

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101024\
 Data File : VL041656.D
 Acq On : 10 Oct 2024 23:58
 Operator : SY/MD
 Sample : P4368-13 0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 11 05:48:08 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091624AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 17 09:12:21 2024
 Response via : Initial Calibration

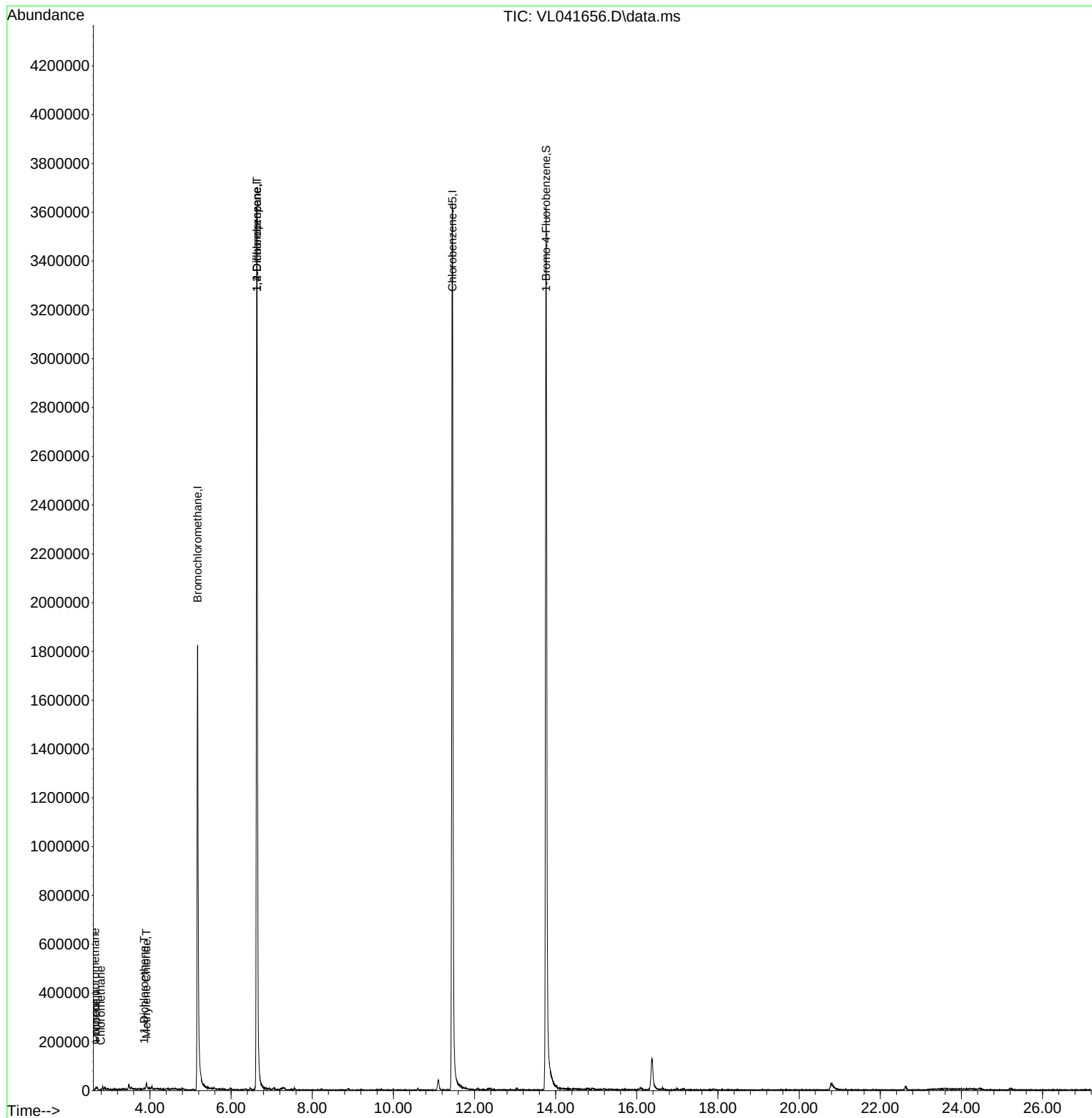
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

