

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL083122\
 Data File : VL039604.D
 Acq On : 31 Aug 2022 11:46
 Operator : SY/AP
 Sample : VL0831ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0831ABL01

Quant Time: Aug 31 23:44:08 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.21	49	952478	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.67	114	2576762	10.00	ppbv	0.01
55) Chlorobenzene-d5	11.48	117	2254913	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.79	95	1640030	9.64	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

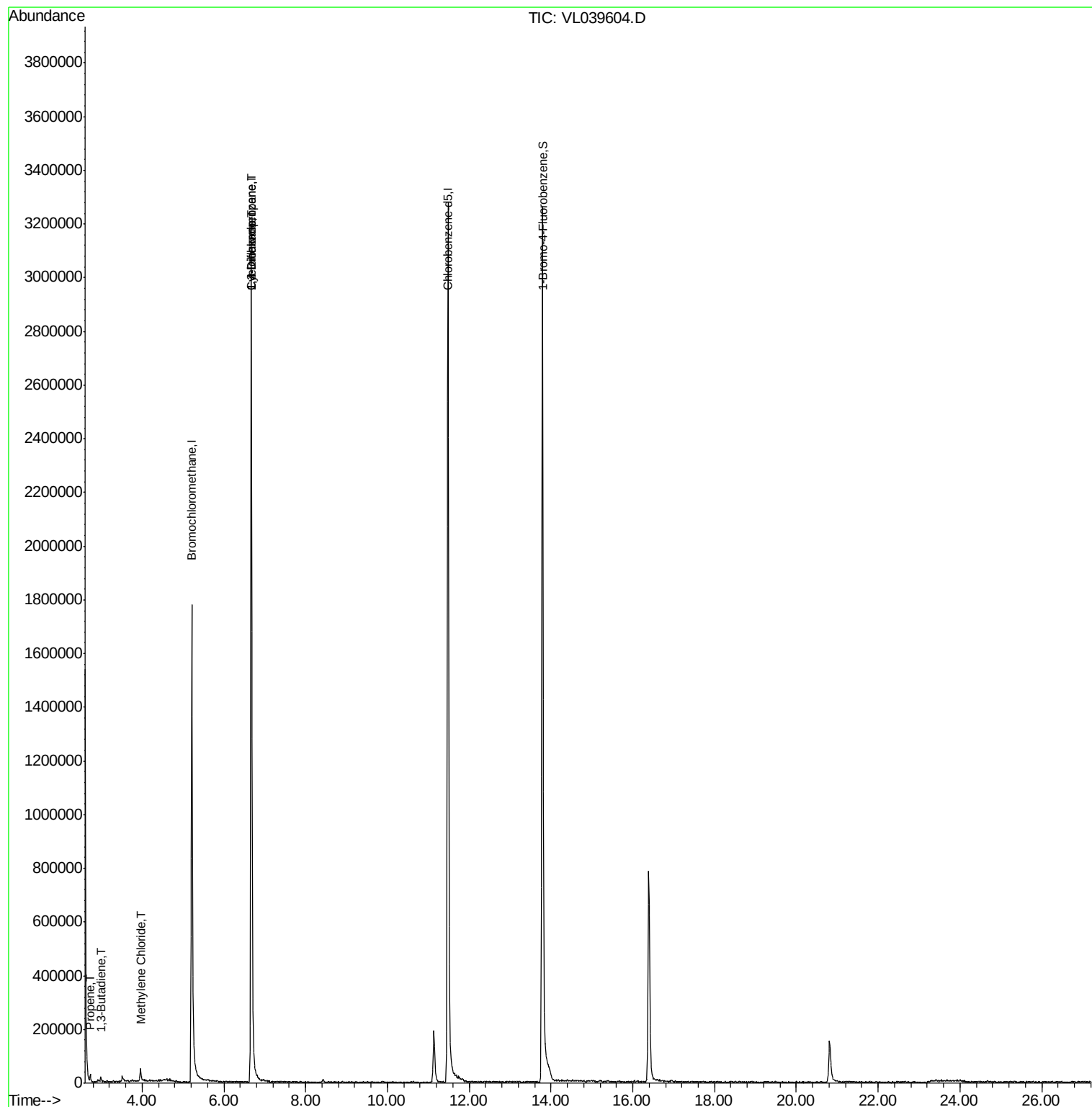
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.73	41	6212	0.120	ppbv	92
16) 1,3-Butadiene	3.00	39	2180	0.039	ppbv #	10
20) Methylene Chloride	3.97	84	11388	0.263	ppbv	85
30) Cyclohexane	6.66	84	3912	0.051	ppbv #	1
39) 1,2-Dichloropropane	6.67	63	616832	8.353	ppbv #	25

