

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL021323\
 Data File : VL040166.D
 Acq On : 13 Feb 2023 18:48
 Operator : SY/MD
 Sample : QC020823 CAN 10410
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC020823 CAN 10410

Quant Time: Feb 14 01:48:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Feb 14 01:41:11 2023
 Response via : Initial Calibration

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

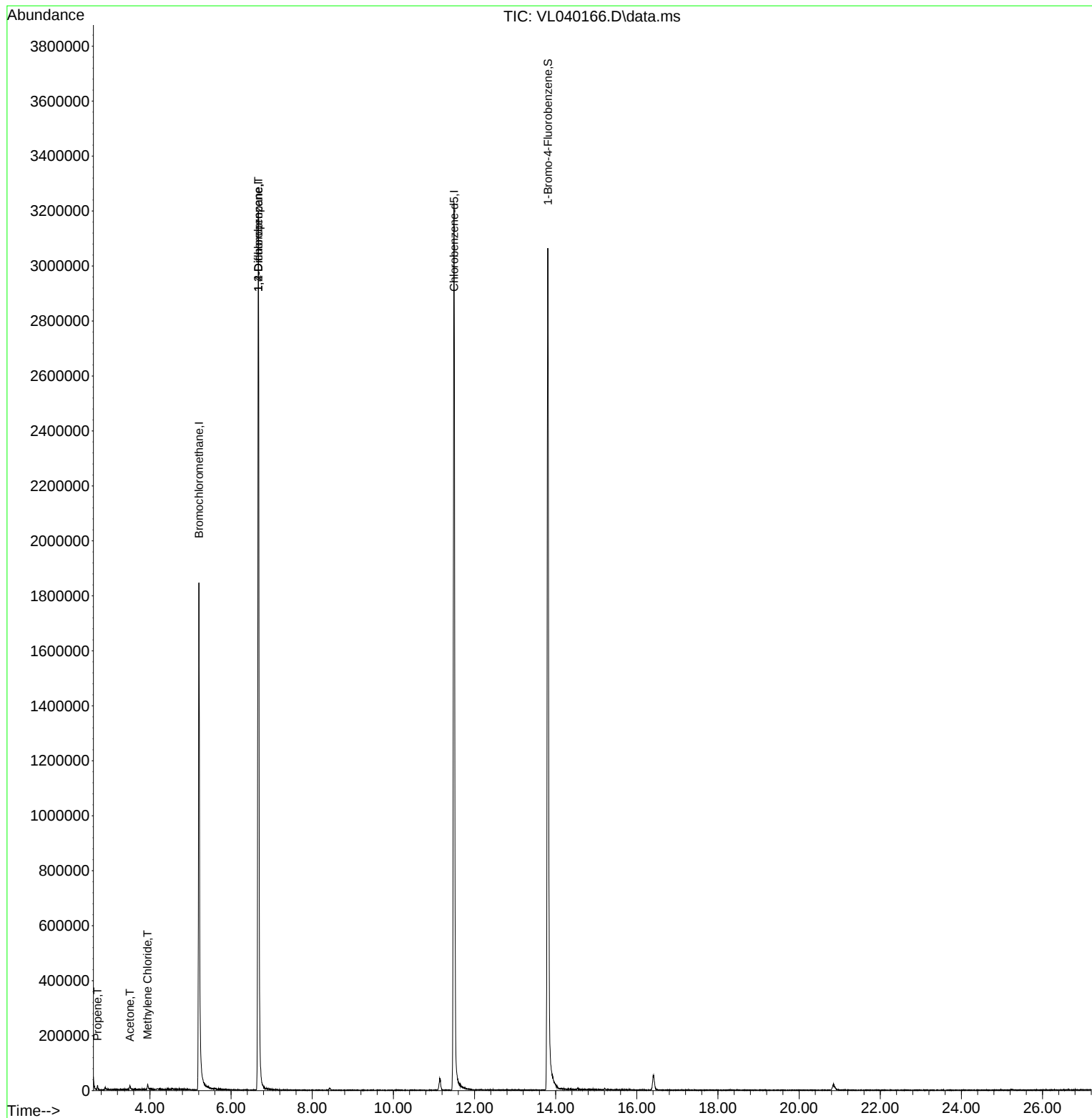
Internal Standards						
1) Bromochloromethane	5.208	49	930459	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.671	114	2565502	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2192725	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.809	95	1647903	9.043	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.400%
Target Compounds						
					Qvalue	
9) Propene	2.706	41	2460	0.053	ppbv #	72
15) Acetone	3.504	43	6753	0.061	ppbv #	48
20) Methylene Chloride	3.944	84	1915	0.039	ppbv #	63
39) 1,2-Dichloropropane	6.674	63	609240	8.204	ppbv #	22

