

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050621\
 Data File : VL036899.D
 Acq On : 6 May 2021 12:22
 Operator : SY/AP
 Sample : QC042221 CAN 10663
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC042221 CAN 10663

Quant Time: May 07 08:10:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1362017	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3159413	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2775442	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2273126	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

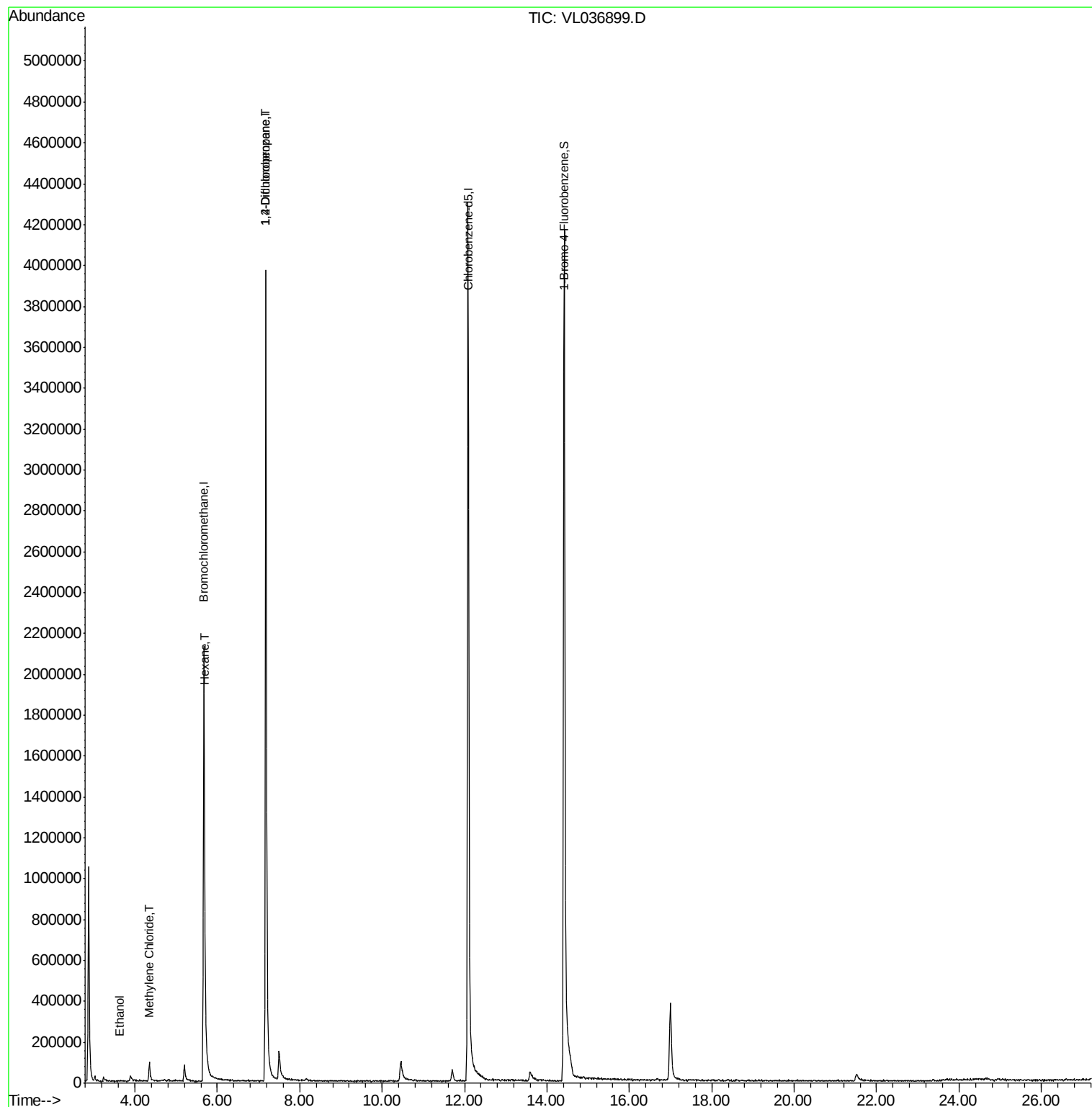
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	296	0.031	ppbv #	34
20) Methylene Chloride	4.35	84	35166	0.573	ppbv	88
26) Hexane	5.69	57	11443	0.078	ppbv #	23
39) 1,2-Dichloropropane	7.18	63	870655	8.164	ppbv #	24

