

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037661.D
 Acq On : 23 Sep 2021 14:09
 Operator : SY/AP
 Sample : CAN 10592
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:36:15 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	1480446	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4402589	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3720779	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2685140	9.99	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

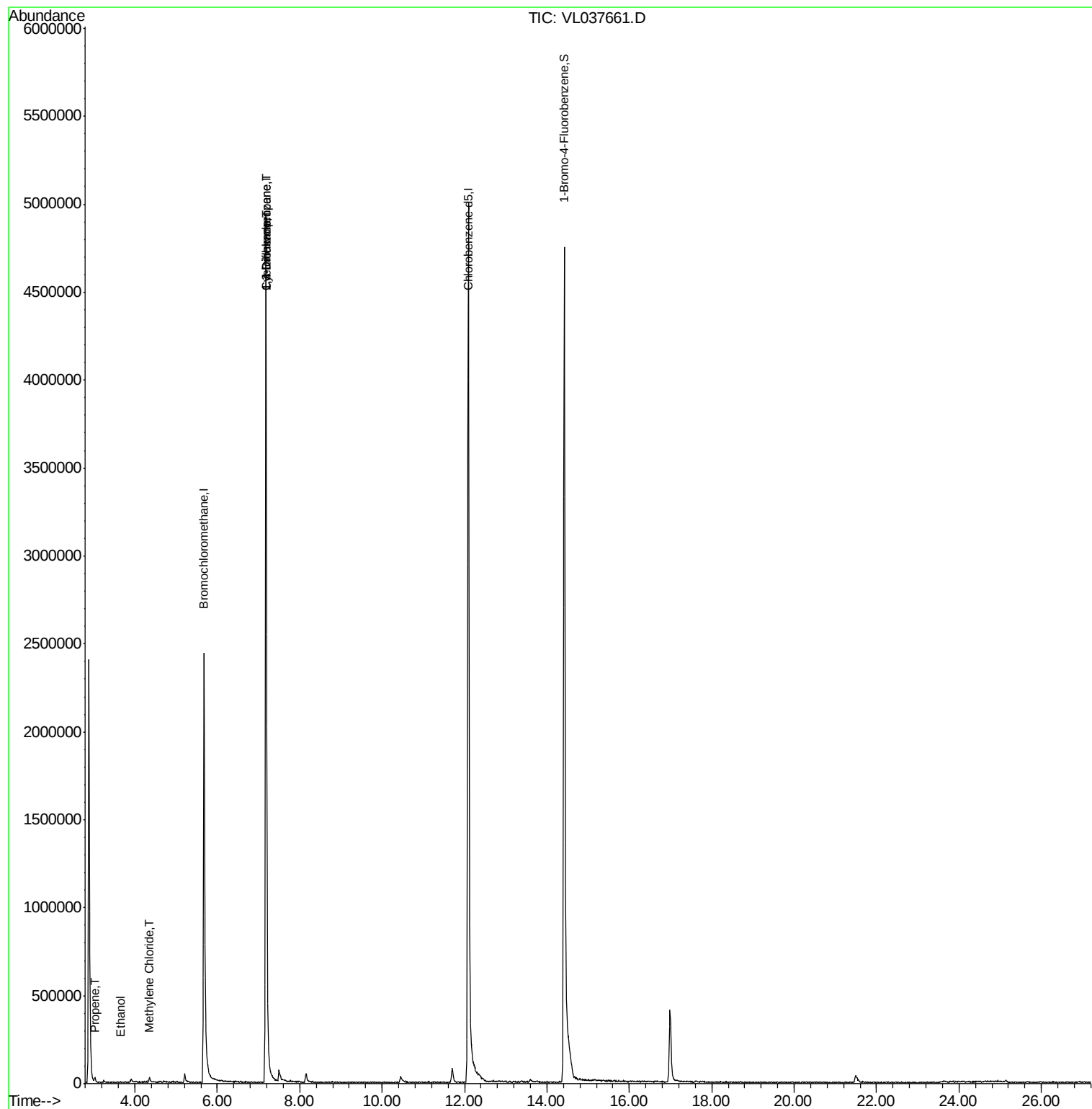
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3553	0.036	ppbv #	14
13) Ethanol	3.64	45	576	0.060	ppbv #	20
20) Methylene Chloride	4.35	84	5153	0.070	ppbv #	84
30) Cyclohexane	7.17	84	6944	0.046	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	1025979	7.296	ppbv #	28

