

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112921\
 Data File : VL038129.D
 Acq On : 29 Nov 2021 10:57
 Operator : SY/AP
 Sample : VL1129ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1129ABL01

Quant Time: Nov 30 05:15:12 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1011047	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2807795	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2390694	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1915865	11.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.10%

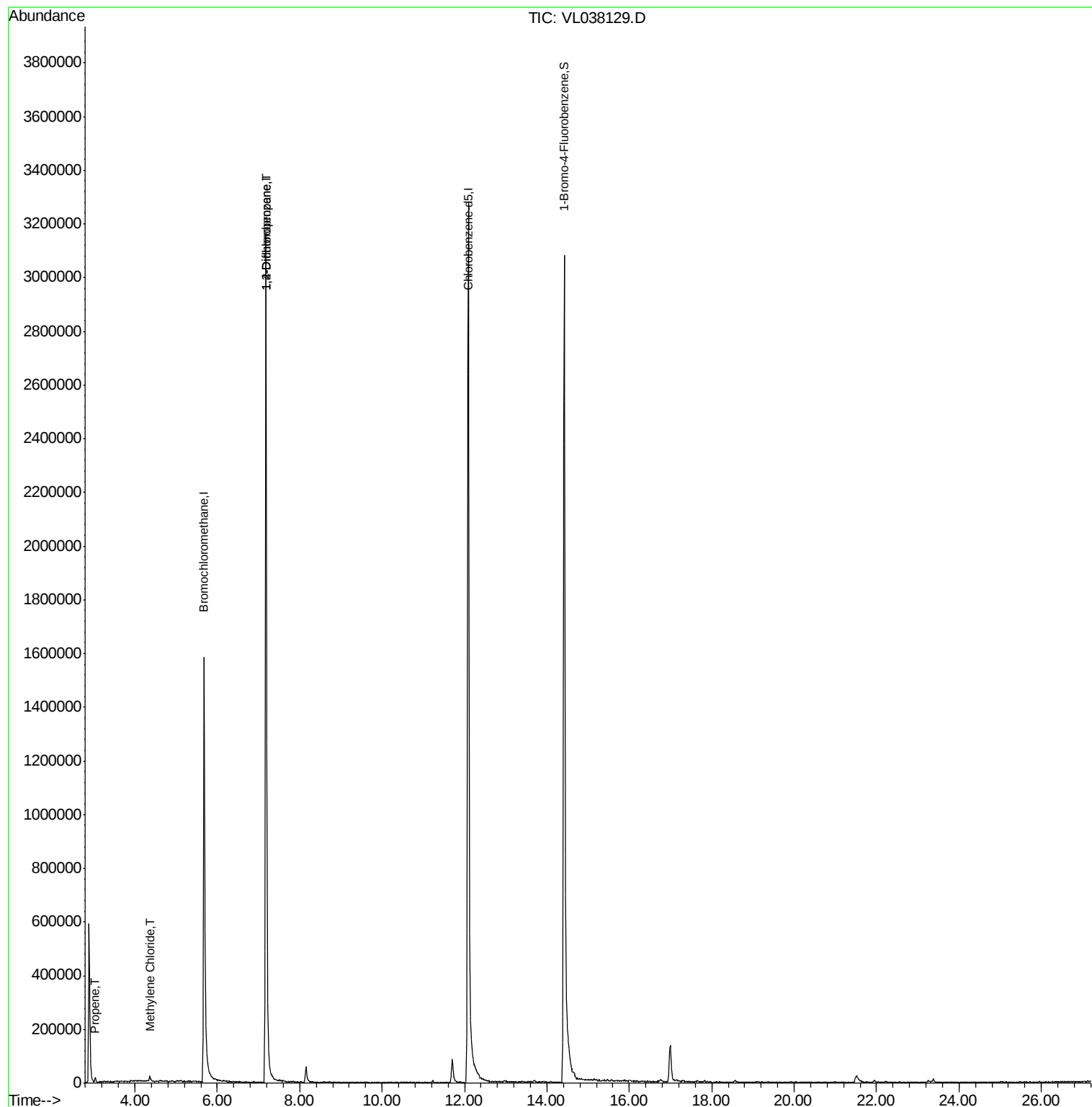
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	4589	0.059	ppbv	99
20) Methylene Chloride	4.35	84	2474	0.050	ppbv	94
39) 1,2-Dichloropropane	7.18	63	721414	6.715	ppbv #	28

