

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035326.D
 Acq On : 3 Aug 2020 23:35
 Operator : SY/AP
 Sample : L3540-01DL DUP 120X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01DL

Quant Time: Aug 04 12:11:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04 05:31:29 2020
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1144044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2886576	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2671970	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2170523	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

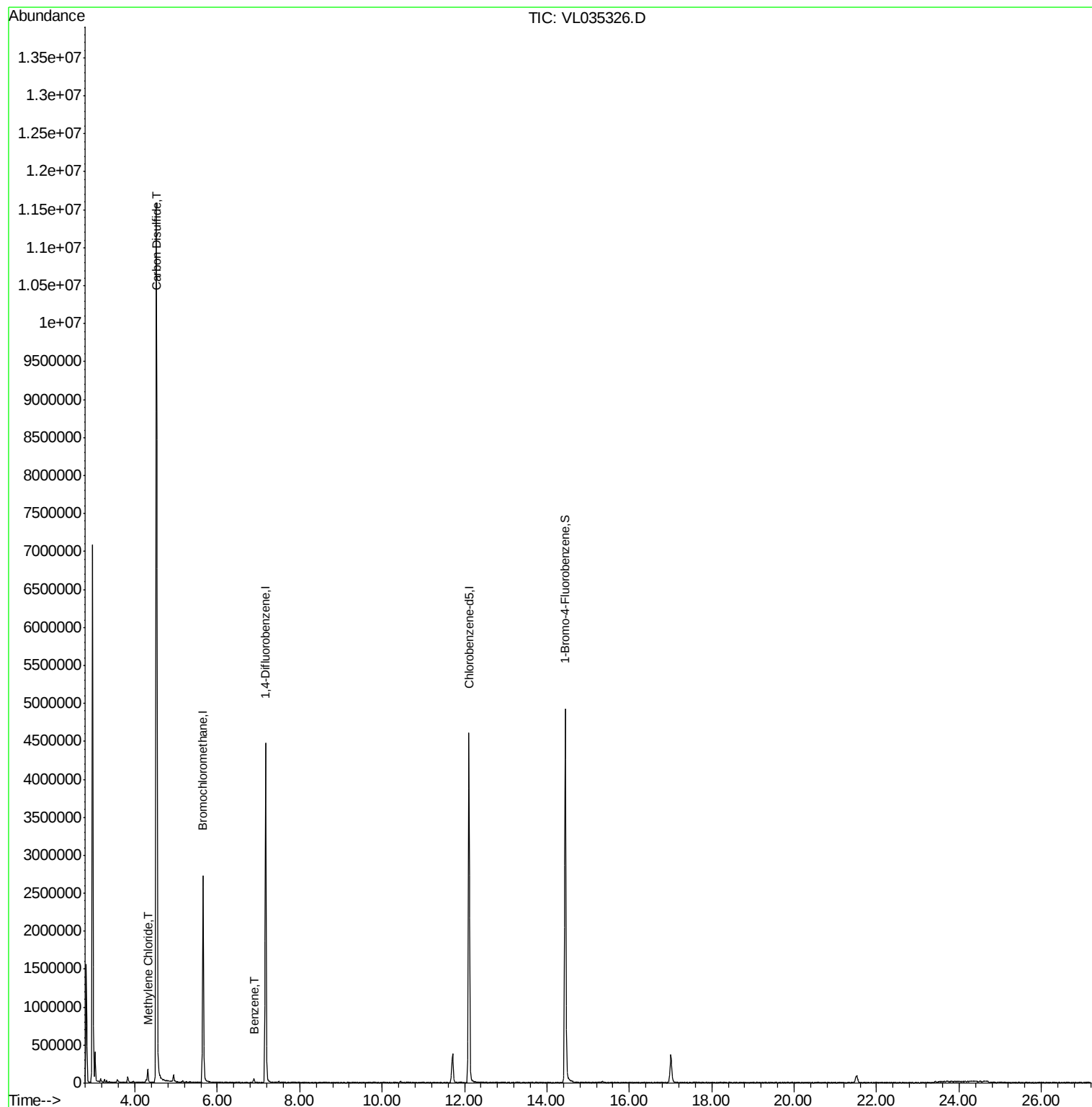
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.31	84	52577	0.696	ppbv	95
27) Carbon Disulfide	4.52	76	13418060	89.070	ppbv #	69
36) Benzene	6.88	78	33170	0.157	ppbv #	90

