

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090321\
 Data File : VL037525.D
 Acq On : 3 Sep 2021 17:35
 Operator : SY/AP
 Sample : CAN 10198
 Misc : 400mL/MSVOA L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10198

Quant Time: Sep 04 04:22:08 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	5.66	49	1524034	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4735460	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	4078732	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3089058	10.66	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.60%

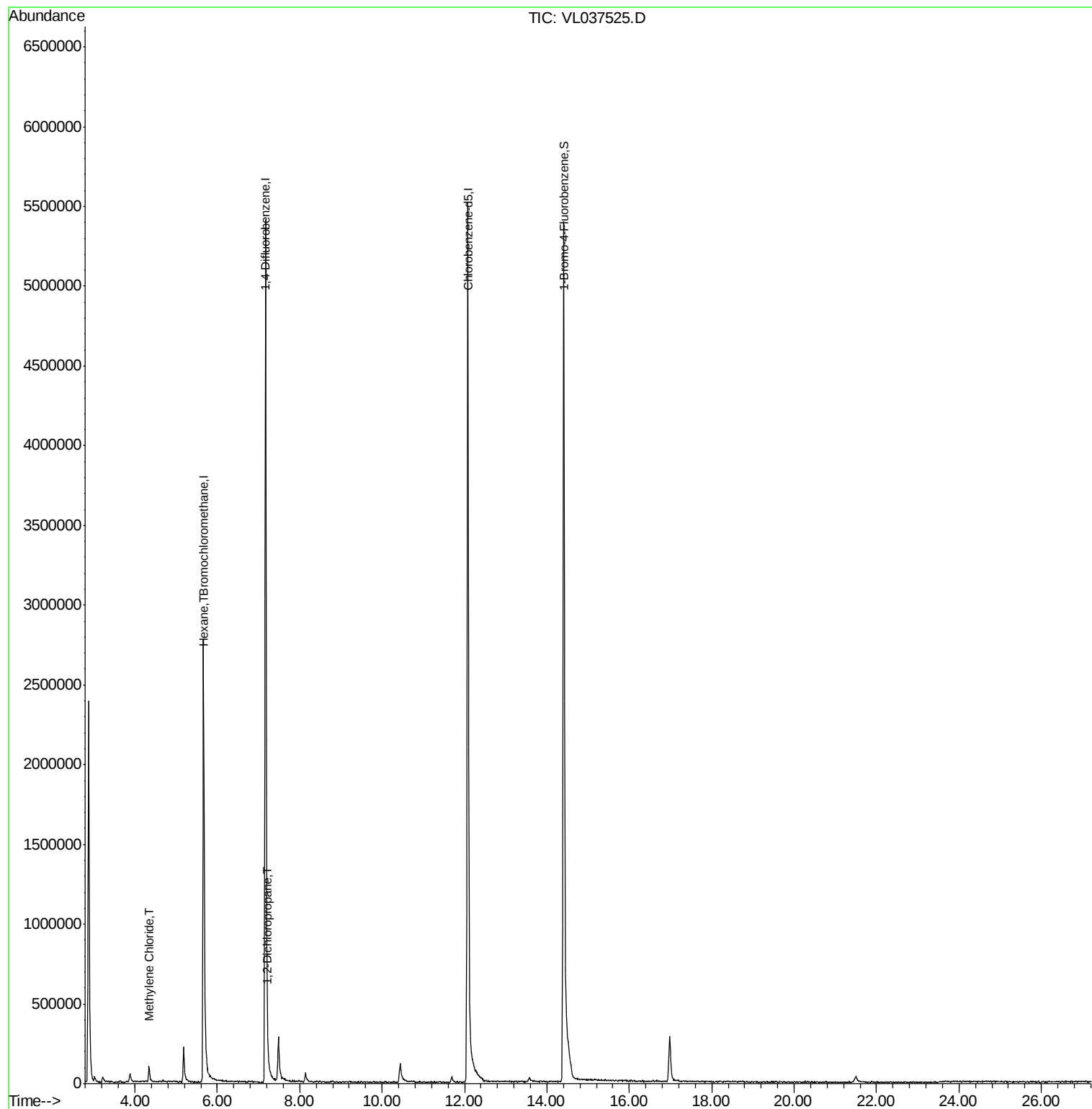
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.35	84	34763	0.448	ppbv	94
26) Hexane	5.68	57	9432	0.049	ppbv #	53
39) 1,2-Dichloropropane	7.23	63	18714	0.122	ppbv #	18

