

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092222\
 Data File : VL039669.D
 Acq On : 22 Sep 2022 17:02
 Operator : SY/AP
 Sample : VL0922ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0922ABL01

Quant Time: Sep 23 06:35:22 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Sep 19 14:26:28 2022
 Response via : Initial Calibration

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

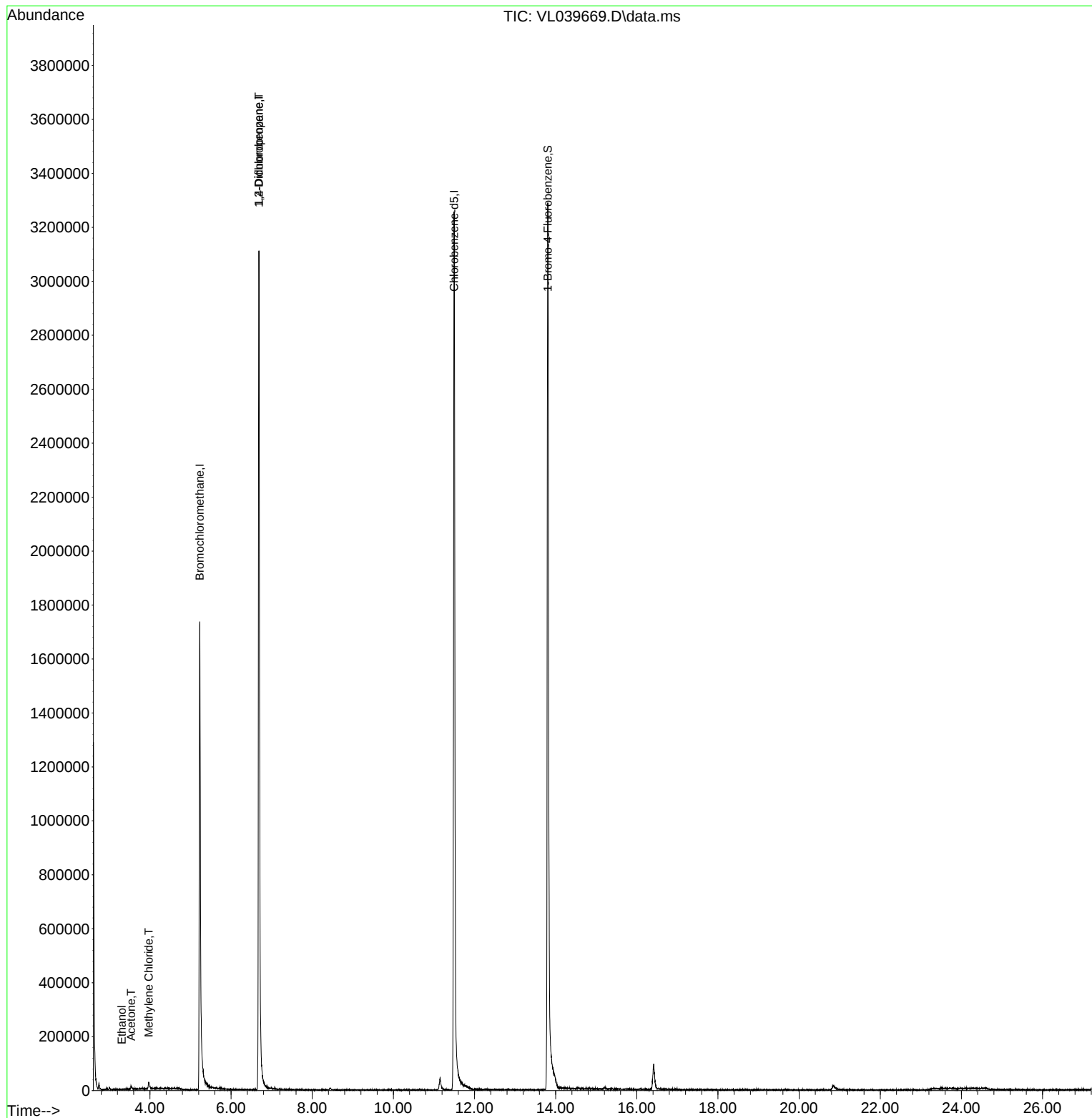
Internal Standards						
1) Bromochloromethane	5.227	49	931925	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.687	114	2440305	10.000	ppbv	0.03
55) Chlorobenzene-d5	11.497	117	2200020	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.806	95	1628823	9.918	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
13) Ethanol	3.304	45	130	0.034	ppbv	76
15) Acetone	3.533	43	9957	0.096	ppbv #	60
20) Methylene Chloride	3.970	84	8135	0.170	ppbv #	91
39) 1,2-Dichloropropane	6.684	63	610590	8.475	ppbv #	25

