

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062222\
 Data File : VL039331.D
 Acq On : 22 Jun 2022 22:10
 Operator : SY/AP
 Sample : OC062122 CAN 10158
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC062122 CAN 10158

Quant Time: Jun 23 07:29:10 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	5.66	49	1089816	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3093693	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	2673123	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2070492	9.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.70%

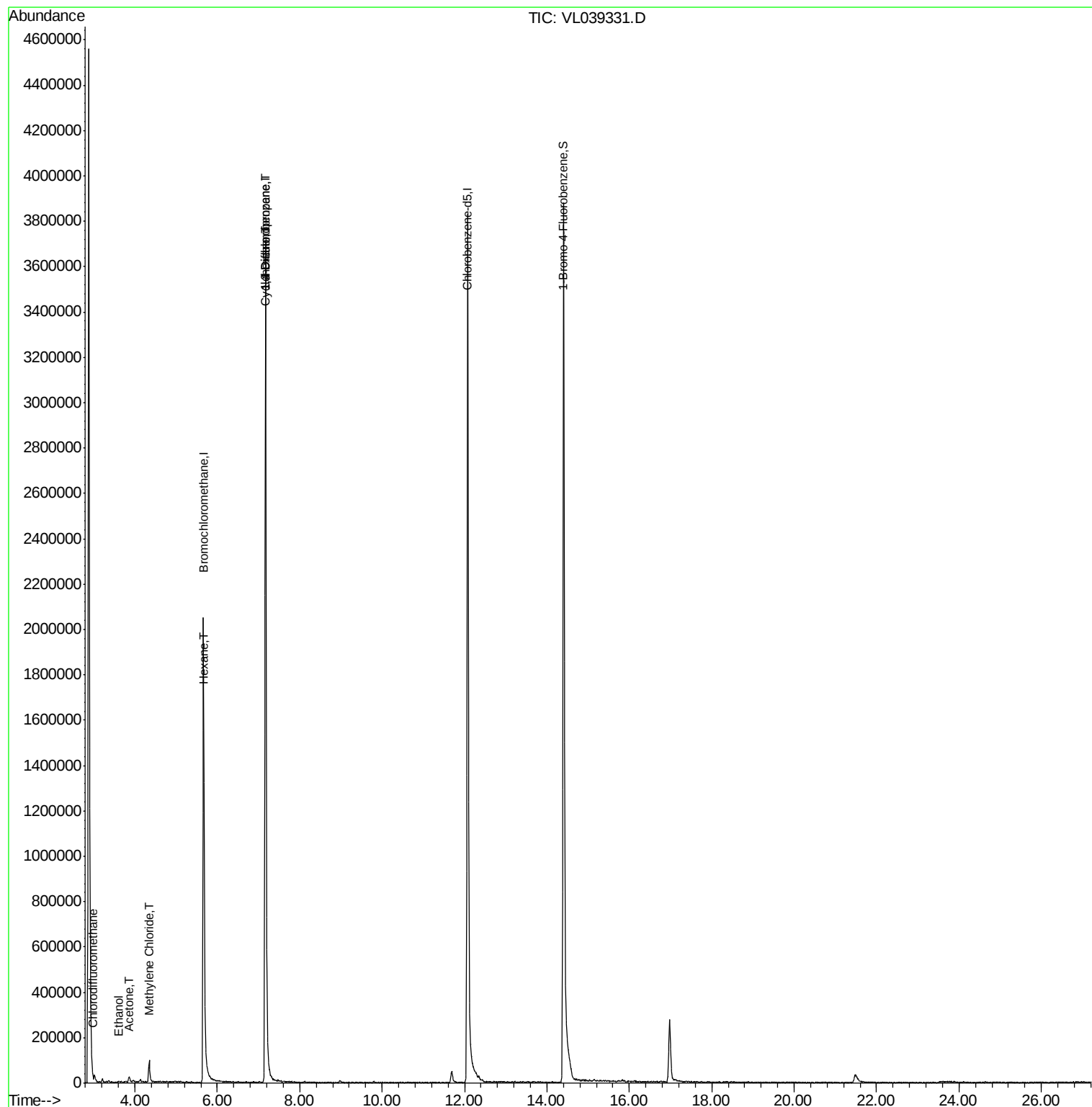
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	5371	0.039	ppbv #	83
13) Ethanol	3.60	45	680	0.206	ppbv #	100
15) Acetone	3.85	43	29755	0.262	ppbv	99
20) Methylene Chloride	4.34	84	39054	0.816	ppbv	90
26) Hexane	5.68	57	16599	0.148	ppbv #	34
30) Cyclohexane	7.15	84	3573	0.038	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	757279	7.580	ppbv #	24

