

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042107.D
 Acq On : 05 Mar 2025 16:59
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 06 01:10:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

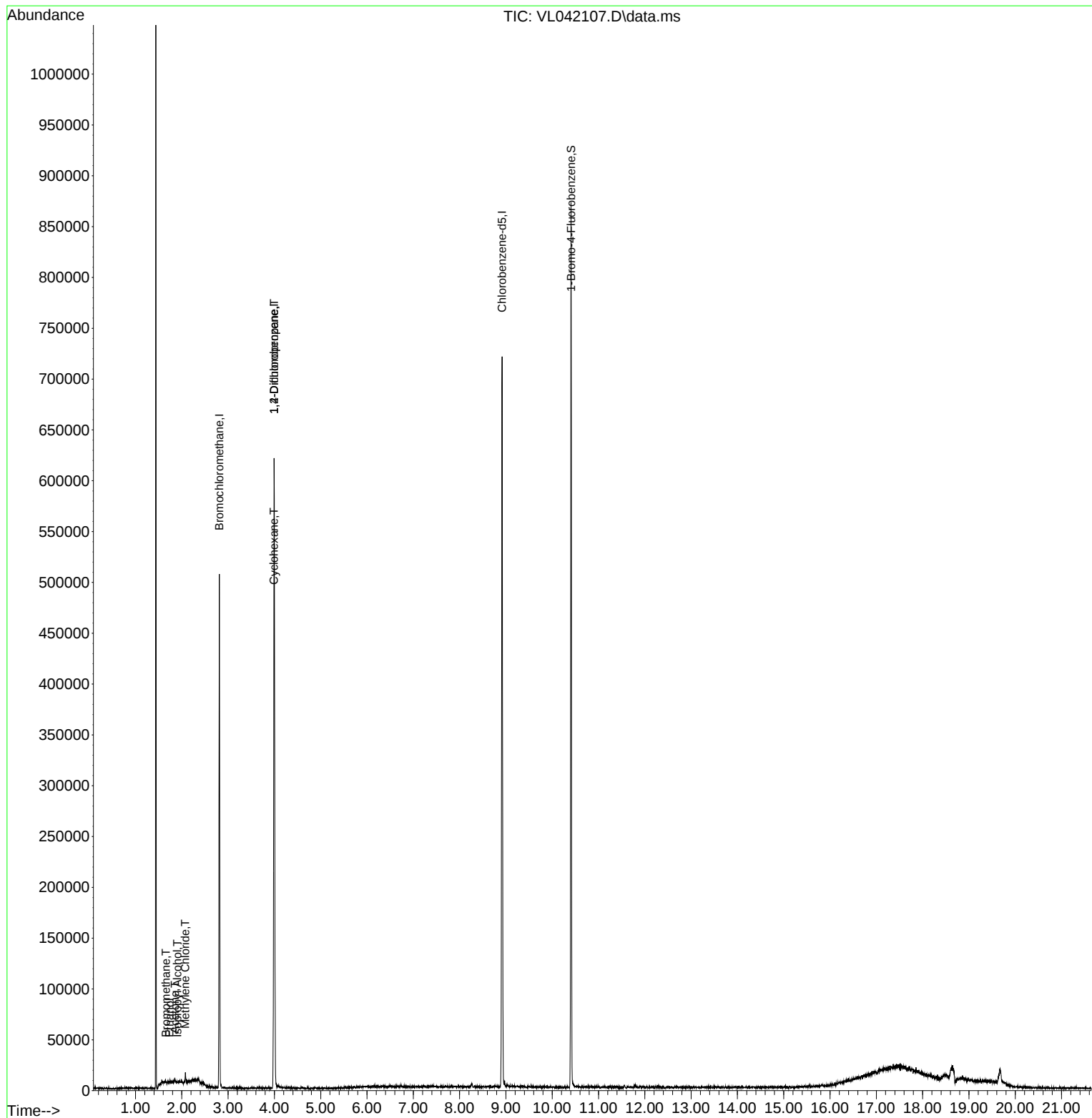
Internal Standards						
1) Bromochloromethane	2.810	49	154087	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.994	114	347290	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.917	117	283025	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.406	95	207831	9.545	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
					Qvalue	
6) Bromomethane	1.657	94	100	0.037	ppbv #	2
13) Ethanol	1.735	45	530	0.915	ppbv #	33
15) Acetone	1.852	43	1799	0.132	ppbv #	79
19) Isopropyl Alcohol	1.903	45	662	0.085	ppbv #	27
20) Methylene Chloride	2.075	84	1479	0.287	ppbv #	75
30) Cyclohexane	3.988	84	1551	0.087	ppbv #	1
39) 1,2-Dichloropropane	3.994	63	90304	6.544	ppbv #	23

