

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042111.D
 Acq On : 05 Mar 2025 19:05
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 06 01:11:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Feb 26 01:08:36 2025
 Response via : Initial Calibration

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

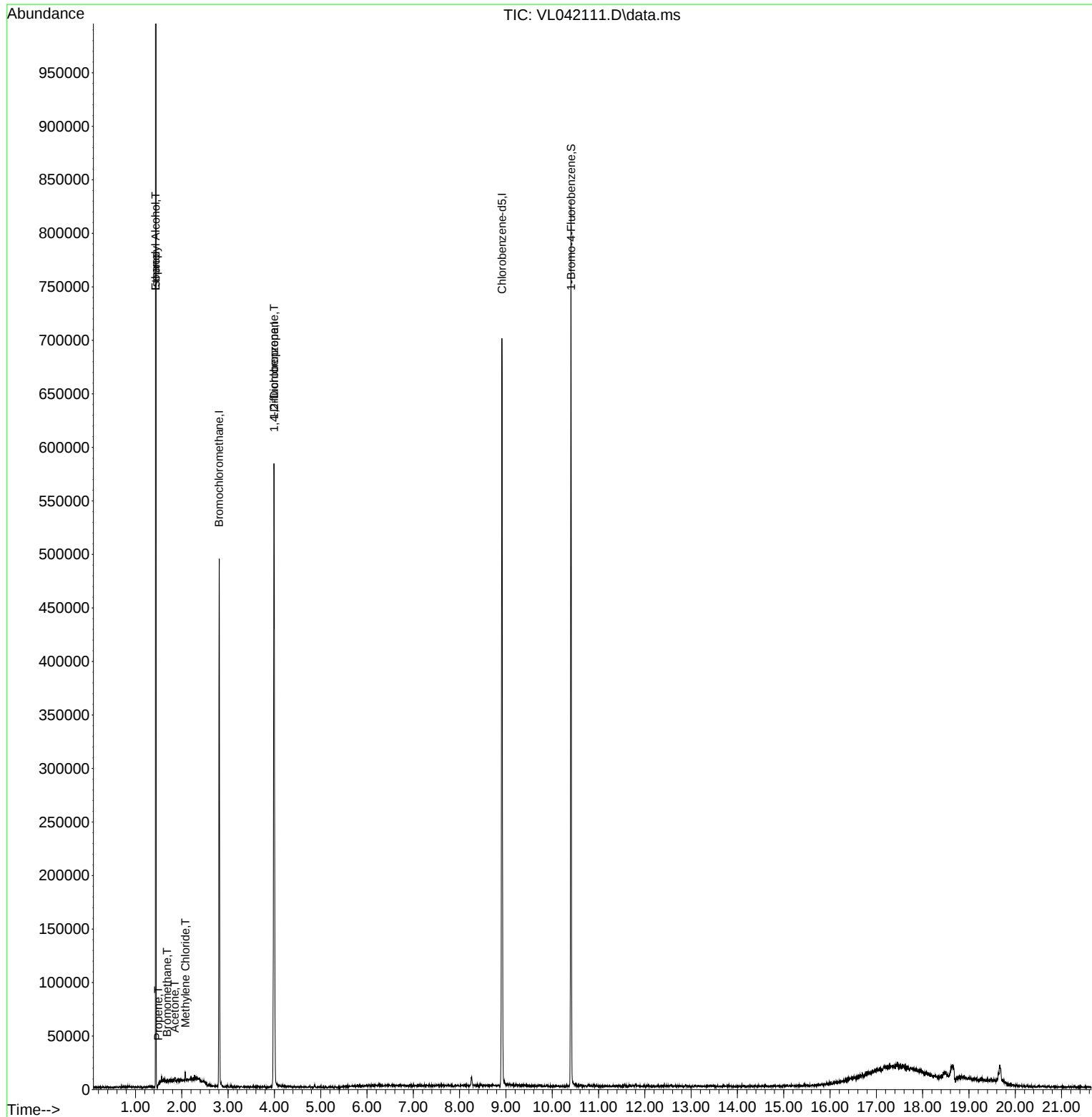
Internal Standards						
1) Bromochloromethane	2.806	49	145865	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.994	114	328140	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.914	117	270960	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	195010	9.355	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.500%
Target Compounds						
					Qvalue	
6) Bromomethane	1.683	94	76	0.030	ppbv #	2
9) Propene	1.492	41	463	0.054	ppbv #	15
13) Ethanol	1.437	45	37341	68.109	ppbv	89
15) Acetone	1.848	43	1787	0.139	ppbv #	59
19) Isopropyl Alcohol	1.437	45	37341	5.047	ppbv #	32
20) Methylene Chloride	2.078	84	1365	0.280	ppbv #	65
39) 1,2-Dichloropropane	3.991	63	85764	6.578	ppbv #	25

