

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL030325\
 Data File : VL042088.D
 Acq On : 03 Mar 2025 21:00
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Mar 04 00:23:57 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)

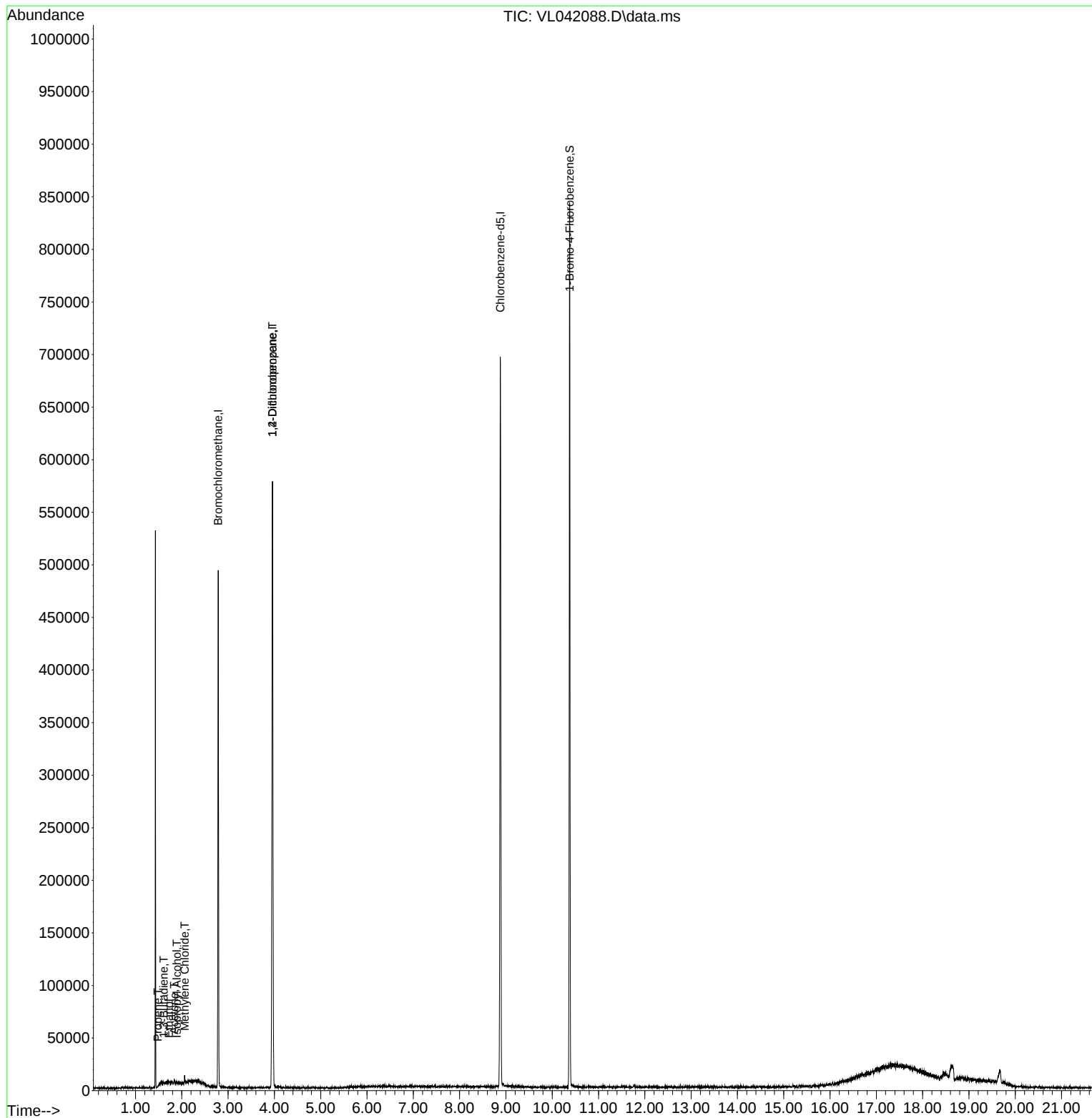
Internal Standards						
1) Bromochloromethane	2.787	49	148507	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.959	114	331344	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.878	117	281191	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	207687	9.600	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.000%
Target Compounds						
					Qvalue	
9) Propene	1.482	41	325	0.037	ppbv #	1
13) Ethanol	1.725	45	383	0.686	ppbv	98
15) Acetone	1.835	43	1636	0.125	ppbv #	49
16) 1,3-Butadiene	1.612	39	218	0.036	ppbv #	12
19) Isopropyl Alcohol	1.894	45	345	0.046	ppbv #	80
20) Methylene Chloride	2.062	84	902	0.182	ppbv	89
39) 1,2-Dichloropropane	3.959	63	88427	6.716	ppbv #	23

