

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080824\
 Data File : VL041510.D
 Acq On : 8 Aug 2024 13:04
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Aug 09 05:54:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072524AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Aug 06 01:32:58 2024
 Response via : Initial Calibration

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

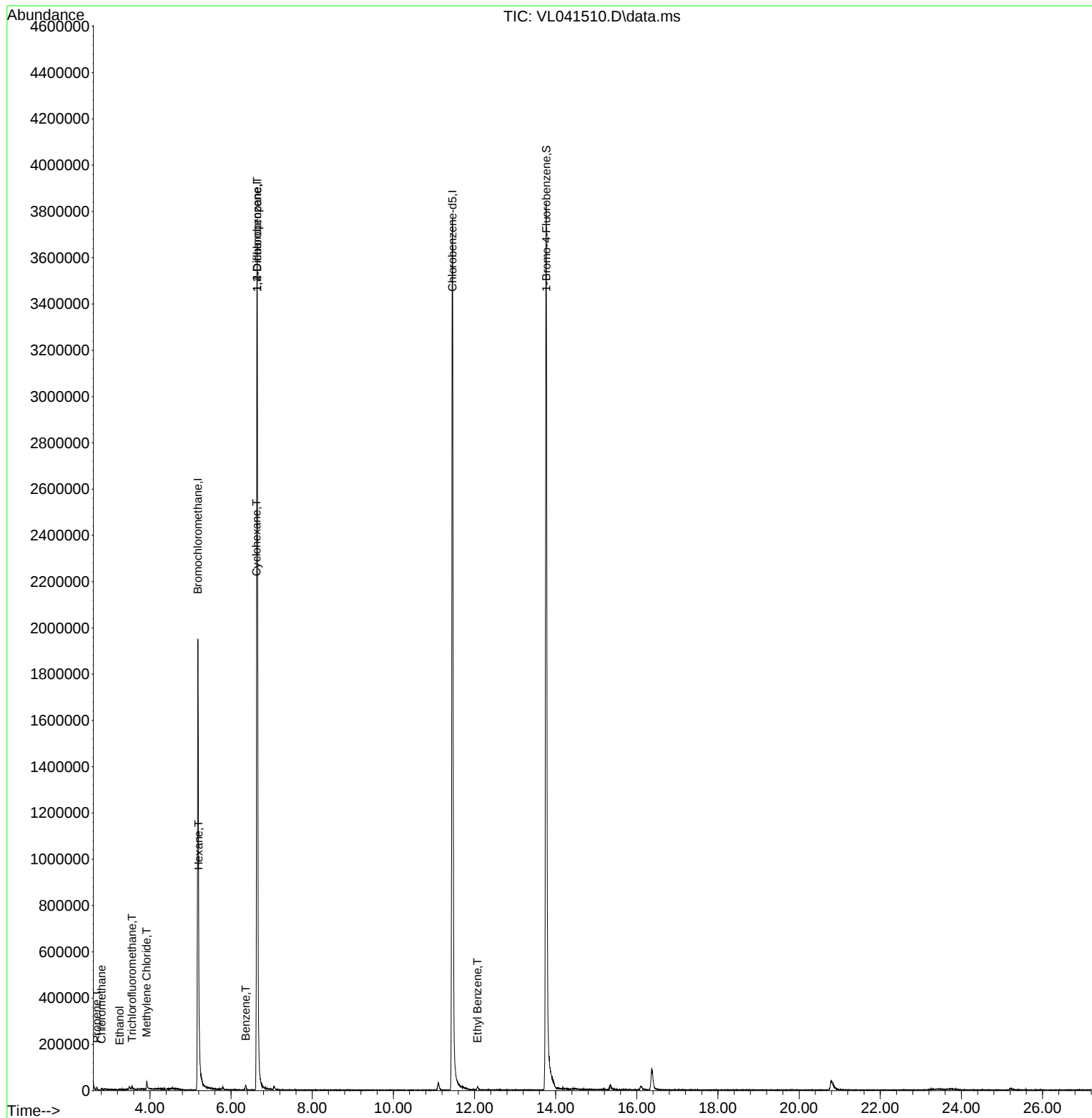
Internal Standards						
1) Bromochloromethane	5.182	49	1002457	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2778923	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2521453	10.000	ppbv	# 0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1916521	9.877	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.800%
Target Compounds						
					Qvalue	
4) Chloromethane	2.806	50	5526	0.087	ppbv	95
9) Propene	2.687	41	3846	0.070	ppbv	90
11) Trichlorofluoromethane	3.555	101	7153	0.047	ppbv	85
13) Ethanol	3.256	45	165	0.034	ppbv	# 41
20) Methylene Chloride	3.922	84	9251	0.218	ppbv	# 74
26) Hexane	5.202	57	6839	0.073	ppbv	# 26
30) Cyclohexane	6.629	84	3819	0.050	ppbv	# 1
36) Benzene	6.362	78	8082	0.040	ppbv	# 90
39) 1,2-Dichloropropane	6.642	63	681806	8.770	ppbv	# 25
58) Ethyl Benzene	12.069	91	11127	0.038	ppbv	93

