

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL081822\
 Data File : VL039563.D
 Acq On : 18 Aug 2022 17:41
 Operator : SY/AP
 Sample : QC072822 CAN 10410
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 19 03:03:44 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

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

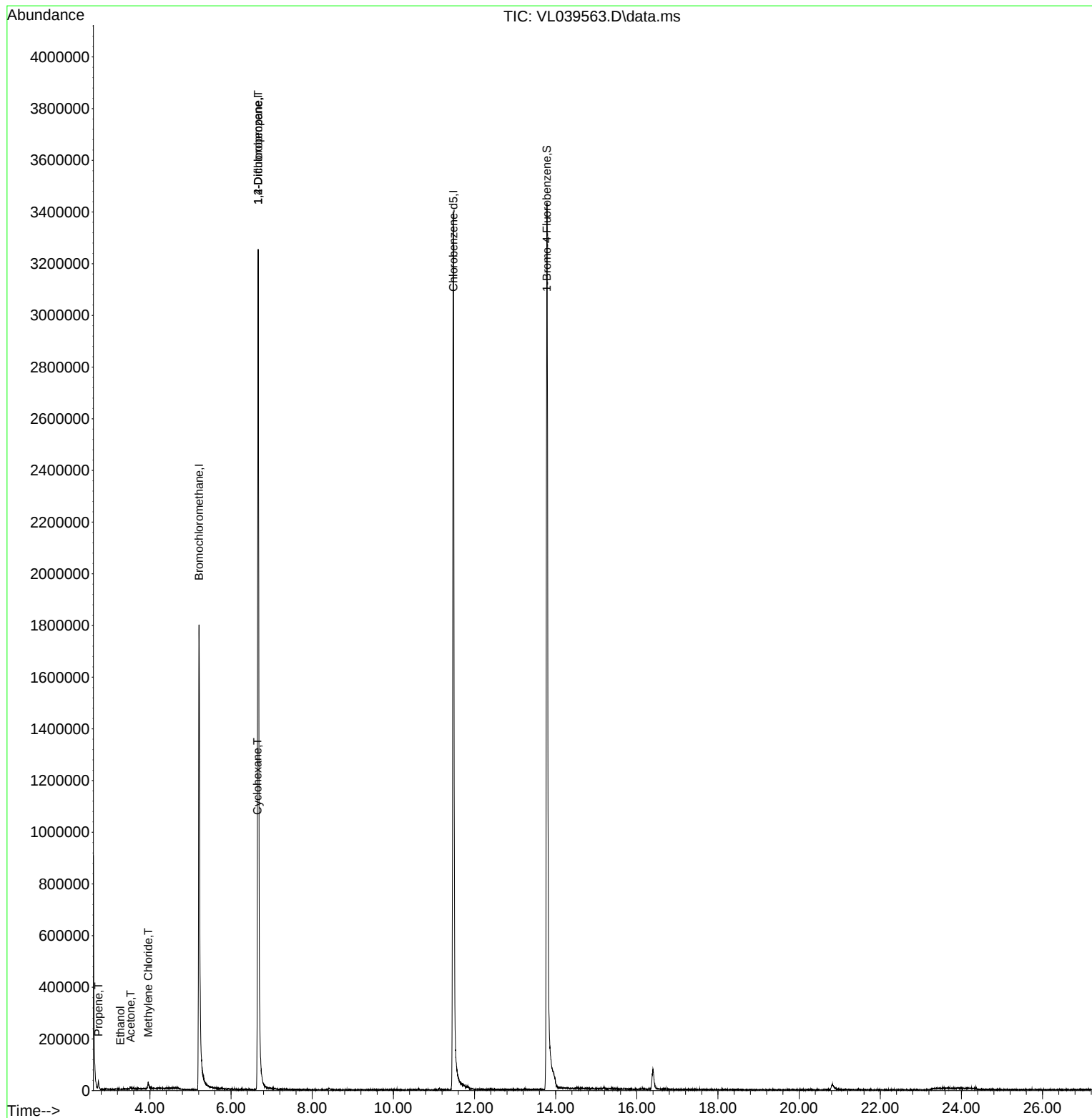
Internal Standards						
1) Bromochloromethane	5.211	49	977781	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2597699	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2309383	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1724982	9.922	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.200%
Target Compounds						
					Qvalue	
9) Propene	2.729	41	7255	0.136	ppbv	85
13) Ethanol	3.276	45	184	0.048	ppbv #	29
15) Acetone	3.523	43	6775	0.061	ppbv #	70
20) Methylene Chloride	3.957	84	5747	0.128	ppbv	89
30) Cyclohexane	6.648	84	2639	0.033	ppbv #	100
39) 1,2-Dichloropropane	6.668	63	638522	8.605	ppbv #	24