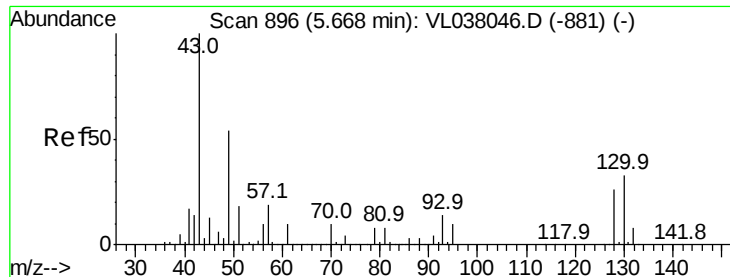
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VL1129ABL01

Acq: 29 Nov 2021 10:57

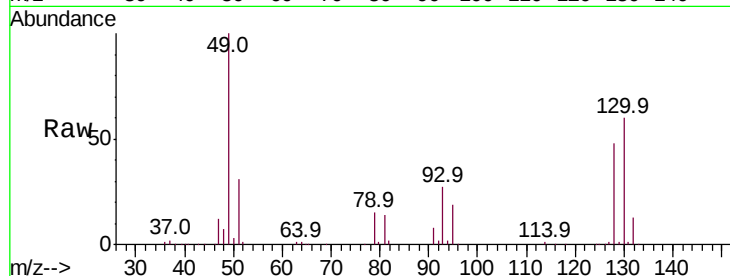
Tot Ion: 49 Resp: 1011047

Ion Ratio Lower Upper

49 100

128 48.8 26.5 79.5

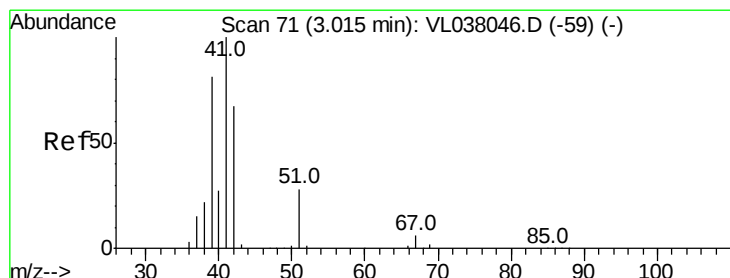
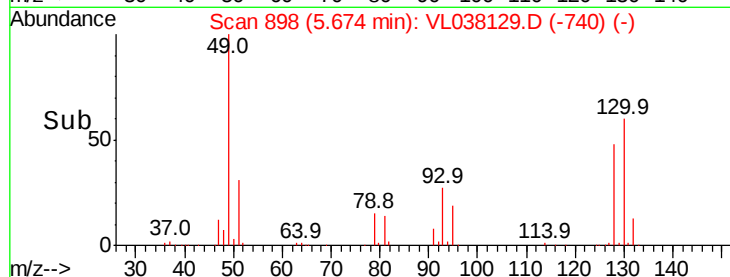
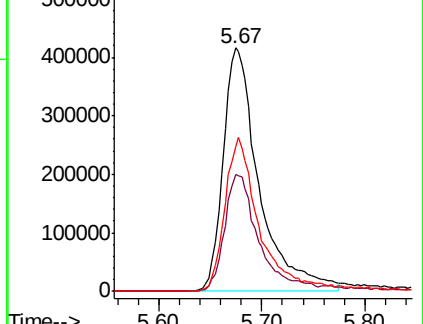
130 62.7 32.5 97.4