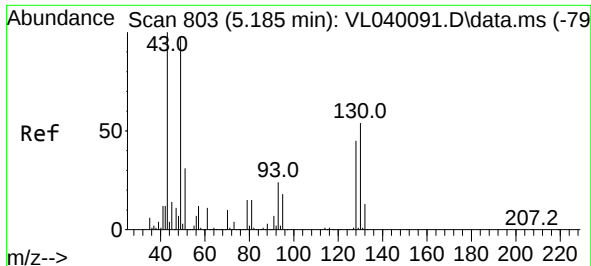
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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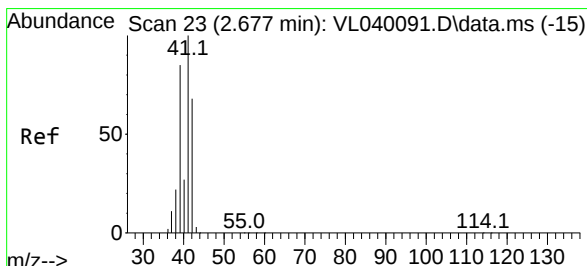
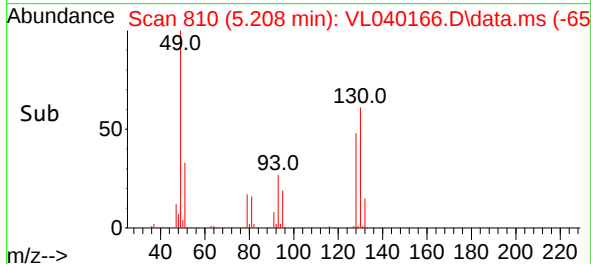
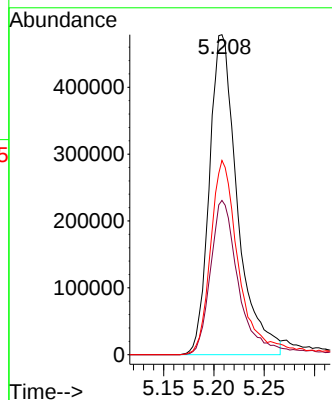
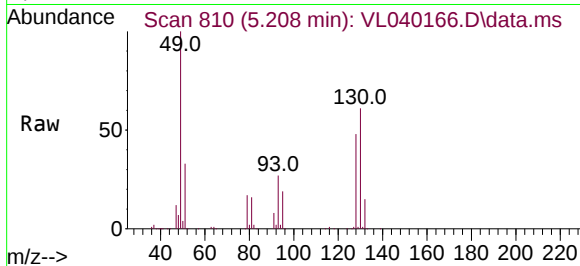




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL040166.D
Acq: 13 Feb 2023 18:48

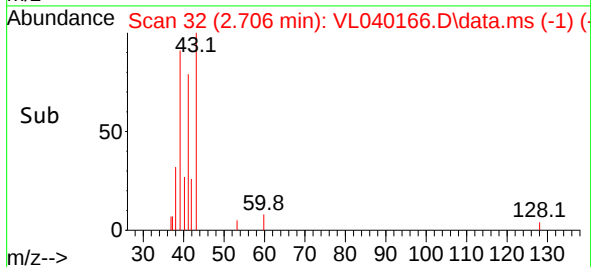
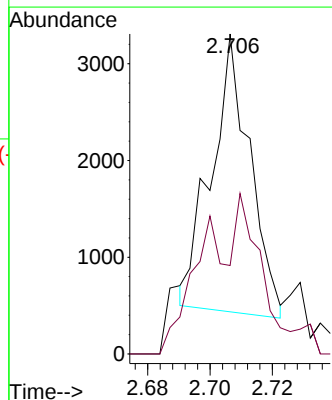
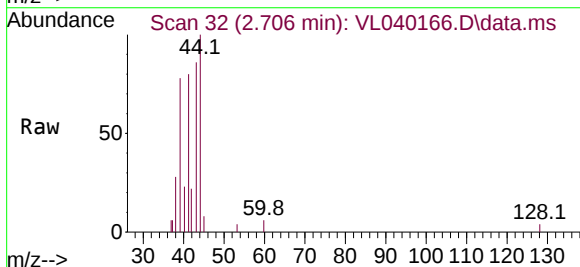
Instrument :
MSVOA_L
ClientSampleId :
QC020823 CAN 10410

