

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092321\
 Data File : VL037664.D
 Acq On : 23 Sep 2021 16:01
 Operator : SY/AP
 Sample : CAN 10297
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 24 06:36:33 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	5.68	49	1417089	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	4304007	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3657429	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2658226	10.06	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

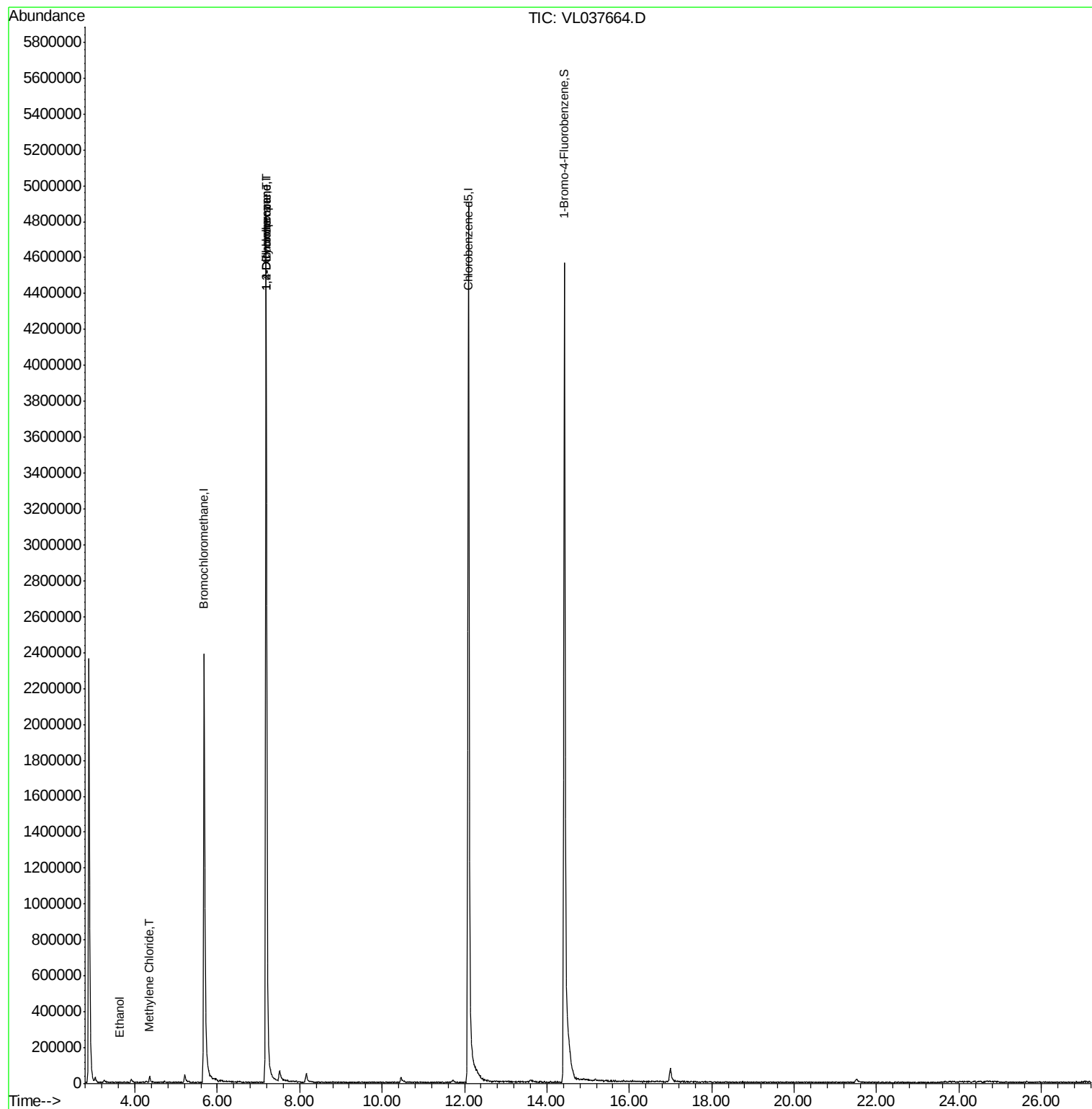
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.64	45	277	0.030	ppbv #	33
20) Methylene Chloride	4.34	84	2494	0.035	ppbv #	85
30) Cyclohexane	7.17	84	5708	0.039	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	992082	7.217	ppbv #	27

