

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036258.D
 Acq On : 20 Jan 2021 22:43
 Operator : SY/AP
 Sample : OC010521 CAN 10266
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC010521 CAN 10266

Quant Time: Jan 21 01:36:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1370607	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2954026	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2650684	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2106524	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

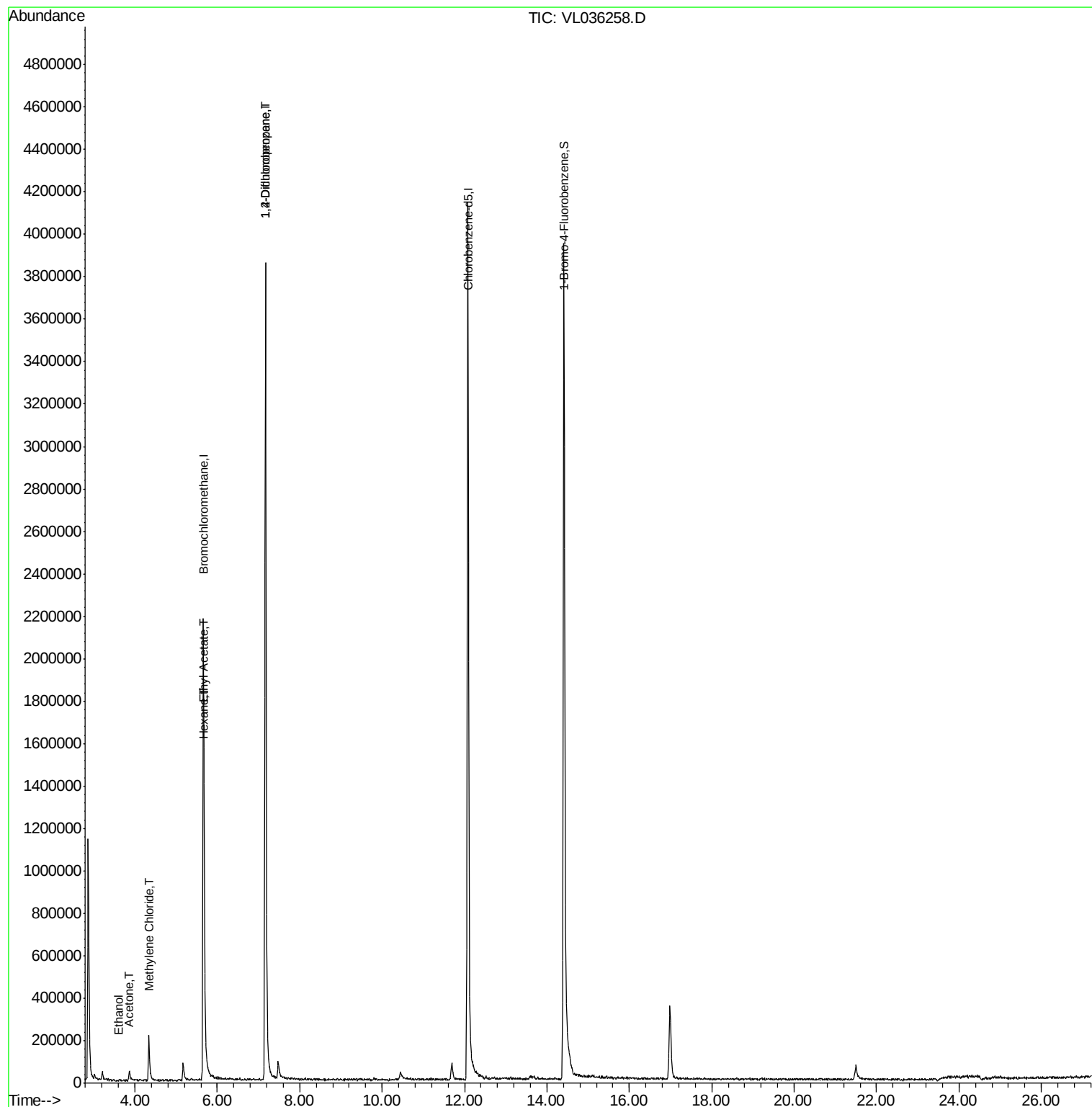
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	549	0.044	ppbv #	29
15) Acetone	3.86	43	31037	0.185	ppbv #	49
20) Methylene Chloride	4.34	84	78298	1.461	ppbv	97
25) Ethyl Acetate	5.68	43	51621	0.153	ppbv #	79
26) Hexane	5.69	57	69790	0.497	ppbv #	35
39) 1,2-Dichloropropane	7.17	63	886113	8.063	ppbv #	21

