

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021524\
 Data File : VL041075.D
 Acq On : 16 Feb 2024 8:03
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Feb 17 00:12:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Sat Feb 17 00:11:10 2024
 Response via : Initial Calibration

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

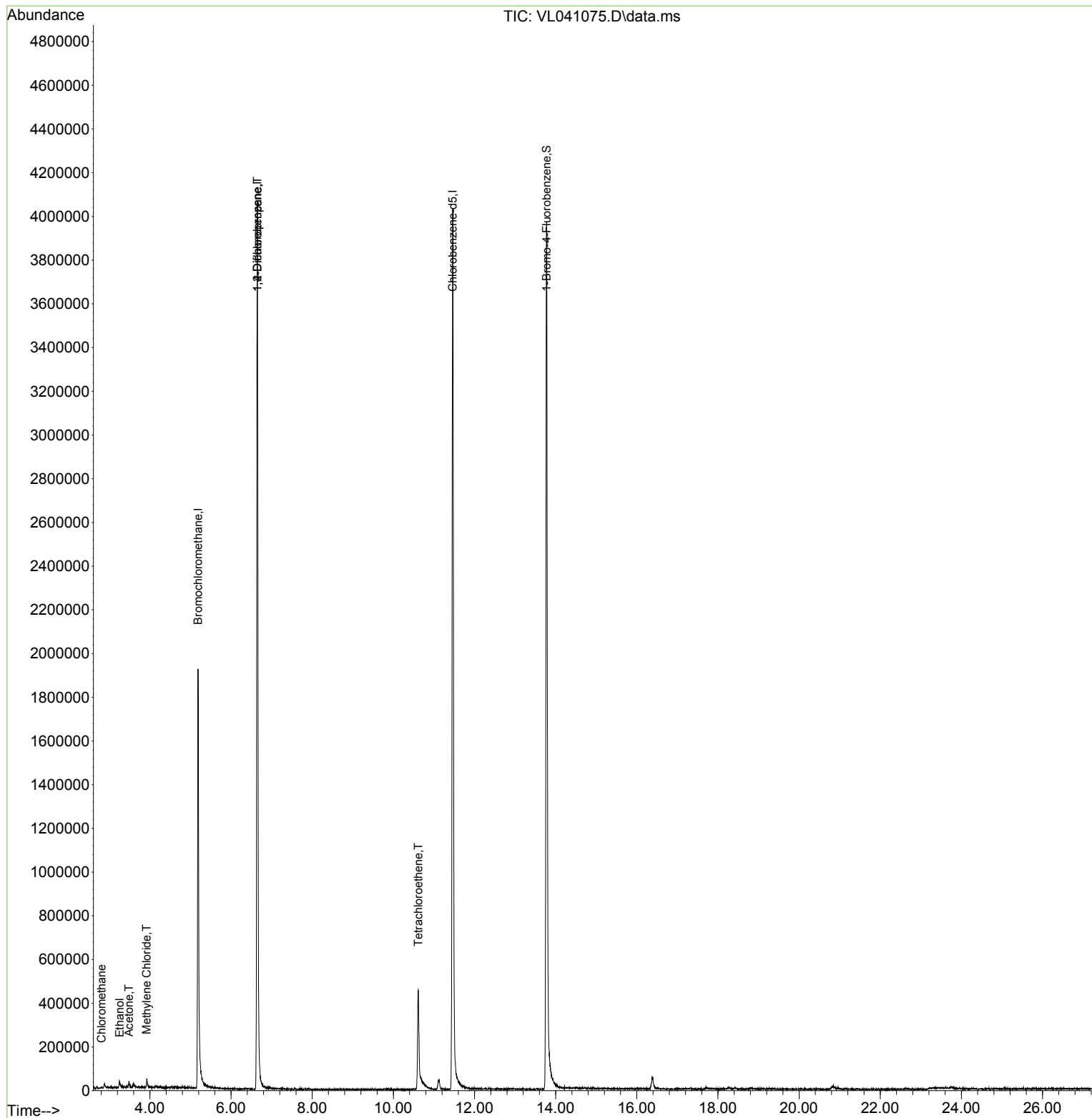
Internal Standards						
1) Bromochloromethane	5.185	49	992948	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	3276287	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.465	117	2830737	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	2103124	9.836	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.400%
Target Compounds						
					Qvalue	
4) Chloromethane	2.806	50	1767	0.028	ppbv #	83
13) Ethanol	3.253	45	21798	1.670	ppbv	76
15) Acetone	3.481	43	22954	0.181	ppbv #	77
20) Methylene Chloride	3.922	84	11394	0.233	ppbv	94
39) 1,2-Dichloropropane	6.648	63	770653	7.230	ppbv #	24
52) Tetrachloroethene	10.616	164	115522	1.286	ppbv	94