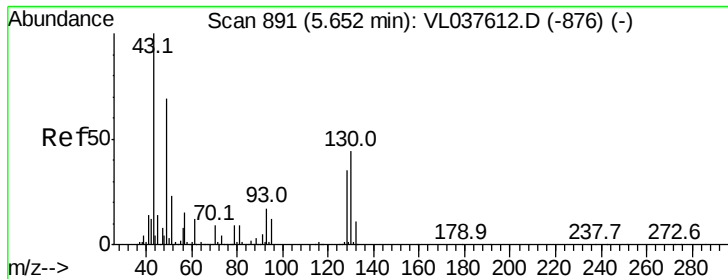
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037664.D

Acq: 23 Sep 2021 16:01

Instrument :
MSVOA_L
ClientSampled :

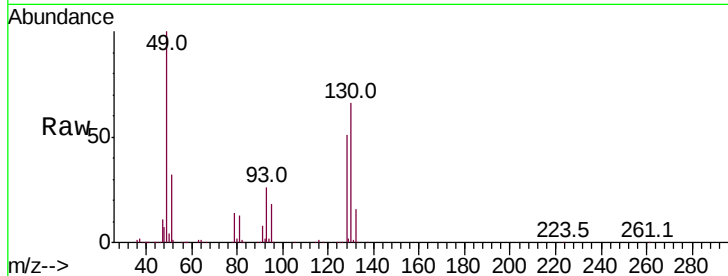
Tot Ion: 49 Resp: 1417089

Ion Ratio Lower Upper

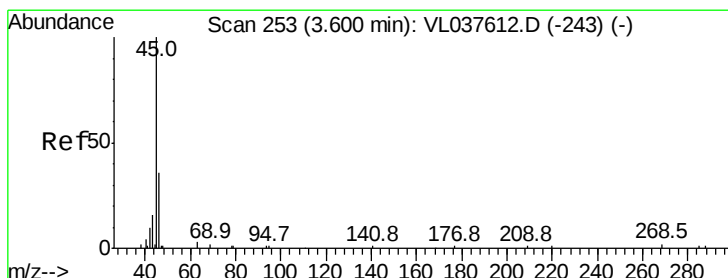
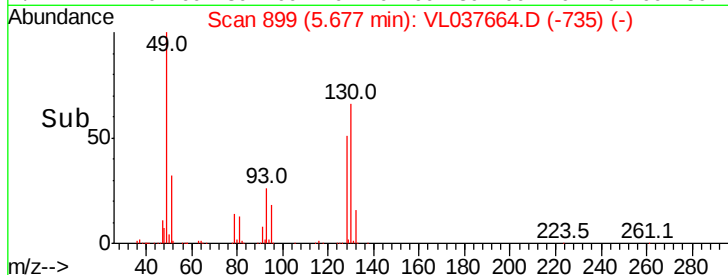
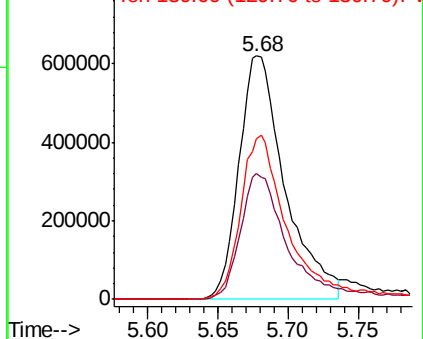
49 100