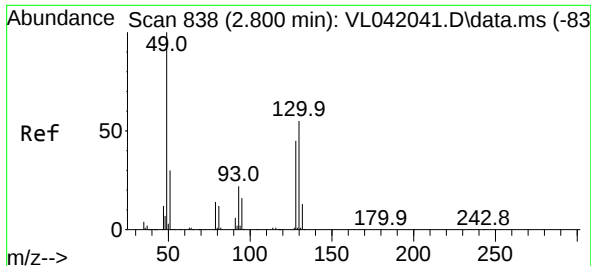
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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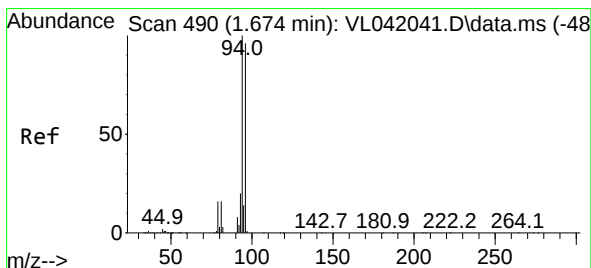
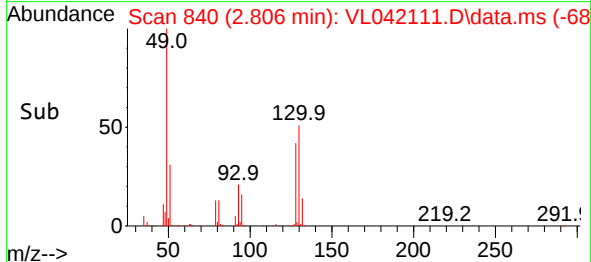
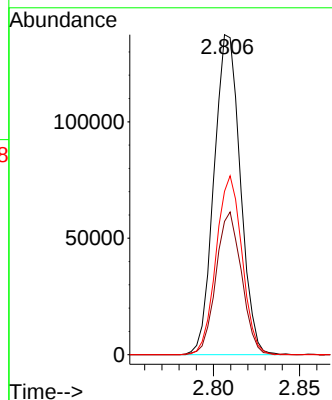
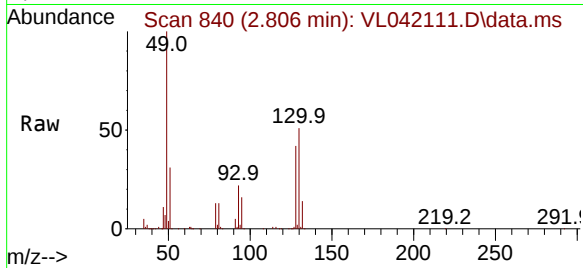




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.806 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL042111.D
Acq: 05 Mar 2025 19:05

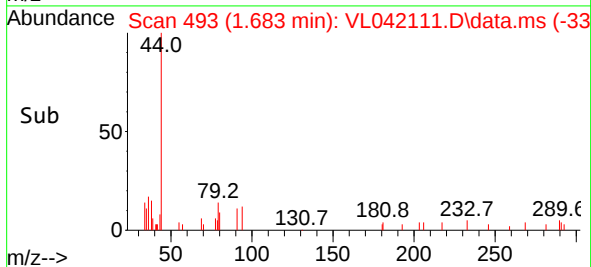
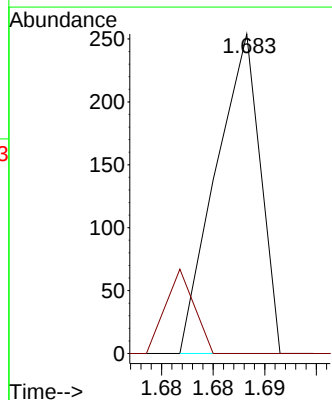
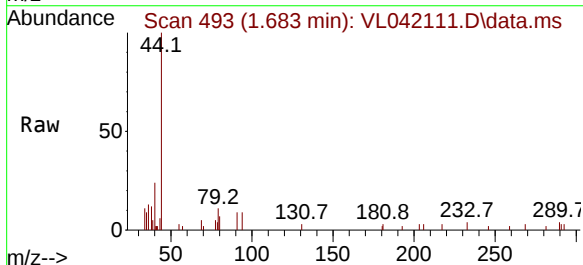
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