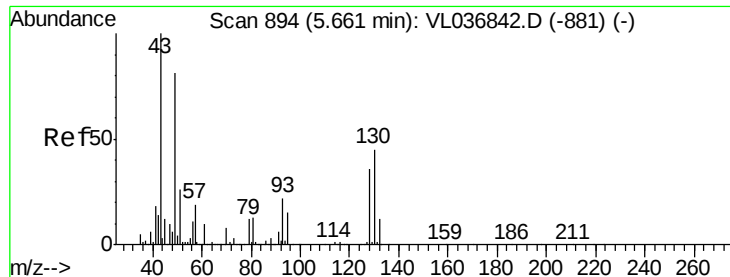
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 6 May 2021 12:22

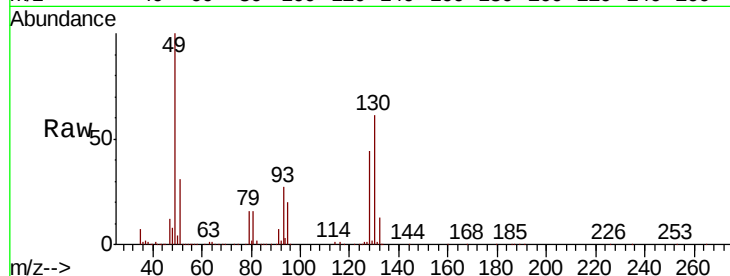
Tot Ion: 49 Resp: 1362017

Ion Ratio Lower Upper

49 100

128 46.9 24.4 73.2

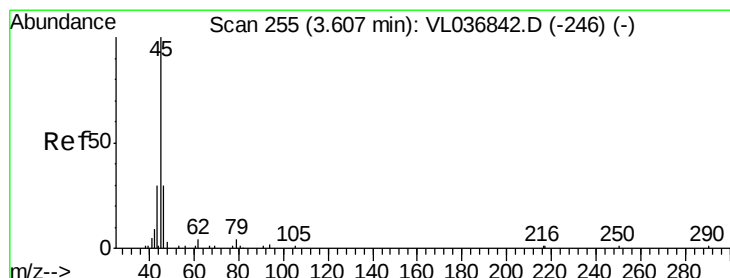
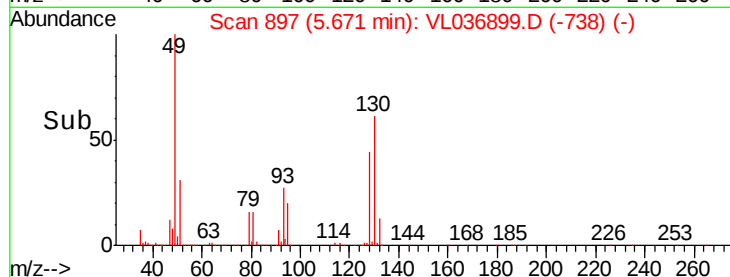
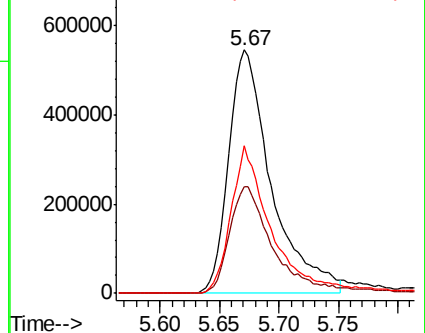
130 58.4 30.3 90.8



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: 0.031 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL036899.D

