

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090721\
 Data File : VL037546.D
 Acq On : 7 Sep 2021 12:11
 Operator : SY/AP
 Sample : CAN 10054
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10054

Quant Time: Sep 08 11:10:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1672238	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	5028023	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4423572	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3209547	10.21	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

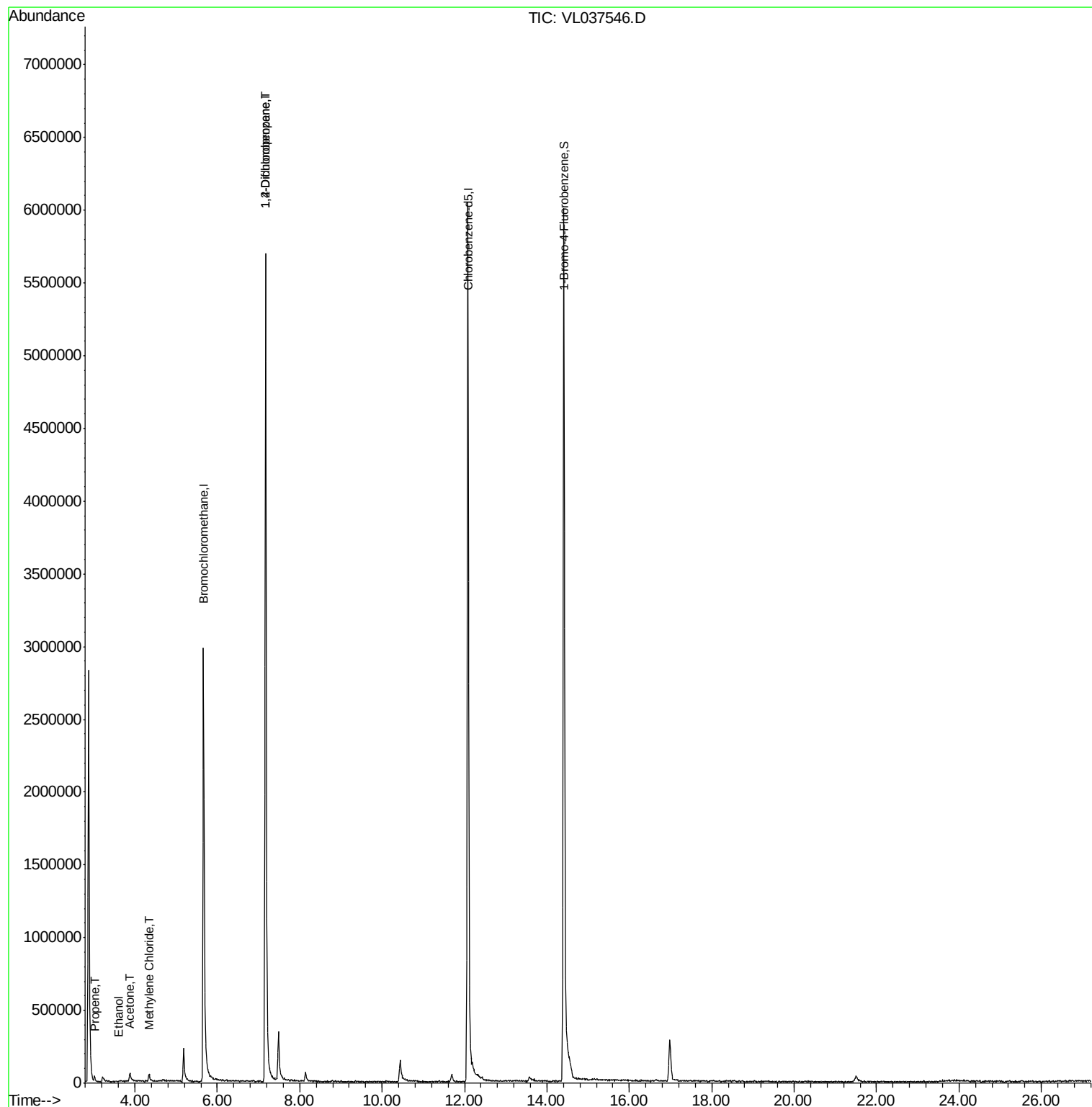
Target Compounds					Ovalue
9) Propene	3.02	41	5452	0.048 ppbv #	16
13) Ethanol	3.61	45	396	0.036 ppbv #	39
15) Acetone	3.87	43	14269	0.084 ppbv #	44
20) Methylene Chloride	4.34	84	8575	0.101 ppbv #	74
39) 1,2-Dichloropropane	7.17	63	1170090	7.204 ppbv #	27

