

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037649.D
 Acq On : 18 Sep 2021 8:09
 Operator : SY/AP
 Sample : OC091321 CAN 10428
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 20 01:43:45 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	5.65	49	1313277	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3865072	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3399881	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2397806	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

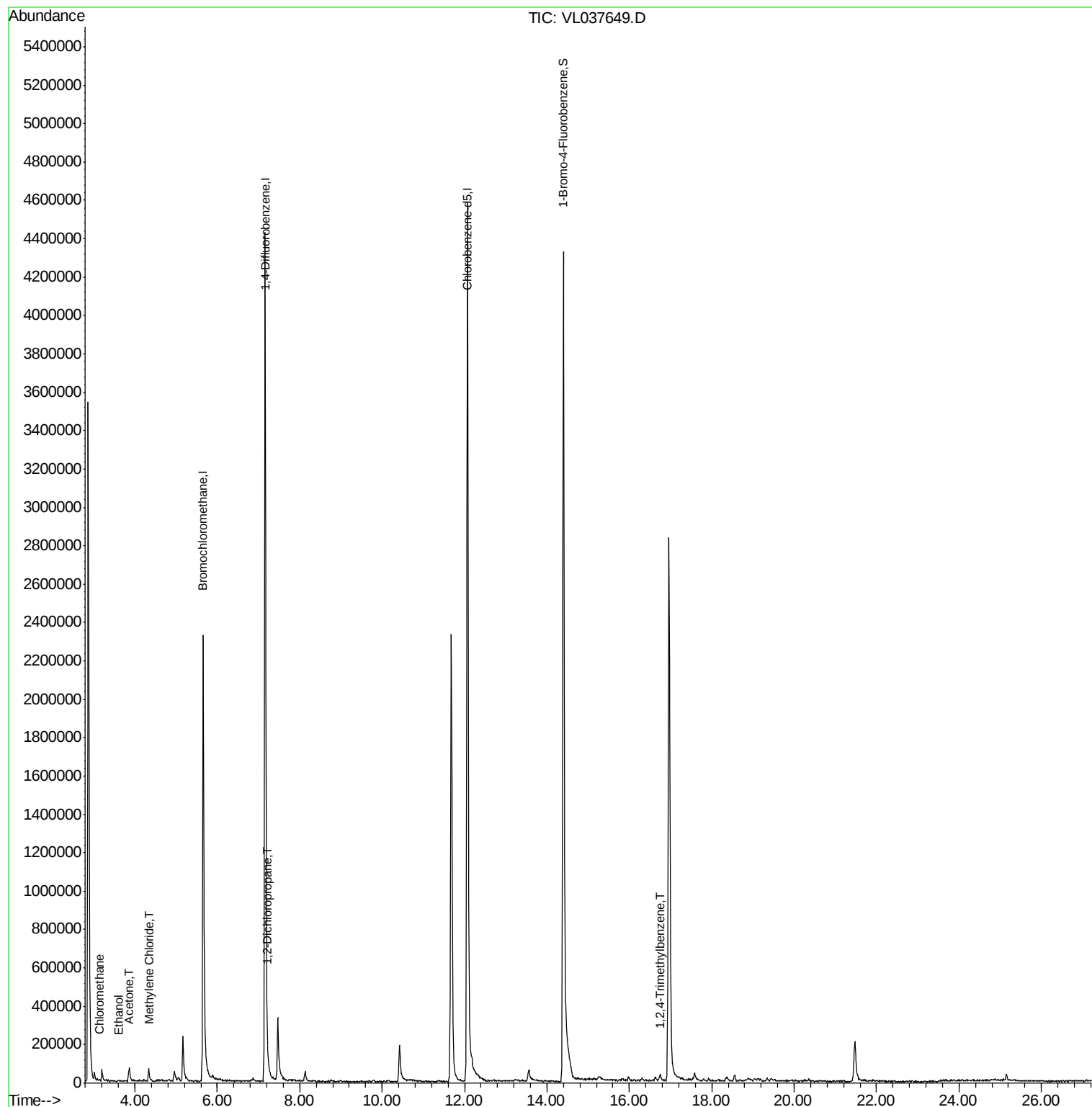
Target Compounds					Ovalue
4) Chloromethane	3.13	50	7353	0.080 ppbv #	82
13) Ethanol	3.60	45	3817	0.447 ppbv #	56
15) Acetone	3.85	43	28835	0.211 ppbv #	44
20) Methylene Chloride	4.34	84	20707	0.318 ppbv #	81
39) 1,2-Dichloropropane	7.21	63	13340	0.108 ppbv #	28
74) 1,2,4-Trimethylbenzene	16.75	105	16518	0.039 ppbv #	73