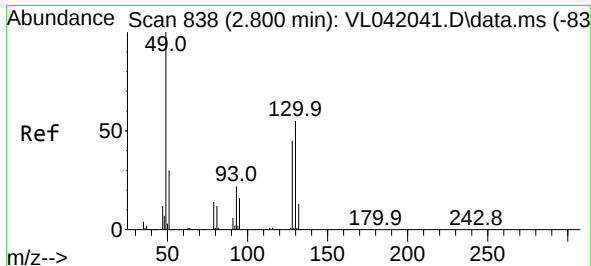
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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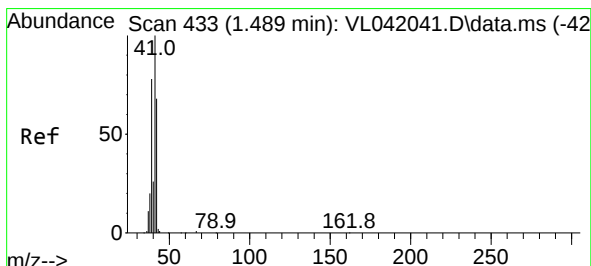
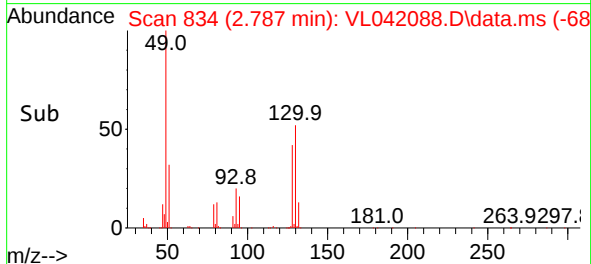
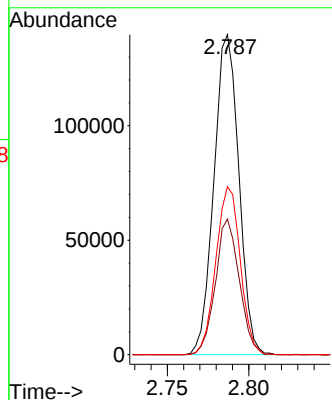
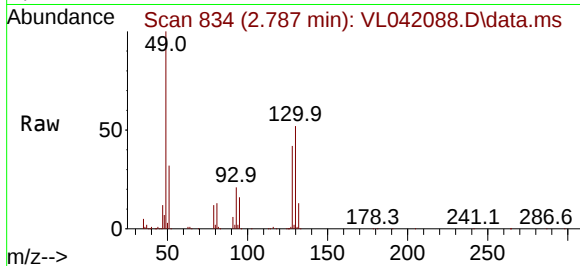




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL042088.D
Acq: 03 Mar 2025 21:00

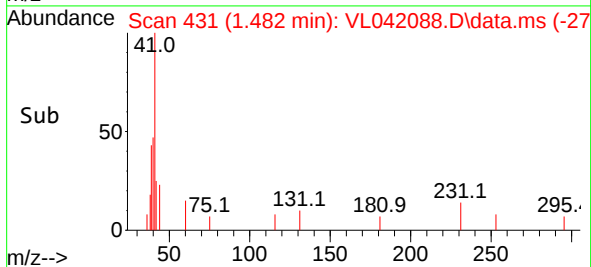
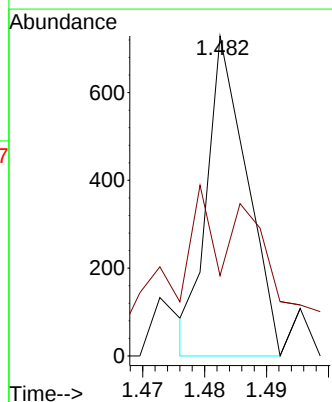
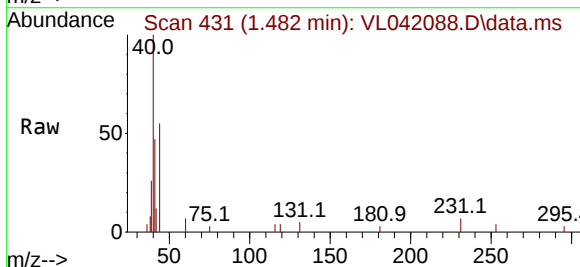
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