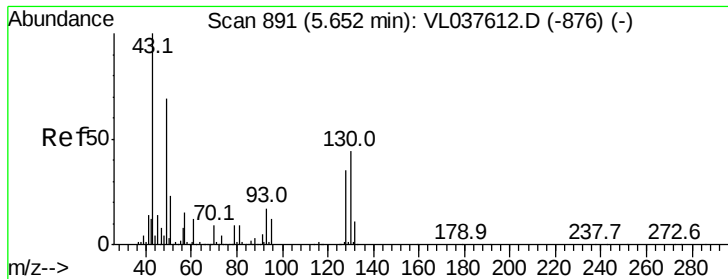
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.02 min

Lab File: VL037661.D

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Instrument :
MSVOA_L
ClientSampleId :

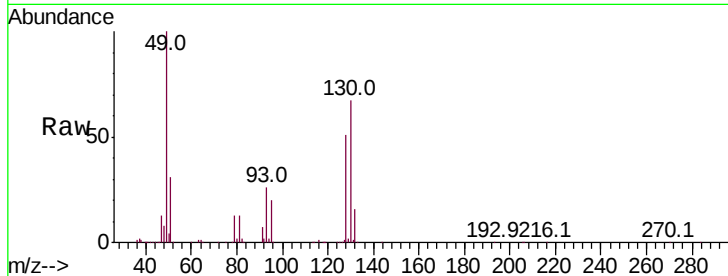
Tot Ion: 49 Resp: 1480446

Ion Ratio Lower Upper

49 100

128 54.7 27.9 83.6

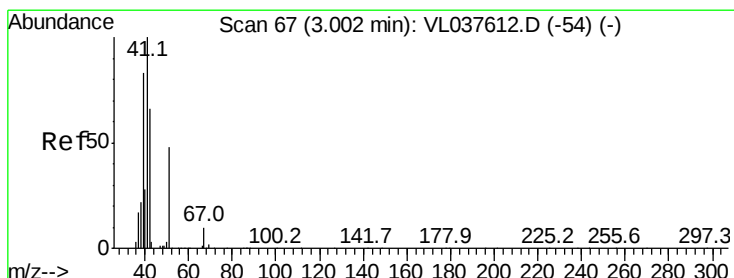
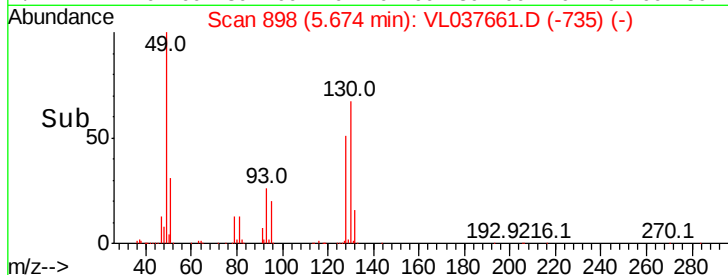
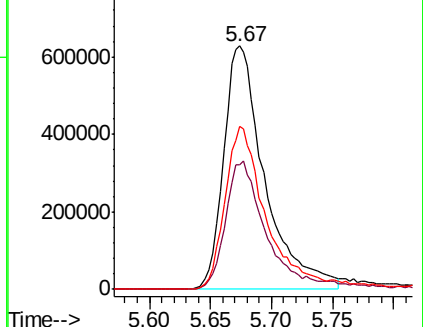
130 70.0 33.9 101.7



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: 0.036 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL037661.D