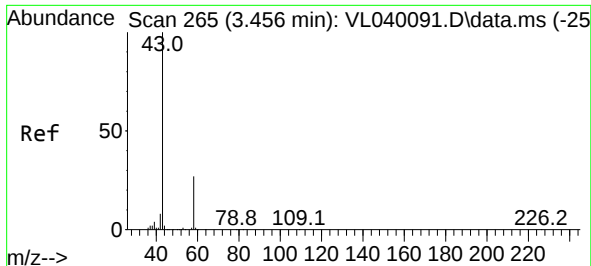
Tgt Ion: 49 Resp: 930459
Ion Ratio Lower Upper
49 100
128 50.0 23.6 71.0
130 63.7 29.8 89.3



#9
Propene
Concen: 0.053 ppbv
RT: 2.706 min Scan# 32
Delta R.T. 0.013 min
Lab File: VL040166.D
Acq: 13 Feb 2023 18:48

Tgt Ion: 41 Resp: 2460
Ion Ratio Lower Upper
41 100
42 92.4 55.6 83.4#





#15

Acetone

Concen: 0.061 ppbv

RT: 3.504 min Scan# 21

Delta R.T. 0.032 min

Lab File: VL040166.D

Acq: 13 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

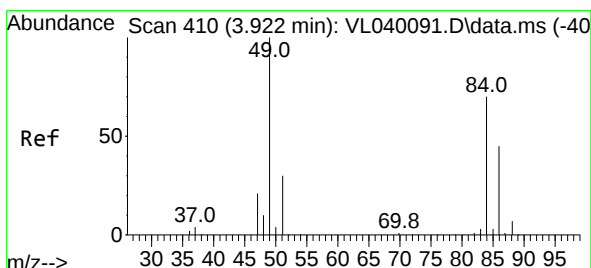
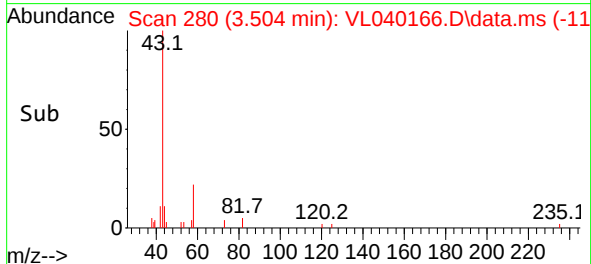
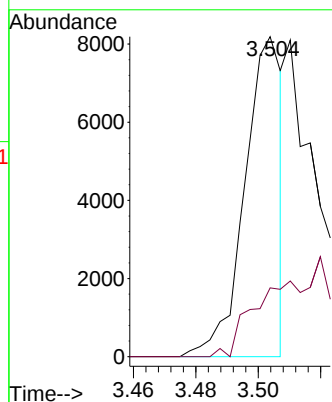
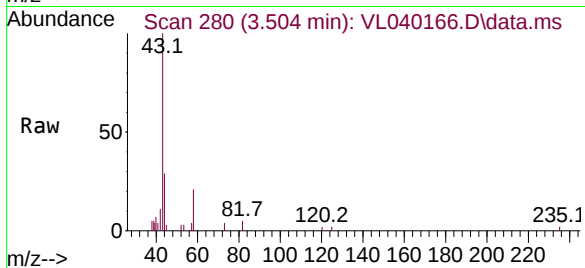
QC020823 CAN 10410

Tgt Ion: 43 Resp: 6753

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.8#



#20

Methylene Chloride

Concen: 0.039 ppbv

RT: 3.944 min Scan# 417

Delta R.T. 0.003 min

Lab File: VL040166.D

Acq: 13 Feb 2023 18:48

Tgt Ion: 84 Resp: 1915

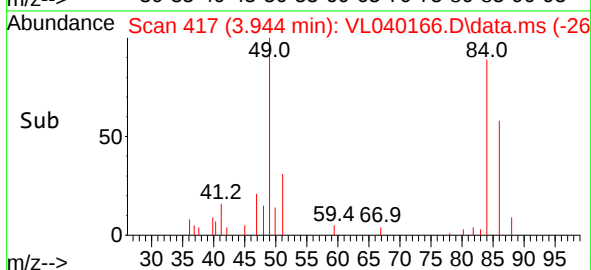
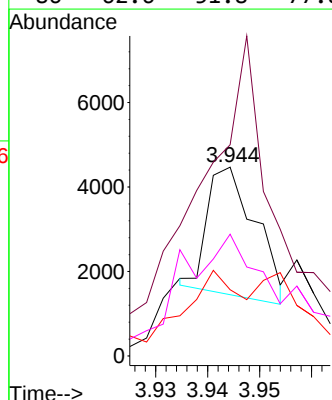
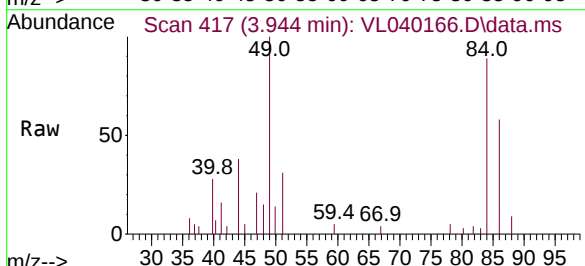
Ion Ratio Lower Upper