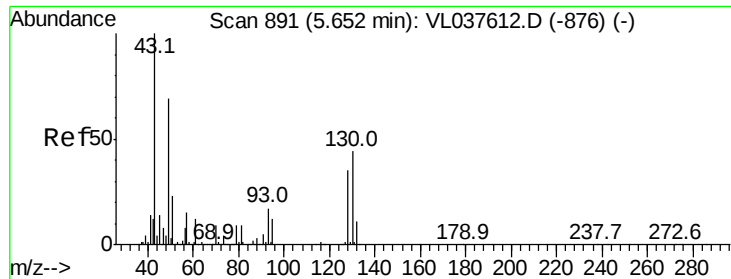
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091721\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL037649.D

Acq: 18 Sep 2021 8:09

Instrument :

MSVOA_L

ClientSampled :

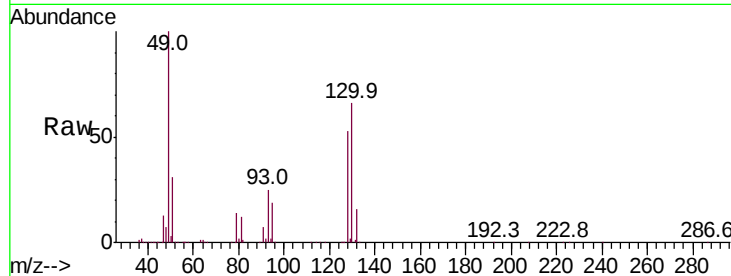
Tot Ion: 49 Resp: 1313277

Ion Ratio Lower Upper

49 100

128 55.9 27.9 83.6

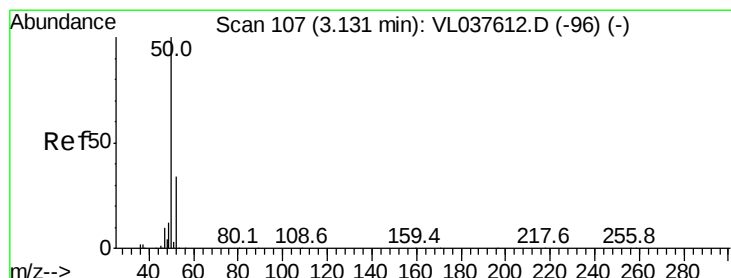
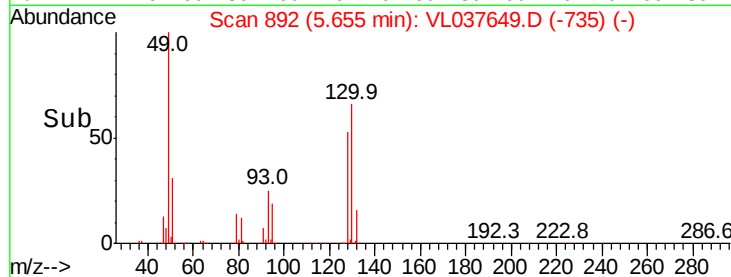
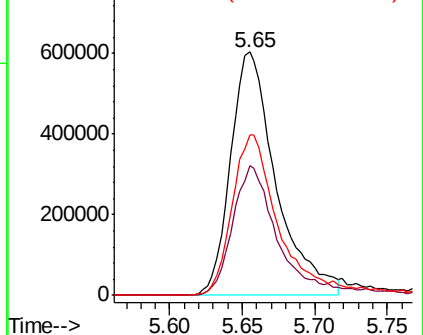
130 71.4 33.9 101.7



