

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090821\
 Data File : VL037564.D
 Acq On : 8 Sep 2021 9:29
 Operator : SY/AP
 Sample : VL0908ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0908ABL01

Quant Time: Sep 09 09:10:07 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	5.67	49	1739239	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	5025343	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4465868	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3116283	9.82	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

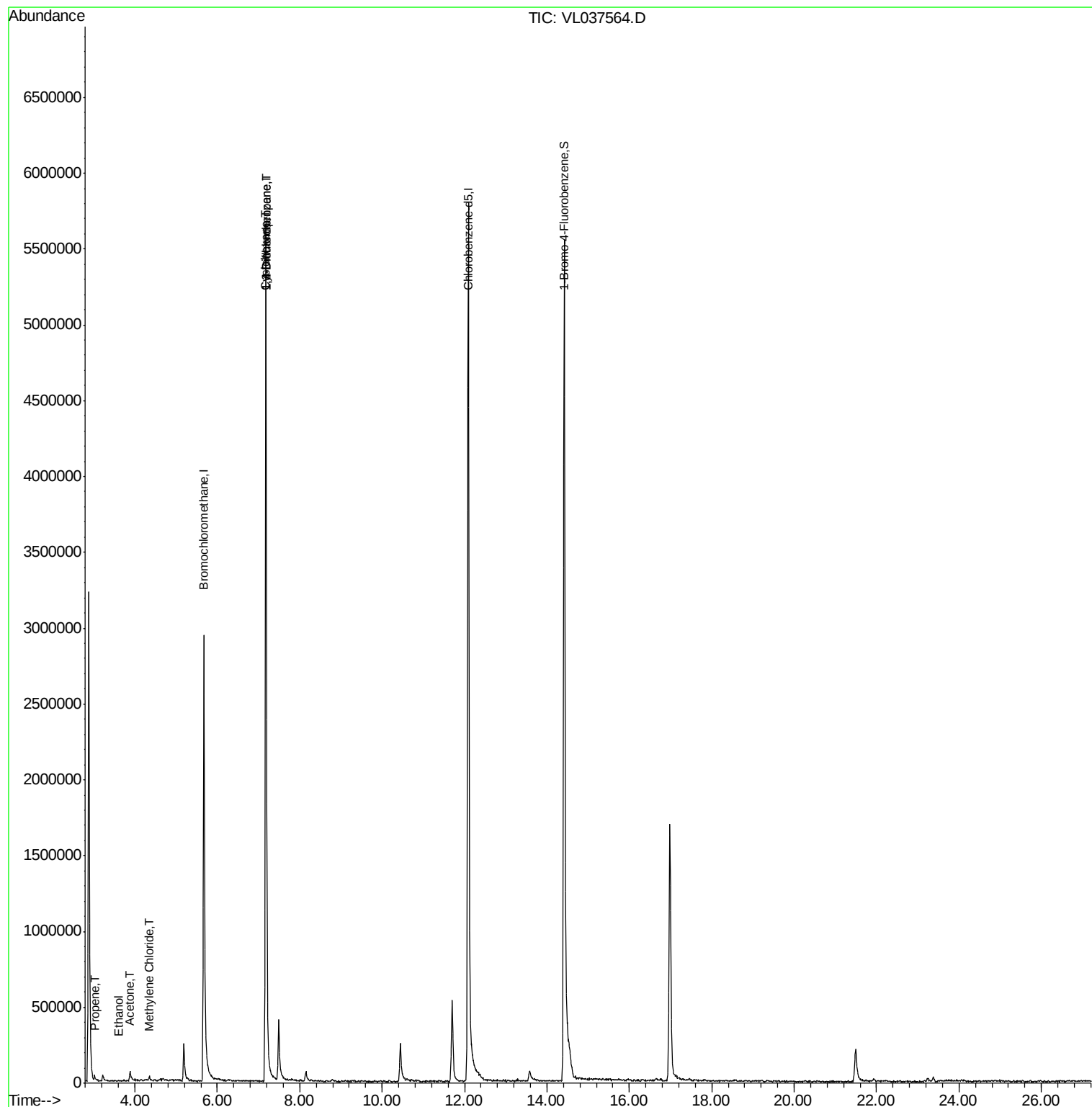
Target Compounds					Ovalue
9) Propene	3.02	41	12165	0.102	ppbv 100
13) Ethanol	3.63	45	1056	0.091	ppbv 77
15) Acetone	3.88	43	41801	0.236	ppbv # 1
20) Methylene Chloride	4.35	84	3392	0.038	ppbv # 69
30) Cyclohexane	7.17	84	5745	0.031	ppbv # 1
39) 1,2-Dichloropropane	7.18	63	1174618	7.236	ppbv # 28