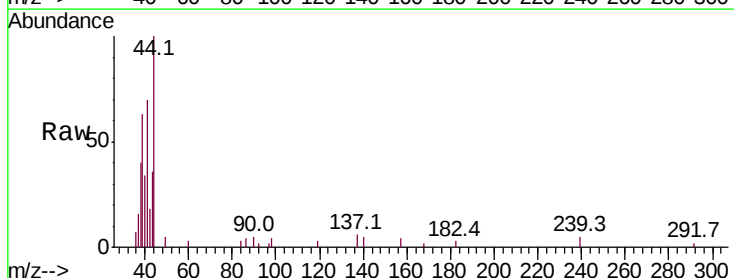
Acq: 23 Sep 2021 14:09

Tgt Ion: 41 Resp: 3553

Ion Ratio Lower Upper

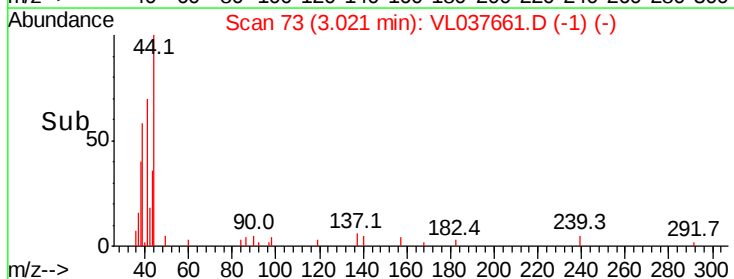
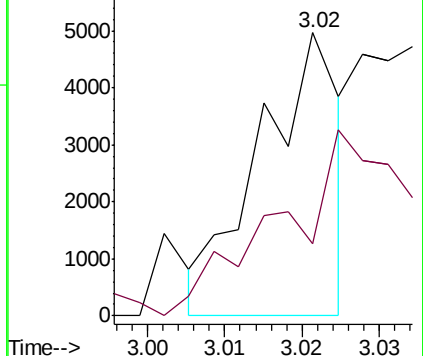
41 100

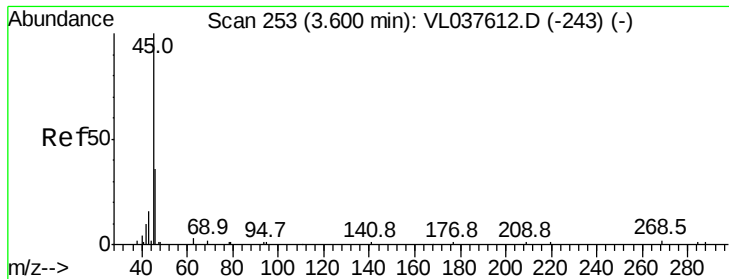
42 0.0 57.2 85.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

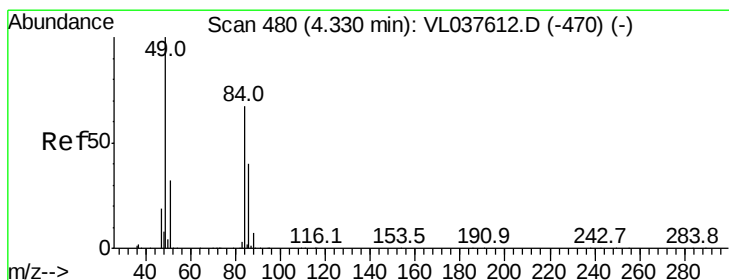
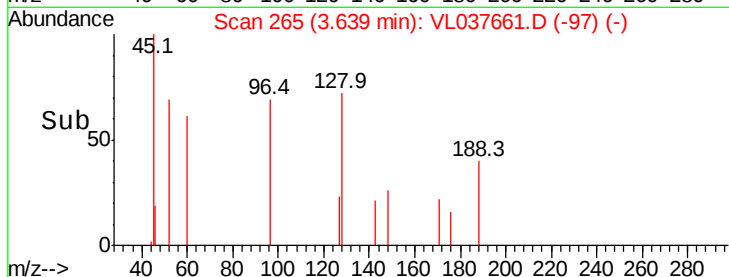
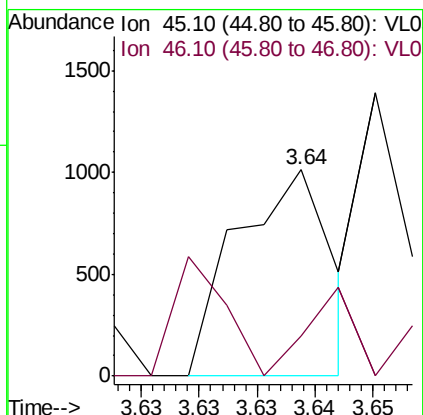
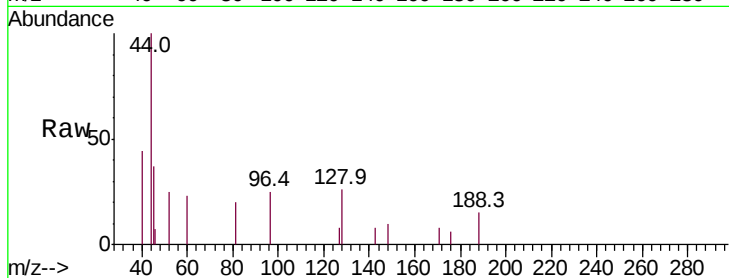




