

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030525\
 Data File : VL042113.D
 Acq On : 05 Mar 2025 20:08
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 06 01:12:33 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)

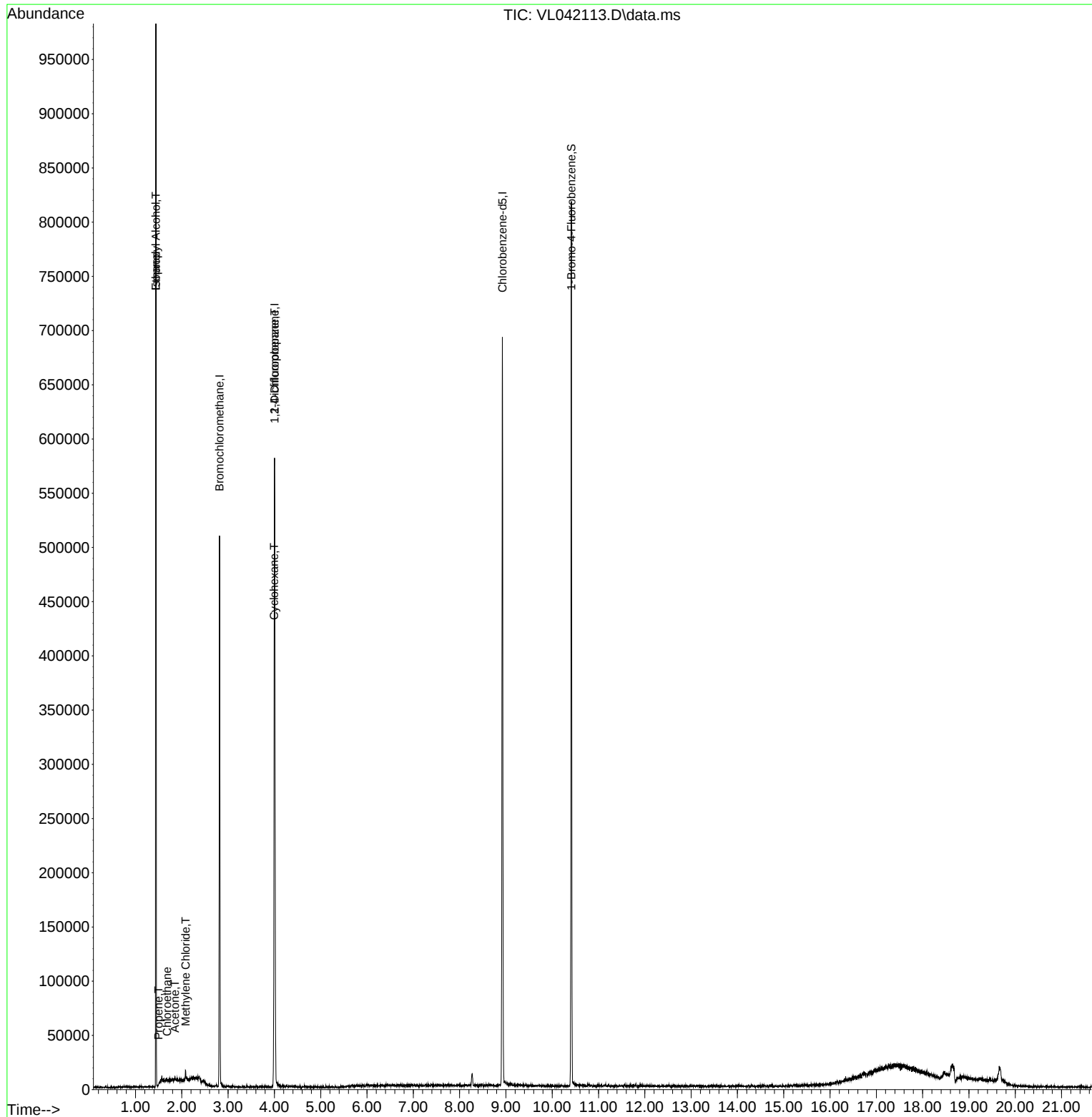
Internal Standards						
1) Bromochloromethane	2.816	49	148015	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	4.004	114	325764	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.924	117	264427	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.413	95	192139	9.445	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.400%
Target Compounds						
					Qvalue	
7) Chloroethane	1.683	64	81	0.037	ppbv #	39
9) Propene	1.496	41	410	0.047	ppbv #	81
13) Ethanol	1.441	45	37629	67.638	ppbv	87
15) Acetone	1.855	43	2057	0.157	ppbv	98
19) Isopropyl Alcohol	1.441	45	37629	5.012	ppbv #	32
20) Methylene Chloride	2.081	84	1421	0.287	ppbv #	70
30) Cyclohexane	3.994	84	1366	0.080	ppbv #	3
39) 1,2-Dichloropropane	4.001	63	85771	6.626	ppbv #	22