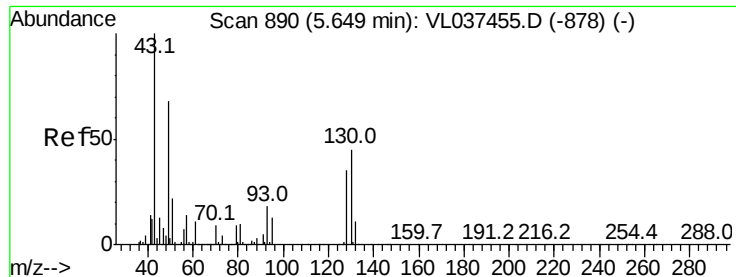
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037564.D

Acq: 8 Sep 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

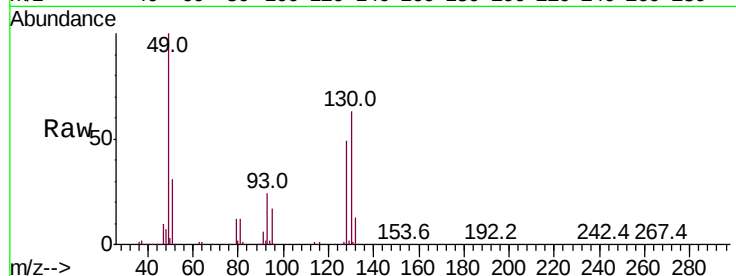
Tot Ion: 49 Resp: 1739239

Ion Ratio Lower Upper

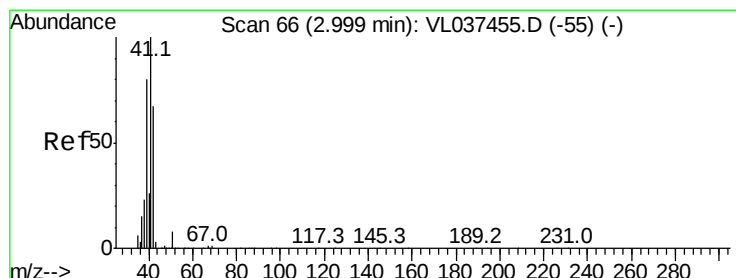
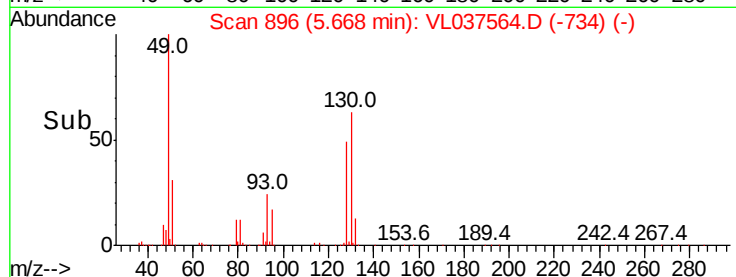
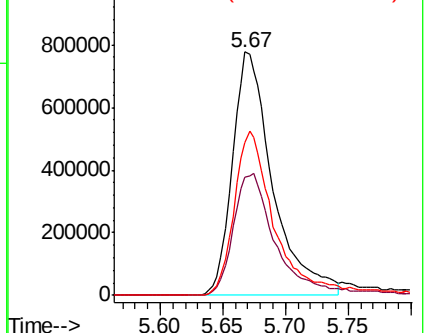
49 100

