

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061523\
 Data File : VL040467.D
 Acq On : 15 Jun 2023 14:37
 Operator : SY/MD
 Sample : QC053023 CAN 10294
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC053023 CAN 10294

Quant Time: Jun 16 05:36:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL060523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Jun 06 06:22:12 2023
 Response via : Initial Calibration

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

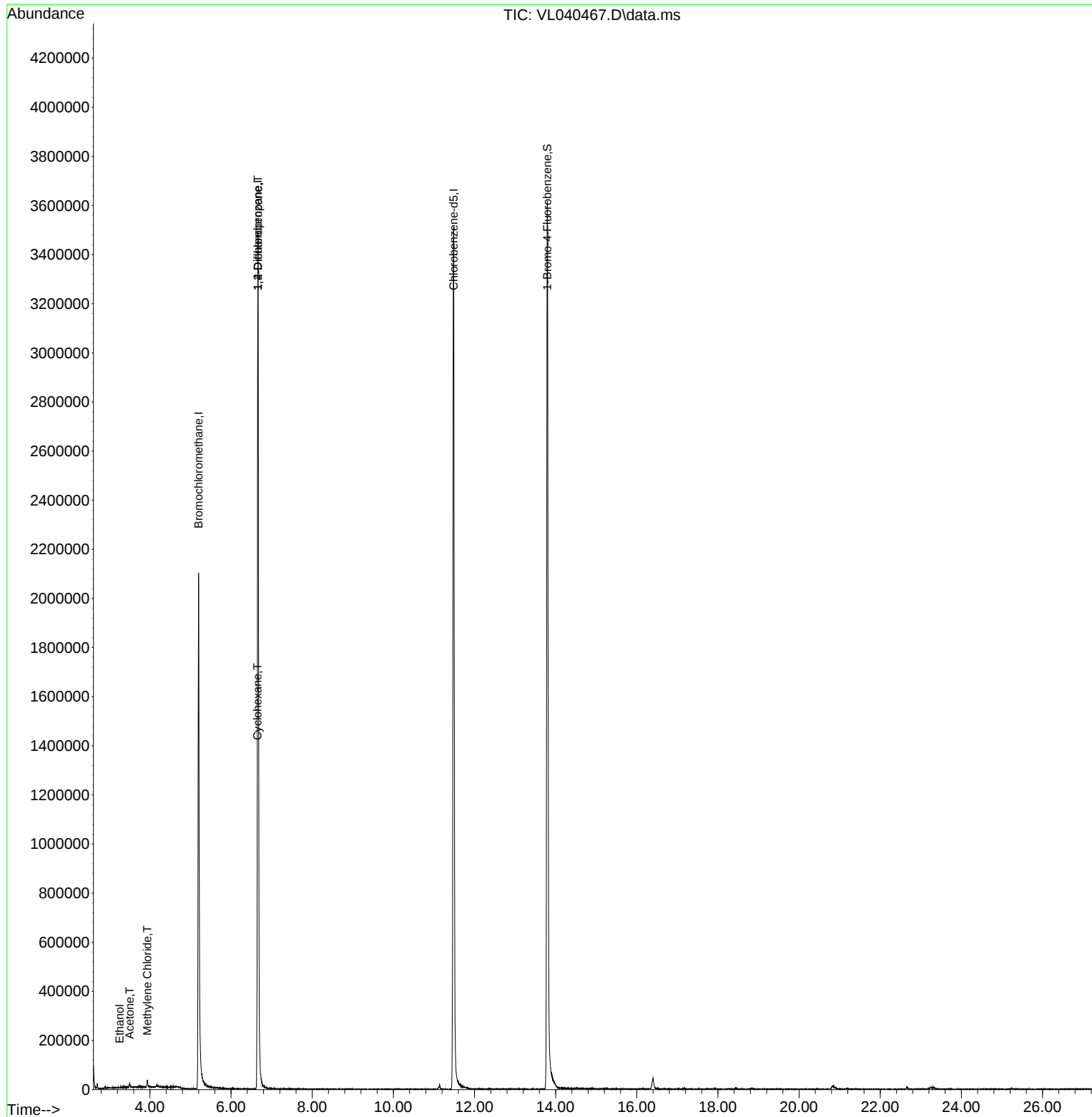
Internal Standards						
1) Bromochloromethane	5.198	49	1032129	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2629829	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2209947	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	1821192	9.985	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.800%
Target Compounds						
					Qvalue	
13) Ethanol	3.256	45	431	0.040	ppbv	69
15) Acetone	3.501	43	12286	0.099	ppbv #	85
20) Methylene Chloride	3.938	84	7511	0.141	ppbv #	76
30) Cyclohexane	6.645	84	3956	0.046	ppbv #	1
39) 1,2-Dichloropropane	6.664	63	672144	8.335	ppbv #	22