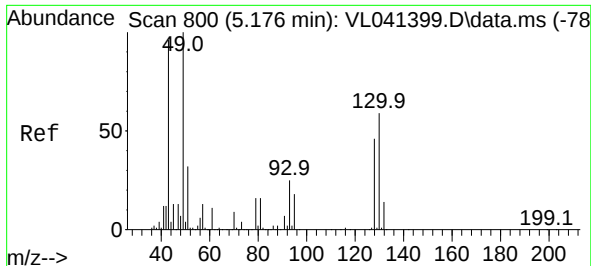
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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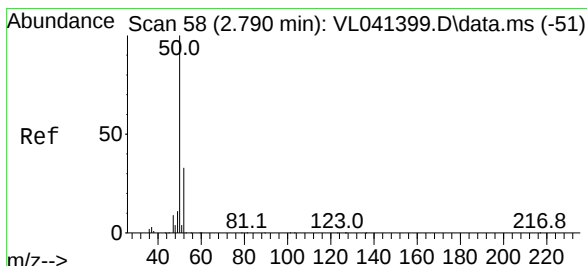
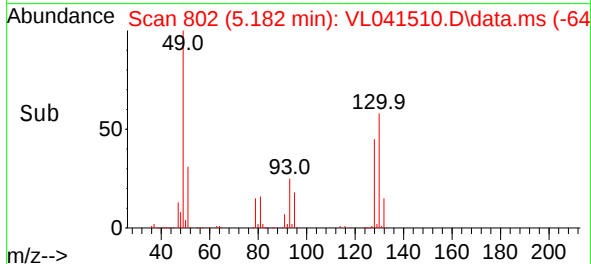
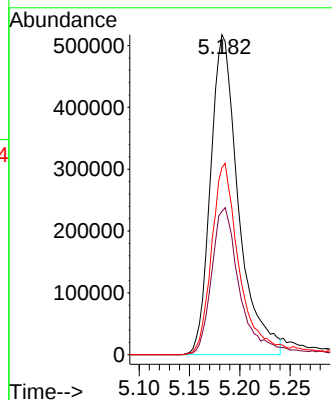
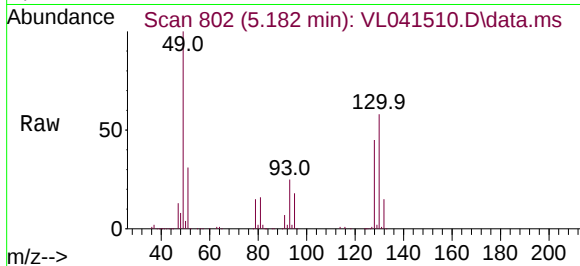




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL041510.D
Acq: 8 Aug 2024 13:04

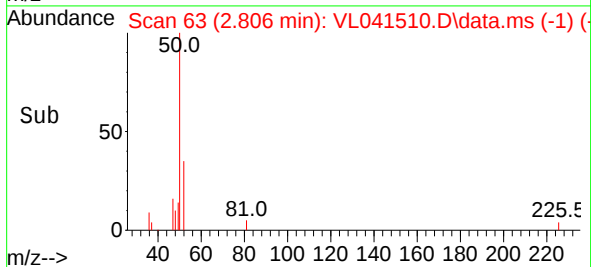
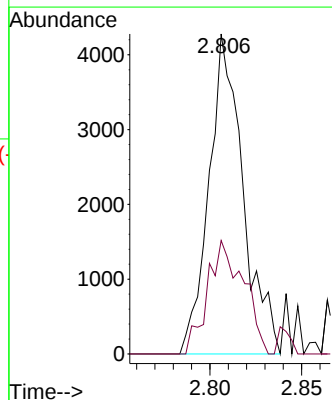
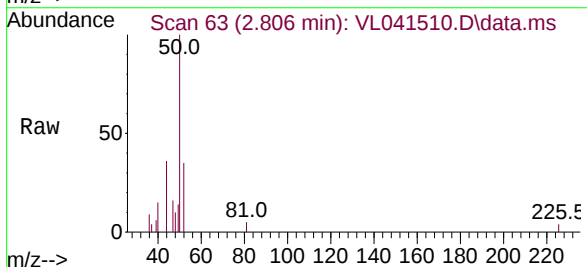
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

