

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052522\
 Data File : VL039119.D
 Acq On : 25 May 2022 16:06
 Operator : SY/AP
 Sample : OC052422 CAN 10060
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC052422 CAN 10060

Quant Time: May 26 07:57:46 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 05 10:12:15 2022
 QLast Update : Thu May 05 10:12:15 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	985609	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	2289353	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	1866468	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1591974	10.77	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

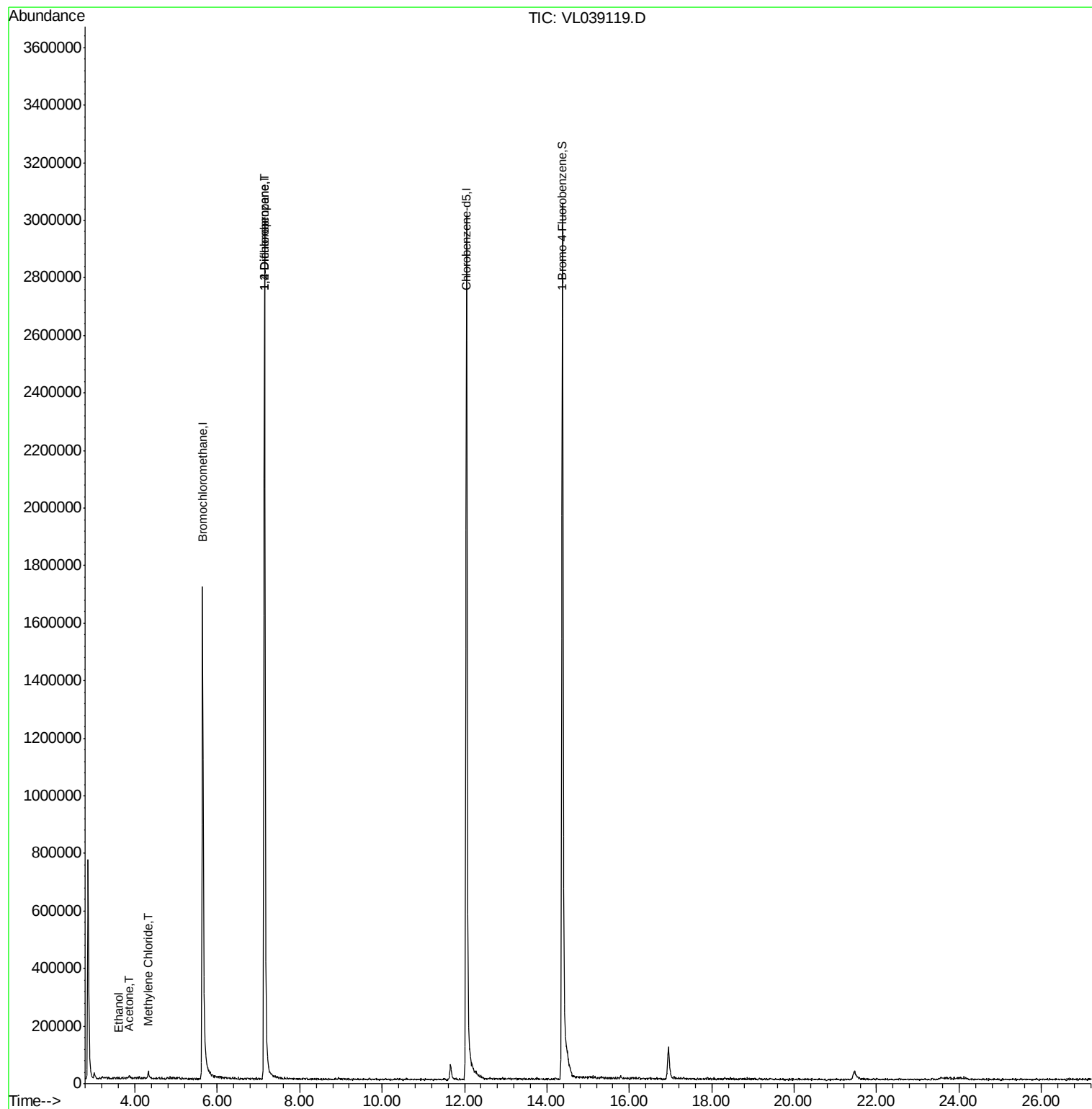
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	473	0.125	ppbv	96
15) Acetone	3.85	43	3542	0.038	ppbv #	1
20) Methylene Chloride	4.32	84	8022	0.229	ppbv #	71
39) 1,2-Dichloropropane	7.15	63	653562	8.573	ppbv #	25