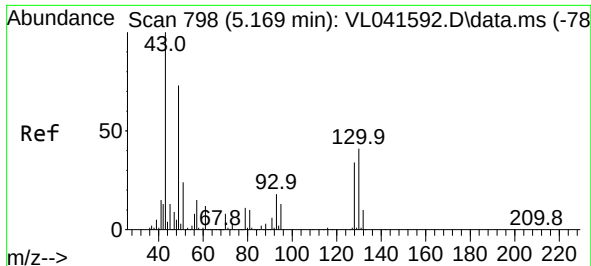
Internal Standards						
1) Bromochloromethane	5.172	49	951807	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2673622	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.452	117	2387802	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	1756744	9.994	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.652	51	3650	0.032	ppbv #	89
4) Chloromethane	2.790	50	2714	0.043	ppbv #	87
9) Propene	2.674	41	3870	0.079	ppbv #	82
18) 1,1-Dichloroethene	3.861	96	1544	0.034	ppbv #	52
20) Methylene Chloride	3.915	84	4458	0.099	ppbv	95
39) 1,2-Dichloropropane	6.635	63	666982	8.830	ppbv #	24

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

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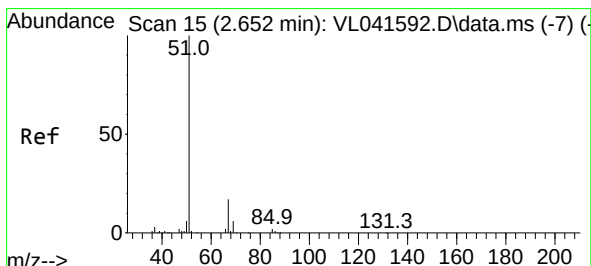
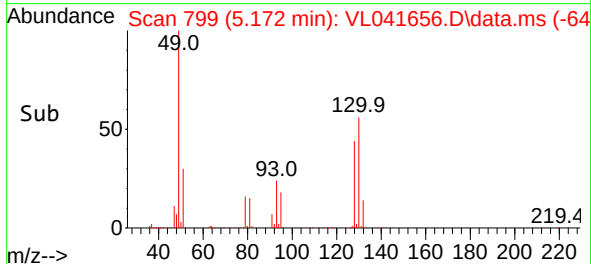
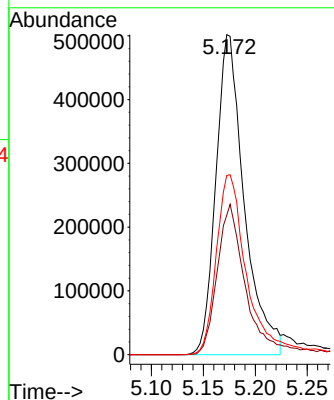
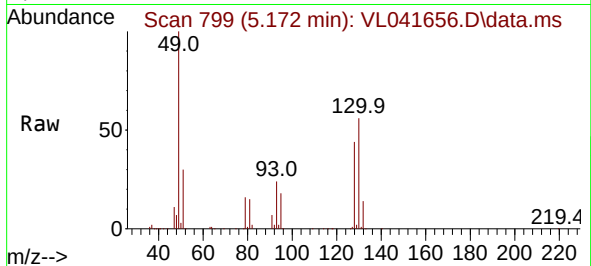




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.172 min Scan# 798
 Delta R.T. 0.003 min
 Lab File: VL041656.D
 Acq: 10 Oct 2024 23:58