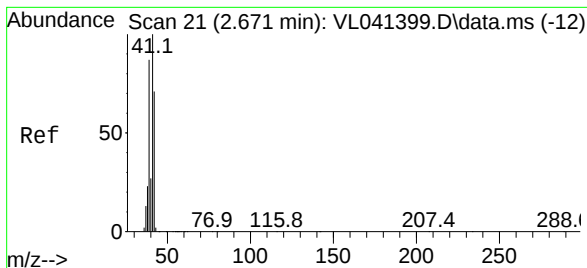
Tgt Ion: 49 Resp: 1002457
Ion Ratio Lower Upper
49 100
128 48.9 23.8 71.4
130 62.1 30.8 92.4



#4
Chloromethane
Concen: 0.087 ppbv
RT: 2.806 min Scan# 63
Delta R.T. -0.010 min
Lab File: VL041510.D
Acq: 8 Aug 2024 13:04

Tgt Ion: 50 Resp: 5526
Ion Ratio Lower Upper
50 100
52 35.4 26.1 39.1





#9

Propene

Concen: 0.070 ppbv

RT: 2.687 min Scan# 21

Delta R.T. -0.009 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

Instrument :

MSVOA_L

ClientSampleId :

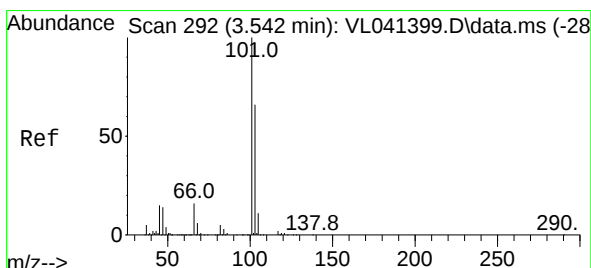
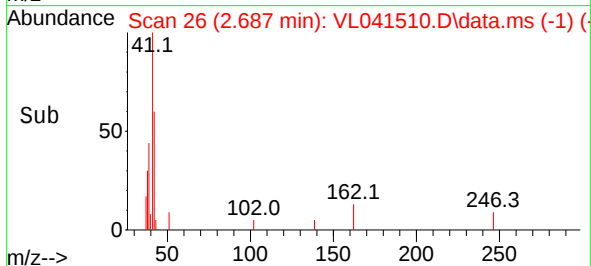
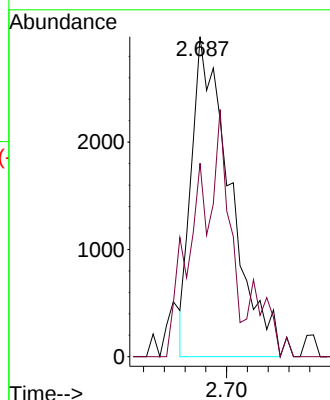
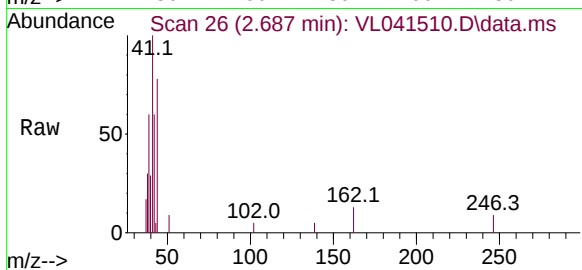
VIBLK

Tgt Ion: 41 Resp: 3846

Ion Ratio Lower Upper

41 100

42 77.8 55.9 83.9



#11

Trichlorofluoromethane

Concen: 0.047 ppbv

RT: 3.555 min Scan# 296

Delta R.T. -0.006 min

Lab File: VL041510.D

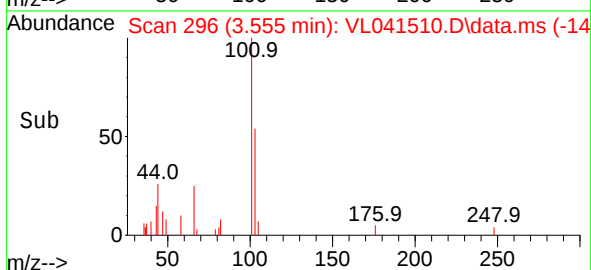
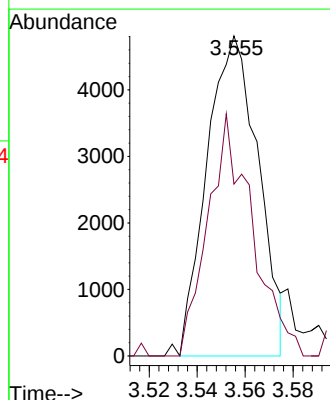
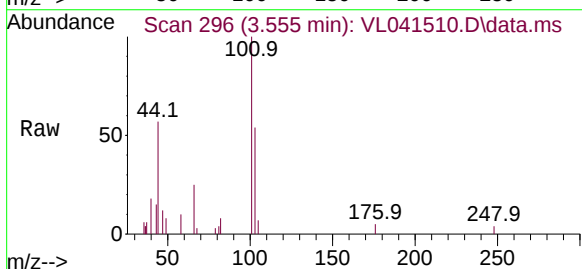
Acq: 8 Aug 2024 13:04