#13
Ethanol
Concen: 0.060 ppbv
RT: 3.64 min Scan# 265
Delta R.T. 0.04 min
Lab File: VL037661.D
Acq: 23 Sep 2021 14:09

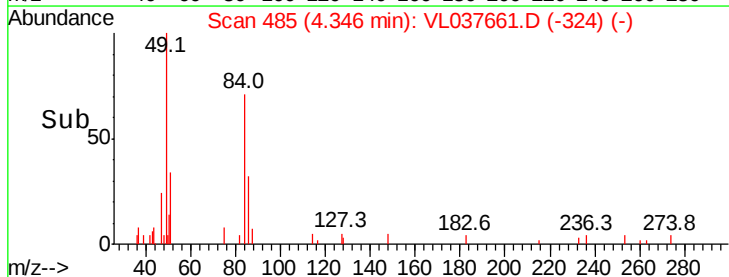
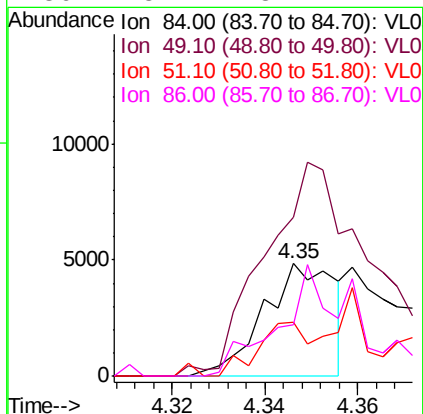
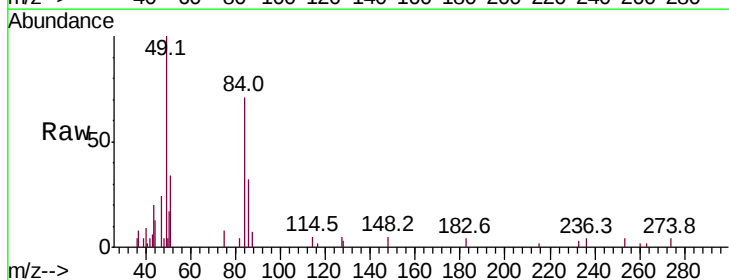
Instrument :
MSVOA_L
ClientSampled :

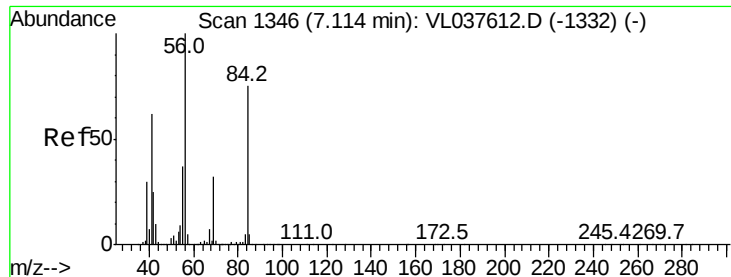
Tot Ion: 45 Resp: 576
Ion Ratio Lower Upper
45 100
46 94.3 17.2 68.8#



#20
Methylene Chloride
Concen: 0.070 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL037661.D
Acq: 23 Sep 2021 14:09