128 55.3 27.9 83.6

130 72.1 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



#13

Ethanol

Concen: 0.030 ppbv

RT: 3.64 min Scan# 264

Delta R.T. 0.04 min

Lab File: VL037664.D

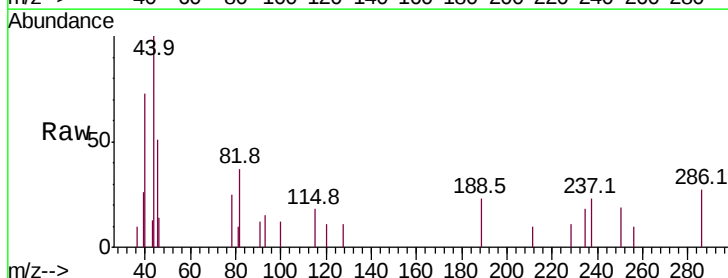
Acq: 23 Sep 2021 16:01

Tgt Ion: 45 Resp: 277

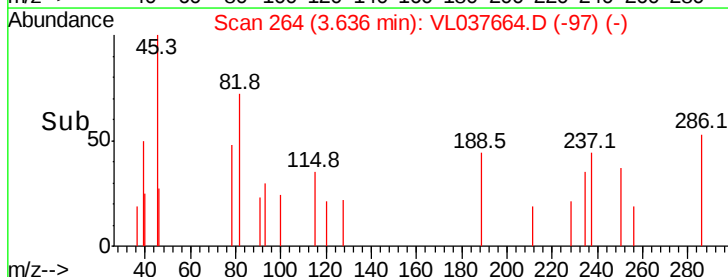
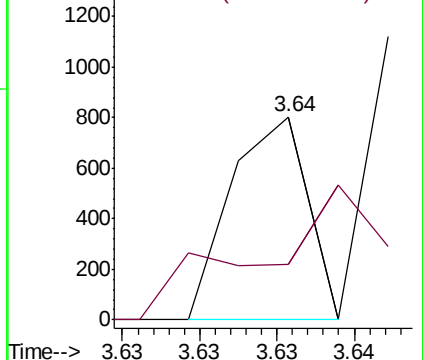
Ion Ratio Lower Upper

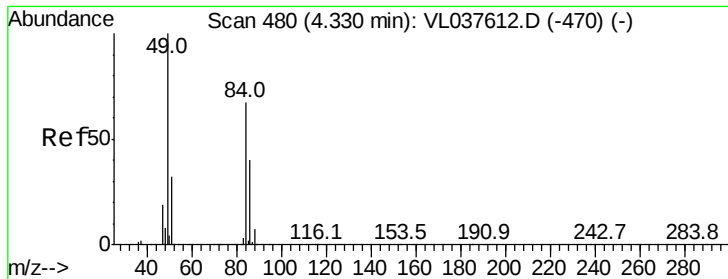
45 100

46 0.0 17.2 68.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0

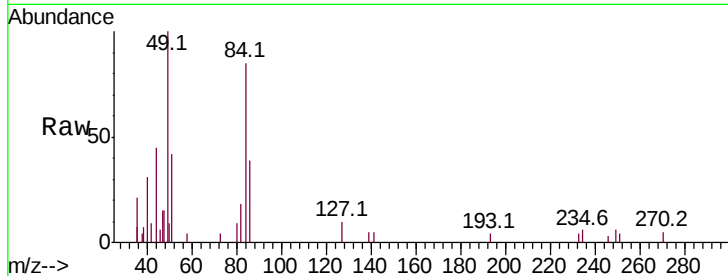




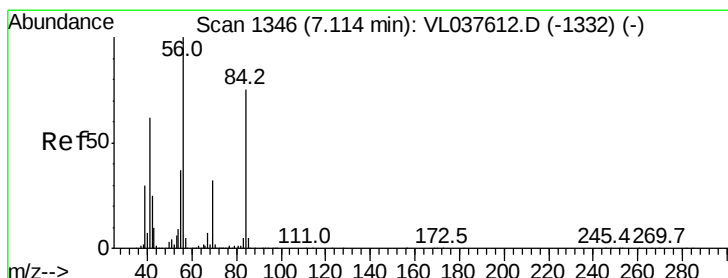
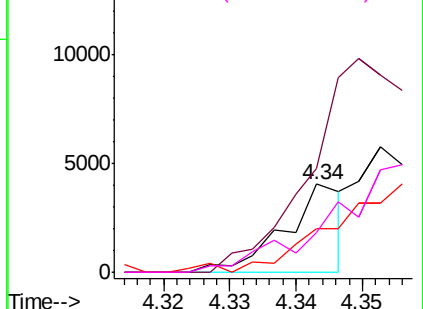
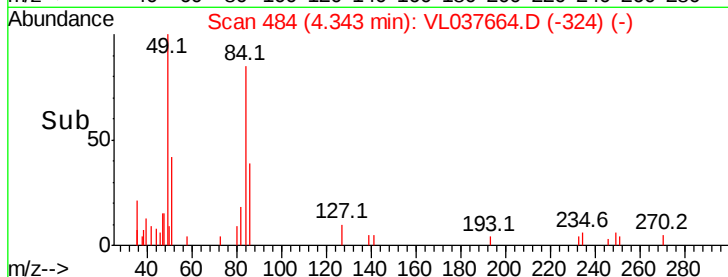
#20
Methylene Chloride
Concen: 0.035 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.01 min
Lab File: VL037664.D
Acq: 23 Sep 2021 16:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 2494
Ion Ratio Lower Upper
84 100
49 127.8 120.0 180.0
51 45.4 38.0 57.0
86 45.5 48.2 72.2#

