

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051223\
 Data File : VL040420.D
 Acq On : 12 May 2023 16:08
 Operator : SY/MD
 Sample : VL0512ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABL01

Quant Time: May 15 00:41:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL041323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Apr 13 14:37:02 2023
 Response via : Initial Calibration

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

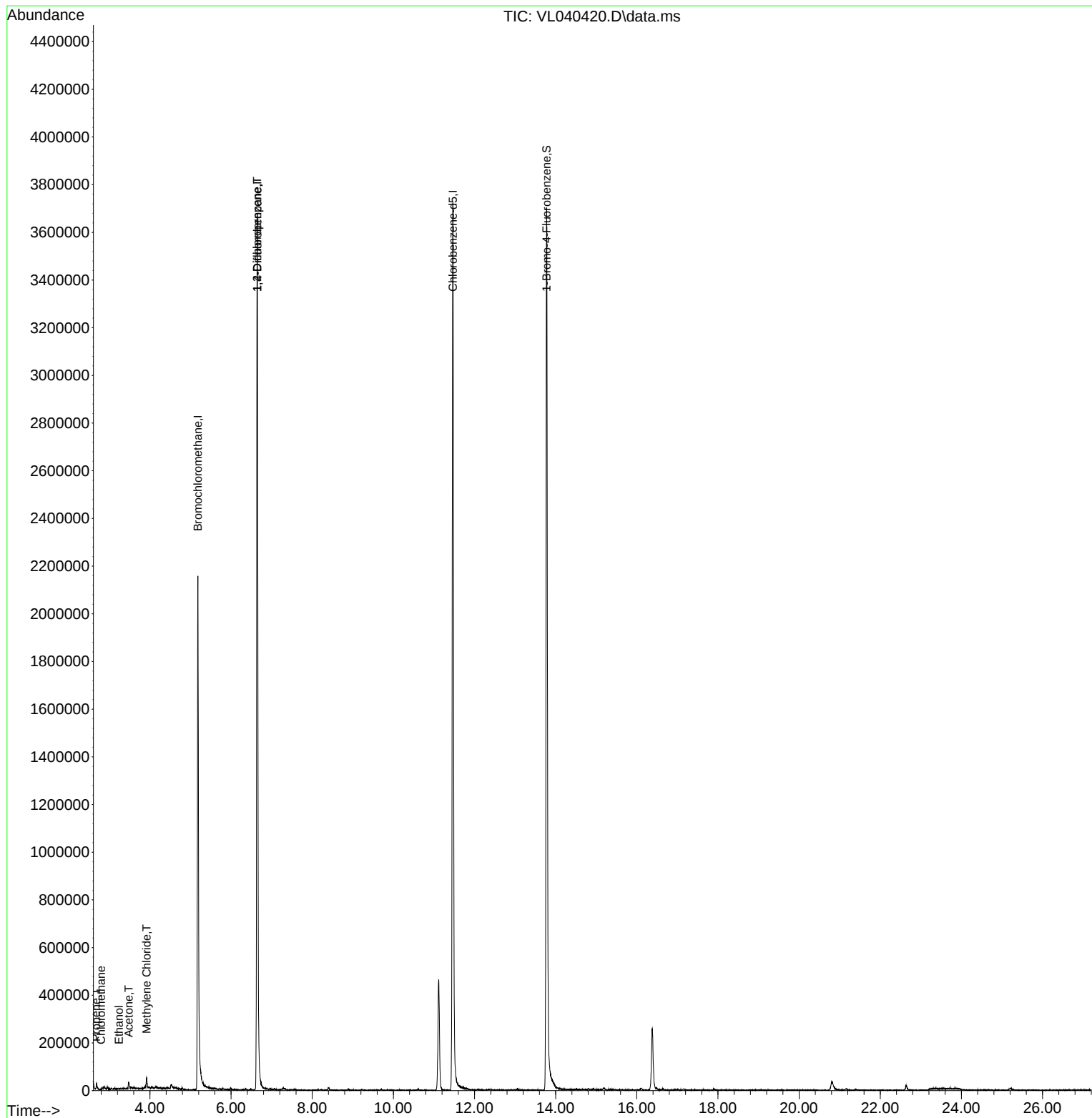
Internal Standards						
1) Bromochloromethane	5.182	49	1059023	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2702379	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2371674	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1843460	9.400	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.000%
Target Compounds						
					Qvalue	
4) Chloromethane	2.796	50	2685	0.031	ppbv #	81
9) Propene	2.674	41	1825	0.033	ppbv #	14
13) Ethanol	3.234	45	163	0.036	ppbv #	37
15) Acetone	3.475	43	28481	0.190	ppbv #	85
20) Methylene Chloride	3.922	84	14272	0.238	ppbv #	83
39) 1,2-Dichloropropane	6.642	63	692086	7.978	ppbv #	25

