

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062222\
 Data File : VL039333.D
 Acq On : 22 Jun 2022 23:26
 Operator : SY/AP
 Sample : OC062222 CAN 10148
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC062222 CAN 10148

Quant Time: Jun 23 07:29:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 01 01:22:18 2022
 QLast Update : Wed Jun 01 01:22:18 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1045605	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3057990	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2713911	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2102408	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

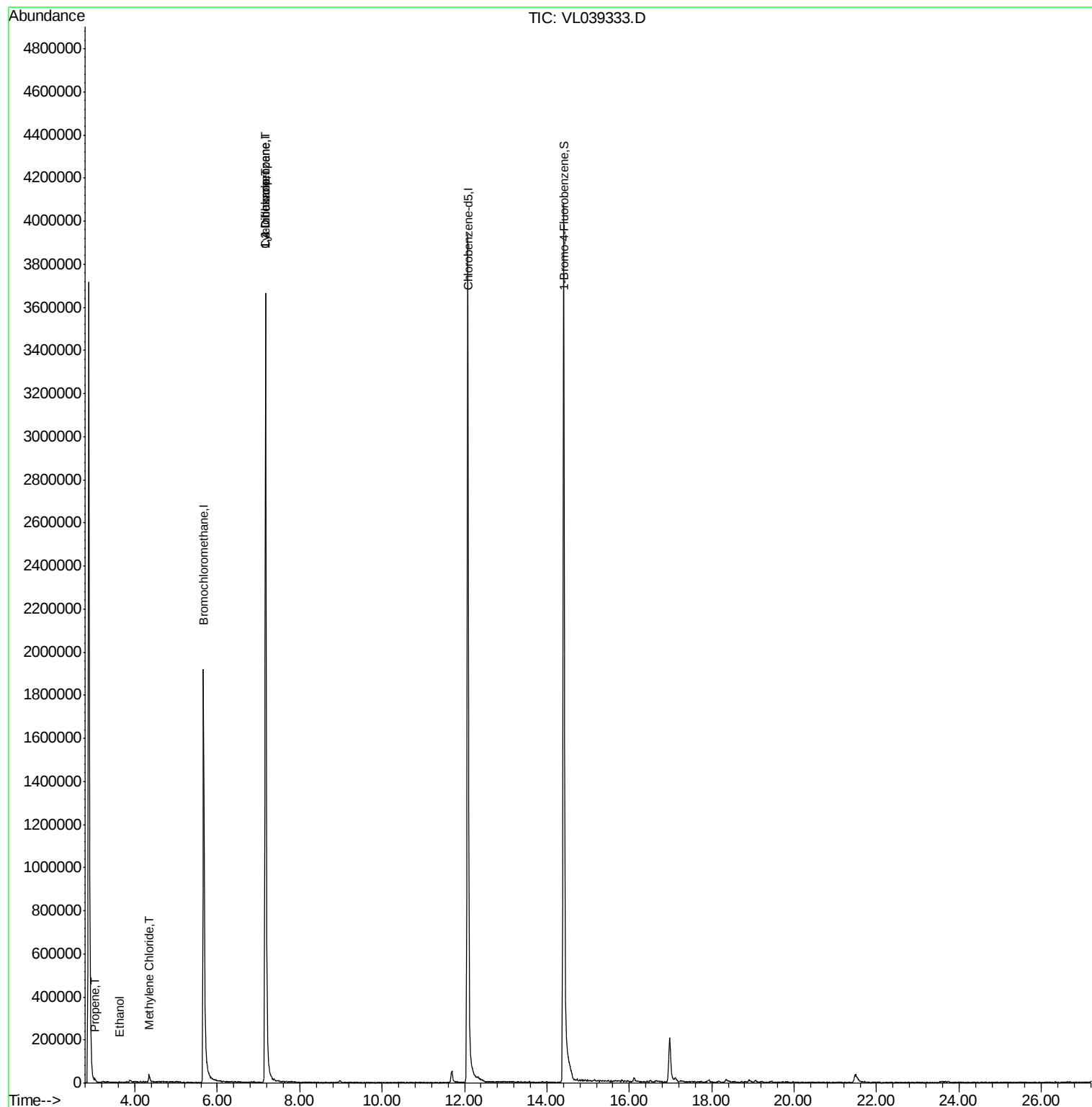
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	2650	0.046	ppbv #	1
13) Ethanol	3.62	45	110	0.035	ppbv #	100
20) Methylene Chloride	4.34	84	11484	0.250	ppbv #	89
30) Cyclohexane	7.16	84	4322	0.048	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	752468	7.620	ppbv #	24