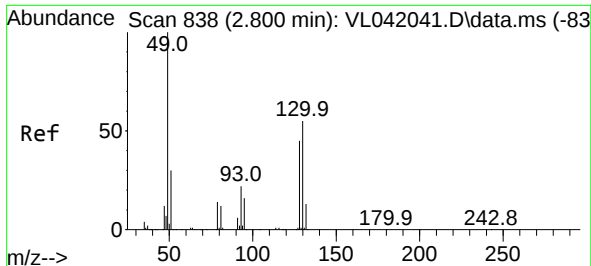
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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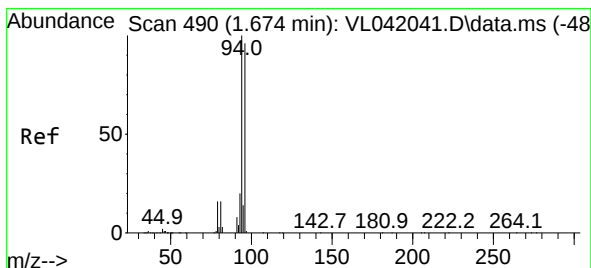
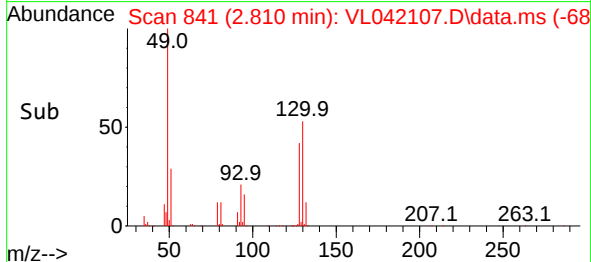
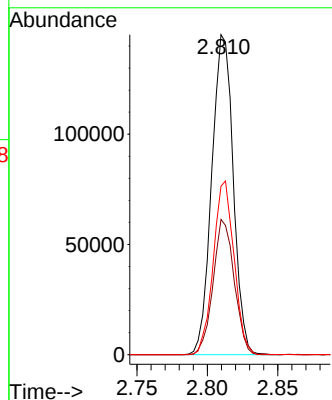
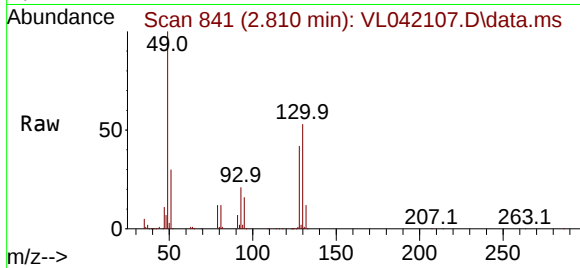




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.810 min Scan# 841
Delta R.T. 0.010 min
Lab File: VL042107.D
Acq: 05 Mar 2025 16:59

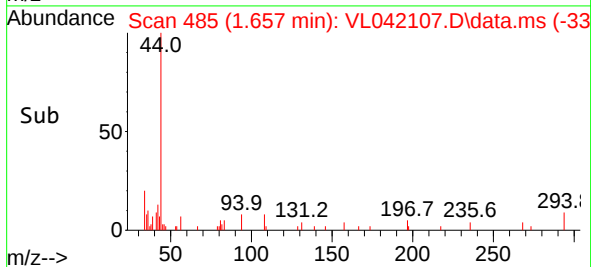
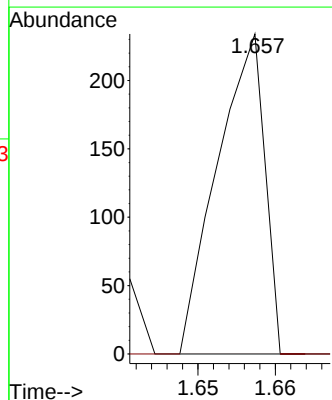
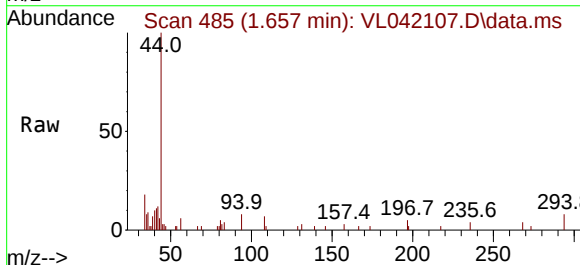
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