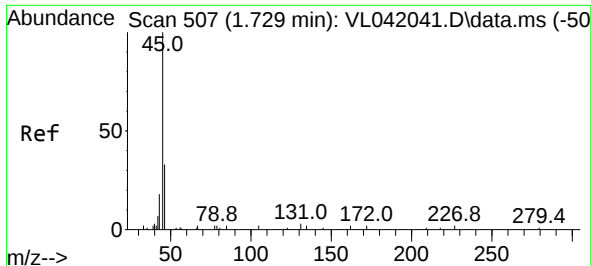
Tgt Ion: 49 Resp: 148507
Ion Ratio Lower Upper
49 100
128 40.7 21.6 64.8
130 51.5 27.8 83.4



#9
Propene
Concen: 0.037 ppbv
RT: 1.482 min Scan# 431
Delta R.T. -0.007 min
Lab File: VL042088.D
Acq: 03 Mar 2025 21:00

Tgt Ion: 41 Resp: 325
Ion Ratio Lower Upper
41 100
42 158.8 55.8 83.6#

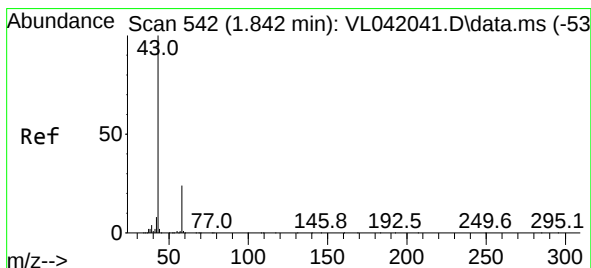
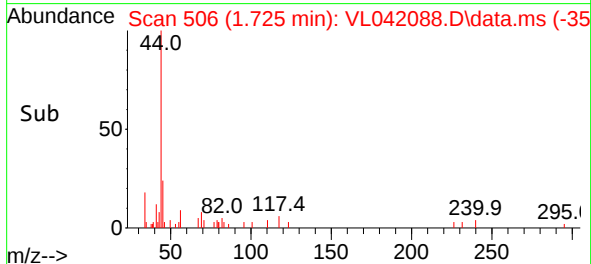
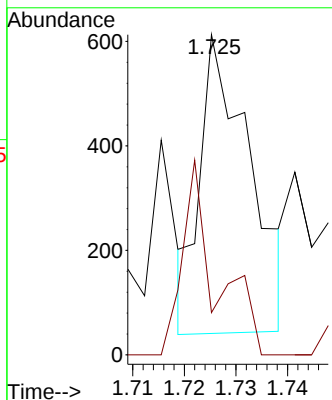
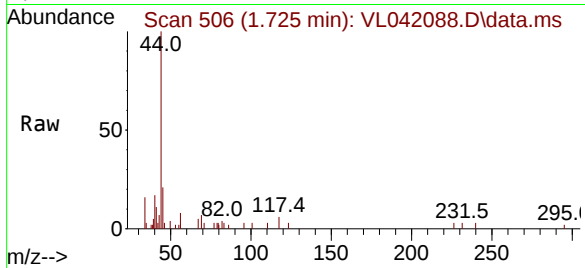




#13
Ethanol
Concen: 0.686 ppbv
RT: 1.725 min Scan# 507
Delta R.T. -0.003 min
Lab File: VL042088.D
Acq: 03 Mar 2025 21:00

