

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037658.D
 Acq On : 23 Sep 2021 12:17
 Operator : SY/AP
 Sample : CAN 10597
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:35:57 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1333145	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3983051	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3351036	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2369954	9.79	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

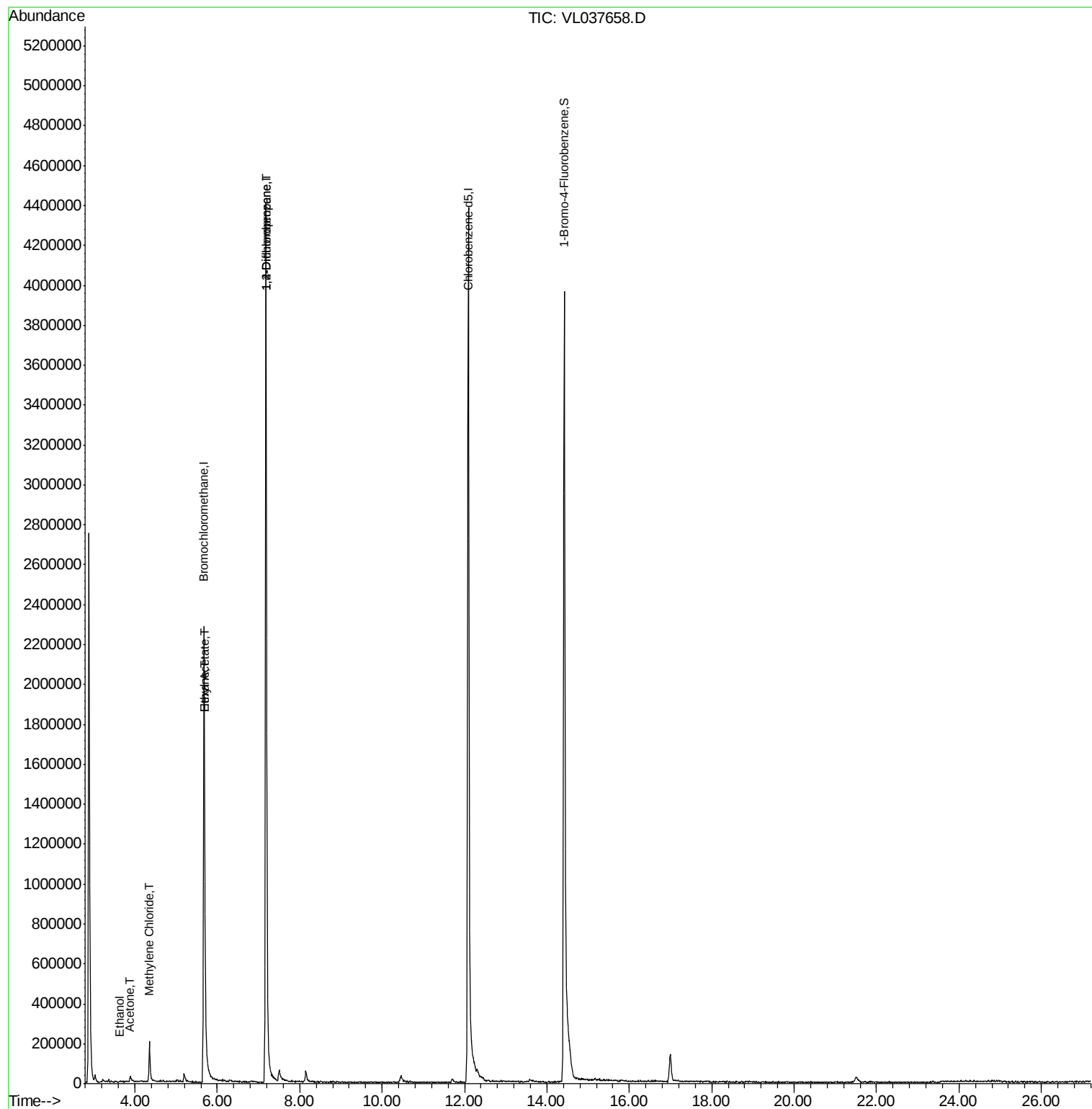
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	473	0.055	ppbv #	33
15) Acetone	3.87	43	5112	0.037	ppbv #	44
20) Methylene Chloride	4.35	84	67919	1.027	ppbv	90
25) Ethyl Acetate	5.70	43	32699	0.097	ppbv #	79
26) Hexane	5.70	57	66706	0.419	ppbv #	43
39) 1,2-Dichloropropane	7.18	63	938468	7.377	ppbv #	28