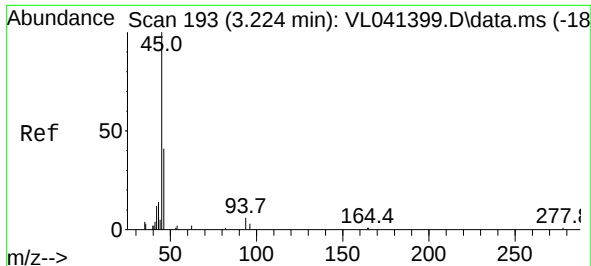
Tgt Ion: 101 Resp: 7153

Ion Ratio Lower Upper

101 100

103 53.7 52.6 79.0





#13

Ethanol

Concen: 0.034 ppbv

RT: 3.256 min Scan# 20

Delta R.T. 0.013 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

Instrument :

MSVOA_L

ClientSampleId :

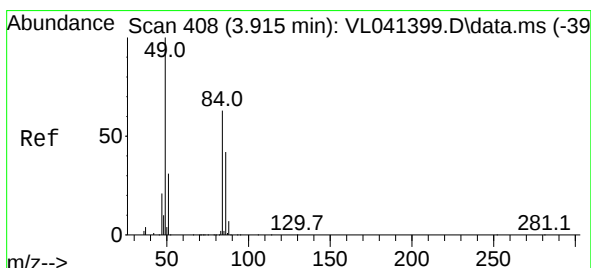
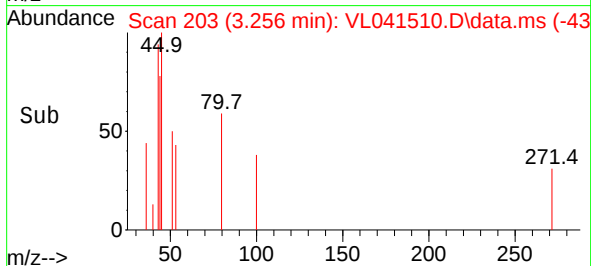
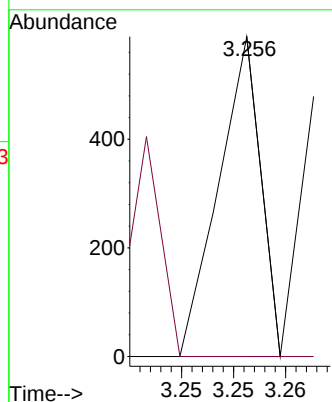
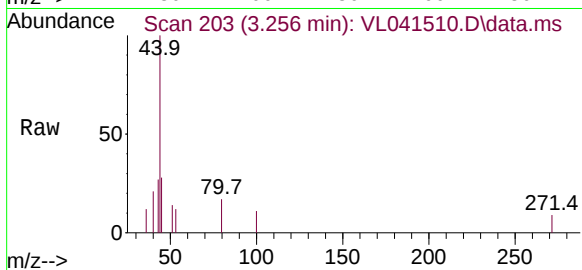
VIBLK