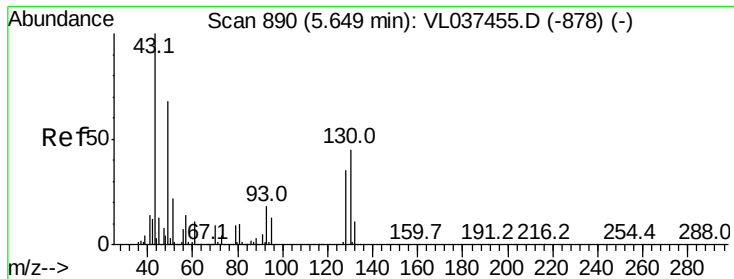
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.02 min

Lab File: VL037546.D

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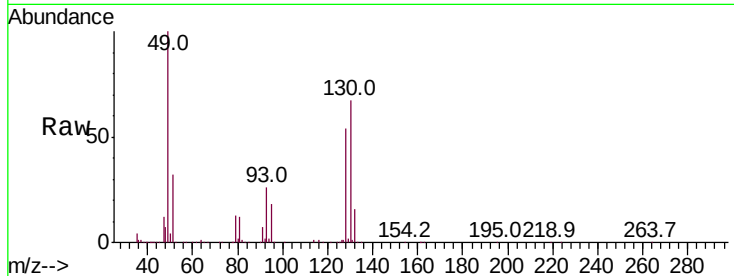
Tot Ion: 49 Resp: 1672238

Ion Ratio Lower Upper

49 100

128 55.6 27.5 82.4

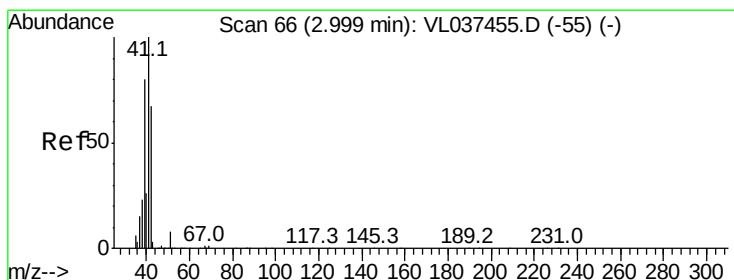
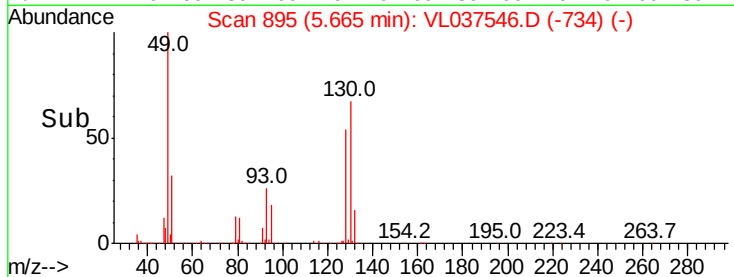
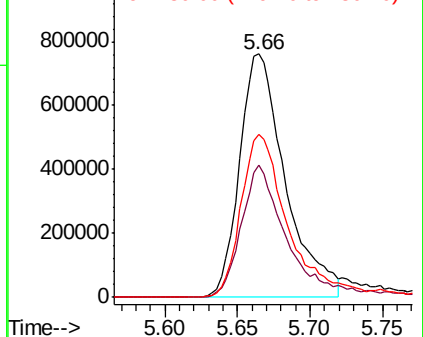
130 71.4 34.0 101.8