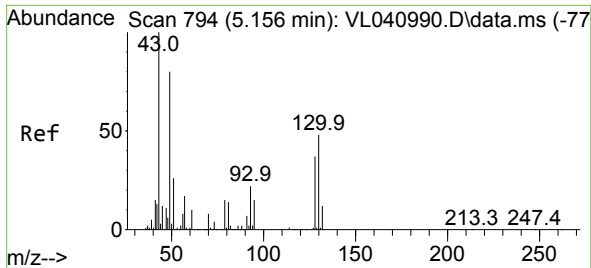
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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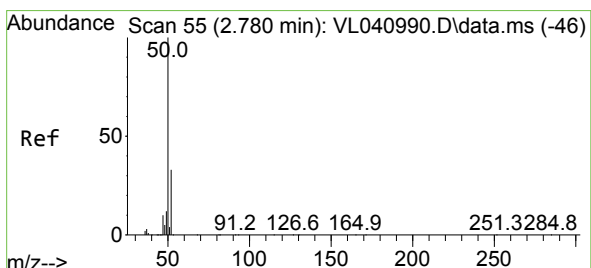
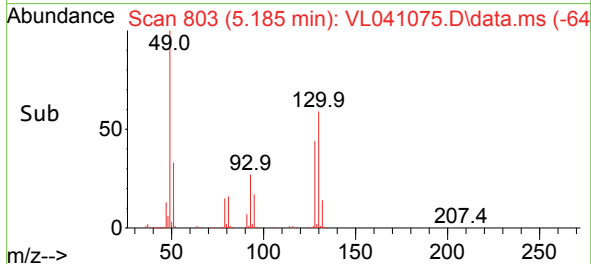
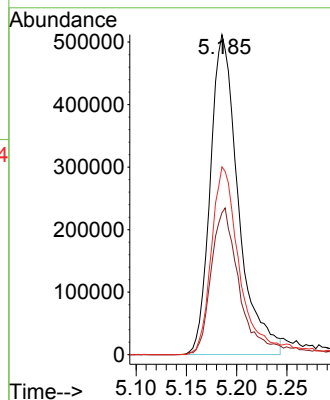
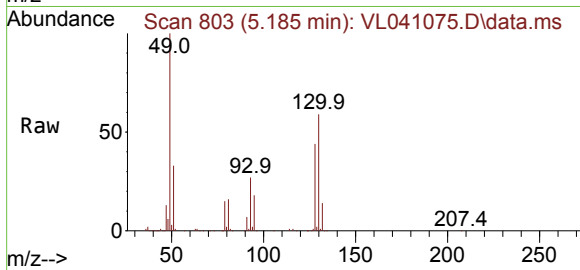




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.185 min Scan# 80
 Delta R.T. 0.009 min
 Lab File: VL041075.D
 Acq: 16 Feb 2024 8:03