Tgt Ion: 45 Resp: 165

Ion Ratio Lower Upper

45 100

46 0.0 13.4 53.4#



#20

Methylene Chloride

Concen: 0.218 ppbv

RT: 3.922 min Scan# 410

Delta R.T. -0.009 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

Tgt Ion: 84 Resp: 9251

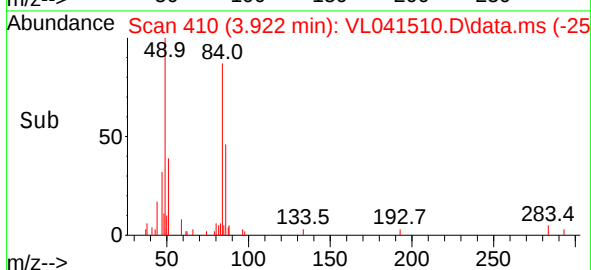
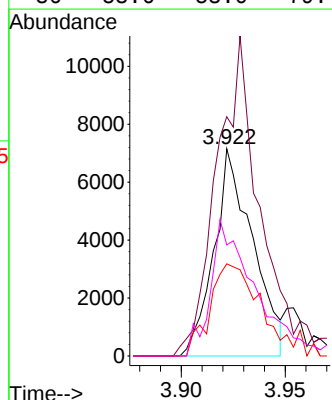
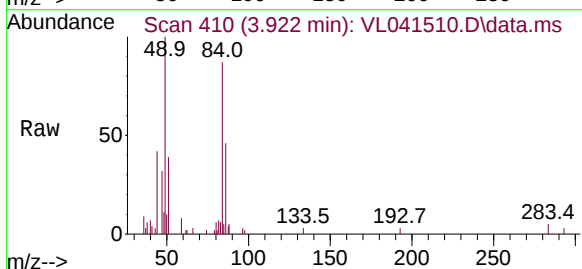
Ion Ratio Lower Upper

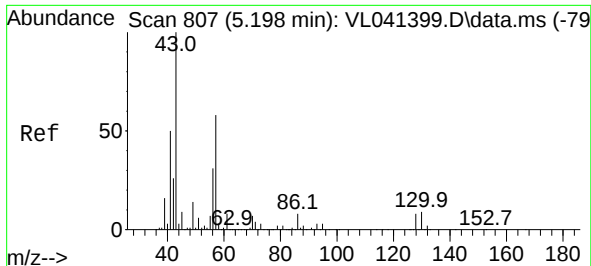
84 100

49 111.0 126.6 190.0#

51 44.5 38.6 58.0

86 53.6 53.0 79.4





#26

Hexane

Concen: 0.073 ppbv

RT: 5.202 min Scan# 80

Delta R.T. -0.009 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 57 Resp: 6839

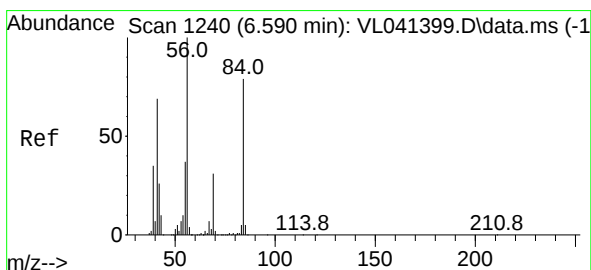
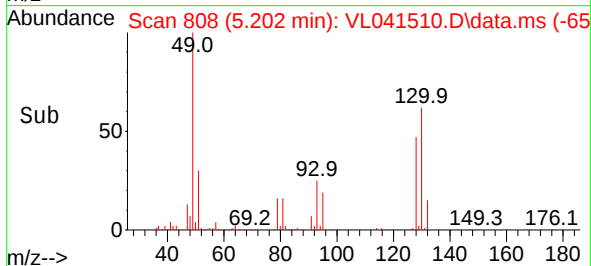
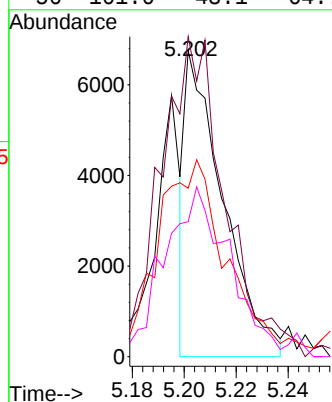
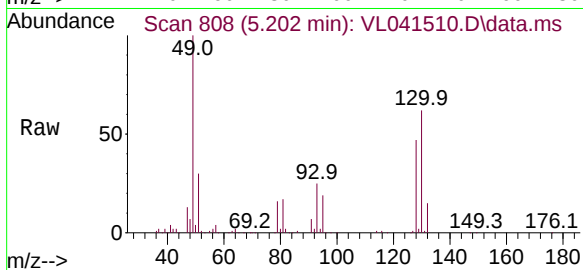
Ion Ratio Lower Upper

57 100

41 178.3 74.0 111.0#

43 122.1 193.6 290.4#

56 101.0 43.1 64.7#



#30

Cyclohexane

Concen: 0.050 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. 0.032 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