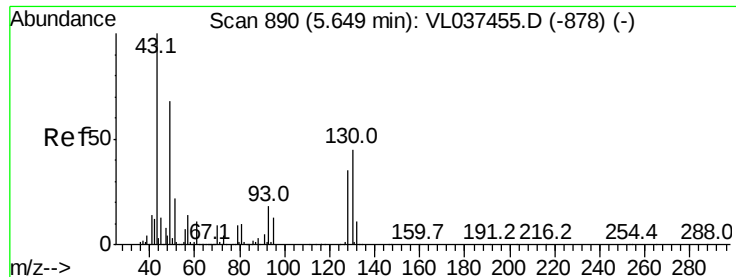
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037525.D

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Instrument :

MSVOA_L

ClientSampleId :

CAN 10198

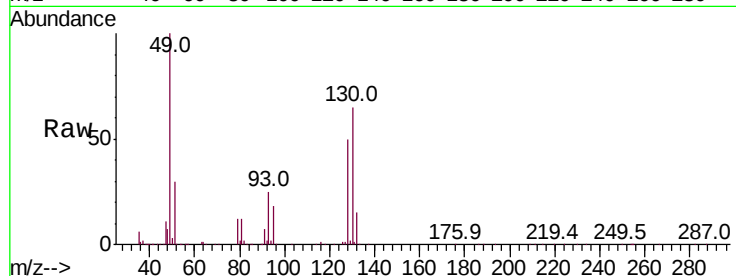
Tot Ion: 49 Resp: 1524034

Ion Ratio Lower Upper

49 100

128 59.2 27.5 82.4

130 76.4 34.0 101.8

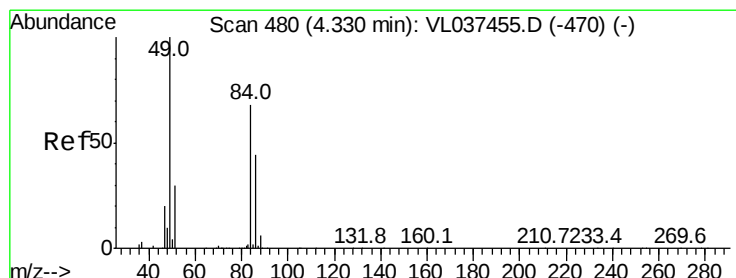
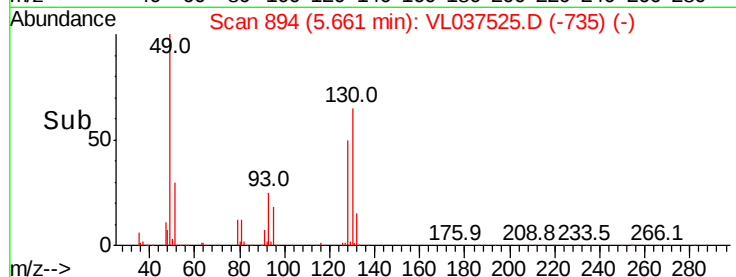
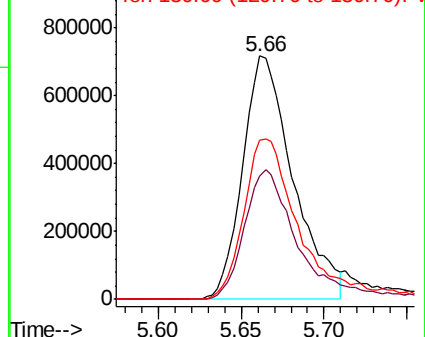