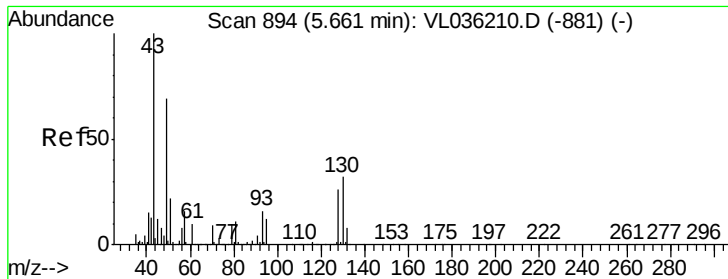
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jan 14 16:13:38 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

QC010521 CAN 10266

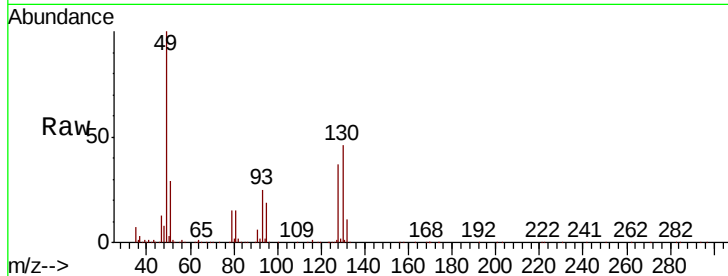
Tot Ion: 49 Resp: 1370607

Ion Ratio Lower Upper

49 100

128 40.8 20.1 60.2

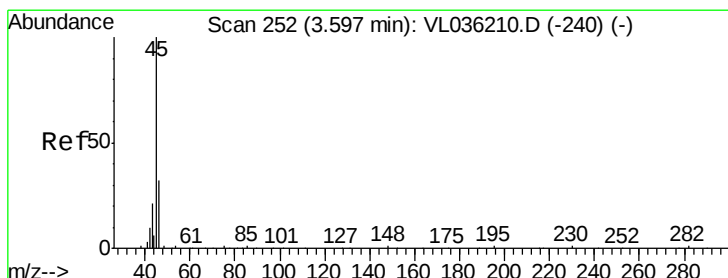
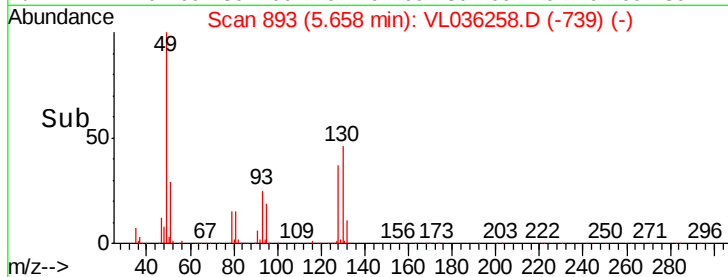
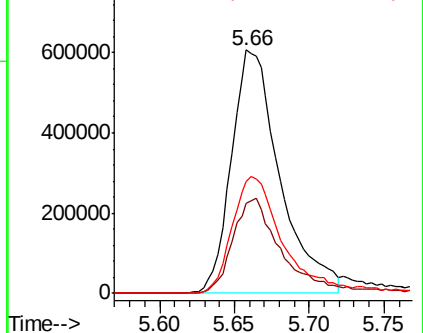
130 51.7 25.3 75.9



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: 0.044 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL036258.D

