

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037655.D
 Acq On : 23 Sep 2021 10:22
 Operator : SY/AP
 Sample : VL0923ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:35:27 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	1600026	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4713517	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	4093340	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2870438	9.70	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

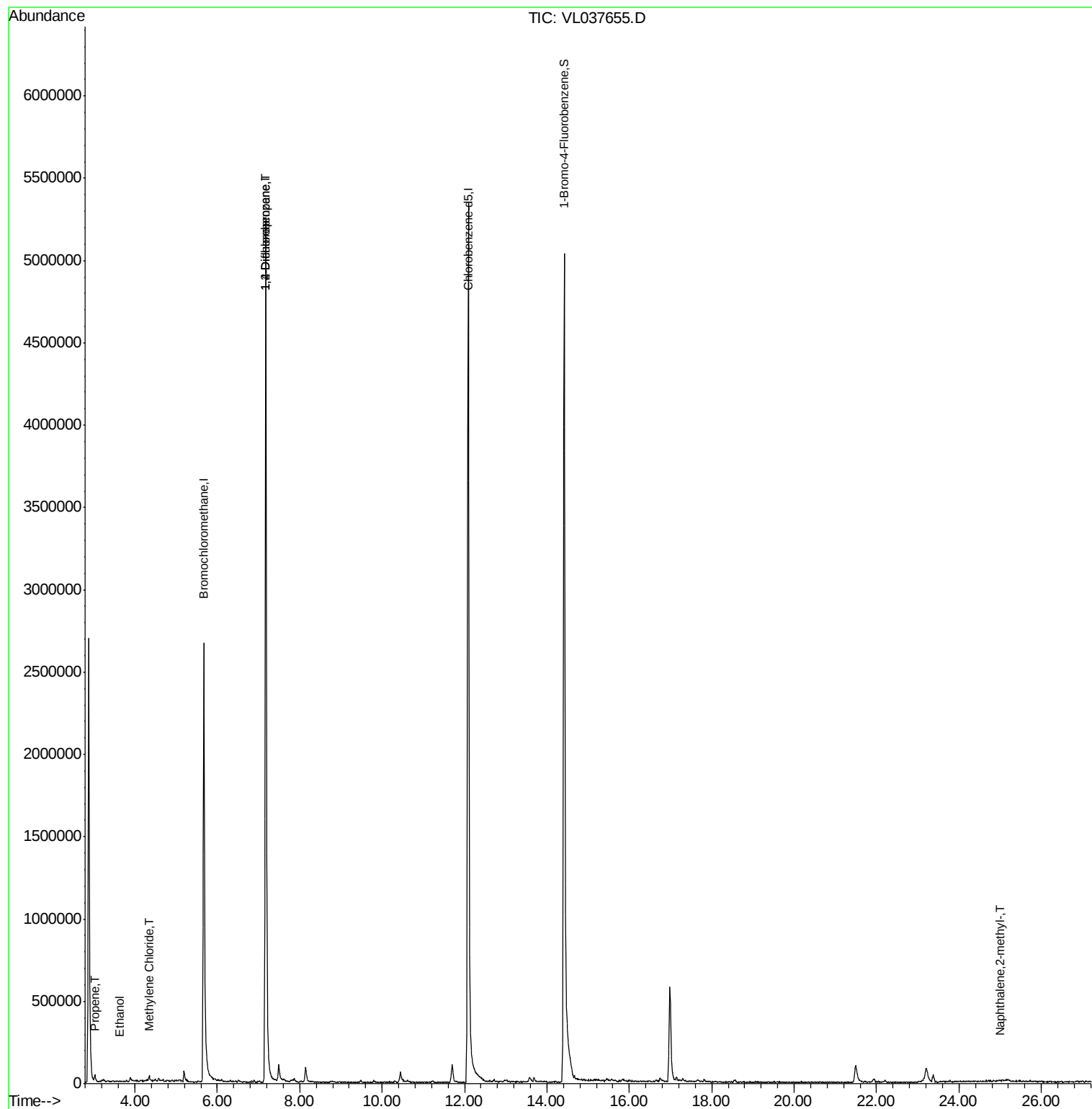
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	4033	0.038	ppbv #	14
13) Ethanol	3.62	45	1051	0.101	ppbv #	1
20) Methylene Chloride	4.34	84	4104	0.052	ppbv #	79
39) 1,2-Dichloropropane	7.18	63	1096071	7.281	ppbv #	27
80) Naphthalene,2-methyl-	25.01	142	4500	0.063	ppbv	91