128 53.5 27.5 82.4

130 70.1 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: 0.102 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.03 min

Lab File: VL037564.D

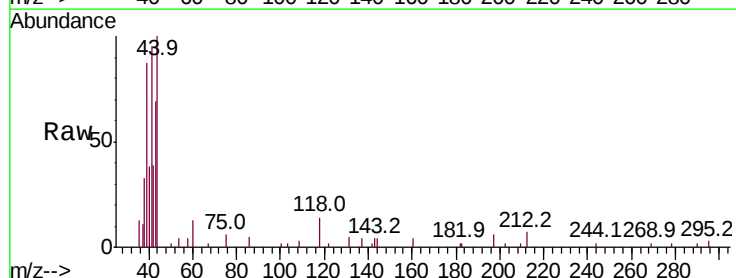
Acq: 8 Sep 2021 9:29

Tgt Ion: 41 Resp: 12165

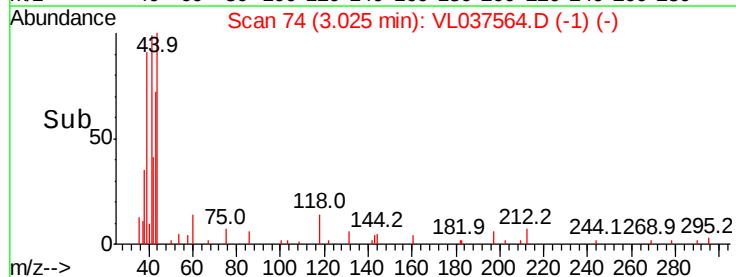
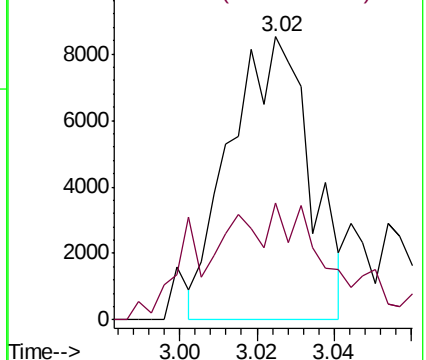
Ion Ratio Lower Upper