Abundance

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



#20

Methylene Chloride

Concen: 0.448 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.02 min

Lab File: VL037525.D

Acq: 3 Sep 2021 17:35

Tgt Ion: 84 Resp: 34763

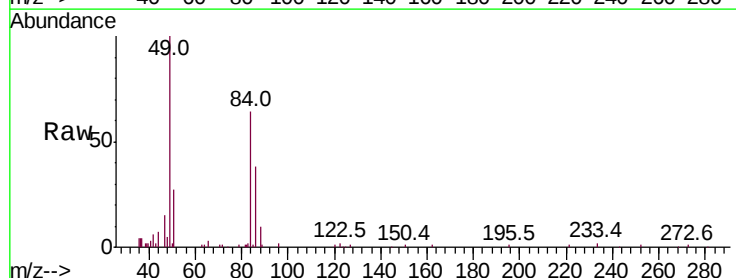
Ion Ratio Lower Upper

84 100

49 154.1 118.2 177.2

51 42.1 36.6 55.0

86 59.7 51.8 77.6



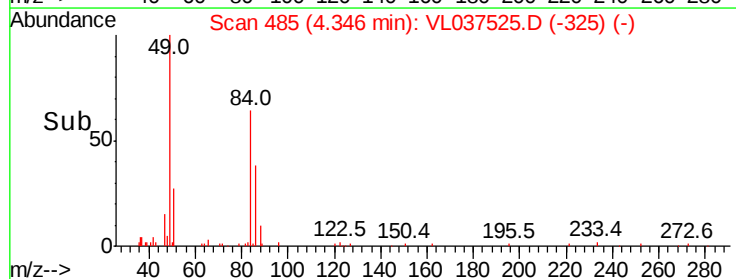
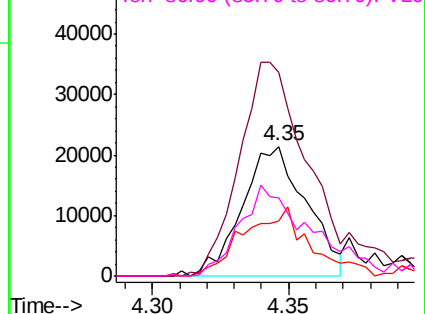
Abundance