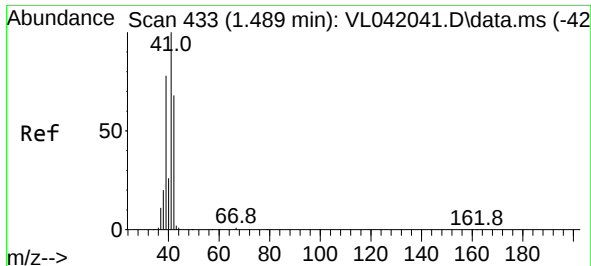
Tgt Ion: 49 Resp: 145865
Ion Ratio Lower Upper
49 100
128 43.4 21.6 64.8
130 55.1 27.8 83.4



#6
Bromomethane
Concen: 0.030 ppbv
RT: 1.683 min Scan# 493
Delta R.T. 0.010 min
Lab File: VL042111.D
Acq: 05 Mar 2025 19:05

Tgt Ion: 94 Resp: 76
Ion Ratio Lower Upper
94 100
96 0.0 76.5 114.7#





#9

Propene

Concen: 0.054 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL042111.D

Acq: 05 Mar 2025 19:05

Instrument :

MSVOA_L

ClientSampleId :

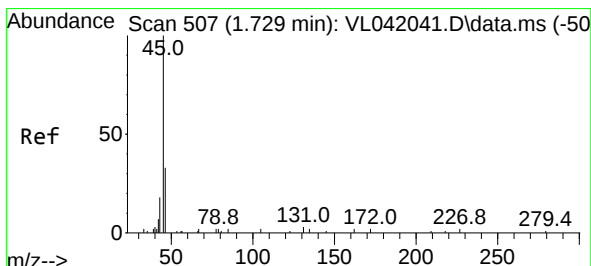
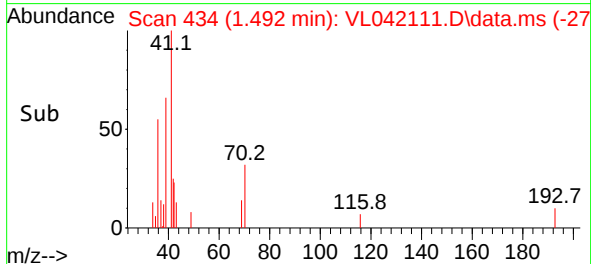
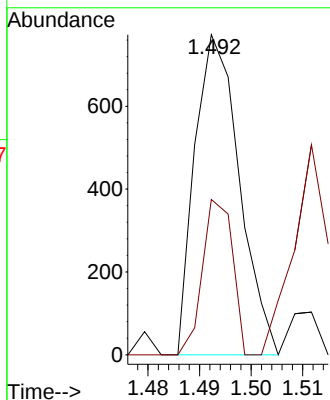
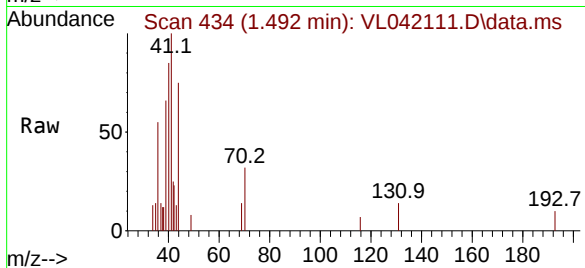
VIBLK

