

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL040825\
 Data File : VL042259.D
 Acq On : 08 Apr 2025 12:36
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Apr 09 01:54:21 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)

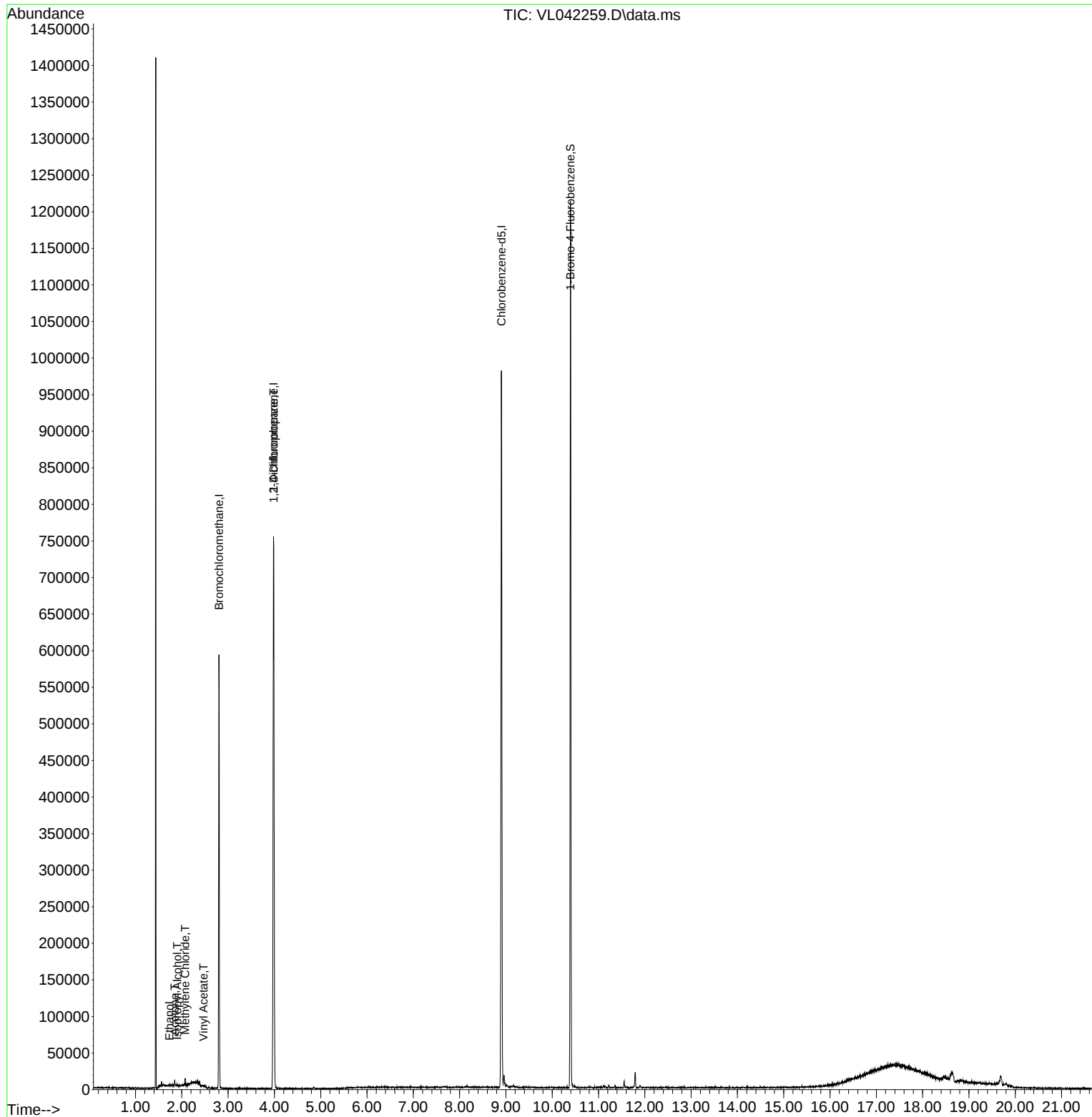
Internal Standards						
1) Bromochloromethane	2.803	49	162287	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.981	114	467740	10.000	ppbv	0.03
55) Chlorobenzene-d5	8.904	117	409747	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	314583	9.349	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.500%
Target Compounds						
					Qvalue	
13) Ethanol	1.735	45	300	0.283	ppbv	75
15) Acetone	1.848	43	3524	0.155	ppbv #	85
19) Isopropyl Alcohol	1.900	45	539	0.042	ppbv #	1
20) Methylene Chloride	2.072	84	1594	0.189	ppbv #	74
23) Vinyl Acetate	2.470	43	397	0.040	ppbv #	69
39) 1,2-Dichloropropane	3.985	63	116550	6.902	ppbv #	21