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



#4

Chloromethane

Concen: 0.080 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037649.D

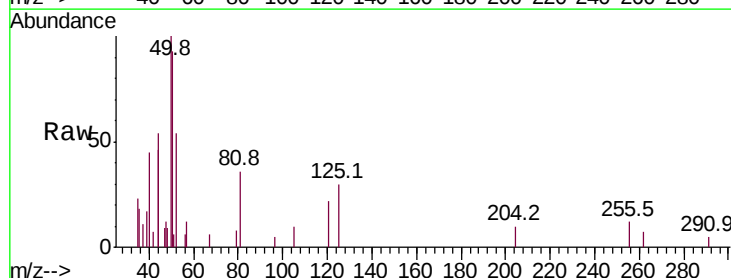
Acq: 18 Sep 2021 8:09

Tgt Ion: 50 Resp: 7353

Ion Ratio Lower Upper

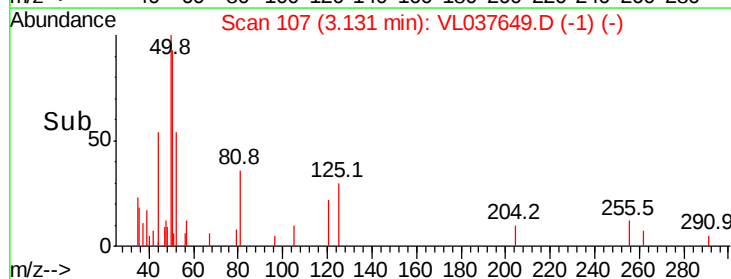
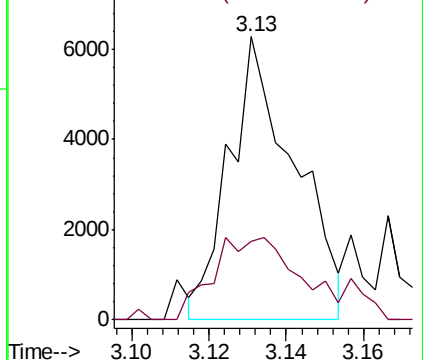
50 100

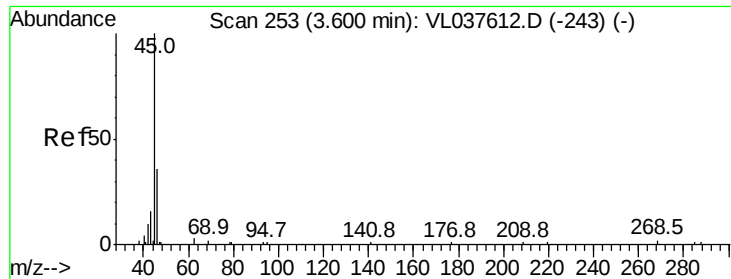
52 23.8 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#13

Ethanol

Concen: 0.447 ppbv

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037649.D

Acq: 18 Sep 2021 8:09

Instrument :