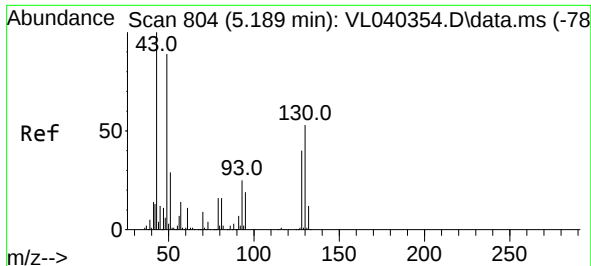
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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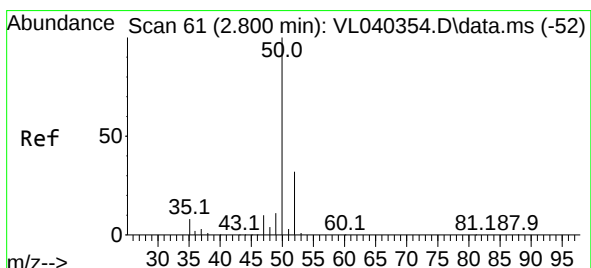
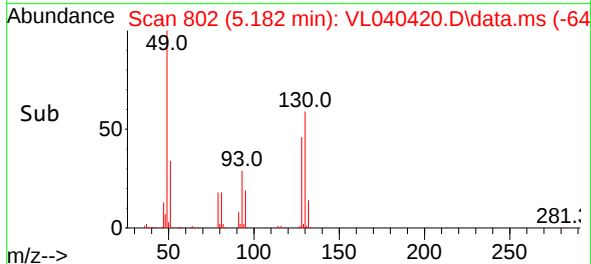
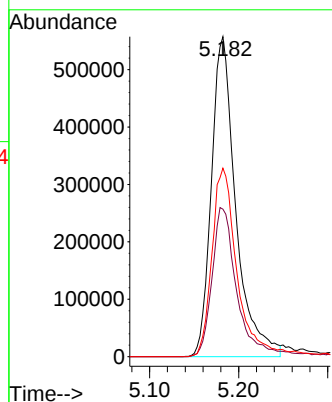
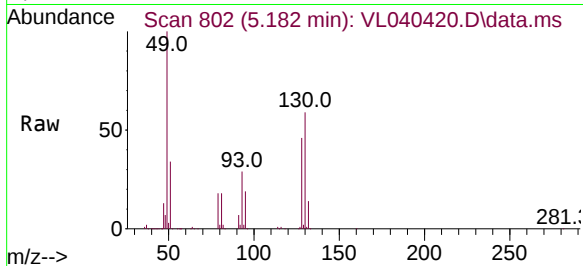




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.007 min
Lab File: VL040420.D
Acq: 12 May 2023 16:08