Tgt Ion: 84 Resp: 5153
Ion Ratio Lower Upper
84 100
49 131.1 120.0 180.0
51 36.9 38.0 57.0#
86 45.1 48.2 72.2#

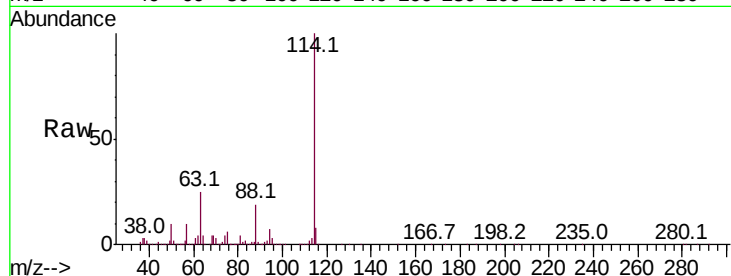




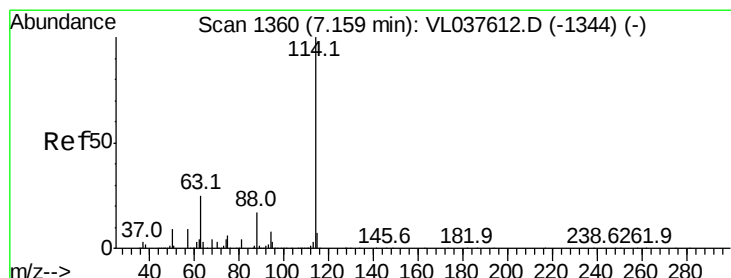
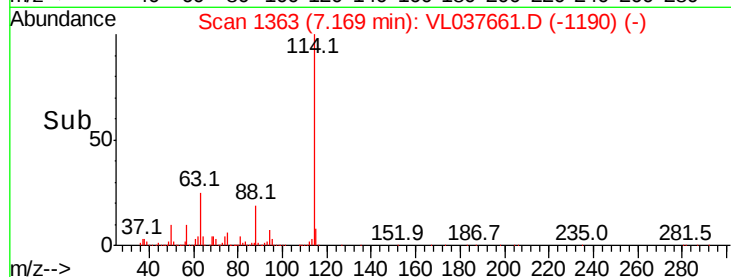
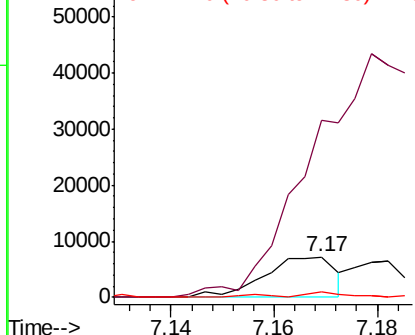
#30
Cyclohexane
Concen: 0.046 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.05 min
Lab File: VL037661.D
Acq: 23 Sep 2021 14:09

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 84 Resp: 6944
Ion Ratio Lower Upper
84 100
56 0.0 113.6 170.4#
41 0.0 67.9 101.9#