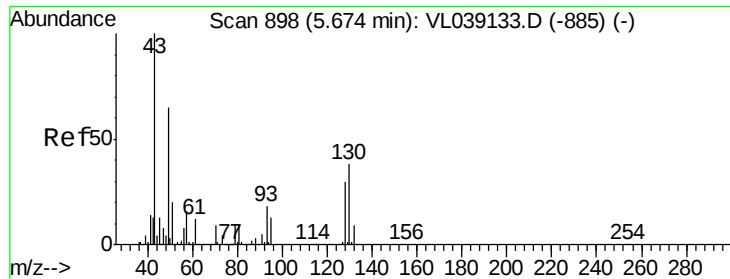
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: QC062222 CAN 10148

Acq: 22 Jun 2022 23:20

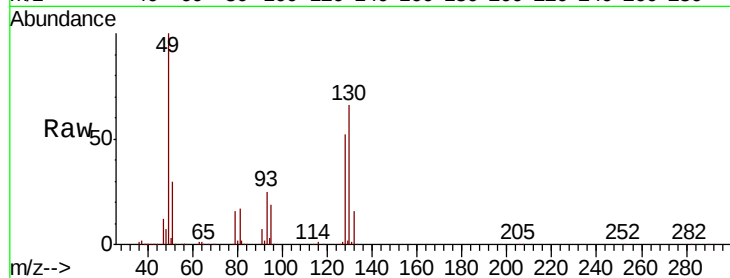
Tot Ion: 49 Resp: 1045605

Ion Ratio Lower Upper

49 100

128 56.6 24.7 74.1

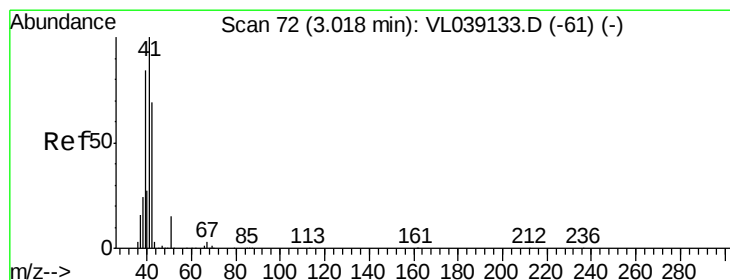
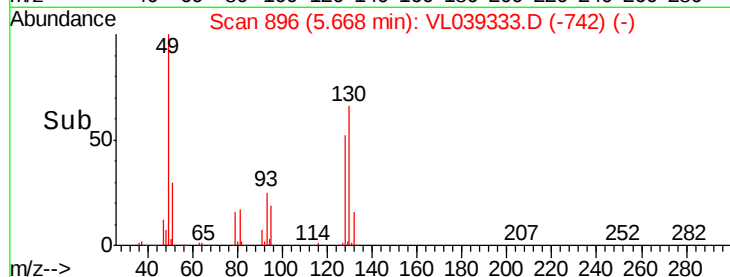
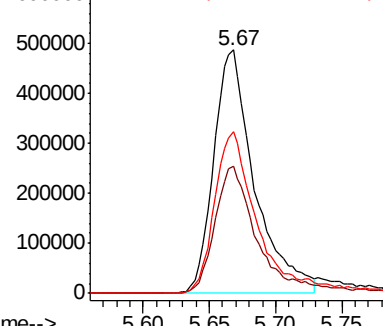
130 72.3 31.4 94.0



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: 0.046 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL039333.D