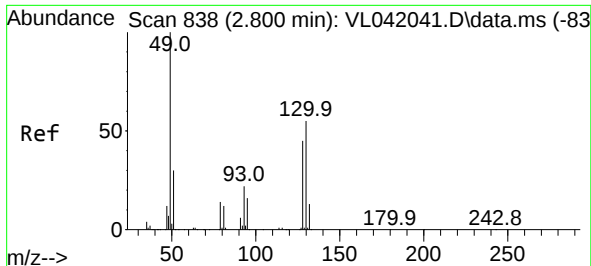
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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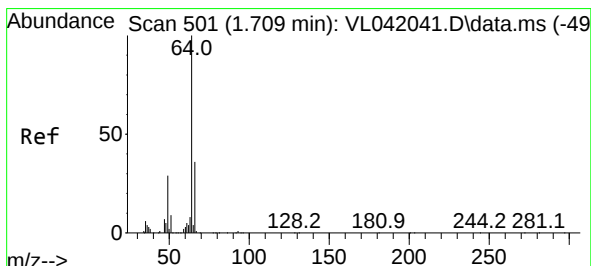
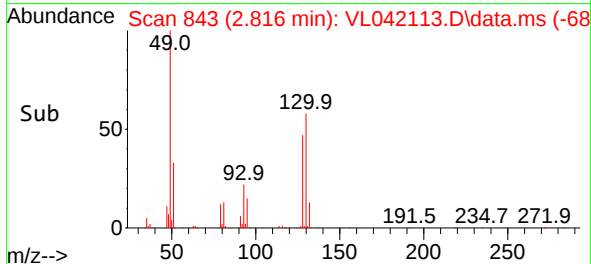
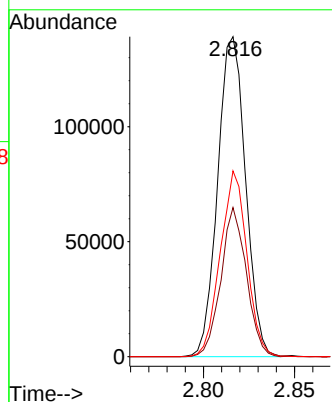
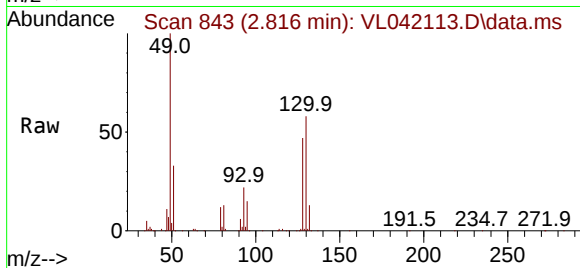




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.816 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL042113.D
Acq: 05 Mar 2025 20:08