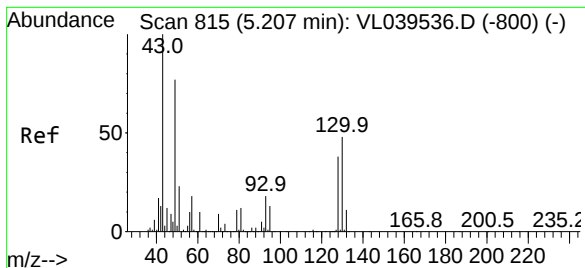
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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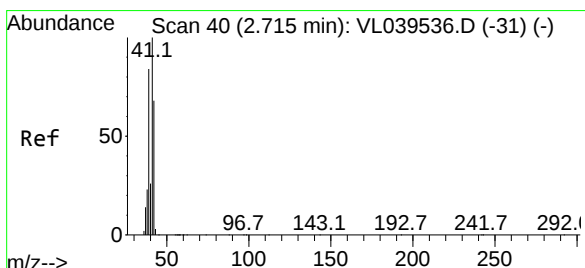
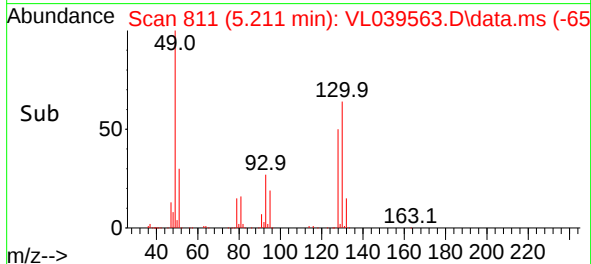
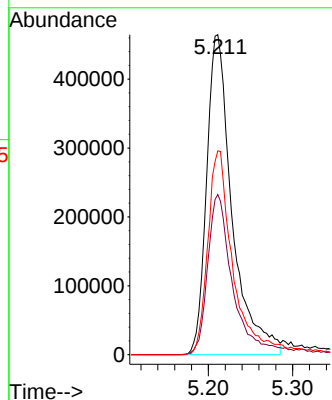
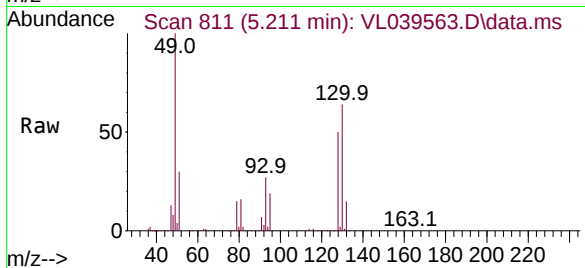




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL039563.D
Acq: 18 Aug 2022 17:41