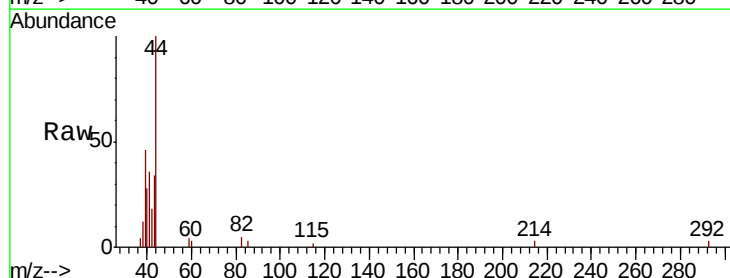
Acq: 22 Jun 2022 23:26

Tgt Ion: 41 Resp: 2650

Ion Ratio Lower Upper

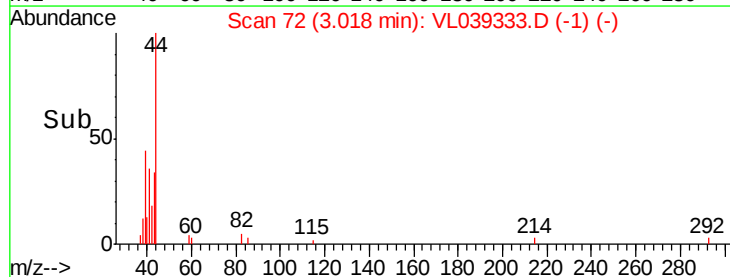
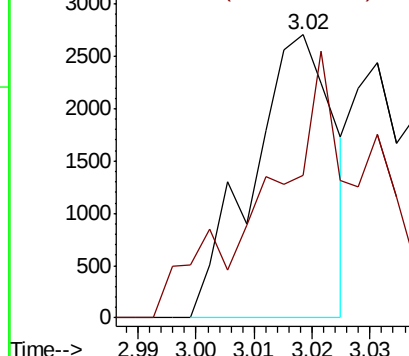
41 100

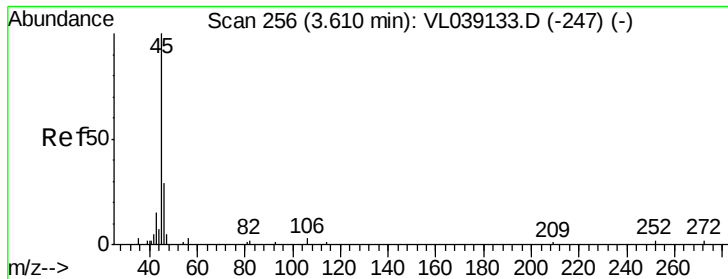
42 157.5 55.4 83.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

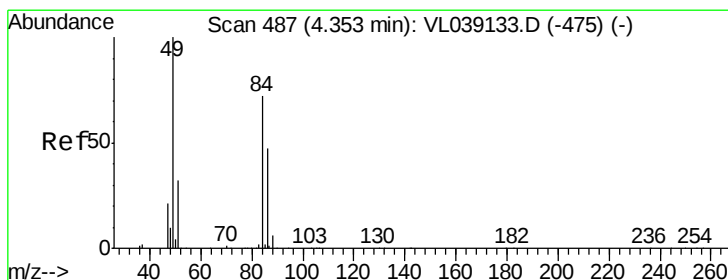
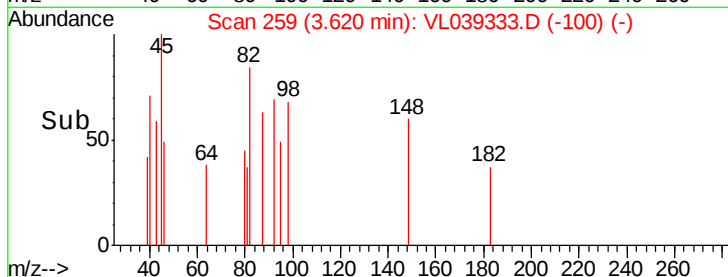
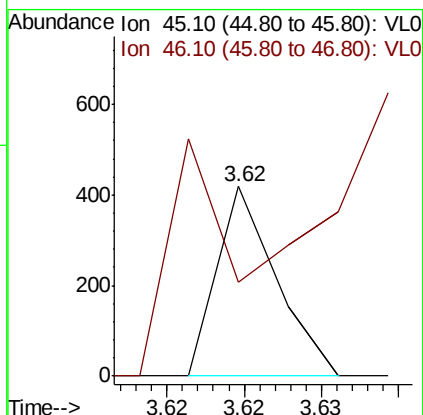
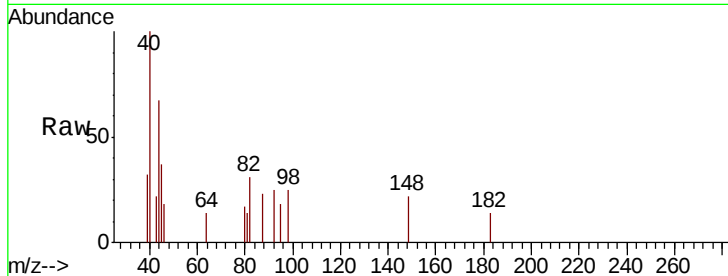
Ion 42.10 (41.80 to 42.80): VL0