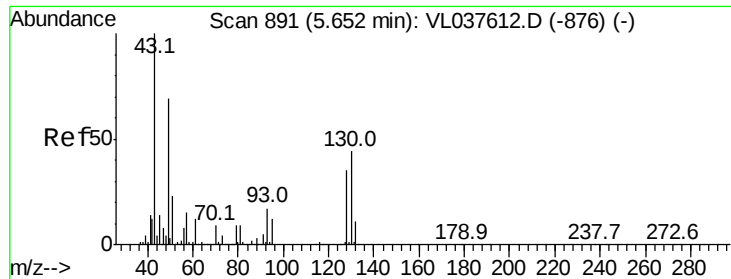
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092321\
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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.02 min

Lab File: VL037658.D

Acq: 23 Sep 2021 12:17

Instrument :
MSVOA_L
ClientSampled :

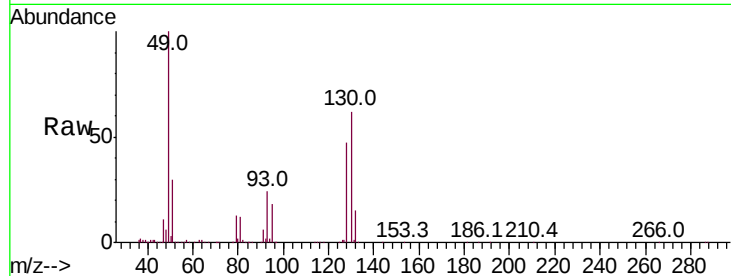
Tot Ion: 49 Resp: 1333145

Ion Ratio Lower Upper

49 100

128 54.5 27.9 83.6

130 70.6 33.9 101.7



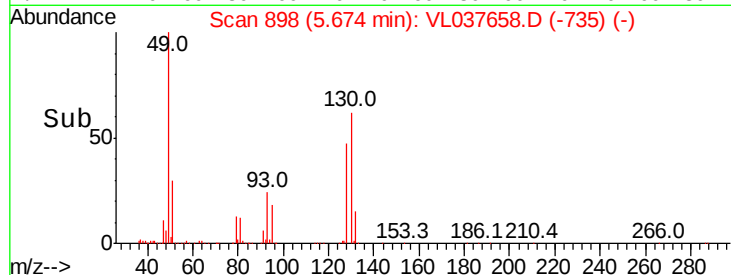
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



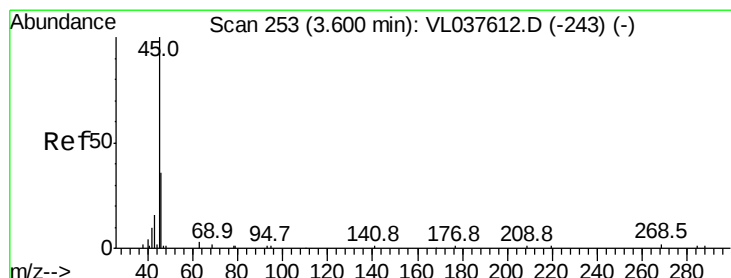
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#13