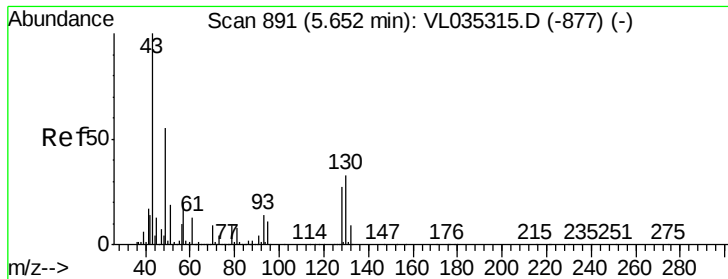
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 04 05:31:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035326.D

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Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01DL

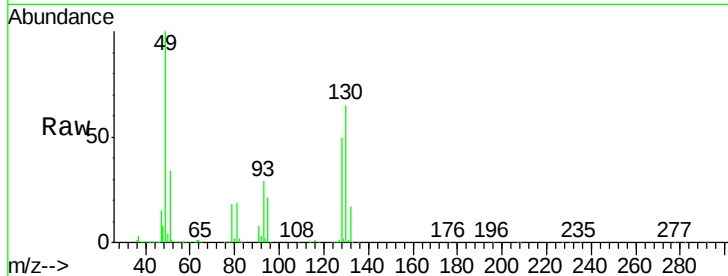
Tot Ion: 49 Resp: 1144044

Ion Ratio Lower Upper

49 100

128 52.0 23.8 71.5

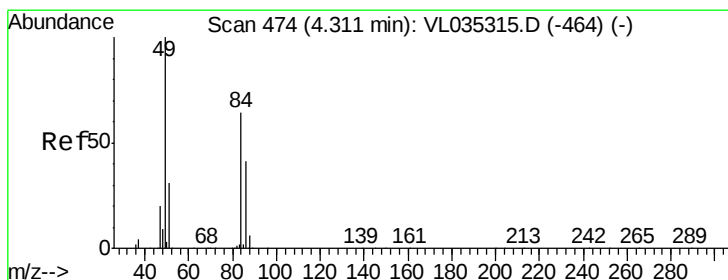
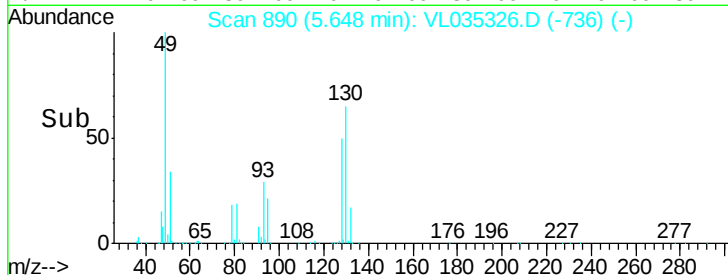
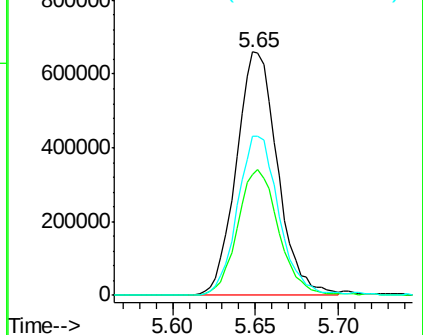
130 66.5 31.4 94.3