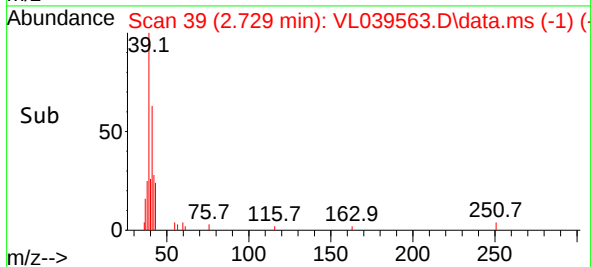
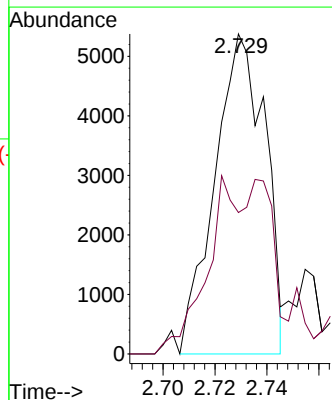
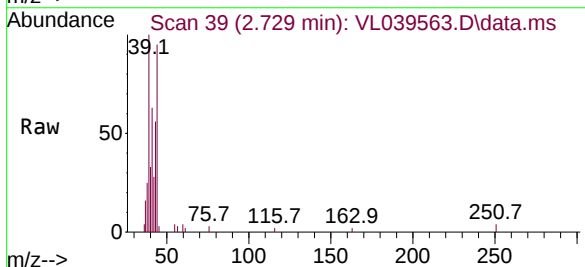
Instrument :
MSVOA_L
ClientSampleId :

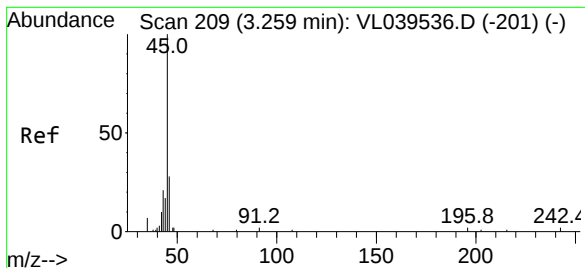
Tgt Ion: 49 Resp: 977781
Ion Ratio Lower Upper
49 100
128 51.6 25.7 77.0
130 65.8 31.6 95.0



#9
Propene
Concen: 0.136 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.014 min
Lab File: VL039563.D
Acq: 18 Aug 2022 17:41

Tgt Ion: 41 Resp: 7255
Ion Ratio Lower Upper
41 100
42 81.5 55.4 83.0

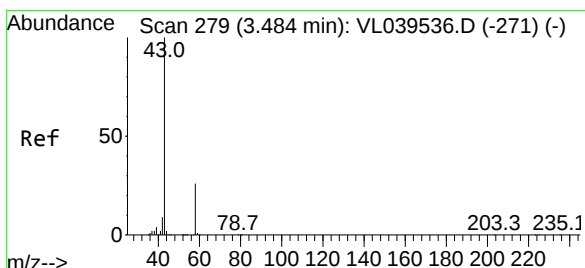
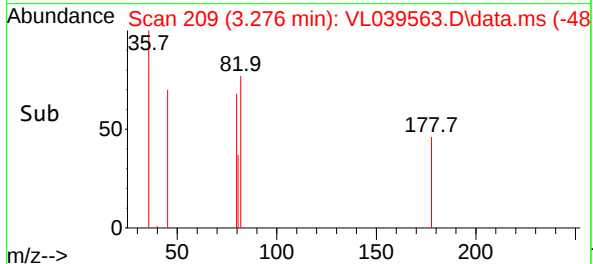
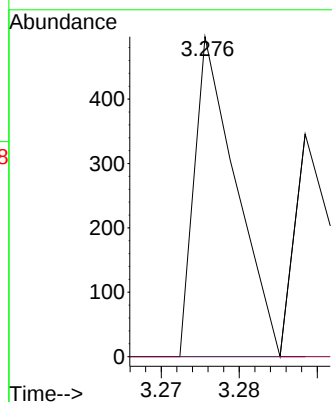
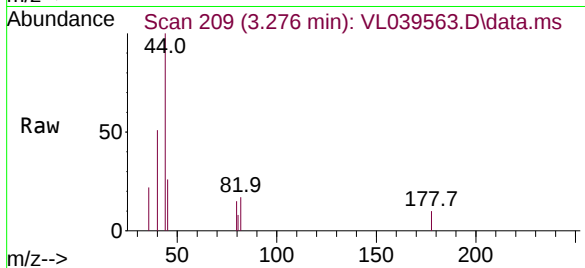




