

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038095.D
 Acq On : 23 Nov 2021 11:53
 Operator : SY/AP
 Sample : VL1123ABL01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1123ABL01

Quant Time: Nov 24 06:53:29 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	962806	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2666760	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2381880	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1823486	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

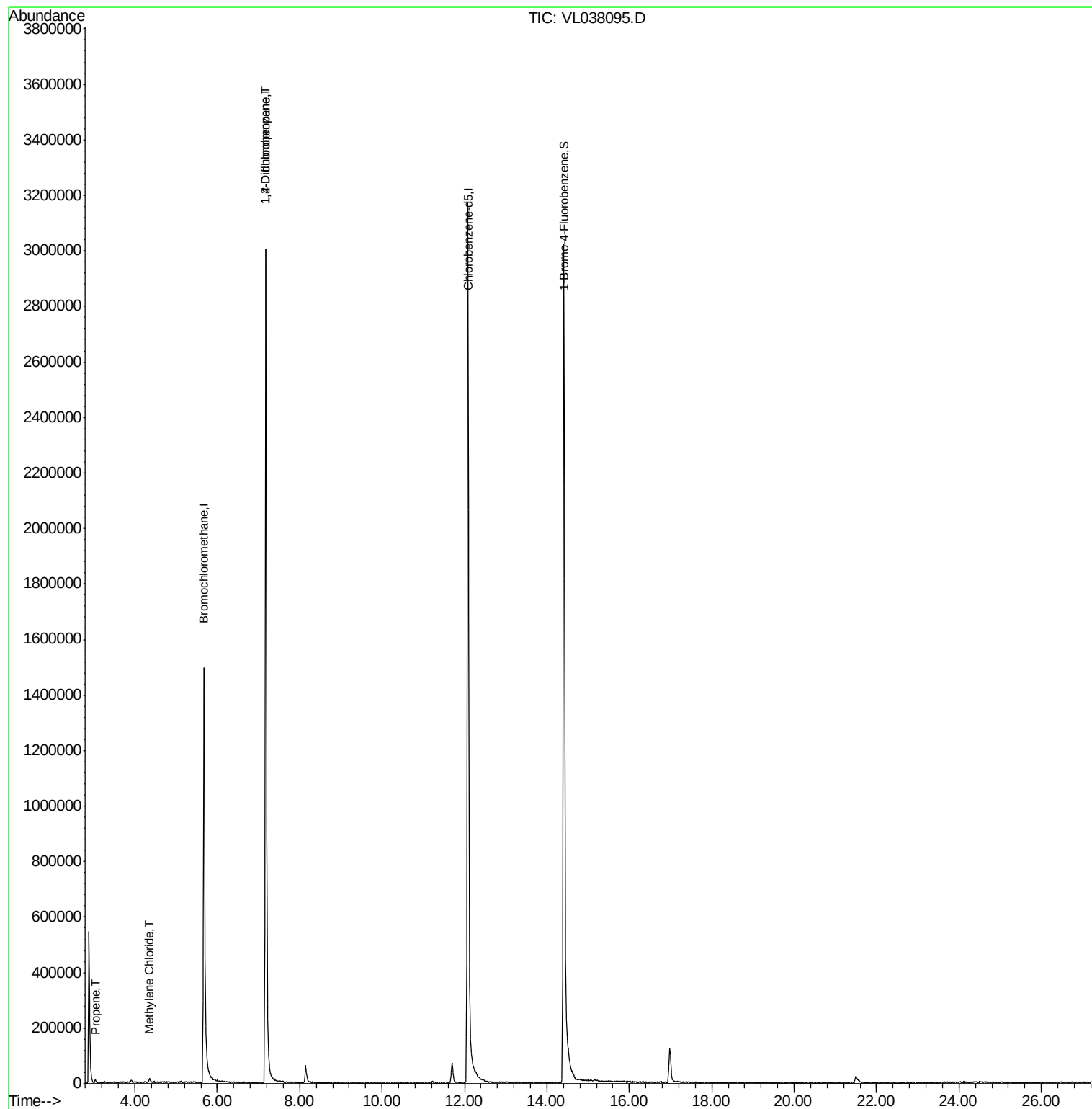
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	3400	0.046	ppbv	96
20) Methylene Chloride	4.35	84	2959	0.063	ppbv	96
39) 1,2-Dichloropropane	7.18	63	679990	6.664	ppbv #	26