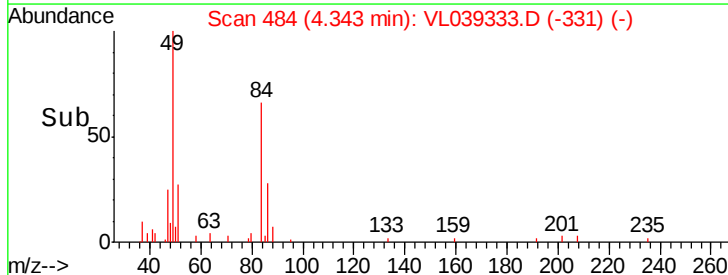
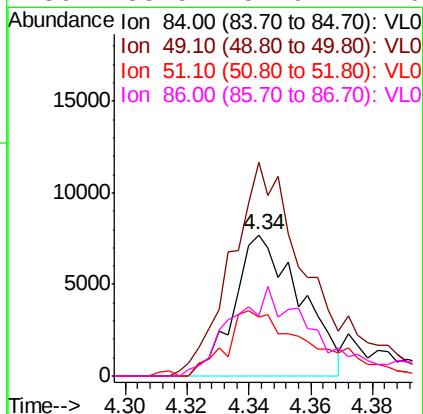
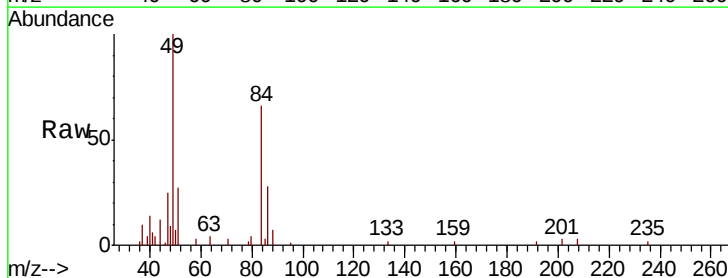
#13
Ethanol
Concen: 0.035 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
OC062222 CAN 10148
Acq: 22 Jun 2022 23:20

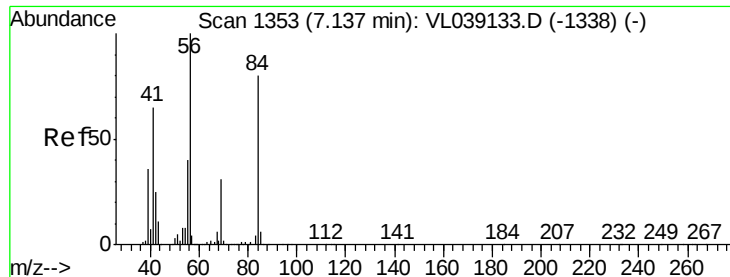
Tot Ion: 45 Resp: 110
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#20
Methylene Chloride
Concen: 0.250 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.01 min
Lab File: VL039333.D
Acq: 22 Jun 2022 23:26