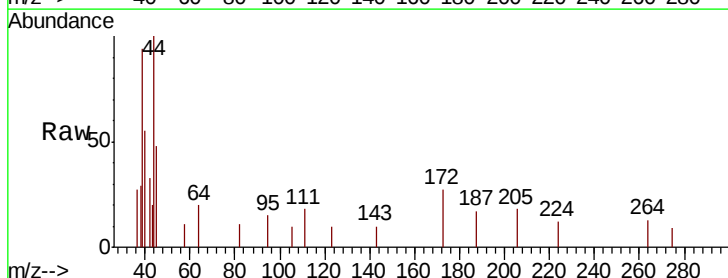
Acq: 20 Jan 2021 22:43

Tgt Ion: 45 Resp: 549

Ion Ratio Lower Upper

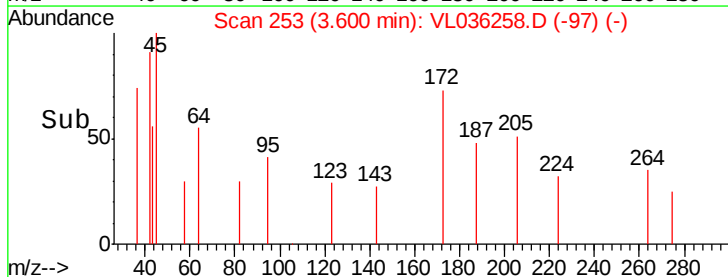
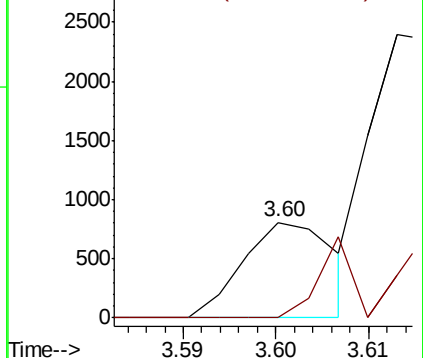
45 100

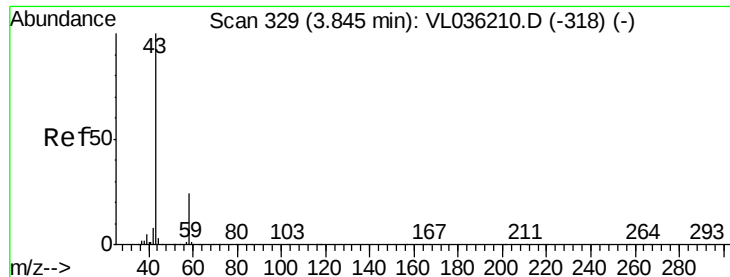
46 0.0 19.2 77.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

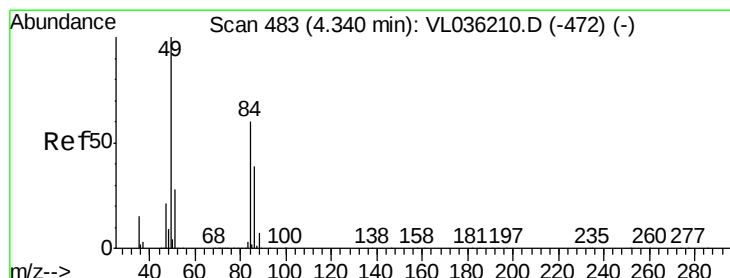
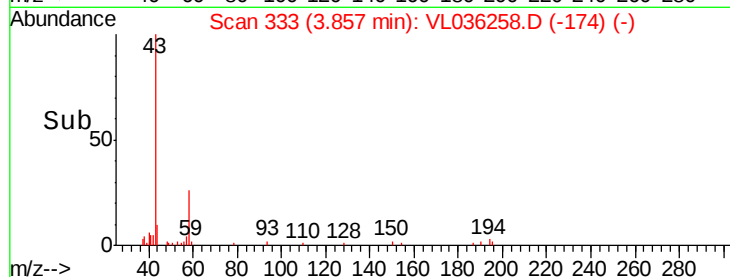
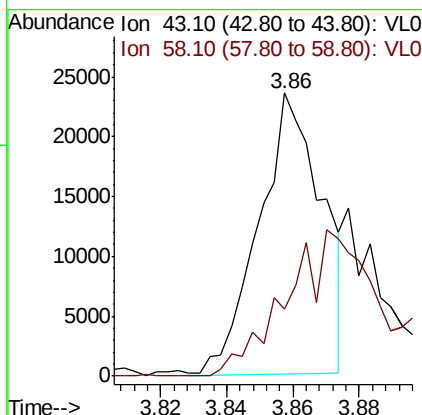
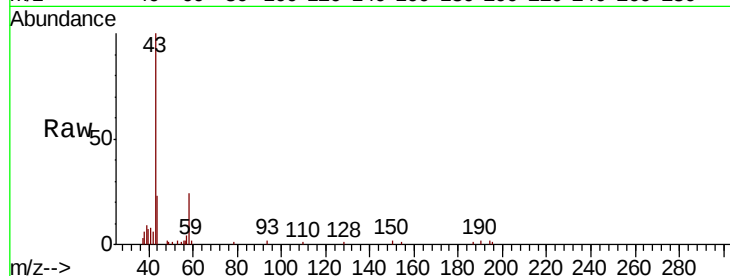