Ethanol

Concen: 0.055 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037658.D

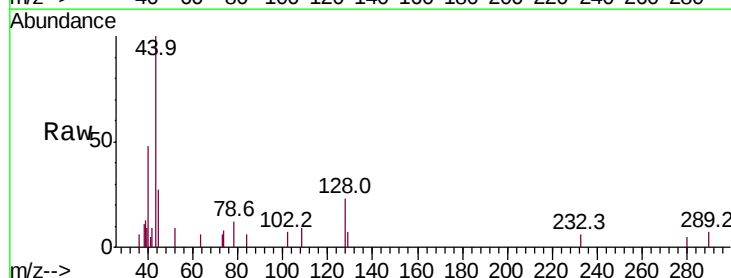
Acq: 23 Sep 2021 12:17

Tgt Ion: 45 Resp: 473

Ion Ratio Lower Upper

45 100

46 0.0 17.2 68.8#

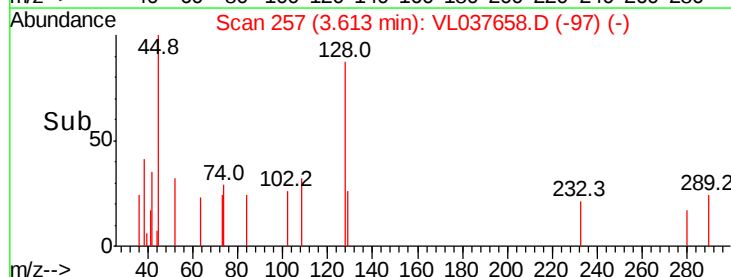


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.61

Time-->

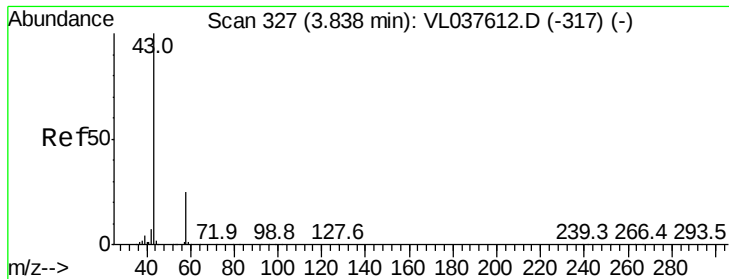


Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.61

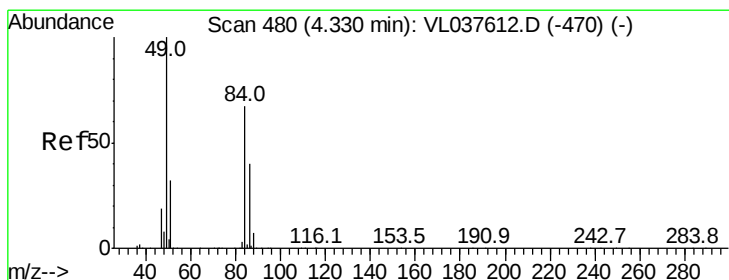
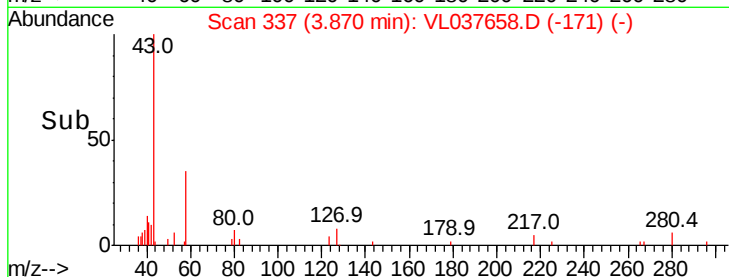
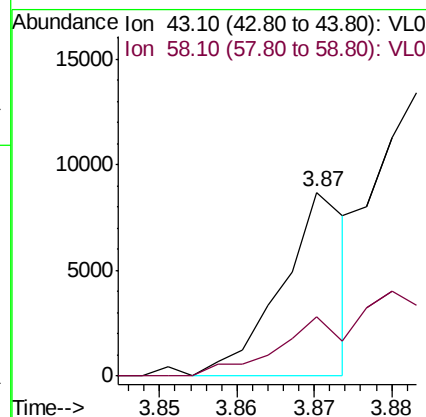
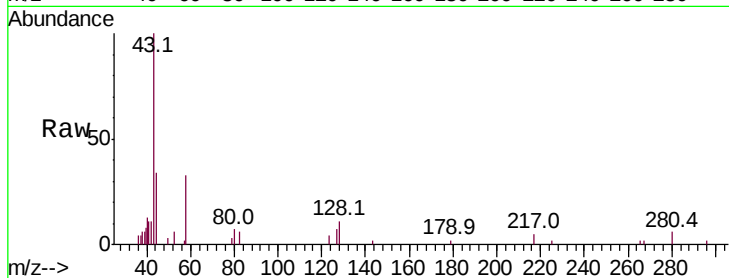
Time-->