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

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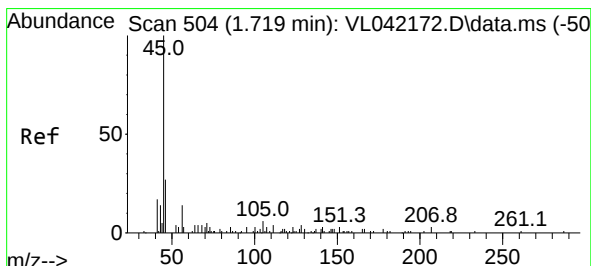
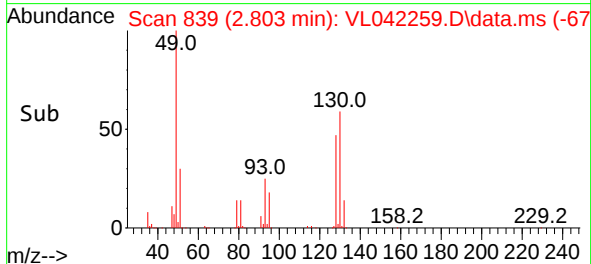
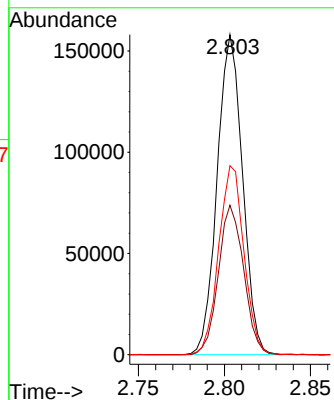
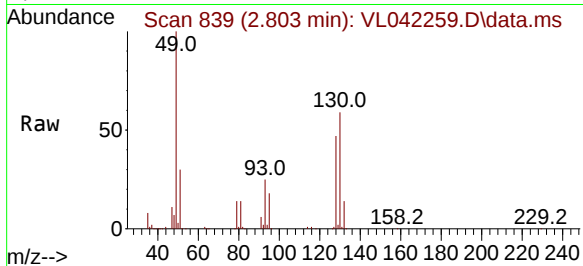




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.803 min Scan# 81
Delta R.T. 0.019 min
Lab File: VL042259.D
Acq: 08 Apr 2025 12:36

