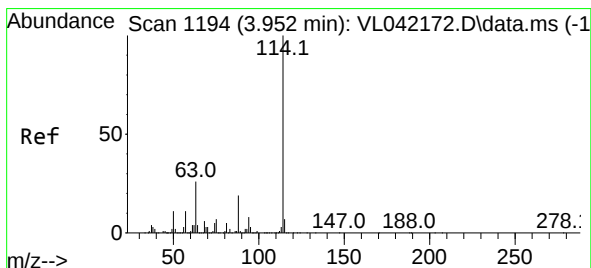
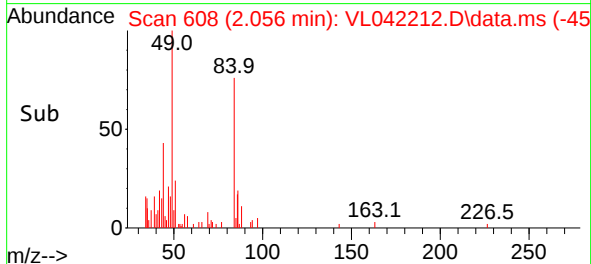
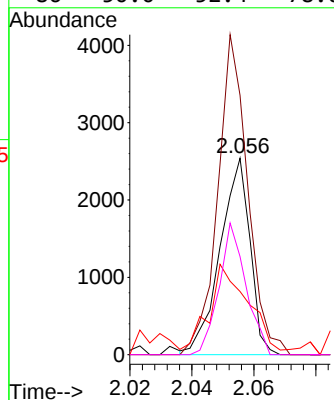


#20
Methylene Chloride
Concen: 0.185 ppbv
RT: 2.056 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042212.D
Acq: 02 Apr 2025 11:32

Instrument :
MSVOA_L
ClientSampleId :

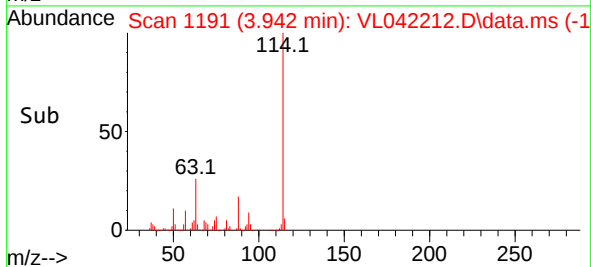
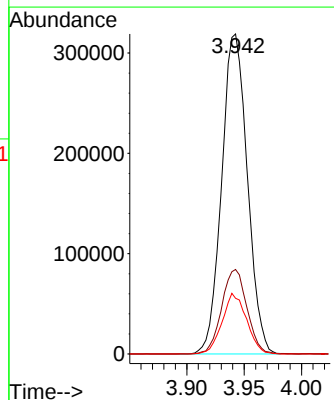
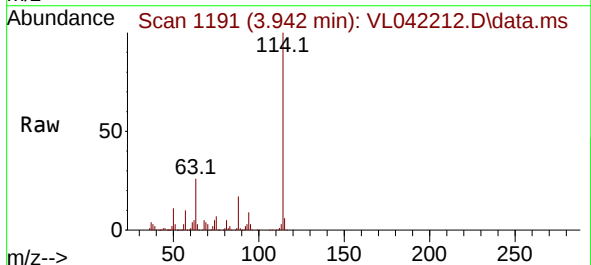


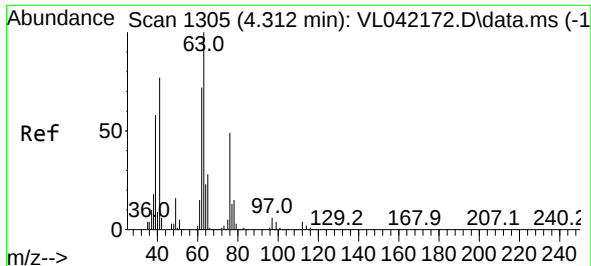
Tgt Ion: 84 Resp: 1705
Ion Ratio Lower Upper
84 100
49 129.3 120.2 180.4
51 29.8 37.4 56.0#
86 50.0 52.4 78.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.942 min Scan# 1191
Delta R.T. -0.010 min
Lab File: VL042212.D
Acq: 02 Apr 2025 11:32