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



#9

Propene

Concen: 0.048 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037546.D

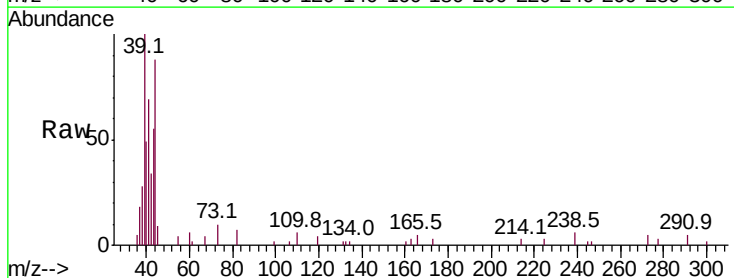
Acq: 7 Sep 2021 12:11

Tgt Ion: 41 Resp: 5452

Ion Ratio Lower Upper

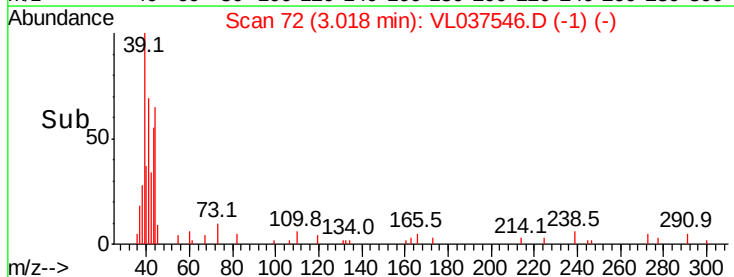
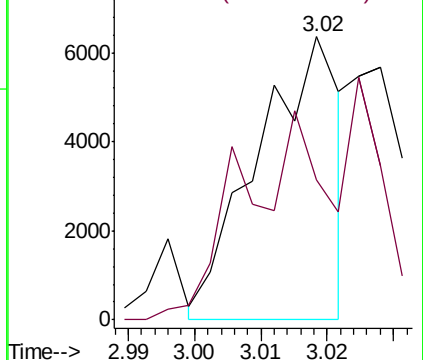
41 100

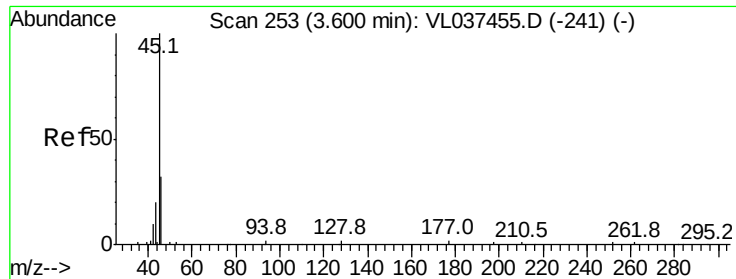
42 0.0 53.7 80.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

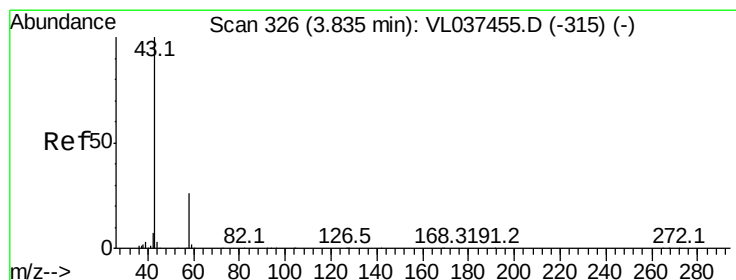
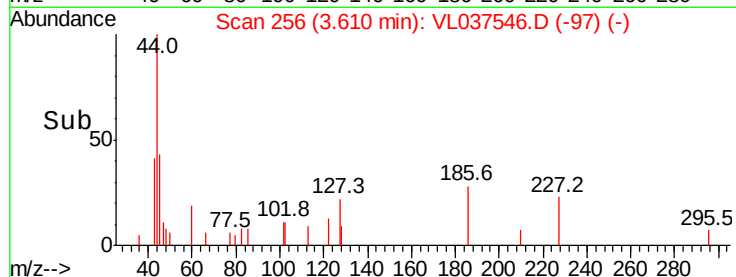
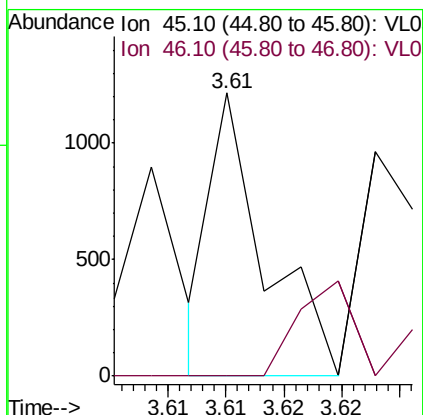
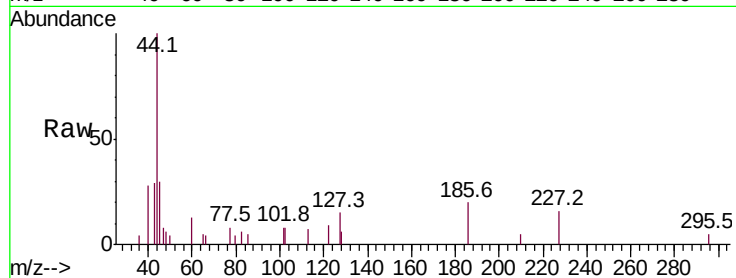