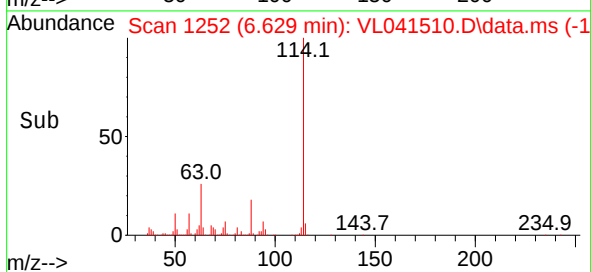
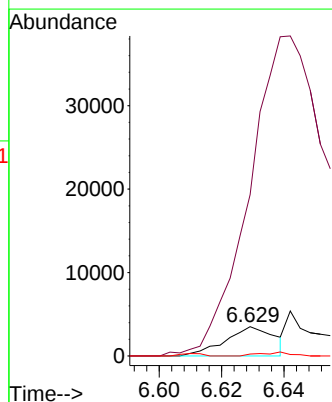
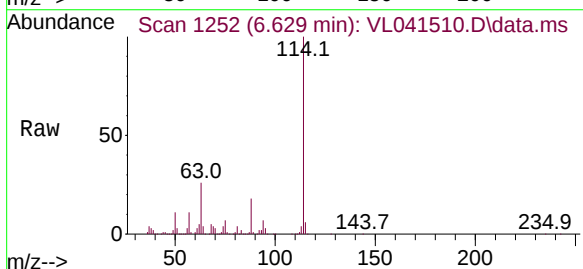
Tgt Ion: 84 Resp: 3819

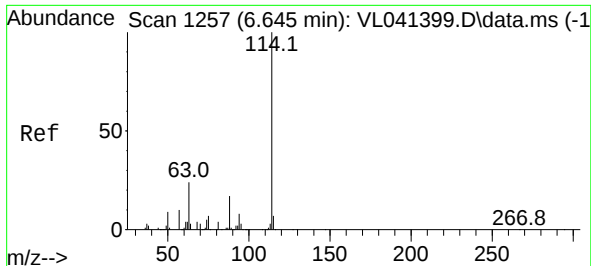
Ion Ratio Lower Upper

84 100

56 0.0 111.2 166.8#

41 3.1 70.3 105.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

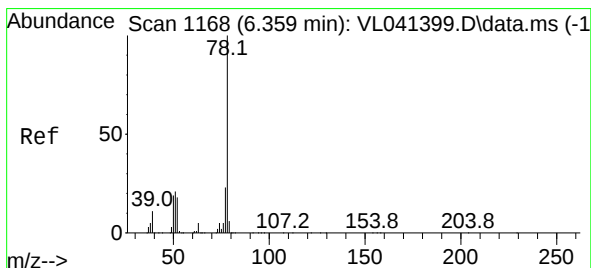
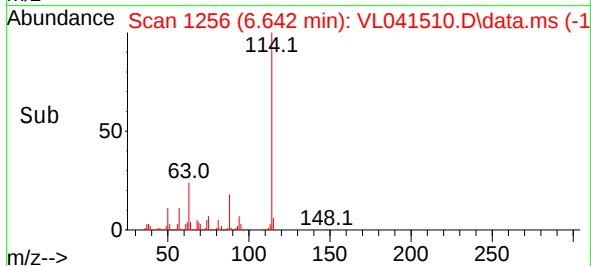
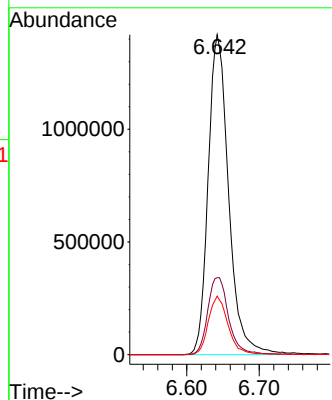
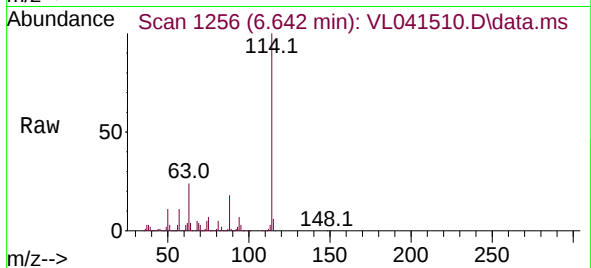
Tgt Ion:114 Resp: 2778923