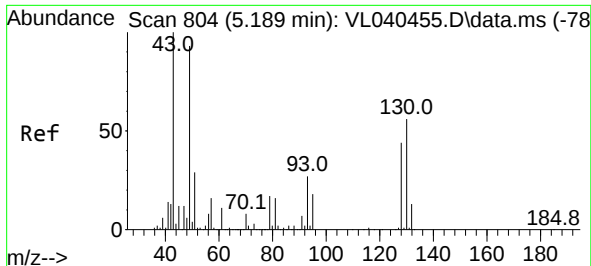
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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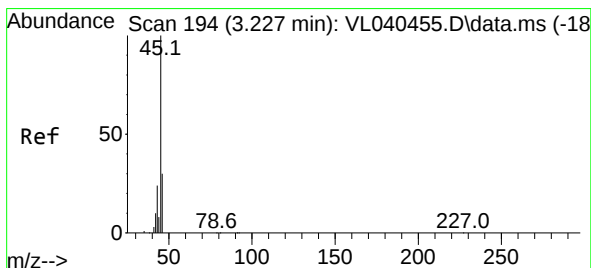
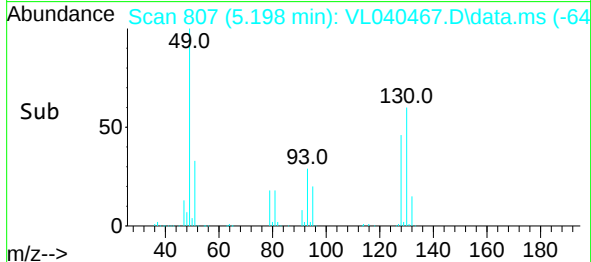
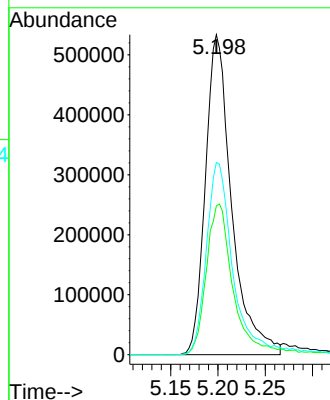
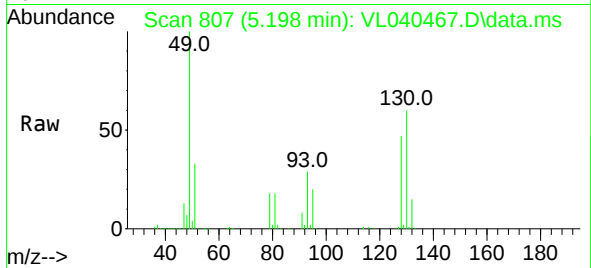




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 804
Delta R.T. 0.009 min
Lab File: VL040467.D
Acq: 15 Jun 2023 14:37

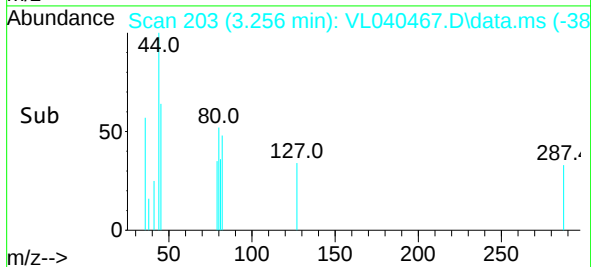
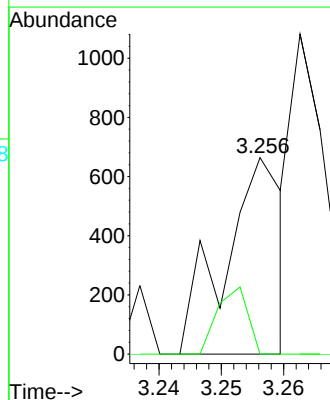
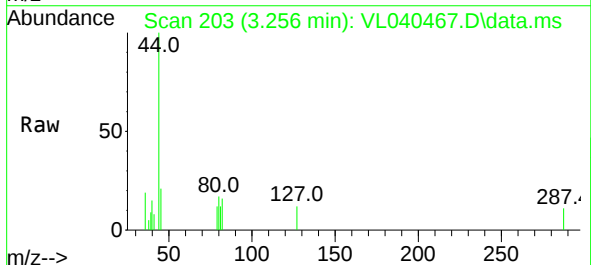
Instrument :
MSVOA_L
ClientSampleId :
QC053023 CAN 10294