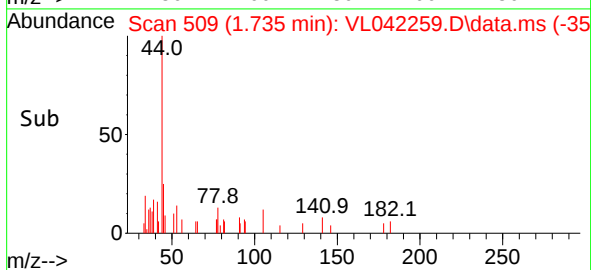
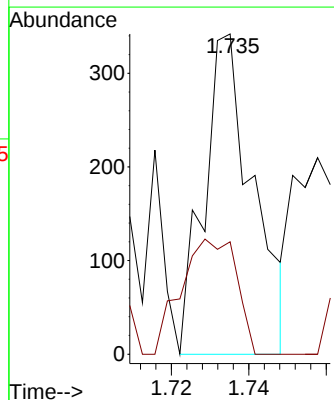
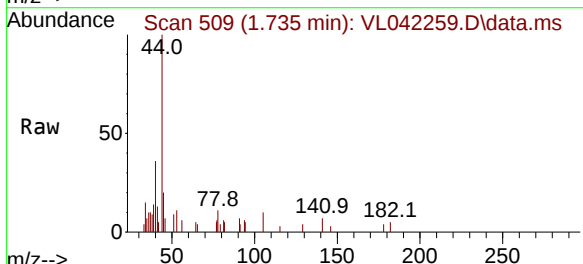
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

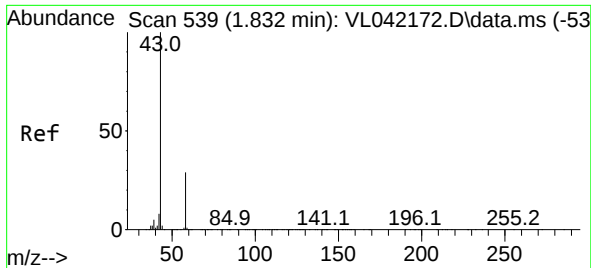
Tgt Ion: 49 Resp: 162287
Ion Ratio Lower Upper
49 100
128 46.5 22.9 68.5
130 58.9 28.8 86.4



#13
Ethanol
Concen: 0.283 ppbv
RT: 1.735 min Scan# 509
Delta R.T. 0.016 min
Lab File: VL042259.D
Acq: 08 Apr 2025 12:36

Tgt Ion: 45 Resp: 300
Ion Ratio Lower Upper
45 100
46 67.7 20.2 80.8





#15

Acetone

Concen: 0.155 ppbv

RT: 1.848 min Scan# 54

Delta R.T. 0.016 min

Lab File: VL042259.D

Acq: 08 Apr 2025 12:36

Instrument :

MSVOA_L

ClientSampleId :

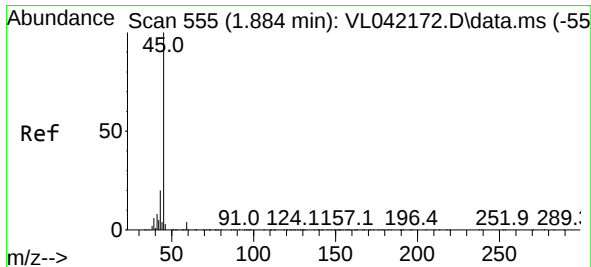
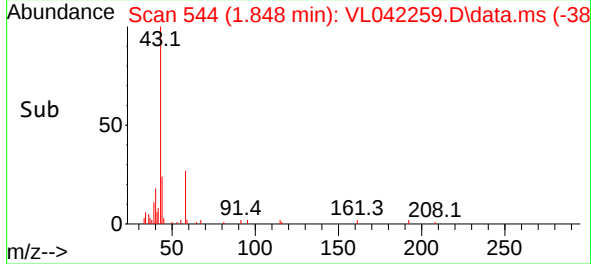
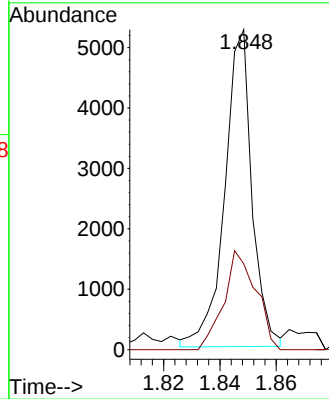
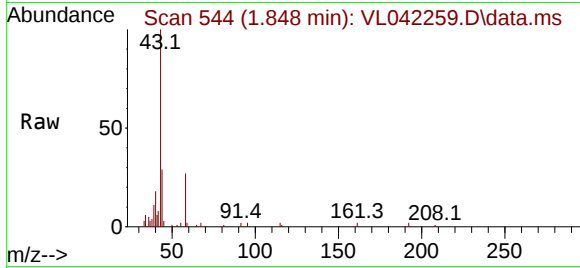
VIBLK