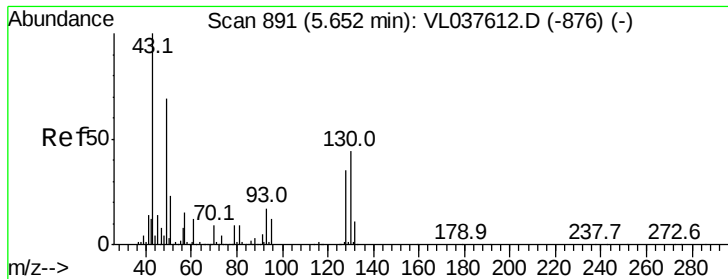
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037655.D

Acq: 23 Sep 2021 10:22

Instrument :

MSVOA_L

ClientSampleId :

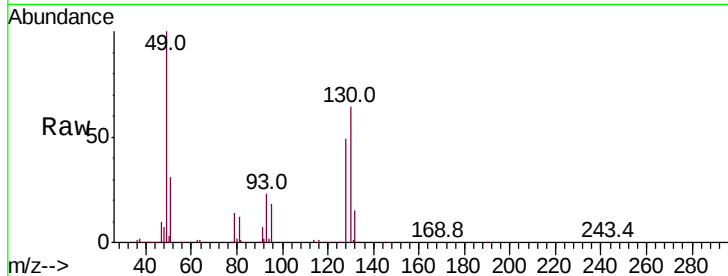
Tot Ion: 49 Resp: 1600026

Ion Ratio Lower Upper

49 100

128 54.1 27.9 83.6

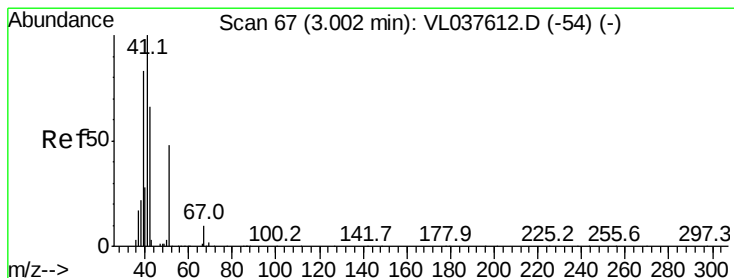
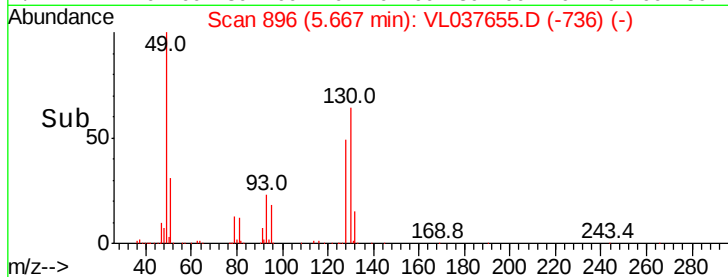
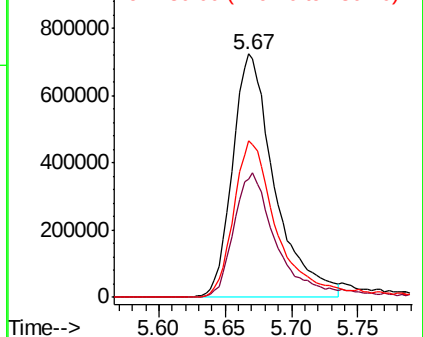
130 70.0 33.9 101.7



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: 0.038 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL037655.D