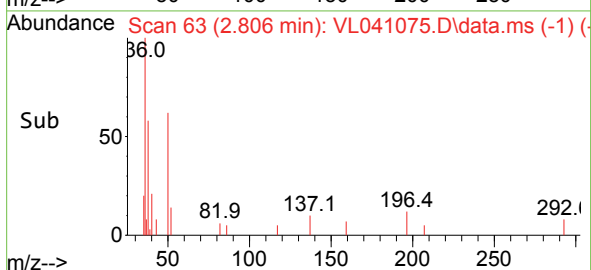
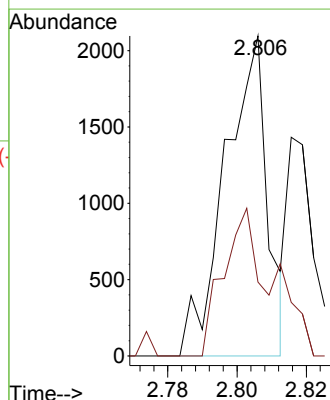
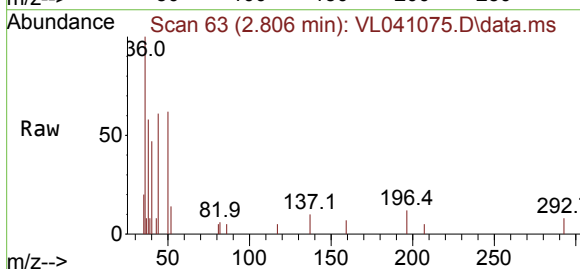
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

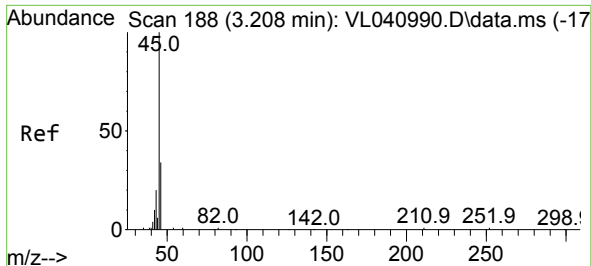
Tgt Ion: 49 Resp: 992948
 Ion Ratio Lower Upper
 49 100
 128 48.8 23.9 71.7
 130 61.9 31.1 93.5



#4
 Chloromethane
 Concen: 0.028 ppbv
 RT: 2.806 min Scan# 63
 Delta R.T. 0.016 min
 Lab File: VL041075.D
 Acq: 16 Feb 2024 8:03

Tgt Ion: 50 Resp: 1767
 Ion Ratio Lower Upper
 50 100
 52 23.1 26.2 39.4#

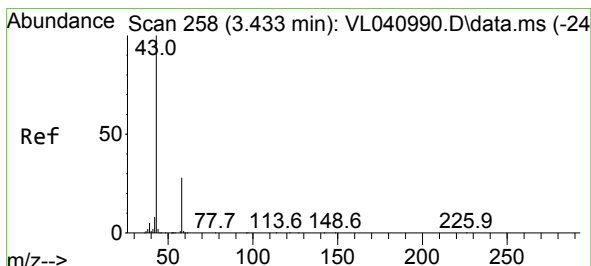
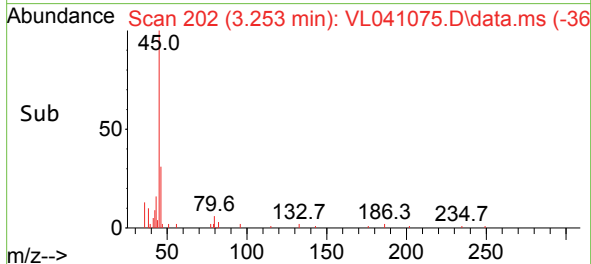
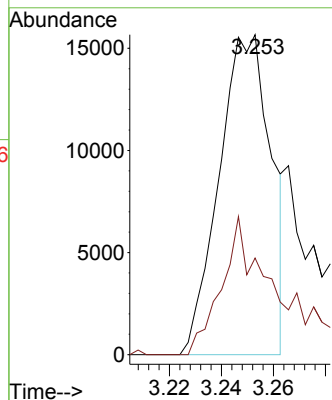
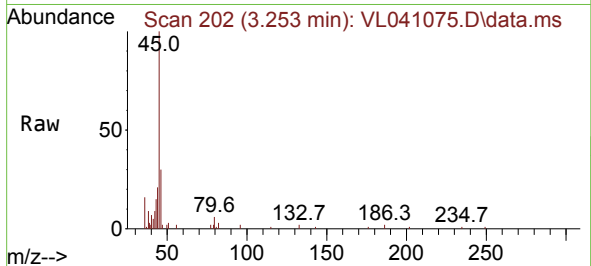