Tgt Ion: 41 Resp: 463

Ion Ratio Lower Upper

41 100

42 0.0 55.8 83.6#



#13

Ethanol

Concen: 68.109 ppbv

RT: 1.437 min Scan# 417

Delta R.T. -0.291 min

Lab File: VL042111.D

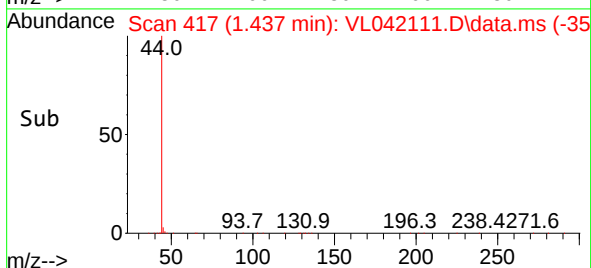
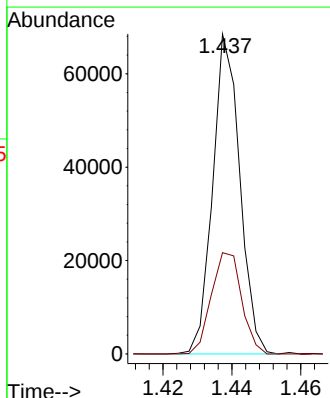
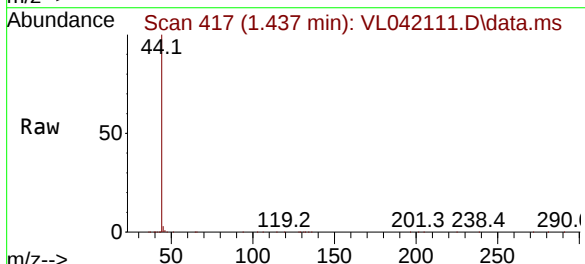
Acq: 05 Mar 2025 19:05

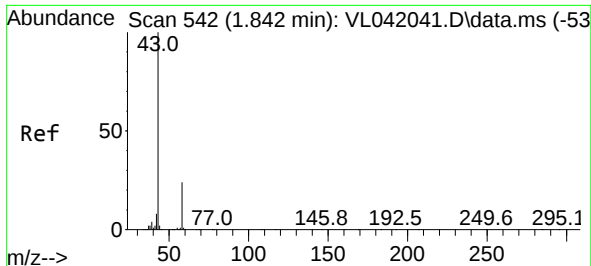
Tgt Ion: 45 Resp: 37341

Ion Ratio Lower Upper

45 100

46 35.5 17.1 68.3

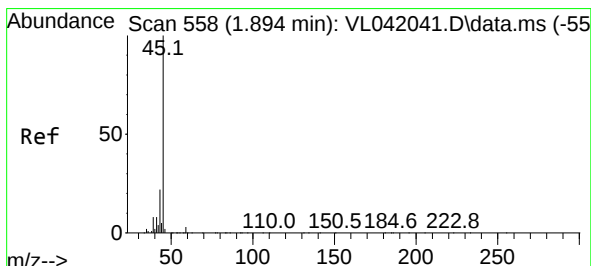
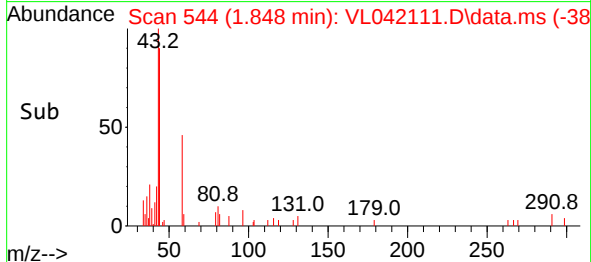
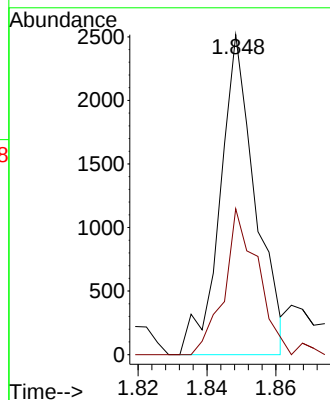
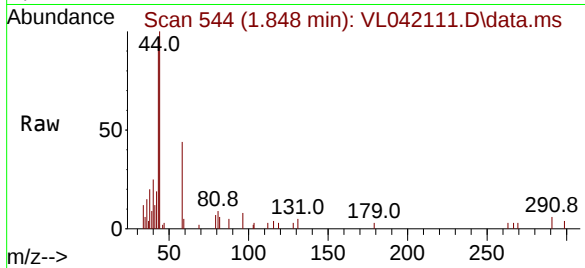