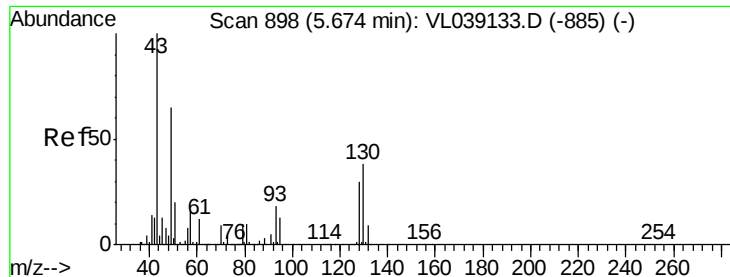
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 22 Jun 2022 22:10

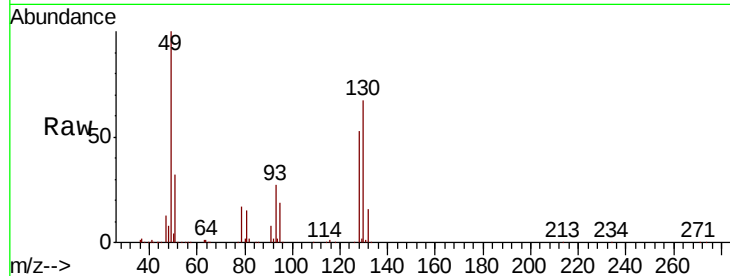
Tot Ion: 49 Resp: 1089816

Ion Ratio Lower Upper

49 100

128 55.0 24.7 74.1

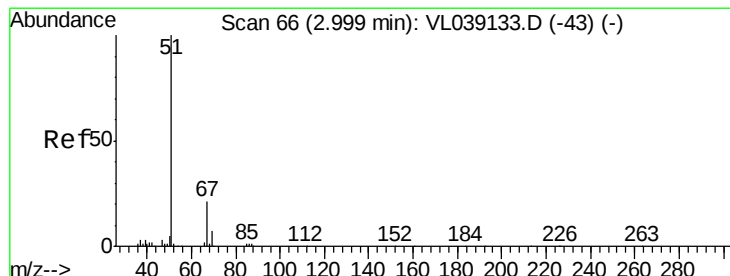
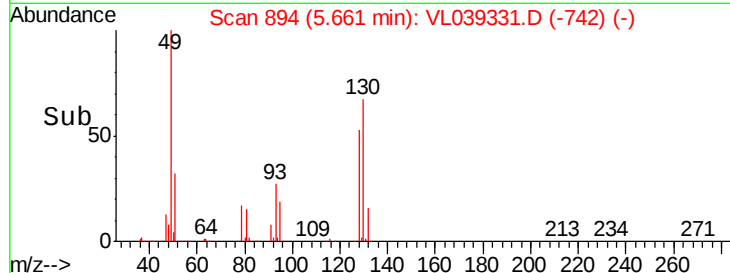
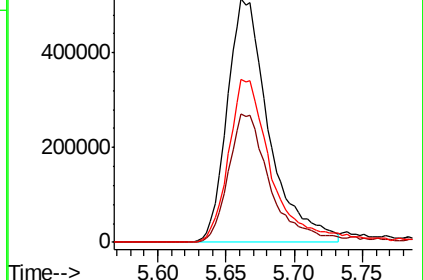
130 70.9 31.4 94.0