#13
 Ethanol
 Concen: 0.048 ppbv
 RT: 3.276 min Scan# 209
 Delta R.T. 0.017 min
 Lab File: VL039563.D
 Acq: 18 Aug 2022 17:41

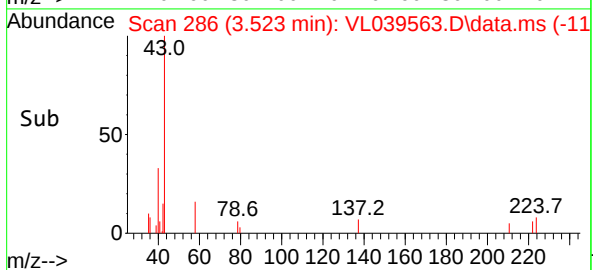
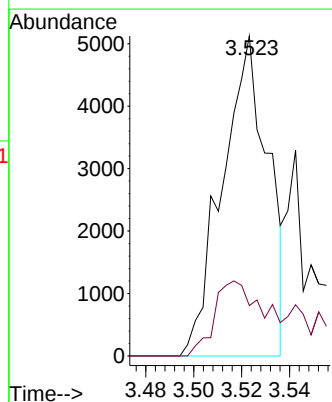
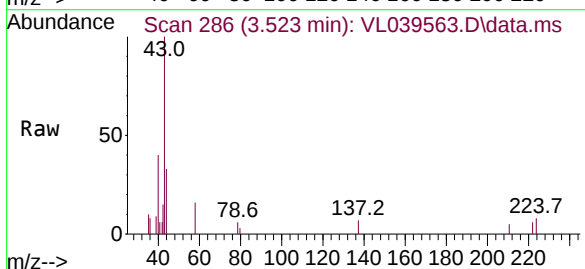
Instrument :
 MSVOA_L
 ClientSampleId :

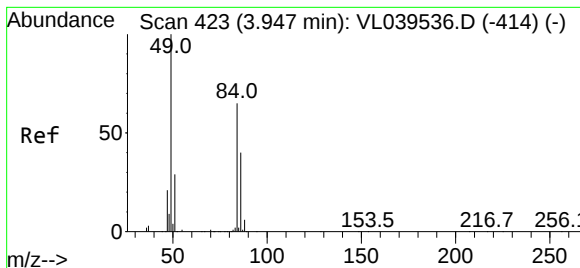
Tgt Ion: 45 Resp: 184
 Ion Ratio Lower Upper
 45 100
 46 0.0 19.3 77.1#



#15
 Acetone
 Concen: 0.061 ppbv
 RT: 3.523 min Scan# 286
 Delta R.T. 0.039 min
 Lab File: VL039563.D
 Acq: 18 Aug 2022 17:41

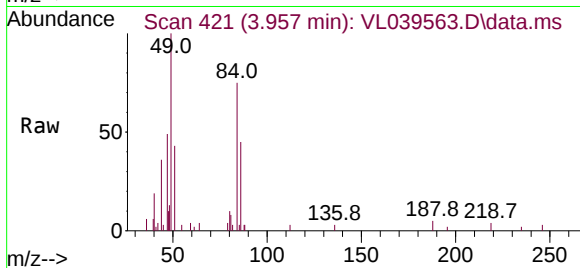
Tgt Ion: 43 Resp: 6775
 Ion Ratio Lower Upper
 43 100
 58 41.0 20.7 31.1#