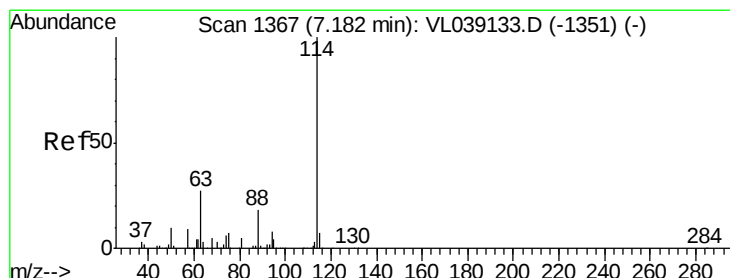
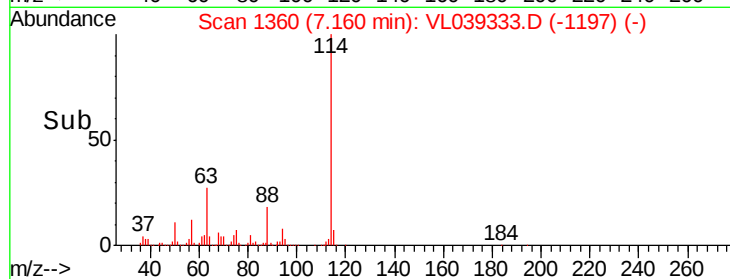
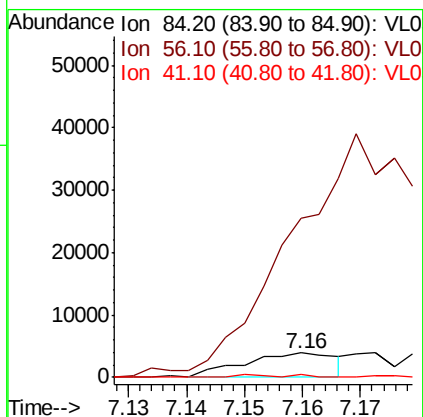
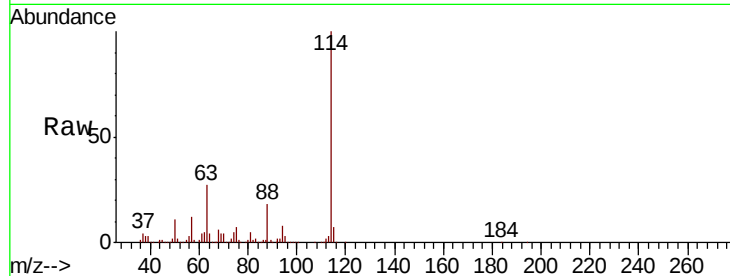
Tgt Ion: 84 Resp: 11484
Ion Ratio Lower Upper
84 100
49 142.4 111.1 166.7
51 41.4 35.3 52.9
86 38.5 51.9 77.9#