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



#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.02 min

Lab File: VL039331.D

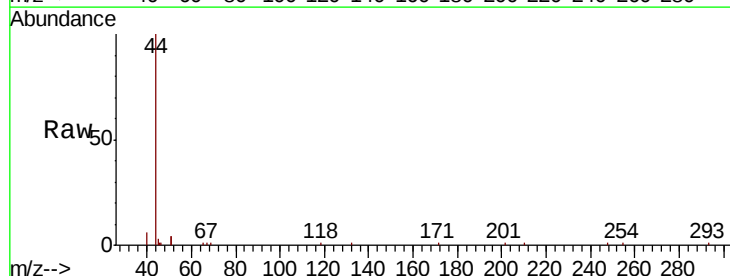
Acq: 22 Jun 2022 22:10

Tgt Ion: 51 Resp: 5371

Ion Ratio Lower Upper

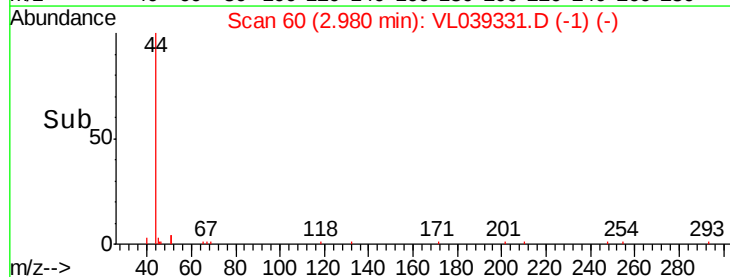
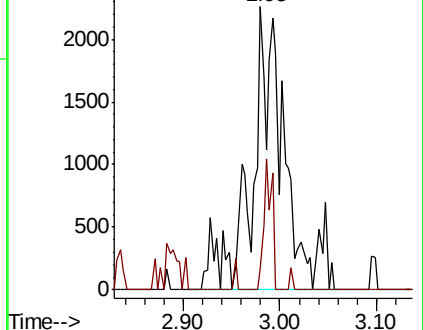
51 100

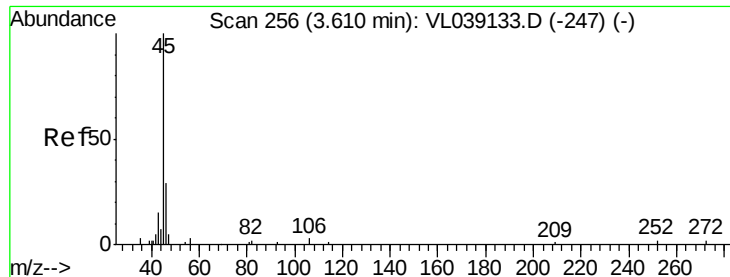
67 12.4 16.2 24.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 0.206 ppbv

RT: 3.60 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

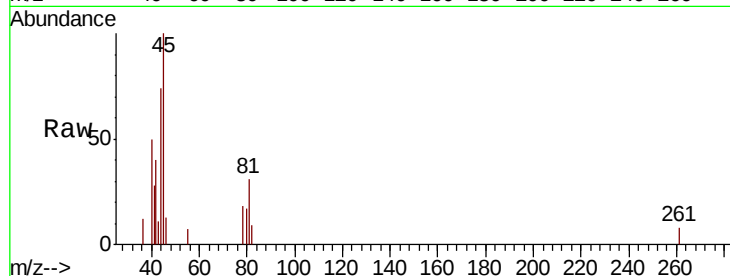
Acq: 22 Jun 2022 22:10 OC062122 CAN 10158

Tot Ion: 45 Resp: 680

Ion Ratio Lower Upper

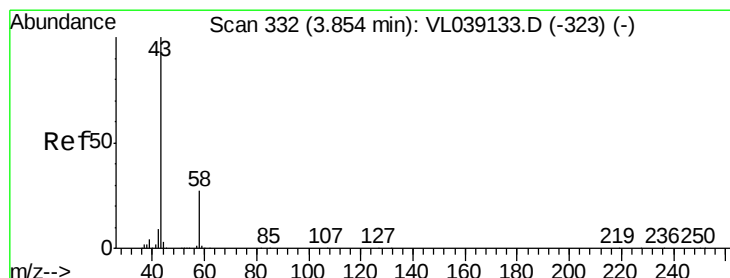
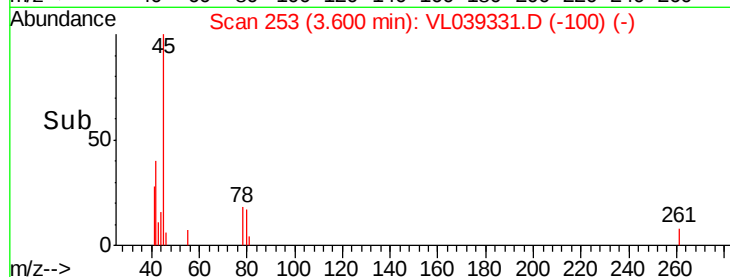
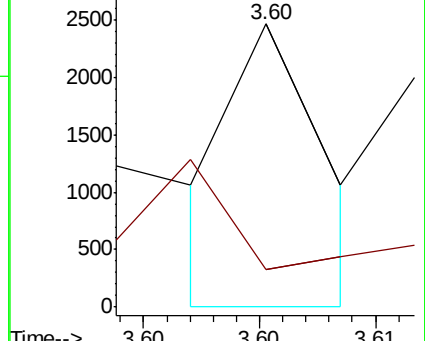
45 100

