

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL031422\
 Data File : VL038592.D
 Acq On : 14 Mar 2022 11:25
 Operator : SY/AP
 Sample : VL0314ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0314ABL01

Quant Time: Mar 15 01:33:46 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	708745	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	2050465	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.05	117	1810169	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.37	95	1302170	9.46	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

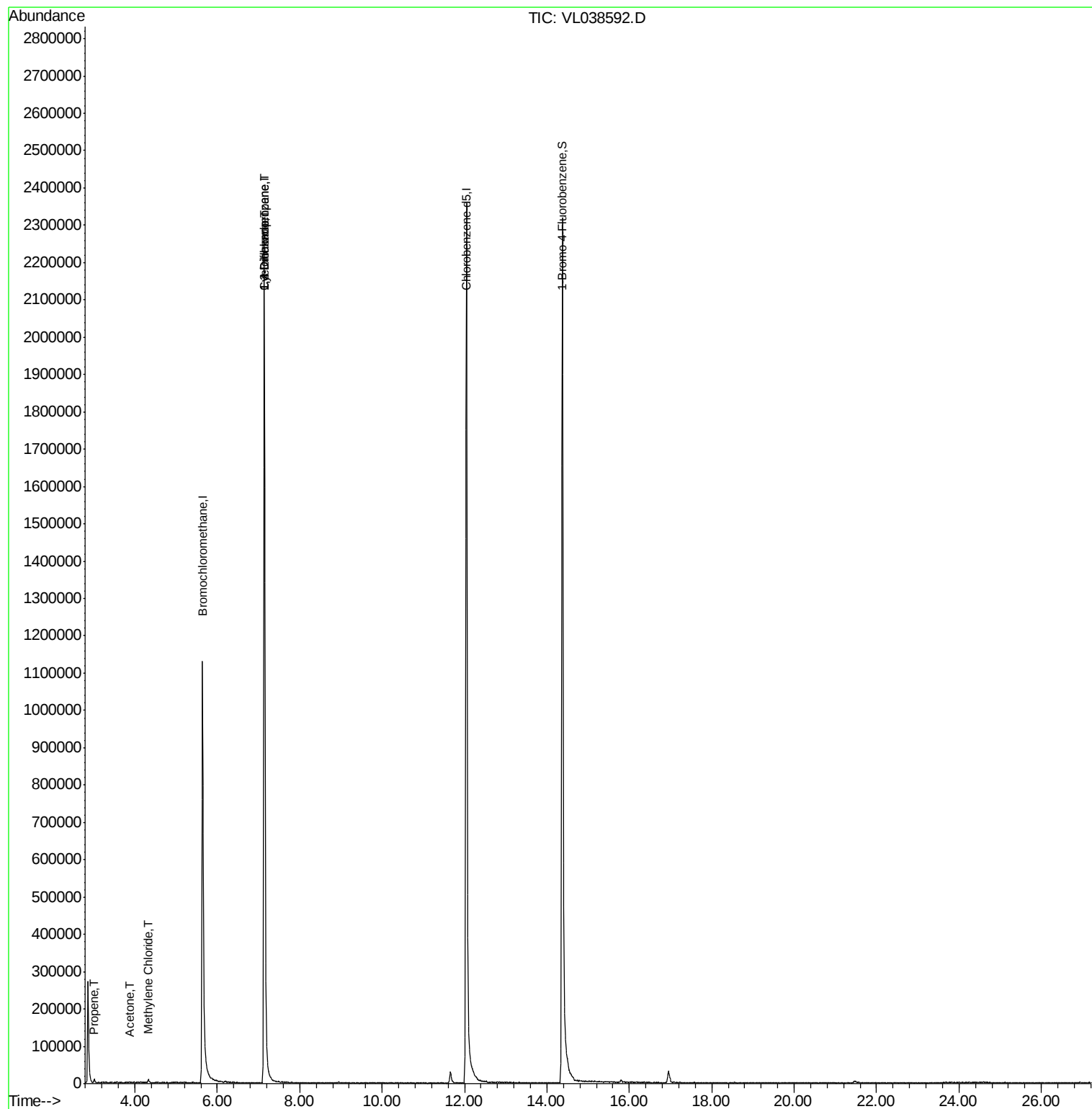
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	2780	0.06	ppbv	99
15) Acetone	3.87	43	2542	0.05	ppbv #	80
20) Methylene Chloride	4.32	84	1144	0.04	ppbv #	48
30) Cyclohexane	7.13	84	3909	0.06	ppbv #	1
39) 1,2-Dichloropropane	7.14	63	484965	6.81	ppbv #	26