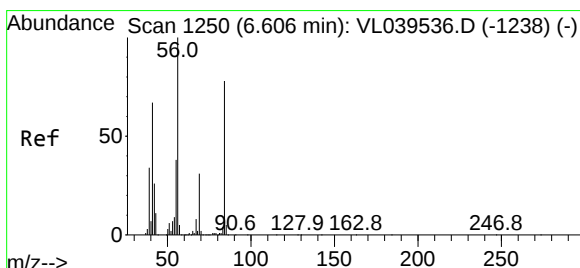
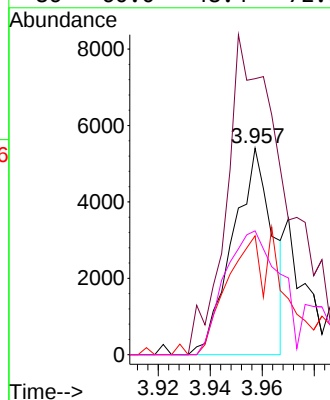
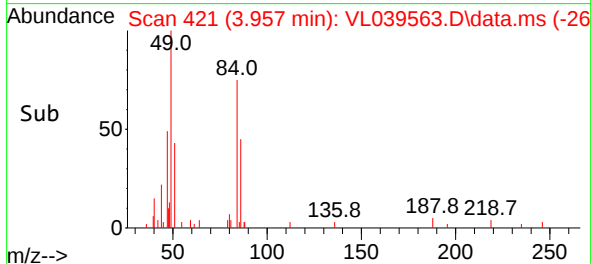


#20
Methylene Chloride
Concen: 0.128 ppbv
RT: 3.957 min Scan# 41
Delta R.T. 0.010 min
Lab File: VL039563.D
Acq: 18 Aug 2022 17:41

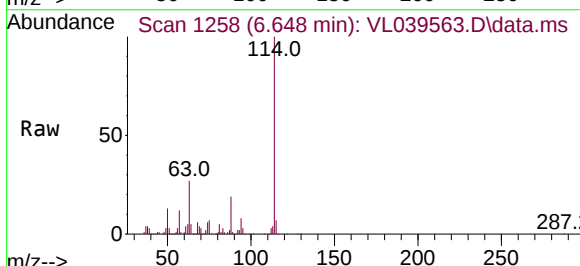
Instrument :
MSVOA_L
ClientSampleId :



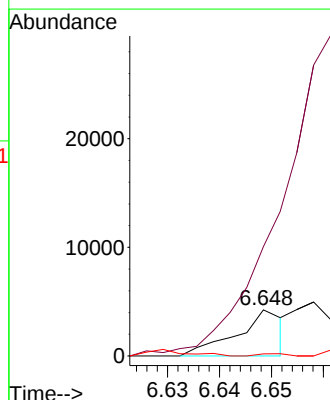
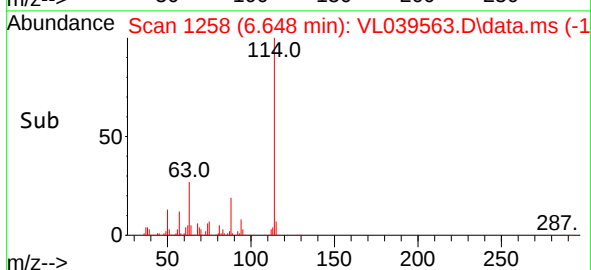
Tgt Ion: 84	Resp: 5747
Ion Ratio	Lower Upper
84 100	
49 133.7	122.2 183.4
51 52.5	35.8 53.6
86 60.0	48.4 72.6

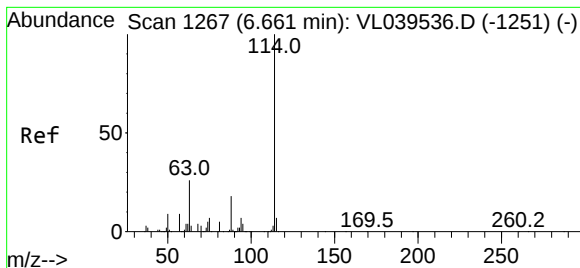


#30
Cyclohexane
Concen: 0.033 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. 0.043 min
Lab File: VL039563.D
Acq: 18 Aug 2022 17:41