46 289.3 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.262 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL039331.D

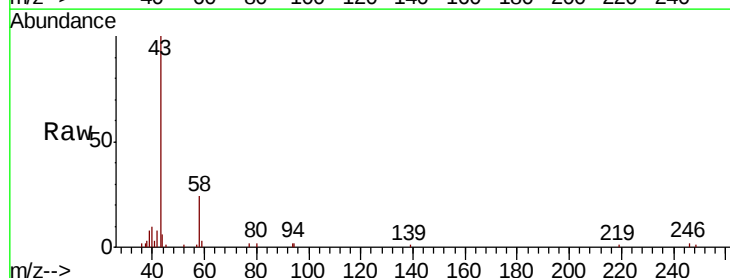
Acq: 22 Jun 2022 22:10

Tgt Ion: 43 Resp: 29755

Ion Ratio Lower Upper

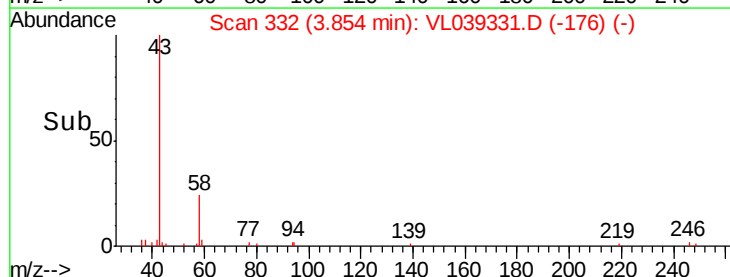
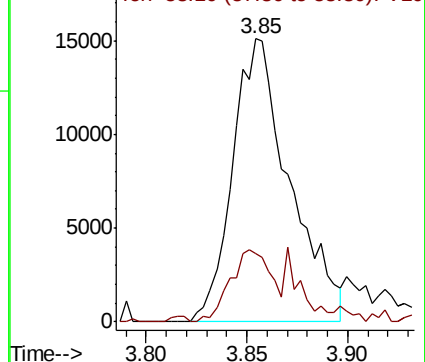
43 100

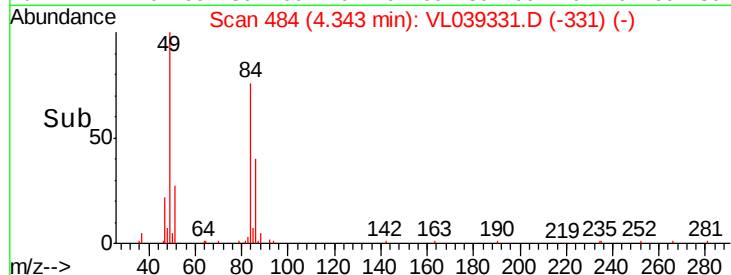
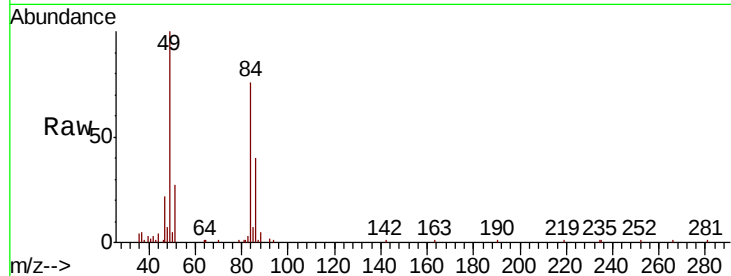
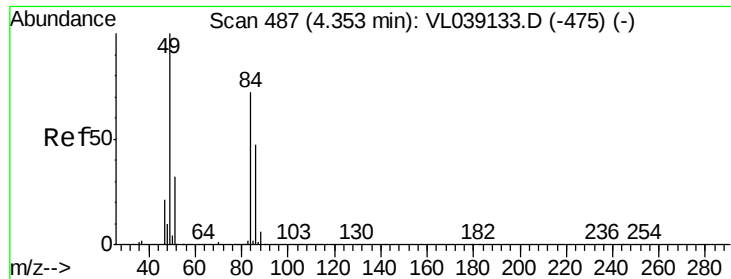
58 28.8 22.5 33.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