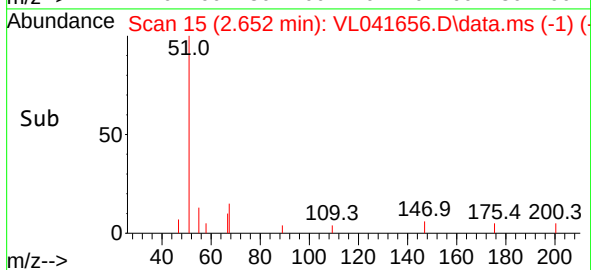
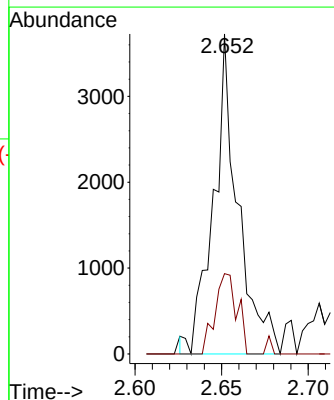
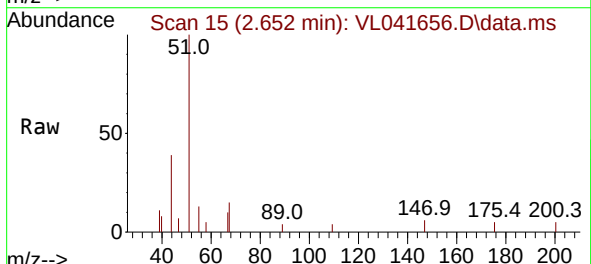
Instrument :
 MSVOA_L
 ClientSampleId :

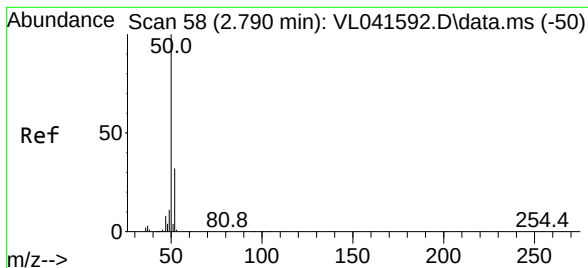
Tgt Ion: 49 Resp: 951807
 Ion Ratio Lower Upper
 49 100
 128 48.8 23.8 71.5
 130 62.6 30.4 91.3



#3
 Chlorodifluoromethane
 Concen: 0.032 ppbv
 RT: 2.652 min Scan# 15
 Delta R.T. 0.000 min
 Lab File: VL041656.D
 Acq: 10 Oct 2024 23:58

Tgt Ion: 51 Resp: 3650
 Ion Ratio Lower Upper
 51 100
 67 22.6 14.1 21.1#

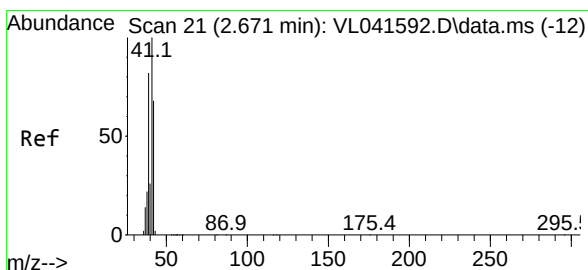
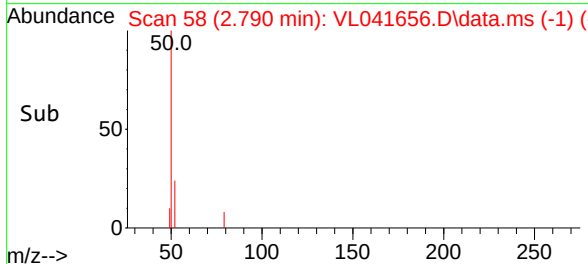
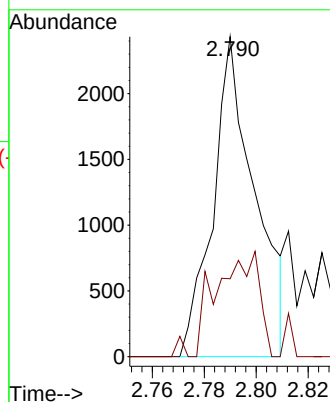
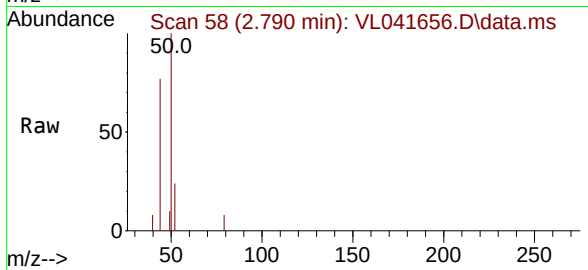