#13
Ethanol
Concen: 1.670 ppbv
RT: 3.253 min Scan# 202
Delta R.T. 0.035 min
Lab File: VL041075.D
Acq: 16 Feb 2024 8:03

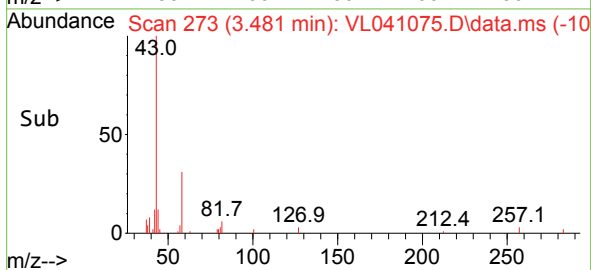
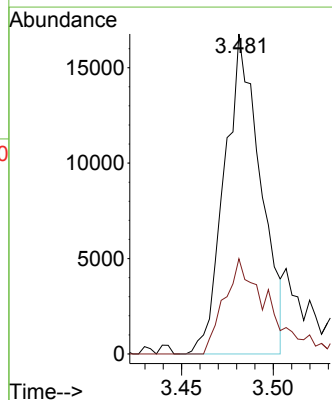
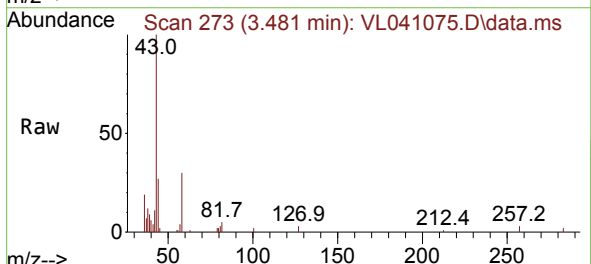
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

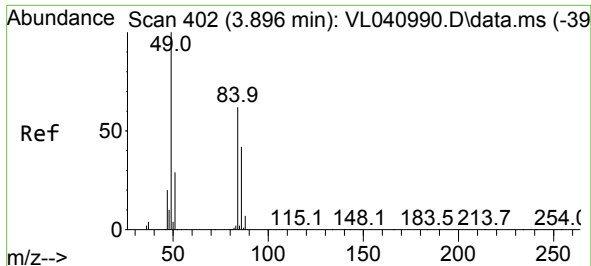
Tgt Ion: 45 Resp: 21798
Ion Ratio Lower Upper
45 100
46 55.4 16.2 64.8



#15
Acetone
Concen: 0.181 ppbv
RT: 3.481 min Scan# 273
Delta R.T. 0.035 min
Lab File: VL041075.D
Acq: 16 Feb 2024 8:03