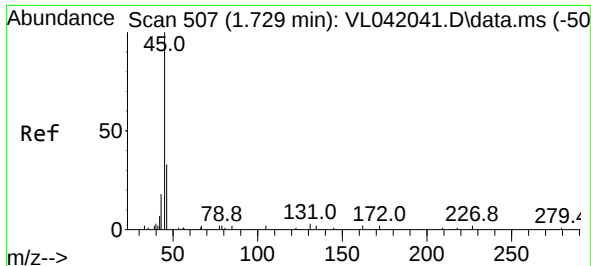
Tgt Ion: 49 Resp: 154087
Ion Ratio Lower Upper
49 100
128 41.5 21.6 64.8
130 52.4 27.8 83.4



#6
Bromomethane
Concen: 0.037 ppbv
RT: 1.657 min Scan# 485
Delta R.T. -0.016 min
Lab File: VL042107.D
Acq: 05 Mar 2025 16:59

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

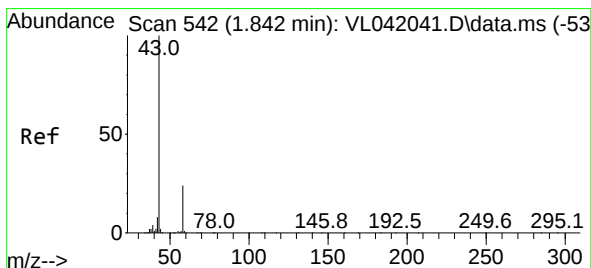
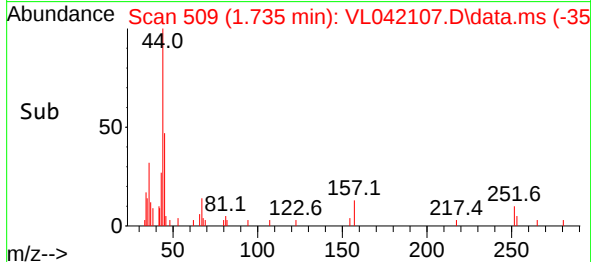
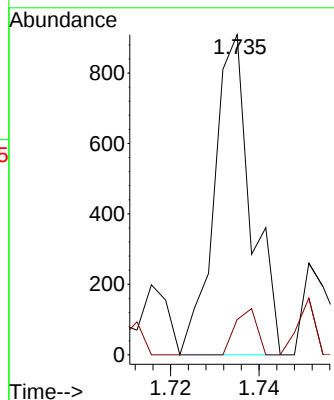
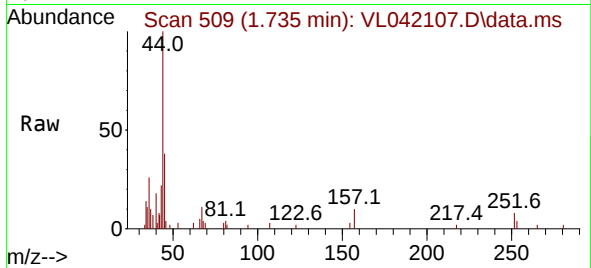




#13
Ethanol
Concen: 0.915 ppbv
RT: 1.735 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL042107.D
Acq: 05 Mar 2025 16:59