#4
Chloromethane
Concen: 0.043 ppbv
RT: 2.790 min Scan# 51
Delta R.T. 0.000 min
Lab File: VL041656.D
Acq: 10 Oct 2024 23:58

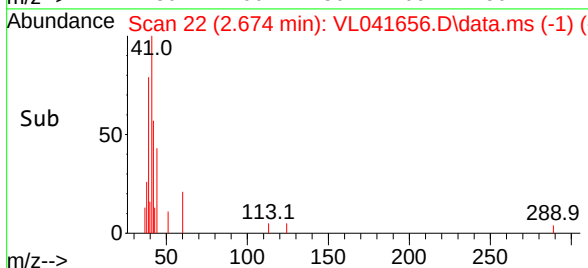
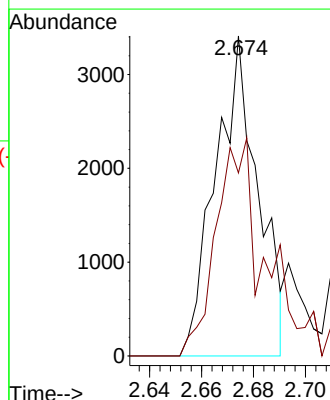
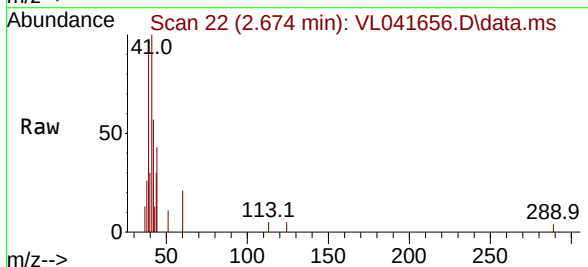
Instrument :
MSVOA_L
ClientSampleId :

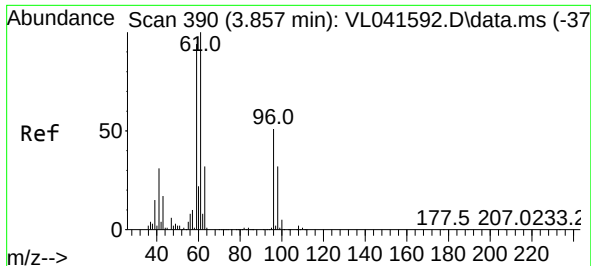
Tgt Ion: 50 Resp: 2714
Ion Ratio Lower Upper
50 100
52 24.4 25.4 38.2#



#9
Propene
Concen: 0.079 ppbv
RT: 2.674 min Scan# 22
Delta R.T. 0.003 min
Lab File: VL041656.D
Acq: 10 Oct 2024 23:58