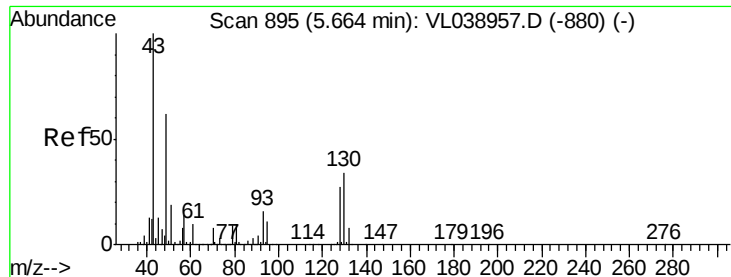
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 Instrument: MSVOA_1

Delta R.T. 0.00 min

Lab File: ClientSampleId: OC052422 CAN 10060

Acq: 25 May 2022 16:00

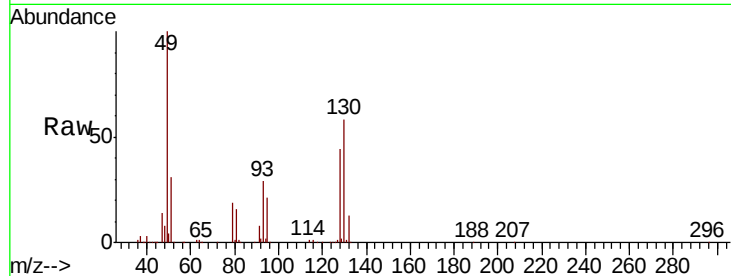
Tot Ion: 49 Resp: 985609

Ion Ratio Lower Upper

49 100

128 46.9 23.3 69.8

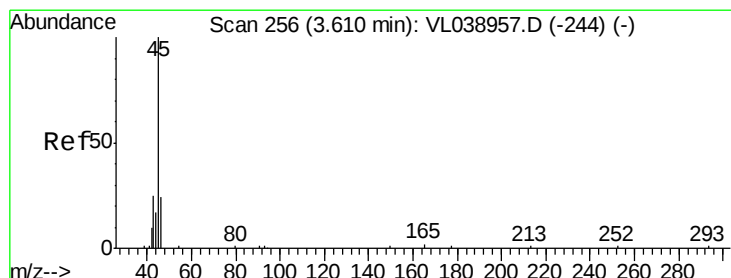
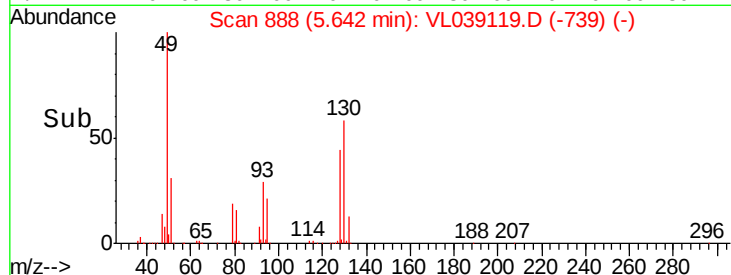
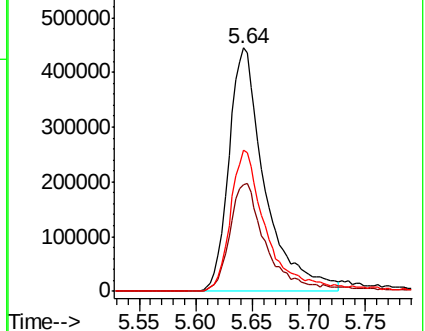
130 59.8 29.8 89.3