MSVOA_L

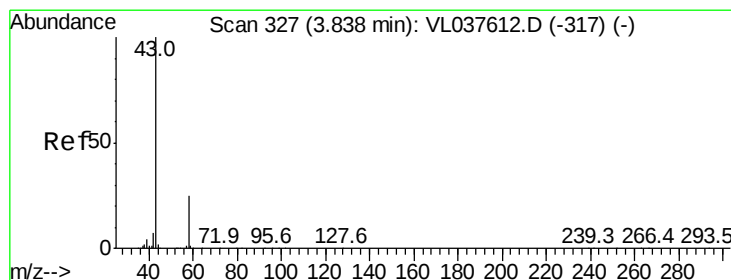
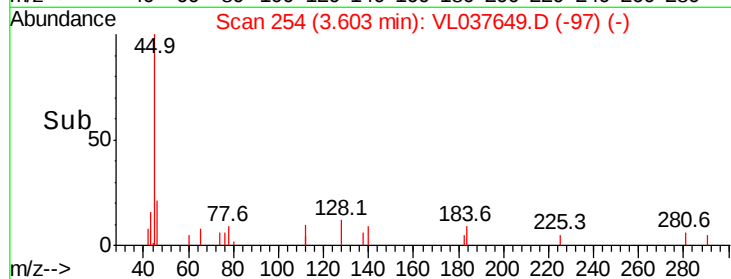
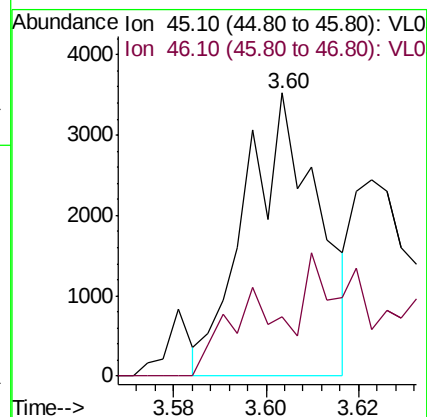
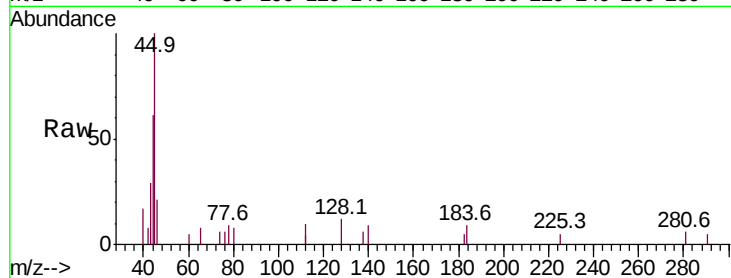
ClientSampleId :

Tot Ion: 45 Resp: 3817

Ion Ratio Lower Upper

45 100

46 71.3 17.2 68.8#



#15

Acetone

Concen: 0.211 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037649.D

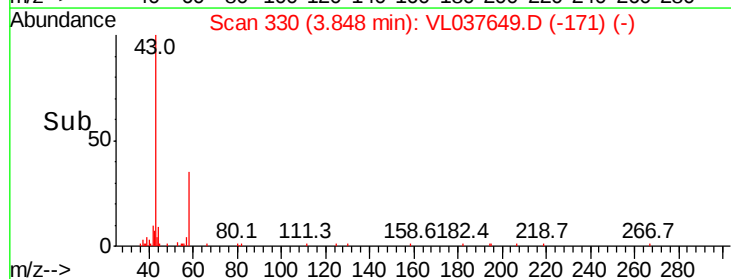
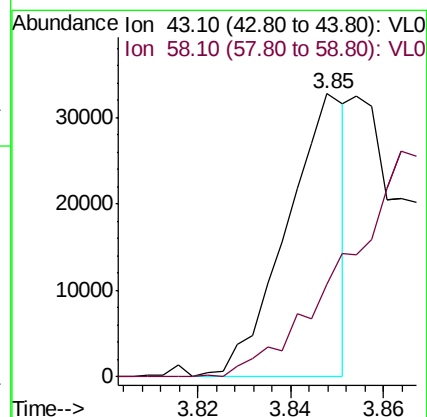
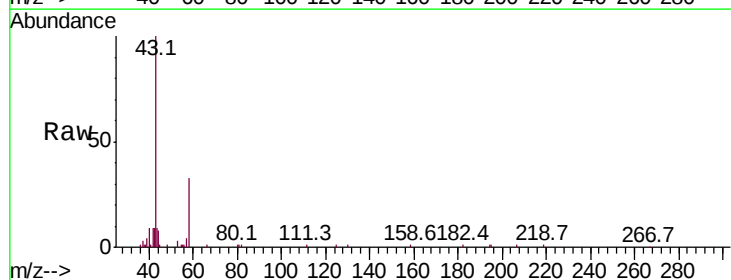
Acq: 18 Sep 2021 8:09