Tgt Ion: 43 Resp: 3524

Ion Ratio Lower Upper

43 100

58 36.8 23.2 34.8#



#19

Isopropyl Alcohol

Concen: 0.042 ppbv

RT: 1.900 min Scan# 560

Delta R.T. 0.016 min

Lab File: VL042259.D

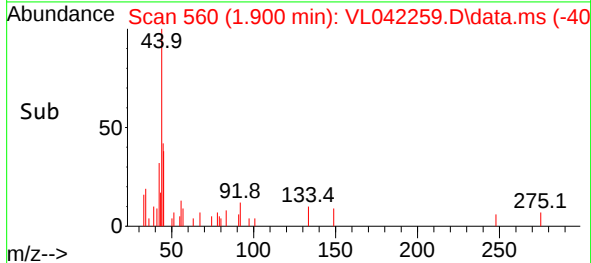
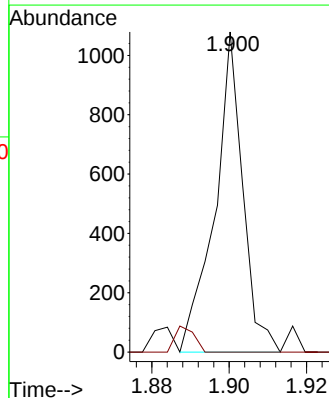
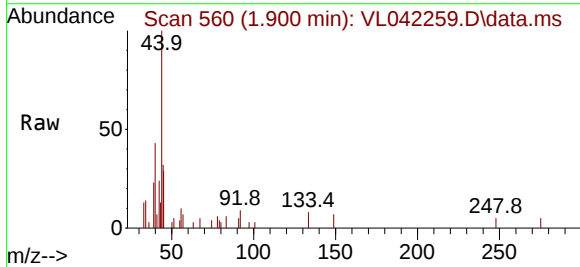
Acq: 08 Apr 2025 12:36