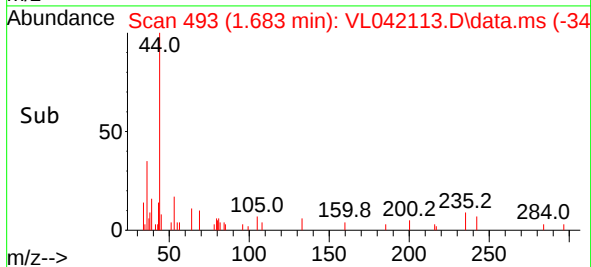
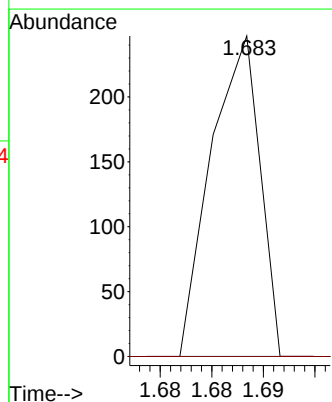
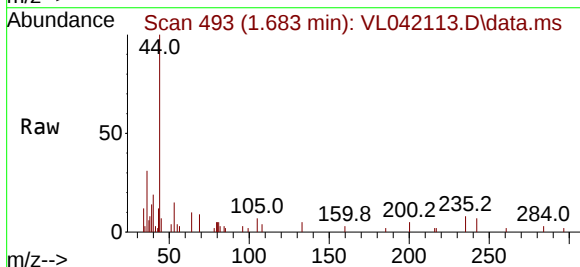
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

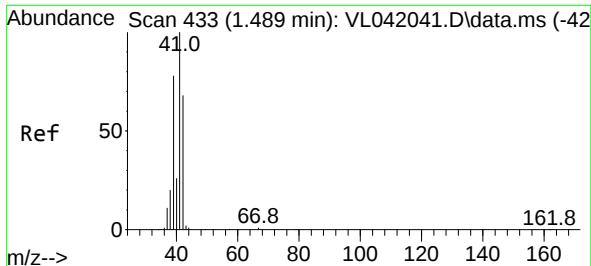
Tgt Ion: 49 Resp: 148015
Ion Ratio Lower Upper
49 100
128 42.6 21.6 64.8
130 55.5 27.8 83.4



#7
Chloroethane
Concen: 0.037 ppbv
RT: 1.683 min Scan# 493
Delta R.T. -0.026 min
Lab File: VL042113.D
Acq: 05 Mar 2025 20:08

Tgt Ion: 64 Resp: 81
Ion Ratio Lower Upper
64 100
66 0.0 28.4 42.6#





#9

Propene

Concen: 0.047 ppbv

RT: 1.496 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042113.D

Acq: 05 Mar 2025 20:08

Instrument :

MSVOA_L

ClientSampleId :

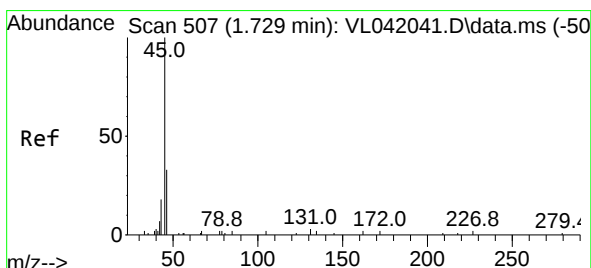
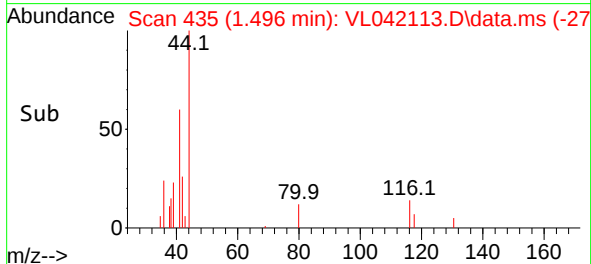
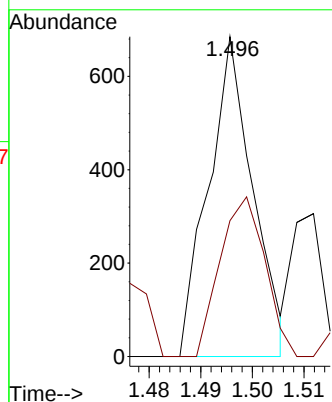
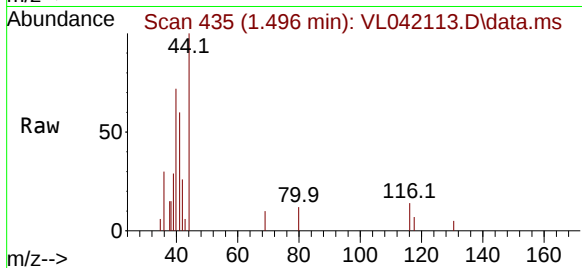
VIBLK