#15
Acetone
Concen: 0.139 ppbv
RT: 1.848 min Scan# 54
Delta R.T. 0.006 min
Lab File: VL042111.D
Acq: 05 Mar 2025 19:05

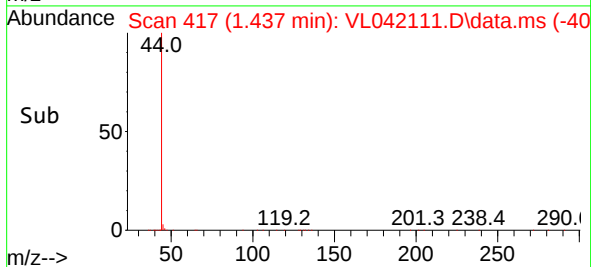
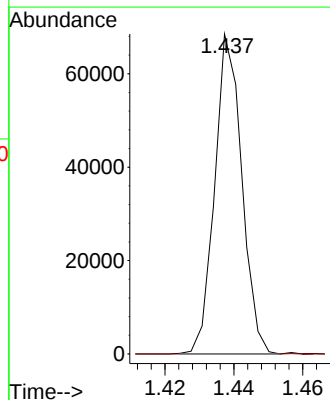
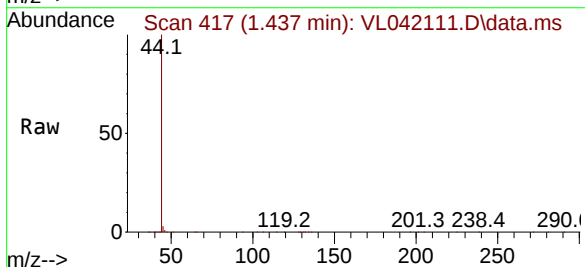
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

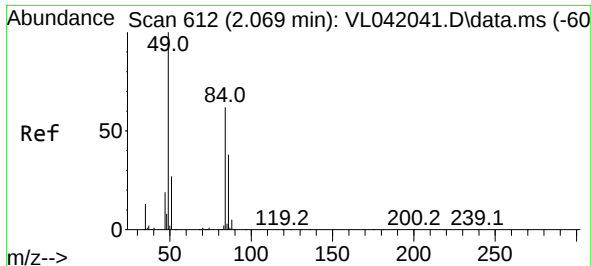
Tgt Ion: 43 Resp: 1787
Ion Ratio Lower Upper
43 100
58 47.0 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 5.047 ppbv
RT: 1.437 min Scan# 417
Delta R.T. -0.457 min
Lab File: VL042111.D
Acq: 05 Mar 2025 19:05

Tgt Ion: 45 Resp: 37341
Ion Ratio Lower Upper
45 100
58 0.0 35.3 52.9#

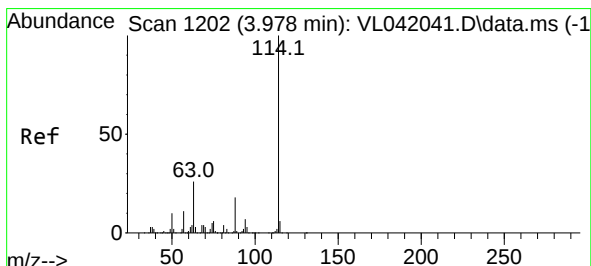
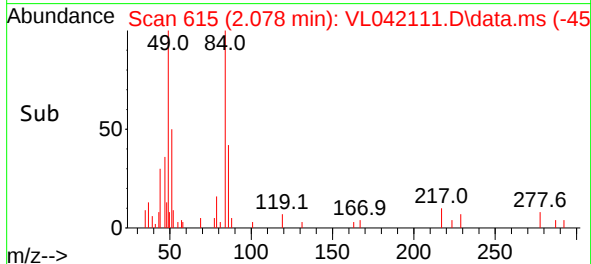
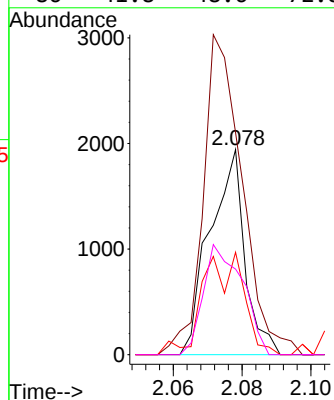
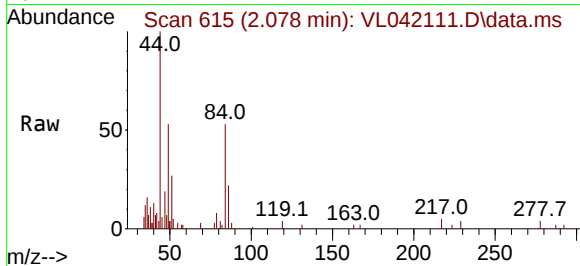