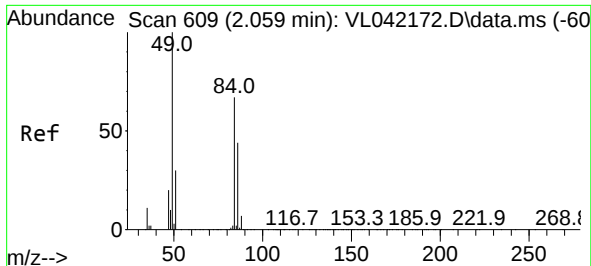
Tgt Ion: 45 Resp: 539

Ion Ratio Lower Upper

45 100

58 240.6 36.9 55.3#

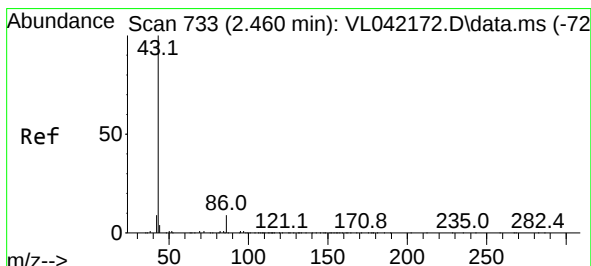
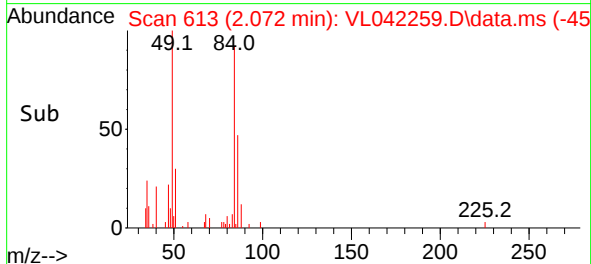
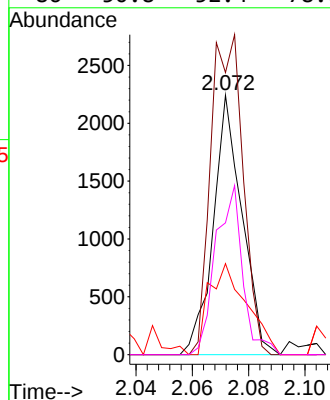
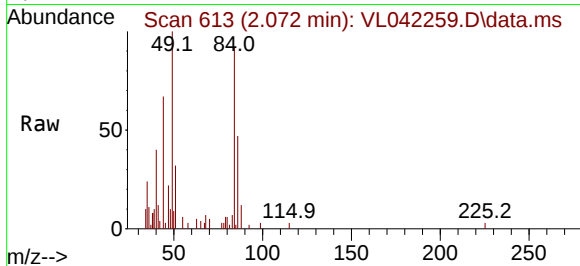




#20
Methylene Chloride
Concen: 0.189 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.013 min
Lab File: VL042259.D
Acq: 08 Apr 2025 12:36

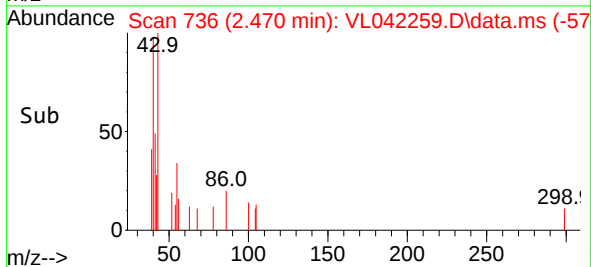
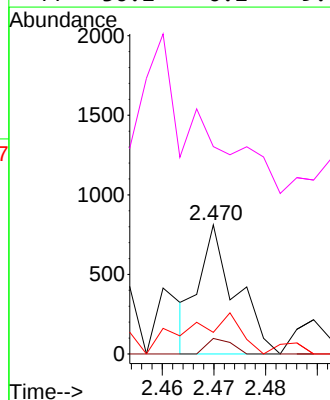
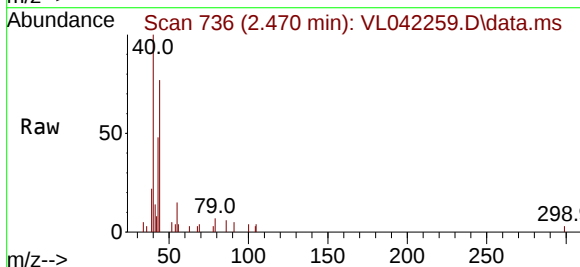
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

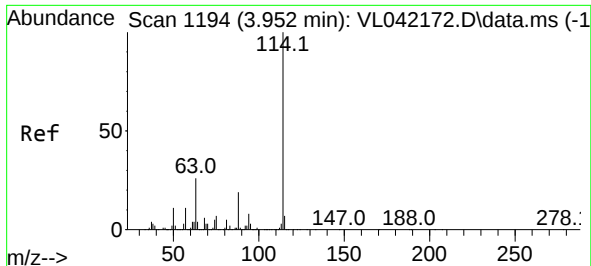
Tgt Ion: 84	Resp: 1594
Ion Ratio	Lower Upper
84 100	
49 108.7	120.2 180.4#
51 35.1	37.4 56.0#
86 50.8	52.4 78.6#



#23
Vinyl Acetate
Concen: 0.040 ppbv
RT: 2.470 min Scan# 736
Delta R.T. 0.010 min
Lab File: VL042259.D
Acq: 08 Apr 2025 12:36

