

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112024\
 Data File : VL041698.D
 Acq On : 20 Nov 2024 12:36
 Operator : SY/MD
 Sample : VL1120ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 05:08:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL110724AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Nov 08 01:01:00 2024
 Response via : Initial Calibration

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

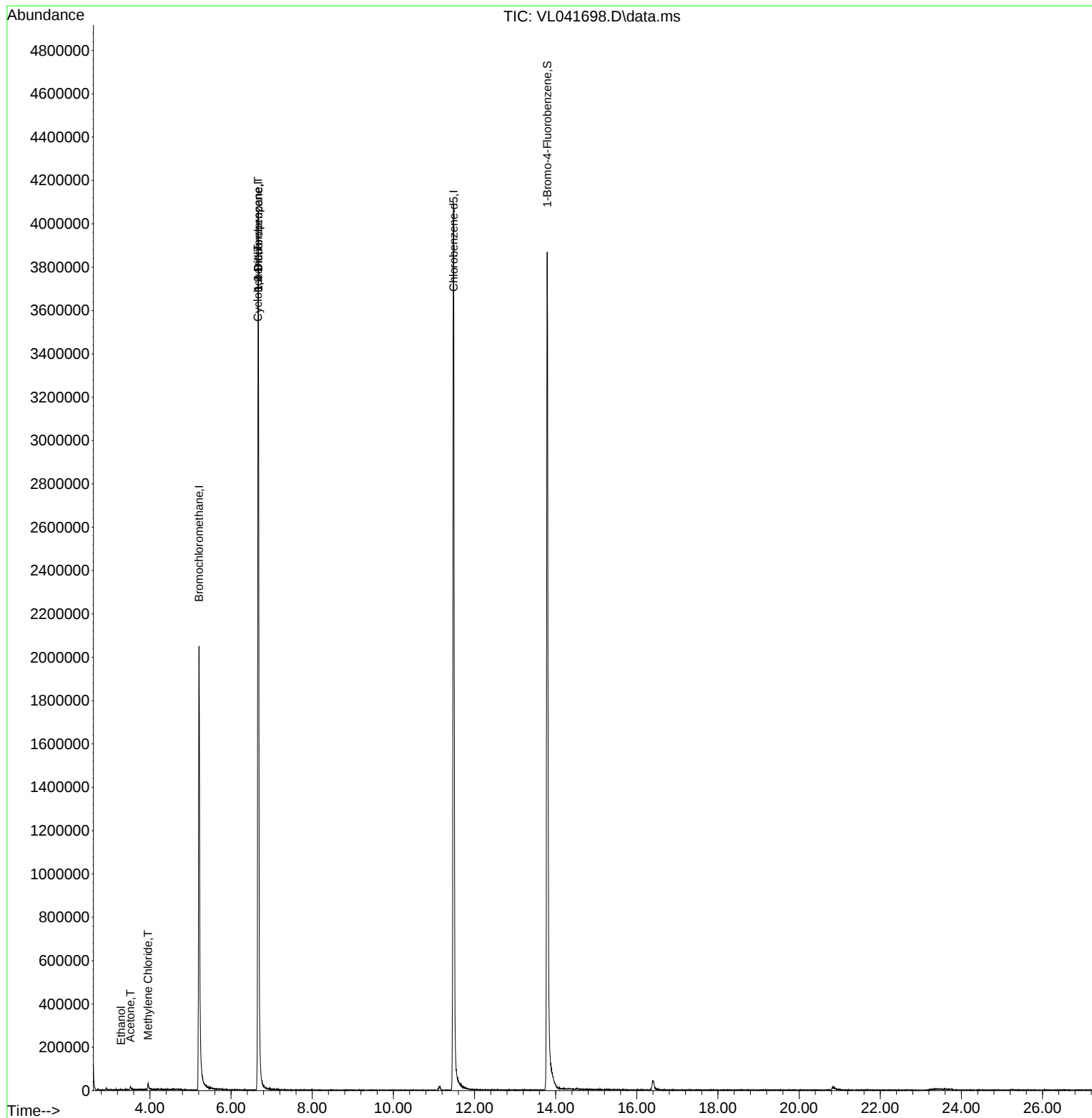
Internal Standards						
1) Bromochloromethane	5.211	49	1071128	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.671	114	3057945	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.484	117	2649975	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1932714	9.899	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
13) Ethanol	3.288	45	148	0.040	ppbv #	40
15) Acetone	3.520	43	12853	0.097	ppbv #	81
20) Methylene Chloride	3.951	84	4481	0.092	ppbv #	87
30) Cyclohexane	6.661	84	5816	0.065	ppbv #	1
39) 1,2-Dichloropropane	6.668	63	758395	8.470	ppbv #	23