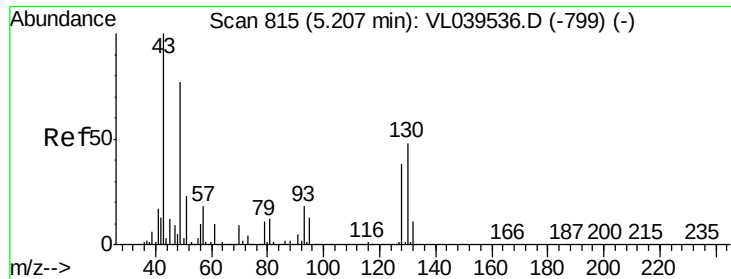
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0831ABL01

Acq: 31 Aug 2022 11:40

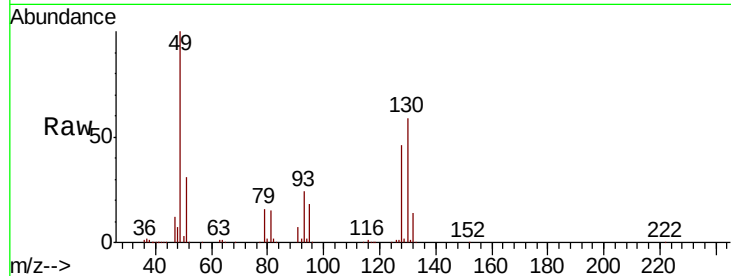
Tot Ion: 49 Resp: 952478

Ion Ratio Lower Upper

49 100

128 51.7 26.7 80.0

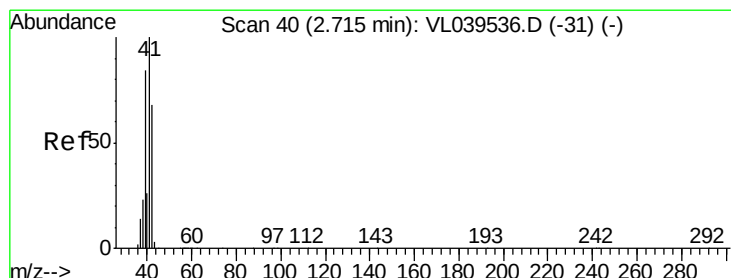
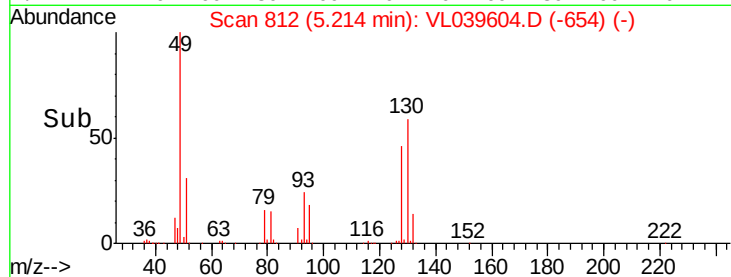
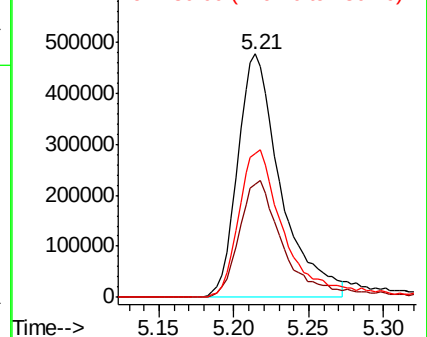
130 66.7 34.3 102.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.120 ppbv

