

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040522\
 Data File : VL038824.D
 Acq On : 6 Apr 2022 8:27
 Operator : SY/AP
 Sample : QC040522 CAN10315
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC040522 CAN10315

Quant Time: Apr 07 03:10:08 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1417372	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3928138	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.10	117	3359146	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2612025	10.25	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

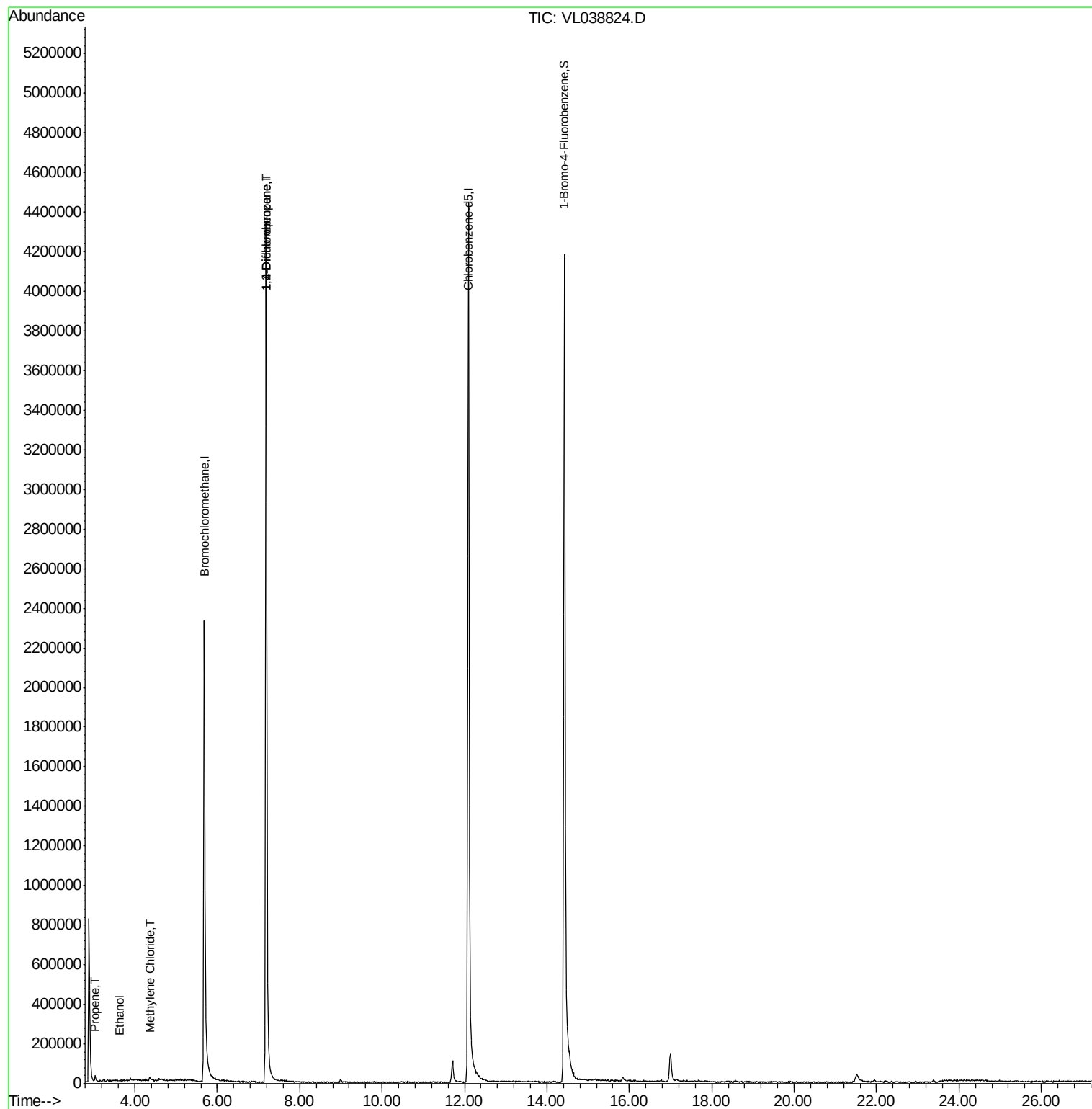
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	3420	0.037	ppbv #	16
13) Ethanol	3.62	45	450	0.081	ppbv #	100
20) Methylene Chloride	4.36	84	4958	0.097	ppbv #	77
39) 1,2-Dichloropropane	7.19	63	977103	7.149	ppbv #	26