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: 0.059 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.02 min

Lab File: VL038129.D

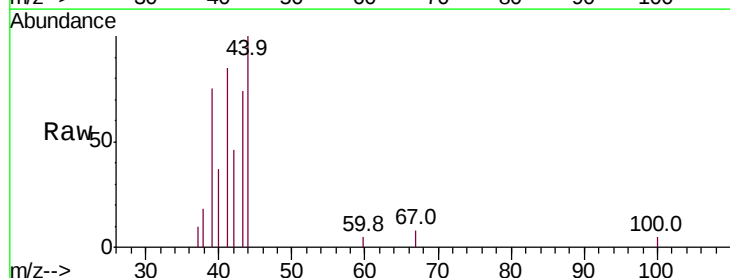
Acq: 29 Nov 2021 10:57

Tgt Ion: 41 Resp: 4589

Ion Ratio Lower Upper

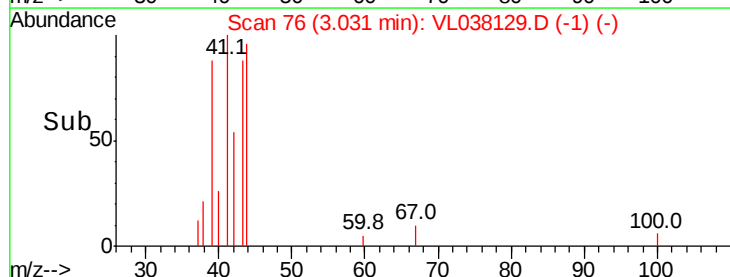
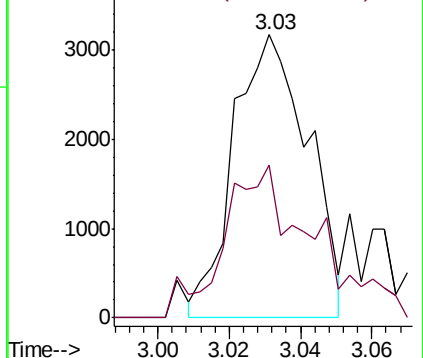
41 100

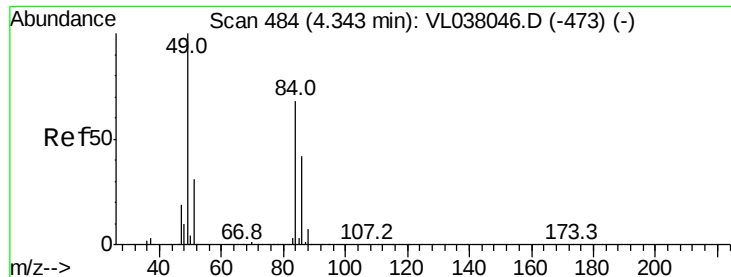
42 66.5 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#20