Tgt Ion: 41 Resp: 410

Ion Ratio Lower Upper

41 100

42 85.6 55.8 83.6#



#13

Ethanol

Concen: 67.638 ppbv

RT: 1.441 min Scan# 418

Delta R.T. -0.288 min

Lab File: VL042113.D

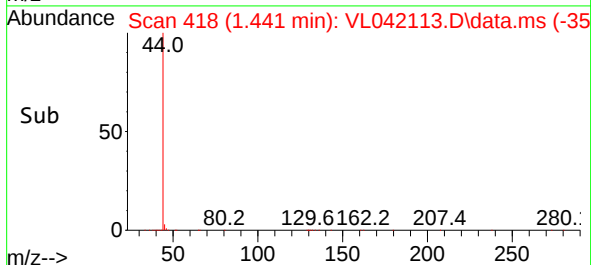
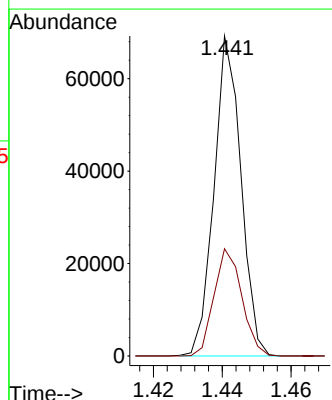
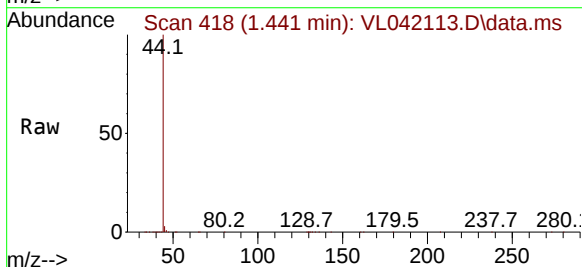
Acq: 05 Mar 2025 20:08

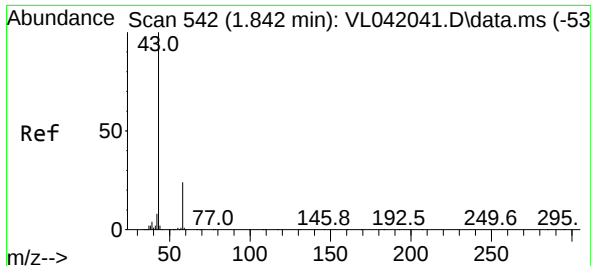
Tgt Ion: 45 Resp: 37629

Ion Ratio Lower Upper

45 100

46 34.6 17.1 68.3

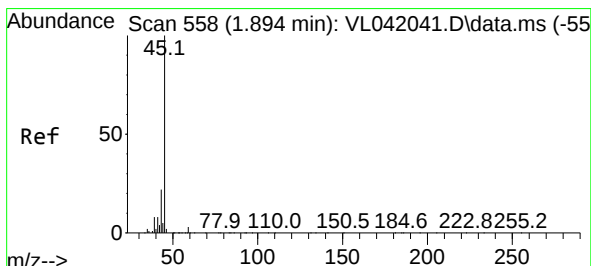
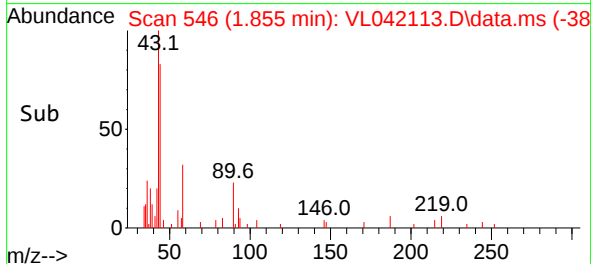
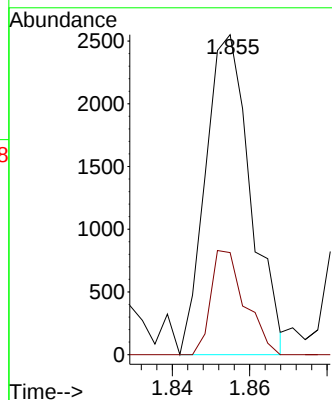
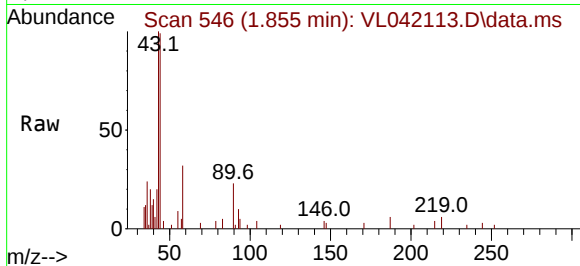