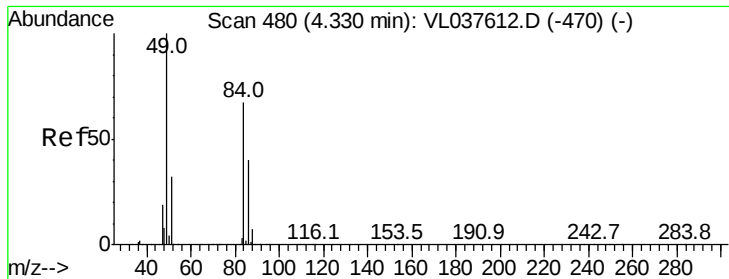
Tgt Ion: 43 Resp: 28835

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#

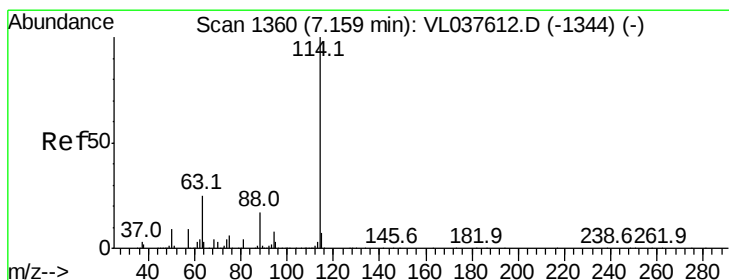
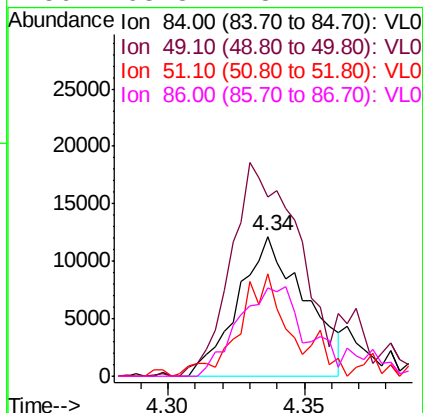
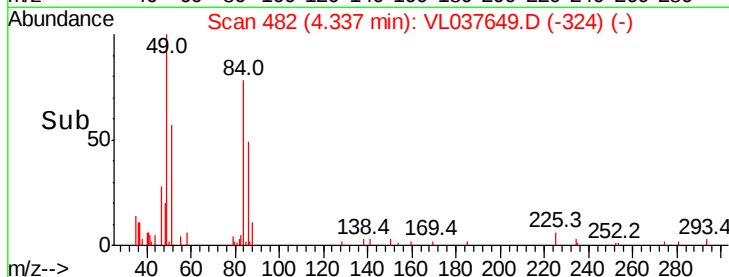
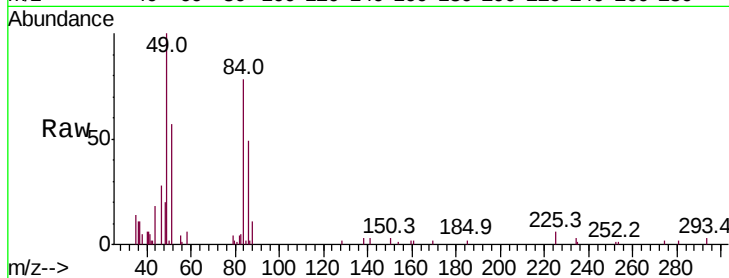




#20
Methylene Chloride
Concen: 0.318 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037649.D
Acq: 18 Sep 2021 8:09