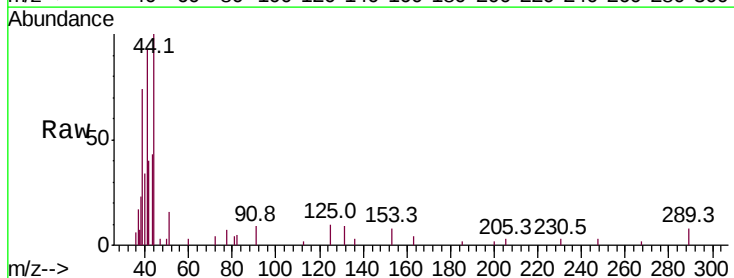
Acq: 23 Sep 2021 10:22

Tgt Ion: 41 Resp: 4033

Ion Ratio Lower Upper

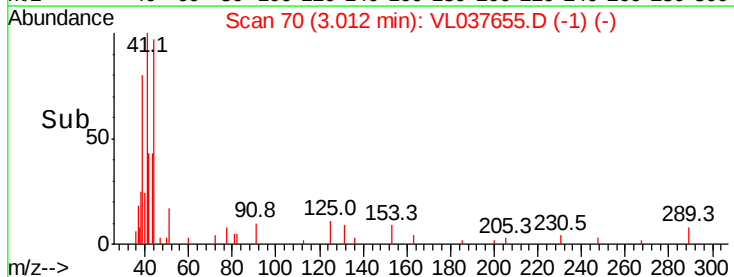
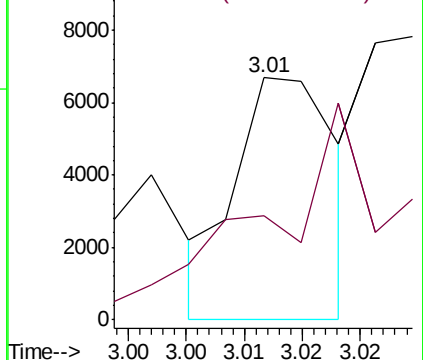
41 100

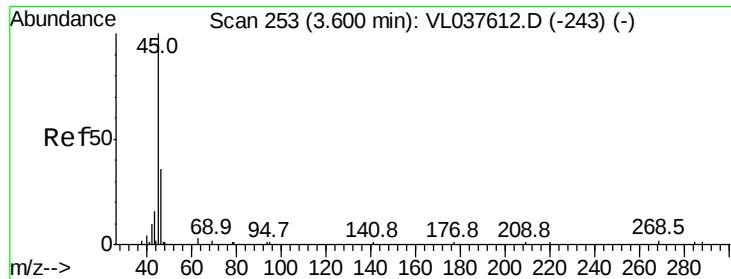
42 0.0 57.2 85.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

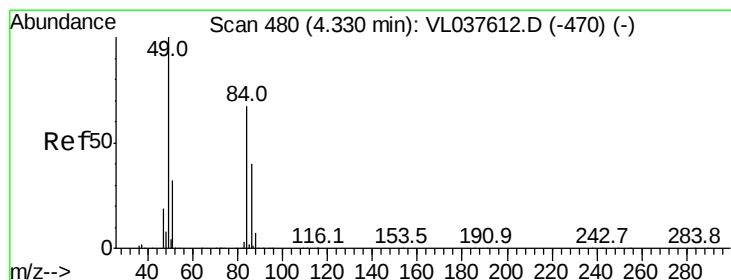
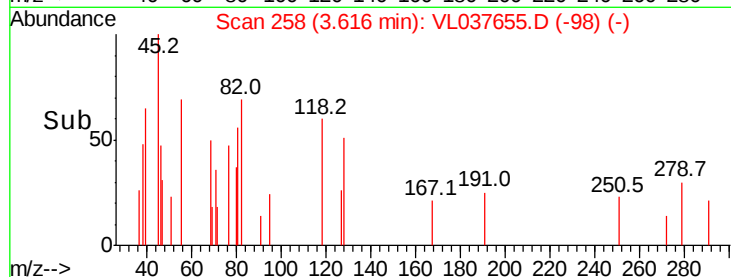
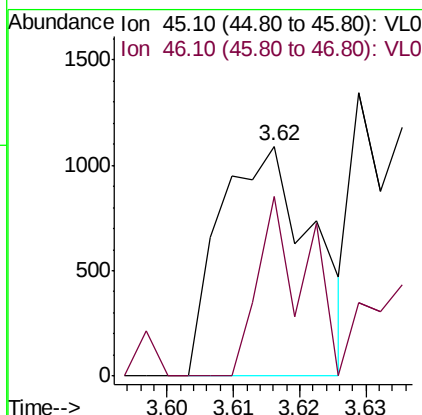
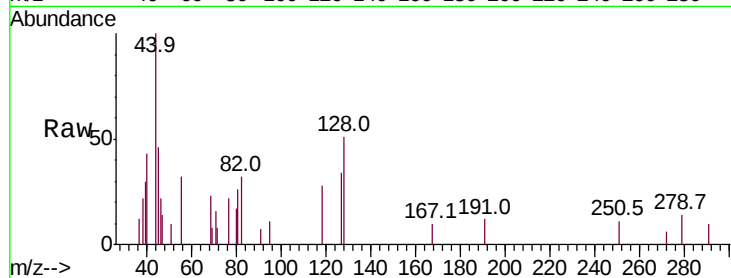