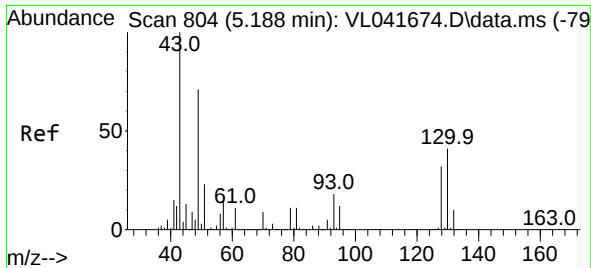
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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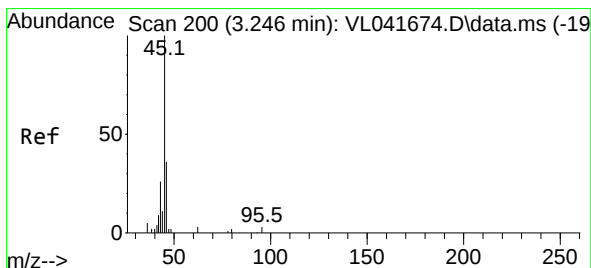
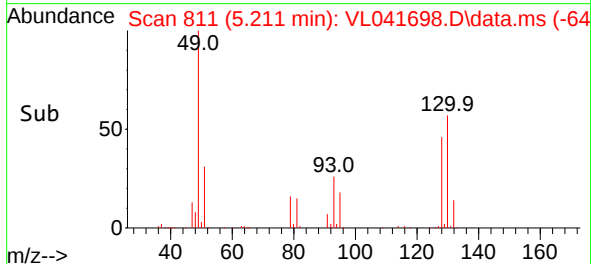
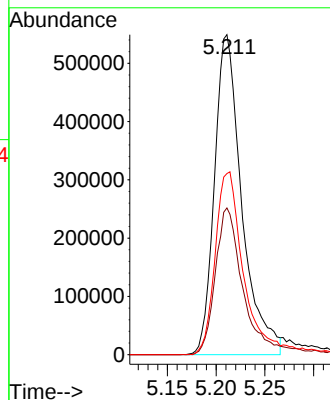
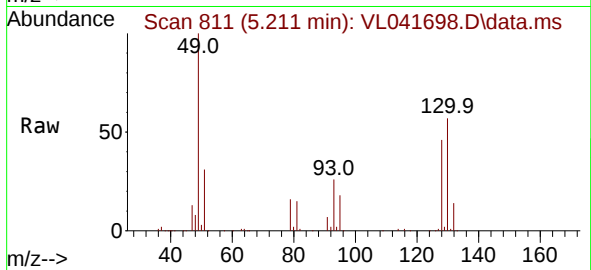




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.211 min Scan# 811
 Delta R.T. 0.023 min
 Lab File: VL041698.D
 Acq: 20 Nov 2024 12:36

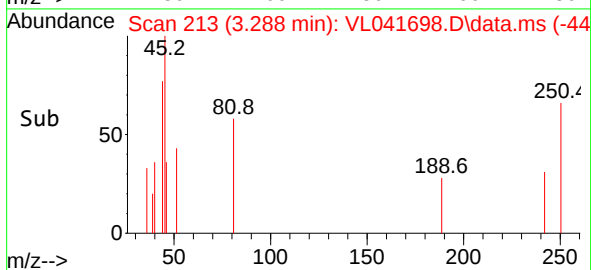
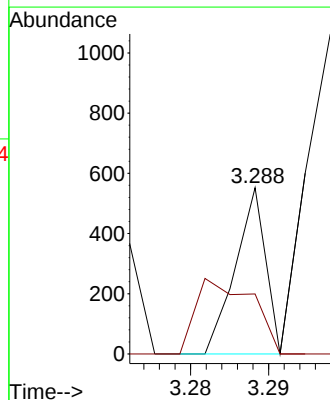
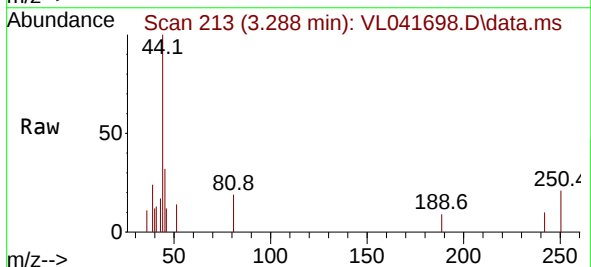
Instrument :
 MSVOA_L
 ClientSampleId :