#15
Acetone
Concen: 0.185 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036258.D
Acq: 20 Jan 2021 22:43

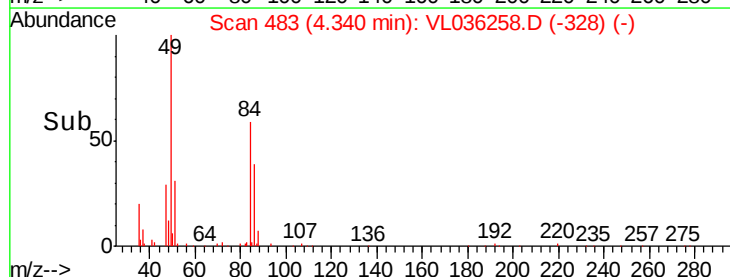
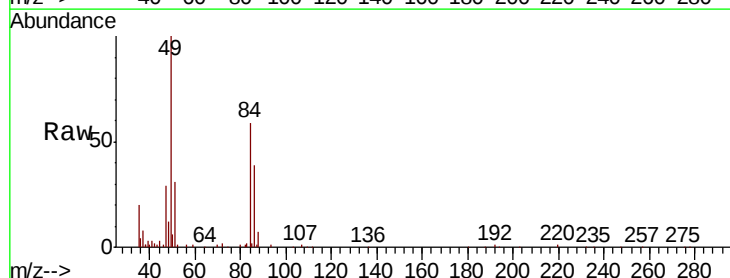
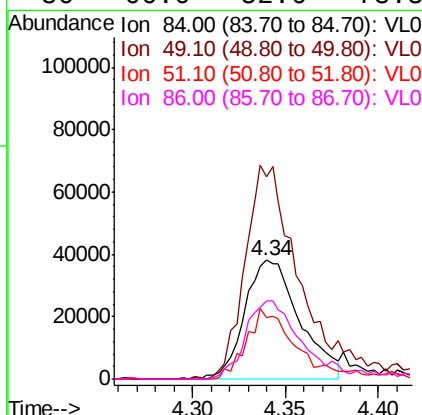
Instrument :
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QC010521 CAN 10266

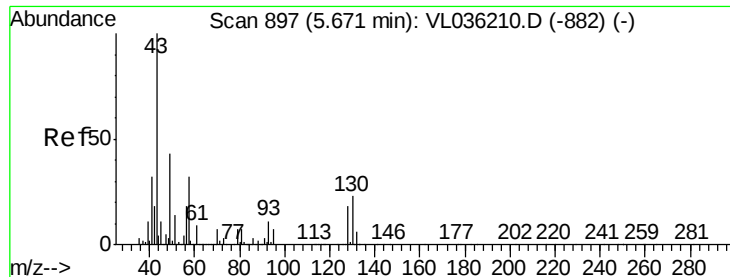
Tot Ion: 43 Resp: 31037
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#