#13
Ethanol
Concen: 0.101 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037655.D
Acq: 23 Sep 2021 10:22

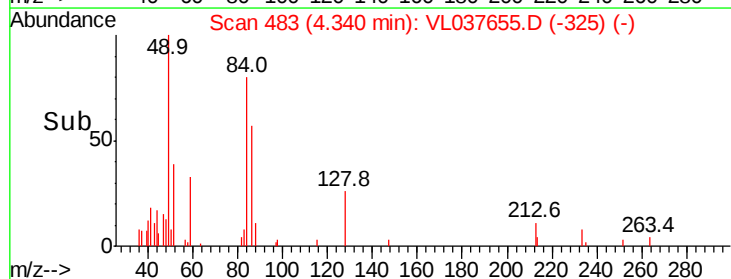
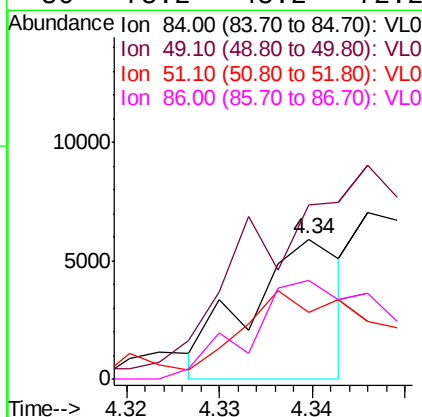
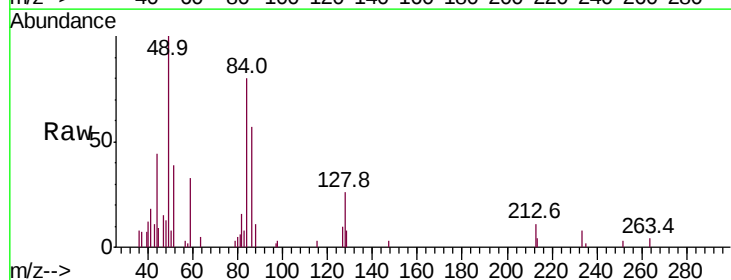
Instrument :
MSVOA_L
ClientSampleId :

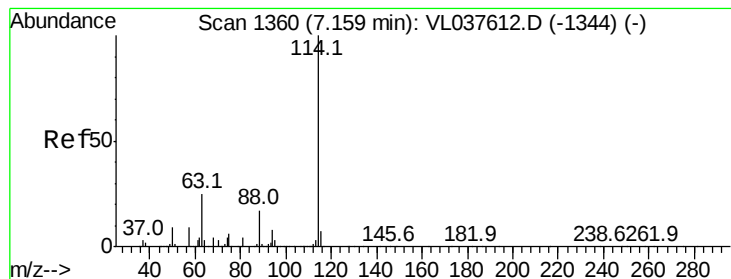
Tot Ion: 45 Resp: 1051
Ion Ratio Lower Upper
45 100
46 127.3 17.2 68.8#



#20
Methylene Chloride
Concen: 0.052 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL037655.D
Acq: 23 Sep 2021 10:22

Tgt Ion: 84 Resp: 4104
Ion Ratio Lower Upper
84 100
49 119.2 120.0 180.0#
51 51.5 38.0 57.0
86 78.2 48.2 72.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.02 min

Lab File: VL037655.D

Acq: 23 Sep 2021 10:22

Instrument :