#15
Acetone
Concen: 0.157 ppbv
RT: 1.855 min Scan# 54
Delta R.T. 0.013 min
Lab File: VL042113.D
Acq: 05 Mar 2025 20:08

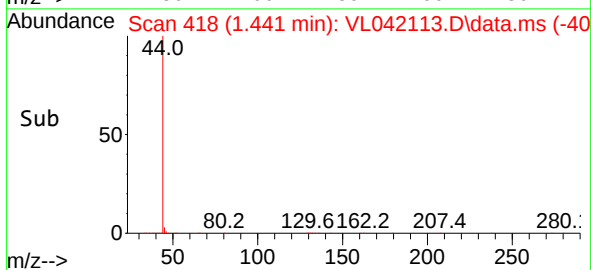
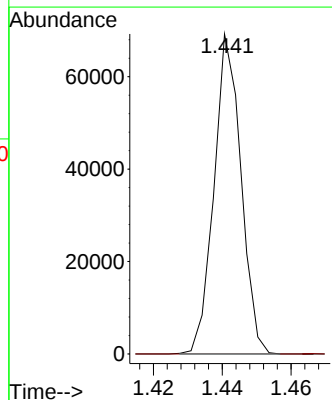
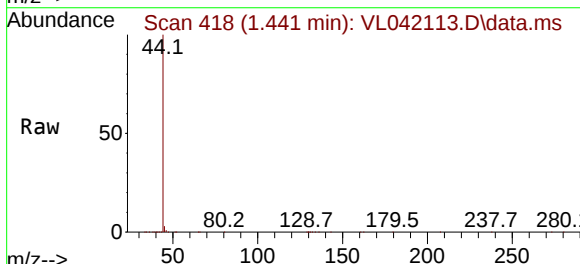
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

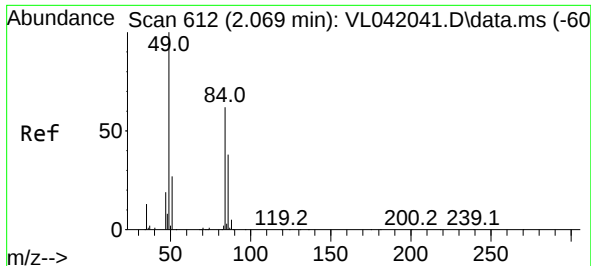
Tgt Ion: 43 Resp: 2057
Ion Ratio Lower Upper
43 100
58 24.8 20.7 31.1



#19
Isopropyl Alcohol
Concen: 5.012 ppbv
RT: 1.441 min Scan# 418
Delta R.T. -0.453 min
Lab File: VL042113.D
Acq: 05 Mar 2025 20:08