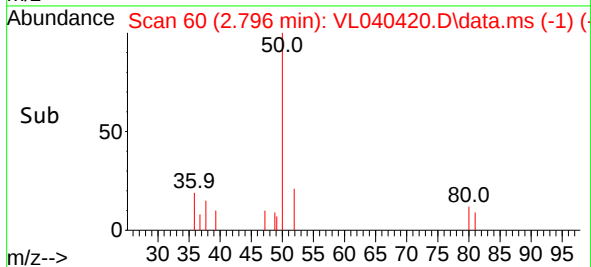
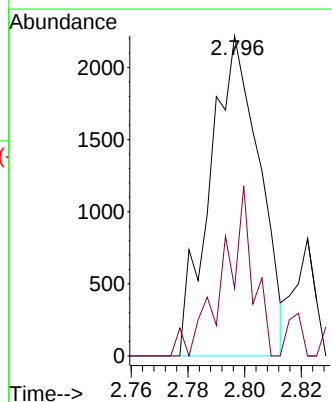
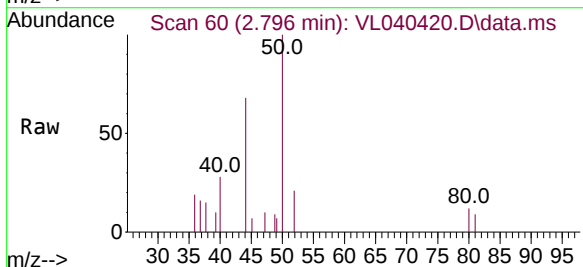
Instrument :
MSVOA_L
ClientSampleId :
VL0512ABL01

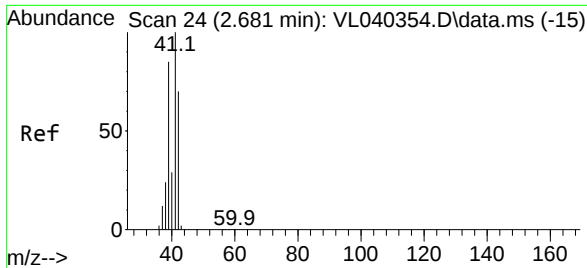
Tgt Ion: 49 Resp: 1059023
Ion Ratio Lower Upper
49 100
128 48.6 23.7 71.1
130 63.1 29.9 89.8



#4
Chloromethane
Concen: 0.031 ppbv
RT: 2.796 min Scan# 60
Delta R.T. -0.004 min
Lab File: VL040420.D
Acq: 12 May 2023 16:08

Tgt Ion: 50 Resp: 2685
Ion Ratio Lower Upper
50 100
52 21.1 25.3 37.9

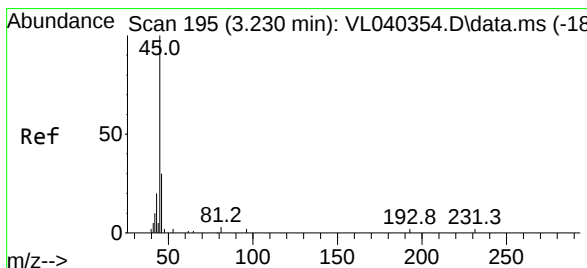
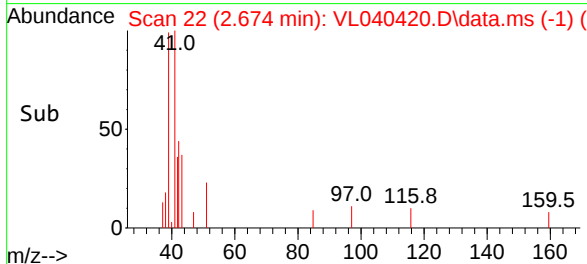
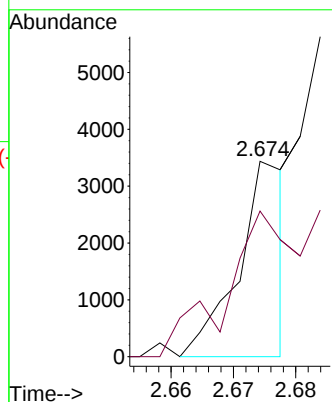
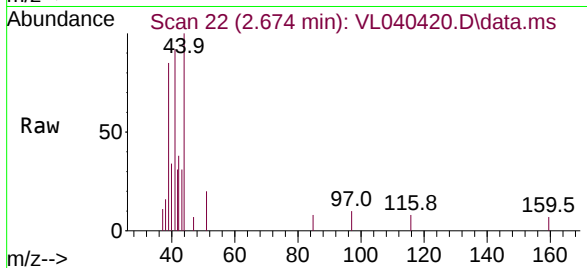