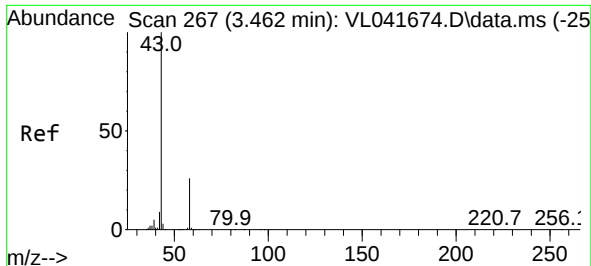
Tgt Ion: 49 Resp: 1071128
 Ion Ratio Lower Upper
 49 100
 128 48.6 23.8 71.2
 130 62.6 30.1 90.5



#13
 Ethanol
 Concen: 0.040 ppbv
 RT: 3.288 min Scan# 213
 Delta R.T. 0.042 min
 Lab File: VL041698.D
 Acq: 20 Nov 2024 12:36

Tgt Ion: 45 Resp: 148
 Ion Ratio Lower Upper
 45 100
 46 0.0 13.8 55.2#

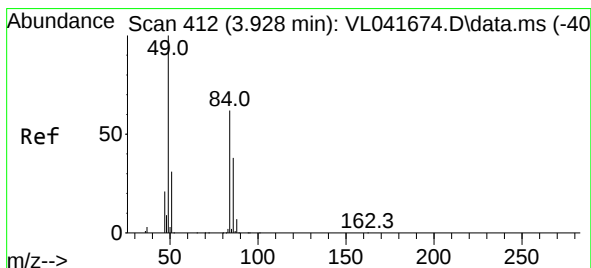
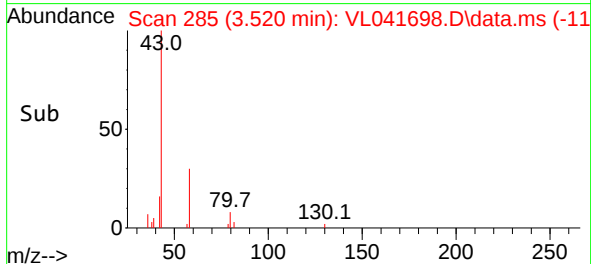
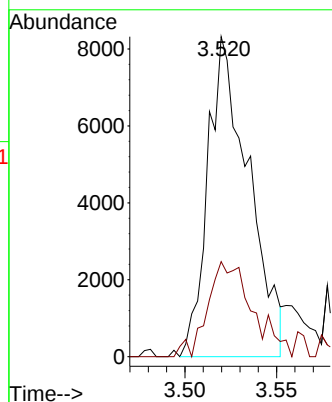
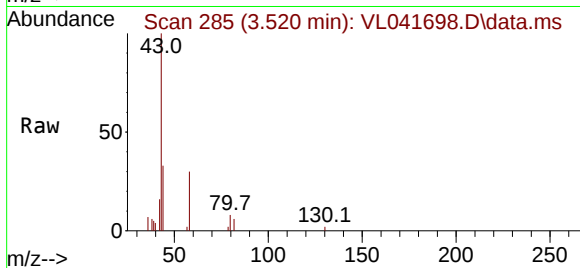




#15
Acetone
Concen: 0.097 ppbv
RT: 3.520 min Scan# 21
Delta R.T. 0.058 min
Lab File: VL041698.D
Acq: 20 Nov 2024 12:36