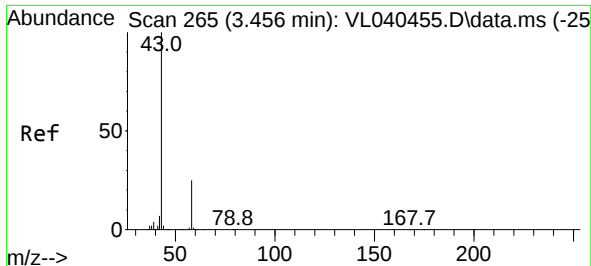
Tgt Ion: 49 Resp: 1032129
Ion Ratio Lower Upper
49 100
128 50.1 24.7 74.1
130 63.5 31.4 94.2



#13
Ethanol
Concen: 0.040 ppbv
RT: 3.256 min Scan# 203
Delta R.T. 0.029 min
Lab File: VL040467.D
Acq: 15 Jun 2023 14:37

Tgt Ion: 45 Resp: 431
Ion Ratio Lower Upper
45 100
46 17.9 14.5 58.1





#15

Acetone

Concen: 0.099 ppbv

RT: 3.501 min Scan# 21

Delta R.T. 0.045 min

Lab File: VL040467.D

Acq: 15 Jun 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

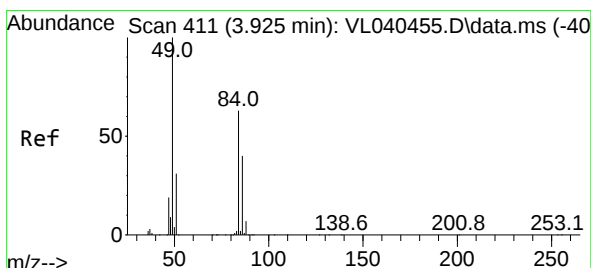
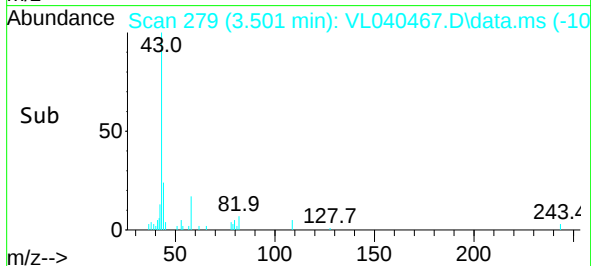
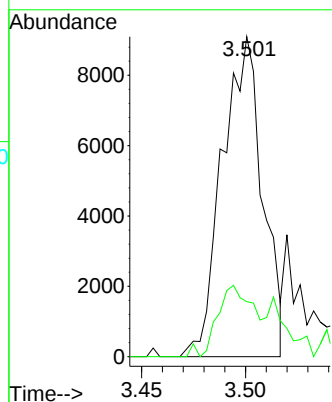
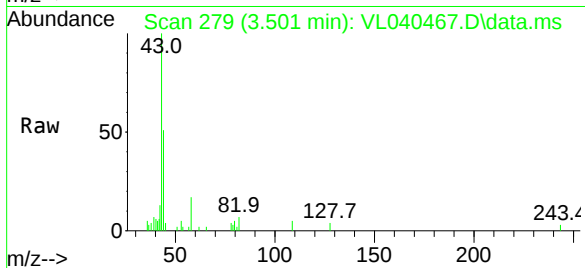
QC053023 CAN 10294