#15
Acetone
Concen: 0.037 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.03 min
Lab File: VL037658.D
Acq: 23 Sep 2021 12:17

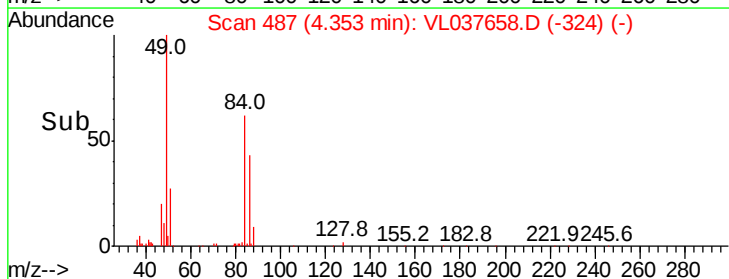
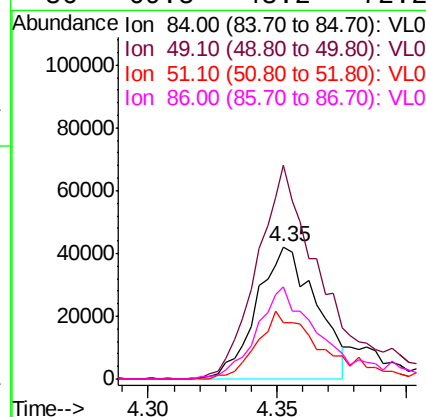
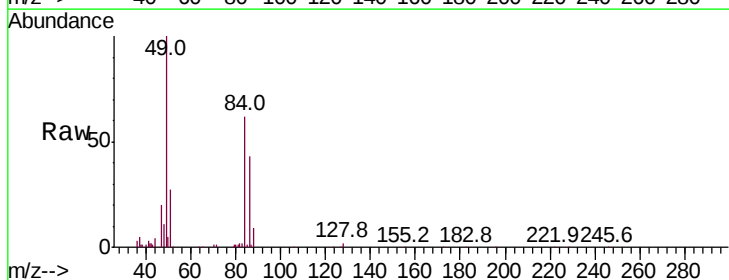
Instrument :
MSVOA_L
ClientSampleId :

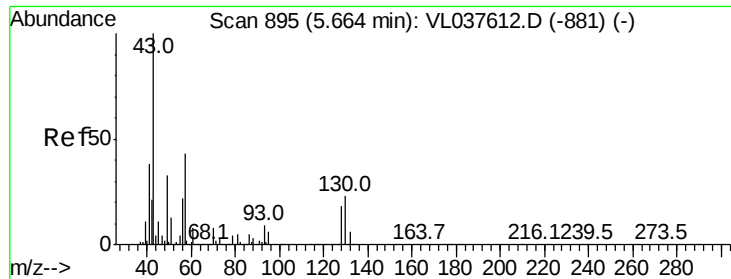
Tot Ion: 43 Resp: 5112
Ion Ratio Lower Upper
43 100
58 0.0 24.9 37.3#