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



#13

Ethanol

Concen: 0.125 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL039119.D

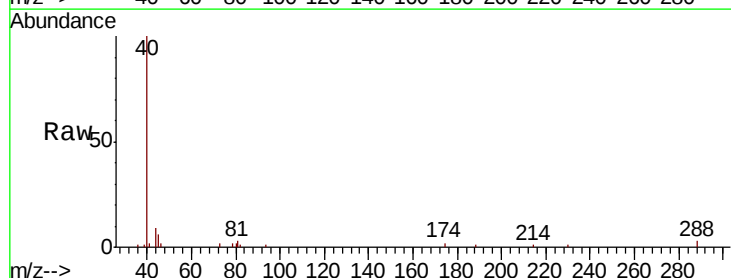
Acq: 25 May 2022 16:06

Tgt Ion: 45 Resp: 473

Ion Ratio Lower Upper

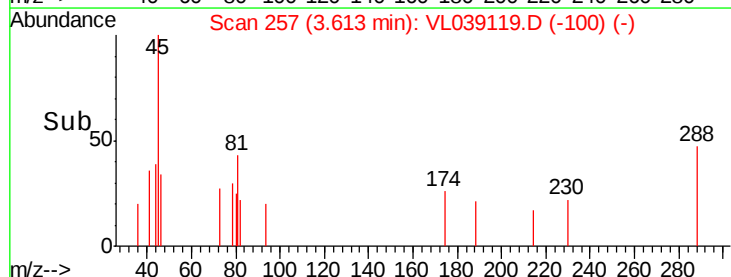
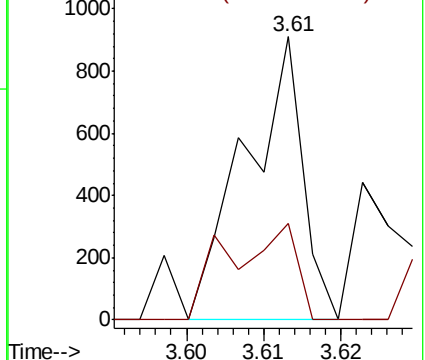
45 100

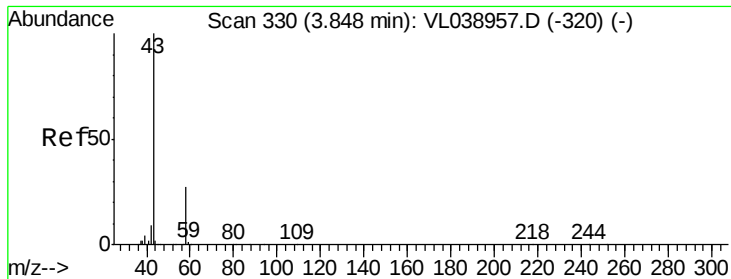
46 47.6 18.0 72.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.038 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

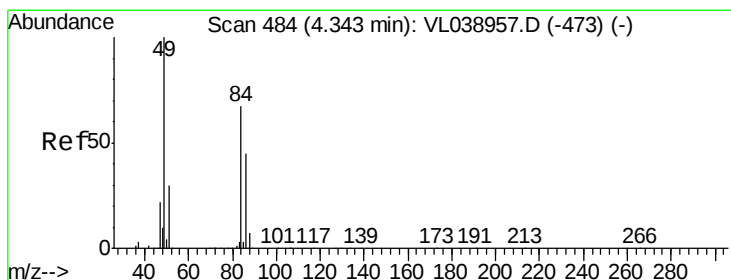
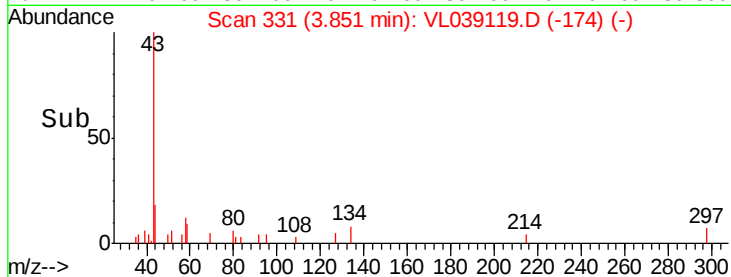
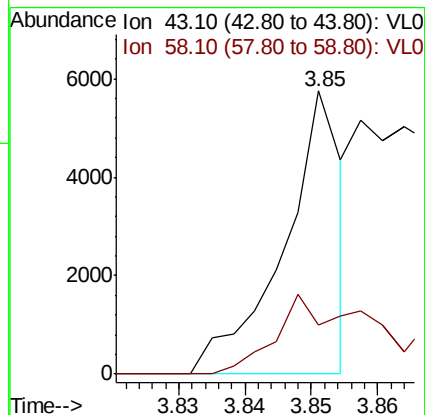
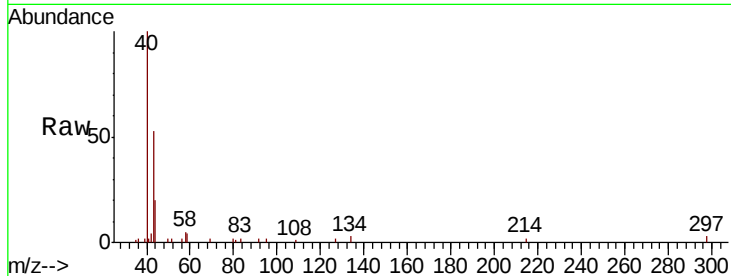
Acq: 25 May 2022 16:06 OC052422 CAN 10060