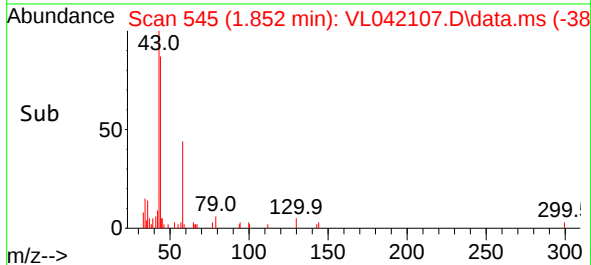
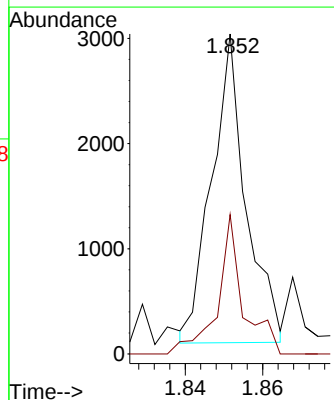
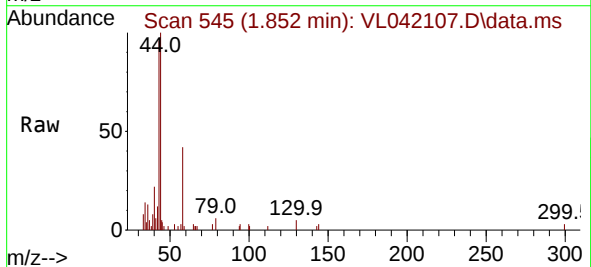
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

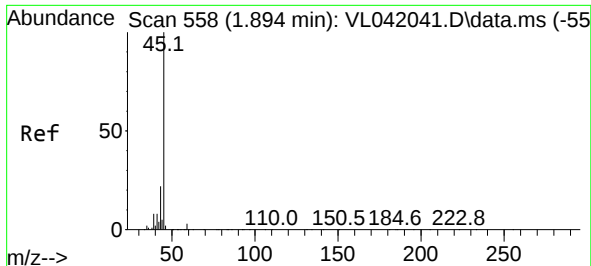
Tgt Ion: 45 Resp: 530
Ion Ratio Lower Upper
45 100
46 0.0 17.1 68.3#



#15
Acetone
Concen: 0.132 ppbv
RT: 1.852 min Scan# 545
Delta R.T. 0.010 min
Lab File: VL042107.D
Acq: 05 Mar 2025 16:59

Tgt Ion: 43 Resp: 1799
Ion Ratio Lower Upper
43 100
58 36.5 20.7 31.1#

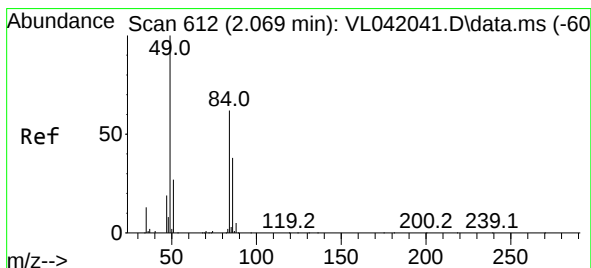
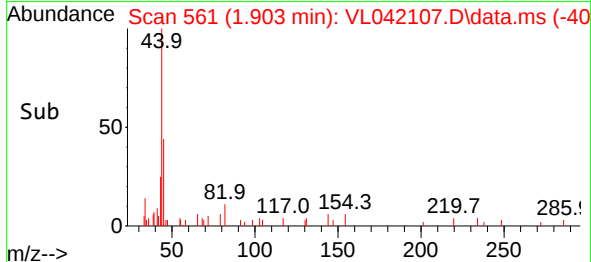
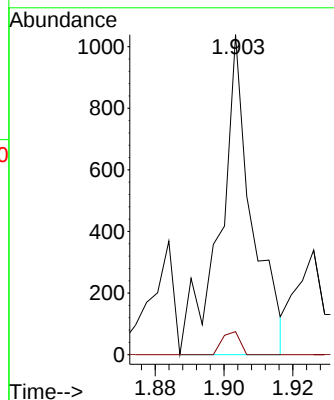
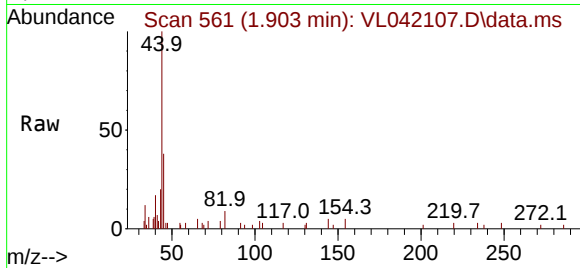




#19
Isopropyl Alcohol
Concen: 0.085 ppbv
RT: 1.903 min Scan# 510
Delta R.T. 0.010 min
Lab File: VL042107.D
Acq: 05 Mar 2025 16:59