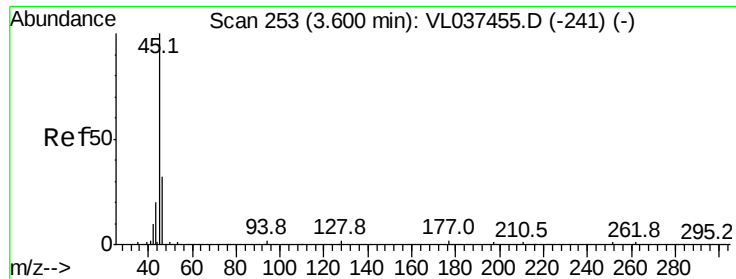
41 100

42 67.5 53.7 80.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

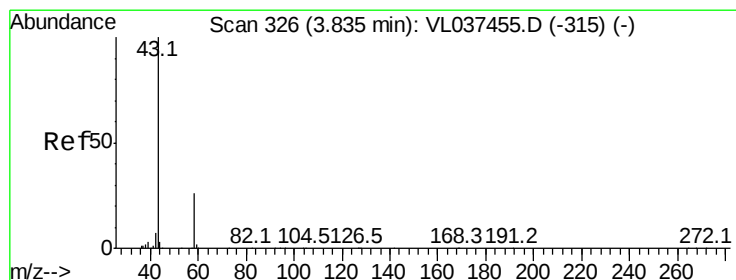
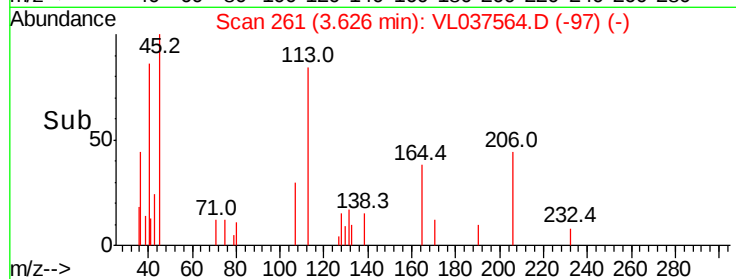
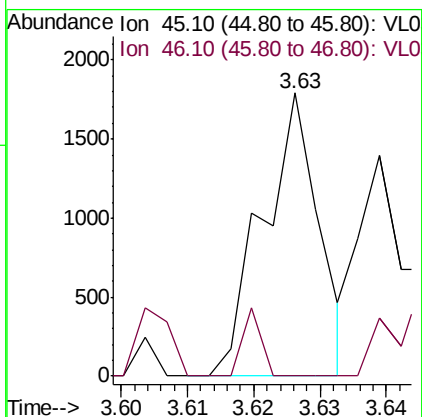
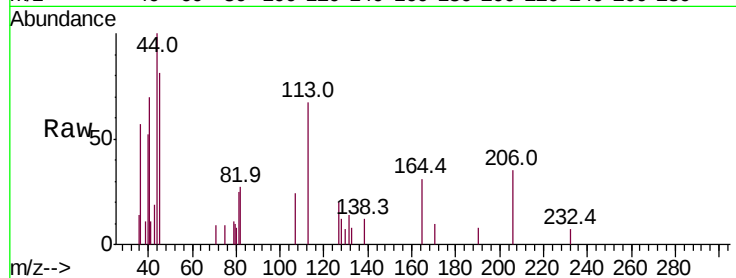




#13
Ethanol
Concen: 0.091 ppbv
RT: 3.63 min Scan# 261
Delta R.T. 0.03 min
Lab File: VL037564.D
Acq: 8 Sep 2021 9:29

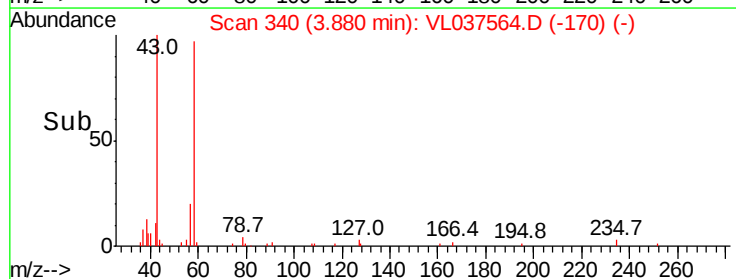
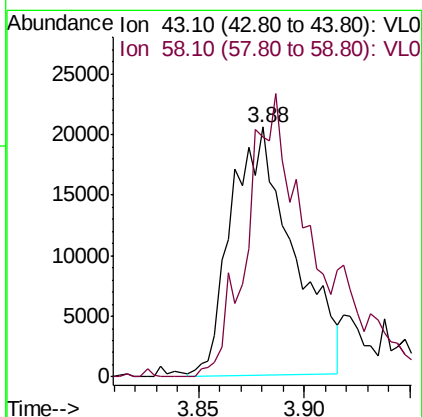
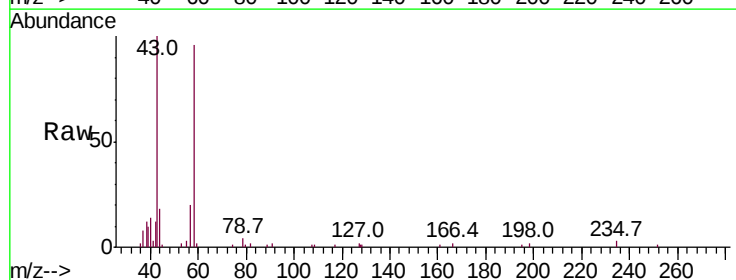
Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