Tgt Ion: 43 Resp: 22954
Ion Ratio Lower Upper
43 100
58 39.5 22.2 33.2#



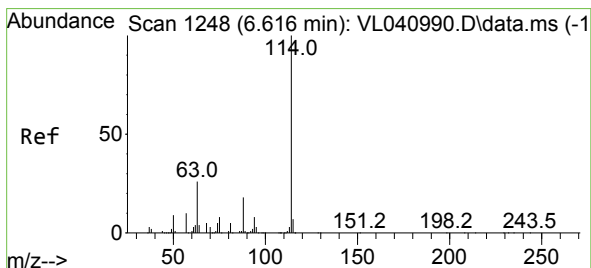
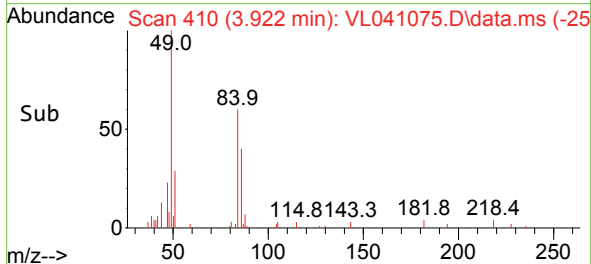
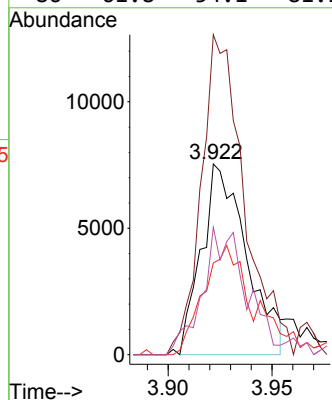
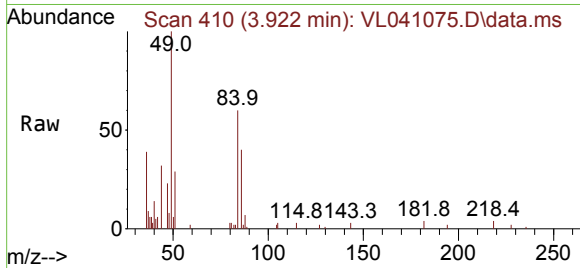


#20
Methylene Chloride
Concen: 0.233 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.010 min
Lab File: VL041075.D
Acq: 16 Feb 2024 8:03

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion: 84 Resp: 11394

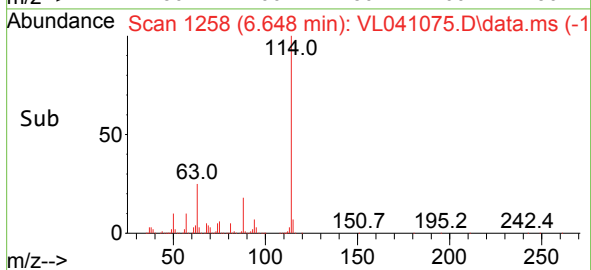
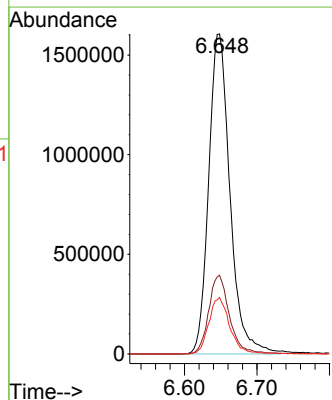
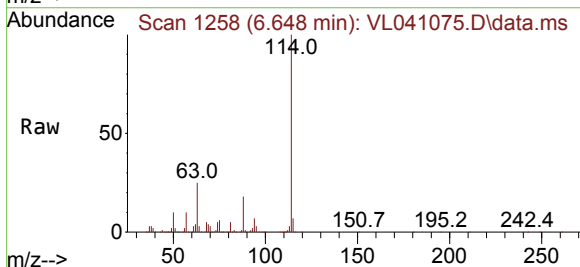
Ion	Ratio	Lower	Upper
84	100		
49	150.8	128.1	192.1
51	45.7	36.5	54.7
86	61.8	54.1	81.1

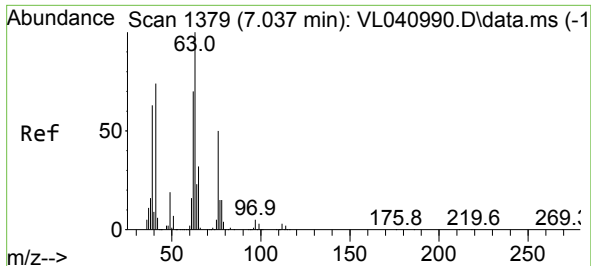


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.010 min
Lab File: VL041075.D
Acq: 16 Feb 2024 8:03