MSVOA_L

ClientSampleId :

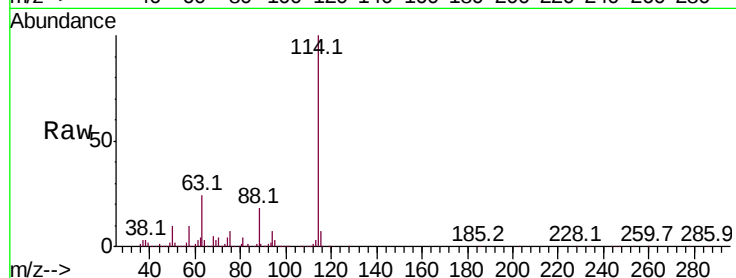
Tot Ion:114 Resp: 4713517

Ion Ratio Lower Upper

114 100

63 24.2 19.6 29.4

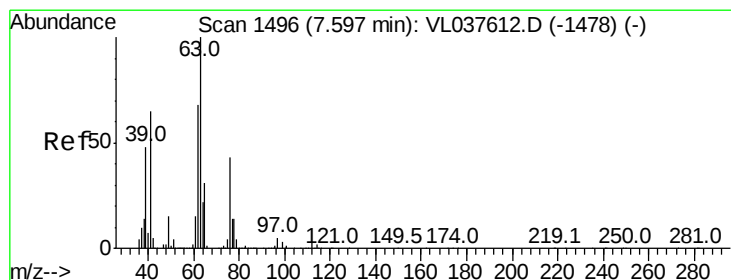
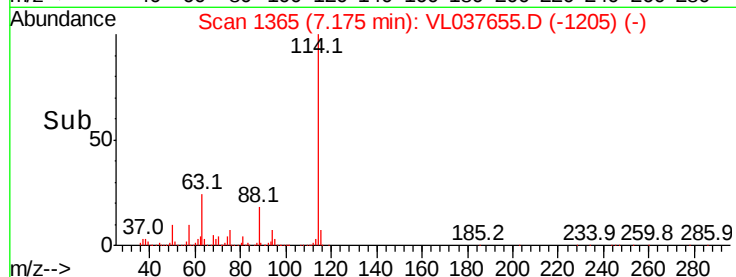
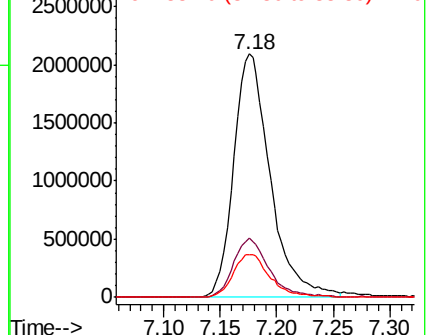
88 18.1 14.2 21.4



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: 7.281 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. -0.42 min