#20
Methylene Chloride
Concen: 1.461 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036258.D
Acq: 20 Jan 2021 22:43

Tgt Ion: 84 Resp: 78298
Ion Ratio Lower Upper
84 100
49 170.3 134.1 201.1
51 52.2 37.4 56.0
86 66.0 52.6 78.8

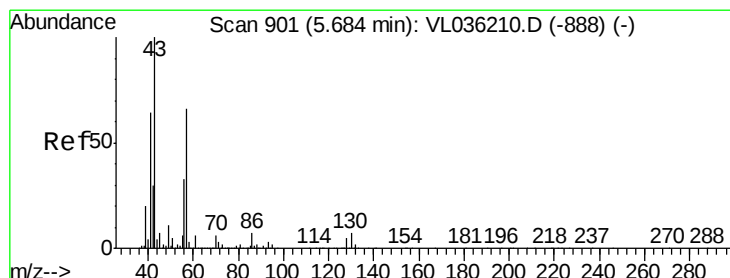
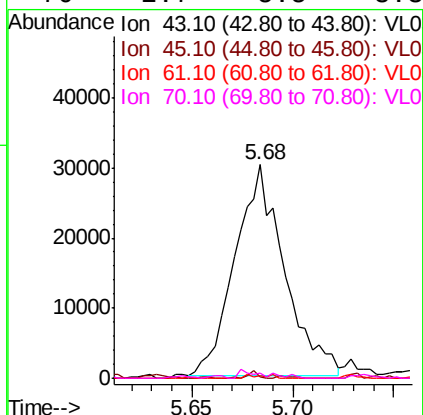
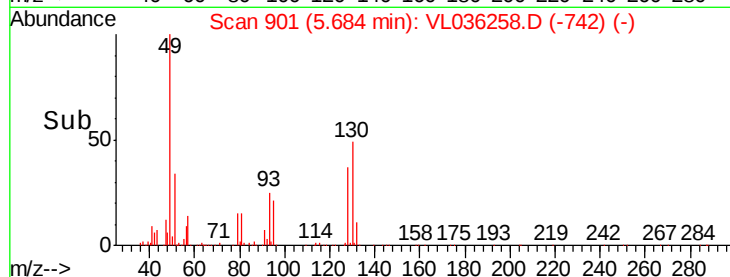
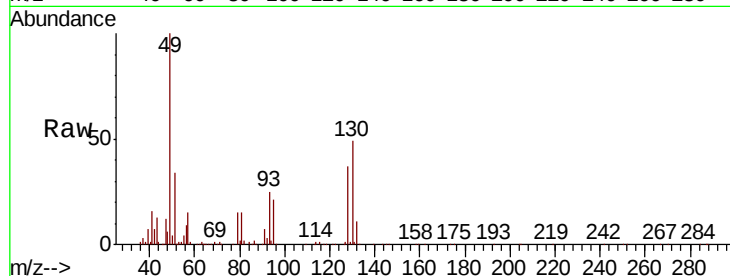




#25
Ethyl Acetate
Concen: 0.153 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL036258.D
Acq: 20 Jan 2021 22:43