Methylene Chloride

Concen: 0.050 ppbv

RT: 4.35 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

VL1129ABL01

Acq: 29 Nov 2021 10:57

Tot Ion: 84 Resp: 2474

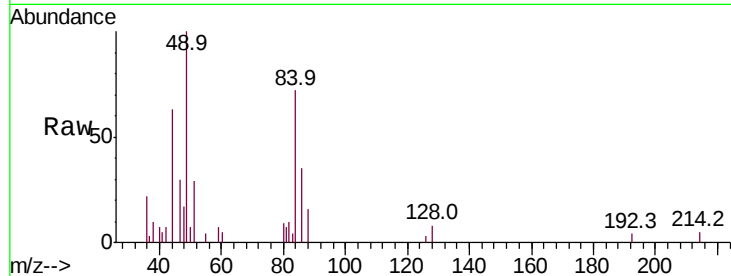
Ion Ratio Lower Upper

84 100

49 148.9 118.2 177.2

51 40.8 36.8 55.2

86 49.1 49.0 73.6

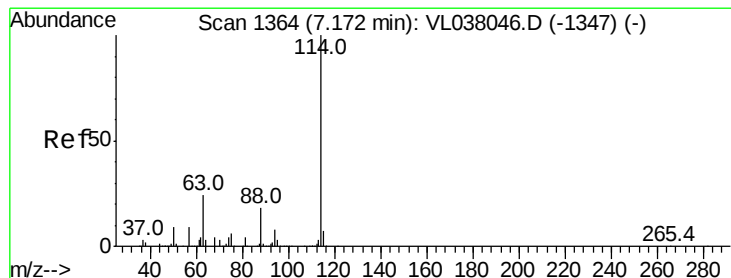
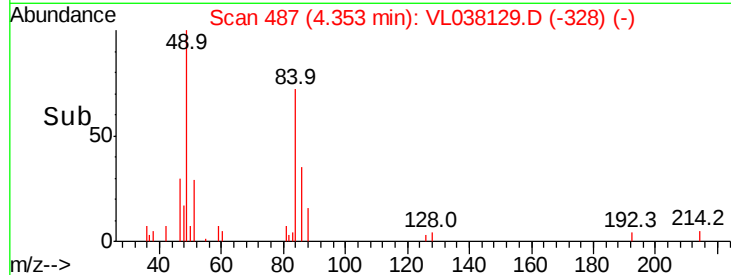
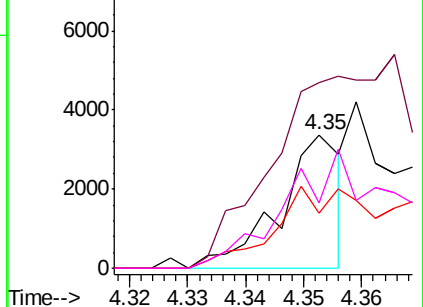


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL038129.D

Acq: 29 Nov 2021 10:57

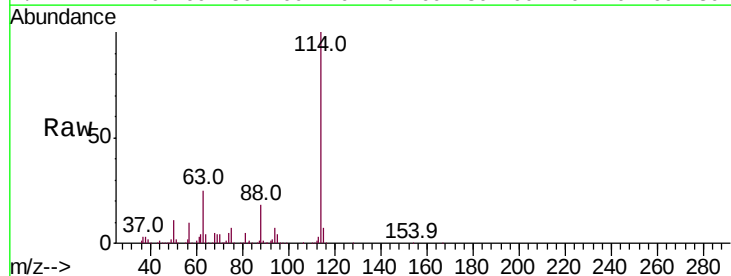
Tgt Ion:114 Resp: 2807795

Ion Ratio Lower Upper

114 100

63 26.4 19.7 29.5

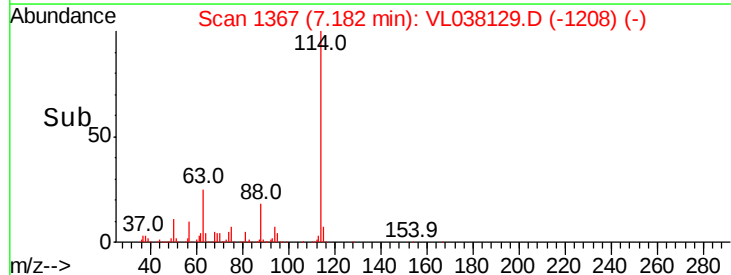
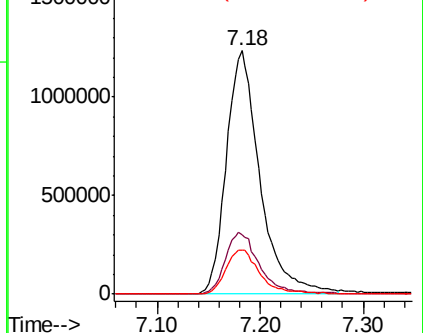
88 18.9 14.4 21.6