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



#20

Methylene Chloride

Concen: 0.696 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

Tgt Ion: 84 Resp: 52577

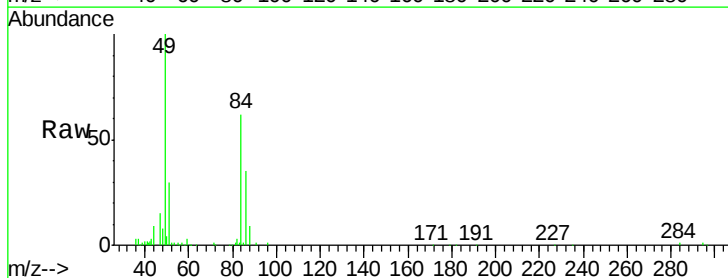
Ion Ratio Lower Upper

84 100

49 162.0 124.2 186.2

51 47.5 38.6 58.0

86 57.2 51.0 76.4

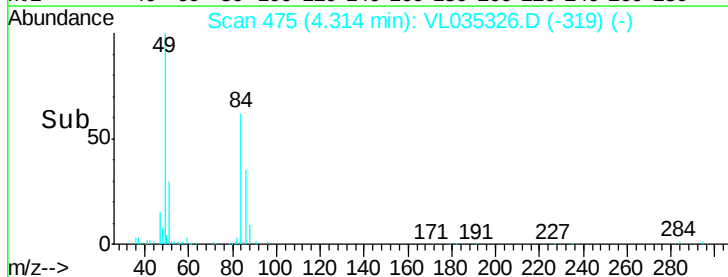
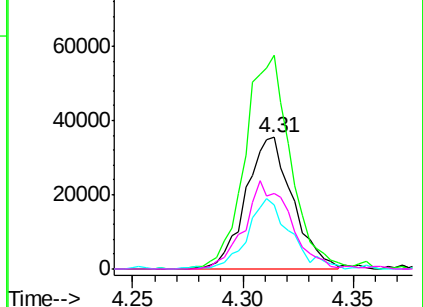


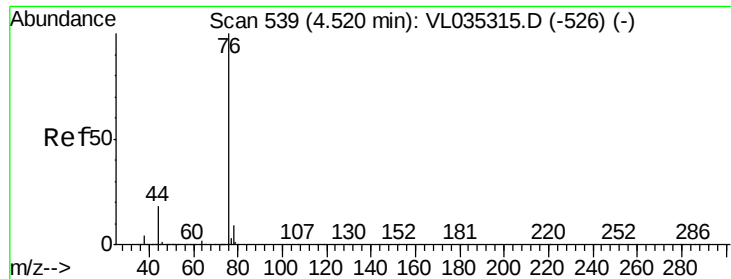
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#27

Carbon Disulfide

Concen: 89.070 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035326.D

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LAGCARB-IN-01DL

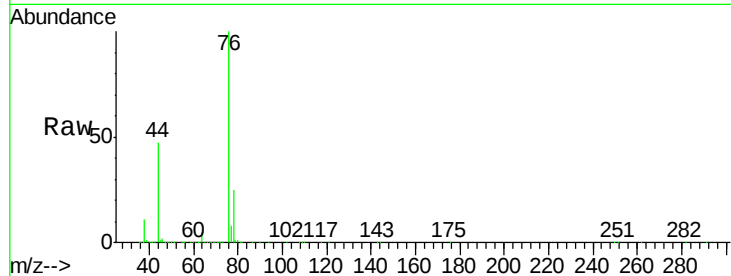
Tot Ion: 76 Resp:13418060

Ion Ratio Lower Upper

76 100

44 34.7 14.8 22.2#

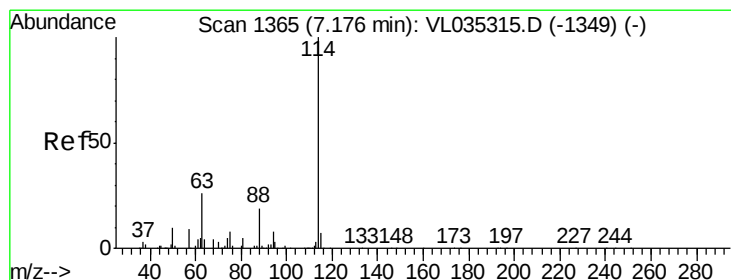
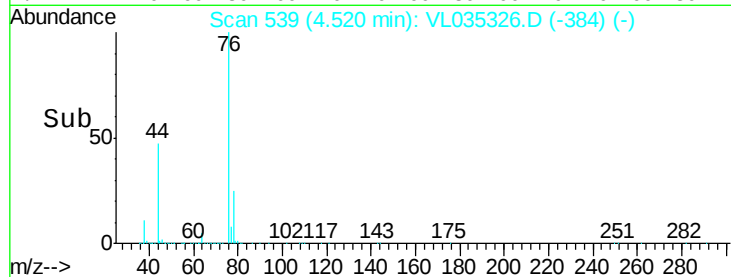
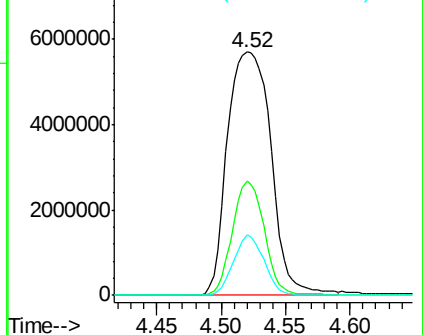
78 17.6 7.8 11.8#