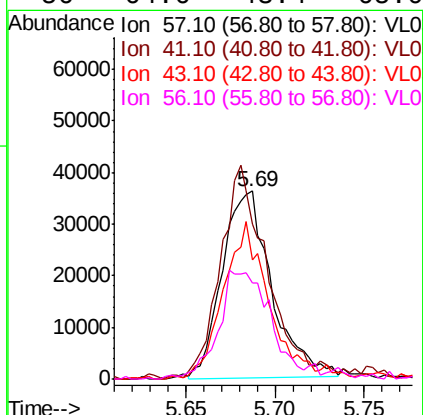
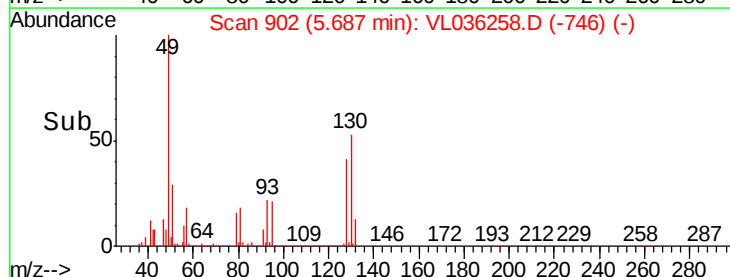
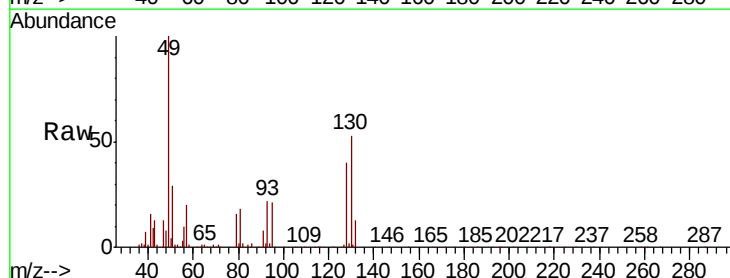
Instrument :
MSVOA_L
ClientSampleId :
QC010521 CAN 10266

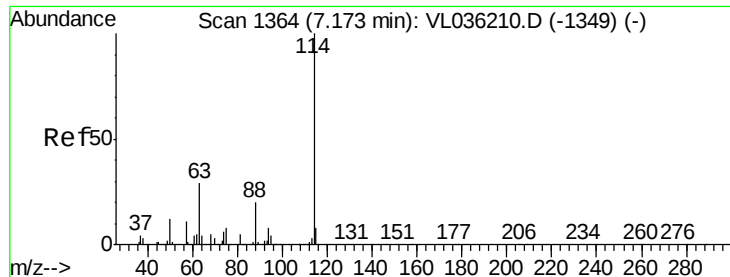
Tot Ion:	43	Resp:	51621
Ion	Ratio	Lower	Upper
43	100		
45	1.1	8.3	12.5#
61	0.7	7.4	11.2#
70	2.7	5.5	8.3#



#26
Hexane
Concen: 0.497 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036258.D
Acq: 20 Jan 2021 22:43

Tgt Ion:	57	Resp:	69790
Ion	Ratio	Lower	Upper
57	100		
41	111.3	83.0	124.6
43	79.4	202.4	303.6#
56	64.6	43.4	65.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VL036258.D

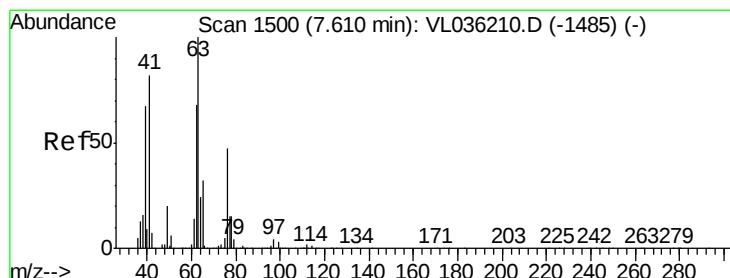
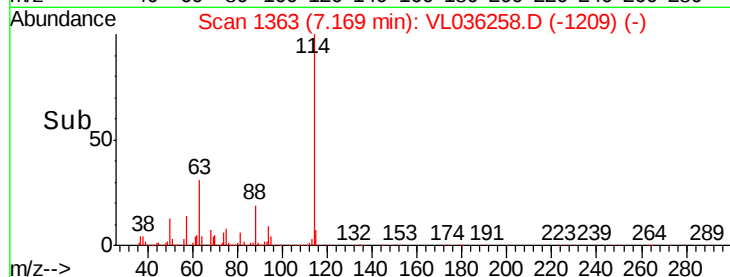
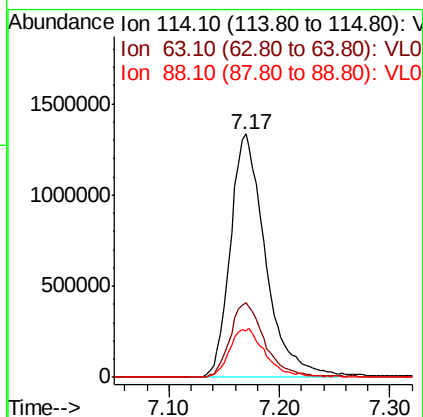
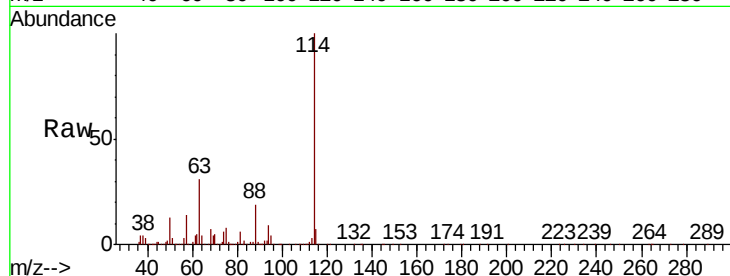
Acq: 20 Jan 2021 22:43