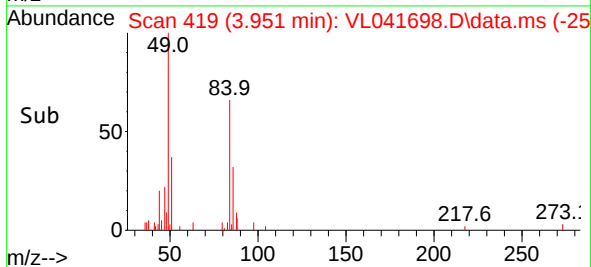
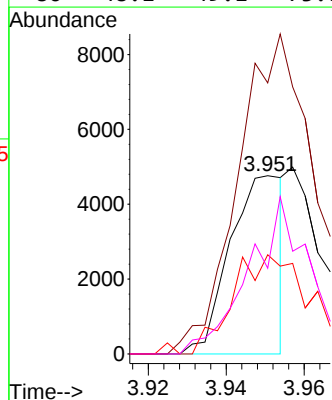
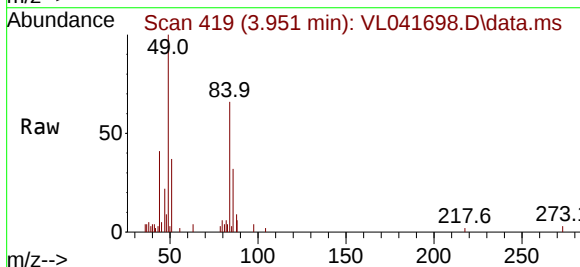
Instrument :
MSVOA_L
ClientSampleId :

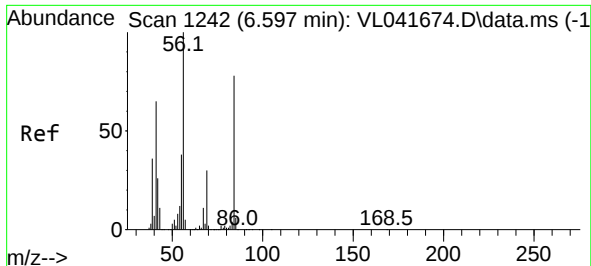
Tgt Ion: 43 Resp: 12853
Ion Ratio Lower Upper
43 100
58 36.4 21.4 32.0#



#20
Methylene Chloride
Concen: 0.092 ppbv
RT: 3.951 min Scan# 419
Delta R.T. 0.023 min
Lab File: VL041698.D
Acq: 20 Nov 2024 12:36

Tgt Ion: 84 Resp: 4481
Ion Ratio Lower Upper
84 100
49 145.5 129.7 194.5
51 55.6 39.8 59.6
86 48.1 49.1 73.7#

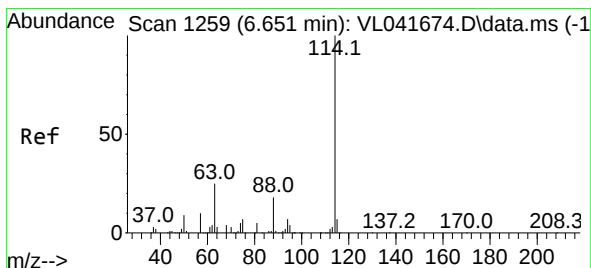
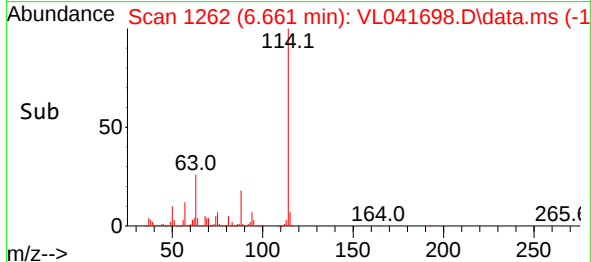
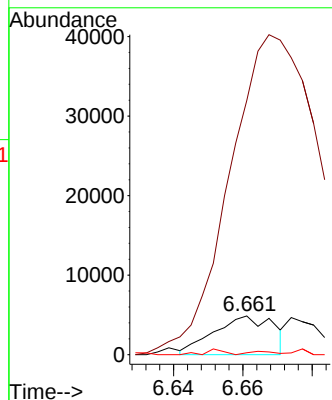
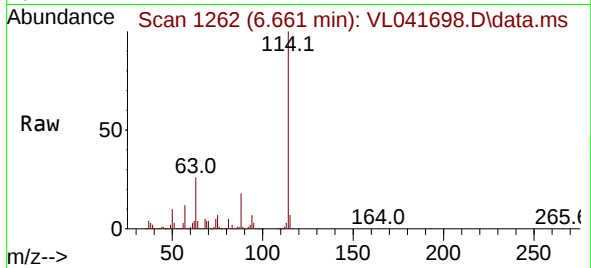




