

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062922\
 Data File : VL039406.D
 Acq On : 29 Jun 2022 21:41
 Operator : SY/AP
 Sample : QC062122 CAN 10158
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC062122 CAN 10158

Quant Time: Jun 30 05:43:10 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jun 30 05:40:11 2022
 QLast Update : Thu Jun 30 05:40:11 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1153605	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3275721	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2882197	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2170636	10.15	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

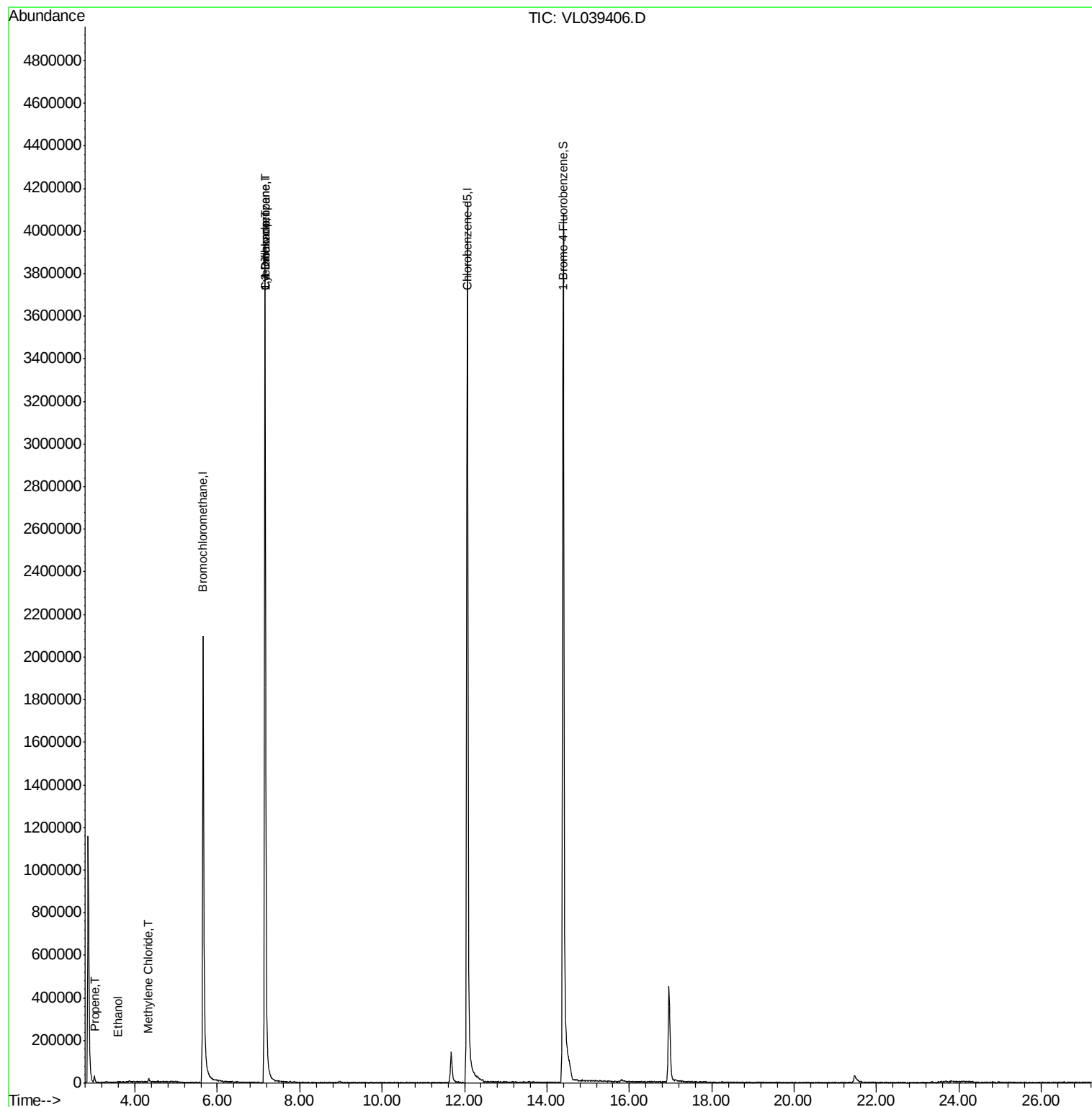
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.02	41	4089	0.06	ppbv #	45
13) Ethanol	3.60	45	85	0.02	ppbv	77
20) Methylene Chloride	4.33	84	5439	0.10	ppbv #	80
30) Cyclohexane	7.15	84	6489	0.06	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	814658	8.60	ppbv #	26