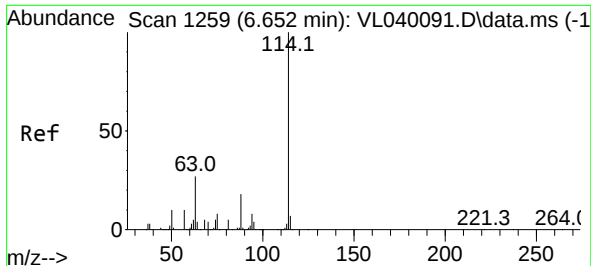
84 100

49 75.9 114.6 171.8#

51 23.4 34.3 51.5#

86 62.6 51.8 77.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.671 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040166.D

Acq: 13 Feb 2023 18:48

Instrument :

MSVOA_L

ClientSampleId :

QC020823 CAN 10410

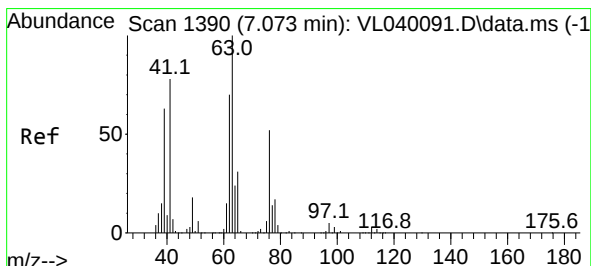
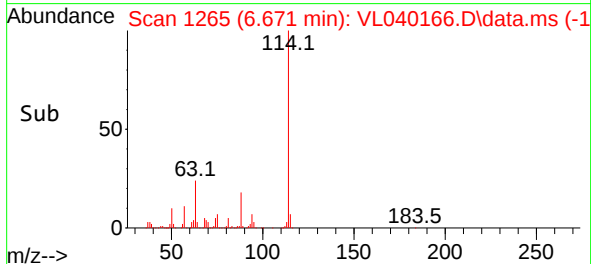
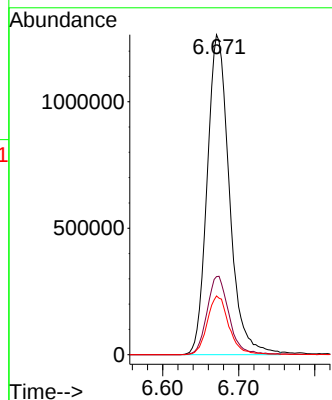
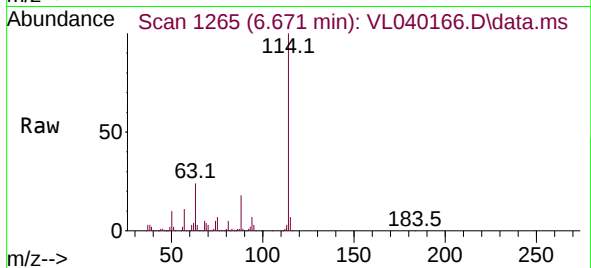
Tgt Ion:114 Resp: 2565502