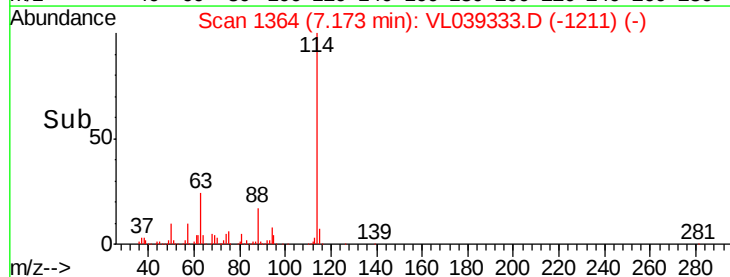
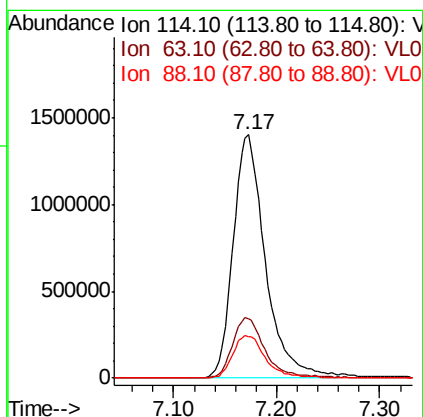
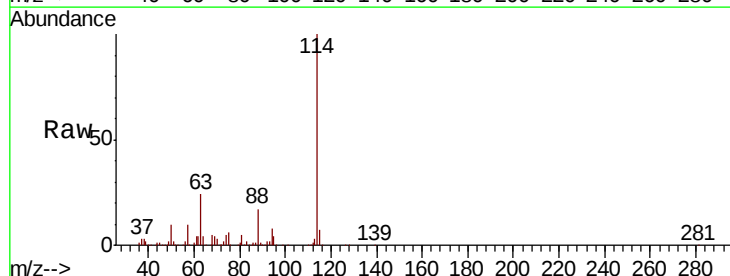
#30
Cvclohexane
Concen: 0.048 ppbv
RT: 7.16 min
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
OC062222 CAN 10148
Acq: 22 Jun 2022 23:20

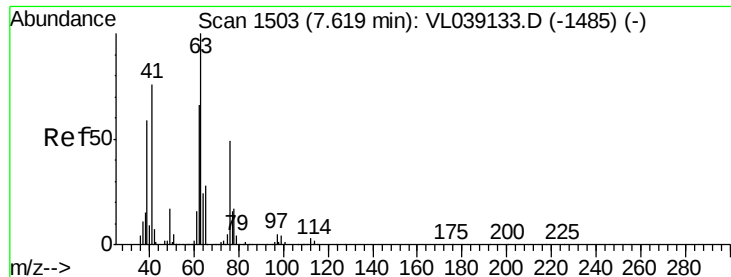
Tot Ion: 84 Resp: 4322
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 8.1 68.9 103.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL039333.D
Acq: 22 Jun 2022 23:26

Tgt Ion: 114 Resp: 3057990
Ion Ratio Lower Upper
114 100
63 25.5 21.7 32.5
88 18.2 14.8 22.2





#39

1,2-Dichloropropane

Concen: 7.620 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Jun 2022 23:20 QC062222 CAN 10148

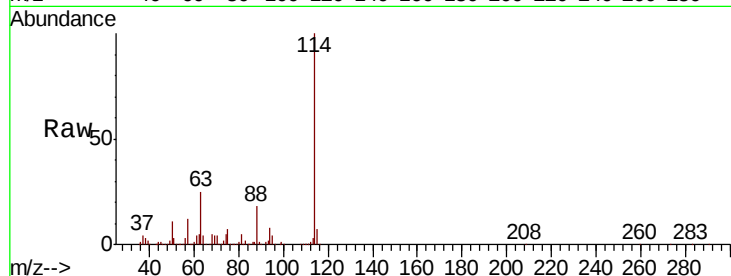
Tot Ion: 63 Resp: 752468

Ion Ratio Lower Upper

63 100

41 0.0 60.8 91.2#

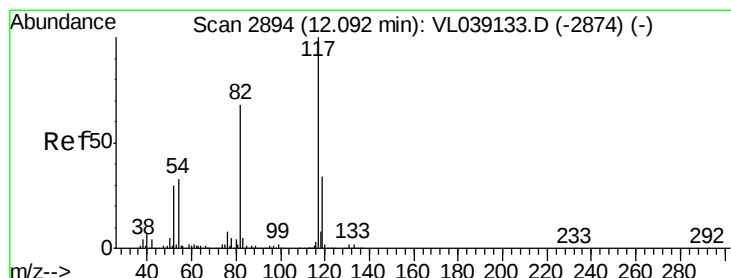
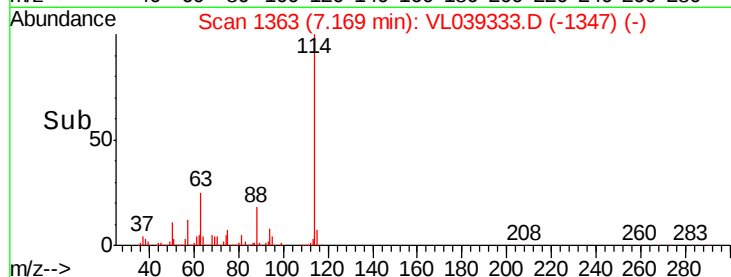
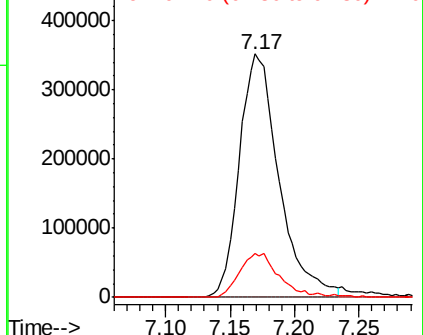
62 17.9 52.9 79.3#