Tgt Ion: 84	Resp: 2639
Ion Ratio	Lower Upper
84 100	
56 0.0	0.0 0.0
41 0.0	0.0 0.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. 0.007 min

Lab File: VL039563.D

Acq: 18 Aug 2022 17:41

Instrument :

MSVOA_L

ClientSampleId :

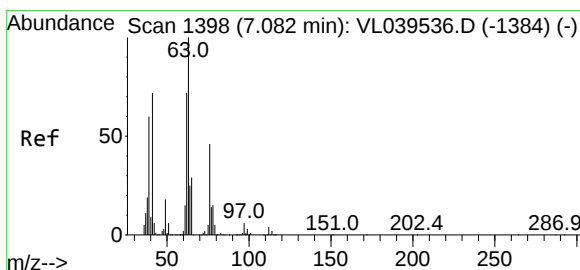
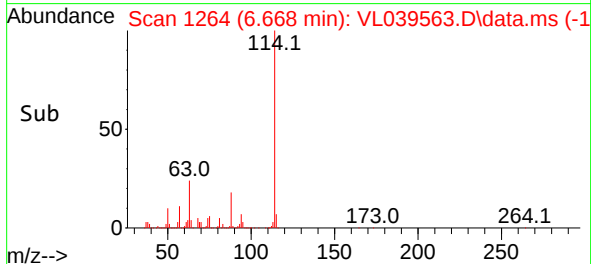
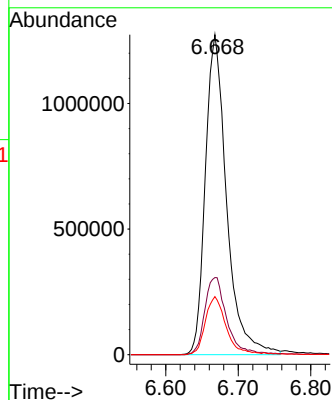
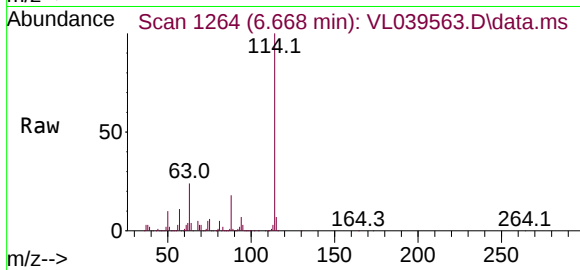
Tgt Ion:114 Resp: 2597699

Ion Ratio Lower Upper

114 100

63 25.3 20.6 31.0

88 18.2 14.6 22.0



#39

1,2-Dichloropropane

Concen: 8.605 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. -0.414 min

Lab File: VL039563.D

Acq: 18 Aug 2022 17:41

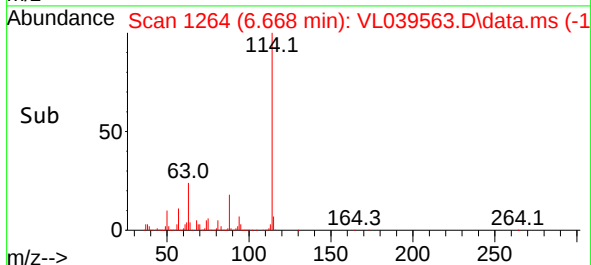
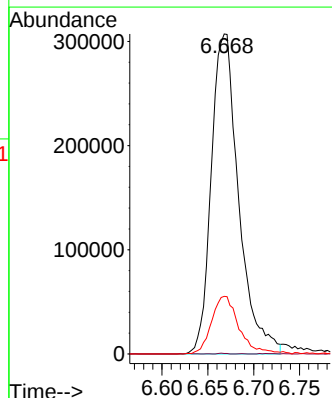
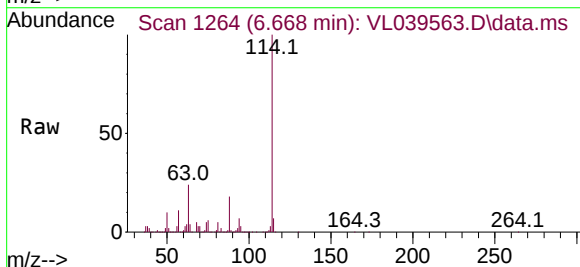
Tgt Ion: 63 Resp: 638522