#9
 Propene
 Concen: 0.033 ppbv
 RT: 2.674 min Scan# 21
 Delta R.T. -0.007 min
 Lab File: VL040420.D
 Acq: 12 May 2023 16:08

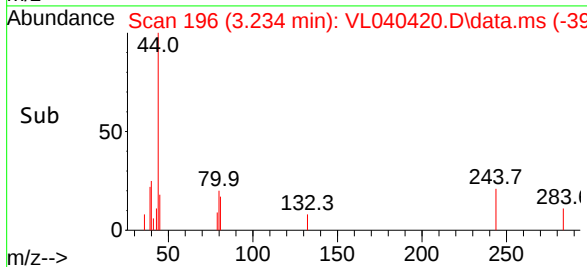
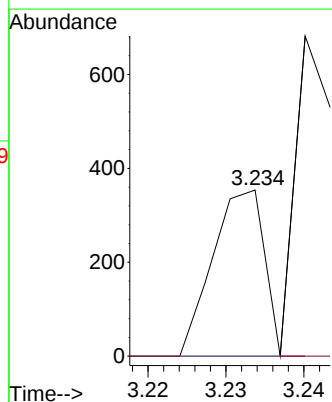
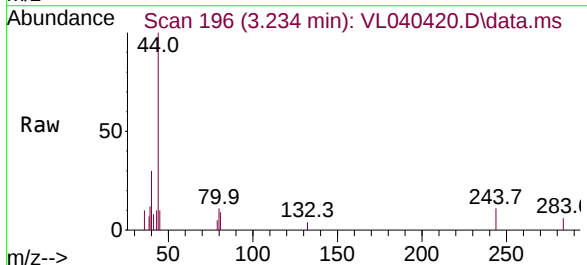
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0512ABL01

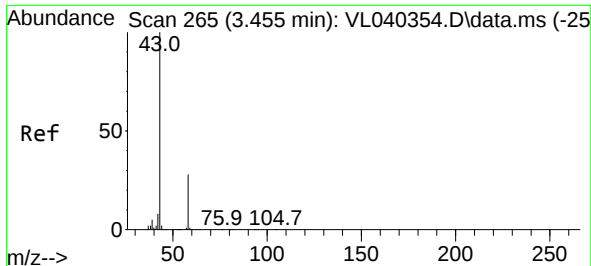
Tgt Ion: 41 Resp: 1825
 Ion Ratio Lower Upper
 41 100
 42 0.0 56.5 84.7#



#13
 Ethanol
 Concen: 0.036 ppbv
 RT: 3.234 min Scan# 196
 Delta R.T. 0.004 min
 Lab File: VL040420.D
 Acq: 12 May 2023 16:08

Tgt Ion: 45 Resp: 163
 Ion Ratio Lower Upper
 45 100
 46 0.0 15.3 61.3#





#15

Acetone

Concen: 0.190 ppbv

RT: 3.475 min Scan# 21

Delta R.T. 0.020 min

Lab File: VL040420.D

Acq: 12 May 2023 16:08

Instrument :

MSVOA_L

ClientSampleId :