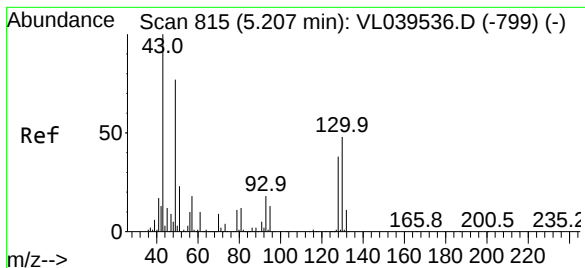
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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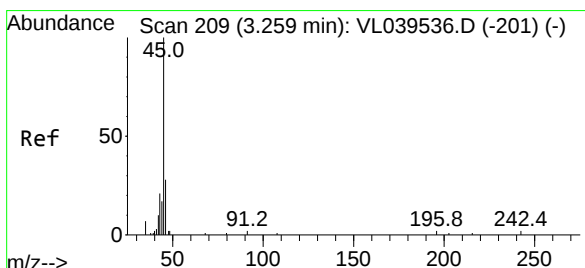
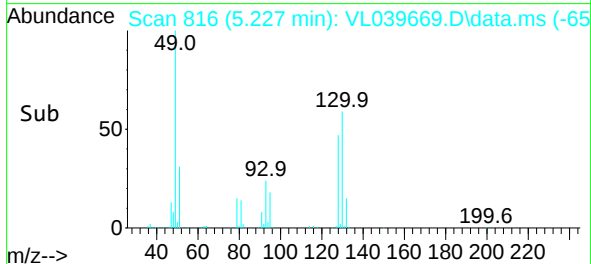
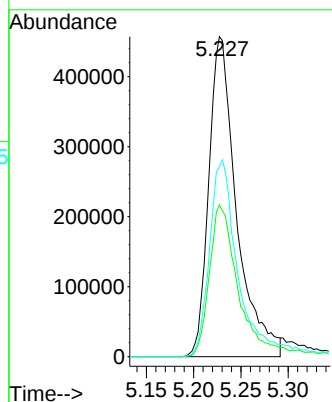
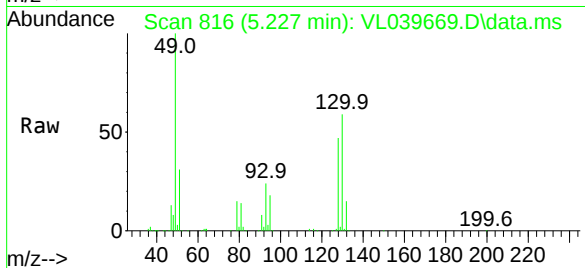




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.227 min Scan# 815
Delta R.T. 0.020 min
Lab File: VL039669.D
Acq: 22 Sep 2022 17:02

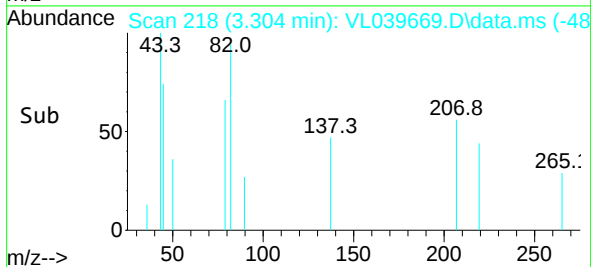
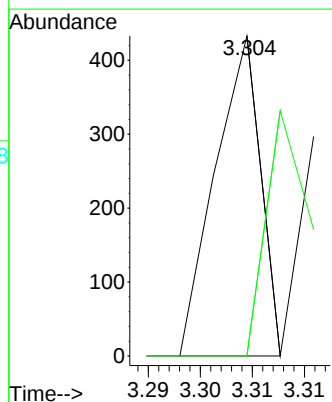
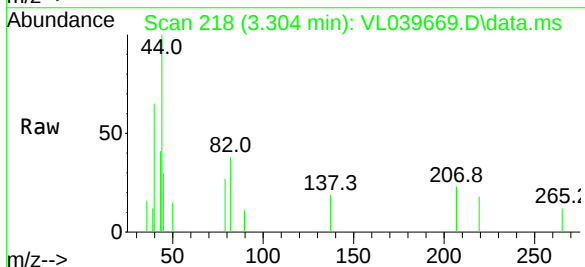
Instrument :
MSVOA_L
ClientSampleId :
VL0922ABL01