Tgt Ion: 45 Resp: 37629
Ion Ratio Lower Upper
45 100
58 0.1 35.3 52.9#

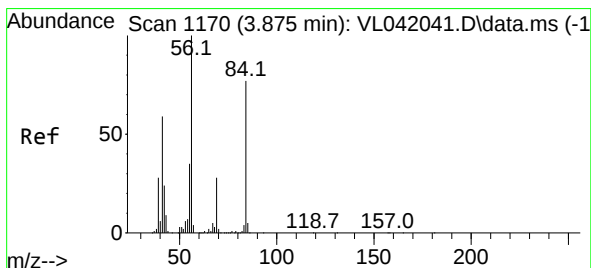
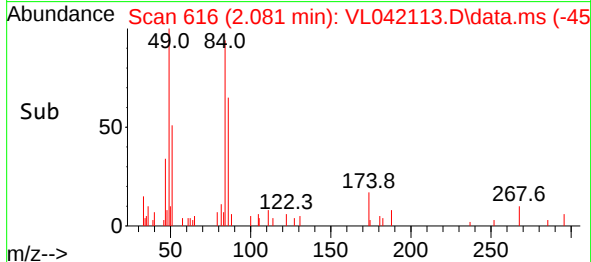
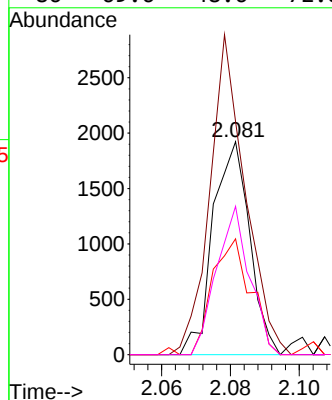
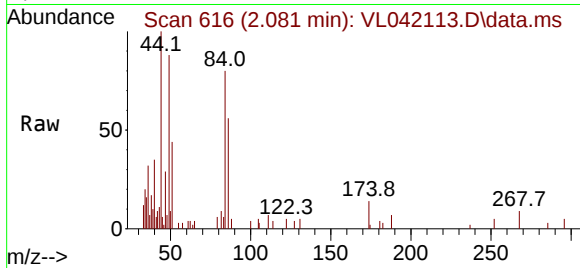




#20
Methylene Chloride
Concen: 0.287 ppbv
RT: 2.081 min Scan# 612
Delta R.T. 0.013 min
Lab File: VL042113.D
Acq: 05 Mar 2025 20:08

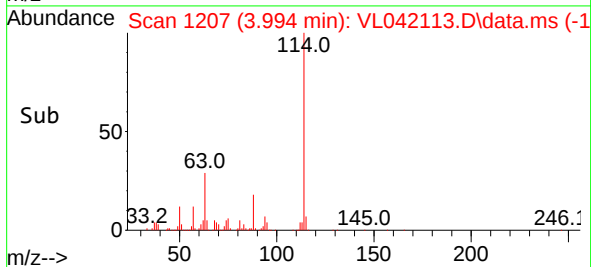
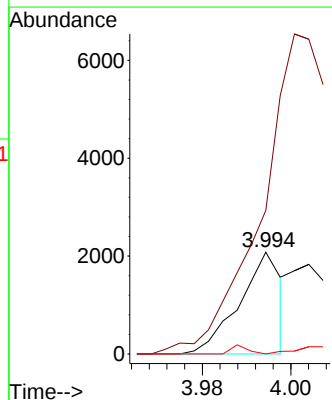
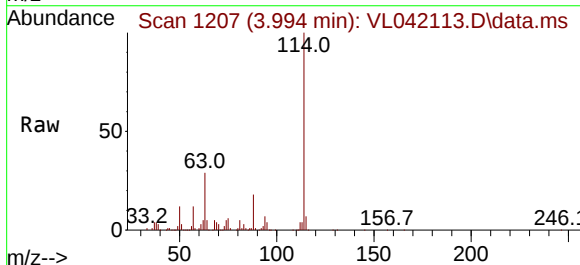
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

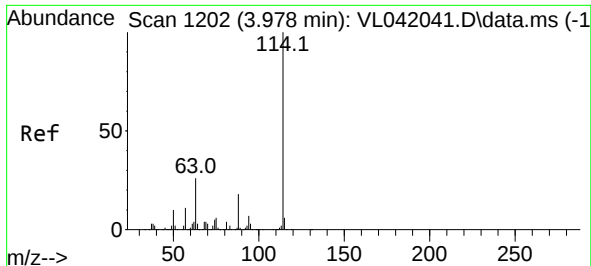
Tgt Ion: 84 Resp: 1421
Ion Ratio Lower Upper
84 100
49 105.9 130.0 195.0#
51 54.3 37.4 56.0
86 69.6 48.6 72.8