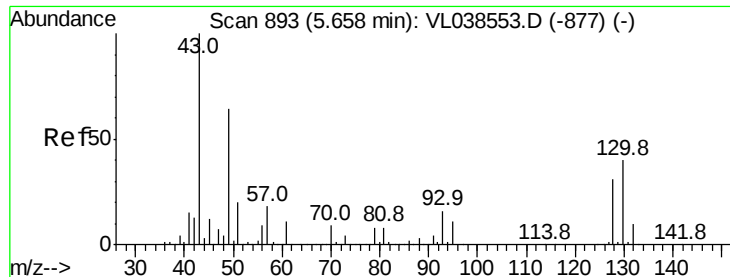
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.64 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Mar 2022 11:25

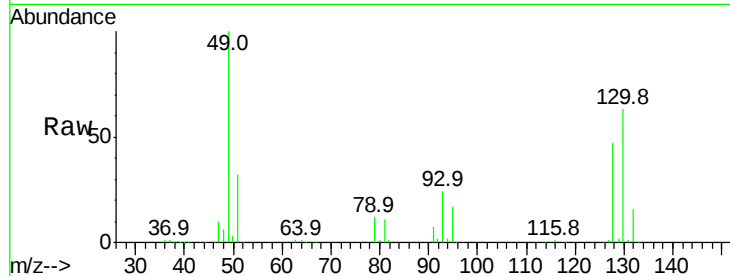
Tgt Ion: 49 Resp: 708745

Ion Ratio Lower Upper

49 100

128 54.7 26.4 79.2

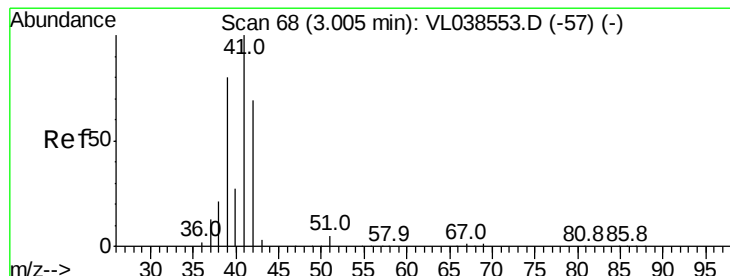
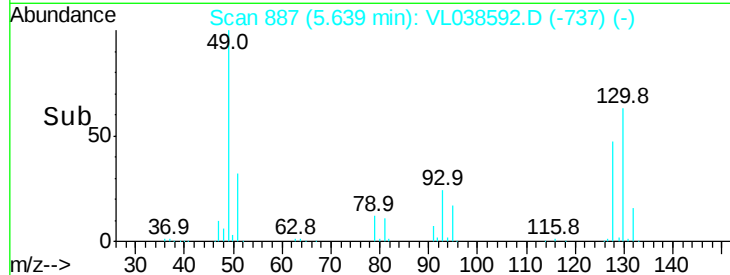
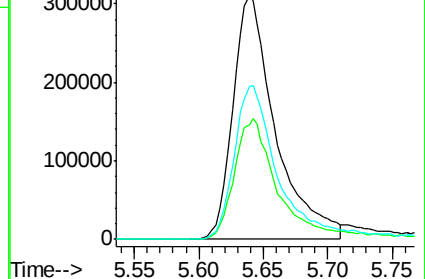
130 69.2 33.0 98.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.06 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL038592.D