#20
Methylene Chloride
Concen: 1.027 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.02 min
Lab File: VL037658.D
Acq: 23 Sep 2021 12:17

Tgt Ion: 84 Resp: 67919
Ion Ratio Lower Upper
84 100
49 161.6 120.0 180.0
51 41.9 38.0 57.0
86 69.5 48.2 72.2





#25

Ethyl Acetate

Concen: 0.097 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.03 min

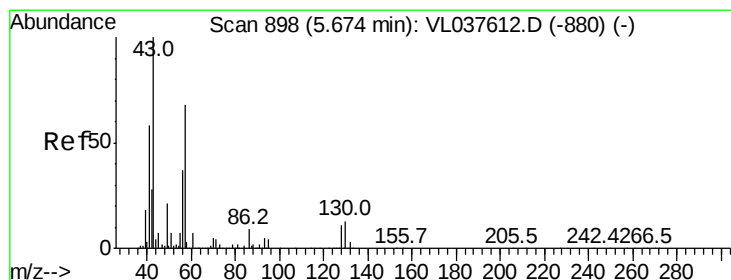
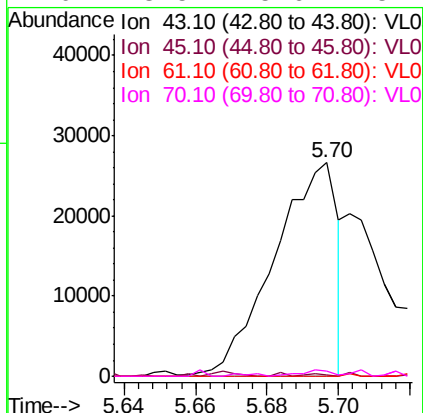
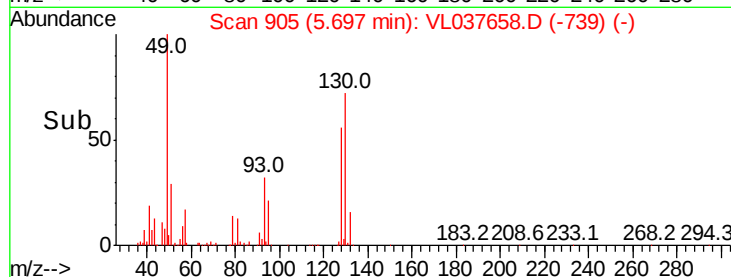
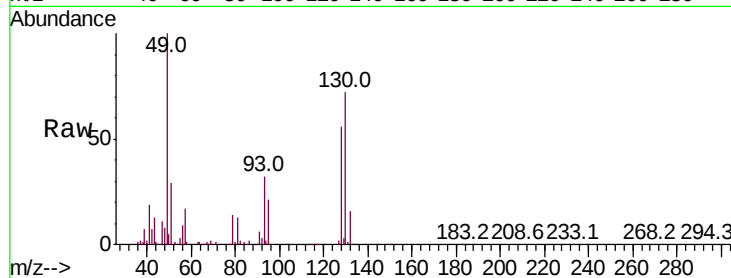
Lab File: VL037658.D