Instrument :
MSVOA_L

ClientSampleId :
QC010521 CAN 10266

Tot Ion:114 Resp: 2954026

Ion	Ratio	Lower	Upper
114	100		
63	30.8	24.7	37.1
88	20.6	16.6	24.8



#39

1,2-Dichloropropane

Concen: 8.063 ppbv

RT: 7.17 min Scan# 1363

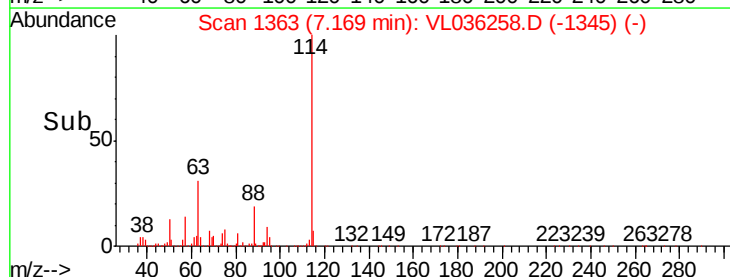
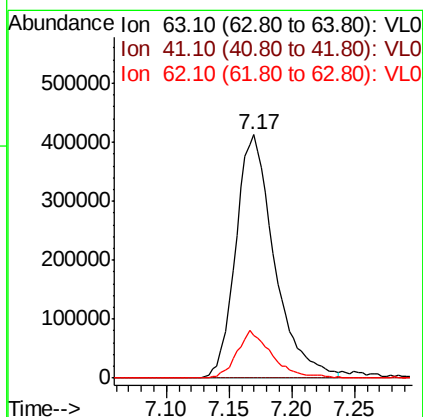
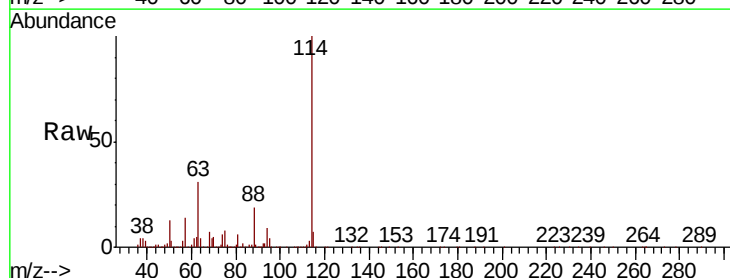
Delta R.T. -0.44 min