#13
Ethanol
Concen: 0.036 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037546.D
Acq: 7 Sep 2021 12:11

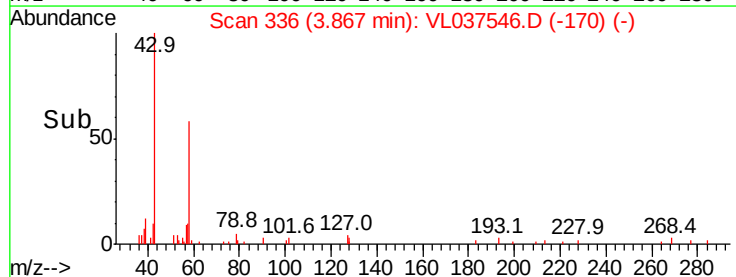
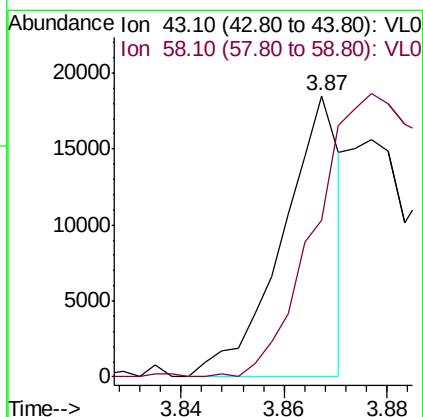
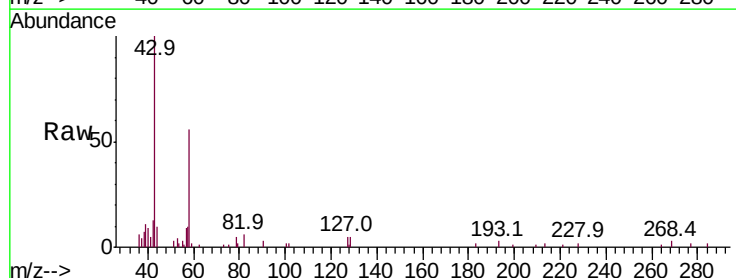
Instrument :
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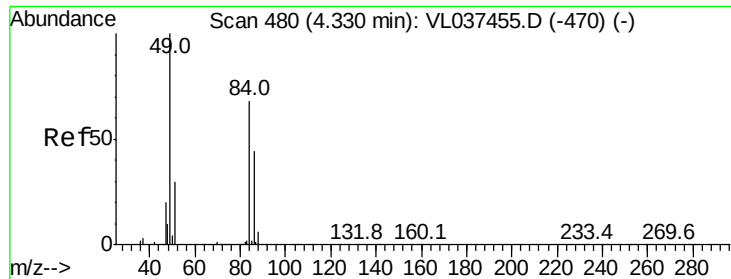
Tot Ion: 45 Resp: 396
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#



#15
Acetone
Concen: 0.084 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.03 min
Lab File: VL037546.D
Acq: 7 Sep 2021 12:11