Tgt Ion: 43 Resp: 12286

Ion Ratio Lower Upper

43 100

58 35.0 21.6 32.4#



#20

Methylene Chloride

Concen: 0.141 ppbv

RT: 3.938 min Scan# 415

Delta R.T. 0.013 min

Lab File: VL040467.D

Acq: 15 Jun 2023 14:37

Tgt Ion: 84 Resp: 7511

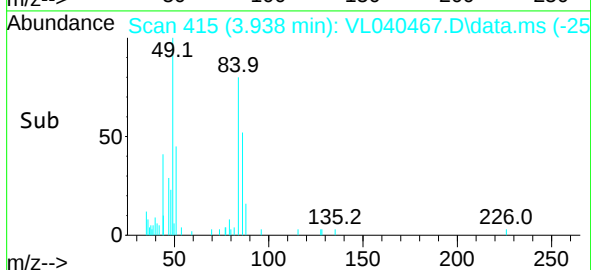
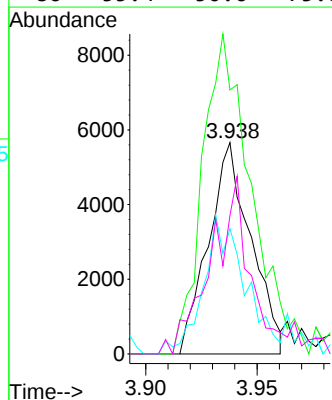
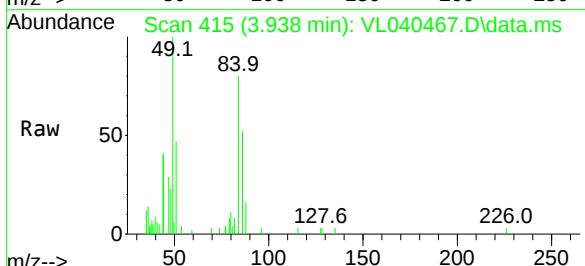
Ion Ratio Lower Upper

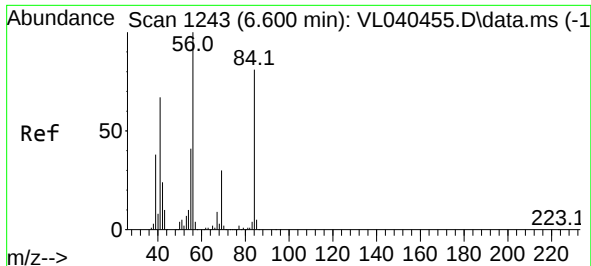
84 100

49 113.9 126.2 189.2#

51 54.4 38.7 58.1

86 55.4 50.6 75.8

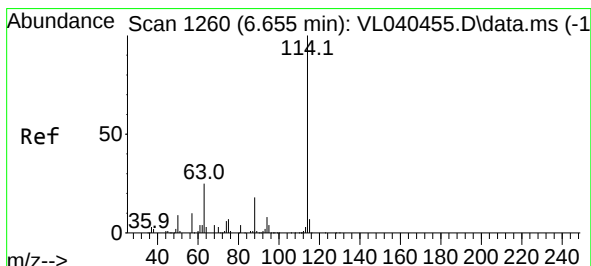
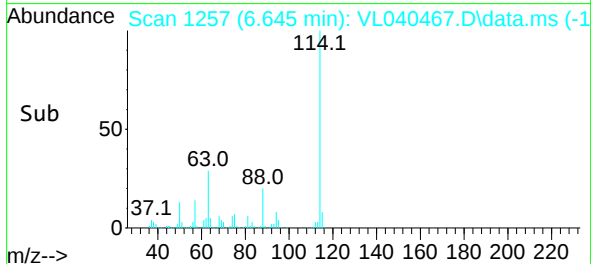
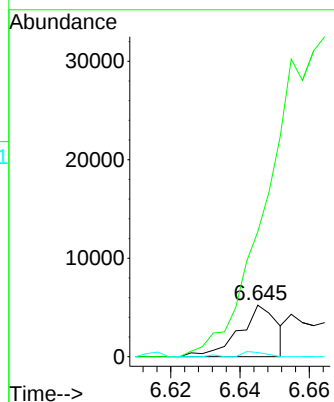
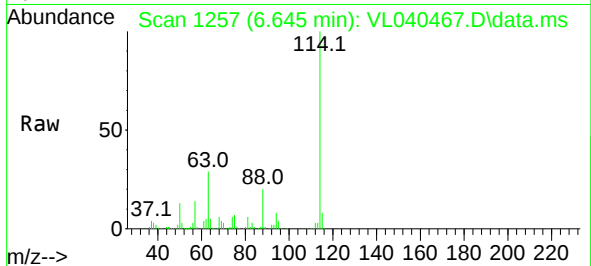