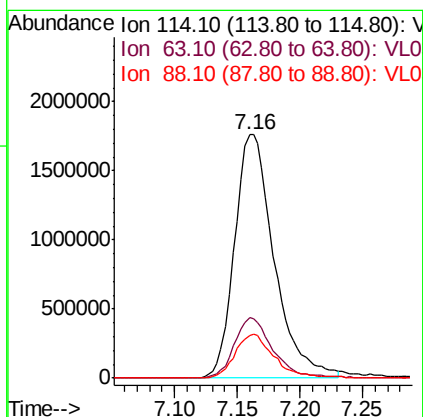
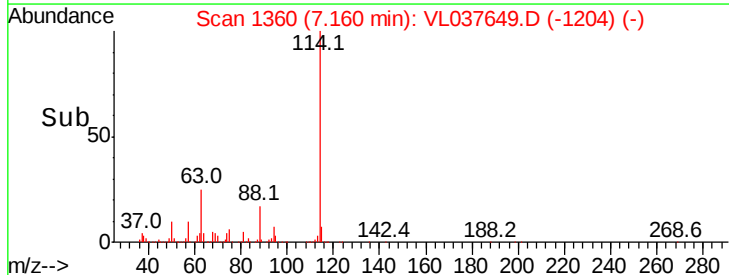
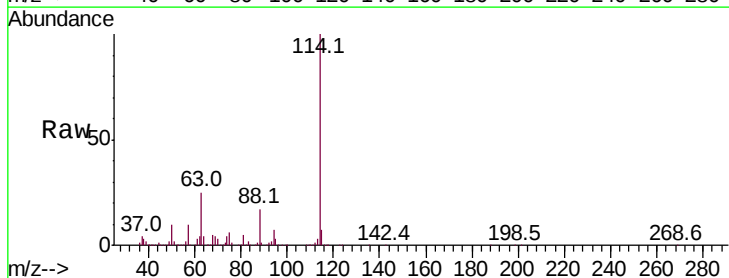
Instrument :
MSVOA_L
ClientSampled :

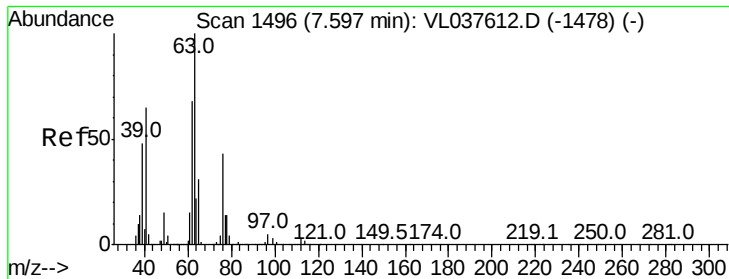
Tot Ion: 84 Resp: 20707
Ion Ratio Lower Upper
84 100
49 121.9 120.0 180.0
51 66.0 38.0 57.0#
86 63.3 48.2 72.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037649.D
Acq: 18 Sep 2021 8:09

Tgt Ion: 114 Resp: 3865072
Ion Ratio Lower Upper
114 100
63 24.7 19.6 29.4
88 18.0 14.2 21.4





#39

1,2-Dichloropropane

Concen: 0.108 ppbv

RT: 7.21 min Scan# 1377

Delta R.T. -0.38 min

Lab File: VL037649.D

Acq: 18 Sep 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

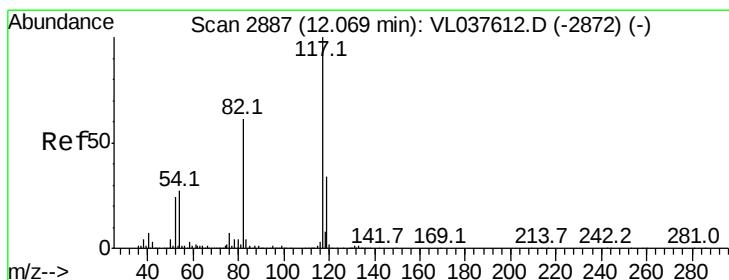
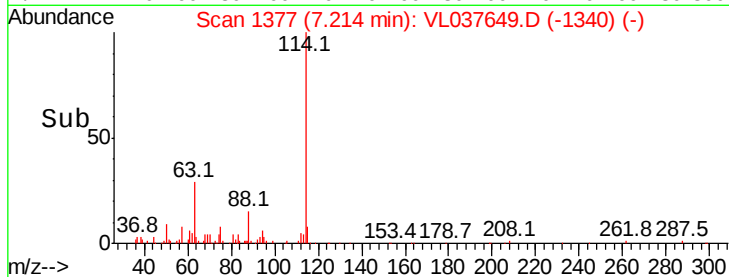
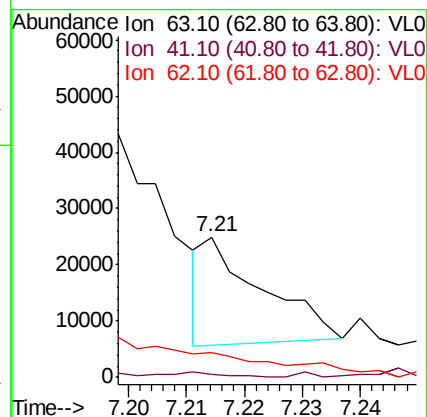
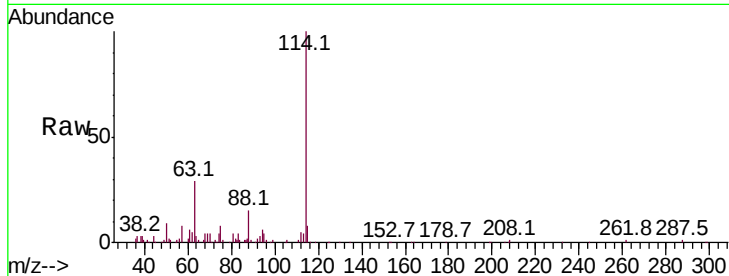
Tot Ion: 63 Resp: 13340