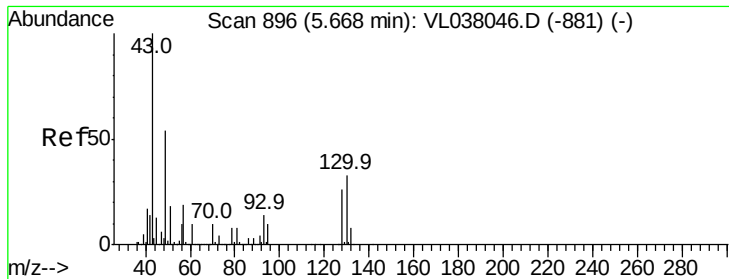
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 23 Nov 2021 11:53

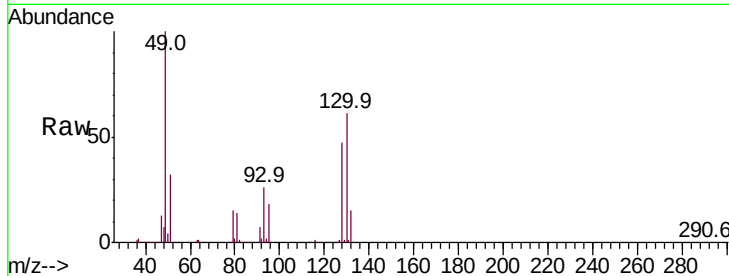
Tot Ion: 49 Resp: 962806

Ion Ratio Lower Upper

49 100

128 48.5 26.5 79.5

130 63.7 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

500000

400000

300000

200000

100000

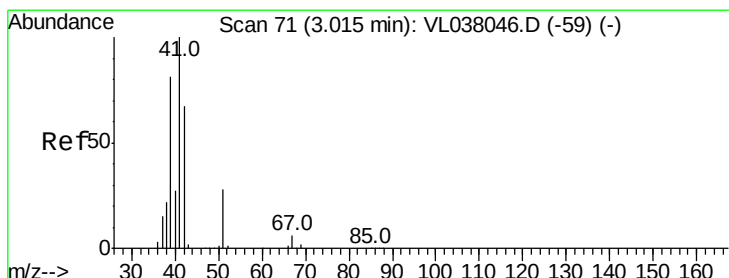
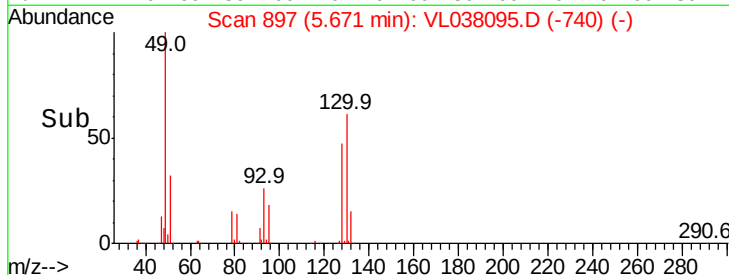
0