Tgt Ion: 43 Resp: 14269
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

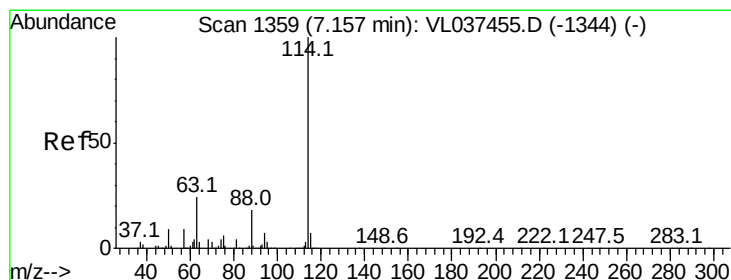
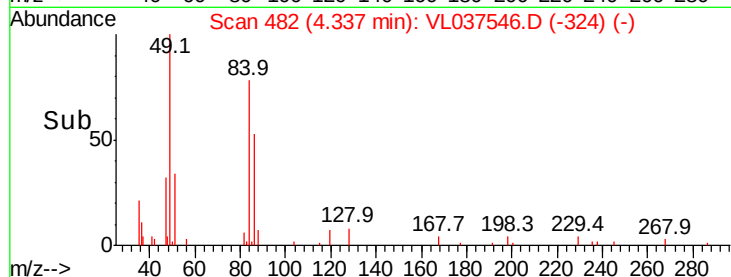
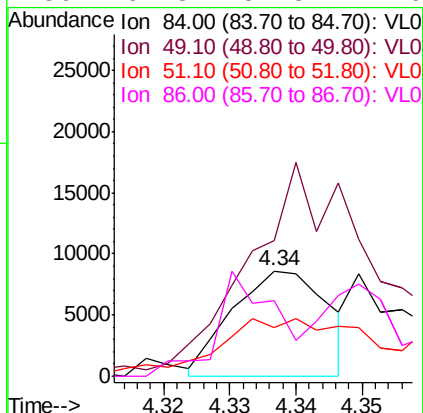
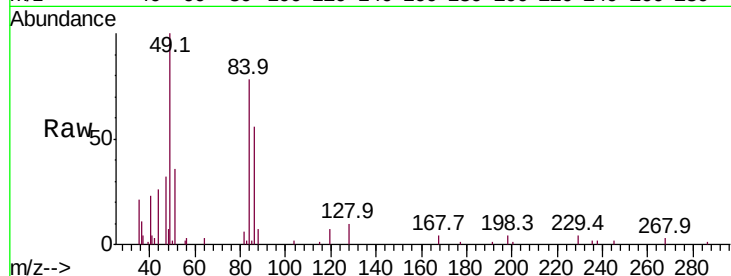




#20
Methylene Chloride
Concen: 0.101 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037546.D
Acq: 7 Sep 2021 12:11

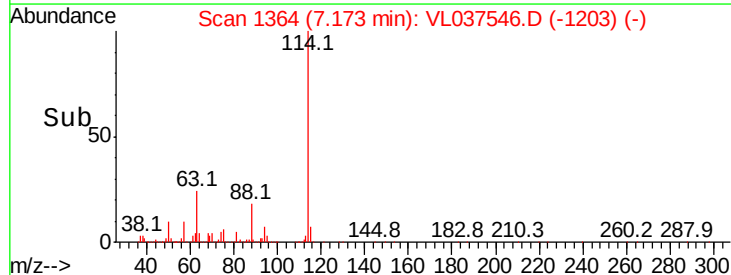
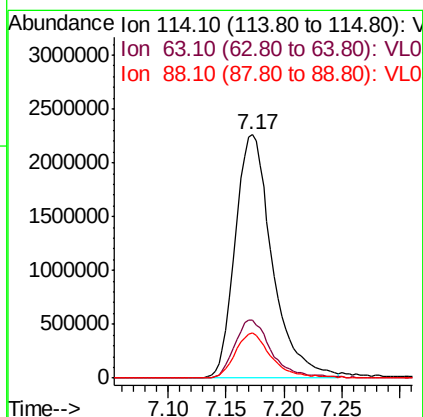
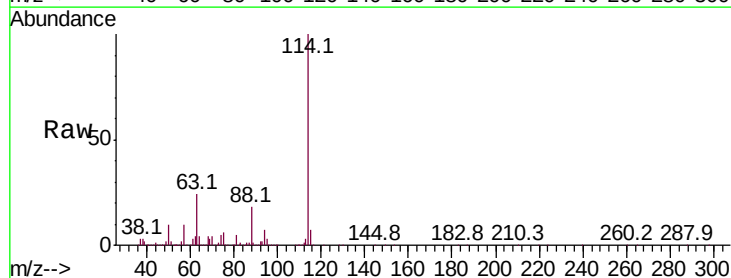
Instrument :
MSVOA_L
ClientSampleId :
CAN 10054