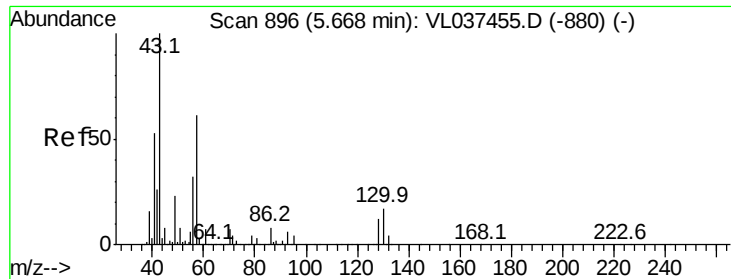
Ion 84.00 (83.70 to 84.70): VL0

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

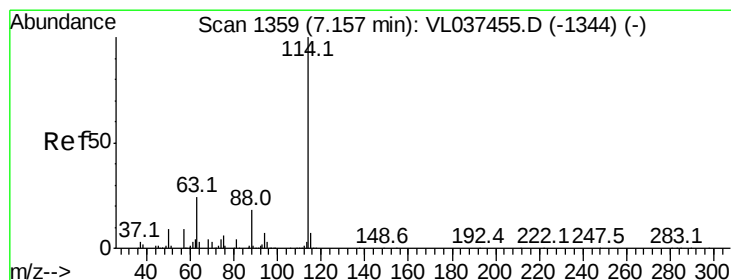
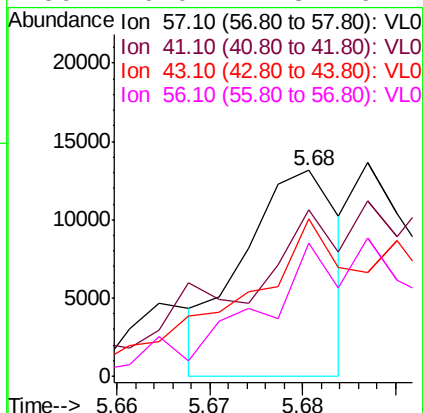
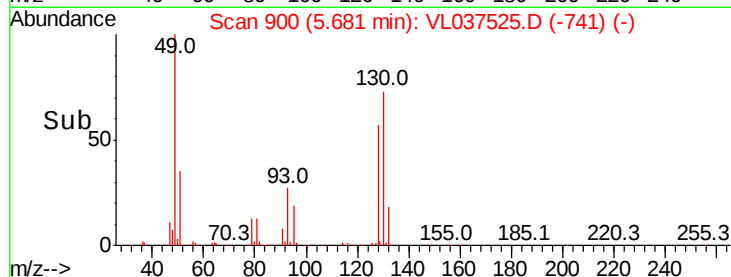
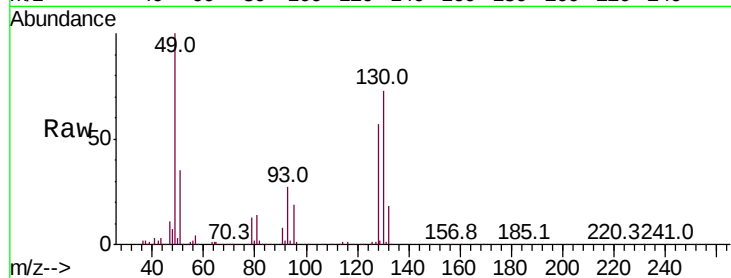




#26
Hexane
Concen: 0.049 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037525.D
Acq: 3 Sep 2021 17:35

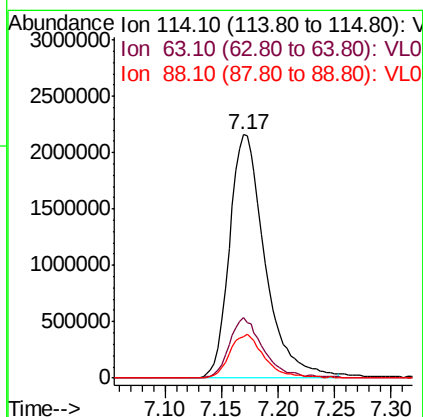
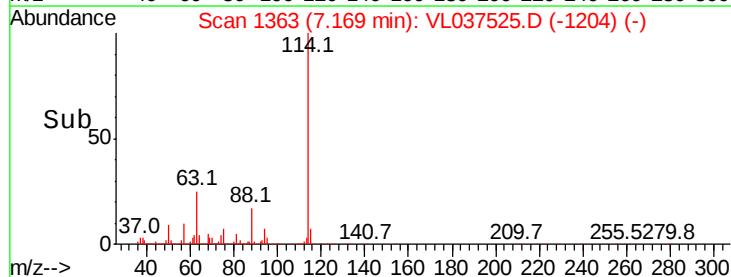
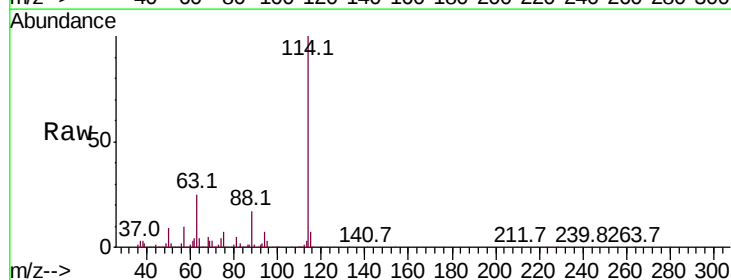
Instrument :
MSVOA_L
ClientSampleId :
CAN 10198

