

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
 Data File : VL038340.D
 Acq On : 14 Feb 2022 14:24
 Operator : SY/AP
 Sample : QC020722 CAN 10448
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC020722 CAN 10448

Quant Time: Feb 15 00:39:22 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	890224	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2229891	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	1916276	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1482575	10.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

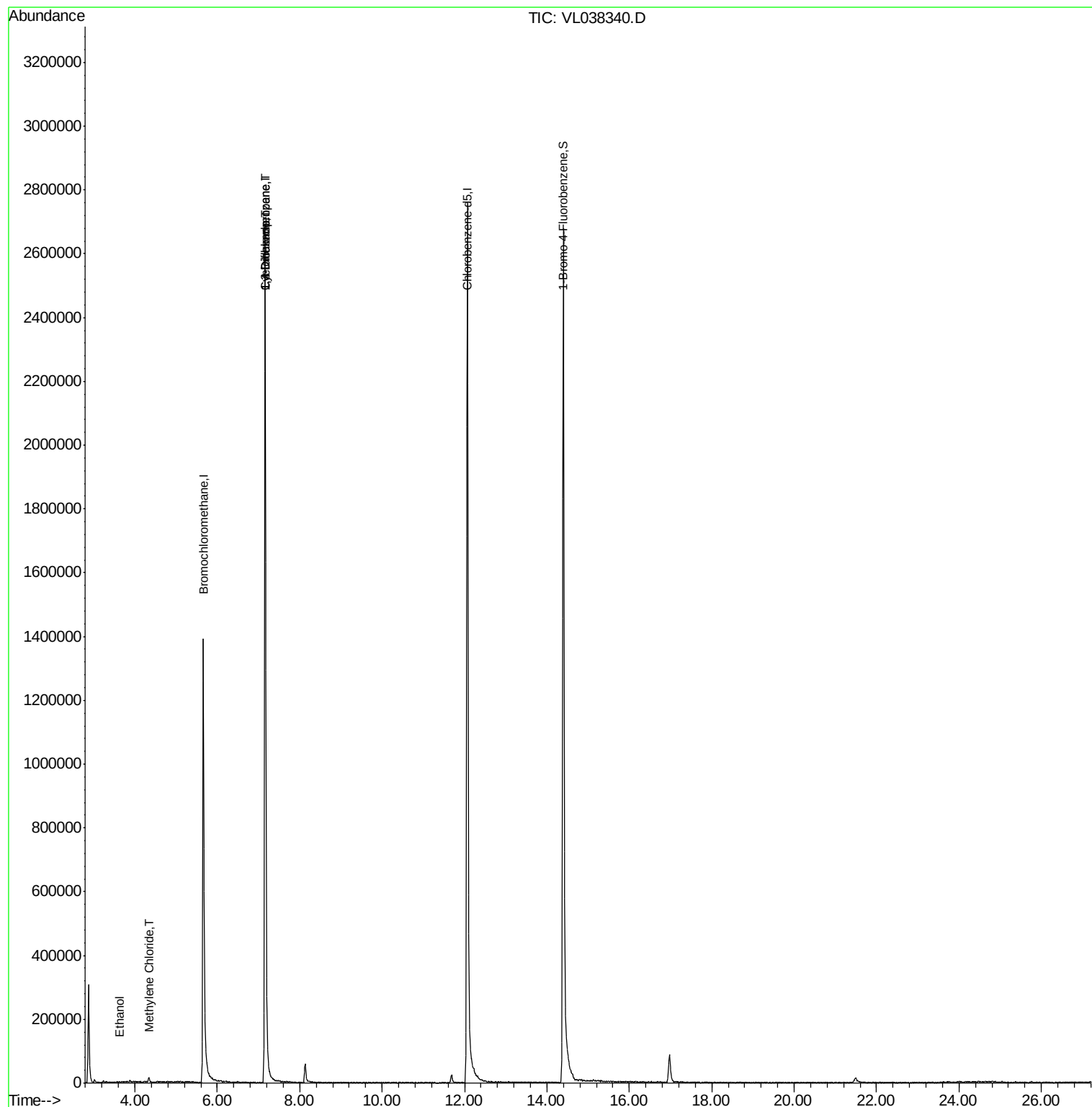
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.63	45	451	0.07	ppbv #	37
20) Methylene Chloride	4.34	84	5993	0.13	ppbv #	87
30) Cyclohexane	7.15	84	2708	0.03	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	606955	7.59	ppbv #	25