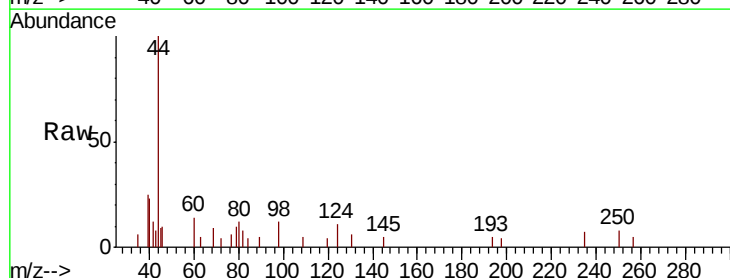
Acq: 6 May 2021 12:22

Tgt Ion: 45 Resp: 296

Ion Ratio Lower Upper

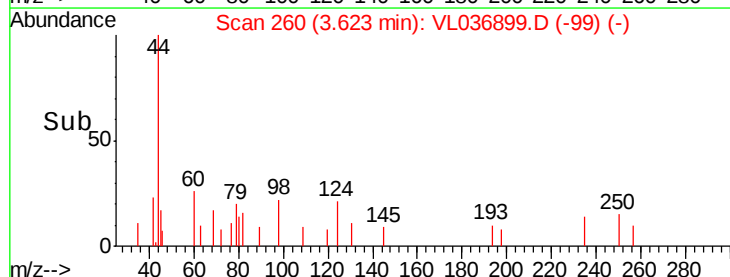
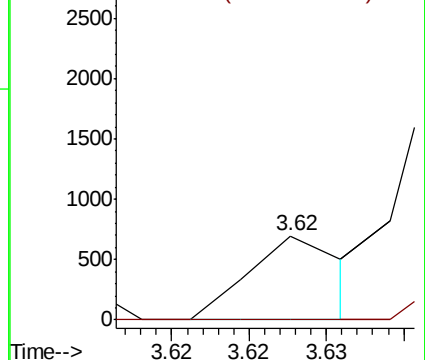
45 100

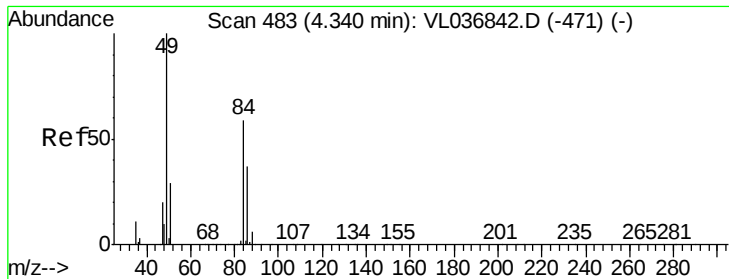
46 0.0 16.8 67.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

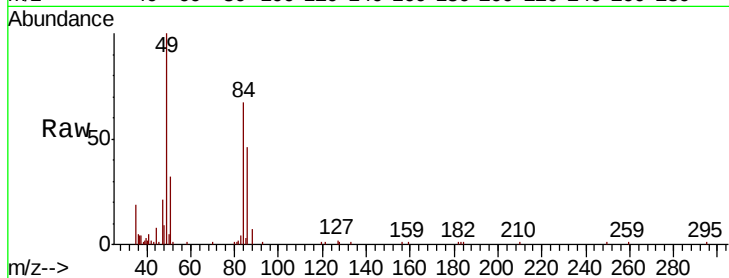
Ion 46.10 (45.80 to 46.80): VL0





#20
Methvlene Chloride
Concen: 0.573 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId :
Acq: 6 May 2021 12:22

Tot Ion:	84	Resp:	35166
Ion	Ratio	Lower	Upper
84	100		
49	145.5	135.4	203.0
51	47.7	39.3	58.9
86	67.1	50.2	75.2