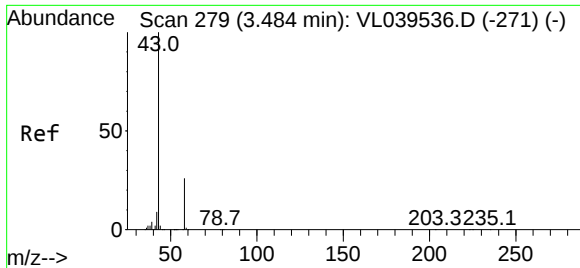
Tgt Ion: 49 Resp: 931925
Ion Ratio Lower Upper
49 100
128 51.9 26.7 80.0
130 66.2 34.3 102.8



#13
Ethanol
Concen: 0.034 ppbv
RT: 3.304 min Scan# 218
Delta R.T. 0.046 min
Lab File: VL039669.D
Acq: 22 Sep 2022 17:02

Tgt Ion: 45 Resp: 130
Ion Ratio Lower Upper
45 100
46 74.6 22.8 91.2





#15

Acetone

Concen: 0.096 ppbv

RT: 3.533 min Scan# 21

Delta R.T. 0.049 min

Lab File: VL039669.D

Acq: 22 Sep 2022 17:02

Instrument :

MSVOA_L

ClientSampleId :

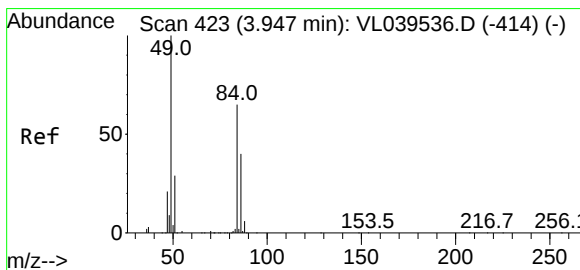
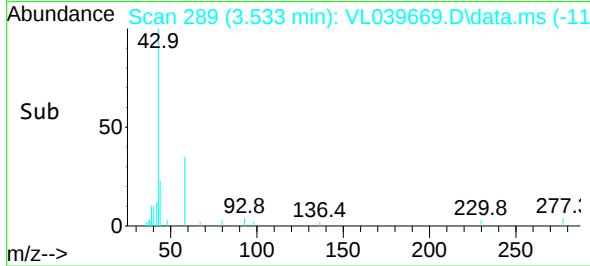
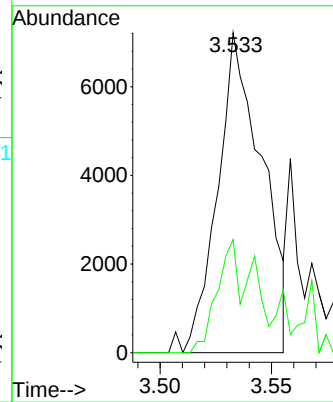
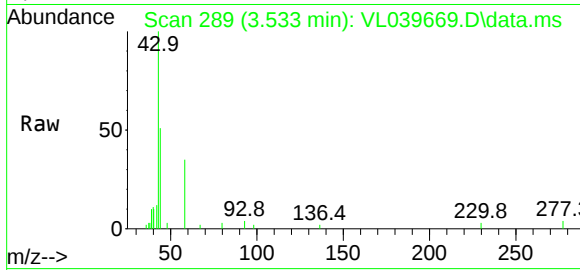
VL0922ABL01