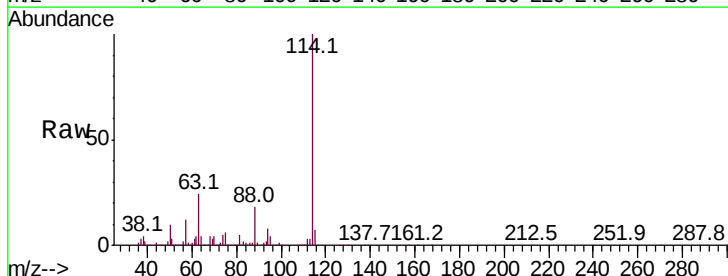


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

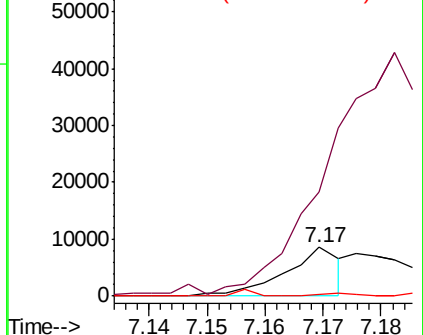
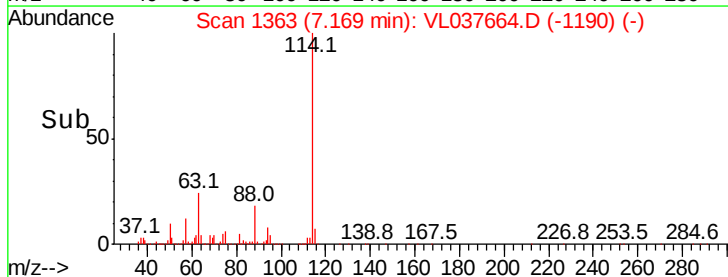


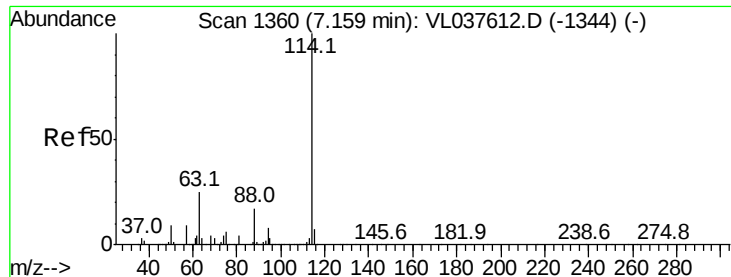
#30
Cyclohexane
Concen: 0.039 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.05 min
Lab File: VL037664.D
Acq: 23 Sep 2021 16:01