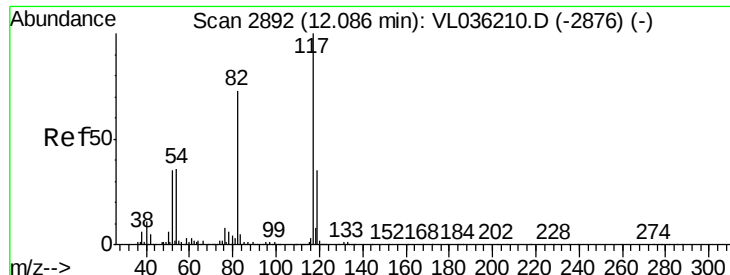
Lab File: VL036258.D

Acq: 20 Jan 2021 22:43

Tgt Ion: 63 Resp: 886113

Ion	Ratio	Lower	Upper
63	100		
41	0.1	66.1	99.1#
62	17.4	54.8	82.2#

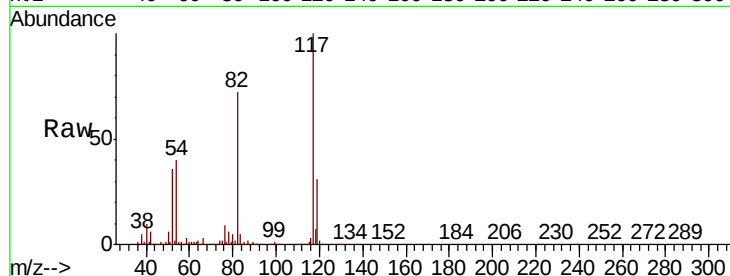




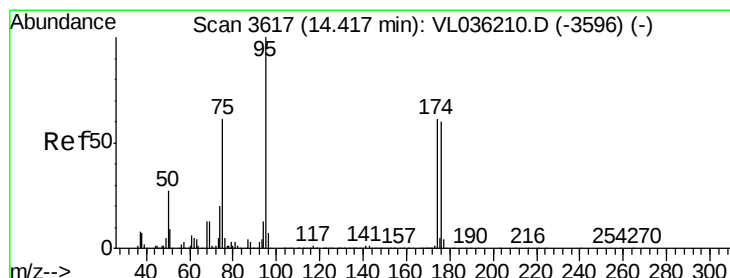
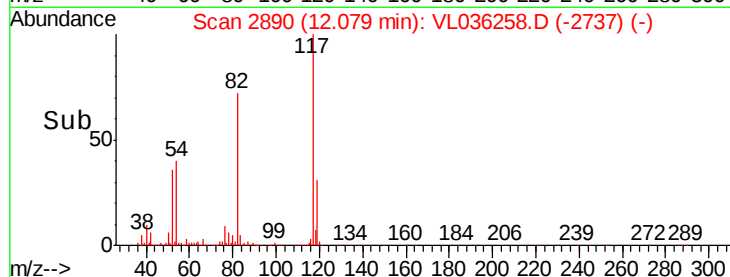
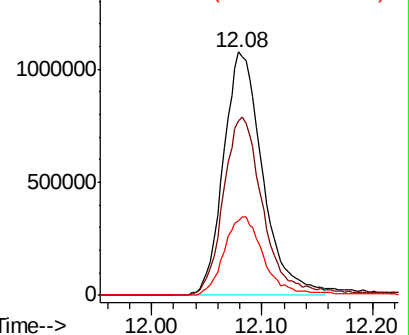
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036258.D
Acq: 20 Jan 2021 22:43

Instrument :
MSVOA_L
ClientSampleId :
QC010521 CAN 10266

Tot Ion:117 Resp: 2650684
Ion Ratio Lower Upper
117 100
82 76.5 59.7 89.5
119 33.6 28.6 43.0

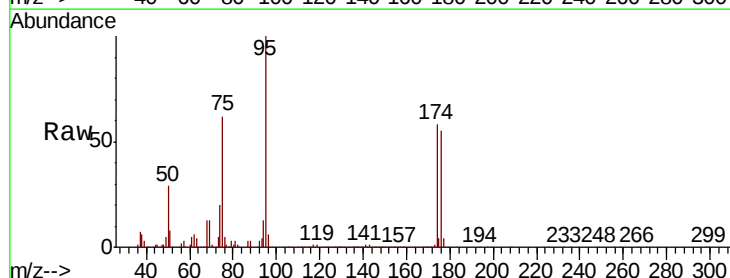


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.601 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.00 min
Lab File: VL036258.D
Acq: 20 Jan 2021 22:43

Tgt Ion: 95 Resp: 2106524
Ion Ratio Lower Upper
95 100
174 64.8 49.4 74.0
175 4.5 3.8 5.8



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