5.60

5.70

5.80

Time-->



#9

Propene

Concen: 0.046 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL038095.D

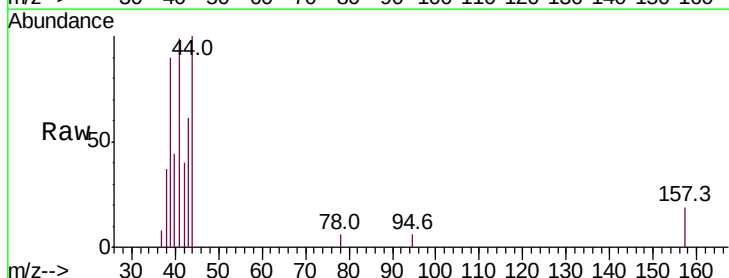
Acq: 23 Nov 2021 11:53

Tgt Ion: 41 Resp: 3400

Ion Ratio Lower Upper

41 100

42 64.1 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3000

2500

2000

1500

1000

500

0

2.98

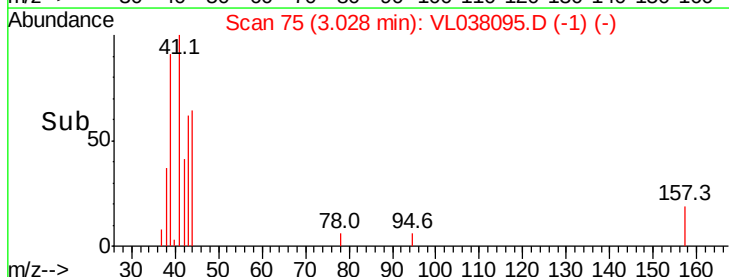
3.00

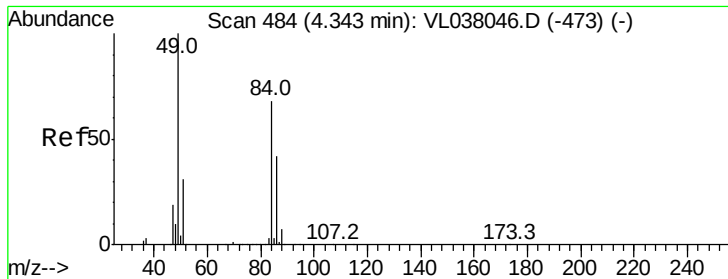
3.02

3.04

3.06

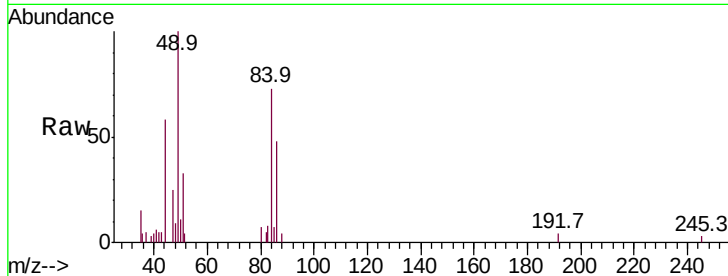
Time-->



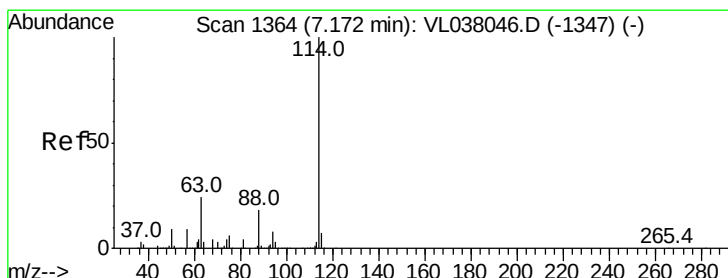
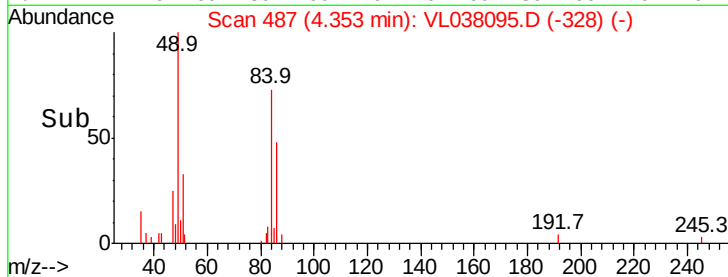
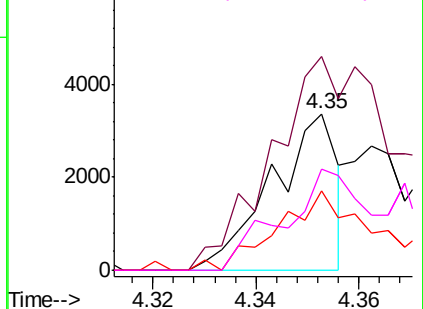


#20
Methylene Chloride
Concen: 0.063 ppbv
RT: 4.35
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId : VL1123ABL01
Acq: 23 Nov 2021 11:55

Tot Ion:	84	Resp:	2959
Ion	Ratio	Lower	Upper
84	100		
49	151.5	118.2	177.2
51	50.6	36.8	55.2
86	64.9	49.0	73.6

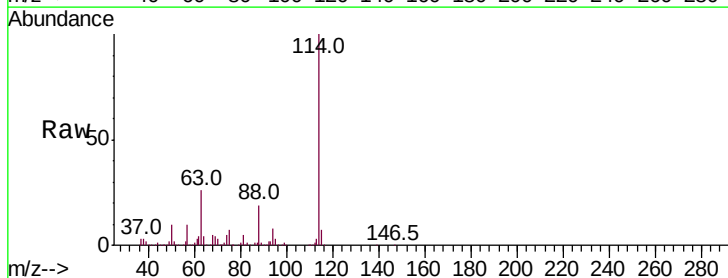


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

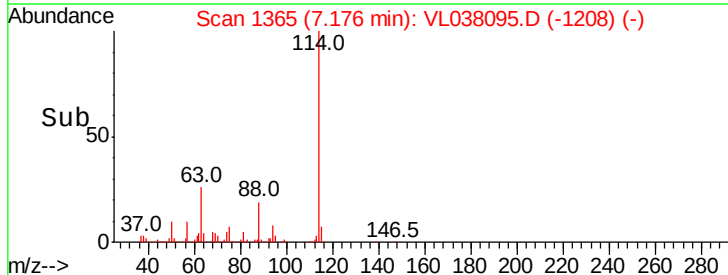
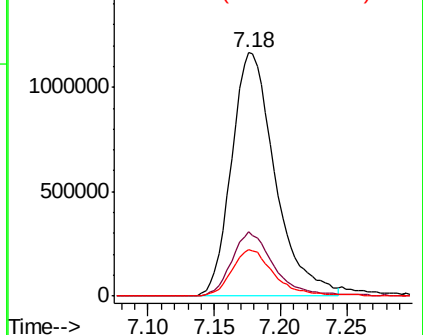