Acq: 23 Sep 2021 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 32699

Ion	Ratio	Lower	Upper
43	100		
45	1.5	8.0	12.0#
61	0.0	7.5	11.3#
70	3.5	5.6	8.4#



#26

Hexane

Concen: 0.419 ppbv

RT: 5.70 min Scan# 905

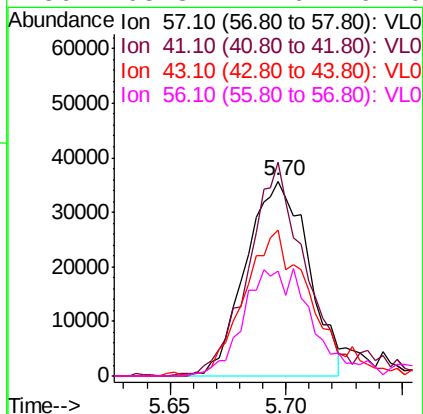
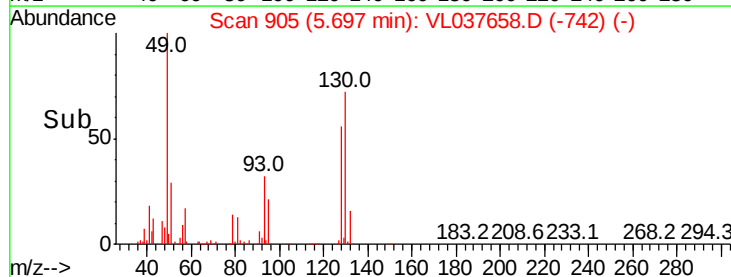
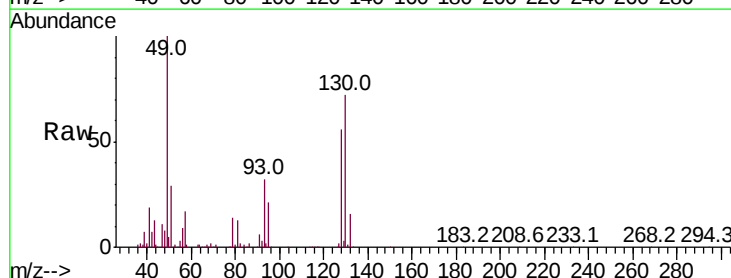
Delta R.T. 0.02 min

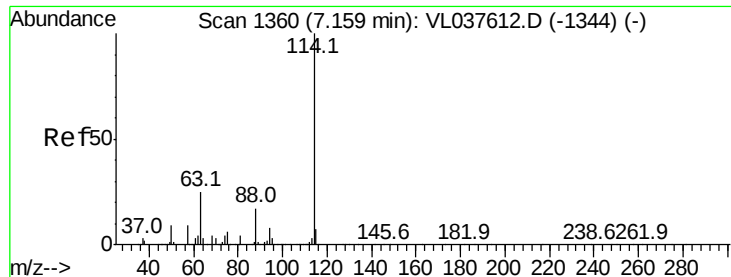
Lab File: VL037658.D

Acq: 23 Sep 2021 12:17

Tgt Ion: 57 Resp: 66706

Ion	Ratio	Lower	Upper
57	100		
41	108.7	70.9	106.3#
43	83.2	170.4	255.6#
56	63.3	42.6	64.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.02 min

Lab File: VL037658.D

Acq: 23 Sep 2021 12:17

Instrument :

MSVOA_L

ClientSampleId :