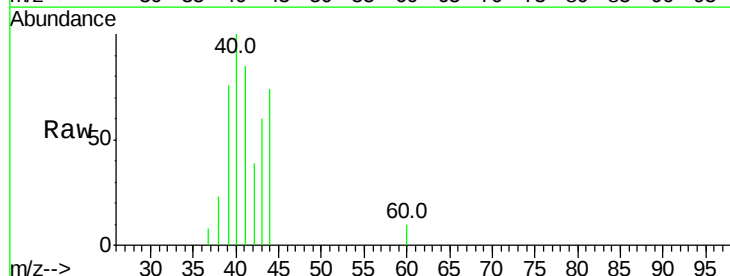
Acq: 14 Mar 2022 11:25

Tgt Ion: 41 Resp: 2780

Ion Ratio Lower Upper

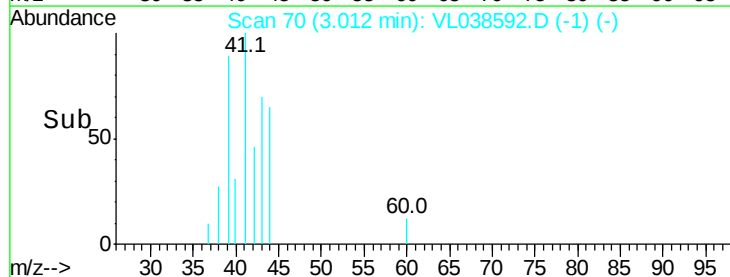
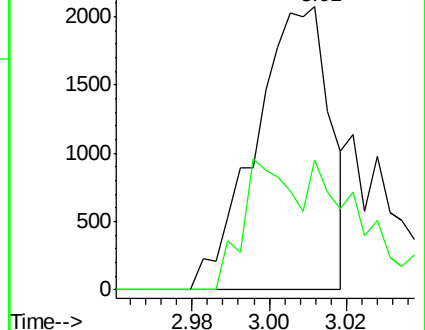
41 100

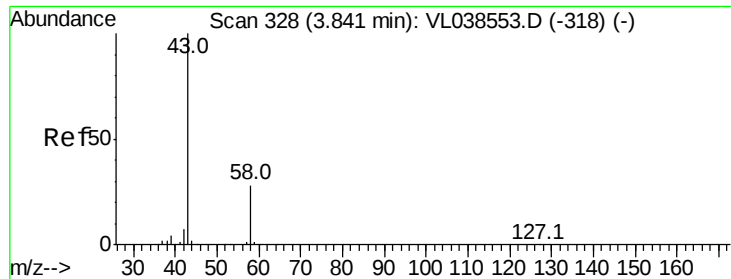
42 68.8 55.7 83.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.05 ppbv

RT: 3.87 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL0314ABL01

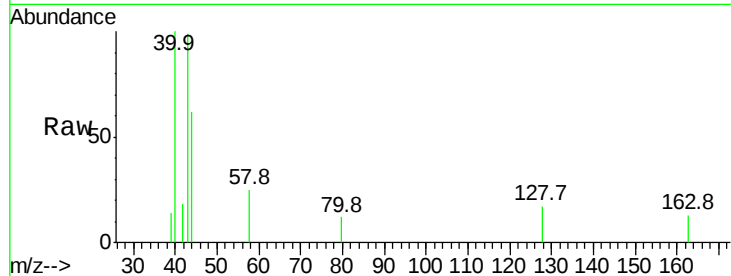
Acq: 14 Mar 2022 11:25

Tgt Ion: 43 Resp: 2542

Ion Ratio Lower Upper

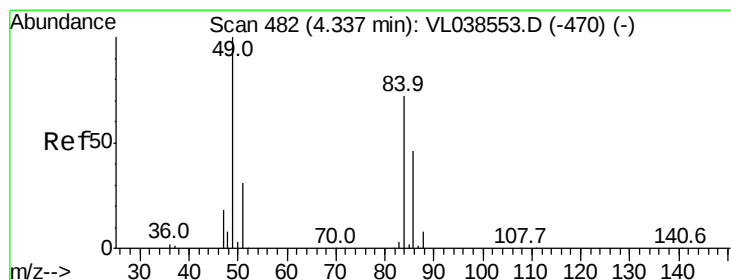
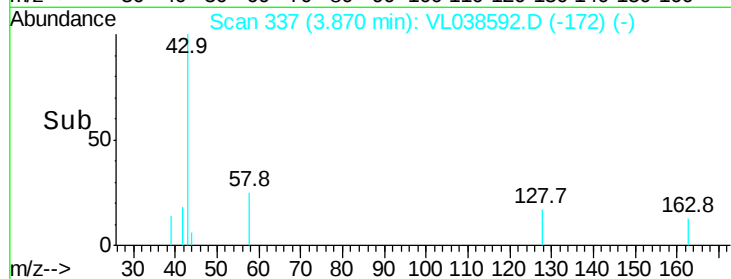
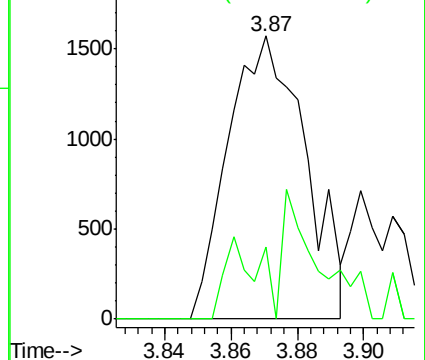
43 100