RT: 2.73 min Scan# 40

Delta R.T. 0.02 min

Lab File: VL039604.D

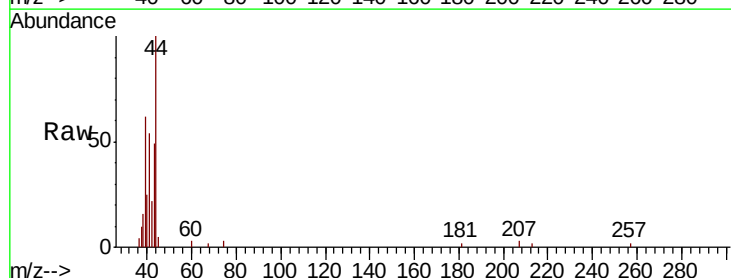
Acq: 31 Aug 2022 11:46

Tgt Ion: 41 Resp: 6212

Ion Ratio Lower Upper

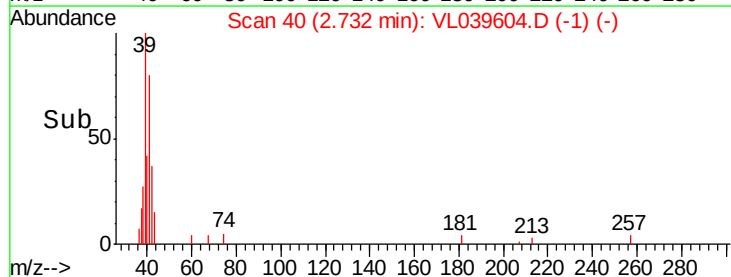
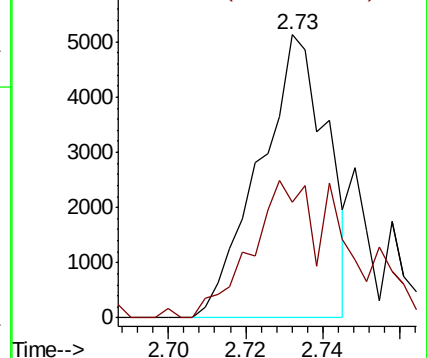
41 100

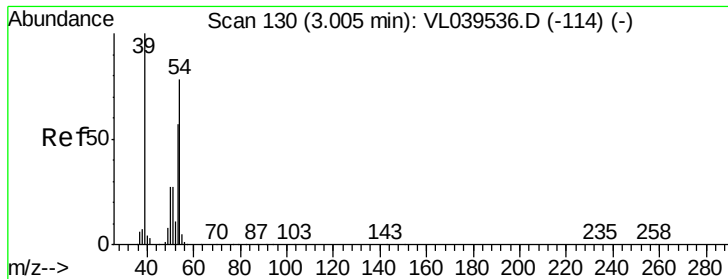
42 75.8 55.2 82.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

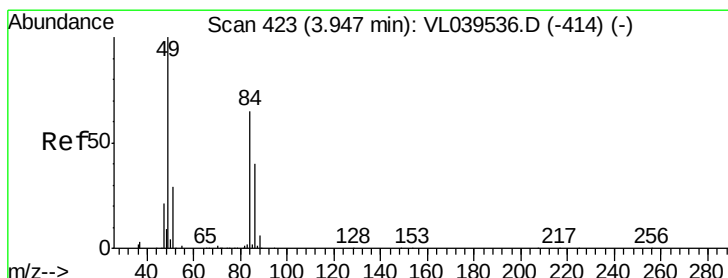
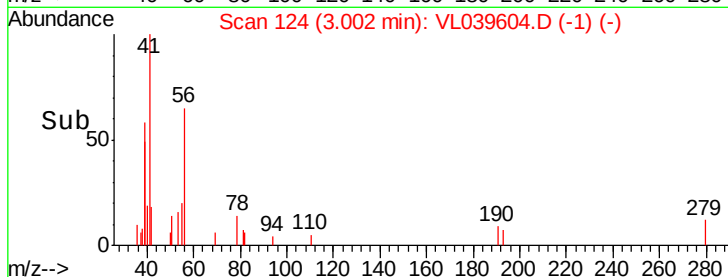
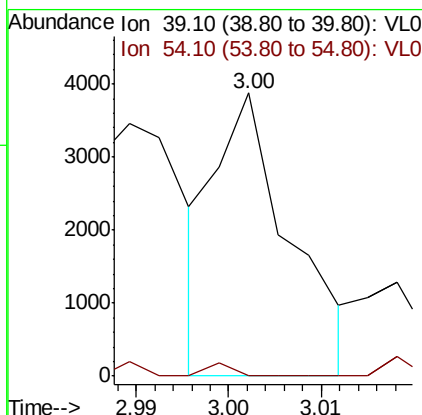
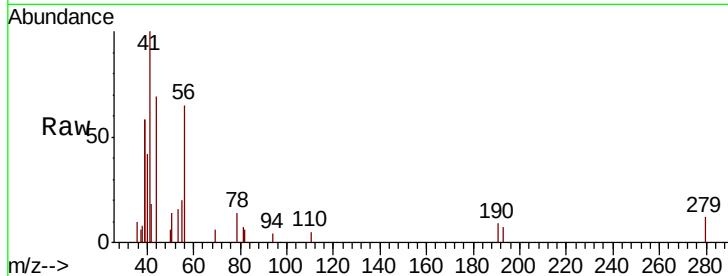
Ion 42.10 (41.80 to 42.80): VL0