Ion Ratio Lower Upper

114 100

63 24.5 21.8 32.8

88 18.1 14.8 22.2



#39

1,2-Dichloropropane

Concen: 8.204 ppbv

RT: 6.674 min Scan# 1266

Delta R.T. -0.421 min

Lab File: VL040166.D

Acq: 13 Feb 2023 18:48

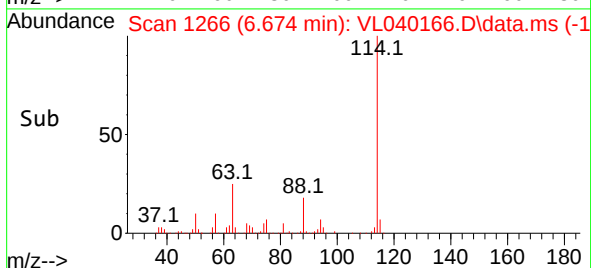
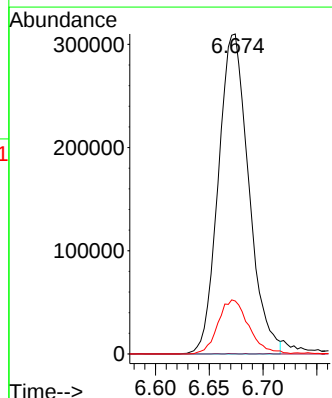
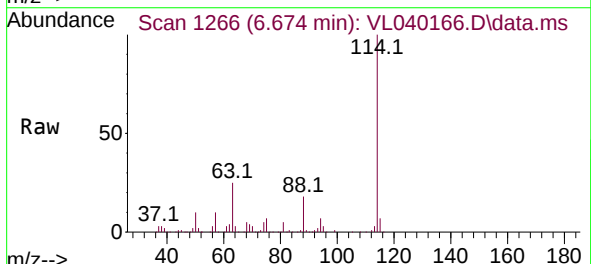
Tgt Ion: 63 Resp: 609240

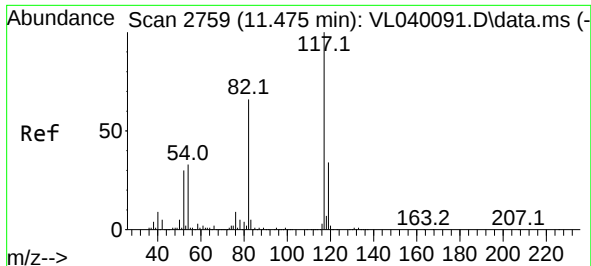
Ion Ratio Lower Upper

63 100

41 0.1 62.2 93.4#

62 16.6 55.8 83.8#

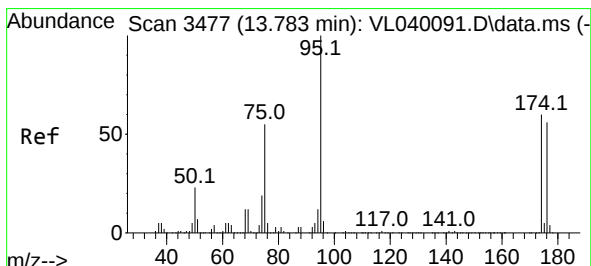
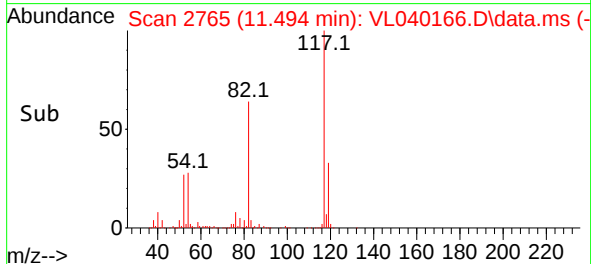
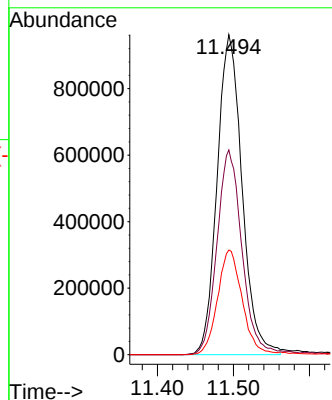
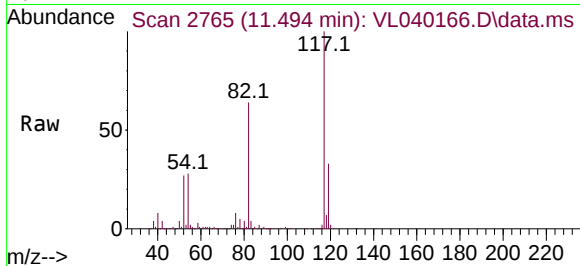




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040166.D
Acq: 13 Feb 2023 18:48

Instrument :
MSVOA_1
ClientSampleId :
QC020823 CAN 10410

Tgt Ion:117 Resp: 2192725
Ion Ratio Lower Upper
117 100
82 64.7 54.4 81.6
119 32.7 26.8 40.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.043 ppbv
RT: 13.809 min Scan# 3485
Delta R.T. 0.003 min
Lab File: VL040166.D
Acq: 13 Feb 2023 18:48

Tgt Ion: 95 Resp: 1647903
Ion Ratio Lower Upper
95 100
174 63.5 47.7 71.5
175 4.5 3.4 5.2