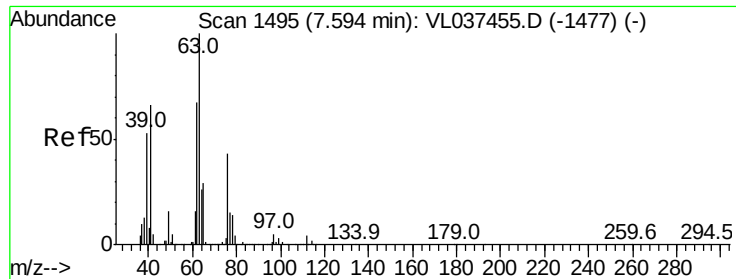
Tot Ion: 84 Resp: 8575
Ion Ratio Lower Upper
84 100
49 100.2 118.2 177.2#
51 34.1 36.6 55.0#
86 61.3 51.8 77.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.02 min
Lab File: VL037546.D
Acq: 7 Sep 2021 12:11

Tgt Ion: 114 Resp: 5028023
Ion Ratio Lower Upper
114 100
63 24.1 19.3 28.9
88 18.3 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.204 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.42 min

Lab File: VL037546.D

Acq: 7 Sep 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

CAN 10054

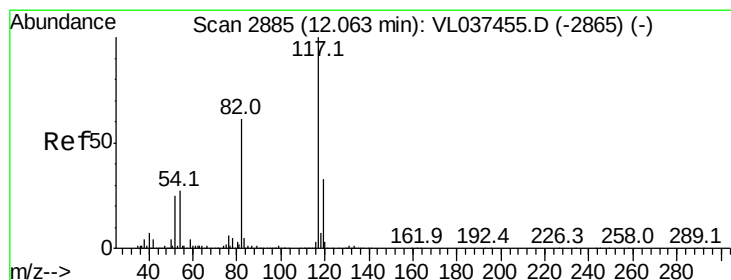
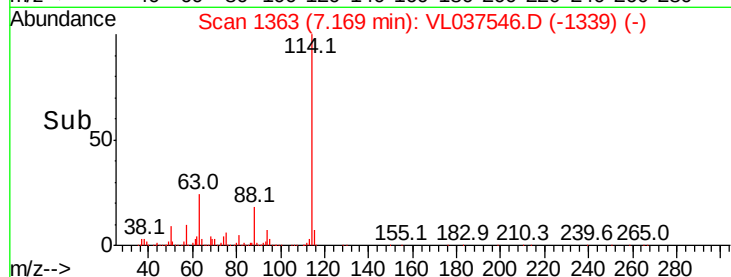
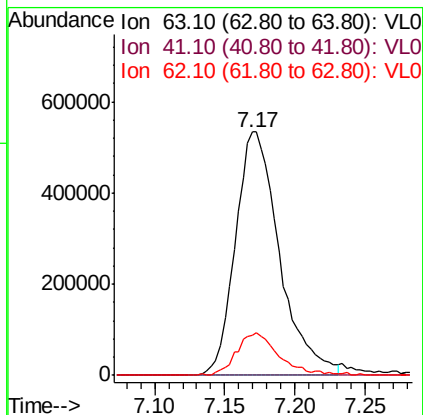
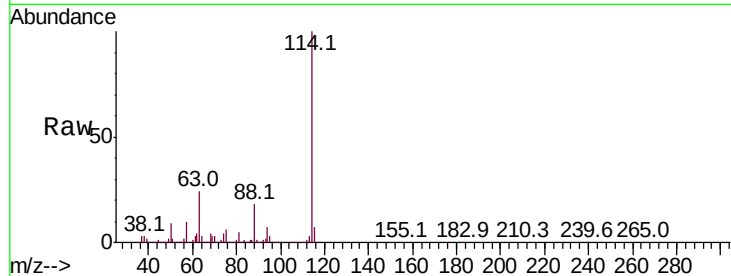
Tot Ion: 63 Resp: 1170090