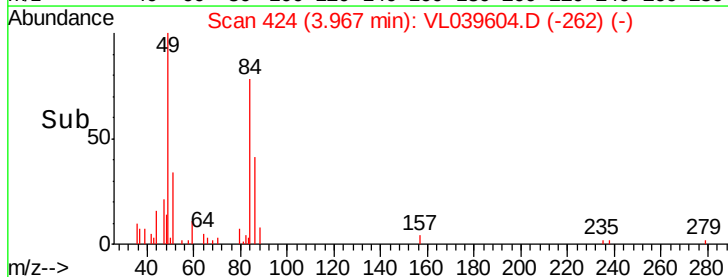
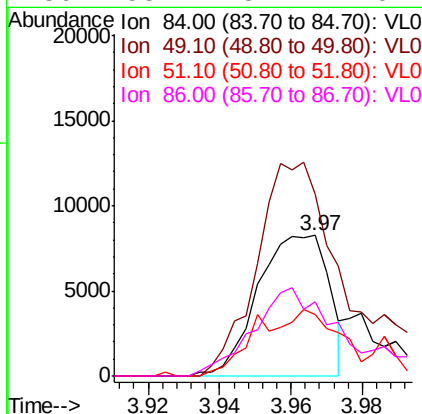
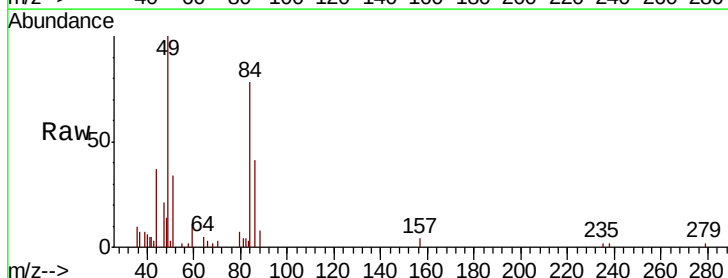
#16
1,3-Butadiene
Concen: 0.039 ppbv
RT: 3.00
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
VL0831ABL01
Acq: 31 Aug 2022 11:40

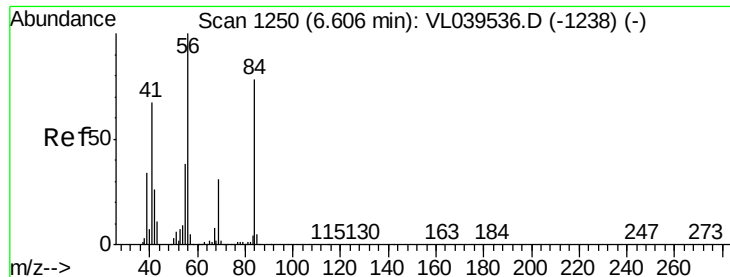
Tot Ion: 39 Resp: 2180
Ion Ratio Lower Upper
39 100
54 0.0 63.7 95.5#