Tgt Ion: 114 Resp: 3276287

Ion	Ratio	Lower	Upper
114	100		
63	24.2	20.8	31.2
88	17.6	14.3	21.5





#39

1,2-Dichloropropane

Concen: 7.230 ppbv

RT: 6.648 min Scan# 1

Delta R.T. -0.408 min

Lab File: VL041075.D

Acq: 16 Feb 2024 8:03

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

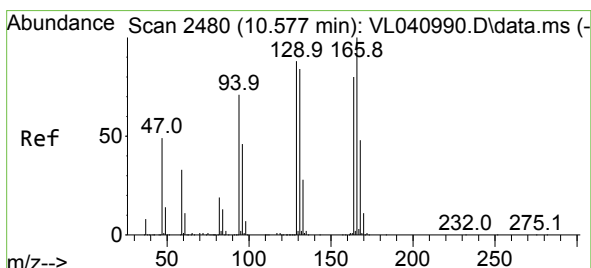
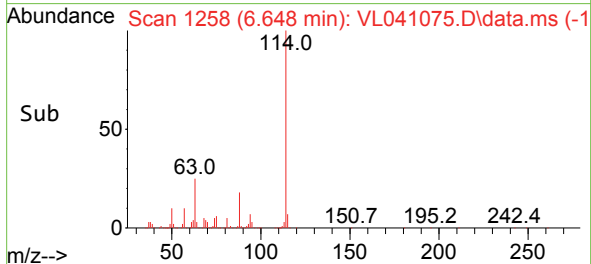
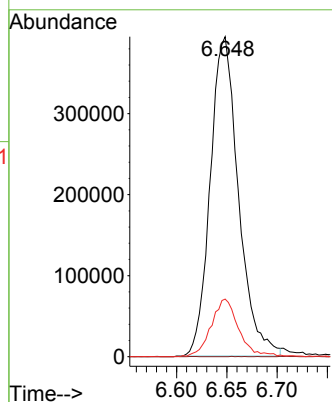
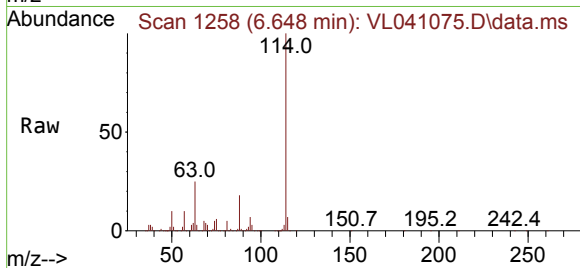
Tgt Ion: 63 Resp: 770653

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 18.0 55.6 83.4#



#52

Tetrachloroethene

Concen: 1.286 ppbv

RT: 10.616 min Scan# 2492

Delta R.T. 0.016 min

Lab File: VL041075.D

Acq: 16 Feb 2024 8:03

Tgt Ion: 164 Resp: 115522

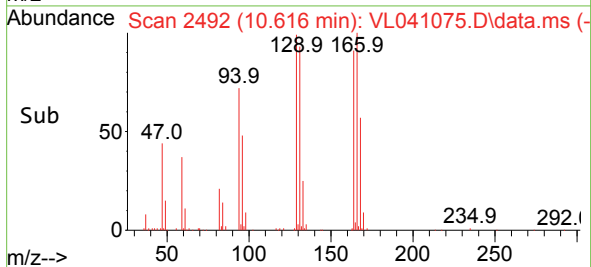
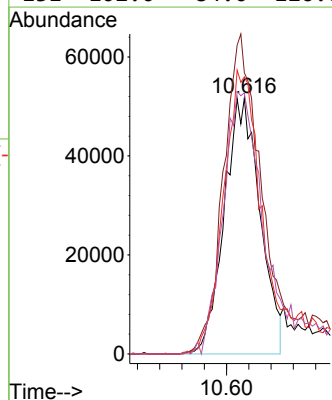
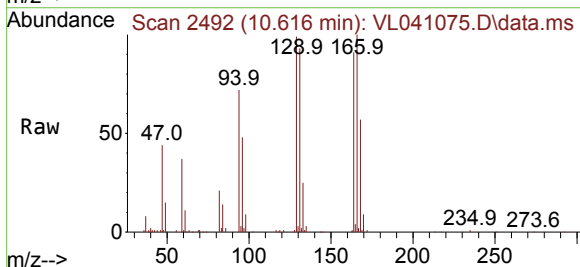
Ion Ratio Lower Upper