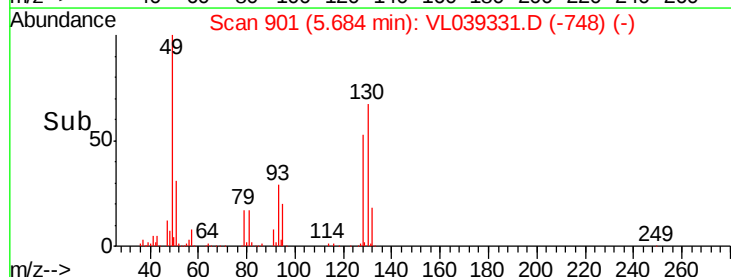
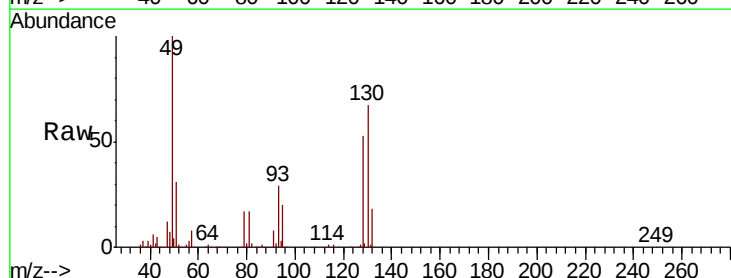
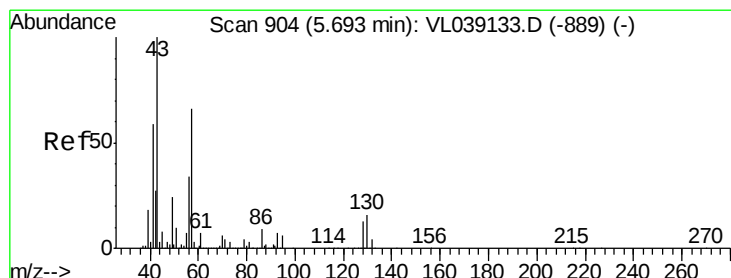
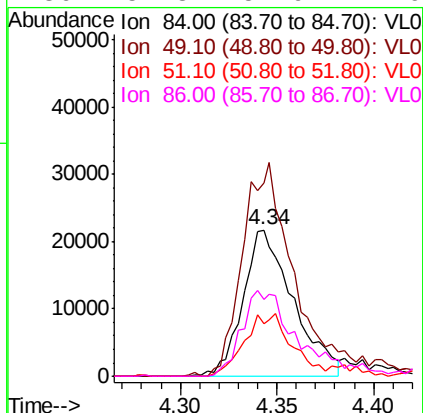
Ion 58.10 (57.80 to 58.80): VL0





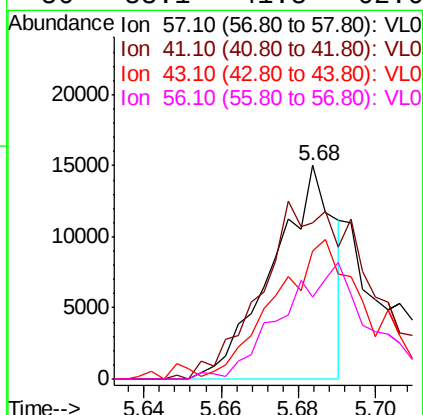
#20
Methvlene Chloride
Concen: 0.816 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 22 Jun 2022 22:10

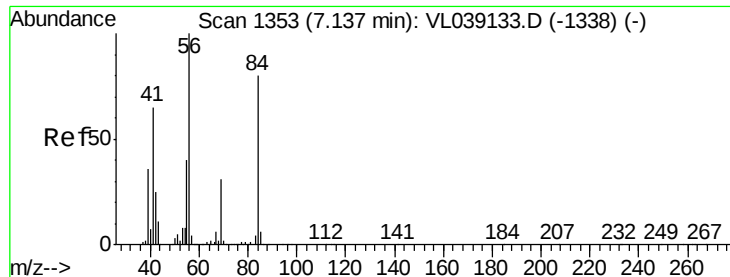
Tot Ion:	84	Resp:	39054
Ion	Ratio	Lower	Upper
84	100		
49	131.1	111.1	166.7
51	36.2	35.3	52.9
86	52.8	51.9	77.9