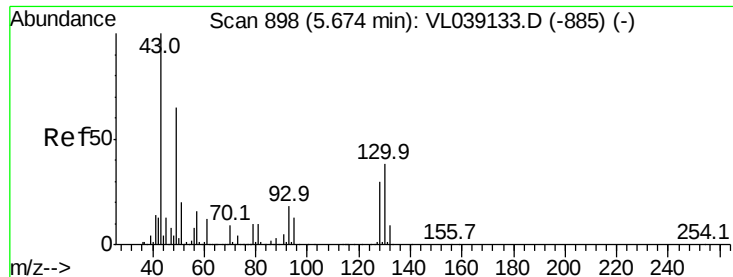
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Jun 2022 21:41 OC062122 CAN 10158

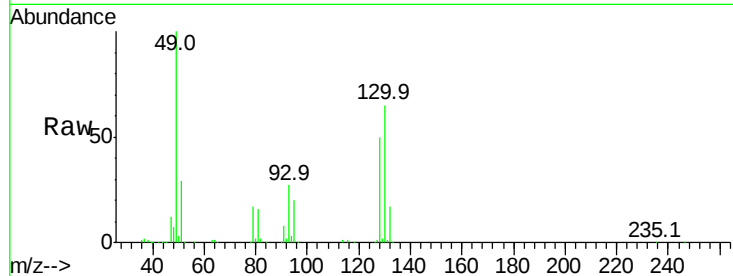
Tgt Ion: 49 Resp: 1153605

Ion Ratio Lower Upper

49 100

128 54.7 26.7 80.0

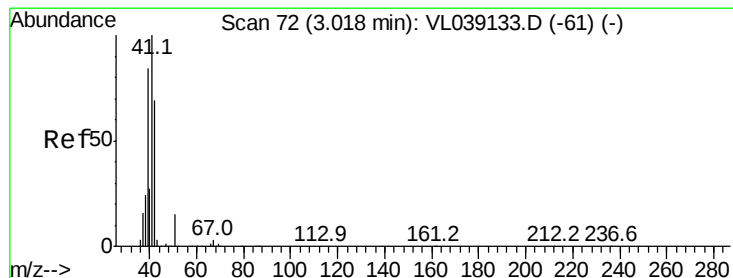
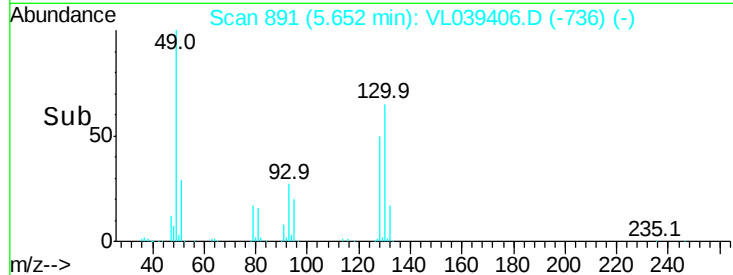
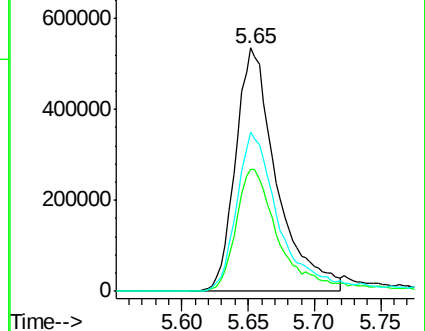
130 71.0 34.3 102.8



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: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL039406.D