#30
Cyclohexane
Concen: 0.080 ppbv
RT: 3.994 min Scan# 1207
Delta R.T. 0.120 min
Lab File: VL042113.D
Acq: 05 Mar 2025 20:08

Tgt Ion: 84 Resp: 1366
Ion Ratio Lower Upper
84 100
56 0.0 101.5 152.3#
41 12.2 62.6 93.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 4.004 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL042113.D

Acq: 05 Mar 2025 20:08

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

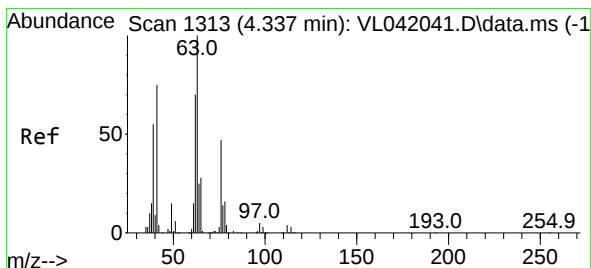
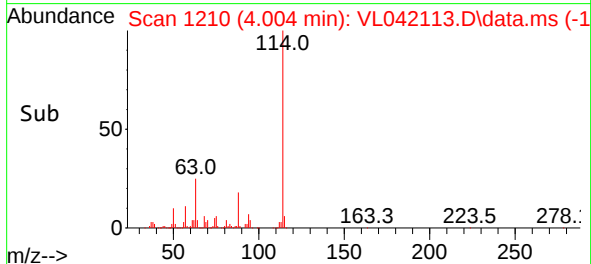
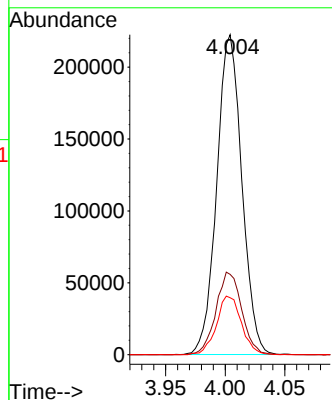
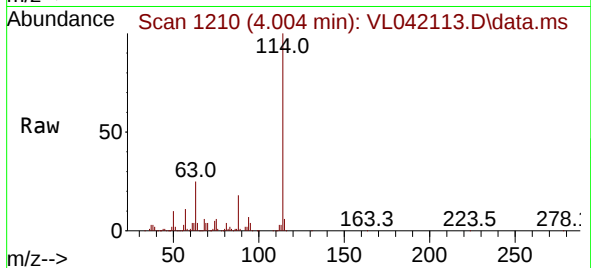
Tgt Ion:114 Resp: 325764

Ion Ratio Lower Upper

114 100

63 26.5 20.1 30.1

88 18.2 14.3 21.5



#39

1,2-Dichloropropane

Concen: 6.626 ppbv

RT: 4.001 min Scan# 1209

Delta R.T. -0.337 min

Lab File: VL042113.D

Acq: 05 Mar 2025 20:08

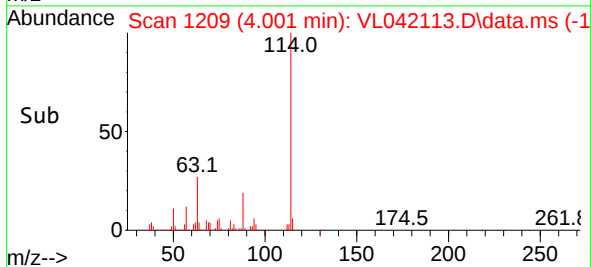
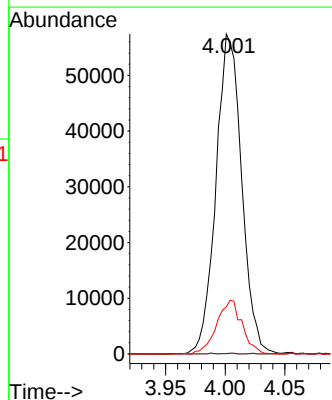
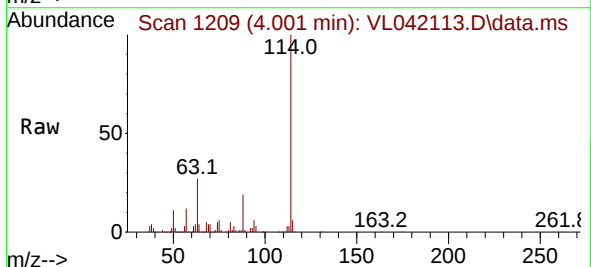
Tgt Ion: 63 Resp: 85771