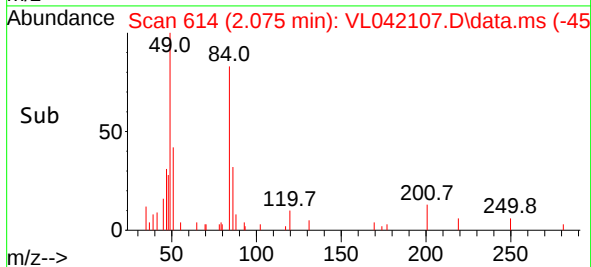
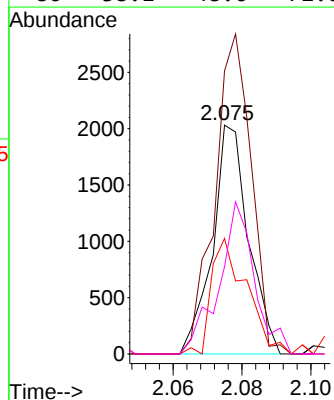
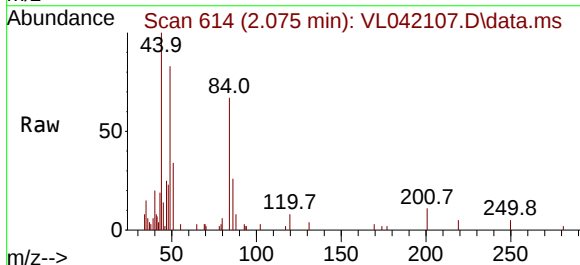
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

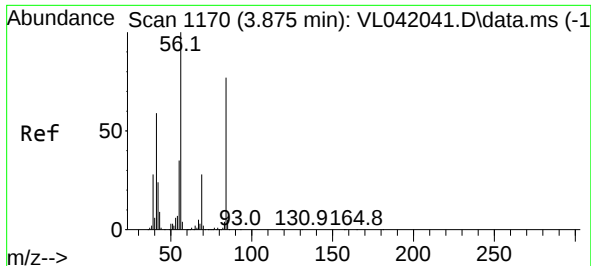
Tgt Ion: 45 Resp: 662
Ion Ratio Lower Upper
45 100
58 91.1 35.3 52.9#



#20
Methylene Chloride
Concen: 0.287 ppbv
RT: 2.075 min Scan# 614
Delta R.T. 0.006 min
Lab File: VL042107.D
Acq: 05 Mar 2025 16:59

Tgt Ion: 84 Resp: 1479
Ion Ratio Lower Upper
84 100
49 123.7 130.0 195.0#
51 50.5 37.4 56.0
86 38.1 48.6 72.8#

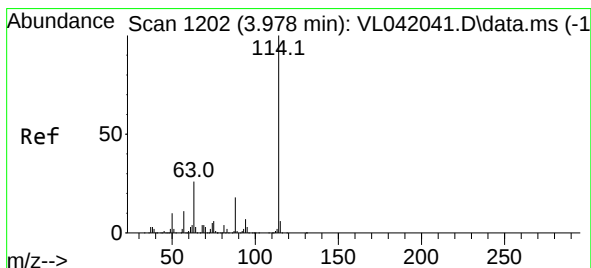
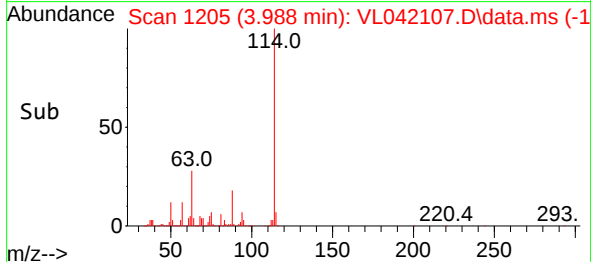
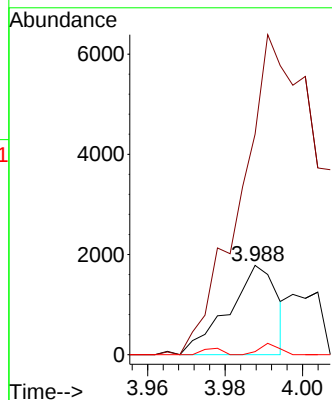
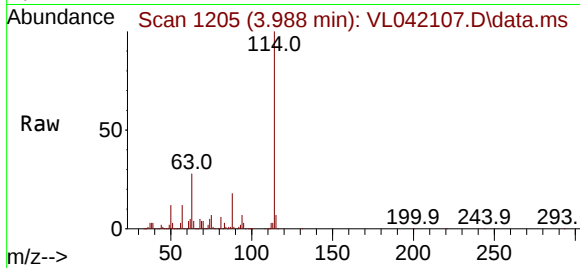