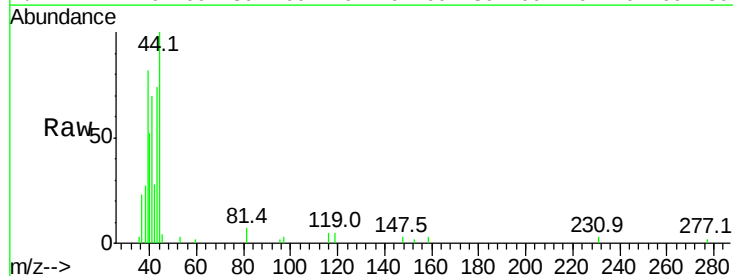
Acq: 29 Jun 2022 21:41

Tgt Ion: 41 Resp: 4089

Ion Ratio Lower Upper

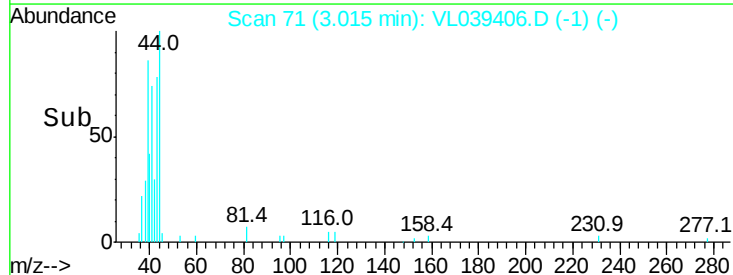
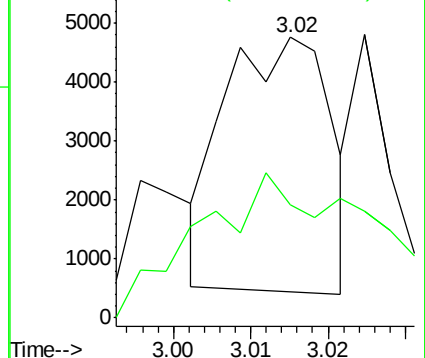
41 100

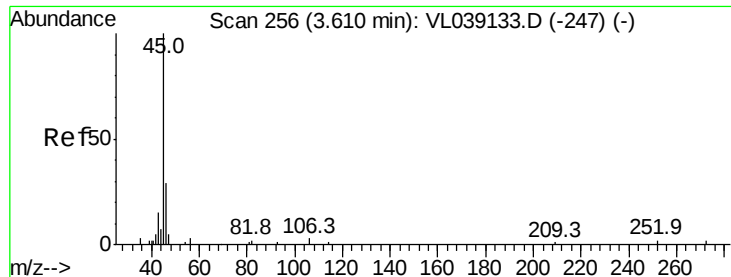
42 113.6 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

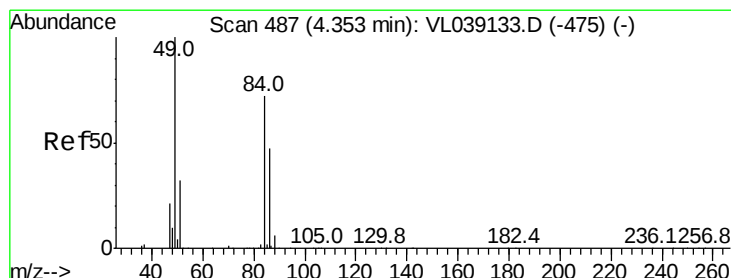
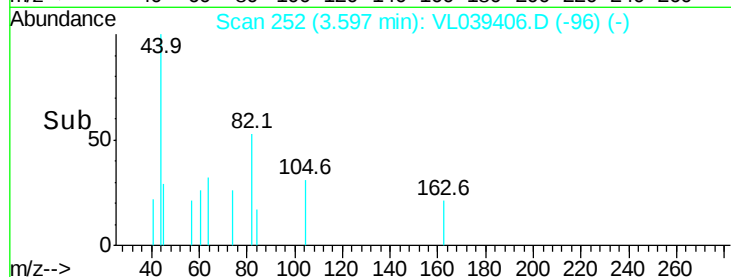
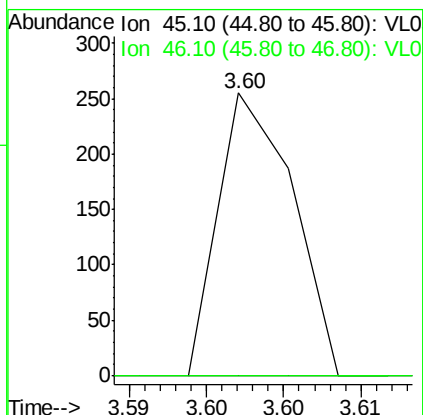
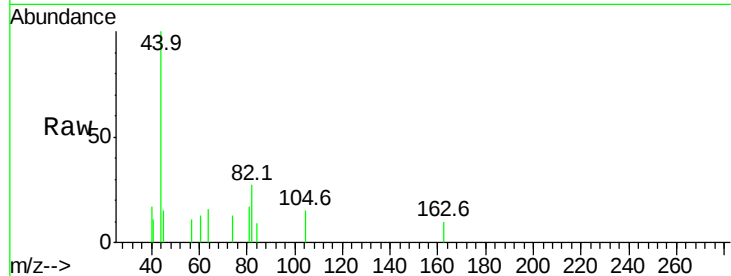
Ion 42.10 (41.80 to 42.80): VL0