Tgt Ion: 41 Resp: 3870
Ion Ratio Lower Upper
41 100
42 83.4 55.2 82.8#

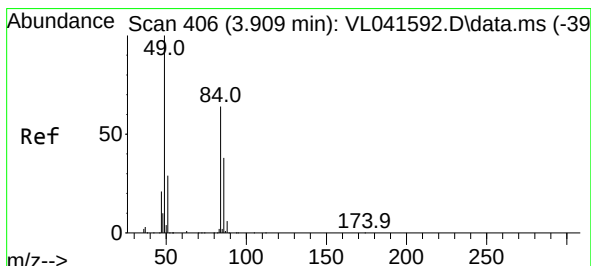
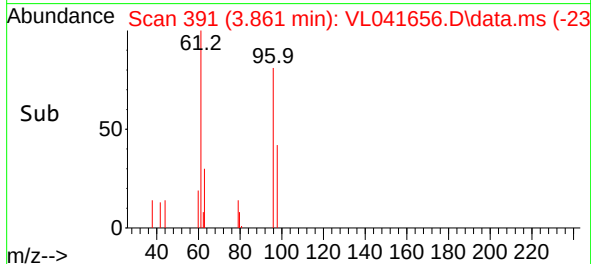
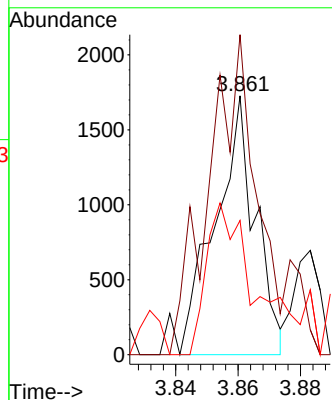
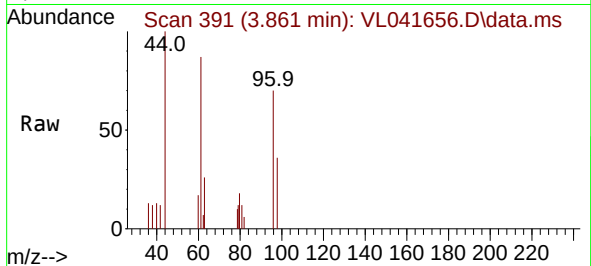




#18
1,1-Dichloroethene
Concen: 0.034 ppbv
RT: 3.861 min Scan# 390
Delta R.T. 0.003 min
Lab File: VL041656.D
Acq: 10 Oct 2024 23:58

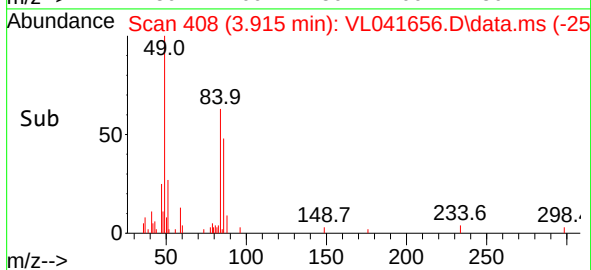
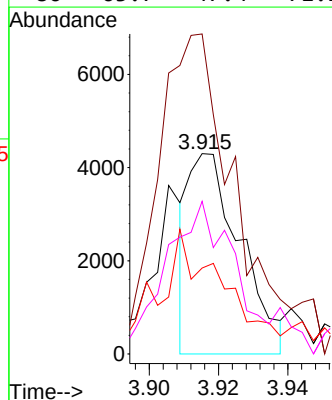
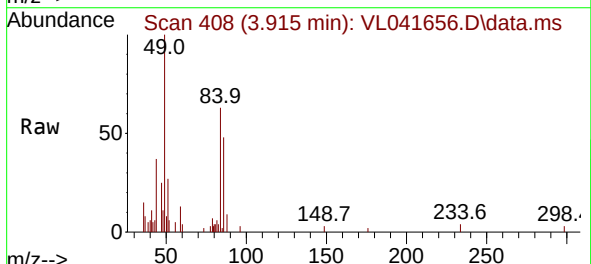
Instrument :
MSVOA_L
ClientSampleId :

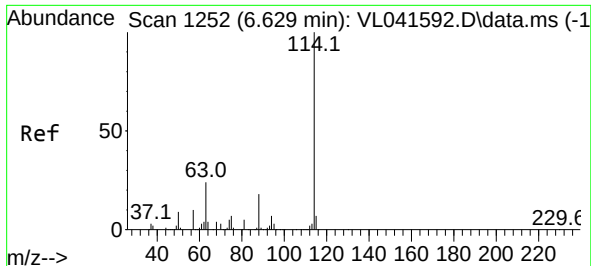
Tgt Ion: 96 Resp: 1544
Ion Ratio Lower Upper
96 100
61 107.8 155.6 233.4#
98 51.9 50.6 75.8



#20
Methylene Chloride
Concen: 0.099 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.007 min
Lab File: VL041656.D
Acq: 10 Oct 2024 23:58