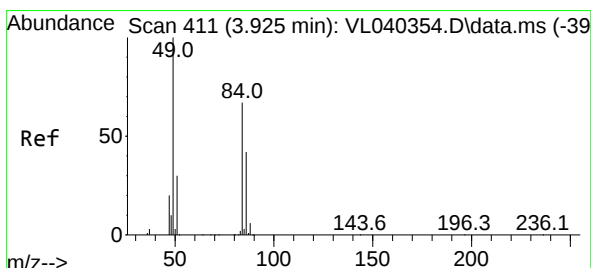
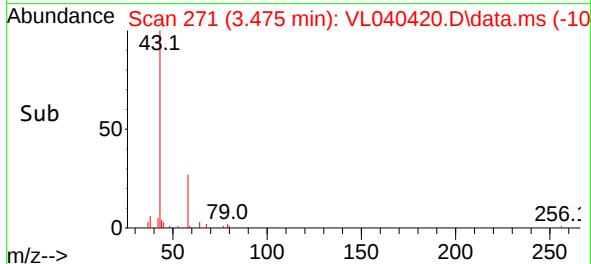
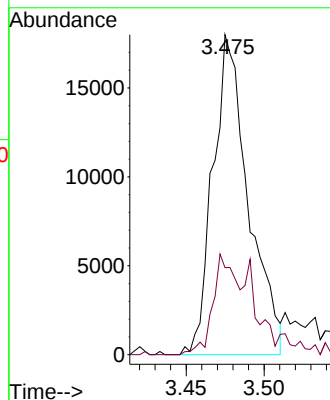
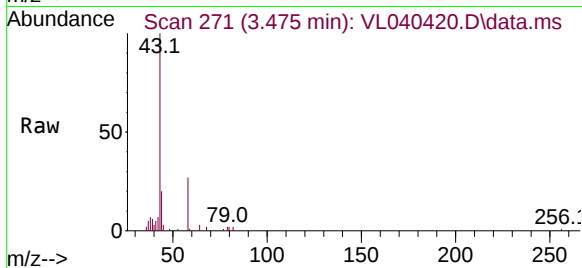
VL0512ABL01

Tgt Ion: 43 Resp: 28481

Ion Ratio Lower Upper

43 100

58 35.7 22.2 33.2#



#20

Methylene Chloride

Concen: 0.238 ppbv

RT: 3.922 min Scan# 410

Delta R.T. -0.003 min

Lab File: VL040420.D

Acq: 12 May 2023 16:08

Tgt Ion: 84 Resp: 14272

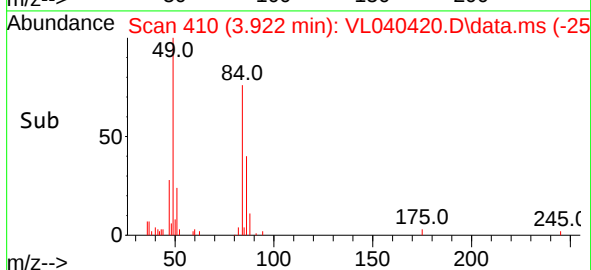
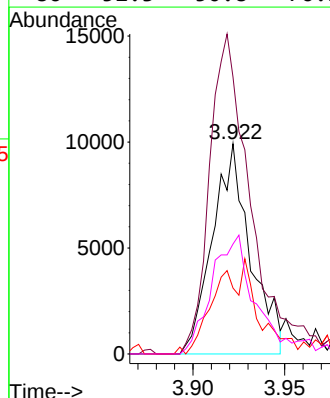
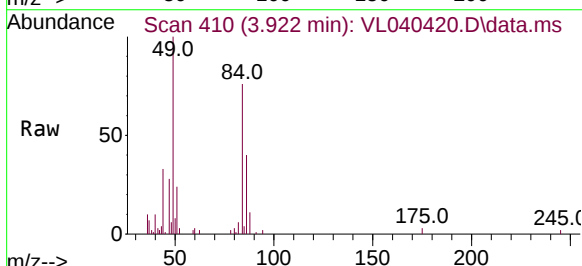
Ion Ratio Lower Upper