58 38.9 22.7 34.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.04 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.01 min

Lab File: VL038592.D

Acq: 14 Mar 2022 11:25

Tgt Ion: 84 Resp: 1144

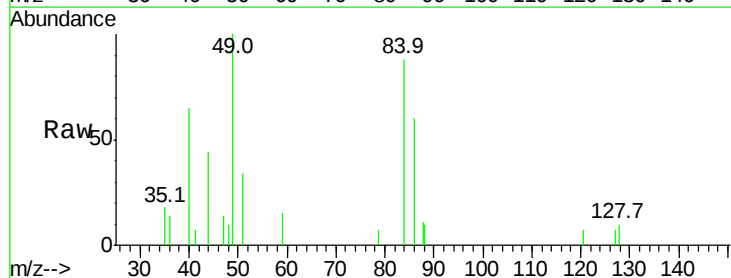
Ion Ratio Lower Upper

84 100

49 39.5 111.1 166.7#

51 24.6 34.0 51.0#

86 63.0 50.9 76.3

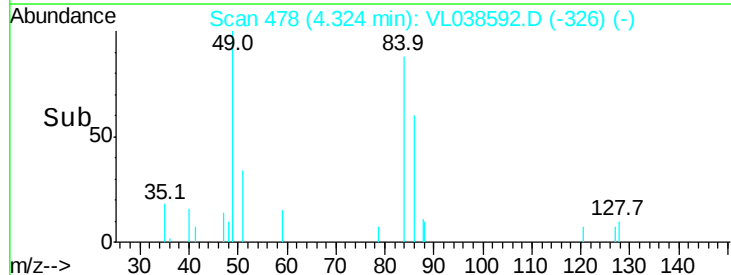
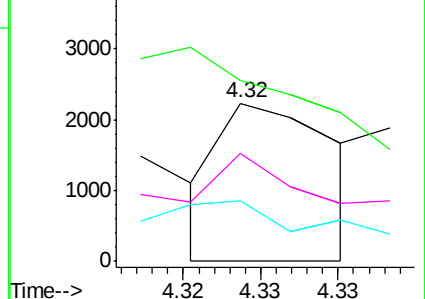


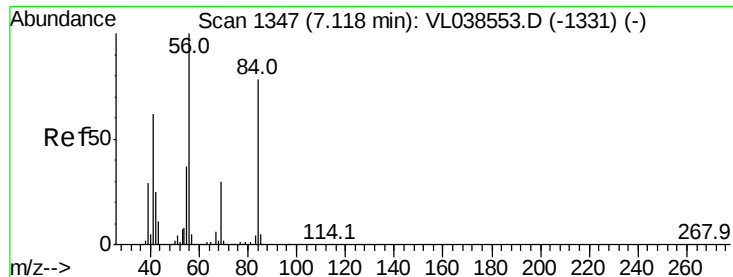
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