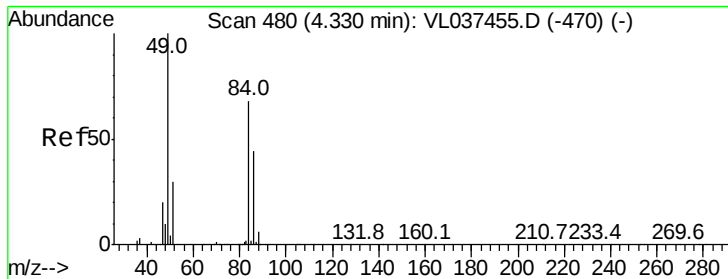
Tot Ion: 45 Resp: 1056
Ion Ratio Lower Upper
45 100
46 22.1 14.1 56.5



#15
Acetone
Concen: 0.236 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.05 min
Lab File: VL037564.D
Acq: 8 Sep 2021 9:29

Tgt Ion: 43 Resp: 41801
Ion Ratio Lower Upper
43 100
58 145.2 24.8 37.2#





#20

Methvlene Chloride

Concen: 0.038 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.02 min

Lab File: VL037564.D

Acq: 8 Sep 2021 9:29

Instrument :

MSVOA_L

ClientSampleId :

VL0908ABL01

Tot Ion: 84 Resp: 3392

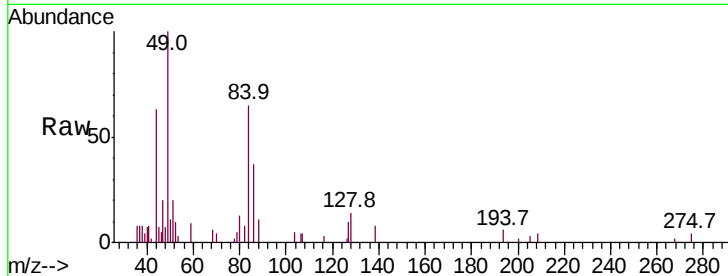
Ion Ratio Lower Upper

84 100

49 115.6 118.2 177.2#

51 42.5 36.6 55.0

86 15.7 51.8 77.6#

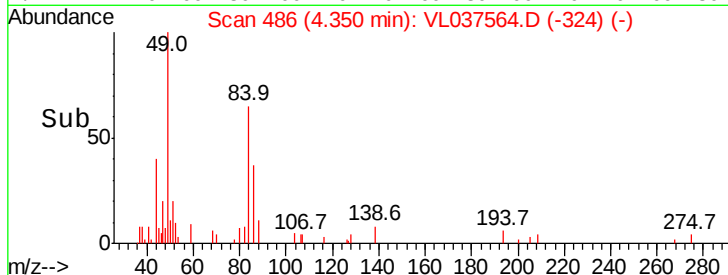
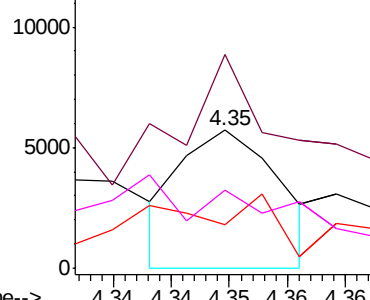


Abundance Ion 84.00 (83.70 to 84.70): VL0

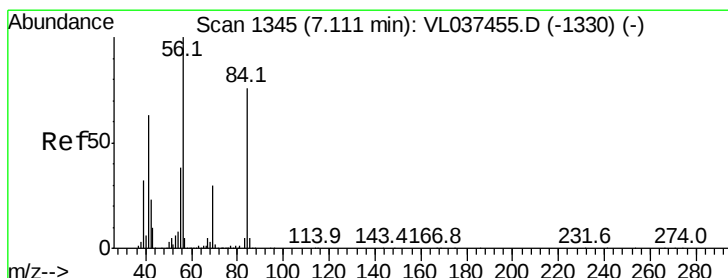
Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