#30
Cyclohexane
Concen: 0.046 ppbv
RT: 6.645 min Scan# 11
Delta R.T. 0.045 min
Lab File: VL040467.D
Acq: 15 Jun 2023 14:37

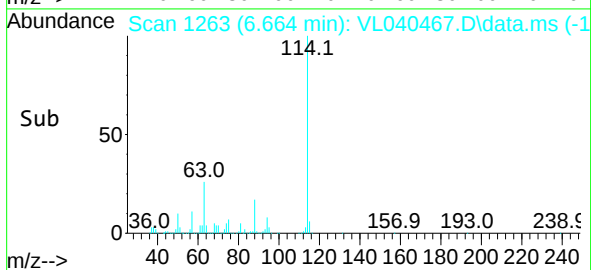
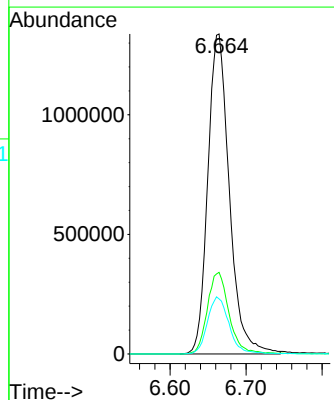
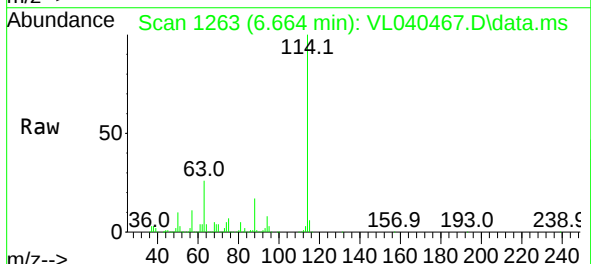
Instrument :
MSVOA_L
ClientSampleId :
QC053023 CAN 10294

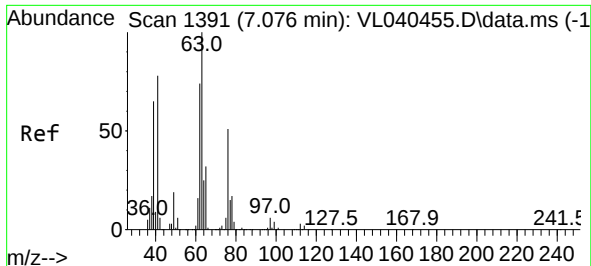
Tgt Ion: 84 Resp: 3956
Ion Ratio Lower Upper
84 100
56 0.0 106.0 159.0#
41 10.4 66.8 100.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.010 min
Lab File: VL040467.D
Acq: 15 Jun 2023 14:37

Tgt Ion: 114 Resp: 2629829
Ion Ratio Lower Upper
114 100
63 26.0 21.0 31.6
88 18.0 14.5 21.7





#39

1,2-Dichloropropane

Concen: 8.335 ppbv

RT: 6.664 min Scan# 11

Delta R.T. -0.412 min

Lab File: VL040467.D

Acq: 15 Jun 2023 14:37

Instrument :

MSVOA_L

ClientSampleId :

QC053023 CAN 10294

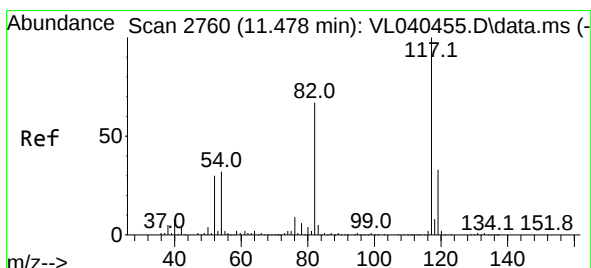
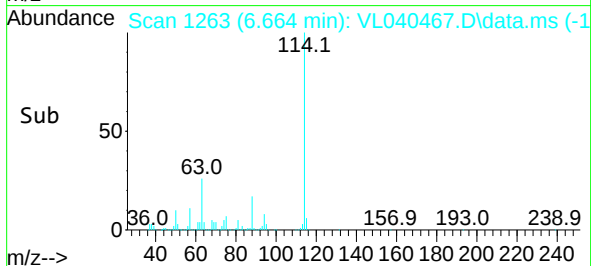
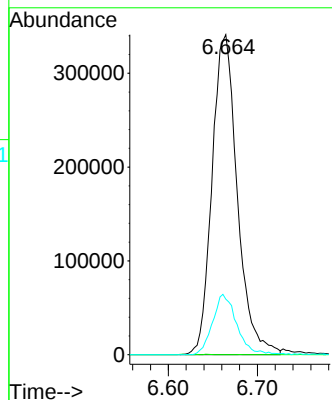
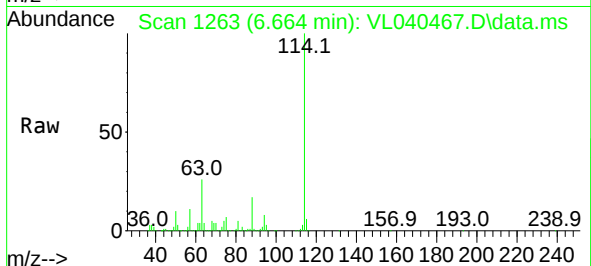
Tgt Ion: 63 Resp: 672144