Tgt Ion: 84 Resp: 5708
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

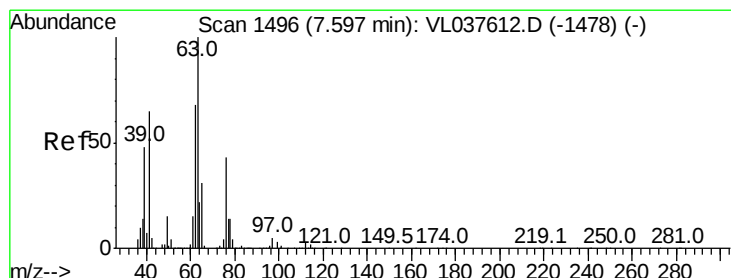
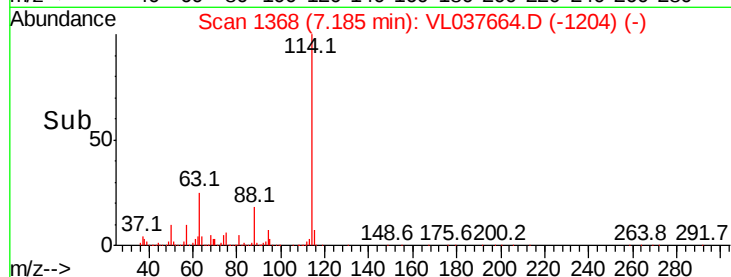
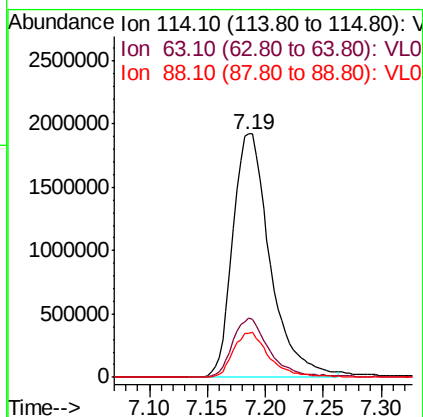
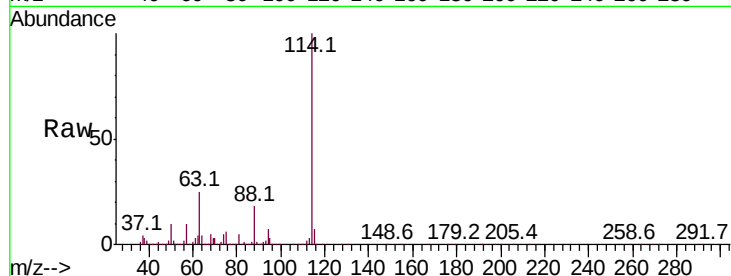




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.03 min
 Lab File: VL037664.D
 Acq: 23 Sep 2021 16:01

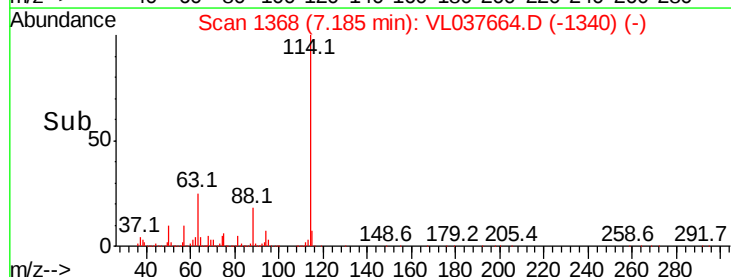
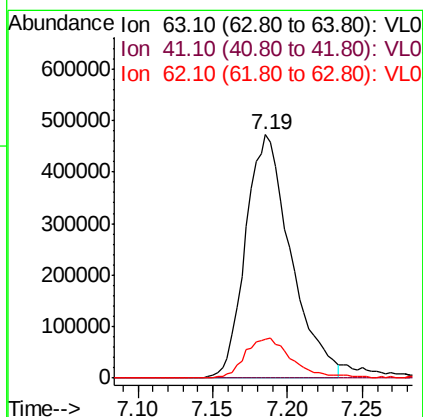
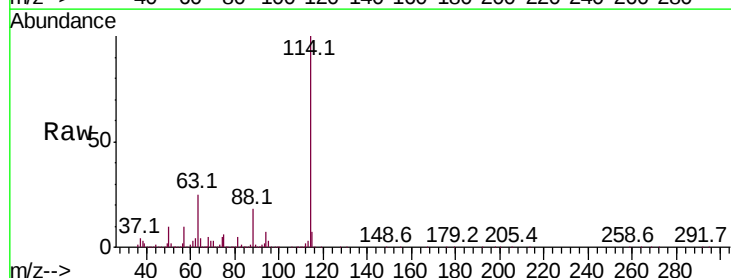
Instrument :
 MSVOA_L
 ClientSampleId :

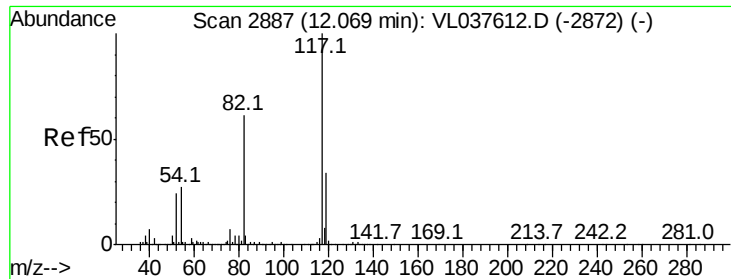
Tot Ion:114 Resp: 4304007
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 18.1 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 7.217 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.41 min
 Lab File: VL037664.D
 Acq: 23 Sep 2021 16:01