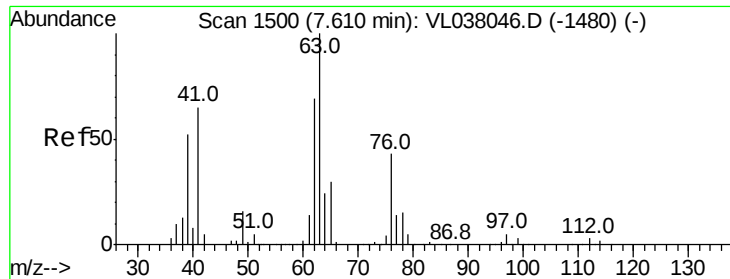


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 6.715 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

VL1129ABL01

Acq: 29 Nov 2021 10:57

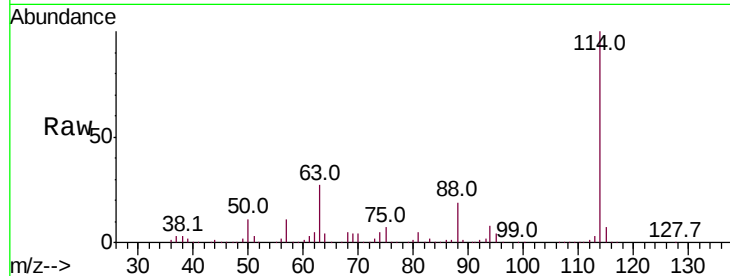
Tot Ion: 63 Resp: 721414

Ion Ratio Lower Upper

63 100

41 0.1 52.3 78.5#

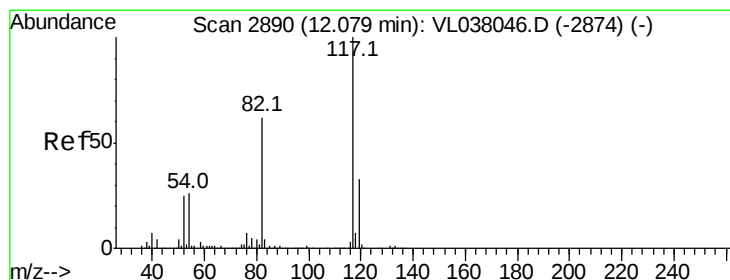
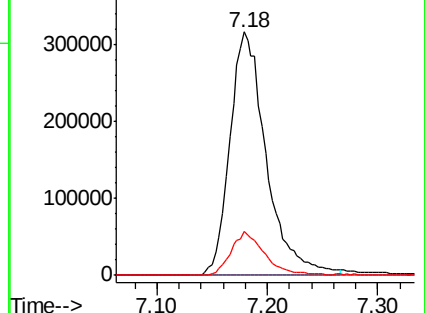
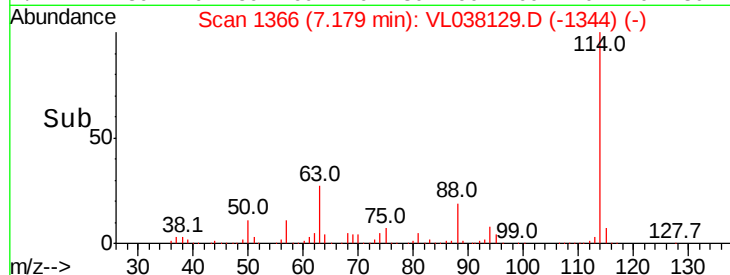
62 18.2 55.1 82.7#