#26
Hexane
Concen: 0.148 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL039331.D
Acq: 22 Jun 2022 22:10

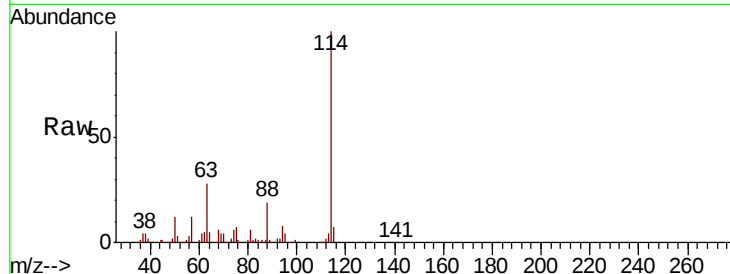
Tgt Ion:	57	Resp:	16599
Ion	Ratio	Lower	Upper
57	100		
41	154.8	72.4	108.6#
43	115.3	187.0	280.6#
56	83.1	41.8	62.6#



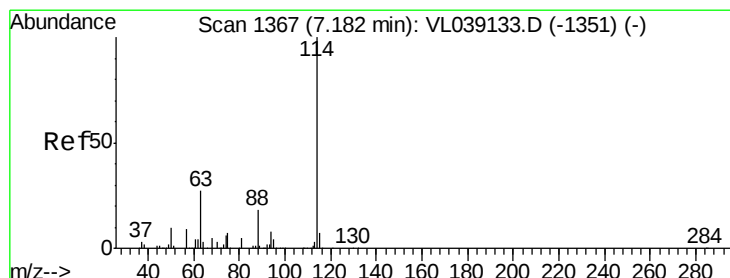
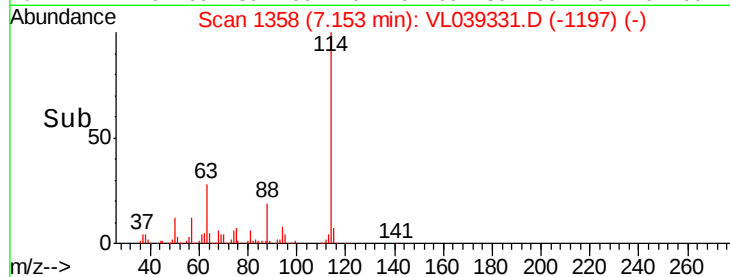
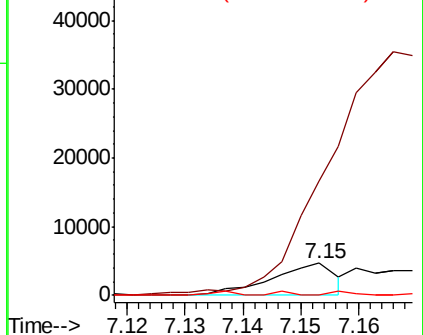


#30
Cvclohexane
Concen: 0.038 ppbv
RT: 7.15
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
OC062122 CAN 10158
Acq: 22 Jun 2022 22:10

Tot Ion: 84 Resp: 3573
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 7.4 68.9 103.3#

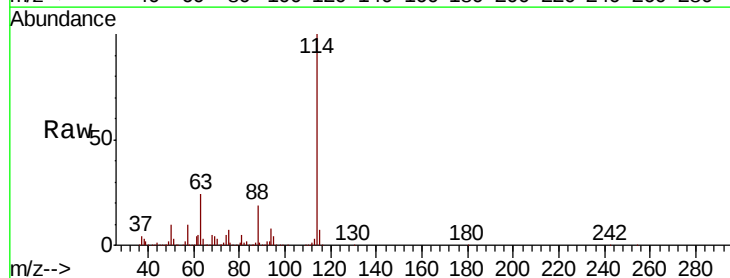


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

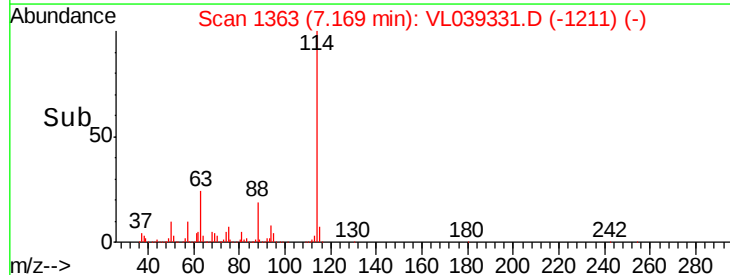
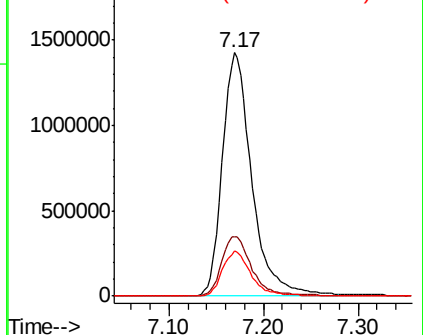