#20
Methylene Chloride
Concen: 0.263 ppbv
RT: 3.97 min Scan# 424
Delta R.T. 0.02 min
Lab File: VL039604.D
Acq: 31 Aug 2022 11:46

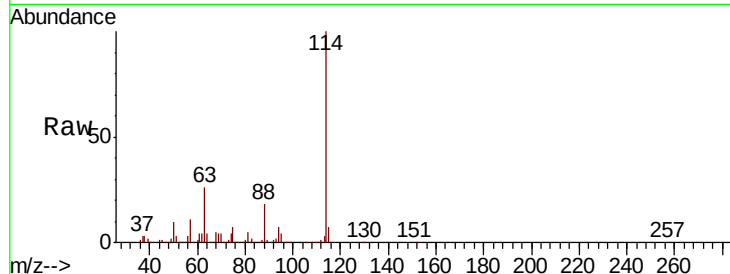
Tgt Ion: 84 Resp: 11388
Ion Ratio Lower Upper
84 100
49 129.0 123.1 184.7
51 43.9 34.4 51.6
86 53.2 51.1 76.7





#30
Cvclohexane
Concen: 0.051 ppbv
RT: 6.66 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 31 Aug 2022 11:40

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.7	161.5#
41	3.6	67.7	101.5#

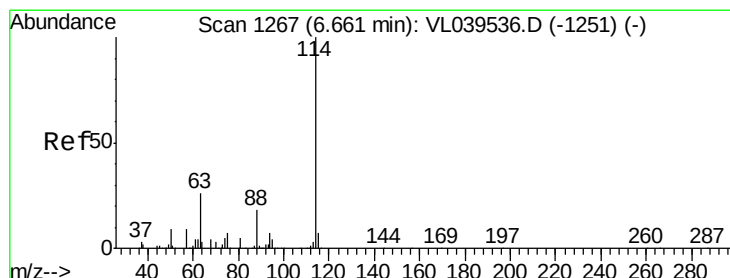
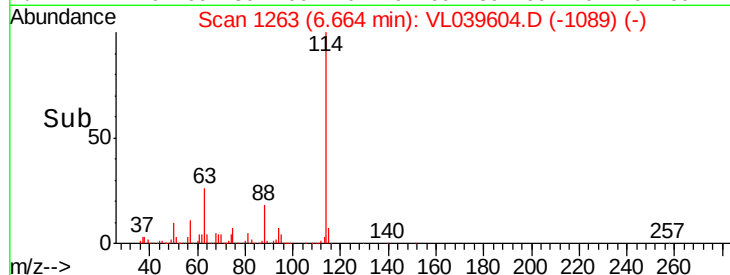
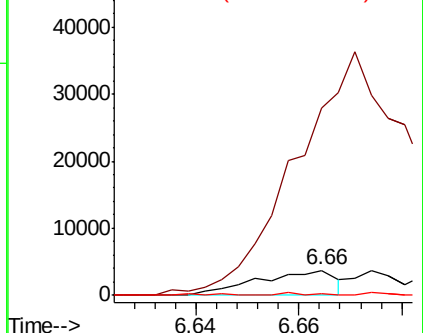


Abundance

Ion 84.20 (83.90 to 84.90): VL0

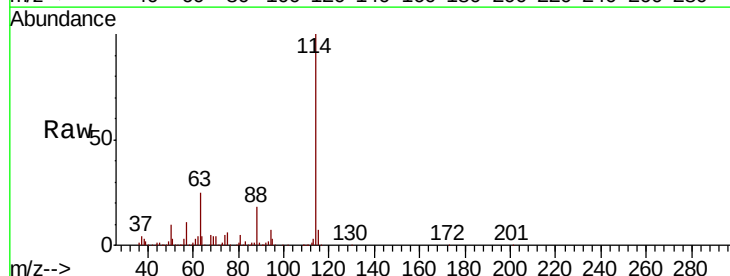
Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.67 min Scan# 1265
Delta R.T.: 0.01 min
Lab File: VL039604.D
Acq: 31 Aug 2022 11:46

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.9	20.2	30.4
88	17.8	14.5	21.7