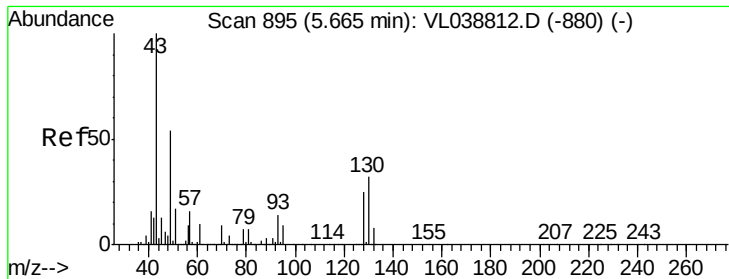
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: QC040522 CAN10315

Acq: 6 Apr 2022 8:27

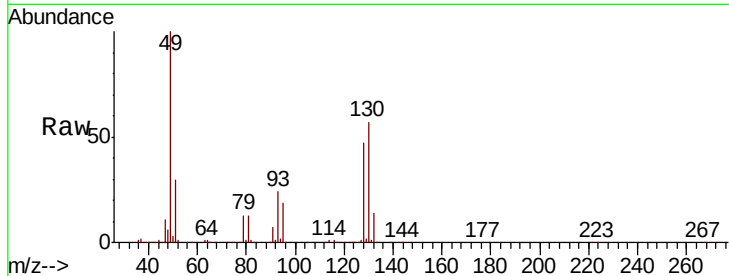
Tot Ion: 49 Resp: 1417372

Ion Ratio Lower Upper

49 100

128 50.5 24.1 72.3

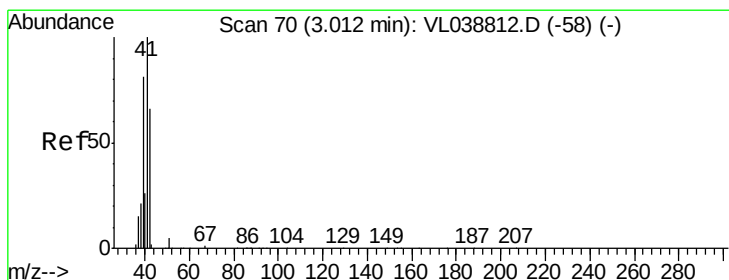
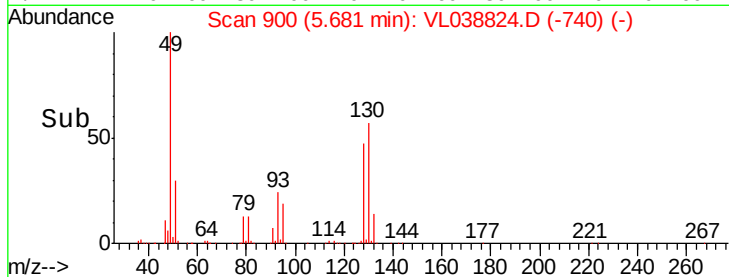
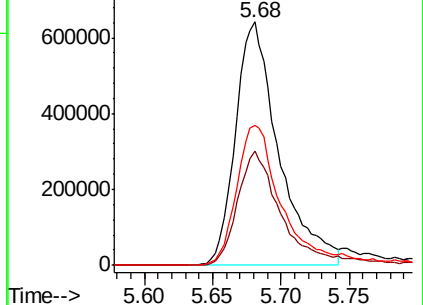
130 63.8 30.9 92.8