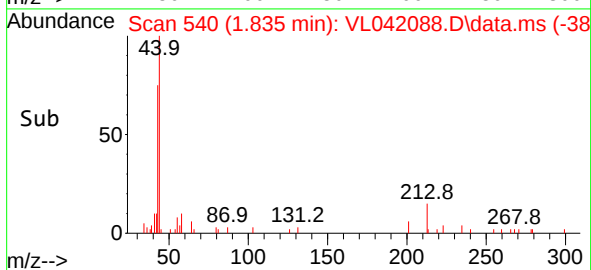
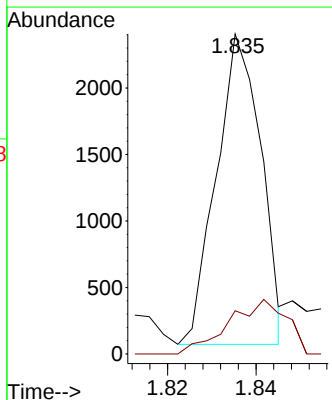
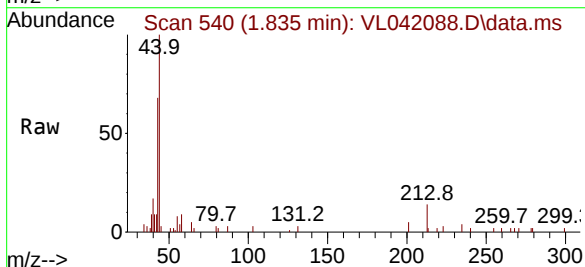
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

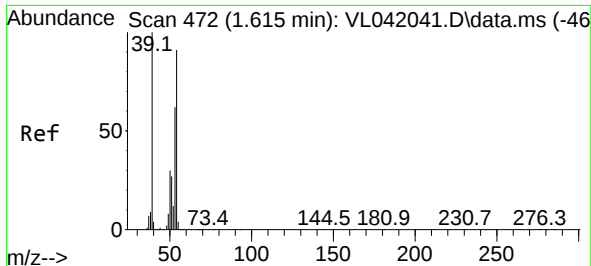
Tgt Ion: 45 Resp: 383
Ion Ratio Lower Upper
45 100
46 43.9 17.1 68.3



#15
Acetone
Concen: 0.125 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.007 min
Lab File: VL042088.D
Acq: 03 Mar 2025 21:00

Tgt Ion: 43 Resp: 1636
Ion Ratio Lower Upper
43 100
58 0.0 20.7 31.1#

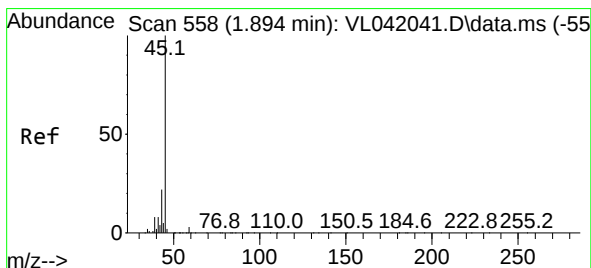
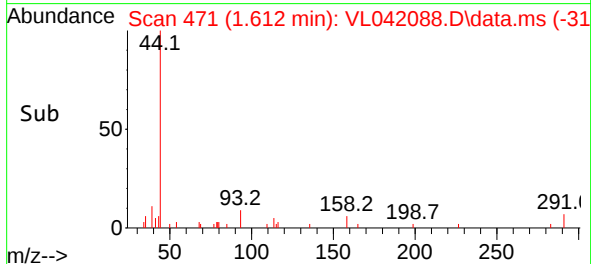
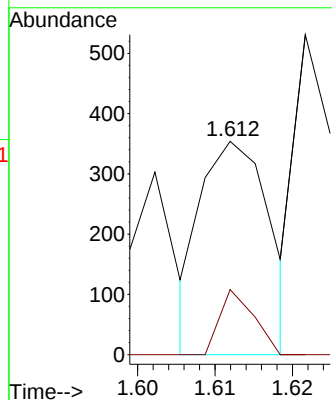
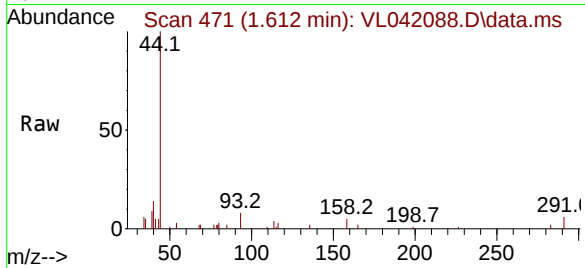