Tgt Ion: 114 Resp: 497441
Ion Ratio Lower Upper
114 100
63 25.9 20.7 31.1
88 18.0 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.180 ppbv

RT: 3.942 min Scan# 1191

Delta R.T. -0.369 min

Lab File: VL042212.D

Acq: 02 Apr 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

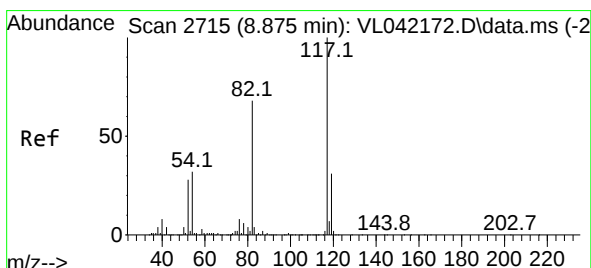
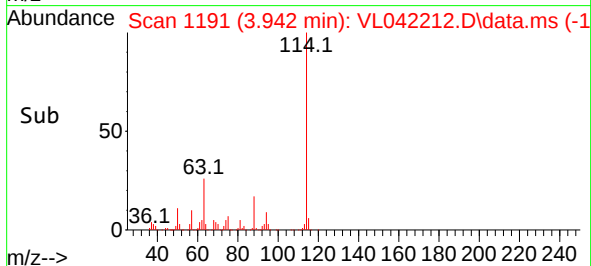
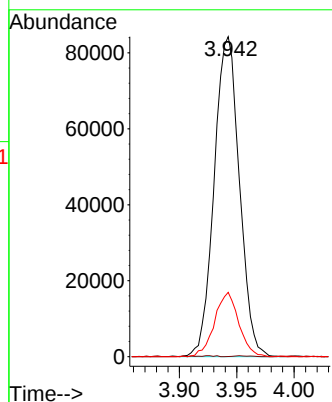
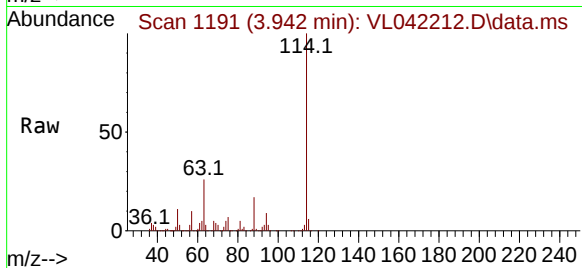
Tgt Ion: 63 Resp: 128954

Ion Ratio Lower Upper

63 100

41 0.0 61.7 92.5#

62 20.1 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.865 min Scan# 2712

Delta R.T. -0.010 min

Lab File: VL042212.D

Acq: 02 Apr 2025 11:32

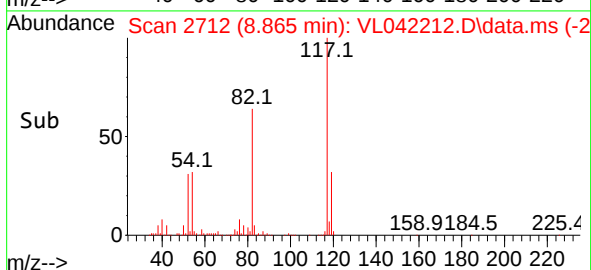
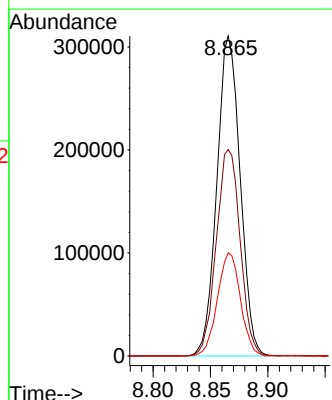
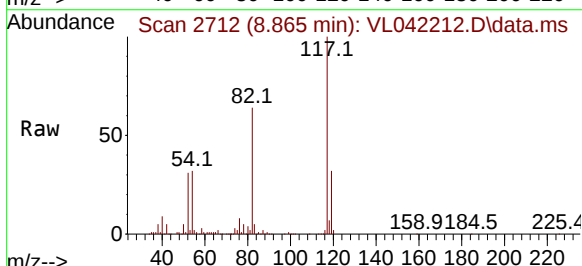
Tgt Ion: 117 Resp: 439004