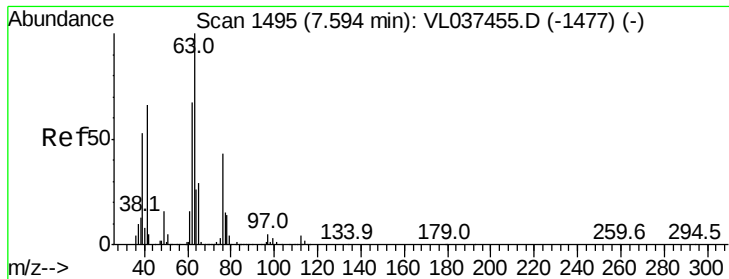
Tot Ion: 57 Resp: 9432
Ion Ratio Lower Upper
57 100
41 0.0 72.3 108.5#
43 185.0 172.3 258.5
56 0.0 42.8 64.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VL037525.D
Acq: 3 Sep 2021 17:35

Tgt Ion: 114 Resp: 4735460
Ion Ratio Lower Upper
114 100
63 24.4 19.3 28.9
88 18.0 14.2 21.4





#39

1,2-Dichloropropane

Concen: 0.122 ppbv

RT: 7.23 min Scan# 1382

Delta R.T. -0.36 min

Lab File: VL037525.D

Acq: 3 Sep 2021 17:35

Instrument :

MSVOA_L

ClientSampleId :

CAN 10198

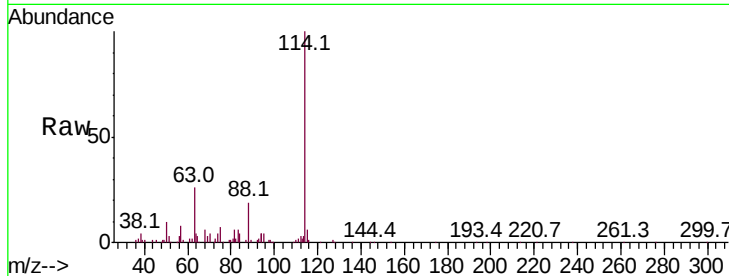
Tot Ion: 63 Resp: 18714

Ion Ratio Lower Upper

63 100

41 0.0 52.4 78.6#

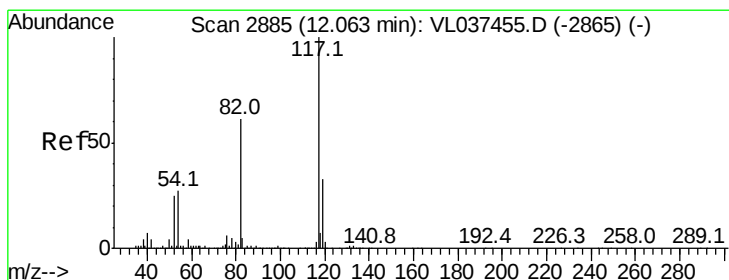
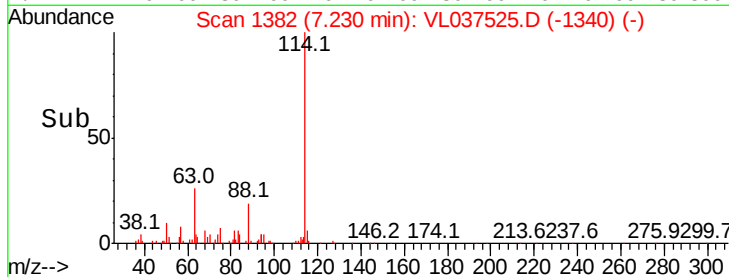
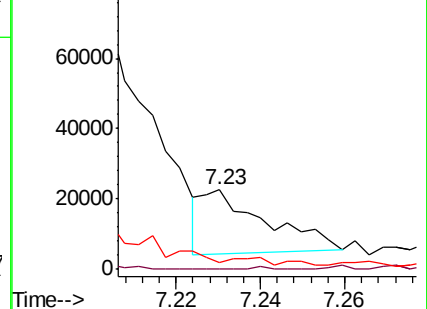
62 1.2 53.6 80.4#