#30
Cyclohexane
Concen: 0.087 ppbv
RT: 3.988 min Scan# 1170
Delta R.T. 0.113 min
Lab File: VL042107.D
Acq: 05 Mar 2025 16:59

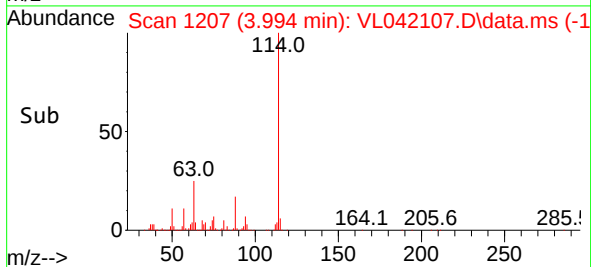
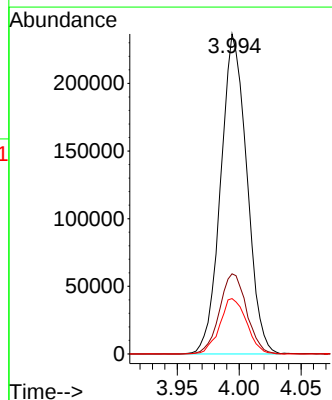
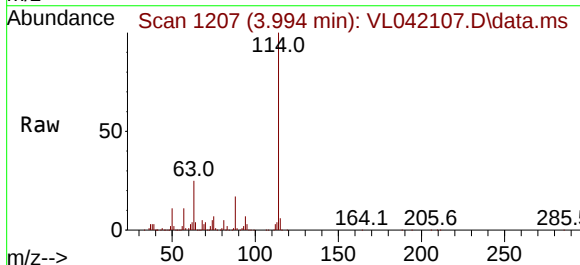
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

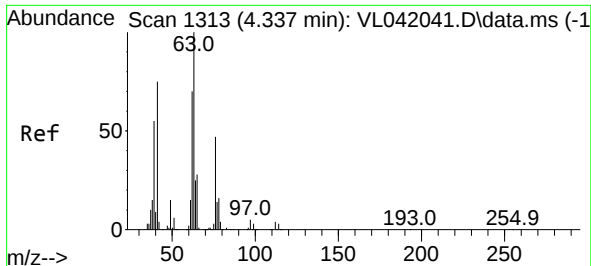
Tgt Ion: 84 Resp: 1551
Ion Ratio Lower Upper
84 100
56 611.9 101.5 152.3#
41 10.5 62.6 93.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.994 min Scan# 1207
Delta R.T. 0.016 min
Lab File: VL042107.D
Acq: 05 Mar 2025 16:59

Tgt Ion: 114 Resp: 347290
Ion Ratio Lower Upper
114 100
63 26.1 20.1 30.1
88 17.8 14.3 21.5