Tgt Ion: 63 Resp: 992082
 Ion Ratio Lower Upper
 63 100
 41 0.1 51.6 77.4#
 62 16.0 54.6 81.8#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2895

Delta R.T. 0.03 min

Lab File: VL037664.D

Acq: 23 Sep 2021 16:01

Instrument :

MSVOA_L

ClientSampleId :

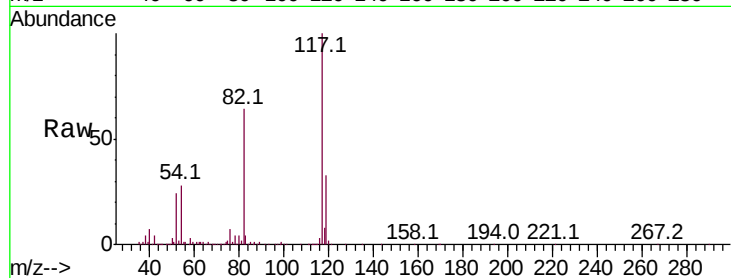
Tot Ion:117 Resp: 3657429

Ion Ratio Lower Upper

117 100

82 66.1 50.6 75.8

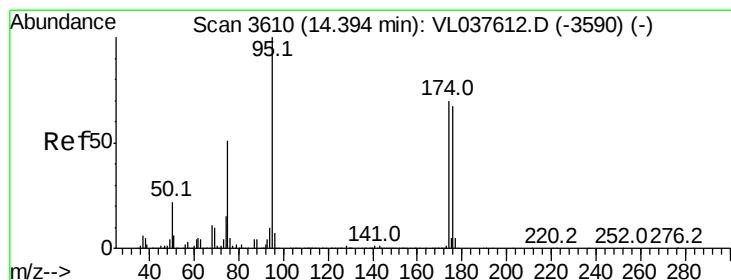
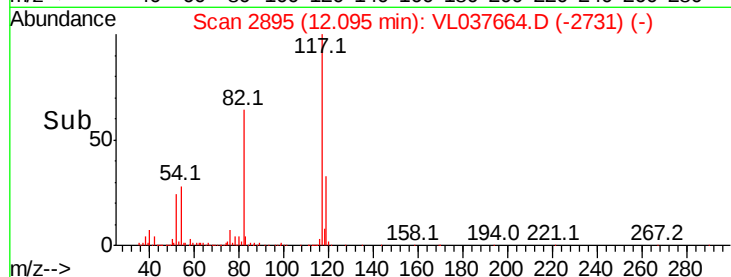
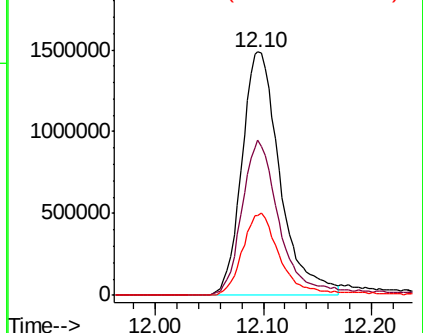
119 34.0 26.2 39.2



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: 10.057 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.03 min

Lab File: VL037664.D

Acq: 23 Sep 2021 16:01

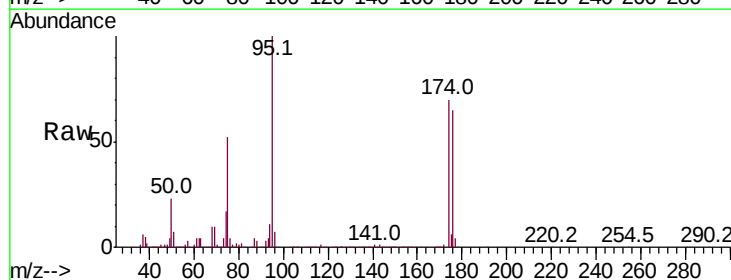
Tgt Ion: 95 Resp: 2658226

Ion Ratio Lower Upper

95 100

174 74.9 56.3 84.5

175 5.0 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