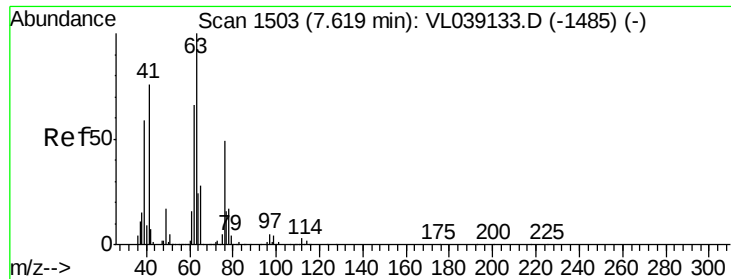
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. -0.01 min
Lab File: VL039331.D
Acq: 22 Jun 2022 22:10

Tgt Ion: 114 Resp: 3093693
Ion Ratio Lower Upper
114 100
63 25.0 21.7 32.5
88 18.1 14.8 22.2



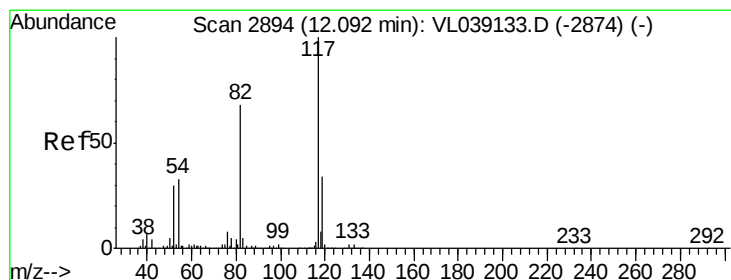
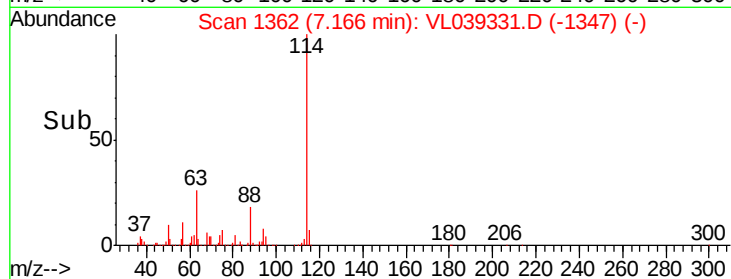
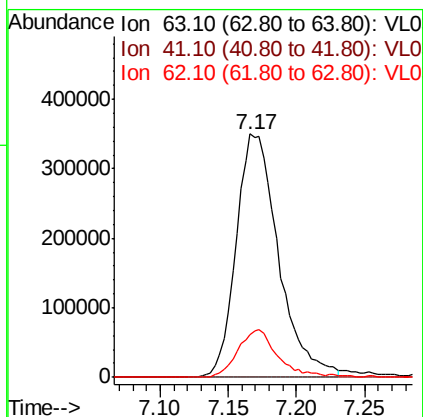
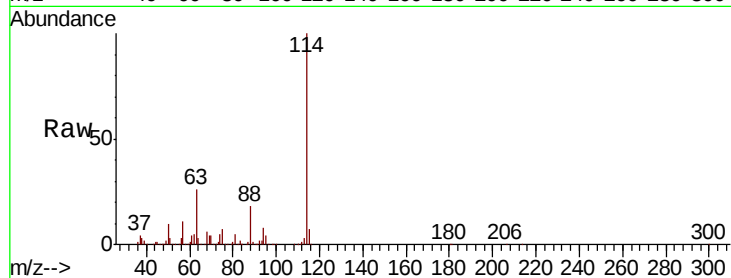
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