Time-->



#30

Cyclohexane

Concen: 0.031 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. 0.05 min

Lab File: VL037564.D

Acq: 8 Sep 2021 9:29

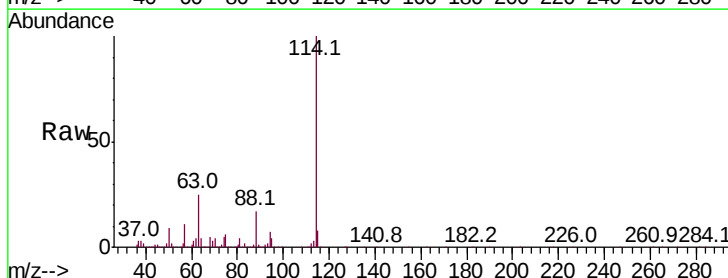
Tgt Ion: 84 Resp: 5745

Ion Ratio Lower Upper

84 100

56 0.0 110.6 165.8#

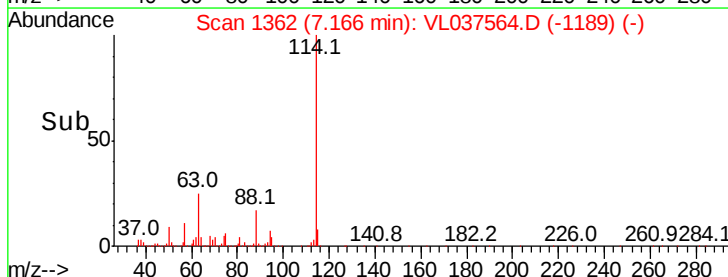
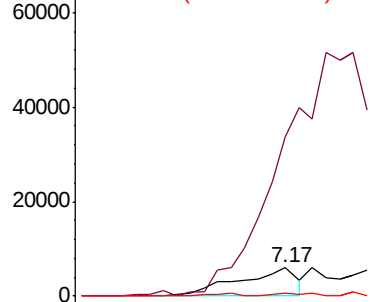
41 0.0 67.0 100.6#