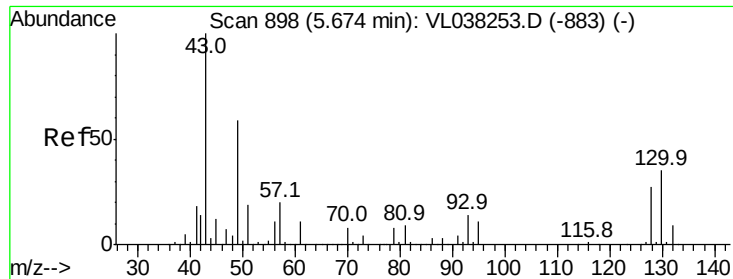
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Feb 2022 14:24 QC020722 CAN 10448

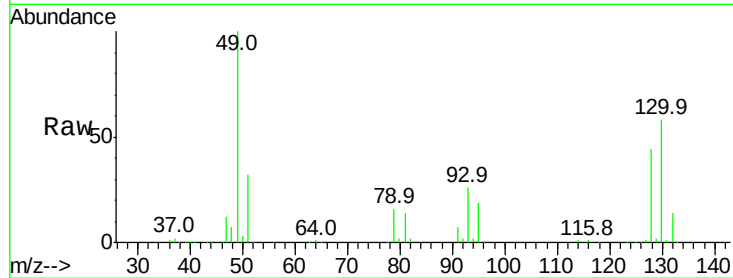
Tgt Ion: 49 Resp: 890224

Ion Ratio Lower Upper

49 100

128 46.0 24.5 73.5

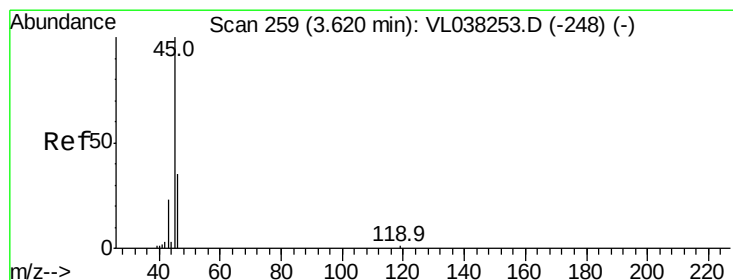
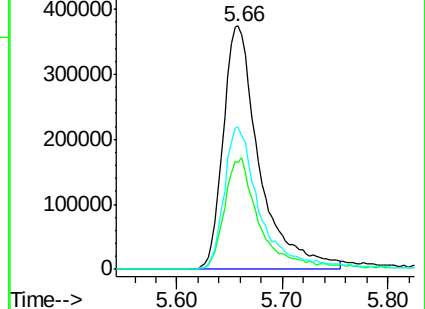
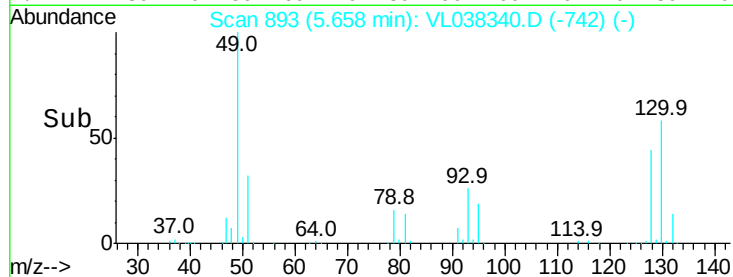
130 59.3 30.1 90.5