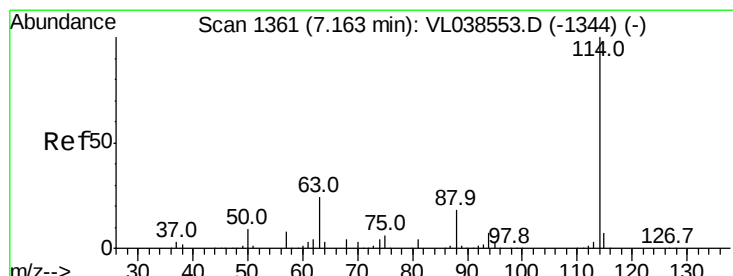
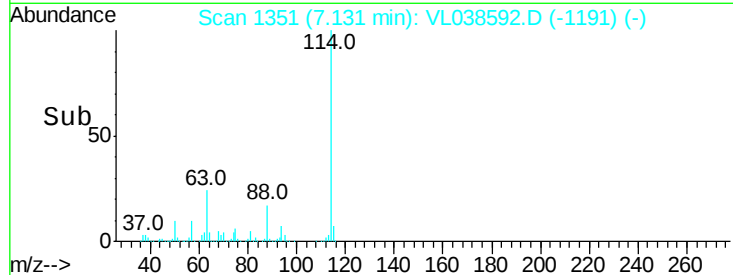
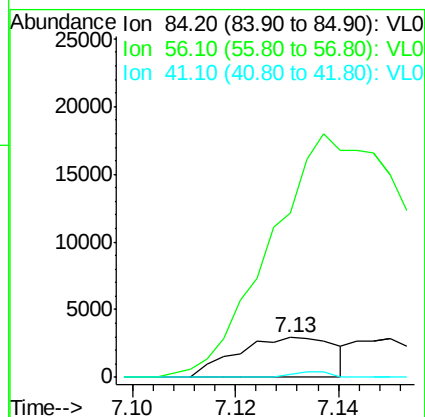
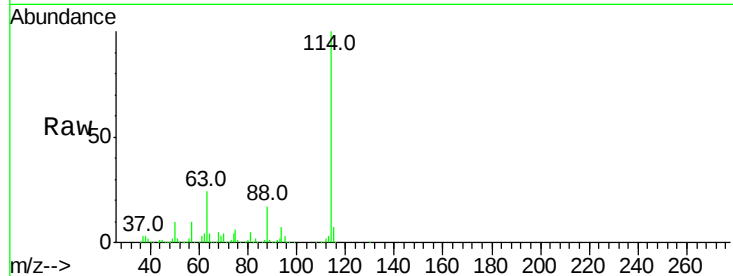
Ion 86.00 (85.70 to 86.70): VL0





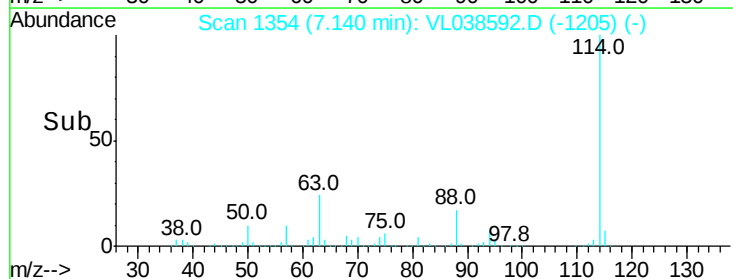
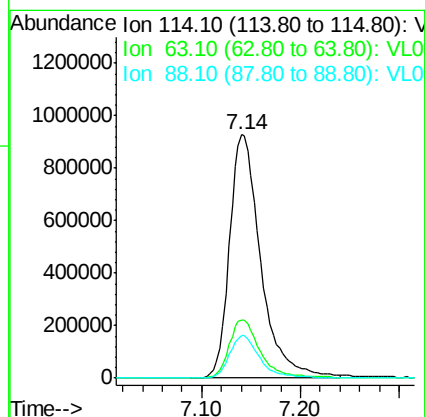
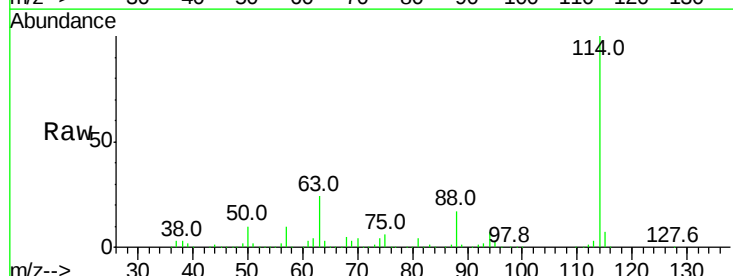
#30
Cyclohexane
Concen: 0.06 ppbv
RT: 7.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Mar 2022 11:25