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

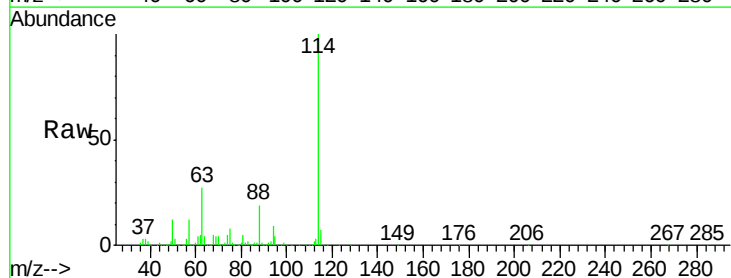
Tgt Ion:114 Resp: 2886576

Ion Ratio Lower Upper

114 100

63 27.5 21.5 32.3

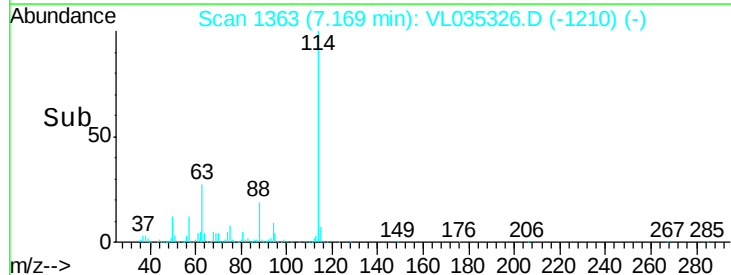
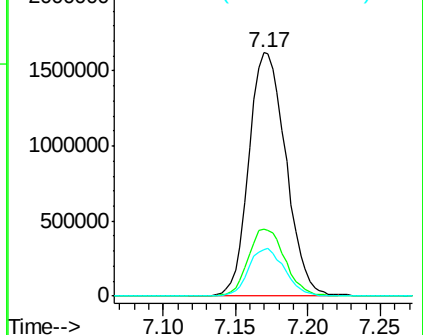
88 19.0 15.3 22.9

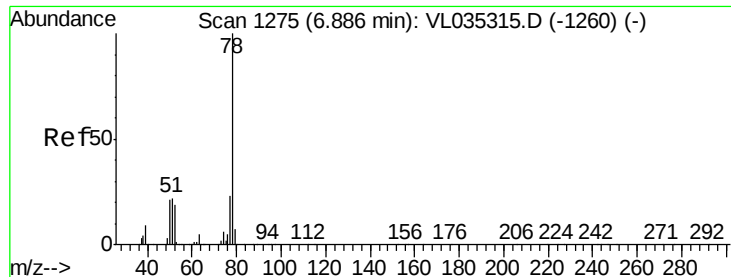


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#36

Benzene

Concen: 0.157 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

Instrument :

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LAGCARB-IN-01DL

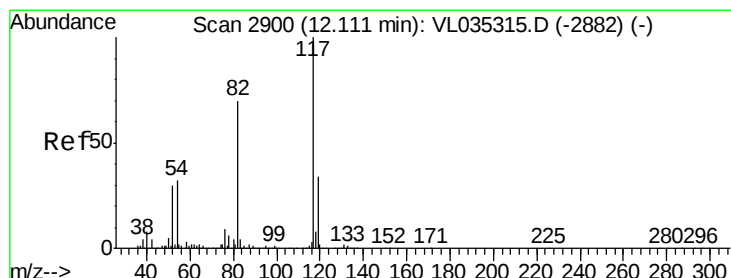
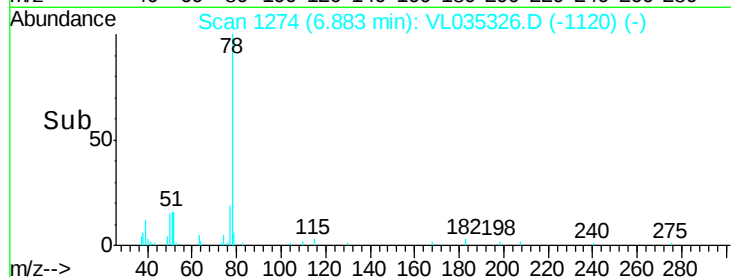
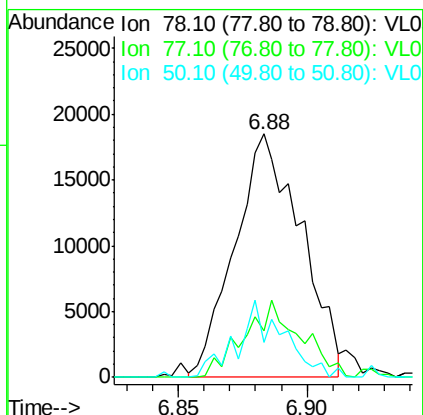
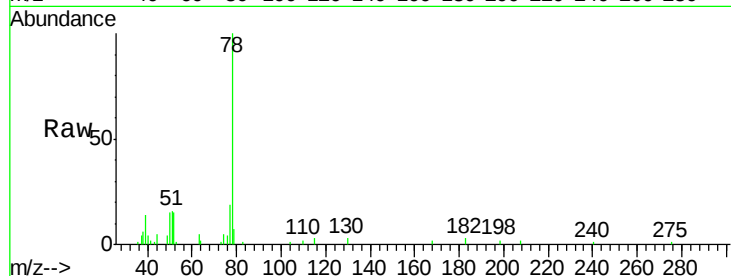
Tot Ion: 78 Resp: 33170