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.2#

62 17.4 59.0 88.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 2762

Delta R.T. 0.006 min

Lab File: VL040467.D

Acq: 15 Jun 2023 14:37

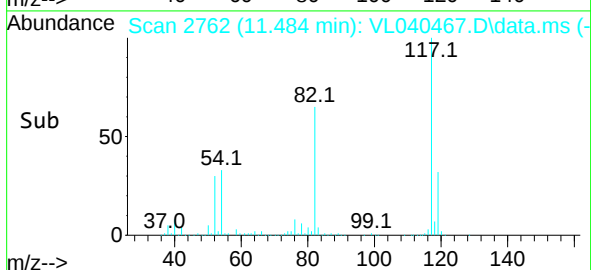
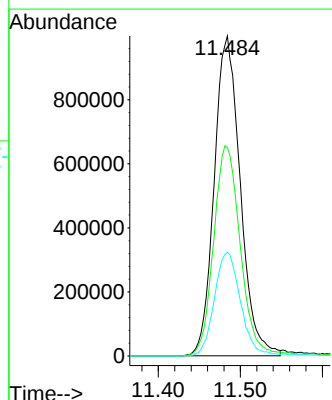
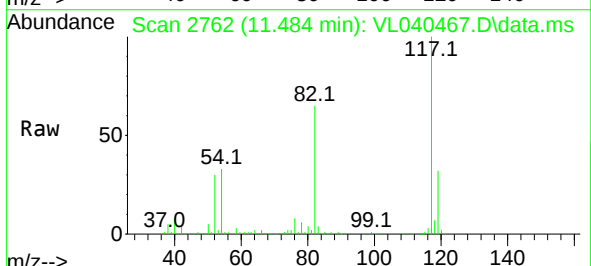
Tgt Ion: 117 Resp: 2209947

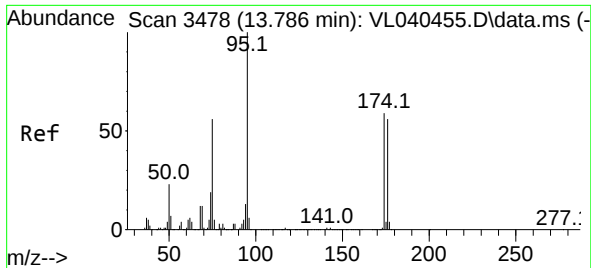
Ion Ratio Lower Upper

117 100

82 68.7 53.0 79.4

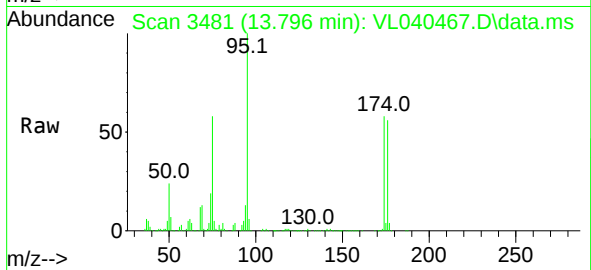
119 33.1 24.4 36.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.985 ppbv
 RT: 13.796 min Scan# 34
 Delta R.T. 0.010 min
 Lab File: VL040467.D
 Acq: 15 Jun 2023 14:37

Instrument :
 MSVOA_L
 ClientSampleId :
 QC053023 CAN 10294



Tgt Ion: 95 Resp: 1821192

Ion	Ratio	Lower	Upper
95	100		
174	59.8	47.7	71.5
175	4.2	3.5	5.3