#20
Methylene Chloride
Concen: 0.280 ppbv
RT: 2.078 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL042111.D
Acq: 05 Mar 2025 19:05

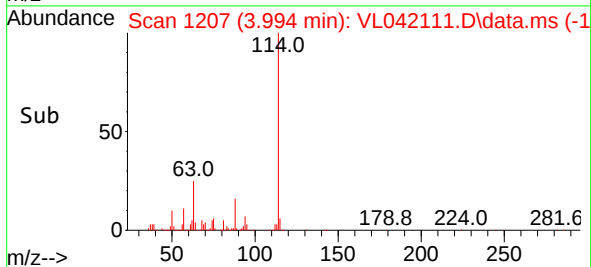
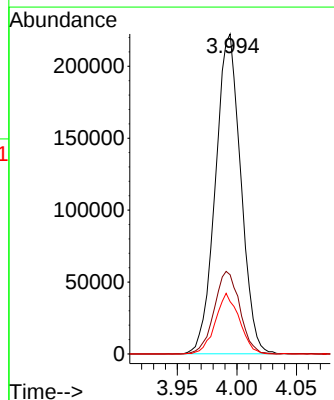
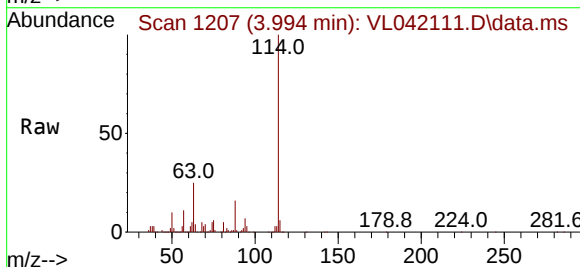
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

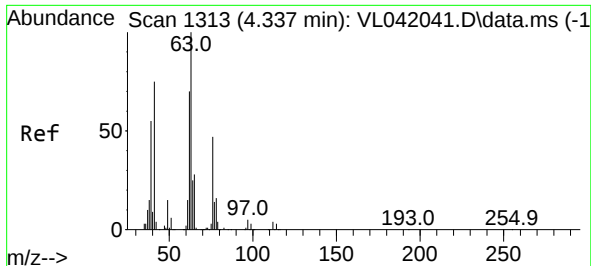
Tgt Ion: 84 Resp: 1365
Ion Ratio Lower Upper
84 100
49 100.1 130.0 195.0#
51 49.9 37.4 56.0
86 41.8 48.6 72.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.994 min Scan# 1207
Delta R.T. 0.016 min
Lab File: VL042111.D
Acq: 05 Mar 2025 19:05

Tgt Ion: 114 Resp: 328140
Ion Ratio Lower Upper
114 100
63 26.2 20.1 30.1
88 18.0 14.3 21.5