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: 12.08 min Scan# 2889

Delta R.T. -0.02 min

Lab File: VL039333.D

Acq: 22 Jun 2022 23:26

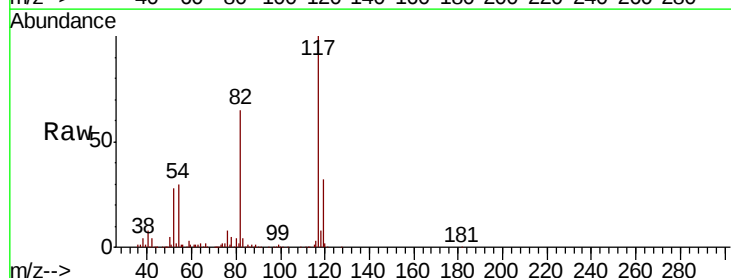
Tgt Ion: 117 Resp: 2713911

Ion Ratio Lower Upper

117 100

82 65.4 55.1 82.7

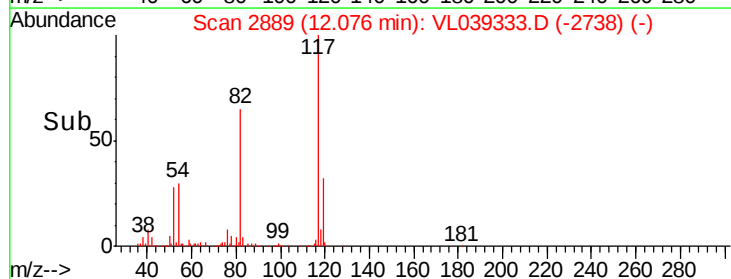
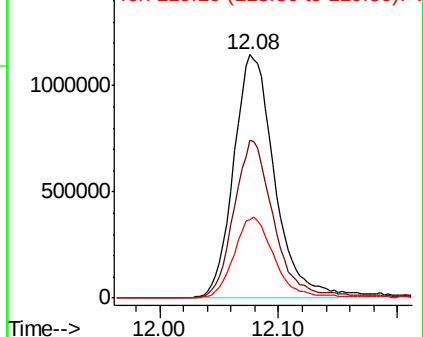
119 33.4 24.7 37.1

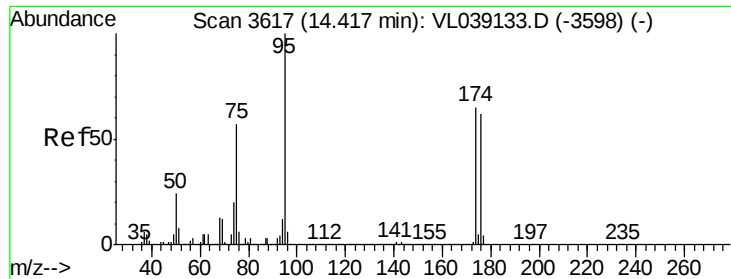


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.370 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Jun 2022 23:20

Tot Ion: 95 Resp: 2102408

Ion Ratio Lower Upper

95 100

174 69.5 53.8 80.8

175 4.8 4.1 6.1