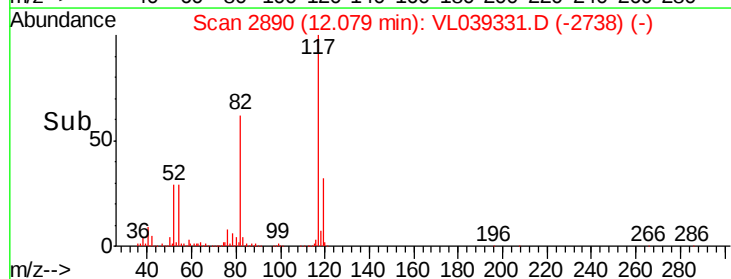
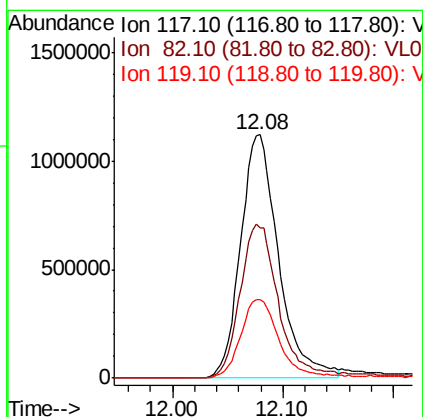
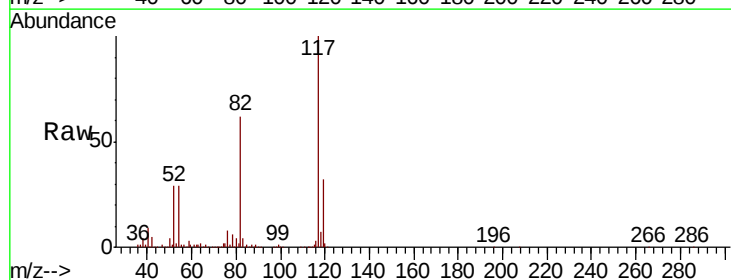
#39
 1,2-Dichloropropane
 Concen: 7.580 ppbv
 RT: 7.17
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 OC062122 CAN 10158
 Acq: 22 Jun 2022 22:10

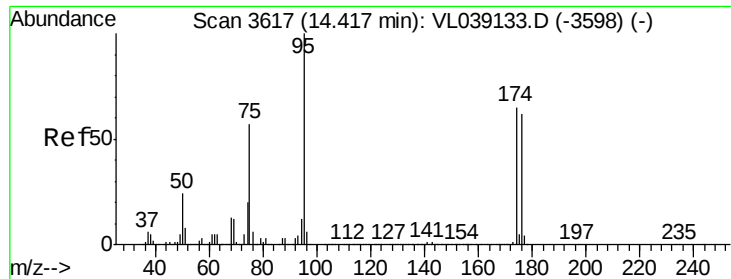
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	17.7	52.9	79.3#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2890
 Delta R.T. -0.01 min
 Lab File: VL039331.D
 Acq: 22 Jun 2022 22:10

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.8	55.1	82.7
119	34.5	24.7	37.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.369 ppbv

RT: 14.41

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

QC062122 CAN 10158

Acq: 22 Jun 2022 22:10

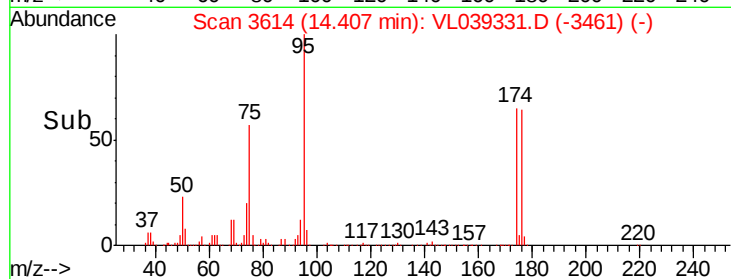
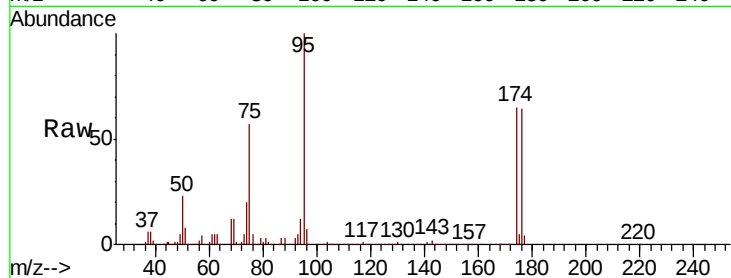
Tot Ion: 95 Resp: 2070492

Ion Ratio Lower Upper

95 100

174 70.0 53.8 80.8

175 5.1 4.1 6.1



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