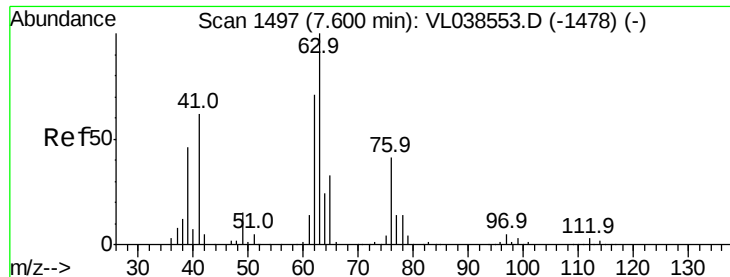
Tgt Ion: 84 Resp: 3909
Ion Ratio Lower Upper
84 100
56 1052.5 111.4 167.0#
41 4.7 65.5 98.3#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.02 min
Lab File: VL038592.D
Acq: 14 Mar 2022 11:25

Tgt Ion: 114 Resp: 2050465
Ion Ratio Lower Upper
114 100
63 24.3 19.6 29.4
88 17.3 13.9 20.9





#39

1,2-Dichloropropane

Concen: 6.81 ppbv

RT: 7.14 Instrument: MSVOA_1

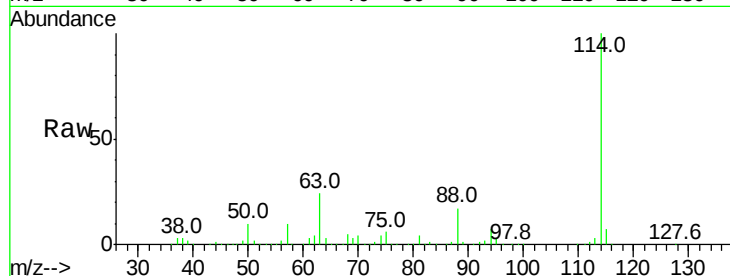
Delta R.T.

Lab File: ClientSampleId:

Acq: 14 Mar 2022 11:25

Tgt Ion: 63 Resp: 484965

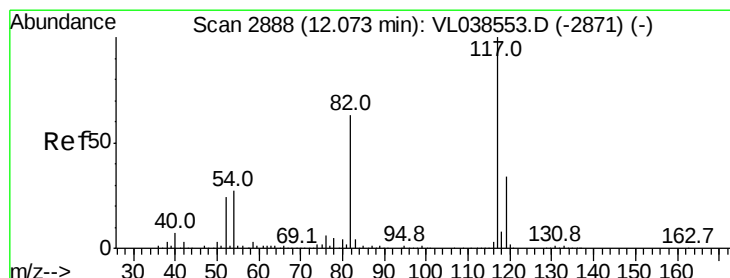
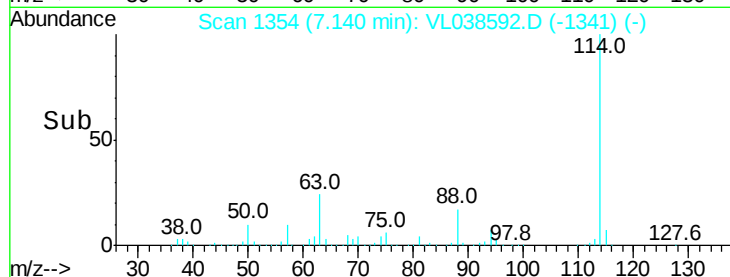
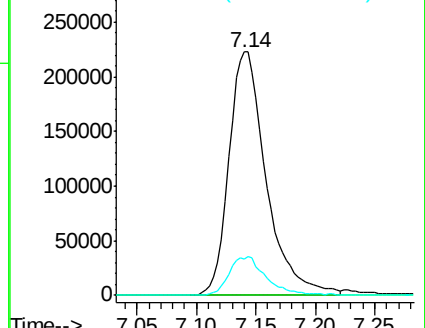
Ion	Ratio	Lower	Upper
63	100		
41	0.0	49.8	74.6#
62	15.1	56.7	85.1#