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



#13

Ethanol

Concen: 0.07 ppbv

RT: 3.63 min Scan# 261

Delta R.T. 0.01 min

Lab File: VL038340.D

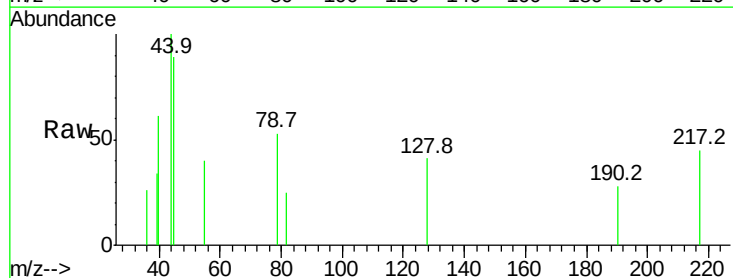
Acq: 14 Feb 2022 14:24

Tgt Ion: 45 Resp: 451

Ion Ratio Lower Upper

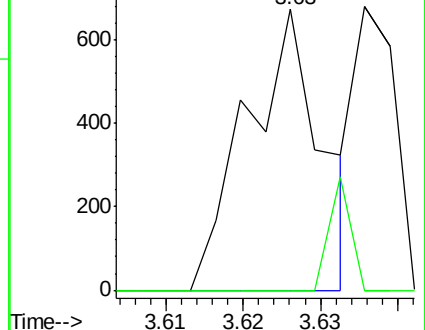
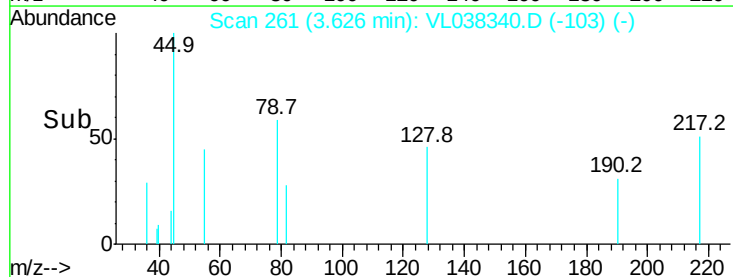
45 100

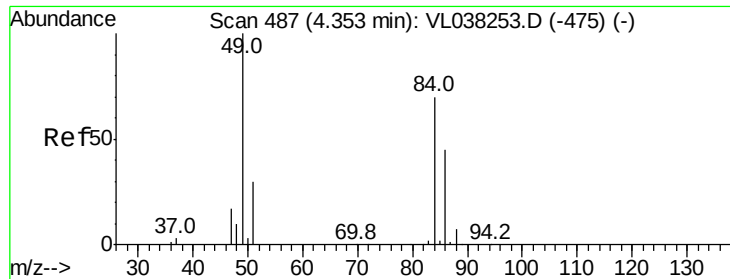
46 0.0 15.4 61.6#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

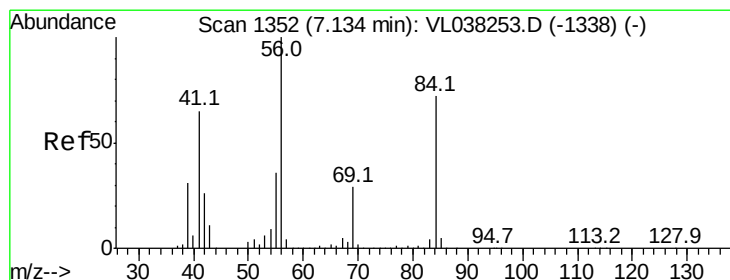
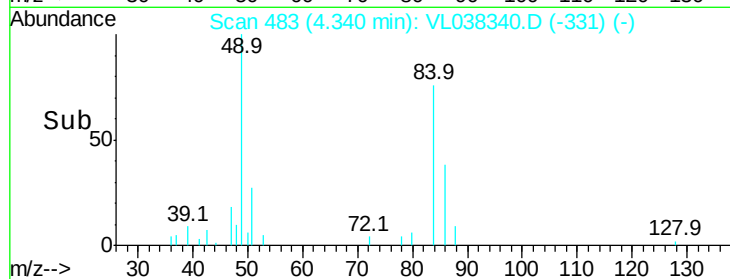
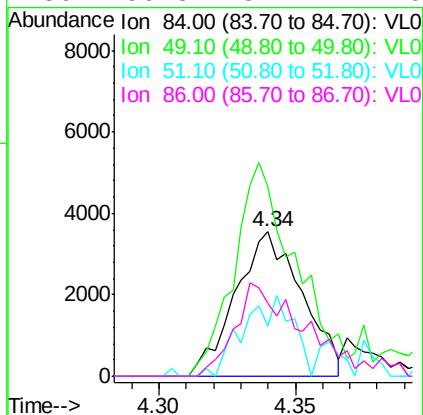
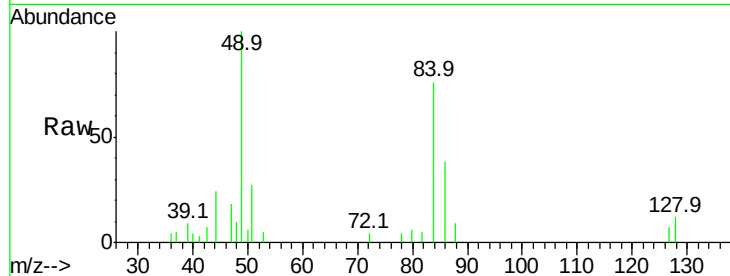