Ion Ratio Lower Upper

114 100

63 24.9 20.3 30.5

88 17.8 14.3 21.5



#36

Benzene

Concen: 0.040 ppbv

RT: 6.362 min Scan# 1169

Delta R.T. -0.006 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

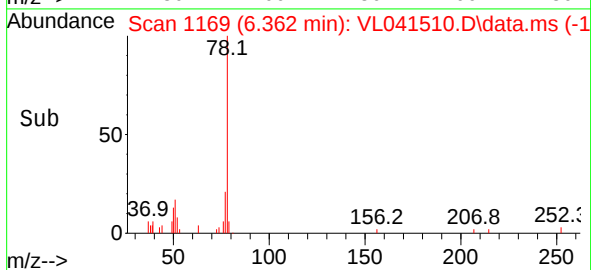
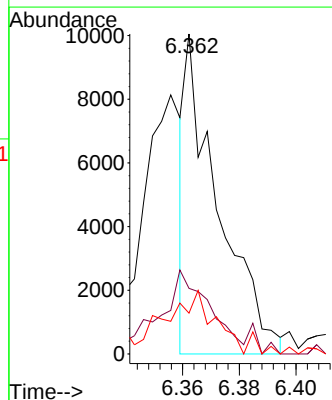
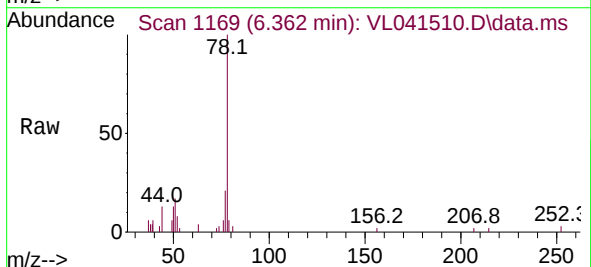
Tgt Ion: 78 Resp: 8082

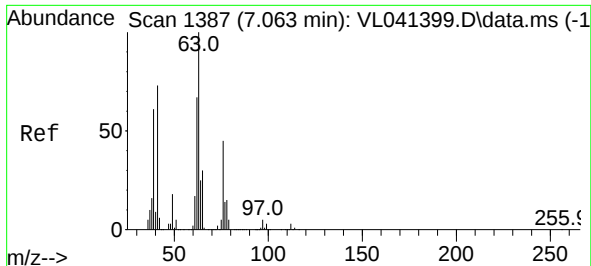
Ion Ratio Lower Upper

78 100

77 22.4 18.1 27.1

50 9.9 15.5 23.3#





#39

1,2-Dichloropropane

Concen: 8.770 ppbv

RT: 6.642 min Scan# 1

Delta R.T. -0.427 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

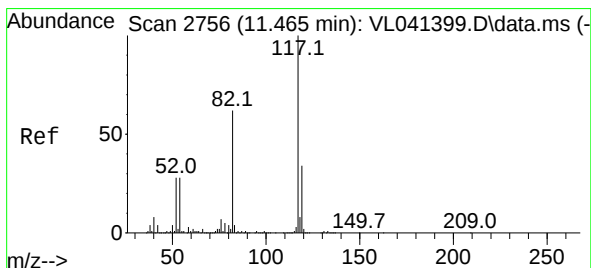
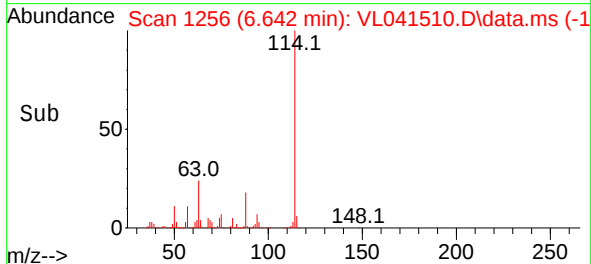
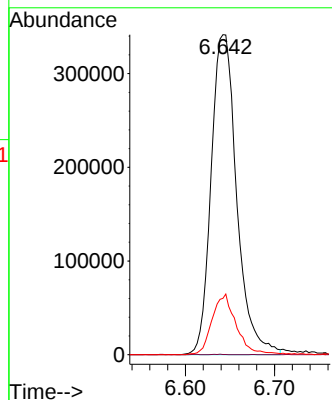
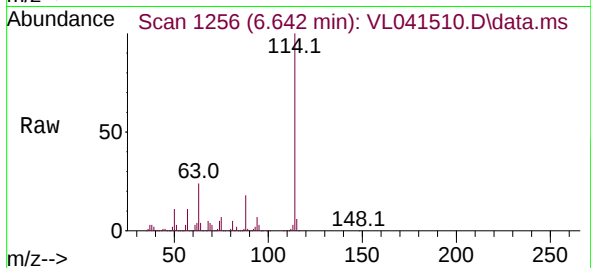
Tgt Ion: 63 Resp: 681806

Ion Ratio Lower Upper

63 100

41 0.1 58.3 87.5#

62 17.6 53.9 80.9#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.455 min Scan# 2753