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: 10.00 ppbv

RT: 12.05 min Scan# 2880

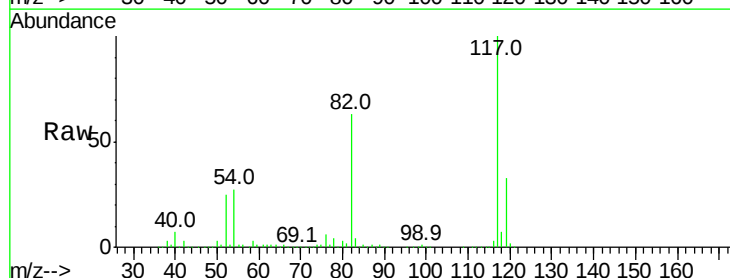
Delta R.T. -0.03 min

Lab File: VL038592.D

Acq: 14 Mar 2022 11:25

Tgt Ion: 117 Resp: 1810169

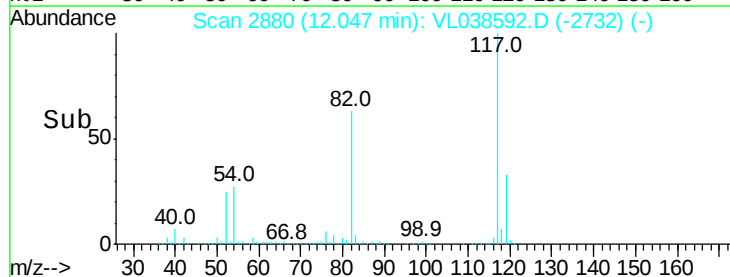
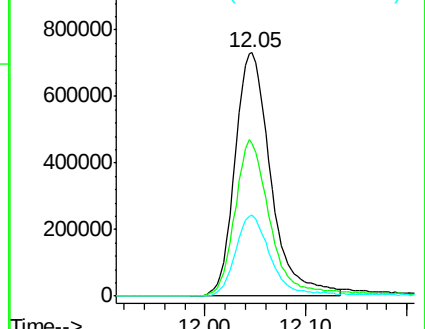
Ion	Ratio	Lower	Upper
117	100		
82	65.5	52.5	78.7
119	34.5	46.4	69.6#

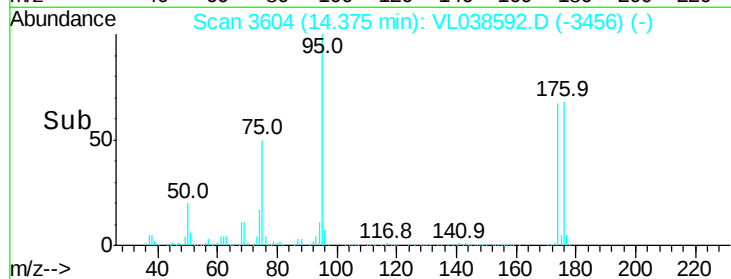
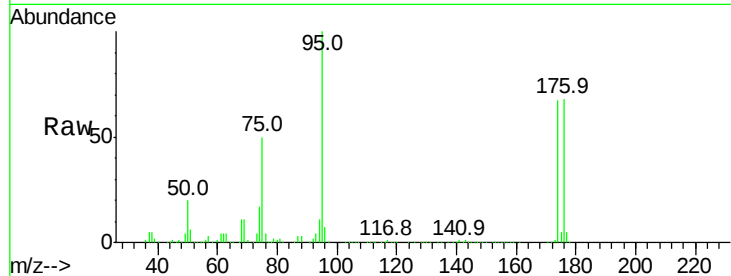
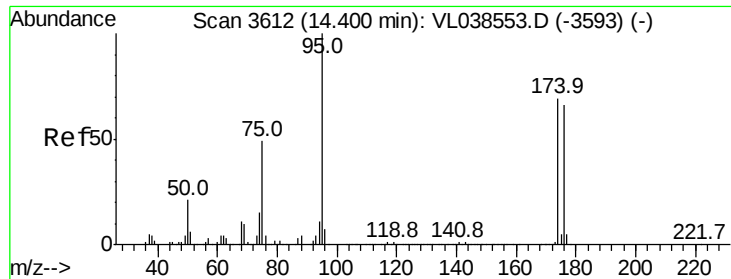


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.46 ppbv

RT: 14.37 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL0314ABL01

Acq: 14 Mar 2022 11:25

Tgt Ion: 95 Resp: 1302170

Ion Ratio Lower Upper

95 100

174 74.4 56.2 84.4

175 5.4 4.2 6.2