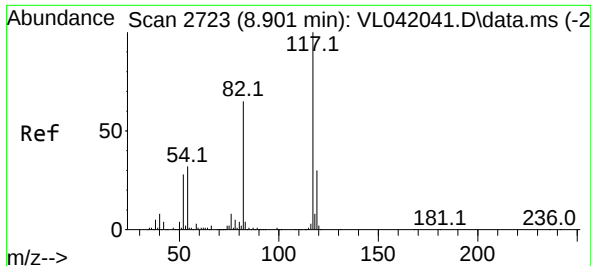
Ion Ratio Lower Upper

63 100

41 0.1 60.1 90.1#

62 14.7 55.8 83.8#

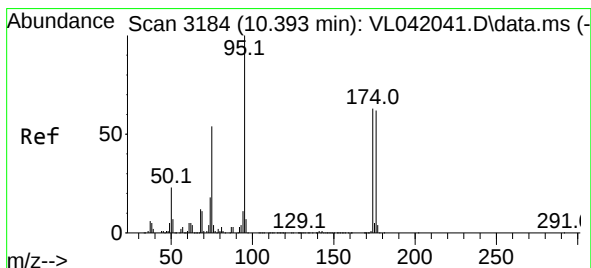
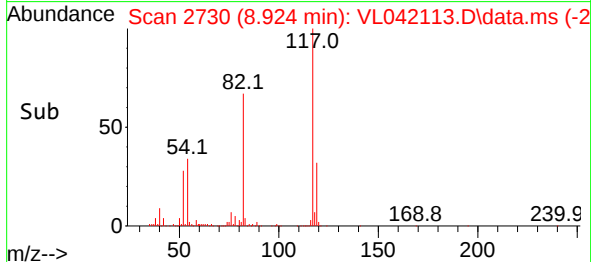
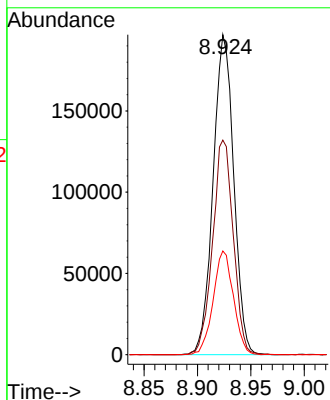
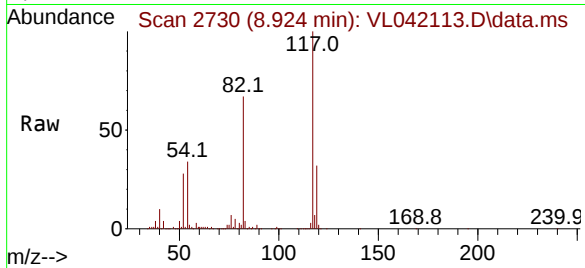




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.924 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL042113.D
Acq: 05 Mar 2025 20:08

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 264427
Ion Ratio Lower Upper
117 100
82 67.2 55.0 82.6
119 31.9 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 9.445 ppbv
RT: 10.413 min Scan# 3190
Delta R.T. 0.019 min
Lab File: VL042113.D
Acq: 05 Mar 2025 20:08

Tgt Ion: 95 Resp: 192139
Ion Ratio Lower Upper
95 100
174 63.3 51.8 77.6
175 4.5 3.9 5.9