Delta R.T. -0.006 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

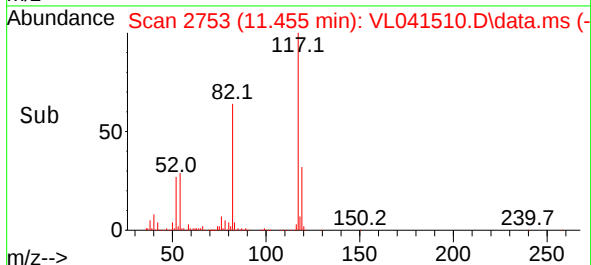
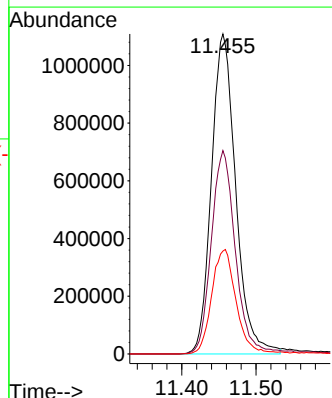
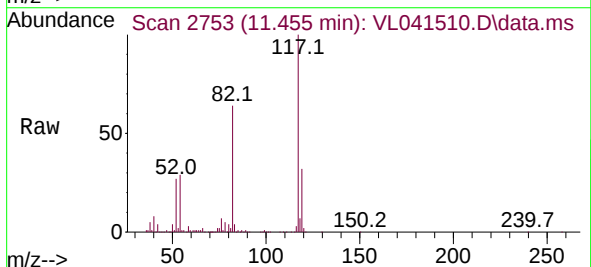
Tgt Ion:117 Resp: 2521453

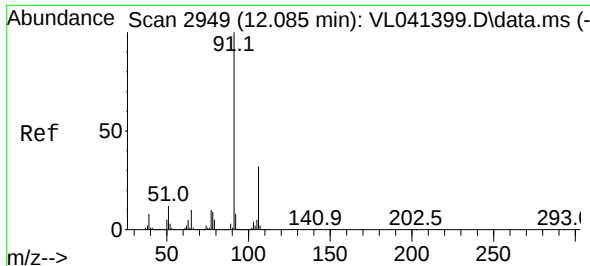
Ion Ratio Lower Upper

117 100

82 64.4 51.0 76.6

119 33.1 45.2 67.8#





#58

Ethyl Benzene

Concen: 0.038 ppbv

RT: 12.069 min Scan# 2944

Delta R.T. -0.016 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

Instrument :

MSVOA_L

ClientSampleId :

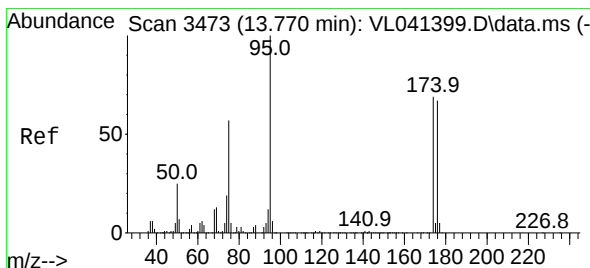
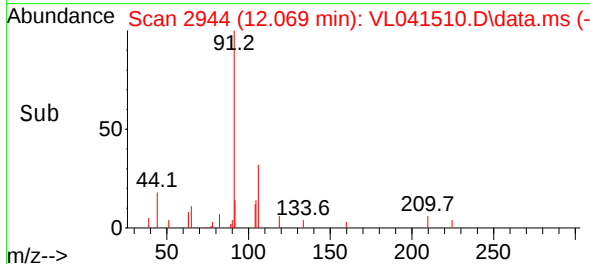
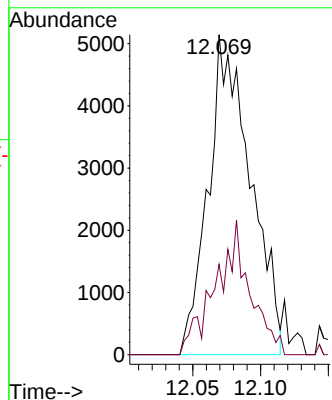
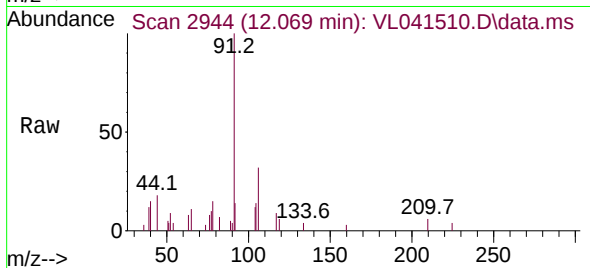
VIBLK

Tgt Ion: 91 Resp: 11127

Ion Ratio Lower Upper

91 100

106 28.2 25.8 38.8



#68

1-Bromo-4-Fluorobenzene

Concen: 9.877 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. 0.000 min

Lab File: VL041510.D

Acq: 8 Aug 2024 13:04

Tgt Ion: 95 Resp: 1916521

Ion Ratio Lower Upper

95 100

174 71.9 56.3 84.5

175 5.2 4.0 6.0