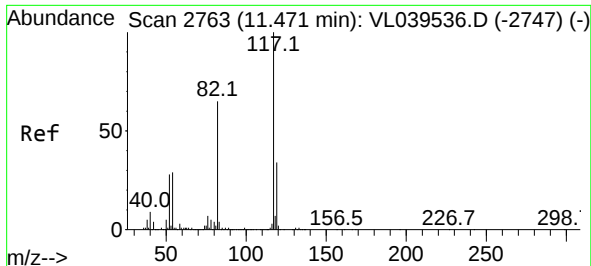
Ion Ratio Lower Upper

63 100

41 0.1 58.0 87.0#

62 18.0 57.8 86.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.478 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL039563.D

Acq: 18 Aug 2022 17:41

Instrument :

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ClientSampleId :

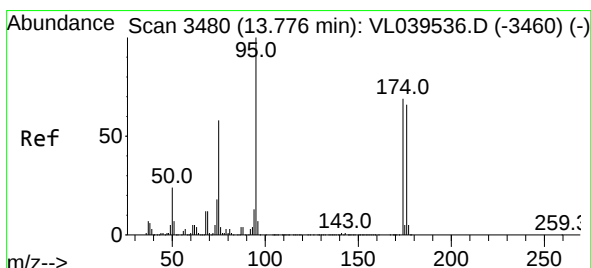
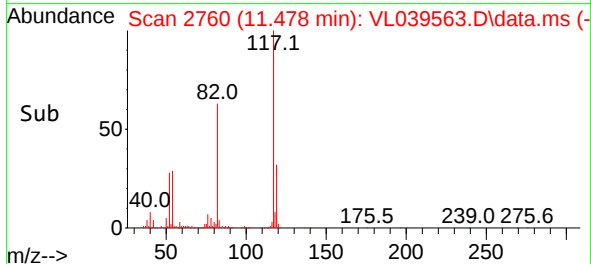
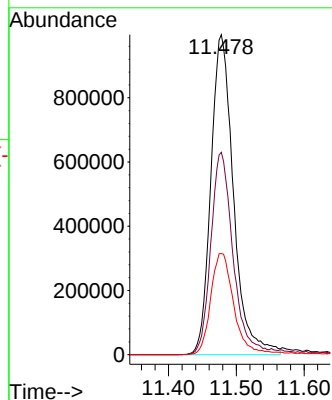
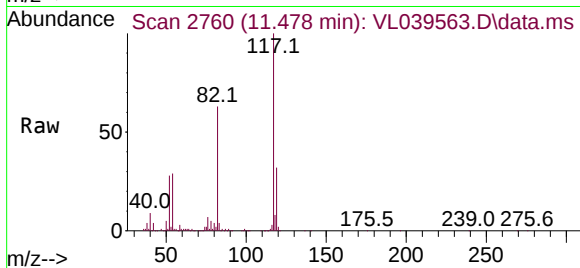
Tgt Ion:117 Resp: 2309383

Ion Ratio Lower Upper

117 100

82 64.1 49.1 73.7

119 33.3 25.9 38.9



#68

1-Bromo-4-Fluorobenzene

Concen: 9.922 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.010 min

Lab File: VL039563.D

Acq: 18 Aug 2022 17:41

Tgt Ion: 95 Resp: 1724982

Ion Ratio Lower Upper

95 100

174 73.6 56.3 84.5

175 5.3 4.3 6.5