Ion Ratio Lower Upper

63 100

41 1.0 51.6 77.4#

62 16.2 54.6 81.8#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. 0.00 min

Lab File: VL037649.D

Acq: 18 Sep 2021 8:09

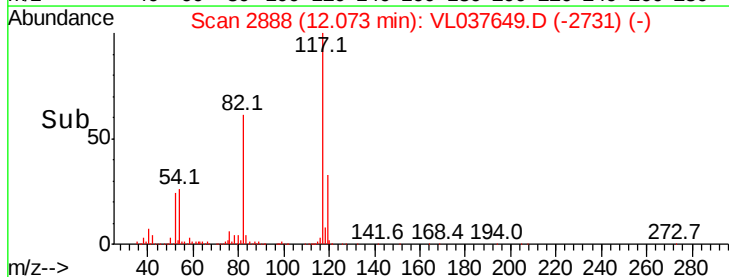
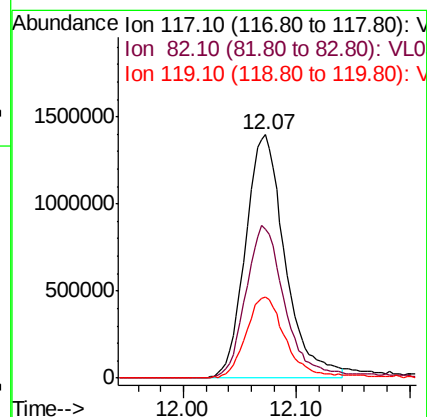
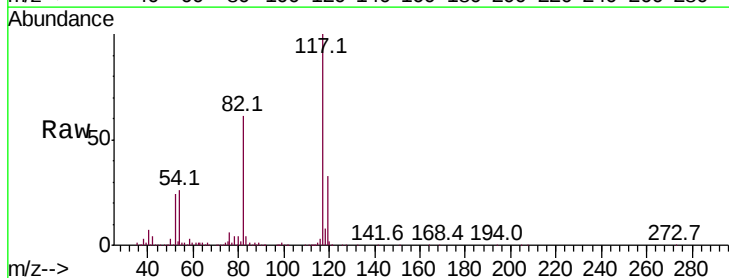
Tgt Ion: 117 Resp: 3399881

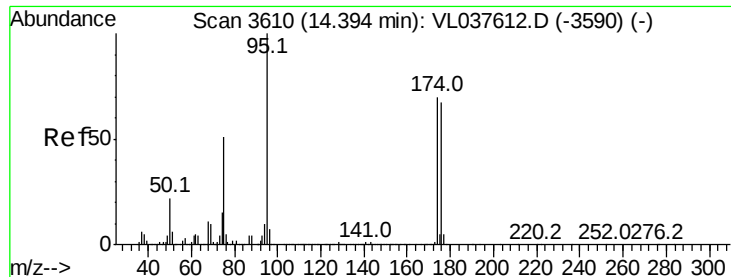
Ion Ratio Lower Upper

117 100

82 65.2 50.6 75.8

119 34.0 26.2 39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.759 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. 0.01 min