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: 12.08 min Scan# 2890

Delta R.T. 0.02 min

Lab File: VL037525.D

Acq: 3 Sep 2021 17:35

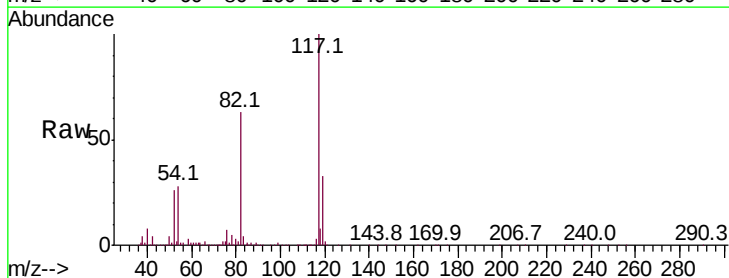
Tgt Ion: 117 Resp: 4078732

Ion Ratio Lower Upper

117 100

82 64.8 52.9 79.3

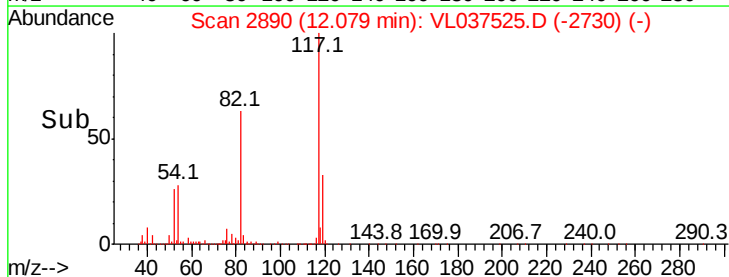
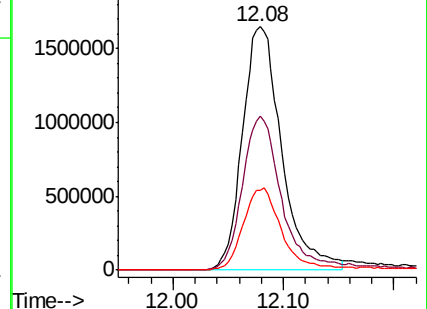
119 35.0 24.8 37.2

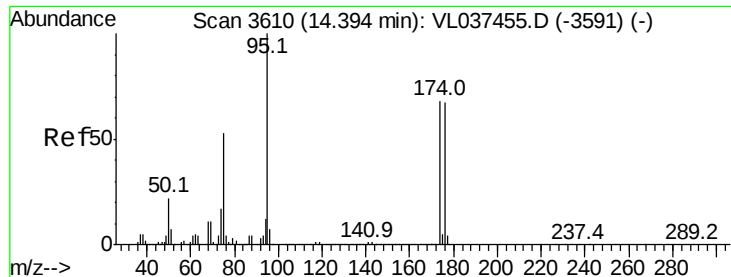


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.660 ppbv

RT: 14.41 min Scan# 3614

Delta R.T. 0.01 min

Lab File: VL037525.D

Acq: 3 Sep 2021 17:35

Instrument :

MSVOA_L

ClientSampleId :

CAN 10198

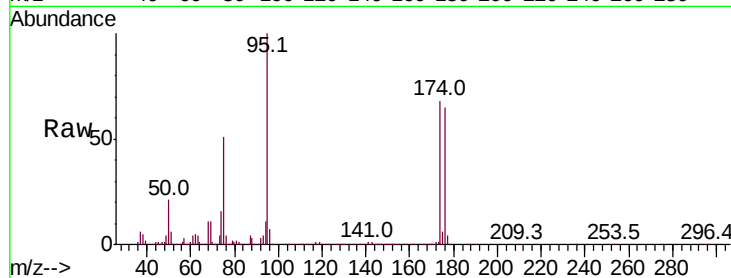
Tot Ion: 95 Resp: 3089058

Ion Ratio Lower Upper

95 100

174 73.8 59.6 89.4

175 5.0 4.6 7.0



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