Tgt	Ion: 43	Resp:	397
Ion	Ratio	Lower	Upper
43	100		
86	12.1	5.5	8.3#
42	9.2	8.6	13.0
44	36.2	6.2	9.4#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.981 min Scan# 1194

Delta R.T. 0.029 min

Lab File: VL042259.D

Acq: 08 Apr 2025 12:36

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

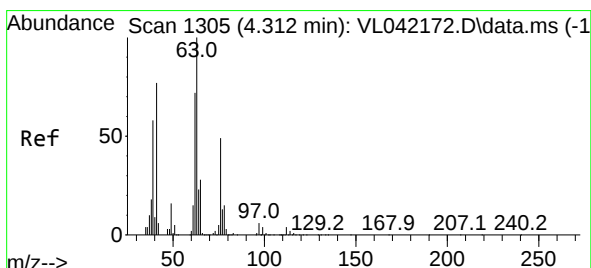
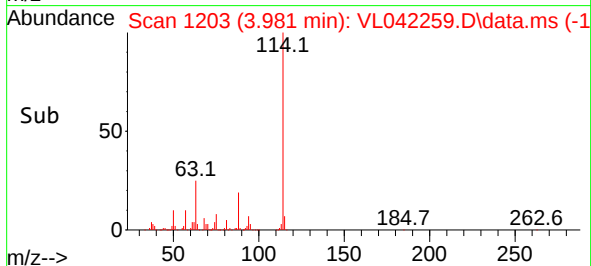
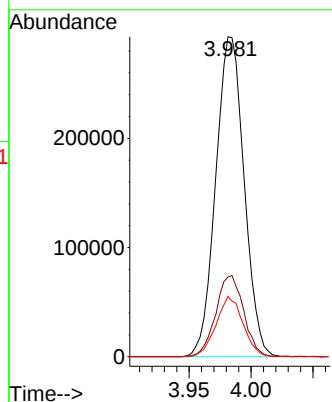
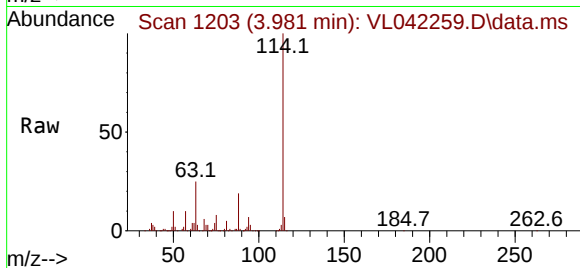
Tgt Ion:114 Resp: 467740

Ion Ratio Lower Upper

114 100

63 24.9 20.7 31.1

88 17.8 15.0 22.4



#39

1,2-Dichloropropane

Concen: 6.902 ppbv

RT: 3.985 min Scan# 1204

Delta R.T. -0.327 min

Lab File: VL042259.D

Acq: 08 Apr 2025 12:36

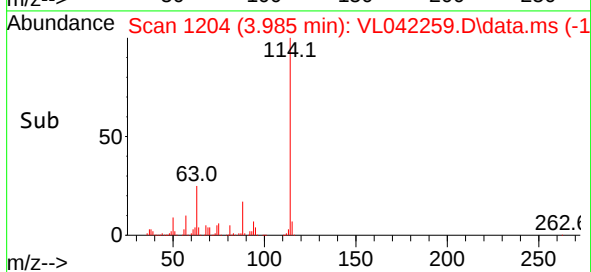
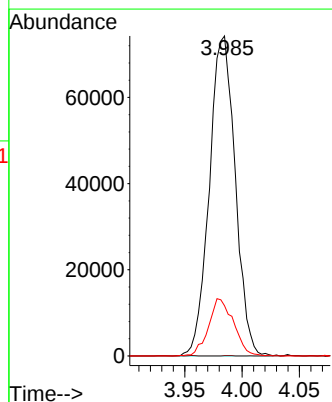
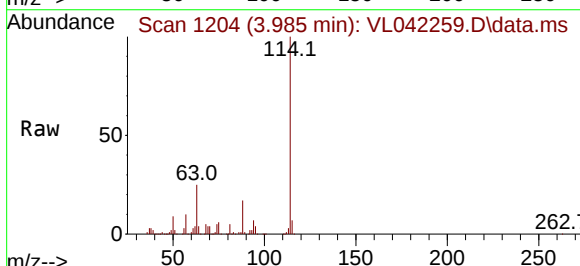
Tgt Ion: 63 Resp: 116550