Lab File: VL037649.D

Acq: 18 Sep 2021 8:09

Instrument :

MSVOA_L

ClientSampleId :

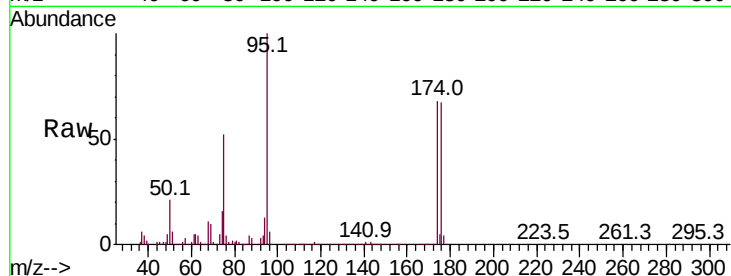
Tot Ion: 95 Resp: 2397806

Ion Ratio Lower Upper

95 100

174 75.4 56.3 84.5

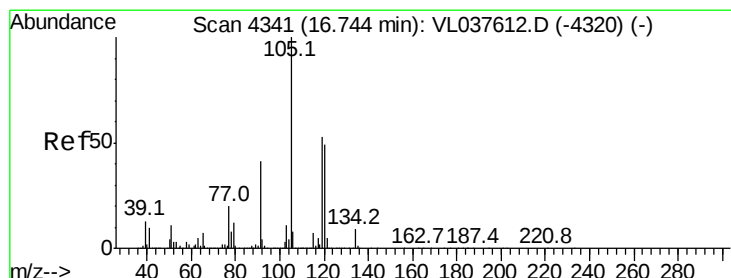
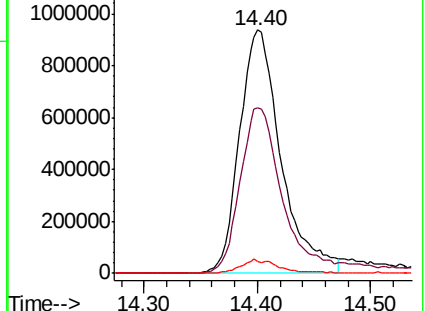
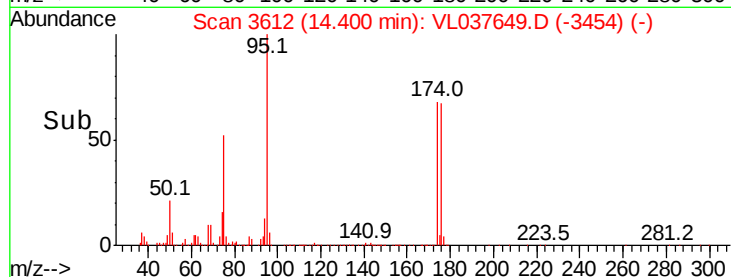
175 5.4 4.4 6.6



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



#74

1,2,4-Trimethylbenzene

Concen: 0.039 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. 0.00 min

Lab File: VL037649.D

Acq: 18 Sep 2021 8:09

Tgt Ion: 105 Resp: 16518

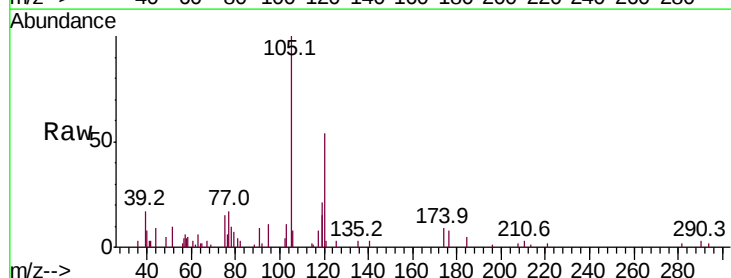
Ion Ratio Lower Upper

105 100

120 60.1 39.4 59.0#

91 10.9 33.3 49.9#

77 14.7 15.7 23.5#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