Ion Ratio Lower Upper

63 100

41 0.0 52.4 78.6#

62 16.4 53.6 80.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. 0.02 min

Lab File: VL037546.D

Acq: 7 Sep 2021 12:11

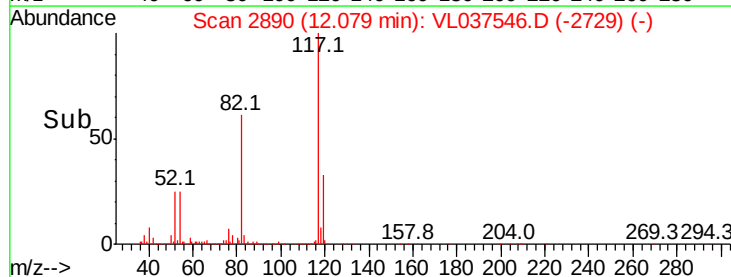
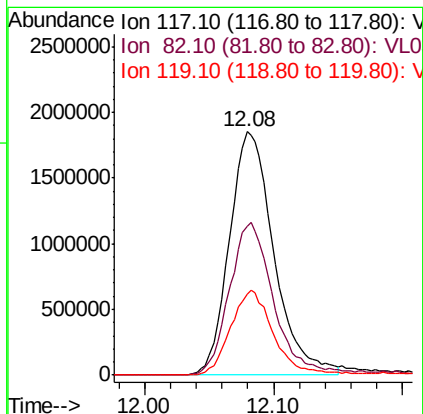
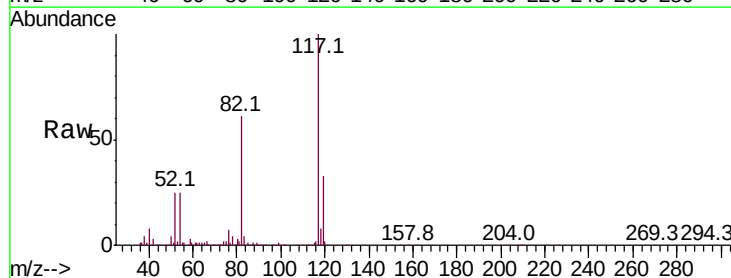
Tgt Ion: 117 Resp: 4423572

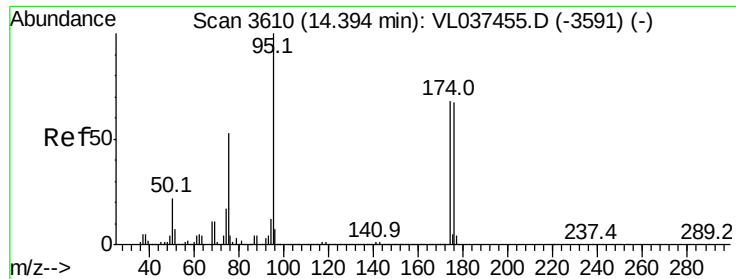
Ion Ratio Lower Upper

117 100

82 64.4 52.9 79.3

119 34.2 24.8 37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.213 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.02 min

Lab File: VL037546.D

Acq: 7 Sep 2021 12:11

Instrument :

MSVOA_L

ClientSampleId :

CAN 10054

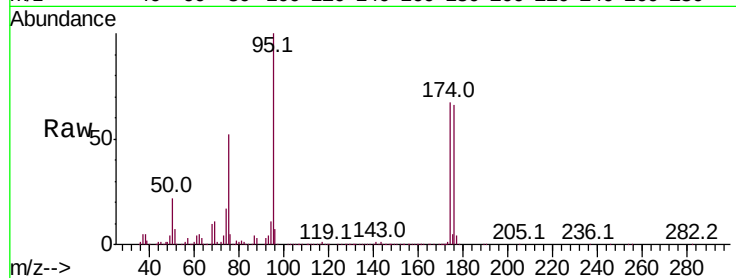
Tot Ion: 95 Resp: 3209547

Ion Ratio Lower Upper

95 100

174 74.7 59.6 89.4

175 5.7 4.6 7.0



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