#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.003 min
Lab File: VL042088.D
Acq: 03 Mar 2025 21:00

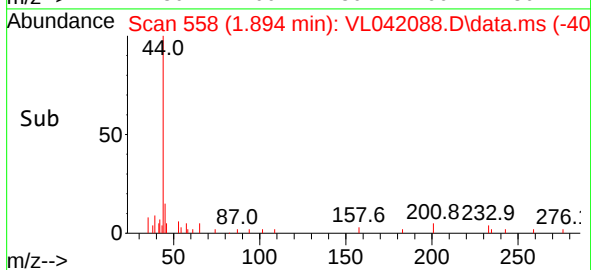
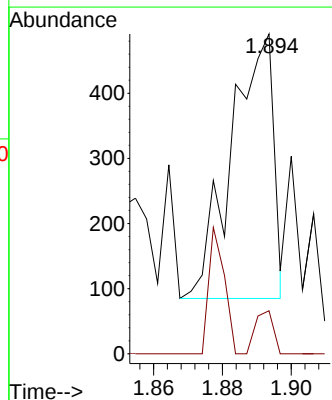
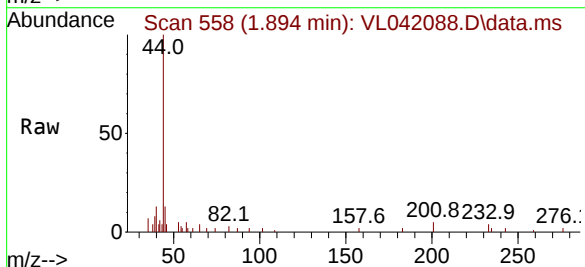
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

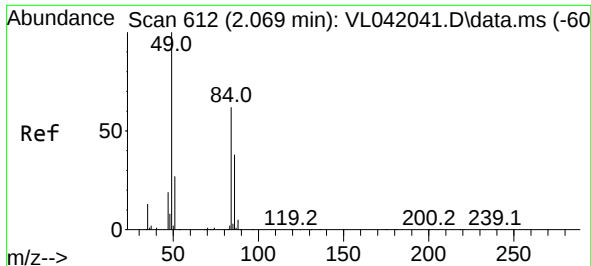
Tgt Ion: 39 Resp: 218
Ion Ratio Lower Upper
39 100
54 0.0 59.6 89.4#



#19
Isopropyl Alcohol
Concen: 0.046 ppbv
RT: 1.894 min Scan# 558
Delta R.T. -0.000 min
Lab File: VL042088.D
Acq: 03 Mar 2025 21:00

Tgt Ion: 45 Resp: 345
Ion Ratio Lower Upper
45 100
58 31.0 35.3 52.9#

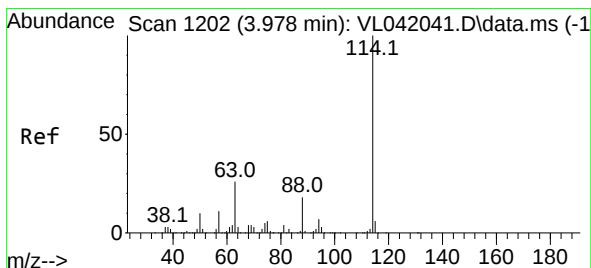
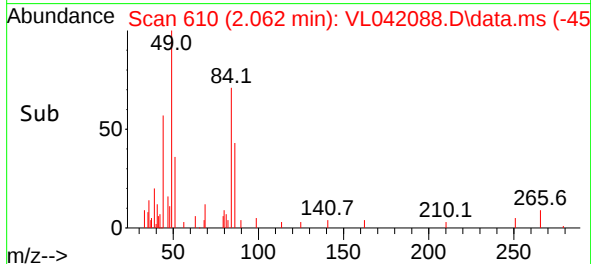
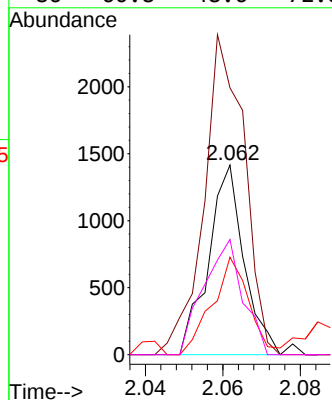
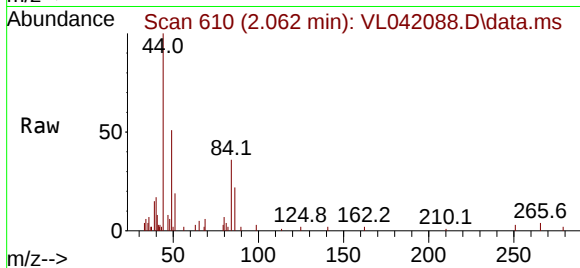