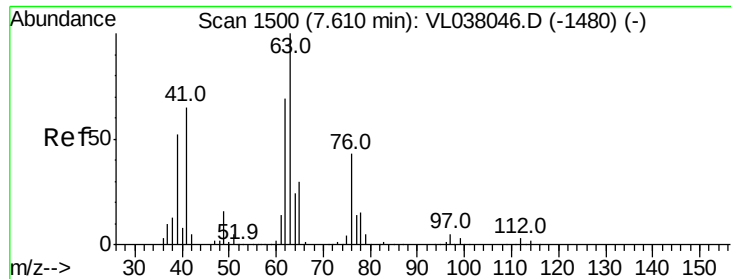
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T.: 0.00 min
Lab File: VL038095.D
Acq: 23 Nov 2021 11:53

Tgt Ion:	114	Resp:	2666760
Ion	Ratio	Lower	Upper
114	100		
63	26.2	19.7	29.5
88	19.2	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: 6.664 ppbv

RT: 7.18 Instrument:

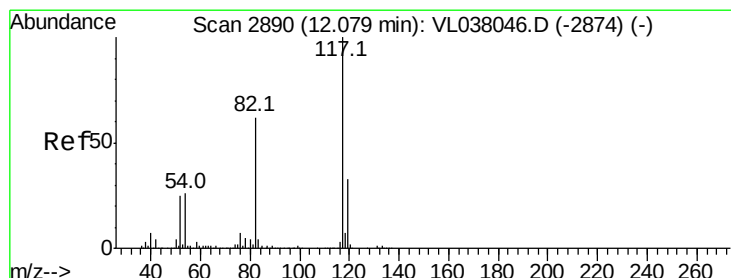
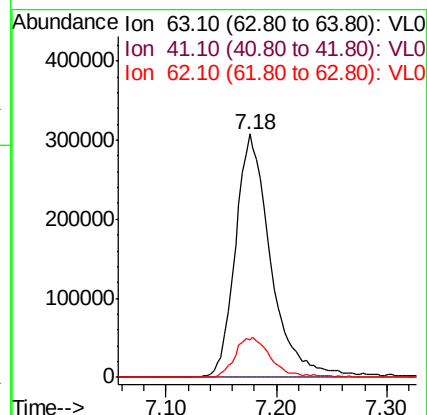
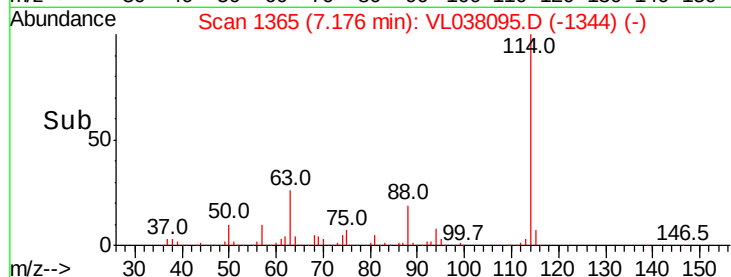
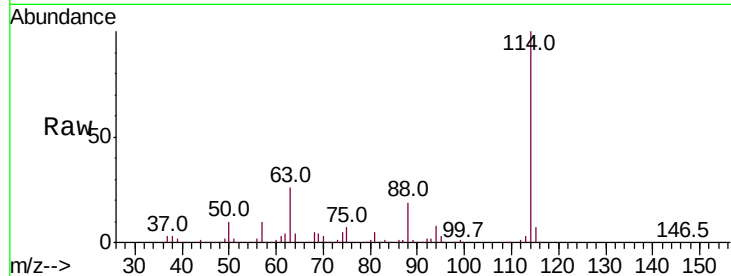
Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 23 Nov 2021 11:53

Tot Ion: 63 Resp: 679990

Ion	Ratio	Lower	Upper
63	100		
41	0.1	52.3	78.5#
62	15.3	55.1	82.7#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