#20
Methylene Chloride
Concen: 0.13 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 14 Feb 2022 14:24

Tgt Ion: 84 Resp: 5993

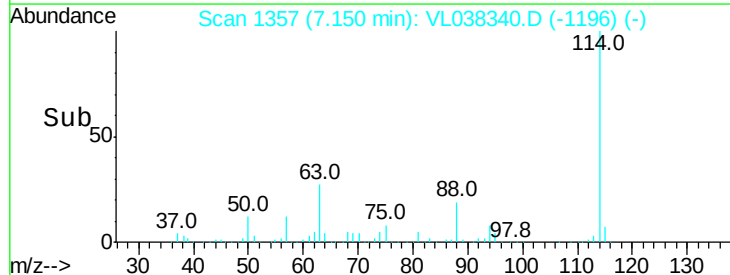
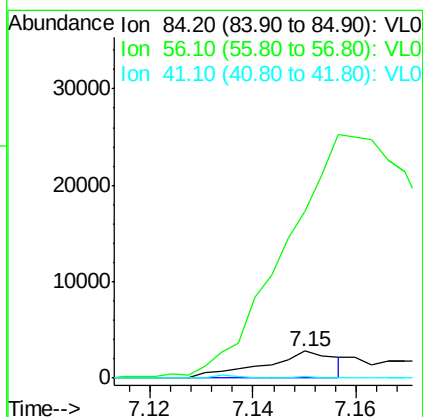
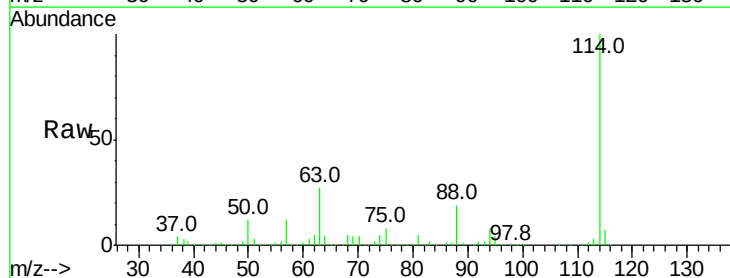
Ion	Ratio	Lower	Upper
84	100		
49	130.9	115.0	172.6
51	34.9	35.0	52.6#
86	50.3	51.4	77.0#

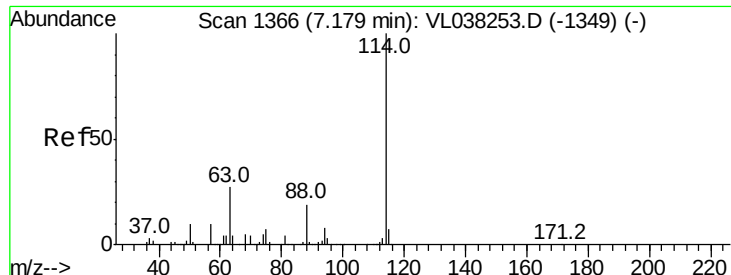


#30
Cyclohexane
Concen: 0.03 ppbv
RT: 7.15 min Scan# 1357
Delta R.T.: 0.02 min
Lab File: VL038340.D
Acq: 14 Feb 2022 14:24