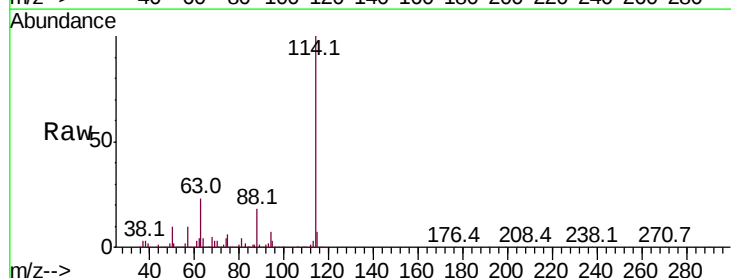


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

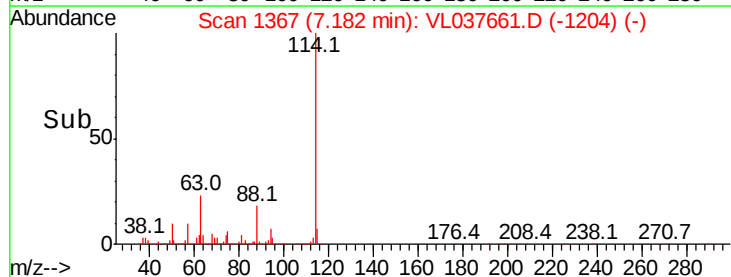
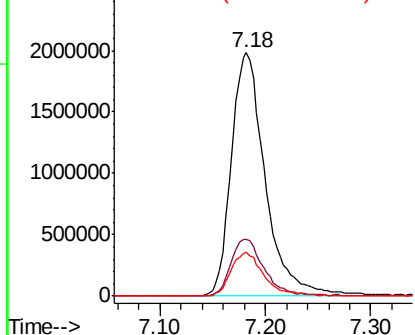


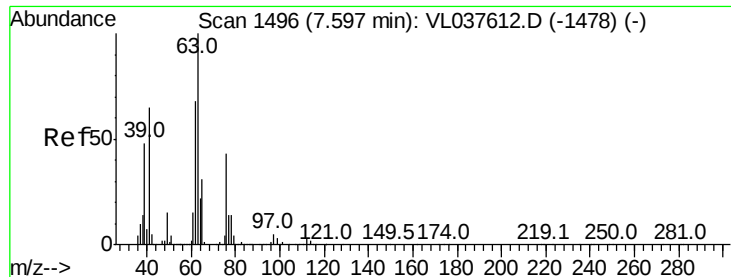
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.02 min
Lab File: VL037661.D
Acq: 23 Sep 2021 14:09

Tgt Ion: 114 Resp: 4402589
Ion Ratio Lower Upper
114 100
63 23.7 19.6 29.4
88 17.8 14.2 21.4



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





#39

1,2-Dichloropropane

Concen: 7.296 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.42 min

Lab File: VL037661.D

Acq: 23 Sep 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

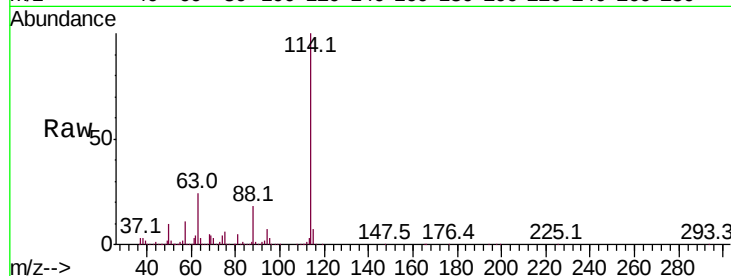
Tot Ion: 63 Resp: 1025979

Ion Ratio Lower Upper

63 100

41 0.1 51.6 77.4#

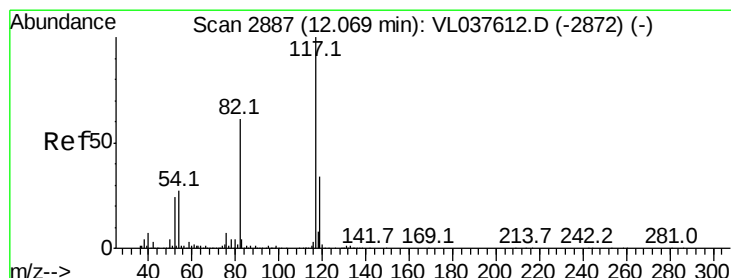
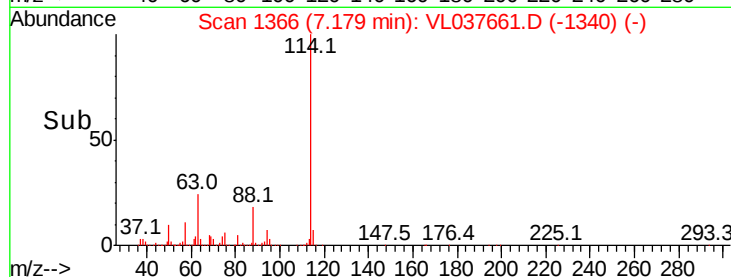
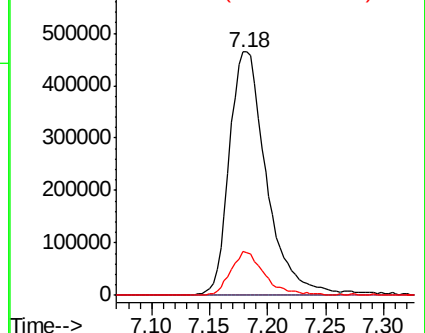
62 17.9 54.6 81.8#