#30
Cyclohexane
Concen: 0.065 ppbv
RT: 6.661 min Scan# 1262
Delta R.T. 0.064 min
Lab File: VL041698.D
Acq: 20 Nov 2024 12:36

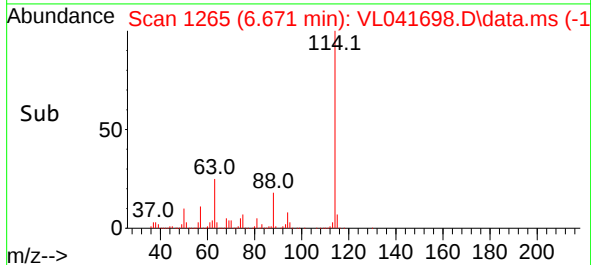
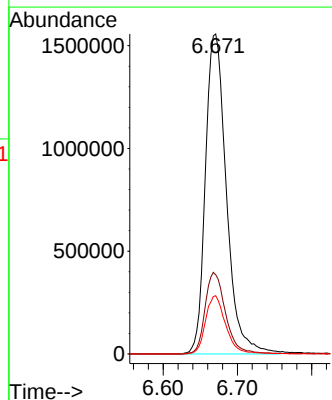
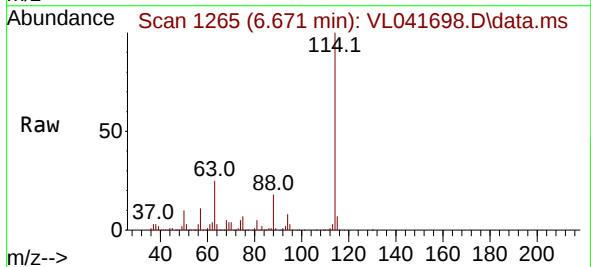
Instrument :
MSVOA_L
ClientSampleId :

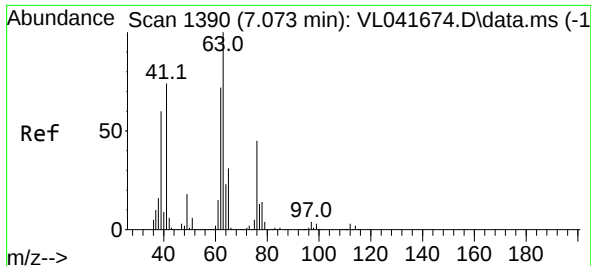
Tgt Ion: 84 Resp: 5816
Ion Ratio Lower Upper
84 100
56 1411.7 110.8 166.2#
41 13.1 70.0 105.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.671 min Scan# 1265
Delta R.T. 0.019 min
Lab File: VL041698.D
Acq: 20 Nov 2024 12:36

Tgt Ion: 114 Resp: 3057945
Ion Ratio Lower Upper
114 100
63 25.2 20.3 30.5
88 17.6 14.2 21.4





#39

1,2-Dichloropropane

Concen: 8.470 ppbv

RT: 6.668 min Scan# 11

Delta R.T. -0.405 min

Lab File: VL041698.D

Acq: 20 Nov 2024 12:36

Instrument :

MSVOA_L

ClientSampleId :

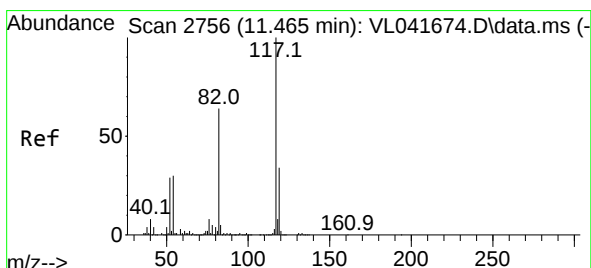
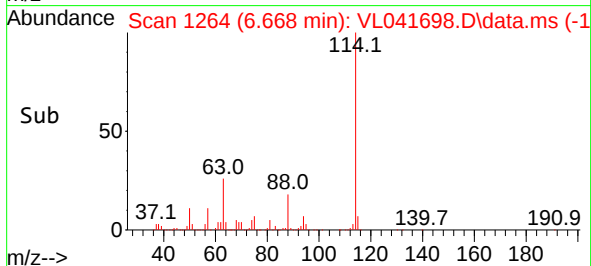
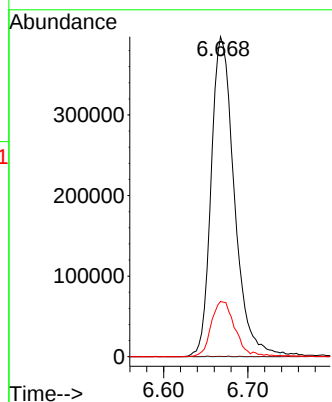
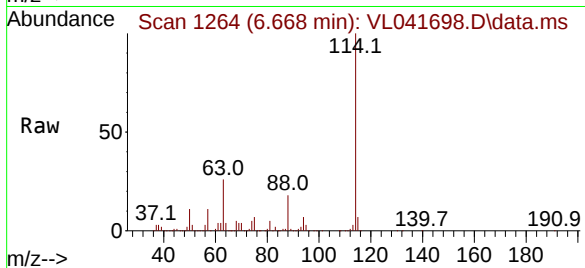
Tgt Ion: 63 Resp: 758395