Lab File: VL037655.D

Acq: 23 Sep 2021 10:22

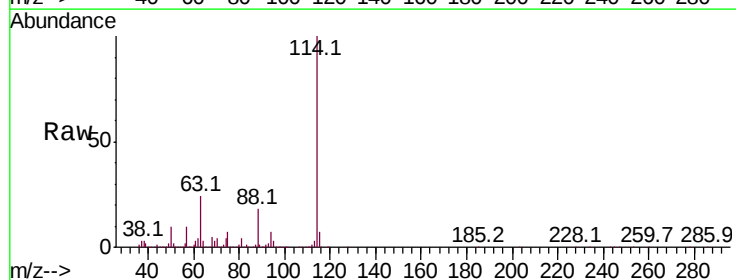
Tgt Ion: 63 Resp: 1096071

Ion Ratio Lower Upper

63 100

41 0.1 51.6 77.4#

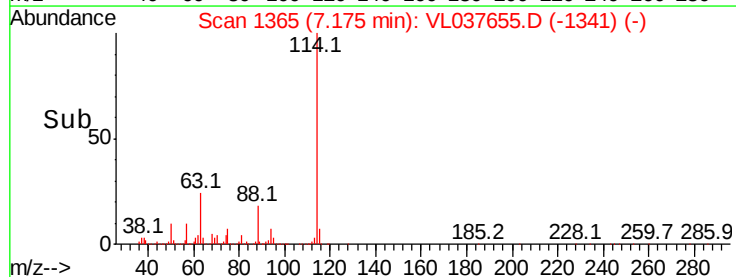
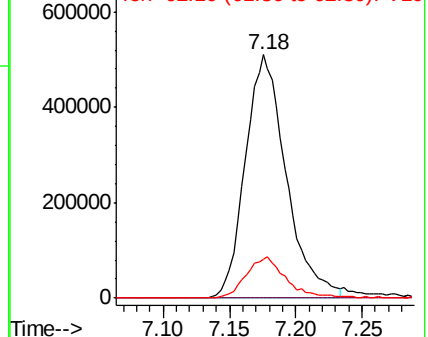
62 15.7 54.6 81.8#

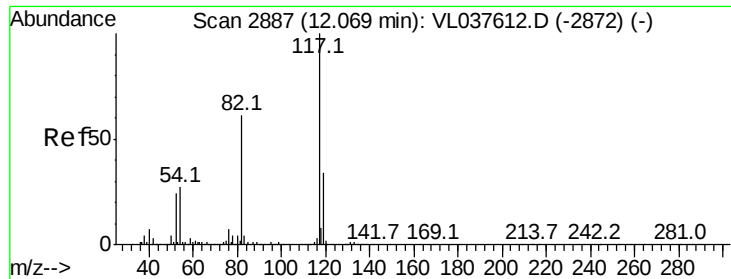


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

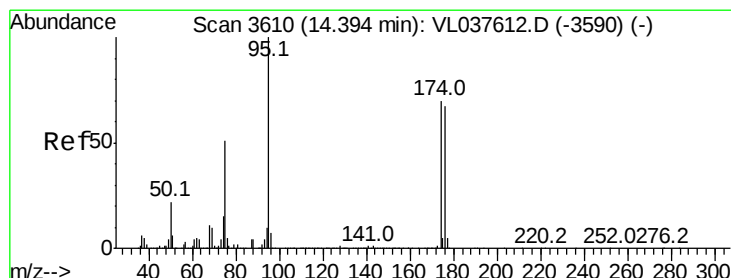
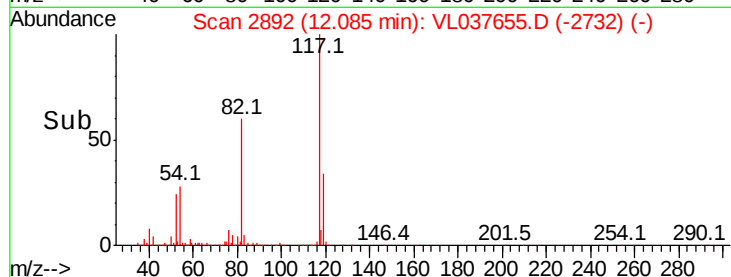
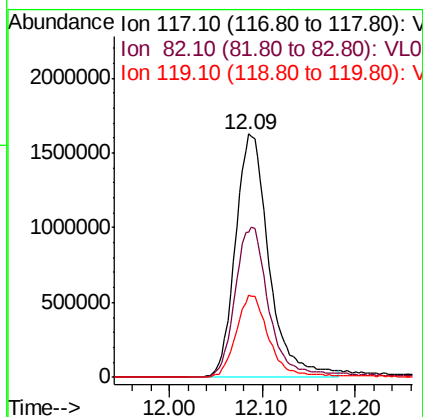
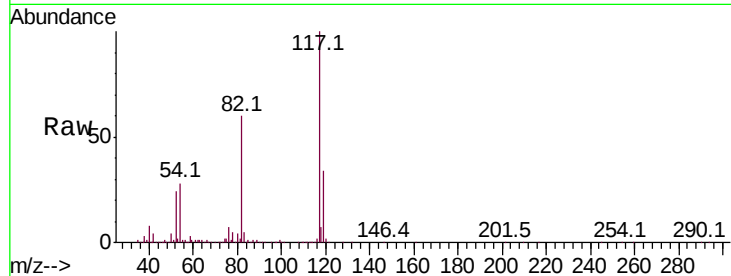




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. 0.02 min
Lab File: VL037655.D
Acq: 23 Sep 2021 10:22