Tot Ion: 43 Resp: 3542

Ion Ratio Lower Upper

43 100

58 102.4 21.3 31.9#



#20

Methylene Chloride

Concen: 0.229 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL039119.D

Acq: 25 May 2022 16:06

Tgt Ion: 84 Resp: 8022

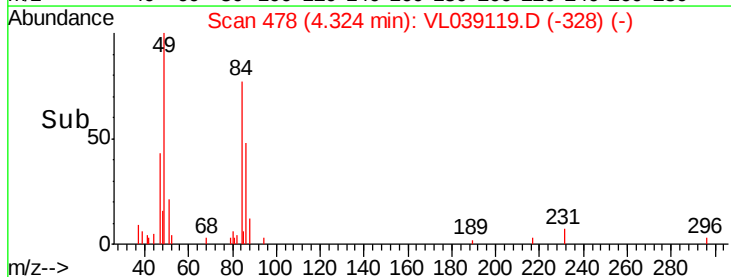
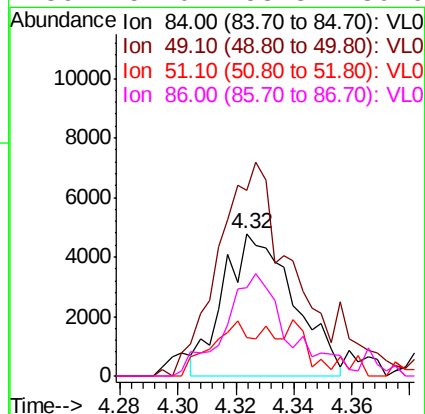
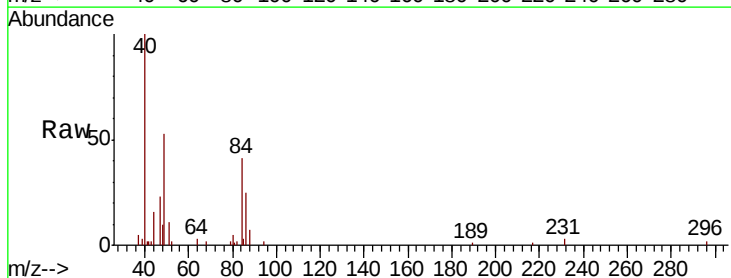
Ion Ratio Lower Upper