Tgt Ion: 43 Resp: 9957

Ion Ratio Lower Upper

43 100

58 46.9 21.0 31.6#



#20

Methylene Chloride

Concen: 0.170 ppbv

RT: 3.970 min Scan# 425

Delta R.T. 0.023 min

Lab File: VL039669.D

Acq: 22 Sep 2022 17:02

Tgt Ion: 84 Resp: 8135

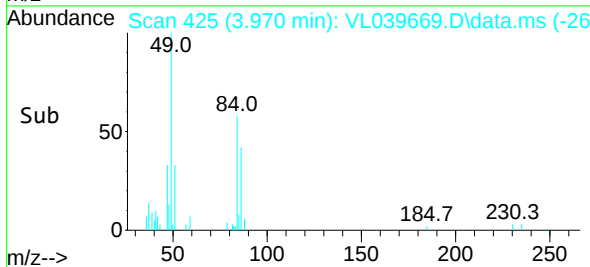
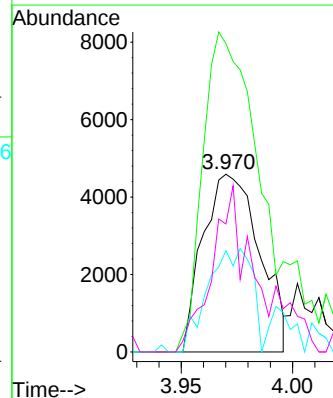
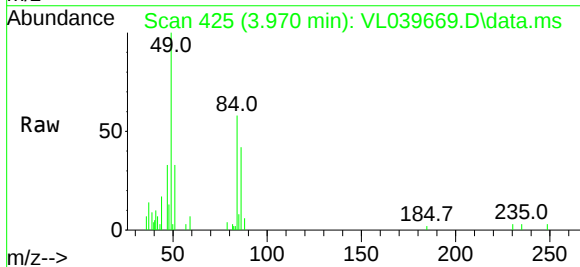
Ion Ratio Lower Upper

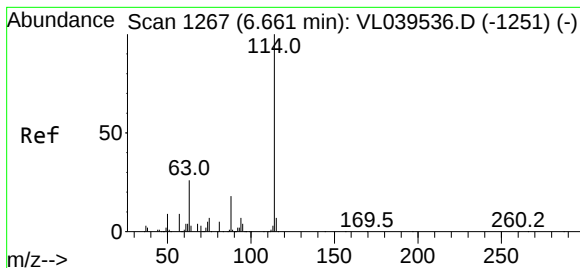
84 100

49 163.3 123.1 184.7

51 56.9 34.4 51.6#

86 65.9 51.1 76.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.687 min Scan# 11

Delta R.T. 0.026 min

Lab File: VL039669.D

Acq: 22 Sep 2022 17:02

Instrument :

MSVOA_L

ClientSampleId :

VL0922ABL01

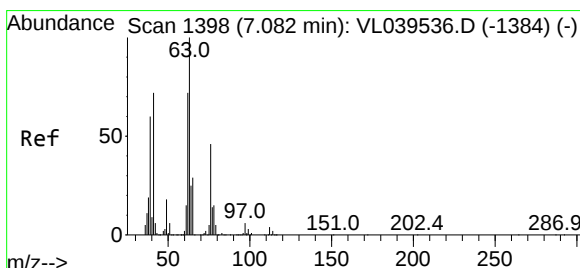
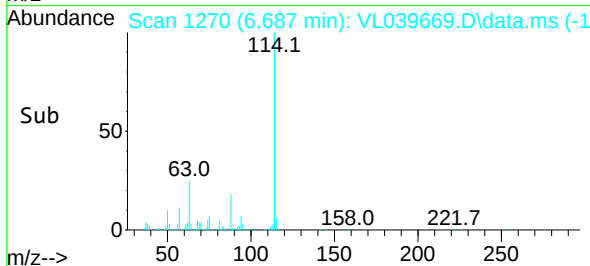
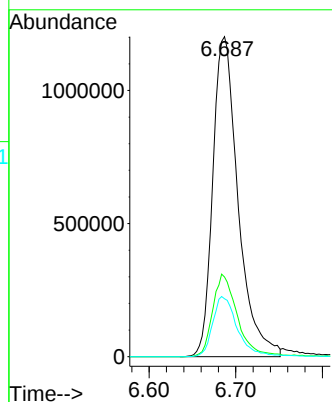
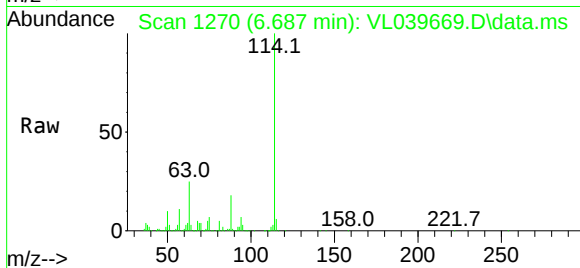
Tgt Ion:114 Resp: 2440305