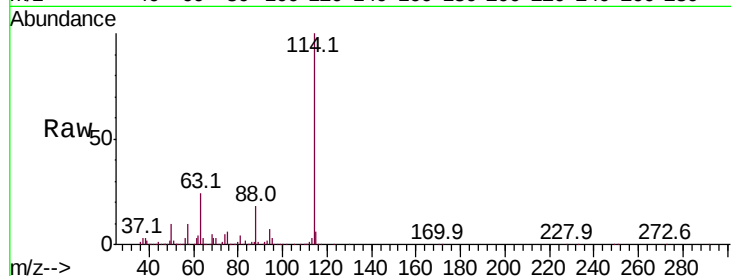
Tot Ion:114 Resp: 3983051

Ion Ratio Lower Upper

114 100

63 23.7 19.6 29.4

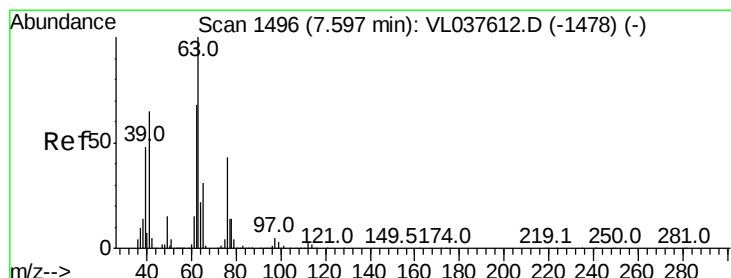
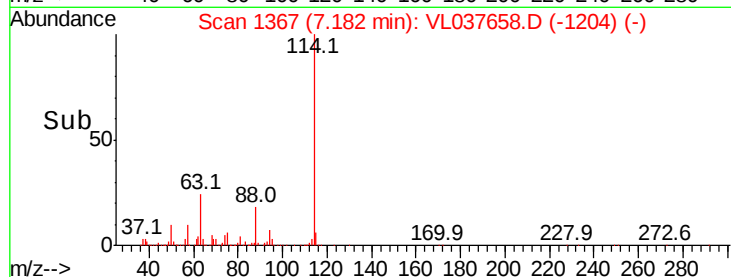
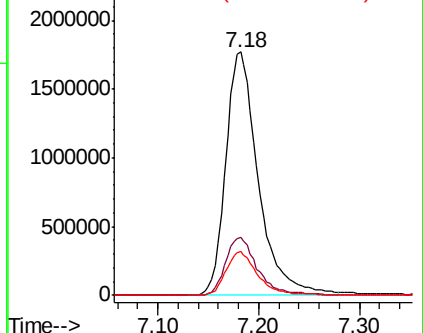
88 17.9 14.2 21.4



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: 7.377 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.41 min

Lab File: VL037658.D

Acq: 23 Sep 2021 12:17

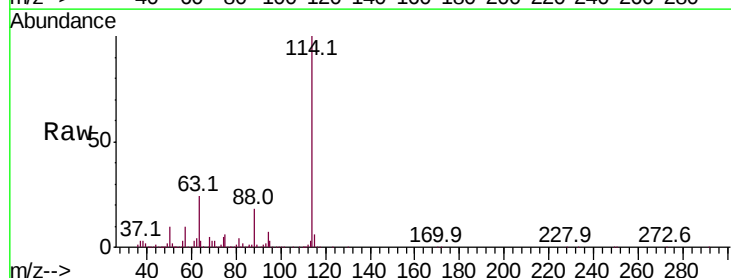
Tgt Ion: 63 Resp: 938468

Ion Ratio Lower Upper

63 100

41 0.1 51.6 77.4#

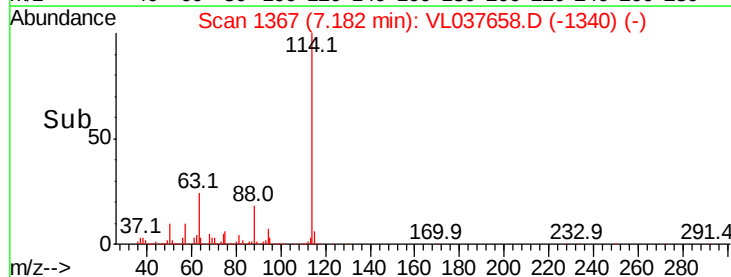
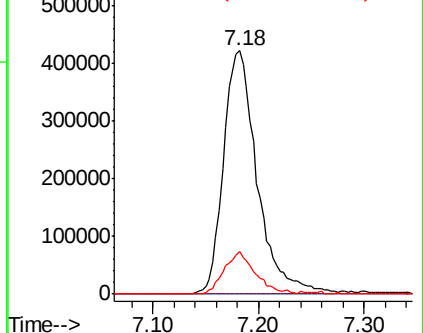
62 17.6 54.6 81.8#