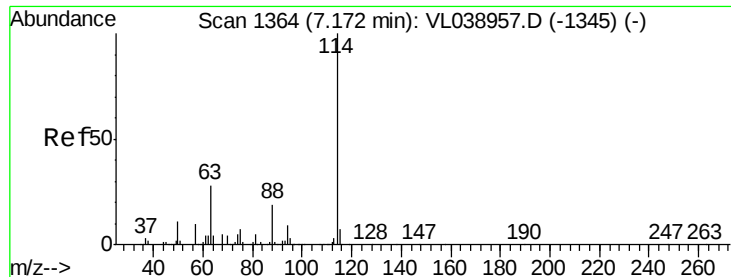
84 100

49 115.3 119.9 179.9#

51 15.0 35.7 53.5#

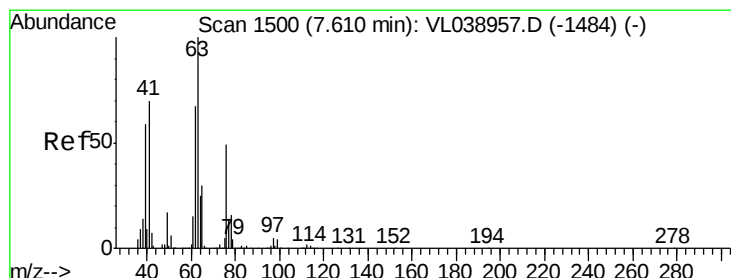
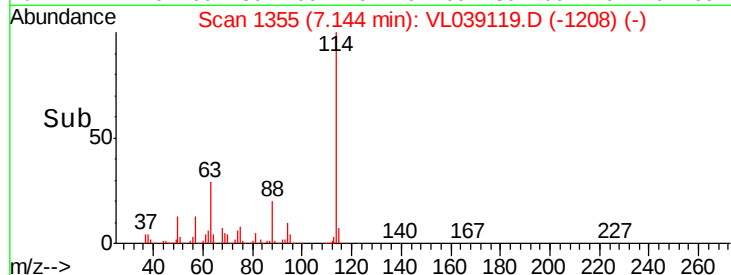
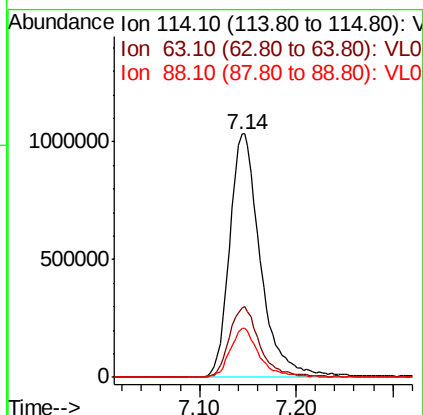
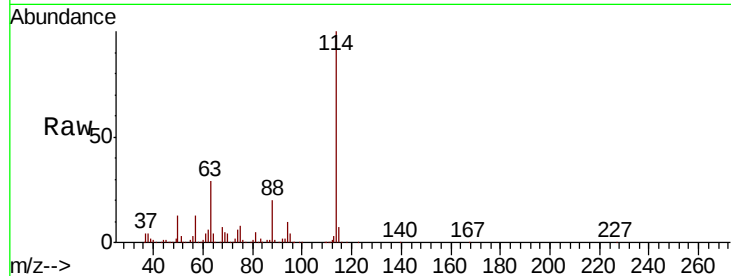
86 51.0 53.8 80.6#





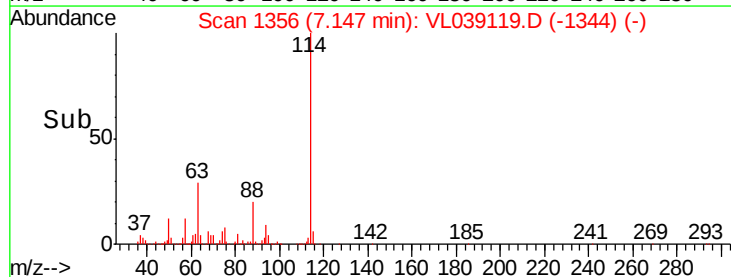
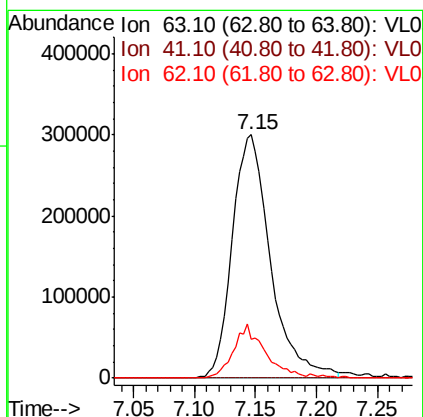
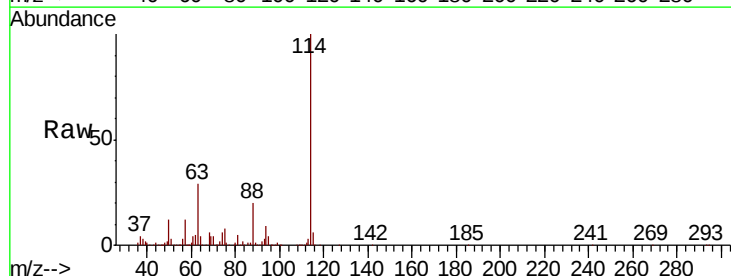
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 Instrument : MSVOA_1
 Delta R.T. ClientSampleId :
 Lab File: OC052422 CAN 10060
 Acq: 25 May 2022 16:00