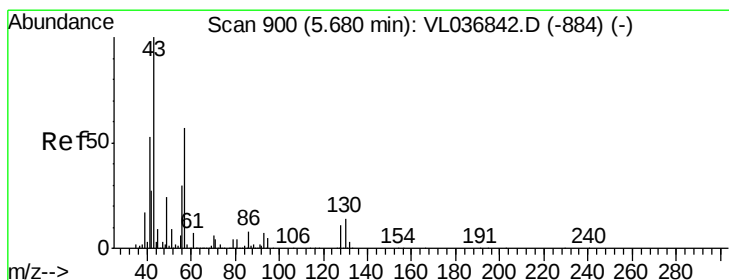
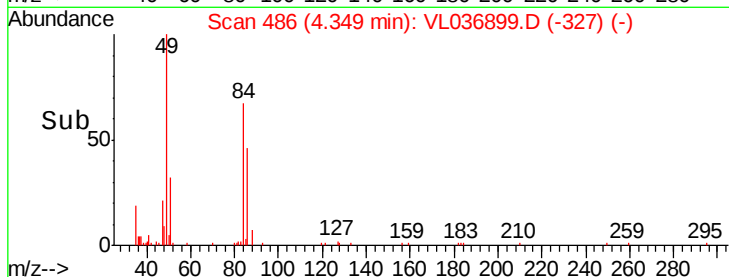
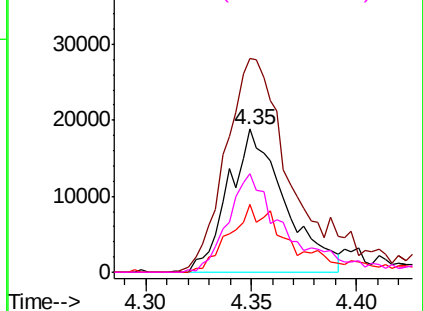
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

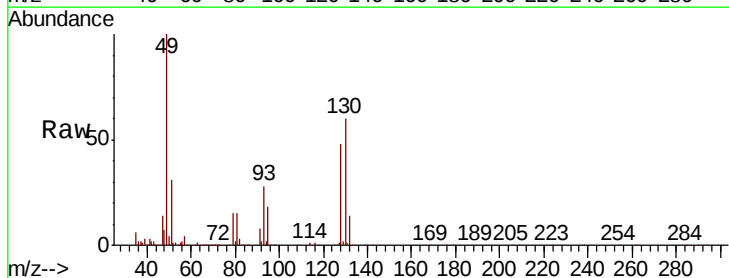
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#26
Hexane
Concen: 0.078 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL036899.D
Acq: 6 May 2021 12:22

Tgt Ion:	57	Resp:	11443
Ion	Ratio	Lower	Upper
57	100		
41	224.8	77.7	116.5#
43	139.2	180.5	270.7#
56	116.4	44.6	66.8#



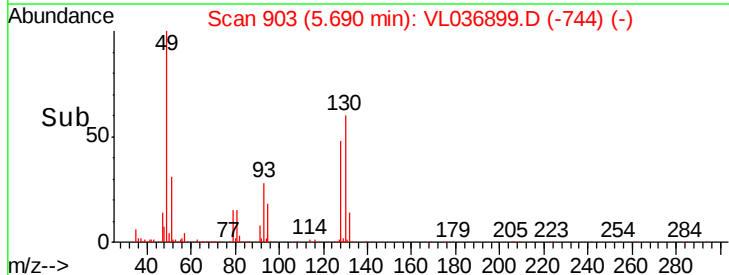
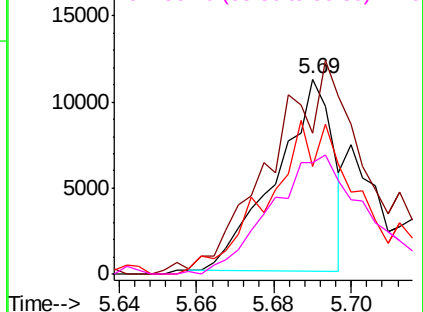
Abundance

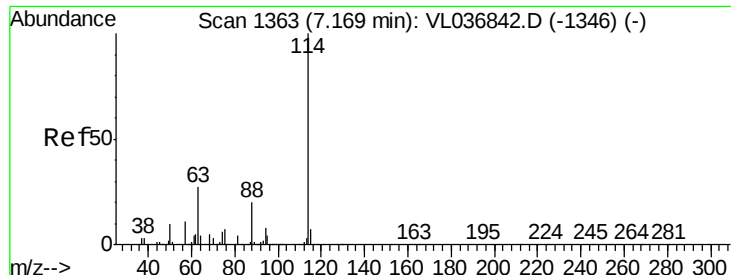
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