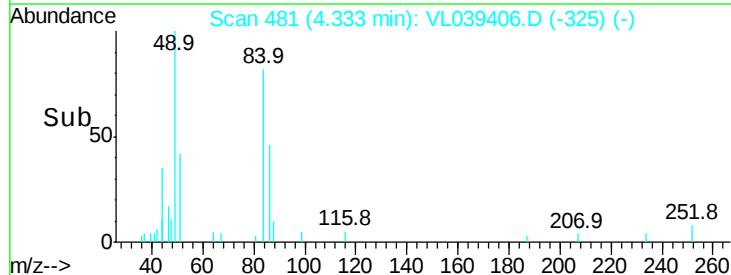
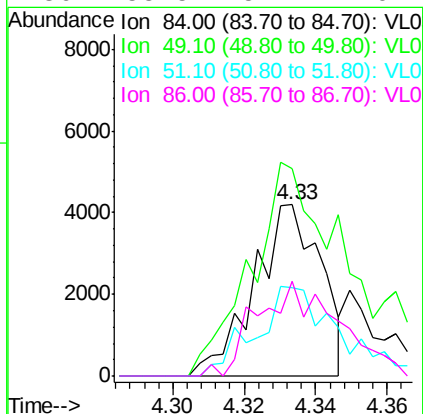
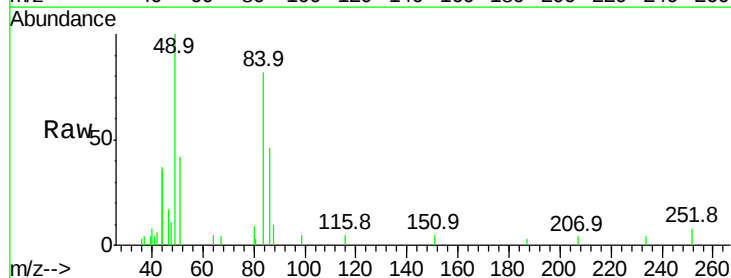
#13
Ethanol
Concen: 0.02 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
OC062122 CAN 10158
Acq: 29 Jun 2022 21:41

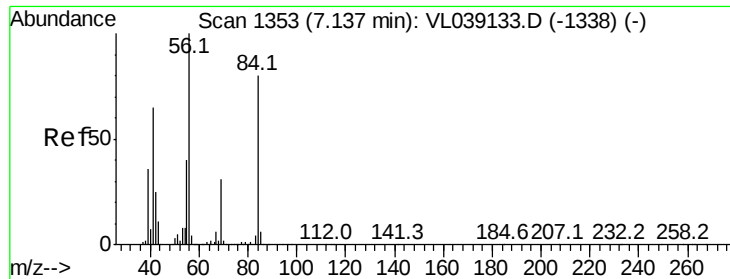
Tgt Ion: 45 Resp: 85
Ion Ratio Lower Upper
45 100
46 40.0 22.8 91.2



#20
Methylene Chloride
Concen: 0.10 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL039406.D
Acq: 29 Jun 2022 21:41

Tgt Ion: 84 Resp: 5439
Ion Ratio Lower Upper
84 100
49 121.2 123.1 184.7#
51 51.5 34.4 51.6
86 55.5 51.1 76.7