Ion Ratio Lower Upper

114 100

63 25.7 20.2 30.4

88 18.8 14.5 21.7



#39

1,2-Dichloropropane

Concen: 8.475 ppbv

RT: 6.684 min Scan# 1269

Delta R.T. -0.398 min

Lab File: VL039669.D

Acq: 22 Sep 2022 17:02

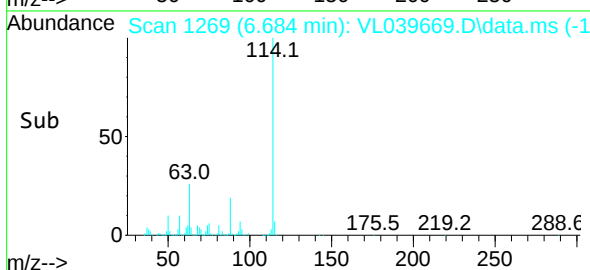
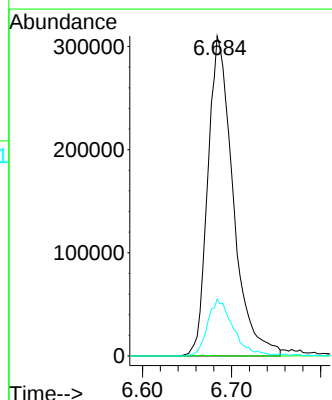
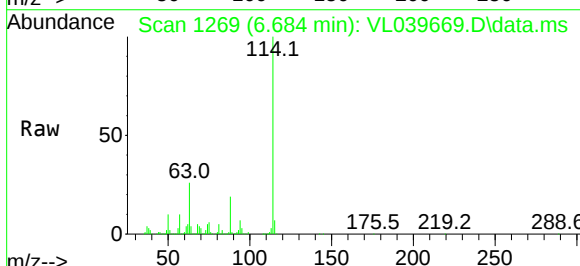
Tgt Ion: 63 Resp: 610590

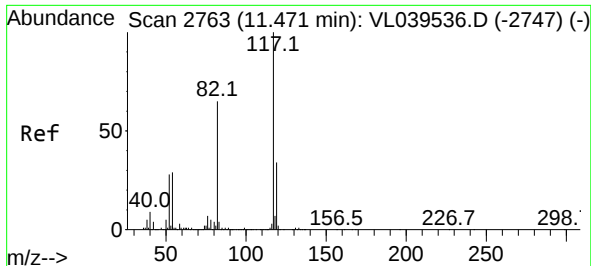
Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 17.8 51.4 77.0#

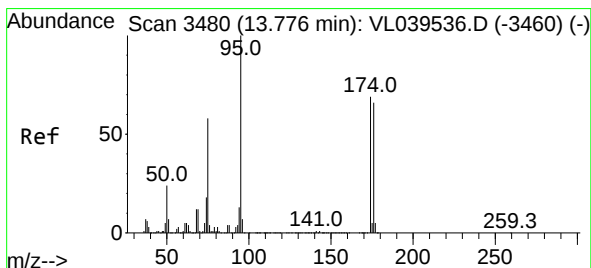
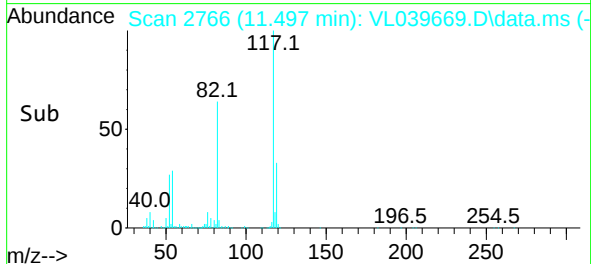
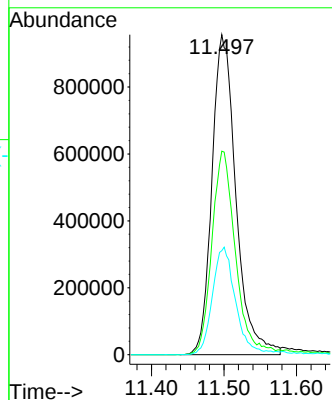
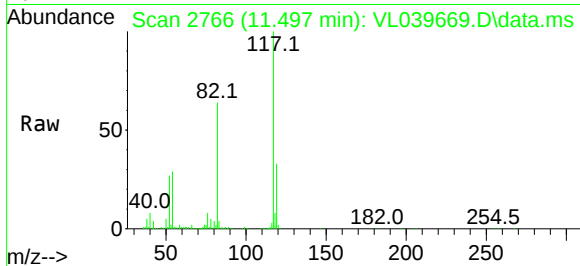




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.497 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL039669.D
Acq: 22 Sep 2022 17:02

Instrument :
MSVOA_L
ClientSampleId :
VL0922ABL01

Tgt Ion:117 Resp: 2200020
Ion Ratio Lower Upper
117 100
82 64.8 50.8 76.2
119 33.2 24.1 36.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.918 ppbv
RT: 13.806 min Scan# 3484
Delta R.T. 0.030 min
Lab File: VL039669.D
Acq: 22 Sep 2022 17:02

Tgt Ion: 95 Resp: 1628823
Ion Ratio Lower Upper
95 100
174 73.3 55.9 83.9
175 5.3 4.2 6.4