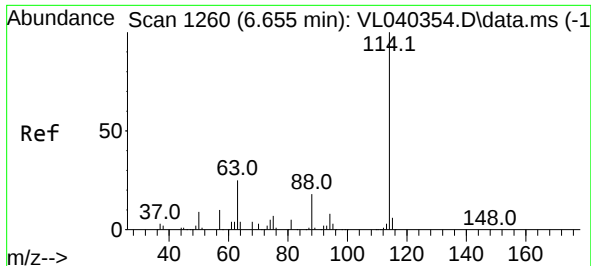
84 100

49 131.7 120.1 180.1

51 28.1 36.3 54.5#

86 52.3 50.8 76.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL040420.D

Acq: 12 May 2023 16:08

Instrument :

MSVOA_L

ClientSampleId :

VL0512ABL01

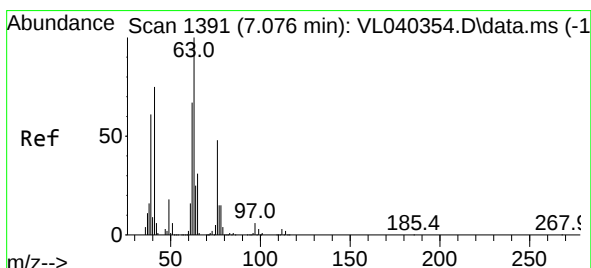
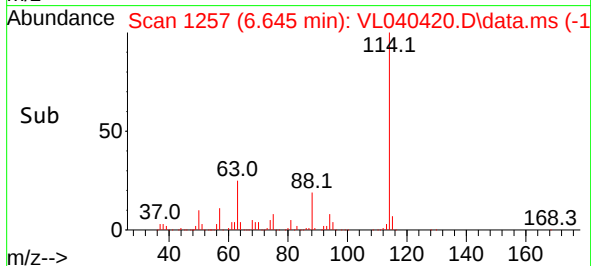
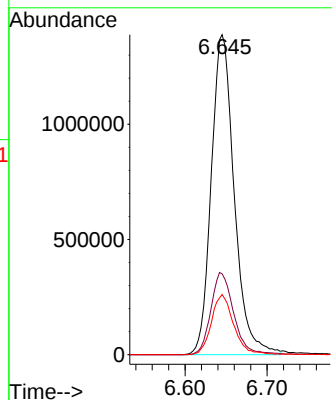
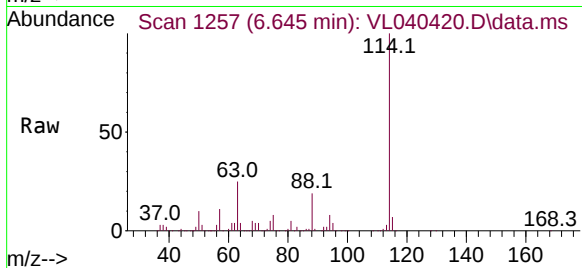
Tgt Ion:114 Resp: 2702379

Ion Ratio Lower Upper

114 100

63 25.9 21.4 32.0

88 18.4 14.6 22.0



#39

1,2-Dichloropropane

Concen: 7.978 ppbv

RT: 6.642 min Scan# 1256

Delta R.T. -0.434 min

Lab File: VL040420.D

Acq: 12 May 2023 16:08

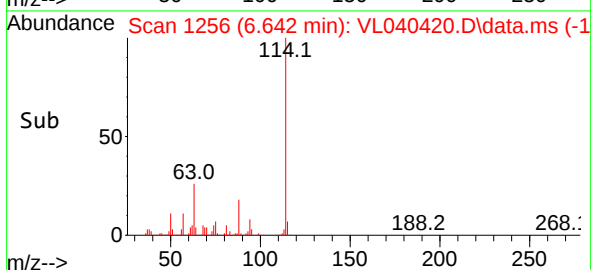
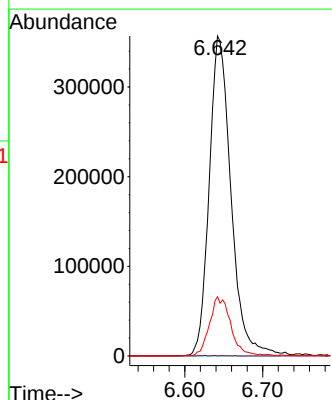
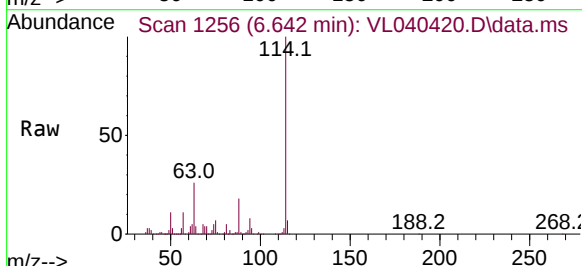
Tgt Ion: 63 Resp: 692086