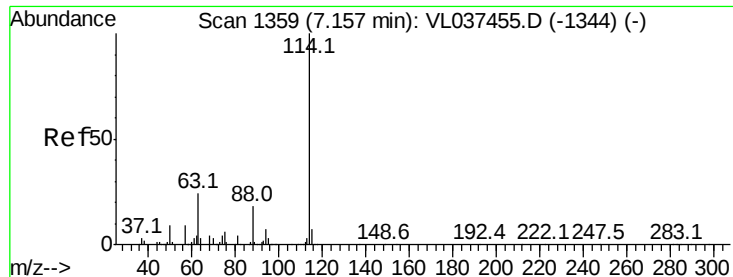


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.02 min

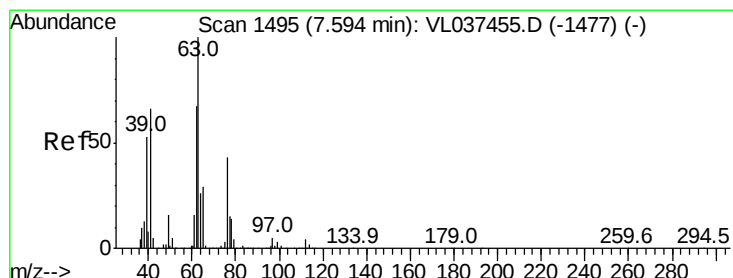
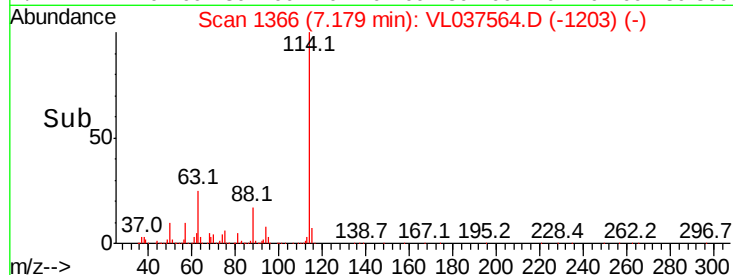
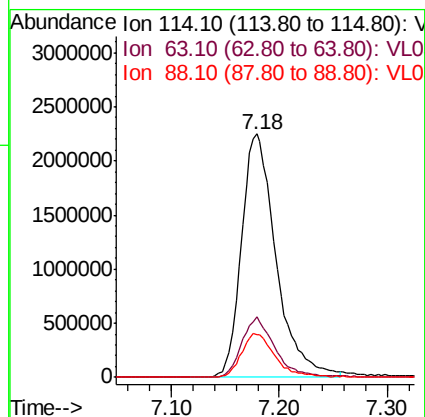
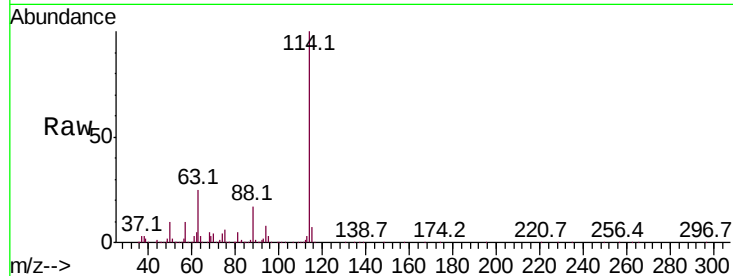
Lab File: VL037564.D

Acq: 8 Sep 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

Tot Ion:114 Resp: 5025343

Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	18.0	14.2	21.4



#39

1,2-Dichloropropane

Concen: 7.236 ppbv

RT: 7.18 min Scan# 1366

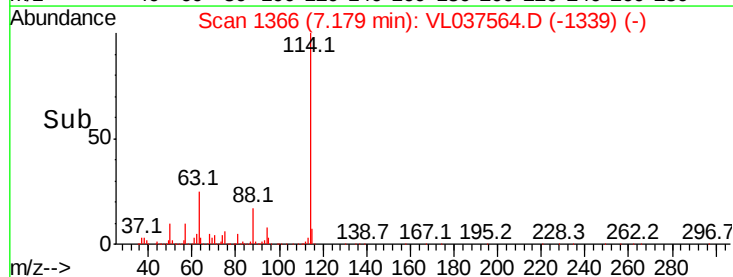
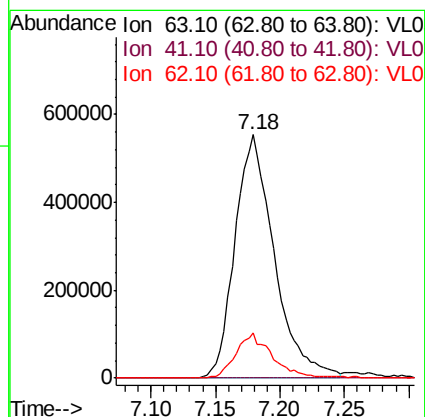
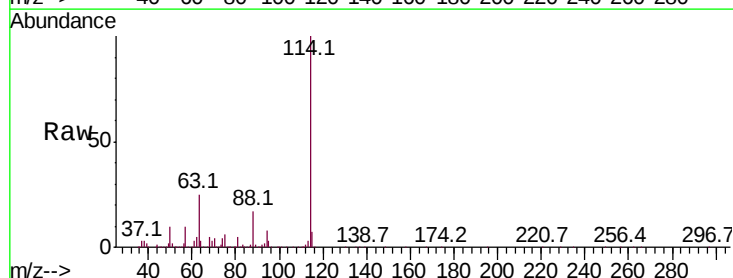
Delta R.T. -0.41 min