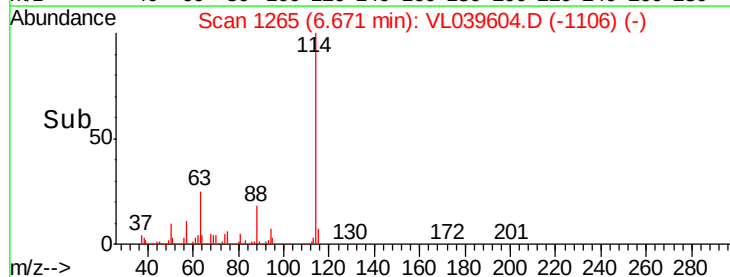
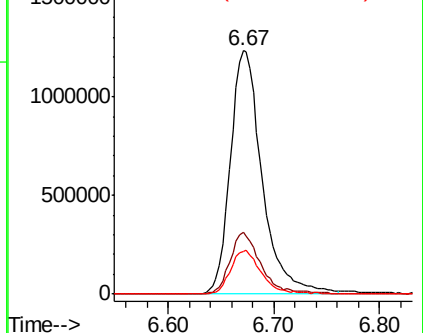


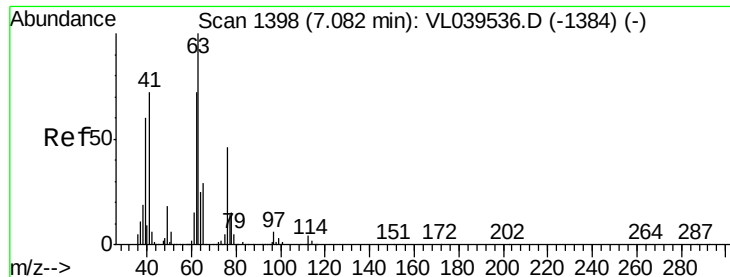
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.353 ppbv

RT: 6.67

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Aug 2022 11:48

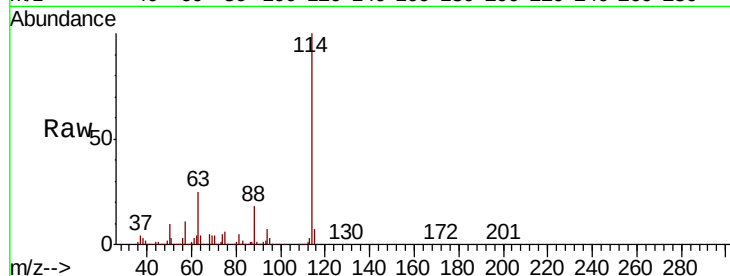
Tot Ion: 63 Resp: 616832

Ion Ratio Lower Upper

63 100

41 0.1 59.6 89.4#

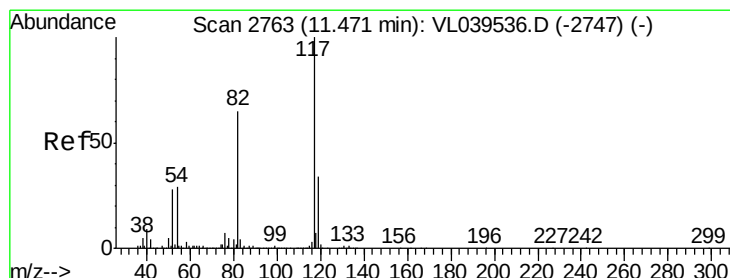
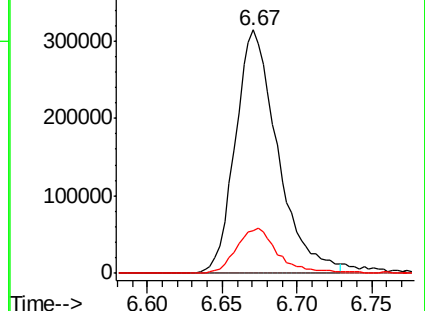
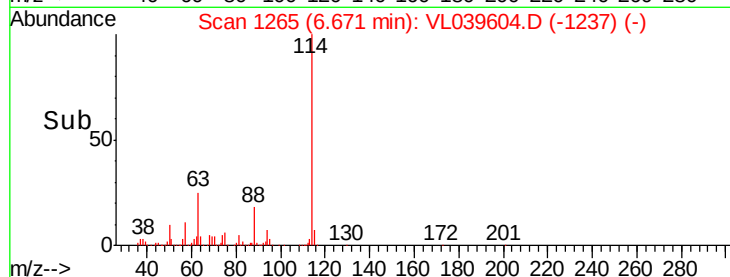
62 17.5 51.4 77.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.48 min Scan# 2761