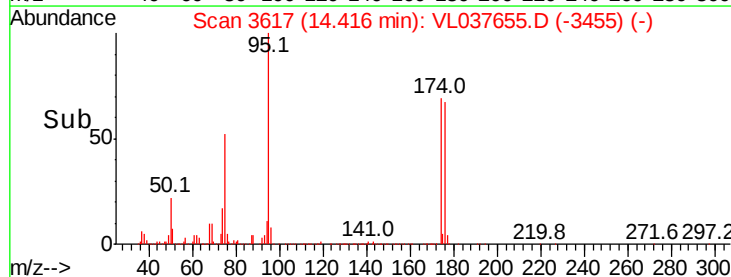
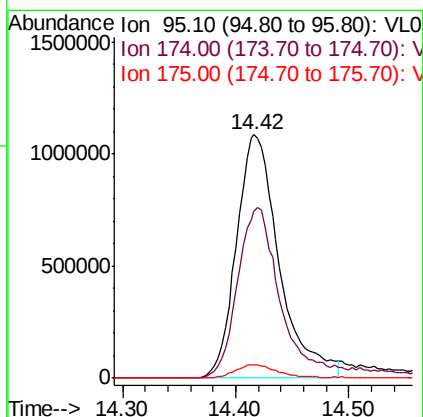
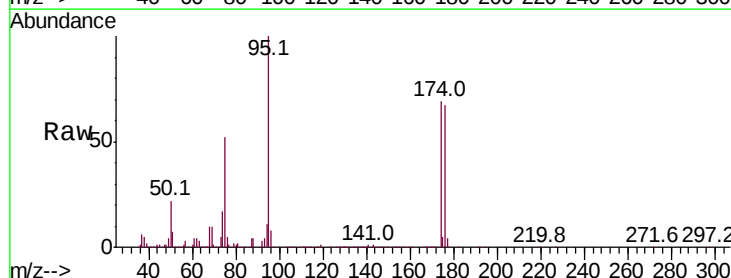
Instrument :
MSVOA_L
ClientSampleId :

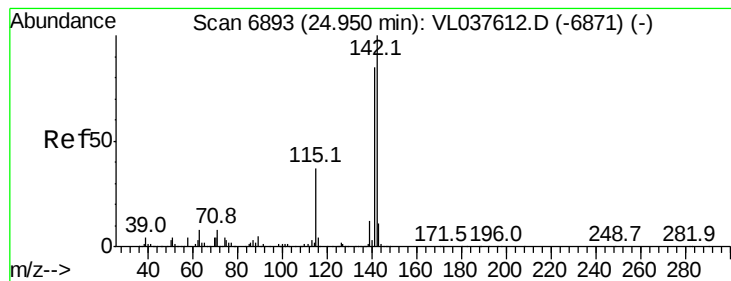
Tot Ion:117 Resp: 4093340
Ion Ratio Lower Upper
117 100
82 62.9 50.6 75.8
119 33.7 26.2 39.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.703 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. 0.02 min
Lab File: VL037655.D
Acq: 23 Sep 2021 10:22

Tgt Ion: 95 Resp: 2870438
Ion Ratio Lower Upper
95 100
174 75.9 56.3 84.5
175 5.7 4.4 6.6

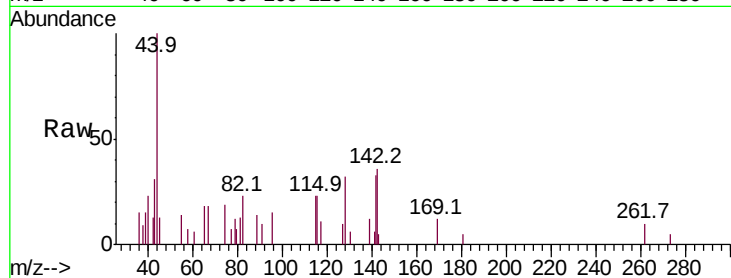




#80
 Naphthalene, 2-methyl-
 Concen: 0.063 ppbv
 RT: 25.01 min Scan# 6911
 Delta R.T. 0.06 min
 Lab File: VL037655.D
 Acq: 23 Sep 2021 10:22

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
142	100		
141	78.1	70.9	106.3
115	35.7	29.6	44.4



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