Ion Ratio Lower Upper

78 100

77 19.6 18.4 27.6

50 14.8 16.6 25.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.01 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

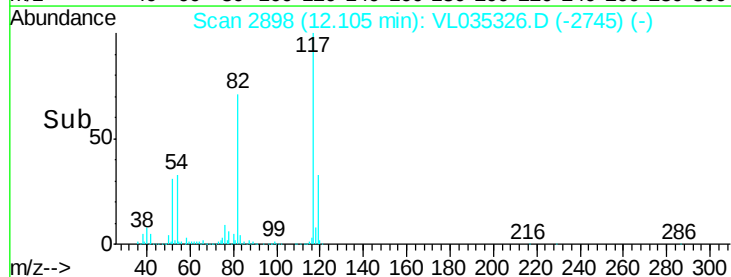
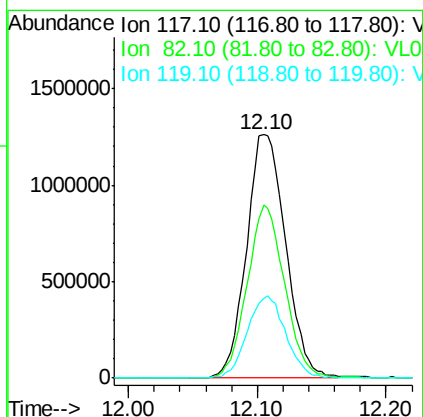
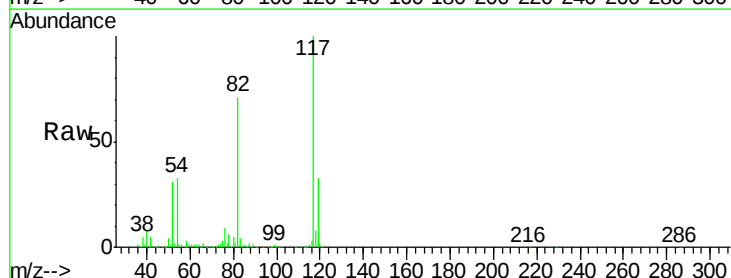
Tgt Ion: 117 Resp: 2671970

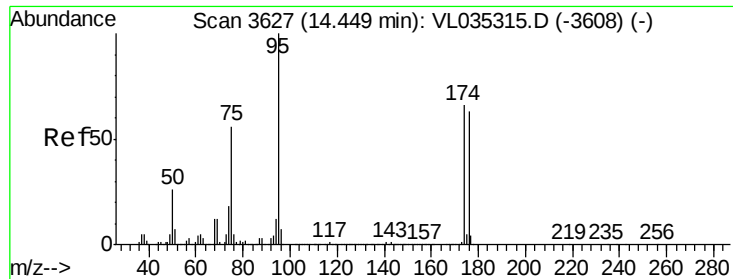
Ion Ratio Lower Upper

117 100

82 68.4 50.6 76.0

119 33.1 24.1 36.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.698 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL035326.D

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Instrument :

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ClientSampleId :

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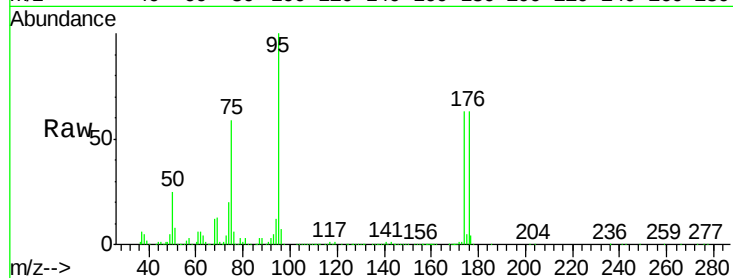
Tot Ion: 95 Resp: 2170523

Ion Ratio Lower Upper

95 100

174 66.8 52.5 78.7

175 5.1 3.9 5.9



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