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



#9

Propene

Concen: 0.037 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL038824.D

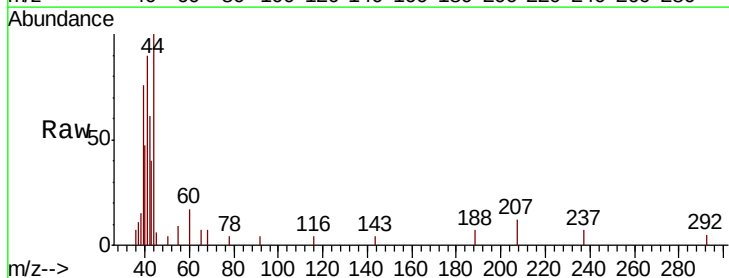
Acq: 6 Apr 2022 8:27

Tgt Ion: 41 Resp: 3420

Ion Ratio Lower Upper

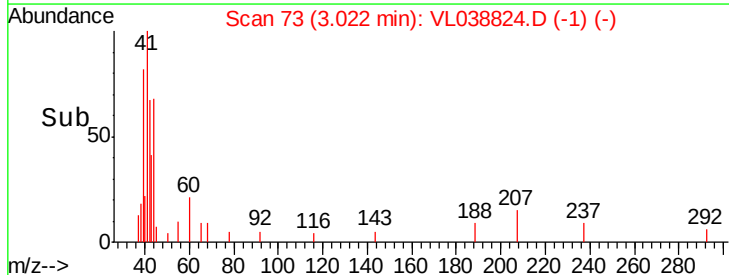
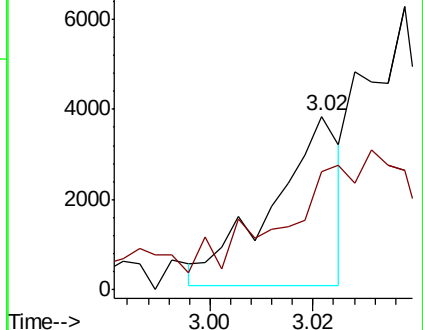
41 100

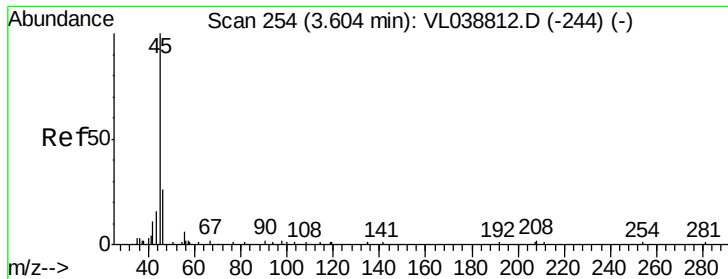
42 0.0 54.2 81.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

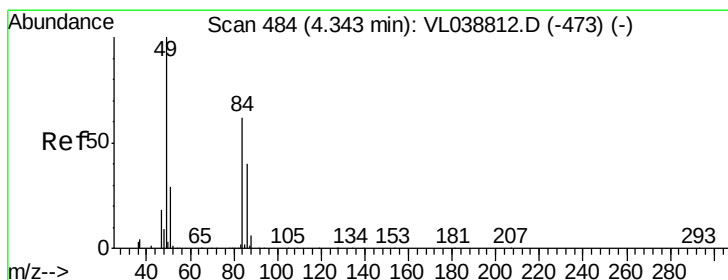
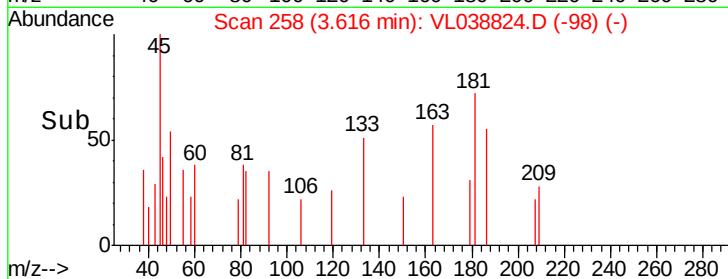
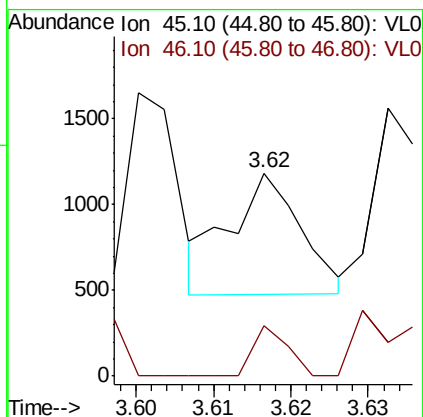
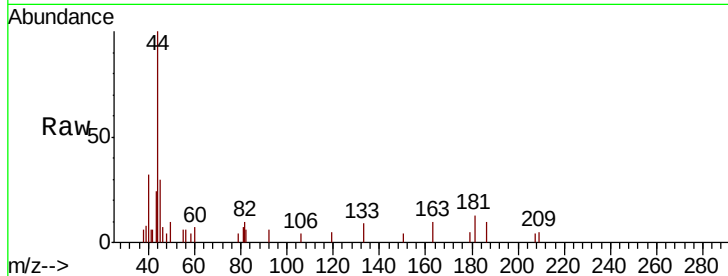
Ion 42.10 (41.80 to 42.80): VL0