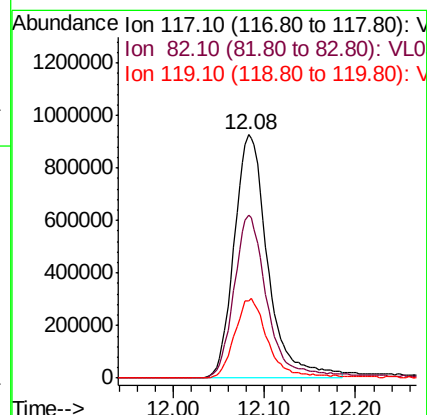
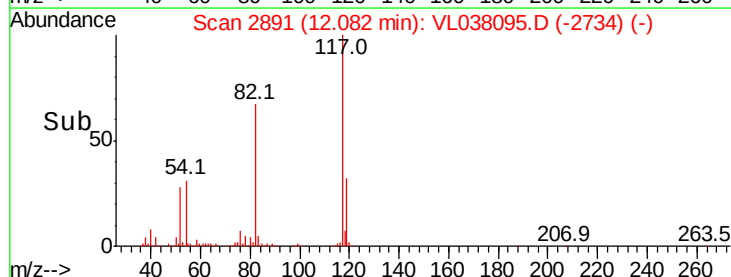
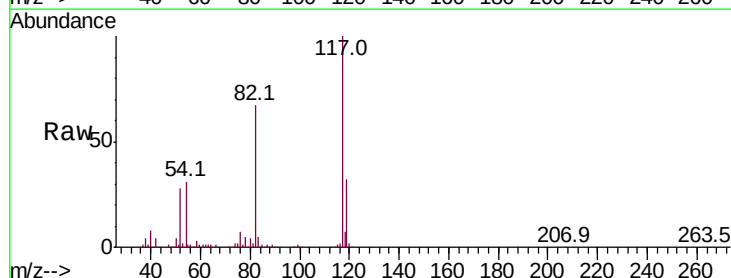
Delta R.T. 0.00 min

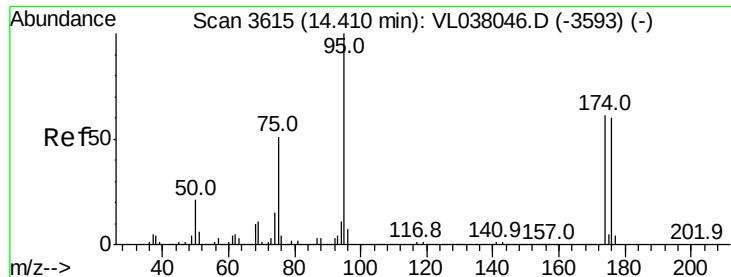
Lab File: VL038095.D

Acq: 23 Nov 2021 11:53

Tgt Ion: 117 Resp: 2381880

Ion	Ratio	Lower	Upper
117	100		
82	69.6	52.8	79.2
119	33.6	26.8	40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.613 ppbv

RT: 14.41 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

VL1123ABL01

Acq: 23 Nov 2021 11:55

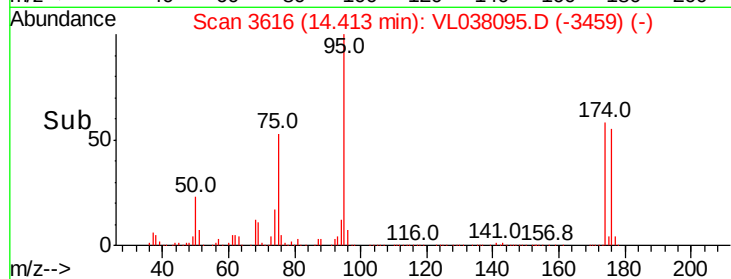
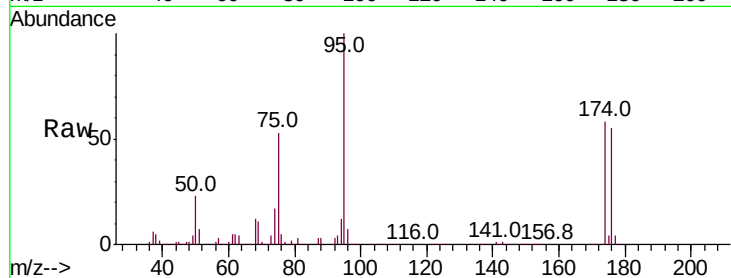
Tot Ion: 95 Resp: 1823486

Ion Ratio Lower Upper

95 100

174 62.6 53.1 79.7

175 4.6 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