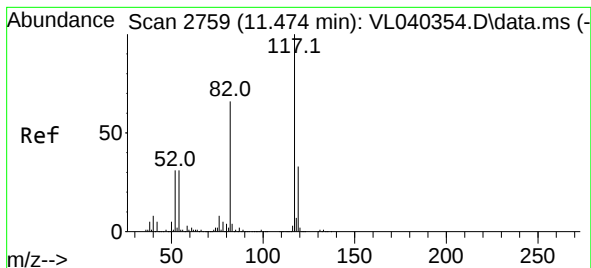
Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

62 18.5 53.9 80.9#

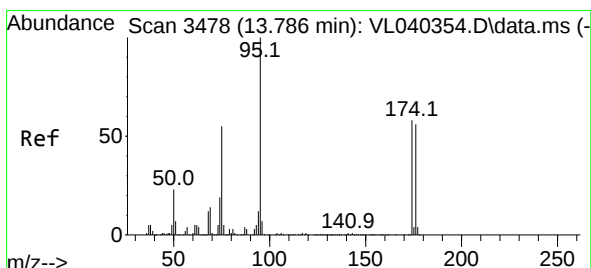
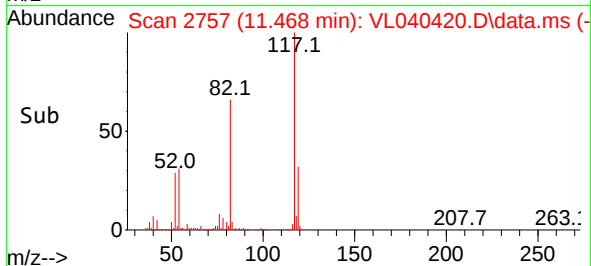
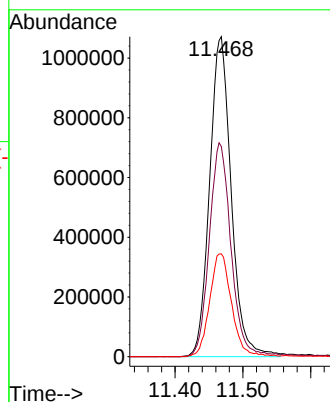
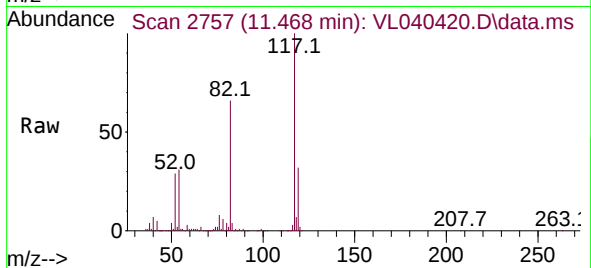




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040420.D
Acq: 12 May 2023 16:08

Instrument :
MSVOA_1
ClientSampleId :
VL0512ABL01

Tgt Ion:117 Resp: 2371674
Ion Ratio Lower Upper
117 100
82 67.8 52.5 78.7
119 33.0 24.3 36.5



#68
1-Bromo-4-Fluorobenzene
Concen: 9.400 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.009 min
Lab File: VL040420.D
Acq: 12 May 2023 16:08

Tgt Ion: 95 Resp: 1843460
Ion Ratio Lower Upper
95 100
174 60.7 47.2 70.8
175 4.3 3.5 5.3