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# 2893

Delta R.T. 0.01 min

Lab File: VL038129.D

Acq: 29 Nov 2021 10:57

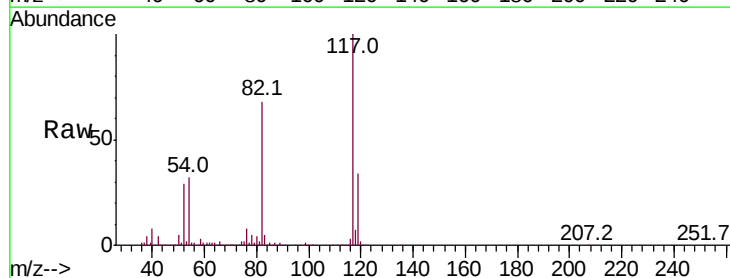
Tgt Ion:117 Resp: 2390694

Ion Ratio Lower Upper

117 100

82 71.7 52.8 79.2

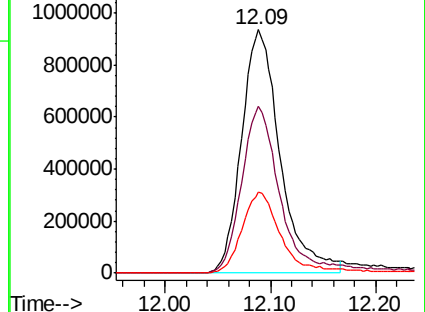
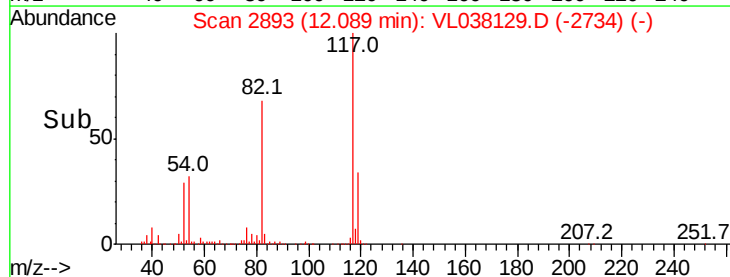
119 34.8 26.8 40.2

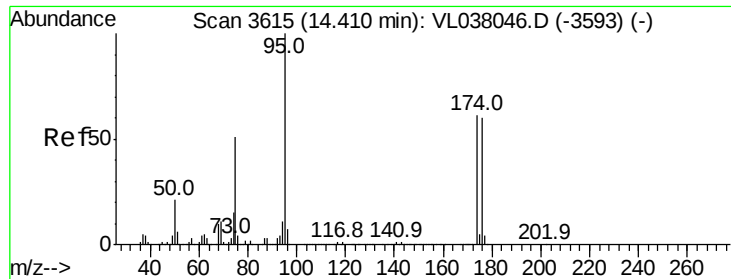


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.110 ppbv

RT: 14.42 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 29 Nov 2021 10:57

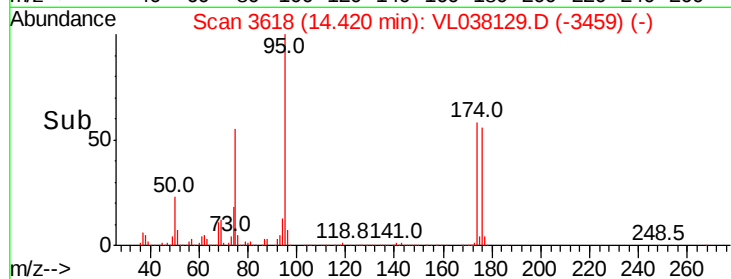
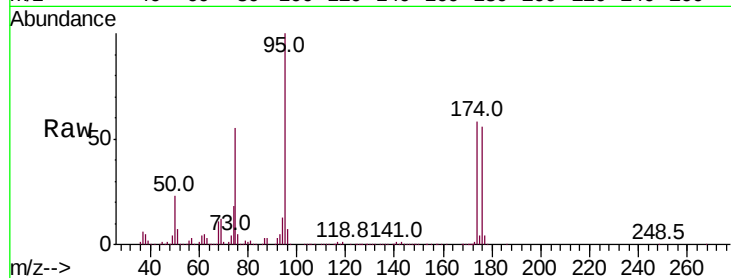
Tot Ion: 95 Resp: 1915865

Ion Ratio Lower Upper

95 100

174 62.1 53.1 79.7

175 4.4 4.0 6.0



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