Tgt Ion: 84 Resp: 2708

Ion	Ratio	Lower	Upper
84	100		
56	0.0	112.7	169.1#
41	4.7	71.1	106.7#

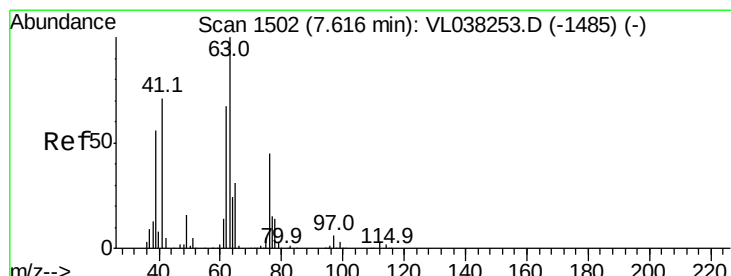
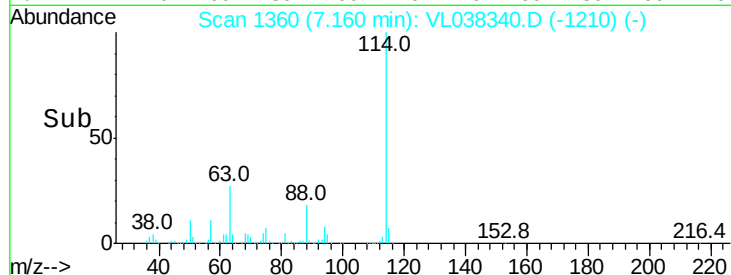
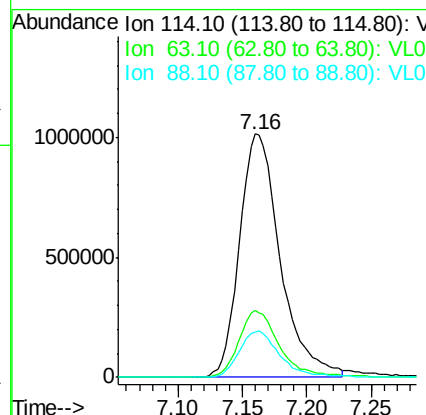
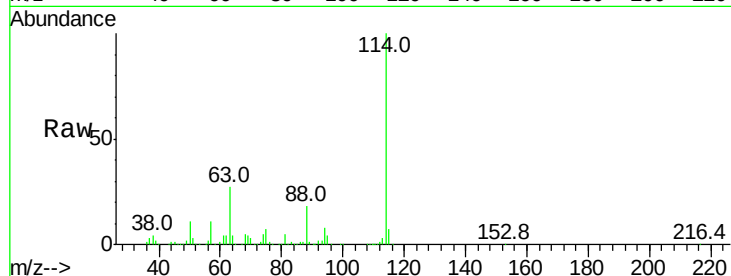




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 QC020722 CAN 10448
 Acq: 14 Feb 2022 14:24

Tgt Ion: 114 Resp: 2229891

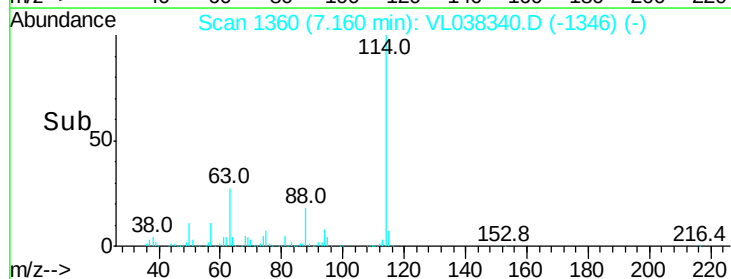
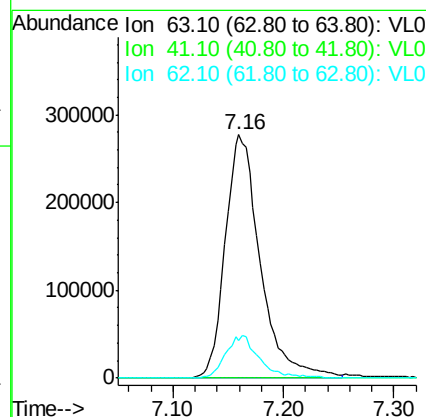
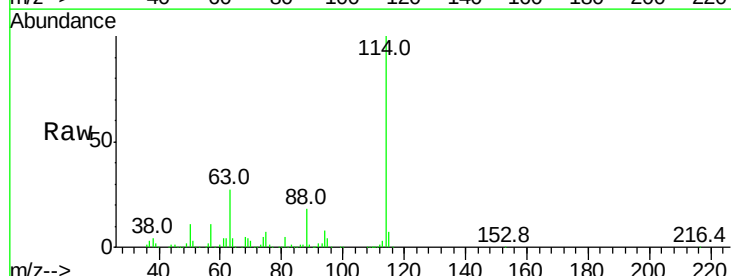
Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.0	33.0
88	19.2	15.0	22.6