Tgt Ion: 84 Resp: 4458
Ion Ratio Lower Upper
84 100
49 159.1 124.3 186.5
51 51.4 36.3 54.5
86 63.7 47.4 71.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. 0.007 min

Lab File: VL041656.D

Acq: 10 Oct 2024 23:58

Instrument :

MSVOA_L

ClientSampleId :

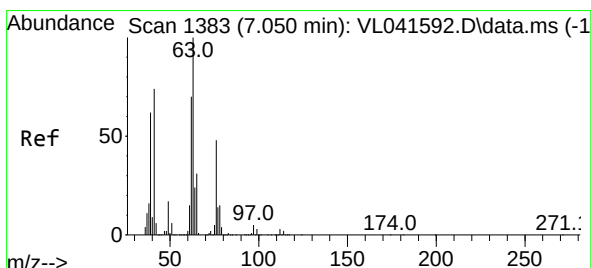
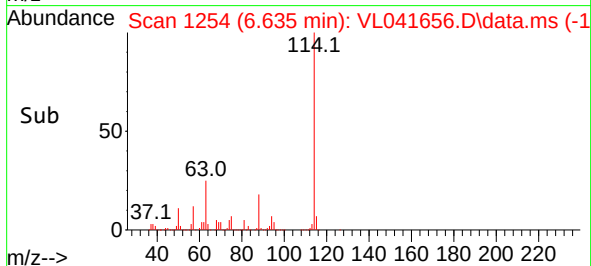
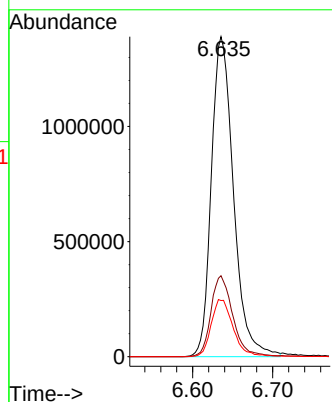
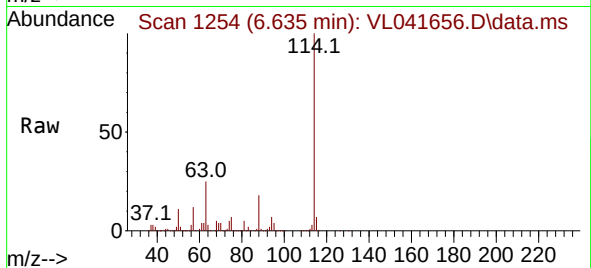
Tgt Ion:114 Resp: 2673622

Ion Ratio Lower Upper

114 100

63 25.3 20.2 30.2

88 17.9 14.2 21.4



#39

1,2-Dichloropropane

Concen: 8.830 ppbv

RT: 6.635 min Scan# 1254

Delta R.T. -0.415 min

Lab File: VL041656.D

Acq: 10 Oct 2024 23:58

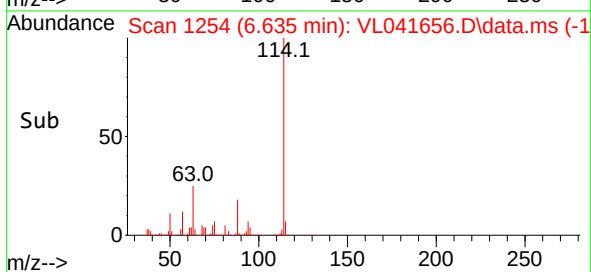
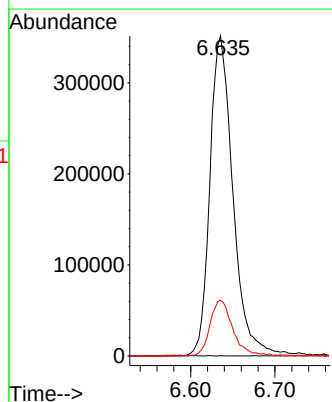
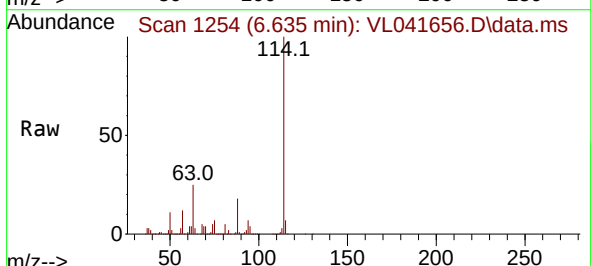
Tgt Ion: 63 Resp: 666982