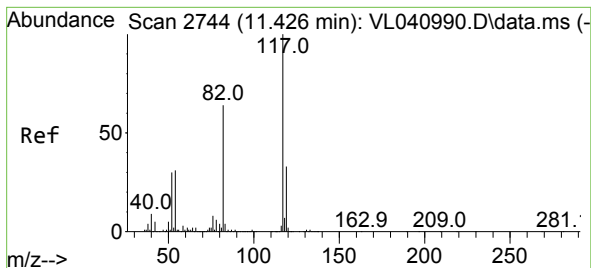
164 100

166 109.8 100.2 150.2

129 108.2 87.9 131.9

131 102.0 84.0 126.0

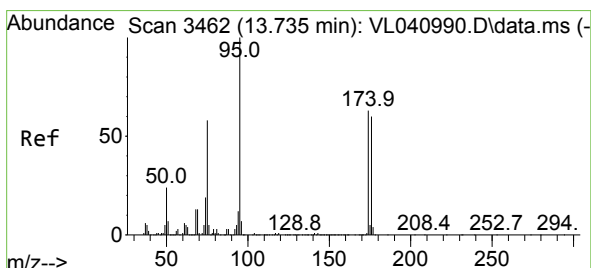
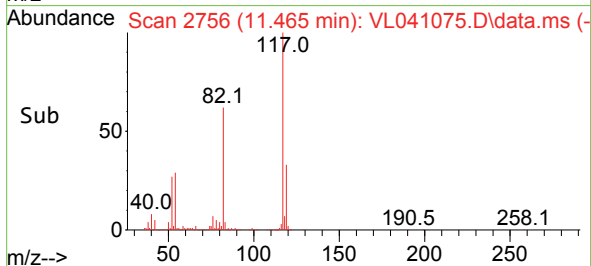
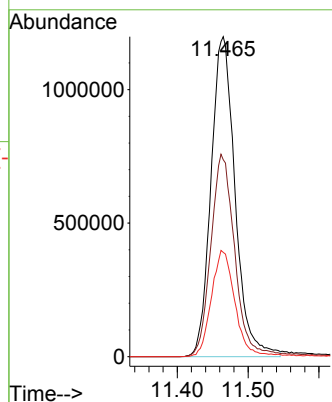
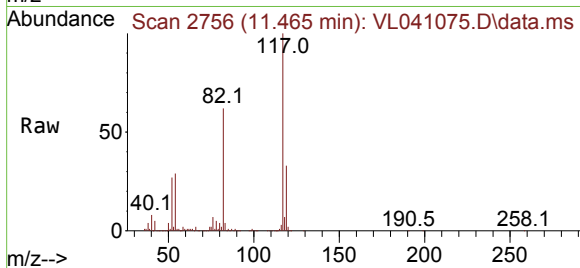




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.465 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL041075.D
Acq: 16 Feb 2024 8:03

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 2830737
Ion Ratio Lower Upper
117 100
82 63.8 51.7 77.5
119 33.0 23.8 35.6



#68
1-Bromo-4-Fluorobenzene
Concen: 9.836 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.016 min
Lab File: VL041075.D
Acq: 16 Feb 2024 8:03

Tgt Ion: 95 Resp: 2103124
Ion Ratio Lower Upper
95 100
174 64.6 49.1 73.7
175 4.8 3.7 5.5