#30

Cyclohexane

Concen: 0.06 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Jun 2022 21:41 OC062122 CAN 10158

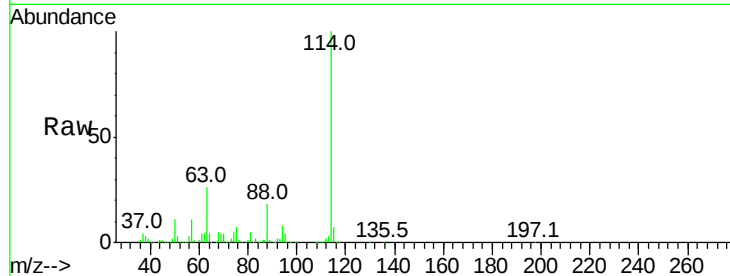
Tgt Ion: 84 Resp: 6489

Ion Ratio Lower Upper

84 100

56 1301.3 107.7 161.5#

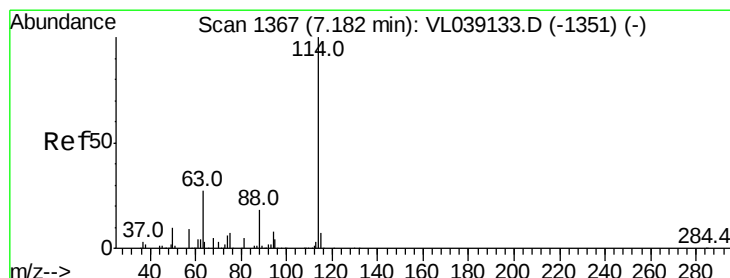
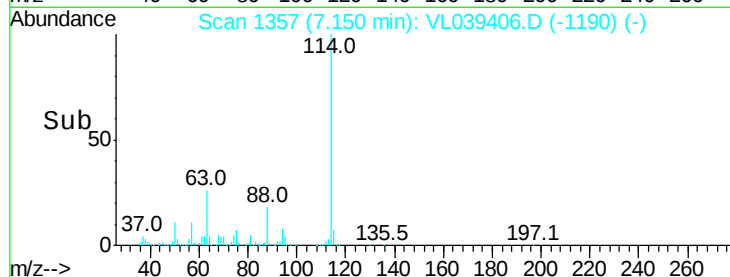
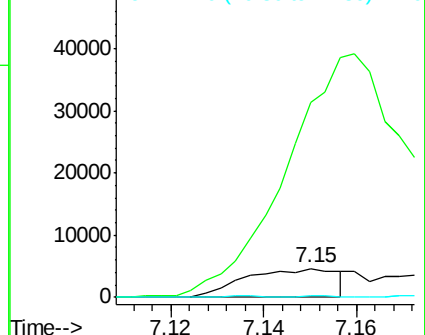
41 4.3 67.7 101.5#



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: 10.00 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