#20
Methylene Chloride
Concen: 0.182 ppbv
RT: 2.062 min Scan# 61
Delta R.T. -0.007 min
Lab File: VL042088.D
Acq: 03 Mar 2025 21:00

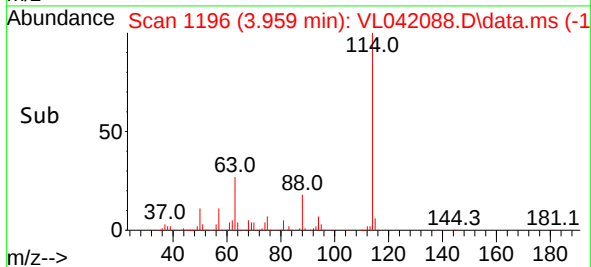
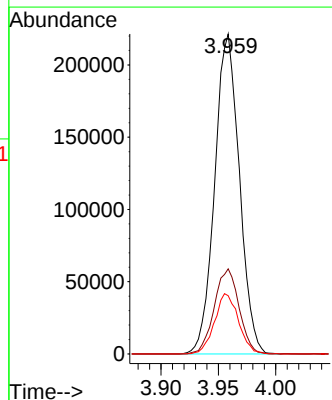
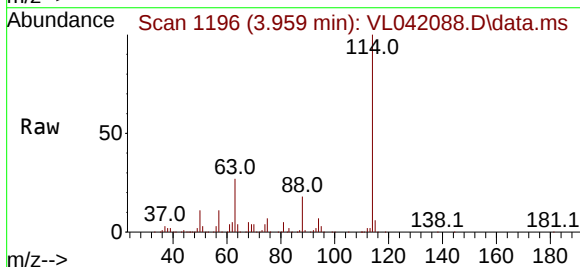
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

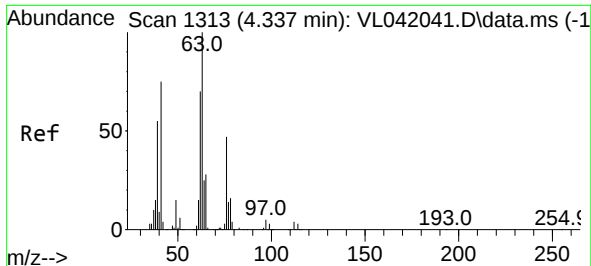
Tgt Ion: 84	Resp: 902
Ion Ratio	Lower Upper
84 100	
49 140.8	130.0 195.0
51 51.4	37.4 56.0
86 60.8	48.6 72.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. -0.020 min
Lab File: VL042088.D
Acq: 03 Mar 2025 21:00

Tgt Ion:114	Resp:	331344	
Ion	Ratio	Lower	Upper
114	100		
63	26.7	20.1	30.1
88	18.3	14.3	21.5