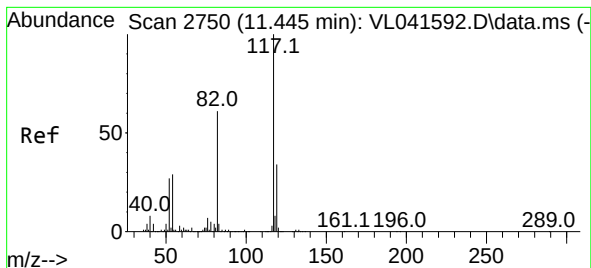
Ion Ratio Lower Upper

63 100

41 0.1 59.5 89.3#

62 17.4 56.2 84.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.452 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL041656.D

Acq: 10 Oct 2024 23:58

Instrument :

MSVOA_L

ClientSampleId :

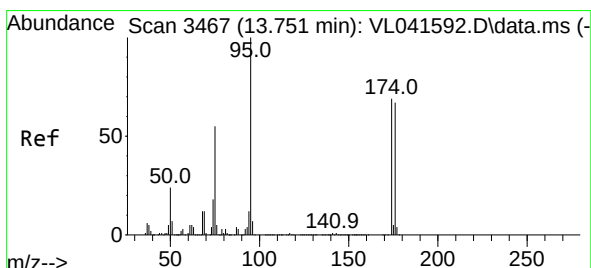
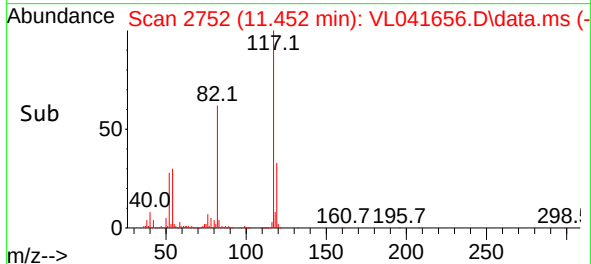
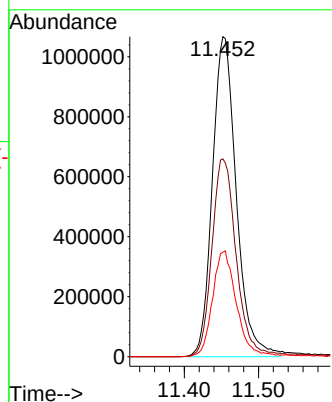
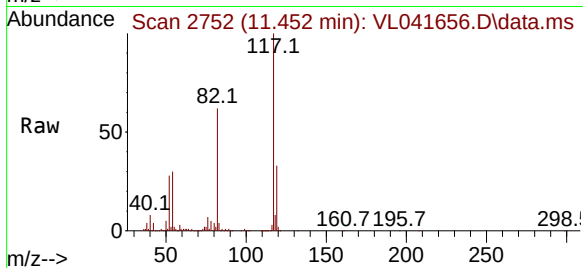
Tgt Ion:117 Resp: 2387802

Ion Ratio Lower Upper

117 100

82 64.1 49.4 74.2

119 33.5 24.4 36.6



#68

1-Bromo-4-Fluorobenzene

Concen: 9.994 ppbv

RT: 13.764 min Scan# 3471

Delta R.T. 0.013 min

Lab File: VL041656.D

Acq: 10 Oct 2024 23:58

Tgt Ion: 95 Resp: 1756744

Ion Ratio Lower Upper

95 100

174 71.4 55.8 83.8

175 5.1 4.1 6.1