Lab File: VL039406.D

Acq: 29 Jun 2022 21:41

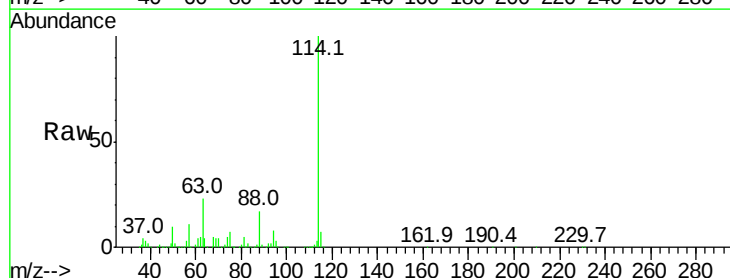
Tgt Ion: 114 Resp: 3275721

Ion Ratio Lower Upper

114 100

63 25.7 20.2 30.4

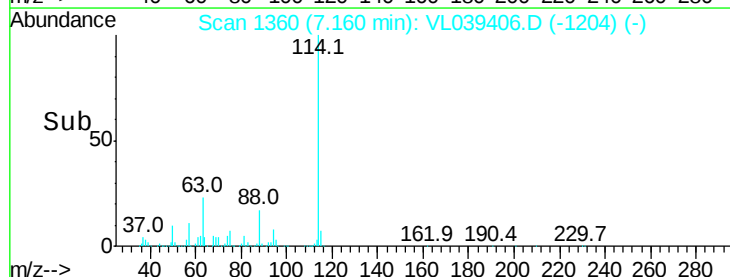
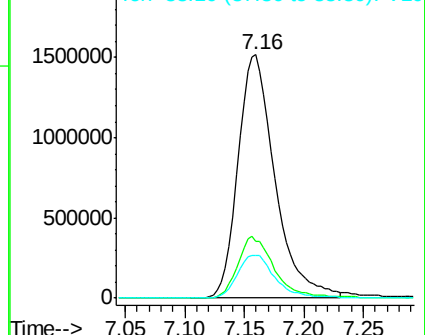
88 18.2 14.5 21.7

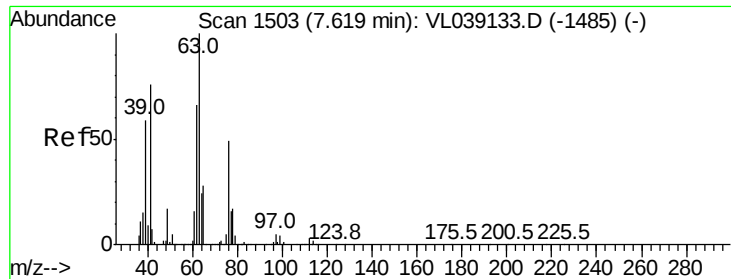


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

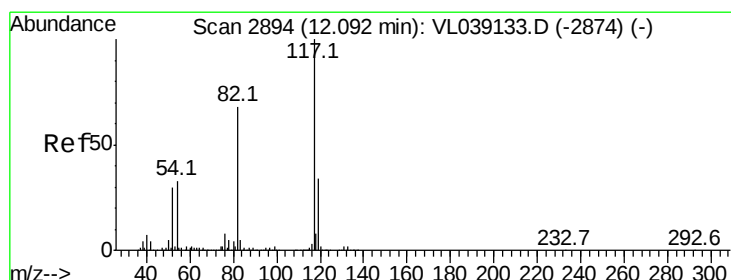
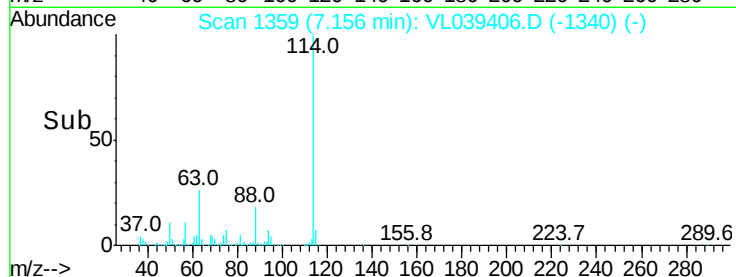
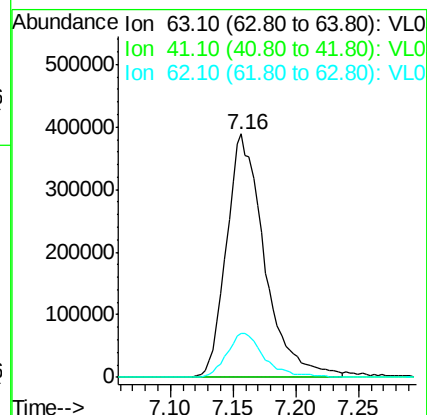
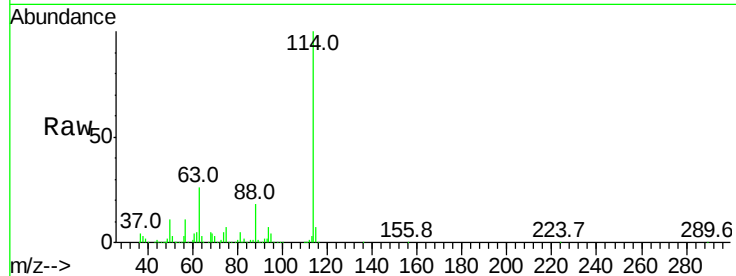
Ion 88.10 (87.80 to 88.80): VL0