Ion Ratio Lower Upper

63 100

41 0.1 59.1 88.7#

62 17.3 57.7 86.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 2762

Delta R.T. 0.019 min

Lab File: VL041698.D

Acq: 20 Nov 2024 12:36

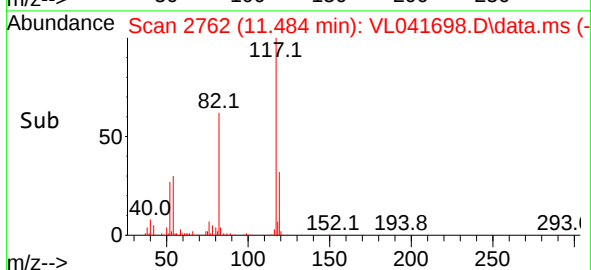
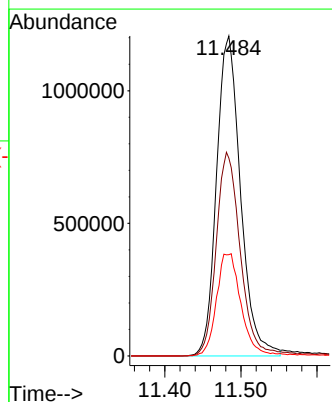
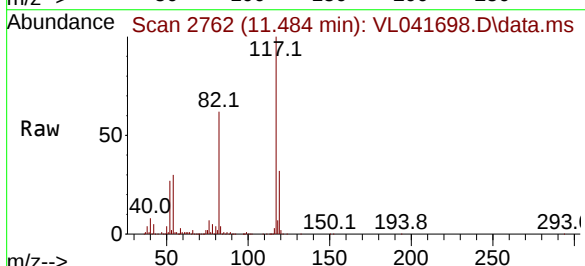
Tgt Ion: 117 Resp: 2649975

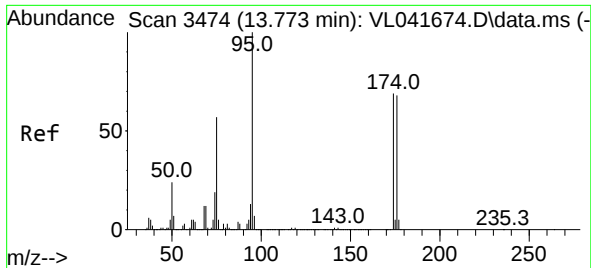
Ion Ratio Lower Upper

117 100

82 65.2 49.8 74.8

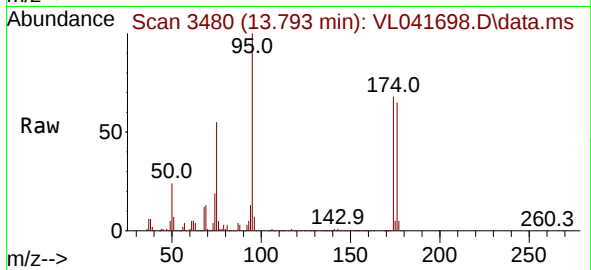
119 33.5 24.2 36.4





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.899 ppbv
 RT: 13.793 min Scan# 34
 Delta R.T. 0.019 min
 Lab File: VL041698.D
 Acq: 20 Nov 2024 12:36

Instrument :
 MSVOA_L
 ClientSampleId :



Tgt Ion: 95 Resp: 1932714

Ion	Ratio	Lower	Upper
95	100		
174	70.1	55.6	83.4
175	5.0	4.2	6.2