Delta R.T. 0.01 min

Lab File: VL039604.D

Acq: 31 Aug 2022 11:46

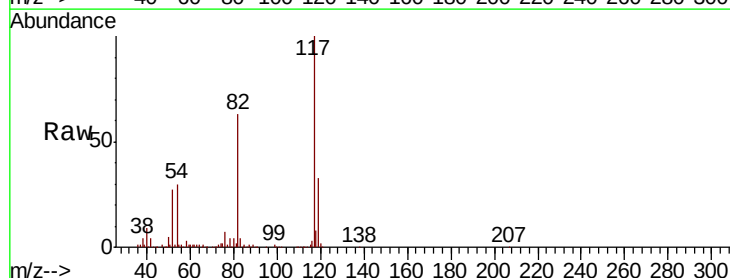
Tgt Ion: 117 Resp: 2254913

Ion Ratio Lower Upper

117 100

82 64.1 50.8 76.2

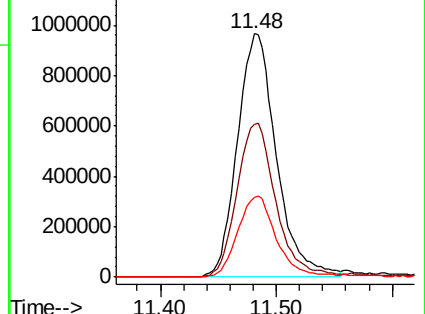
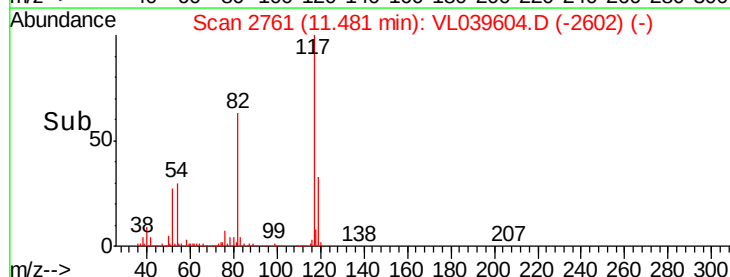
119 33.7 24.1 36.1

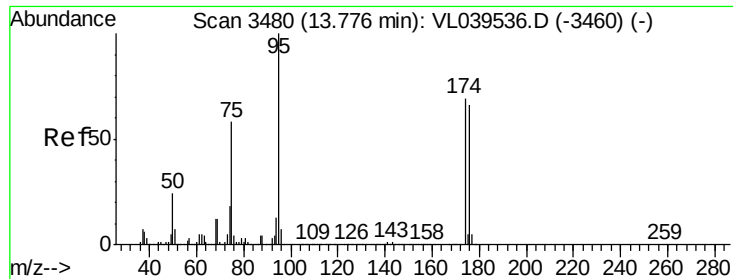


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.641 ppbv

RT: 13.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 31 Aug 2022 11:40

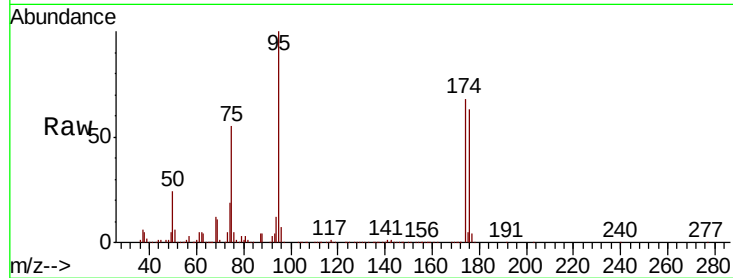
Tot Ion: 95 Resp: 1640030

Ion Ratio Lower Upper

95 100

174 71.0 55.9 83.9

175 5.6 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