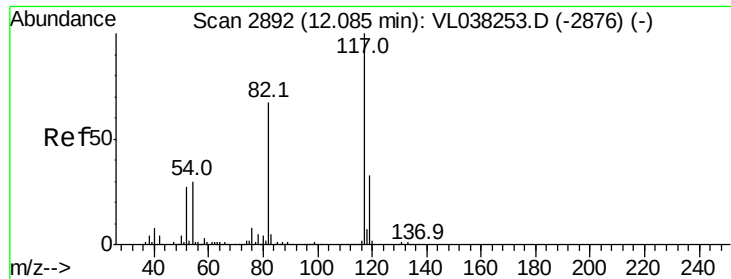


#39
 1,2-Dichloropropane
 Concen: 7.59 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.46 min
 Lab File: VL038340.D
 Acq: 14 Feb 2022 14:24

Tgt Ion: 63 Resp: 606955

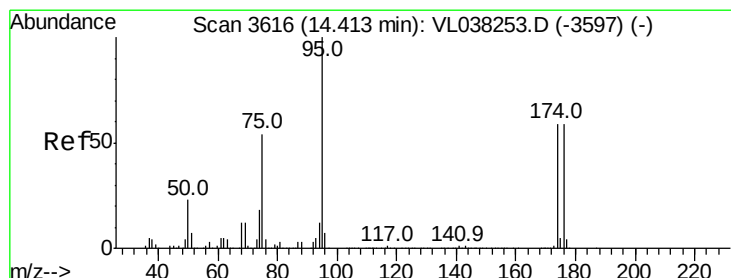
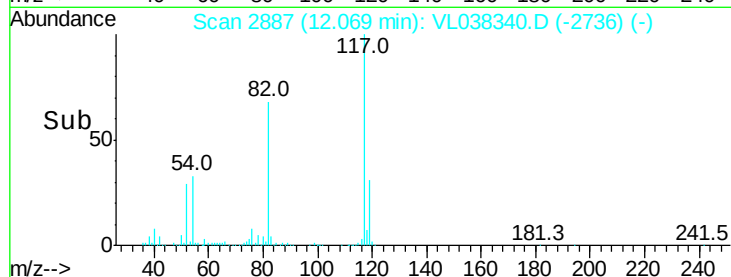
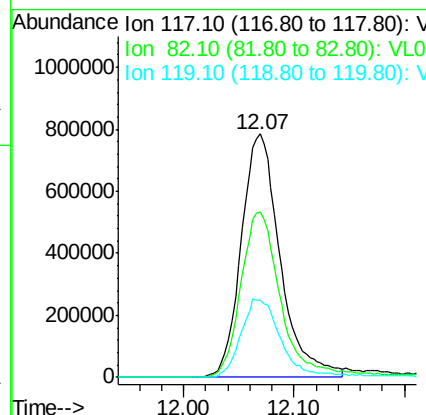
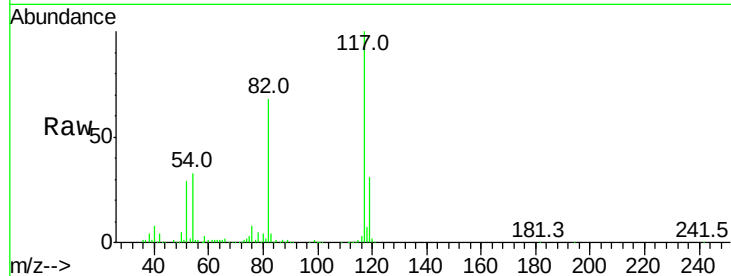
Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.6	85.0#
62	15.5	53.9	80.9#





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: QC020722 CAN 10448
 Acq: 14 Feb 2022 14:24

Tgt Ion: 117 Resp: 1916276
 Ion Ratio Lower Upper
 117 100
 82 71.9 54.4 81.6
 119 34.1 45.9 68.9#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.19 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T. -0.02 min
 Lab File: VL038340.D
 Acq: 14 Feb 2022 14:24

Tgt Ion: 95 Resp: 1482575
 Ion Ratio Lower Upper
 95 100
 174 62.5 48.3 72.5
 175 4.5 3.5 5.3