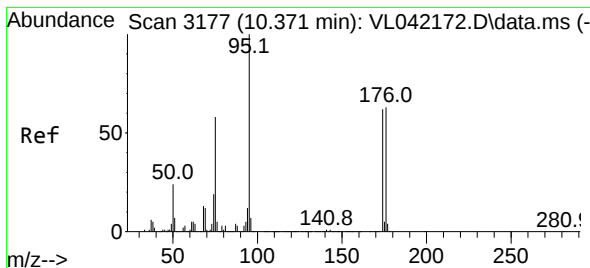
Ion Ratio Lower Upper

117 100

82 66.0 55.8 83.6

119 31.9 25.5 38.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.719 ppbv

RT: 10.364 min Scan# 3175

Delta R.T. -0.007 min

Lab File: VL042212.D

Acq: 02 Apr 2025 11:32

Instrument :

MSVOA_L

ClientSampleId :

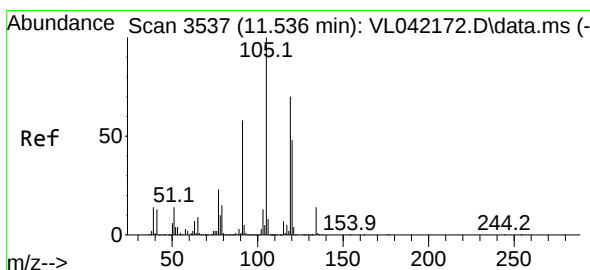
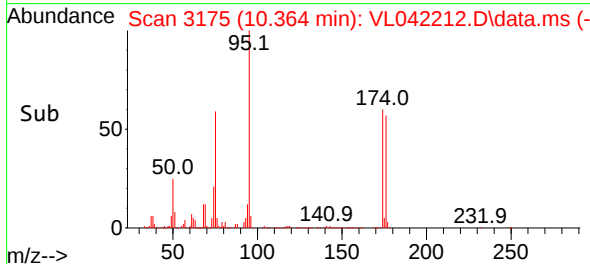
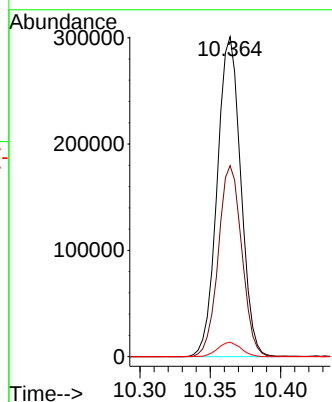
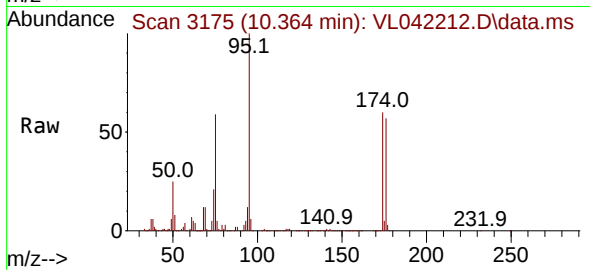
Tgt Ion: 95 Resp: 350402

Ion Ratio Lower Upper

95 100

174 59.9 50.6 76.0

175 4.5 3.8 5.6



#74

1,2,4-Trimethylbenzene

Concen: 0.066 ppbv

RT: 11.526 min Scan# 3534

Delta R.T. -0.010 min

Lab File: VL042212.D

Acq: 02 Apr 2025 11:32

Tgt Ion: 105 Resp: 5123

Ion Ratio Lower Upper

105 100

120 37.8 38.6 58.0#

91 11.8 46.2 69.2#

77 15.3 18.6 27.8#