#39

1,2-Dichloropropane

Concen: 6.578 ppbv

RT: 3.991 min Scan# 11

Delta R.T. -0.346 min

Lab File: VL042111.D

Acq: 05 Mar 2025 19:05

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

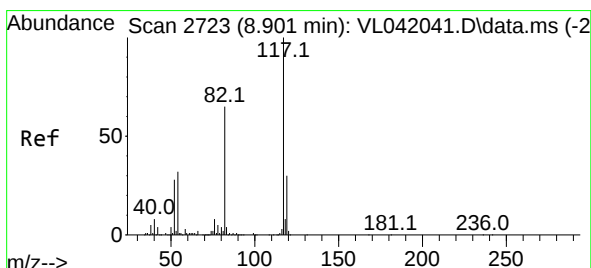
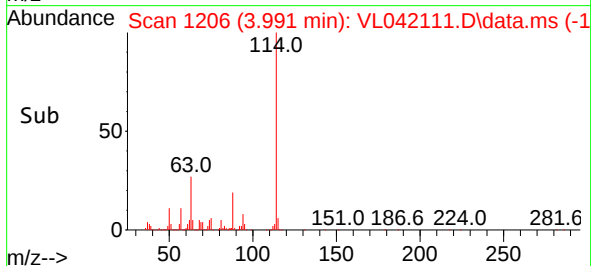
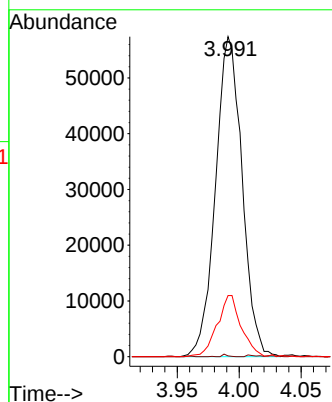
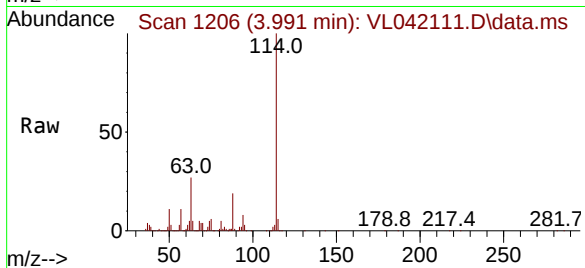
Tgt Ion: 63 Resp: 85764

Ion Ratio Lower Upper

63 100

41 0.2 60.1 90.1#

62 19.1 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.914 min Scan# 2727

Delta R.T. 0.013 min

Lab File: VL042111.D

Acq: 05 Mar 2025 19:05

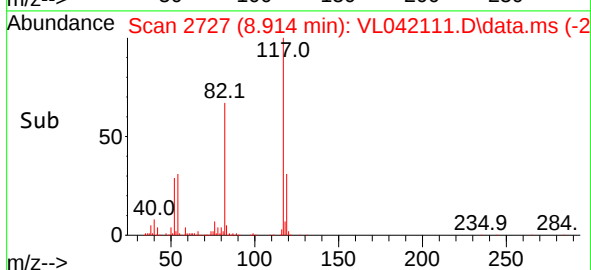
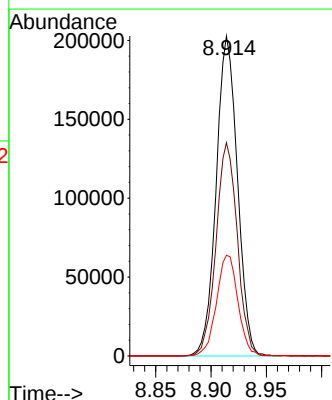
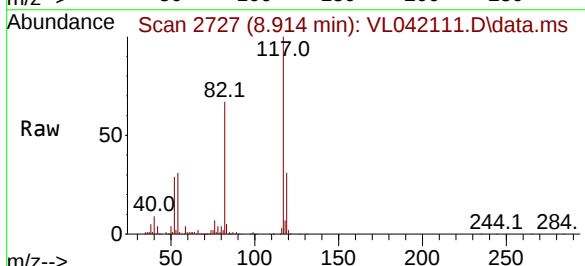
Tgt Ion: 117 Resp: 270960

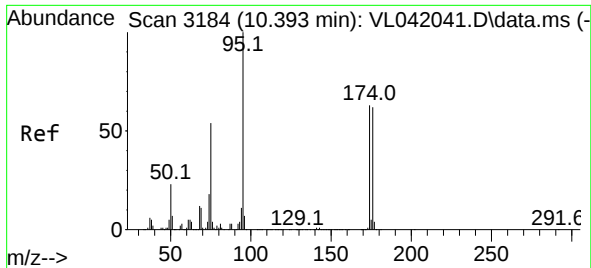
Ion Ratio Lower Upper

117 100

82 66.7 55.0 82.6

119 31.9 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.355 ppbv
 RT: 10.406 min Scan# 3188
 Delta R.T. 0.013 min
 Lab File: VL042111.D
 Acq: 05 Mar 2025 19:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 195010

Ion	Ratio	Lower	Upper
95	100		
174	63.0	51.8	77.6
175	4.5	3.9	5.9