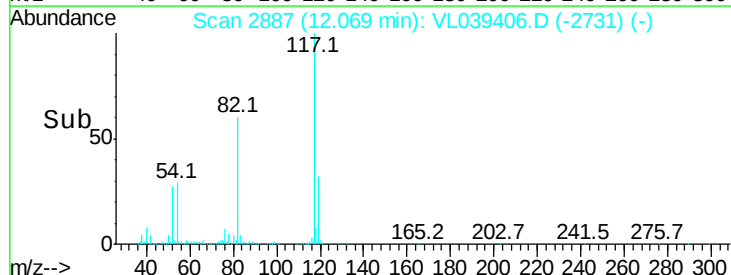
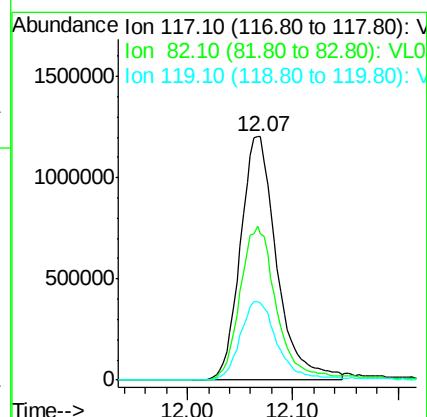
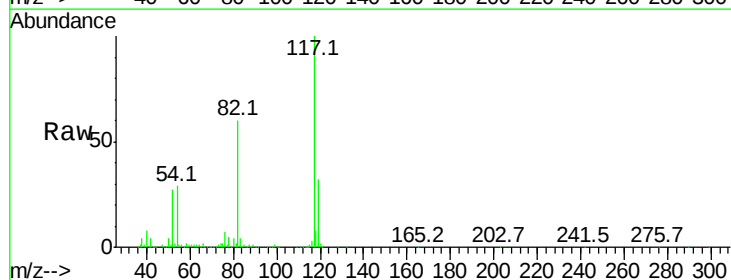
#39
 1,2-Dichloropropane
 Concen: 8.60 ppbv
 RT: 7.16
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 OC062122 CAN 10158
 Acq: 29 Jun 2022 21:41

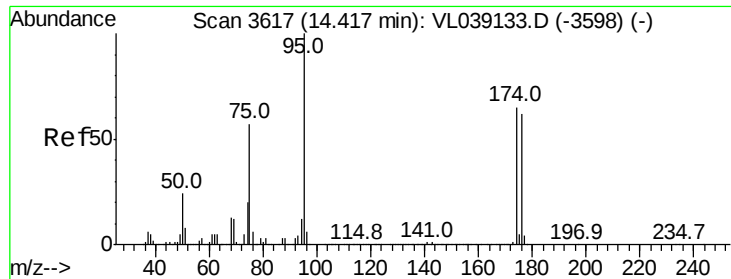
Tgt Ion: 63 Resp: 814658
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.6 89.4#
 62 18.1 51.4 77.0#



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T.: 0.00 min
 Lab File: VL039406.D
 Acq: 29 Jun 2022 21:41

Tgt Ion: 117 Resp: 2882197
 Ion Ratio Lower Upper
 117 100
 82 66.2 50.8 76.2
 119 34.4 24.1 36.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.15 ppbv

RT: 14.40

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

QC062122 CAN 10158

Acq: 29 Jun 2022 21:41

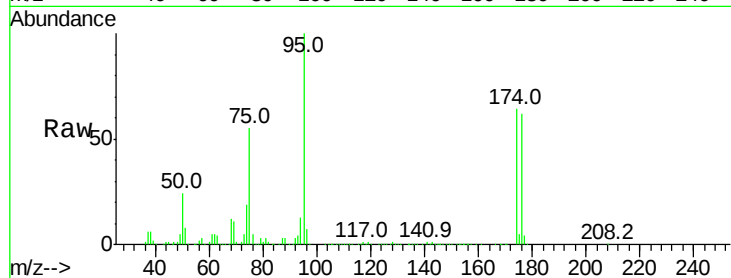
Tgt Ion: 95 Resp: 2170636

Ion Ratio Lower Upper

95 100

174 69.8 55.9 83.9

175 5.2 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