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: VL037661.D

Acq: 23 Sep 2021 14:09

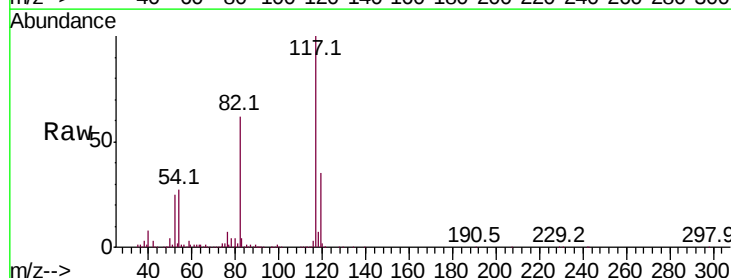
Tgt Ion: 117 Resp: 3720779

Ion Ratio Lower Upper

117 100

82 65.9 50.6 75.8

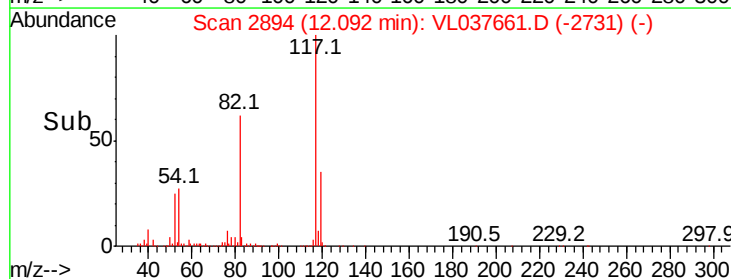
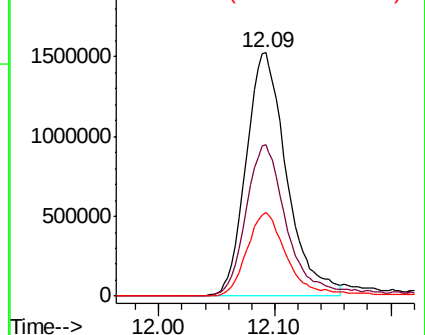
119 35.0 26.2 39.2

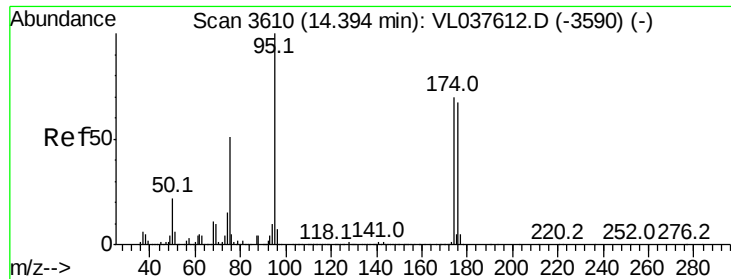


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.986 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. 0.03 min

Lab File: VL037661.D

Acq: 23 Sep 2021 14:09

Instrument :

MSVOA_L

ClientSampleId :

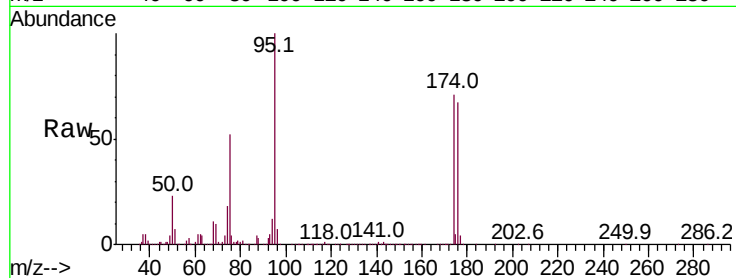
Tot Ion: 95 Resp: 2685140

Ion Ratio Lower Upper

95 100

174 75.2 56.3 84.5

175 5.4 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