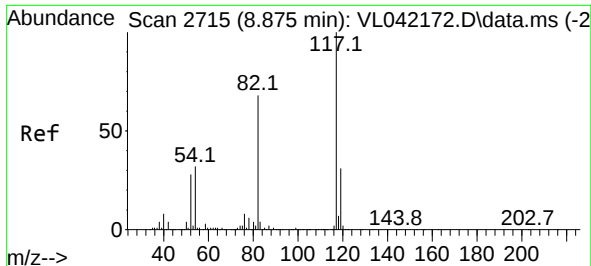
Ion Ratio Lower Upper

63 100

41 0.1 61.7 92.5#

62 15.7 57.6 86.4#

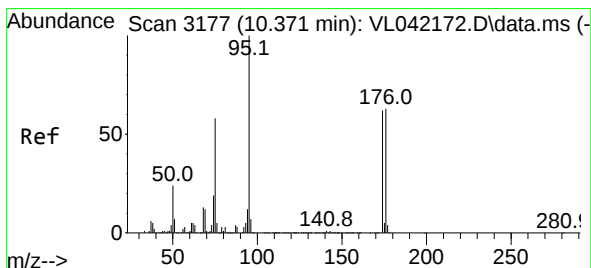
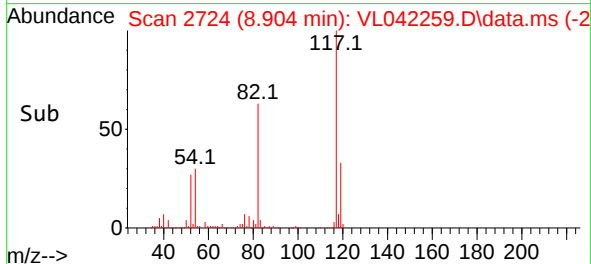
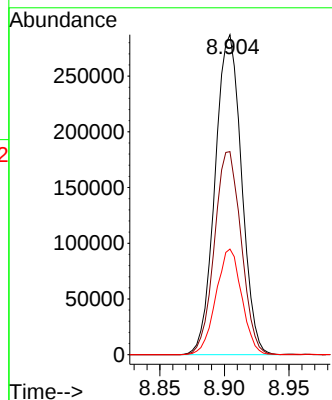
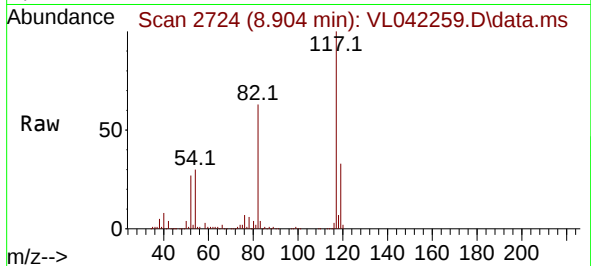




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.904 min Scan# 21
Delta R.T. 0.029 min
Lab File: VL042259.D
Acq: 08 Apr 2025 12:36

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion:117 Resp: 409747
Ion Ratio Lower Upper
117 100
82 64.2 55.8 83.6
119 32.4 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.349 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.023 min
Lab File: VL042259.D
Acq: 08 Apr 2025 12:36

Tgt Ion: 95 Resp: 314583
Ion Ratio Lower Upper
95 100
174 61.2 50.6 76.0
175 4.5 3.8 5.6