#39

1,2-Dichloropropane

Concen: 6.544 ppbv

RT: 3.994 min Scan# 11

Delta R.T. -0.343 min

Lab File: VL042107.D

Acq: 05 Mar 2025 16:59

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

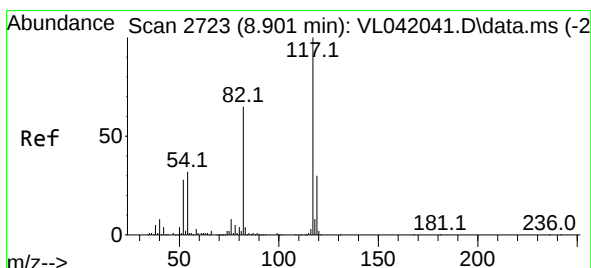
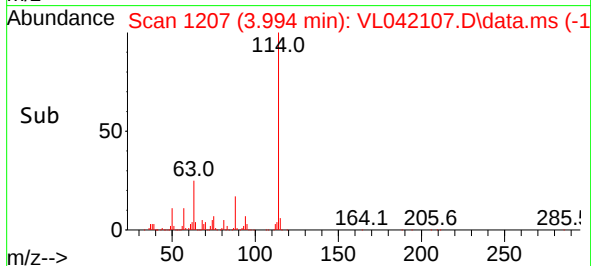
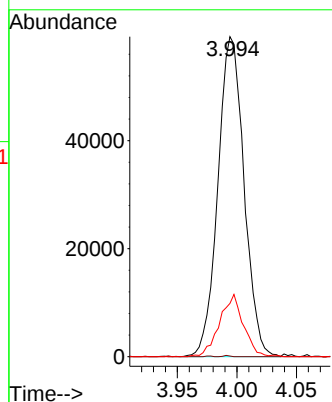
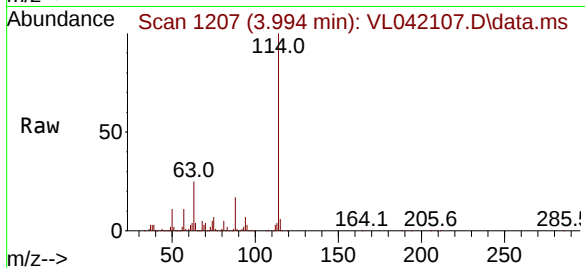
Tgt Ion: 63 Resp: 90304

Ion Ratio Lower Upper

63 100

41 0.2 60.1 90.1#

62 16.7 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.917 min Scan# 2728

Delta R.T. 0.016 min

Lab File: VL042107.D

Acq: 05 Mar 2025 16:59

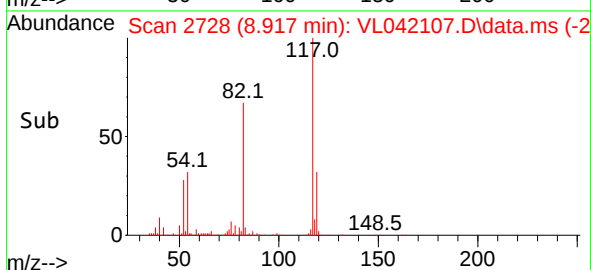
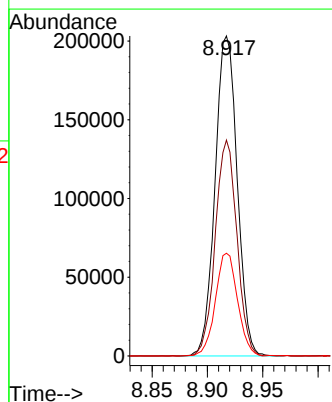
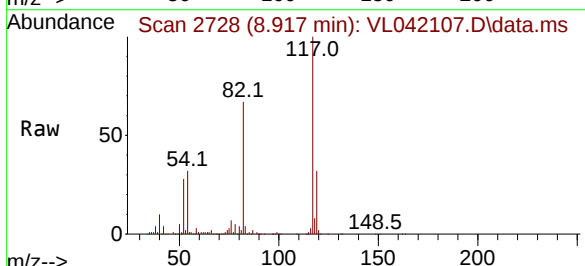
Tgt Ion: 117 Resp: 283025

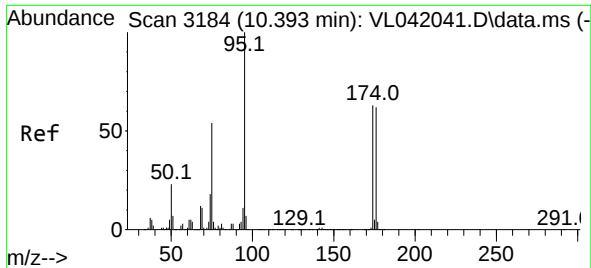
Ion Ratio Lower Upper

117 100

82 66.1 55.0 82.6

119 32.3 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.545 ppbv
 RT: 10.406 min Scan# 3188
 Delta R.T. 0.013 min
 Lab File: VL042107.D
 Acq: 05 Mar 2025 16:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 207831
 Ion Ratio Lower Upper
 95 100
 174 62.1 51.8 77.6
 175 4.6 3.9 5.9