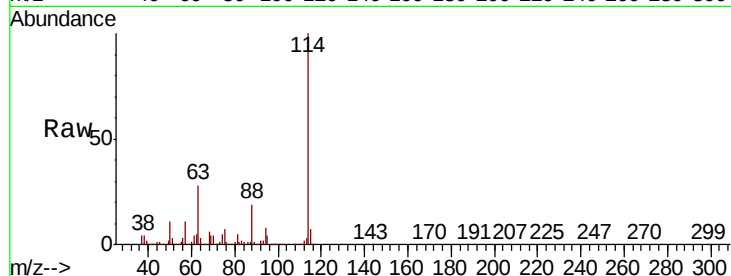




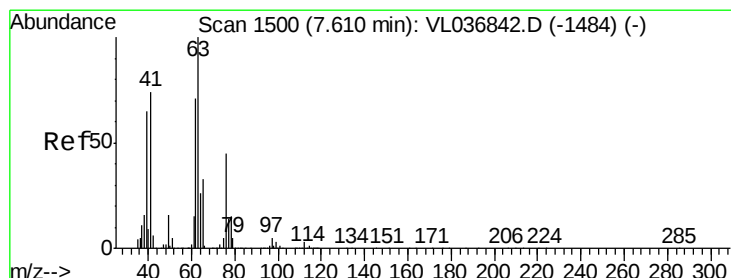
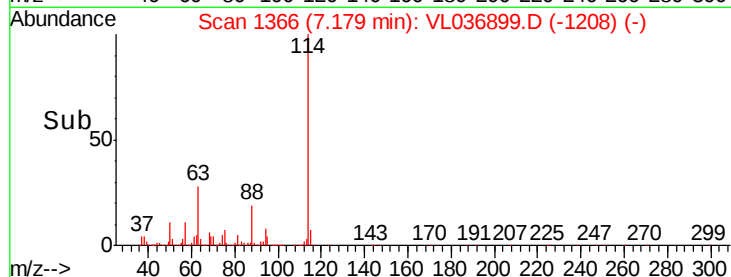
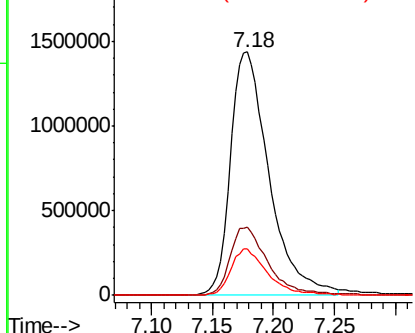
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 OC042221 CAN 10663
 Acq: 6 May 2021 12:22

Tot Ion: 114 Resp: 3159413

Ion	Ratio	Lower	Upper
114	100		
63	28.2	21.9	32.9
88	18.8	15.1	22.7



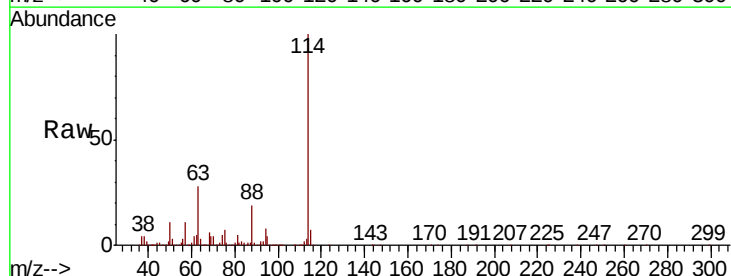
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



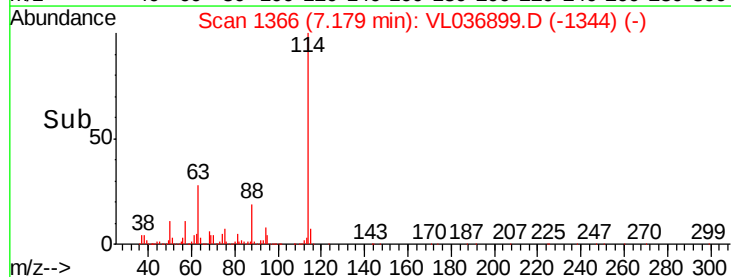
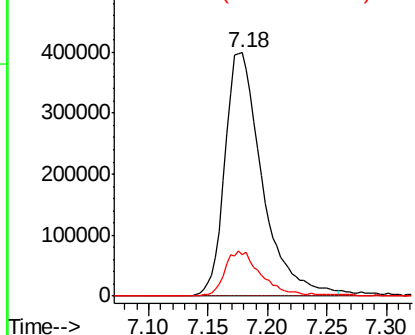
#39
 1,2-Dichloropropane
 Concen: 8.164 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T.: -0.43 min
 Lab File: VL036899.D
 Acq: 6 May 2021 12:22