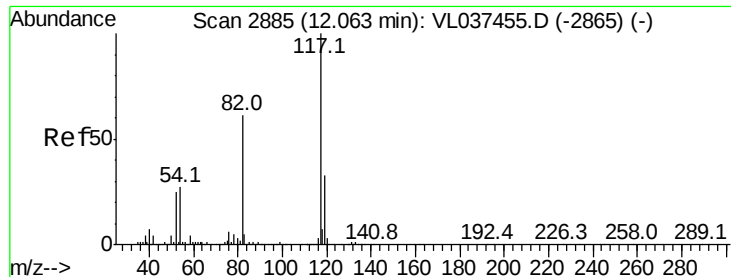
Lab File: VL037564.D

Acq: 8 Sep 2021 9:29

Tgt Ion: 63 Resp: 1174618

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.4	78.6#
62	18.4	53.6	80.4#

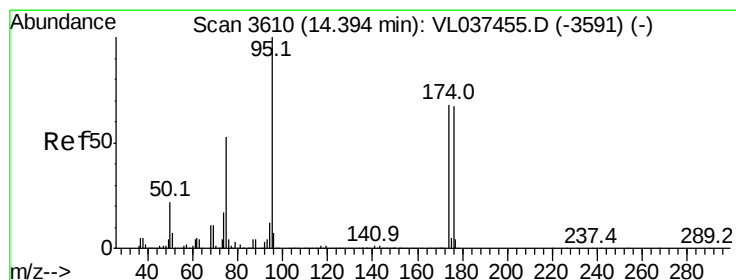
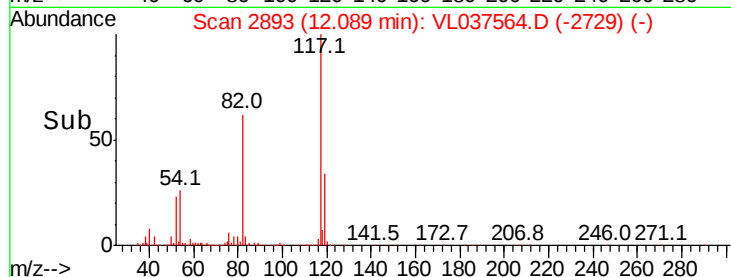
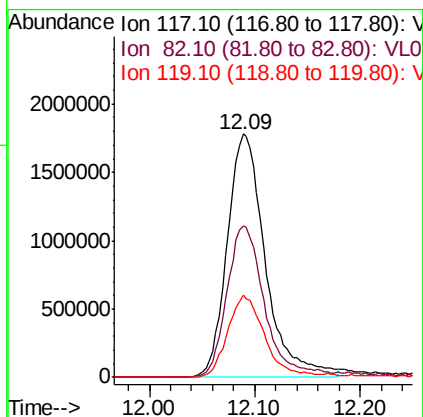
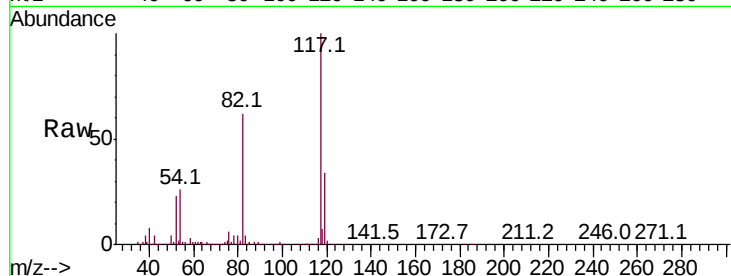




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL037564.D
Acq: 8 Sep 2021 9:29

Instrument :
MSVOA_L
ClientSampleId :
VL0908ABL01

Tot Ion:117 Resp: 4465868
Ion Ratio Lower Upper
117 100
82 63.8 52.9 79.3
119 33.4 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.822 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.02 min
Lab File: VL037564.D
Acq: 8 Sep 2021 9:29

Tgt Ion: 95 Resp: 3116283
Ion Ratio Lower Upper
95 100
174 76.6 59.6 89.4
175 5.7 4.6 7.0