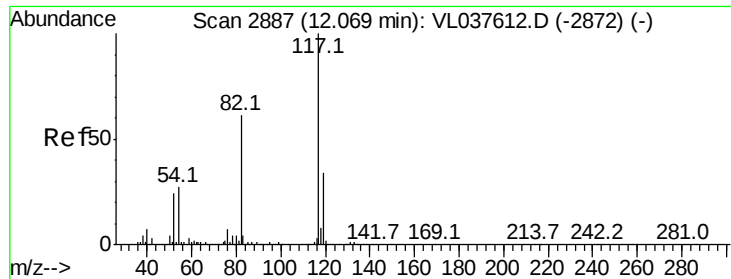


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

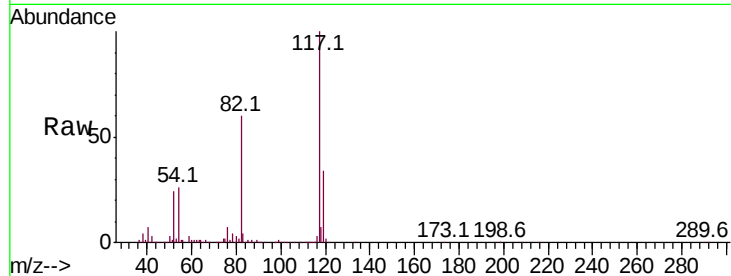




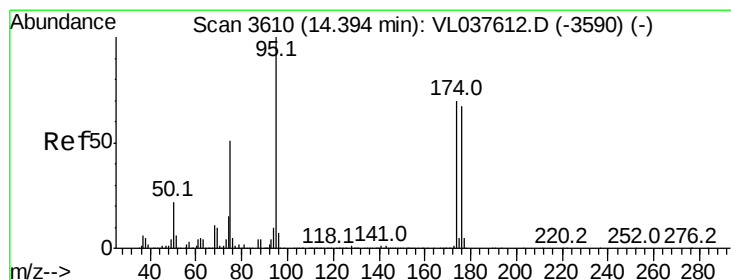
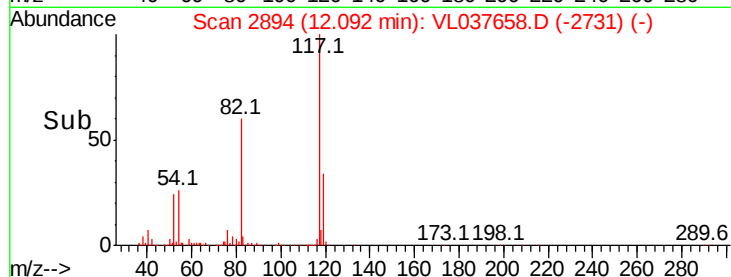
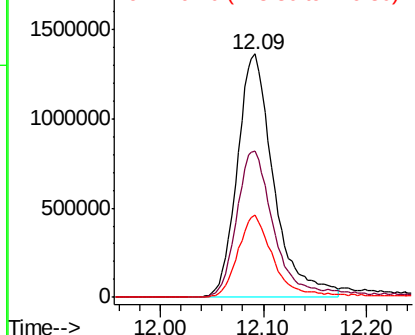
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.02 min
Lab File: VL037658.D
Acq: 23 Sep 2021 12:17

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3351036
Ion Ratio Lower Upper
117 100
82 63.7 50.6 75.8
119 33.8 26.2 39.2

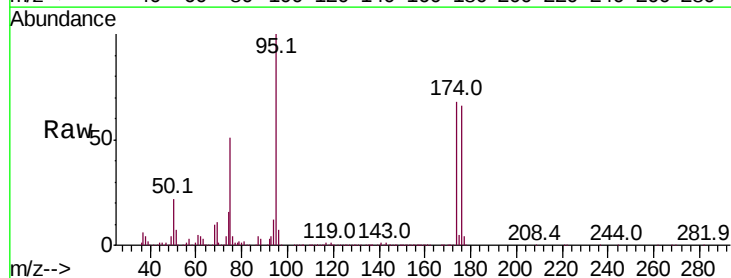


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.786 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.03 min
Lab File: VL037658.D
Acq: 23 Sep 2021 12:17

Tgt Ion: 95 Resp: 2369954
Ion Ratio Lower Upper
95 100
174 75.7 56.3 84.5
175 5.3 4.4 6.6



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