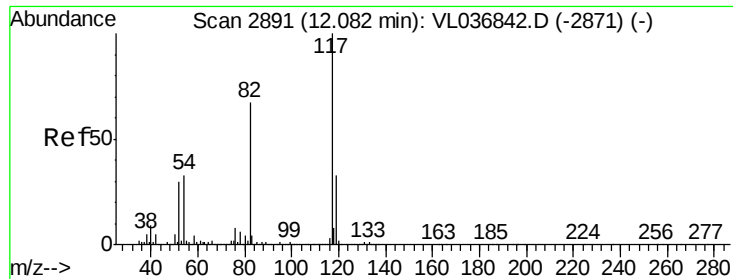
Tgt Ion: 63 Resp: 870655

Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.1	88.7#
62	17.2	56.9	85.3#



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

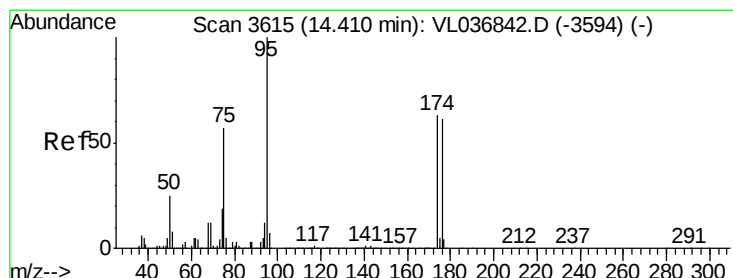
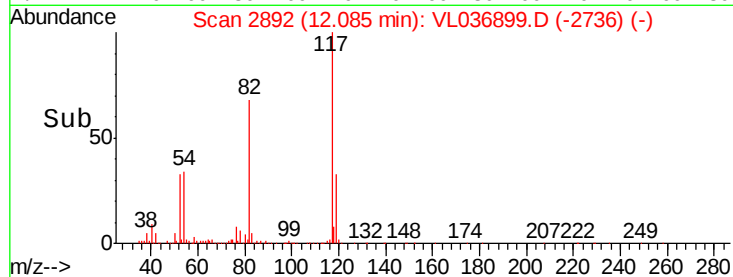
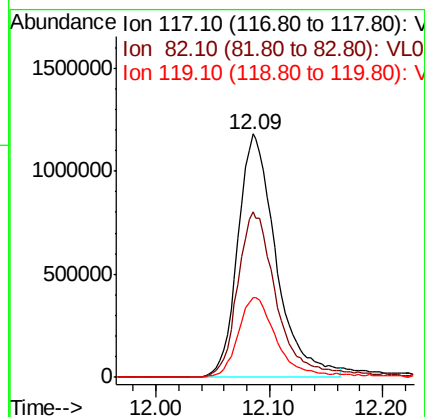
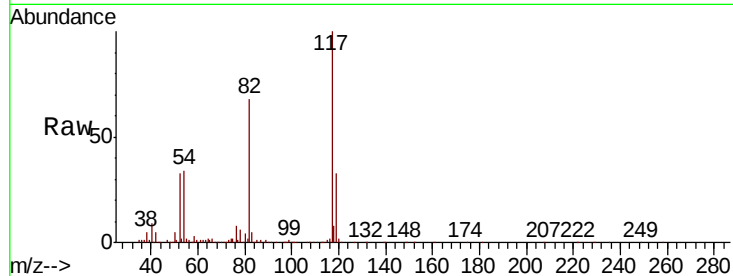




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09
 Instrument: MSVOA_L
 Delta R.T.:
 Lab File: ClientSampleId:
 OC042221 CAN 10663
 Acq: 6 May 2021 12:22

Tot Ion:117 Resp: 2775442

Ion	Ratio	Lower	Upper
117	100		
82	71.9	53.5	80.3
119	34.8	25.6	38.4



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.203 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.01 min
 Lab File: VL036899.D
 Acq: 6 May 2021 12:22

Tgt Ion: 95 Resp: 2273126

Ion	Ratio	Lower	Upper
95	100		
174	65.9	52.2	78.2
175	4.7	4.0	6.0