#39

1,2-Dichloropropane

Concen: 6.716 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.379 min

Lab File: VL042088.D

Acq: 03 Mar 2025 21:00

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

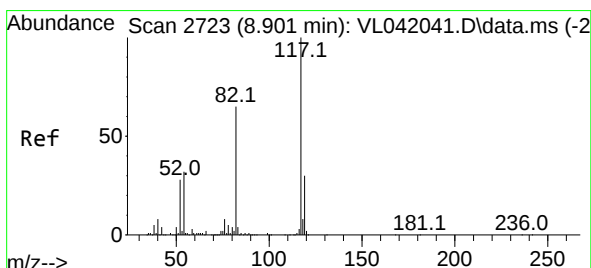
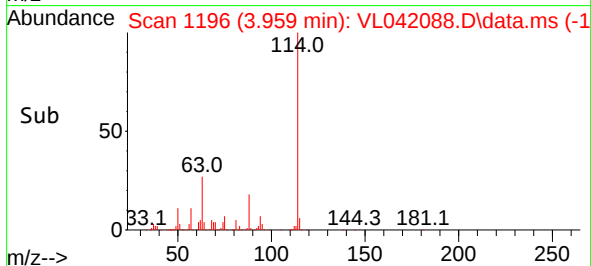
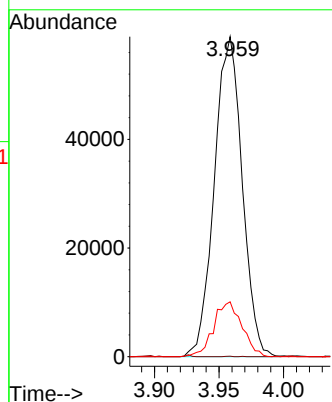
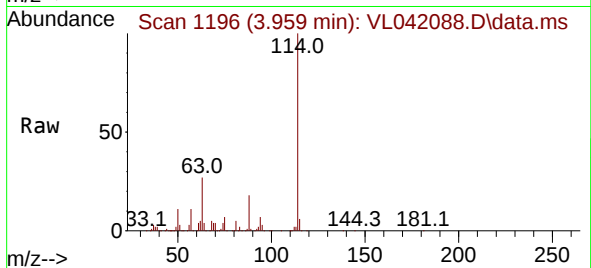
Tgt Ion: 63 Resp: 88427

Ion Ratio Lower Upper

63 100

41 0.1 60.1 90.1#

62 17.1 55.8 83.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.878 min Scan# 2716

Delta R.T. -0.023 min

Lab File: VL042088.D

Acq: 03 Mar 2025 21:00

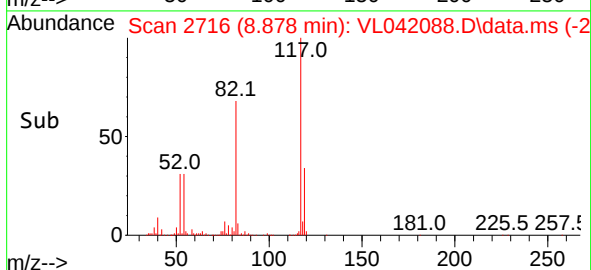
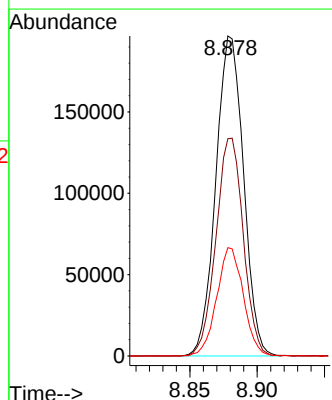
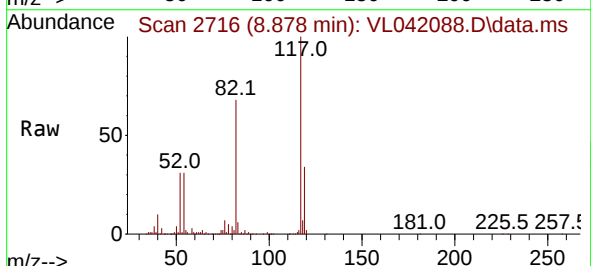
Tgt Ion: 117 Resp: 281191

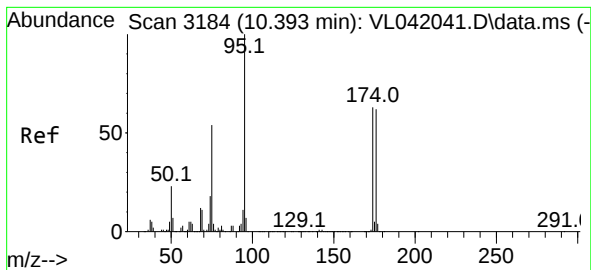
Ion Ratio Lower Upper

117 100

82 67.3 55.0 82.6

119 32.5 25.9 38.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.600 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. -0.020 min
 Lab File: VL042088.D
 Acq: 03 Mar 2025 21:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 207687

Ion	Ratio	Lower	Upper
95	100		
174	62.2	51.8	77.6
175	4.5	3.9	5.9