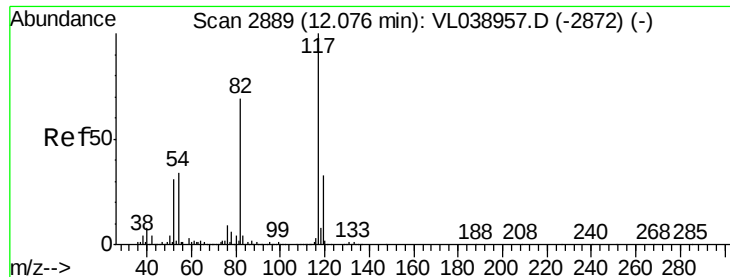
Tot Ion:114 Resp: 2289353
 Ion Ratio Lower Upper
 114 100
 63 29.3 22.6 33.8
 88 19.3 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 8.573 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.46 min
 Lab File: VL039119.D
 Acq: 25 May 2022 16:06

Tgt Ion: 63 Resp: 653562
 Ion Ratio Lower Upper
 63 100
 41 0.1 55.9 83.9#
 62 16.1 53.8 80.6#

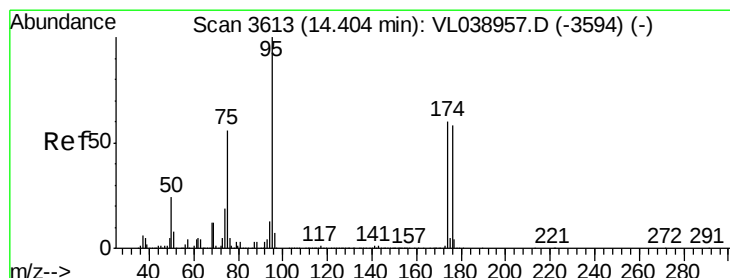
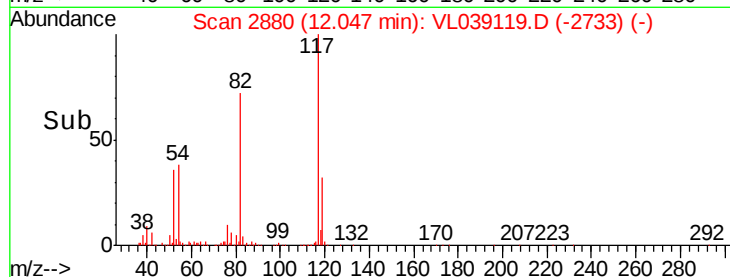
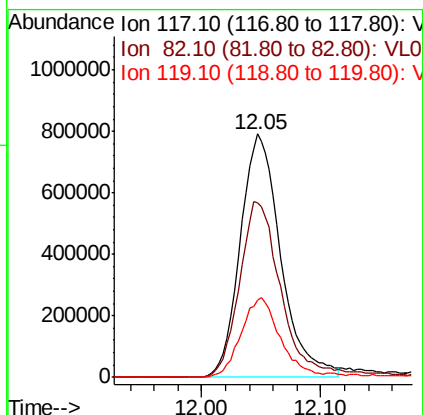
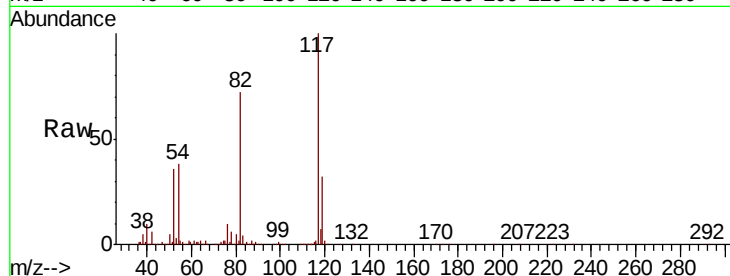




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 OC052422 CAN 10060
 Acq: 25 May 2022 16:00

Tot Ion: 117 Resp: 1866468

Ion	Ratio	Lower	Upper
117	100		
82	75.5	57.0	85.6
119	33.4	27.2	40.8



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.770 ppbv
 RT: 14.38 min Scan# 3605
 Delta R.T.: -0.03 min
 Lab File: VL039119.D
 Acq: 25 May 2022 16:06

Tgt Ion: 95 Resp: 1591974

Ion	Ratio	Lower	Upper
95	100		
174	60.4	50.8	76.2
175	3.9	3.8	5.6