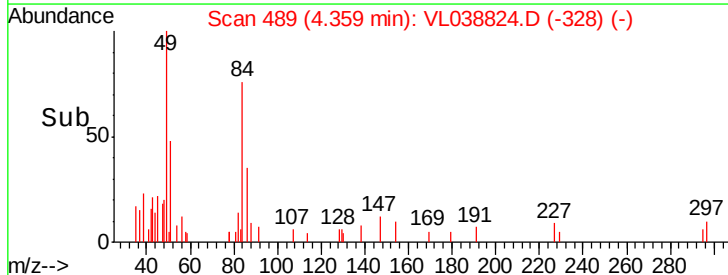
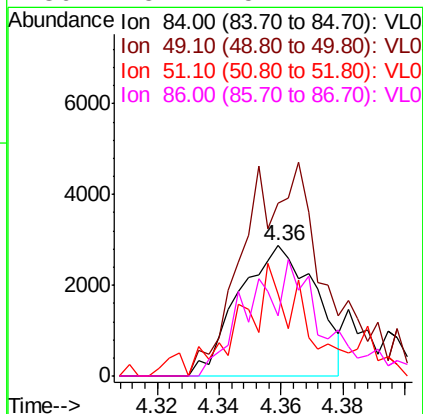
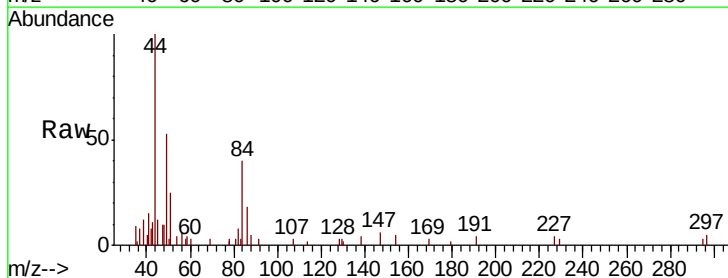
#13
Ethanol
Concen: 0.081 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 6 Apr 2022 8:27

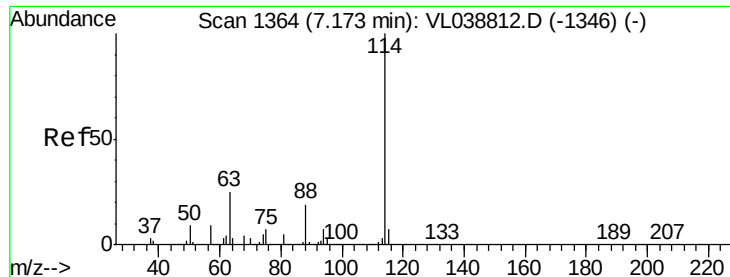
Tot Ion: 45 Resp: 450
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#20
Methylene Chloride
Concen: 0.097 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.02 min
Lab File: VL038824.D
Acq: 6 Apr 2022 8:27

Tgt Ion: 84 Resp: 4958
Ion Ratio Lower Upper
84 100
49 132.2 129.4 194.0
51 63.0 37.4 56.2#
86 45.7 51.4 77.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId:

Acq: 6 Apr 2022 8:27

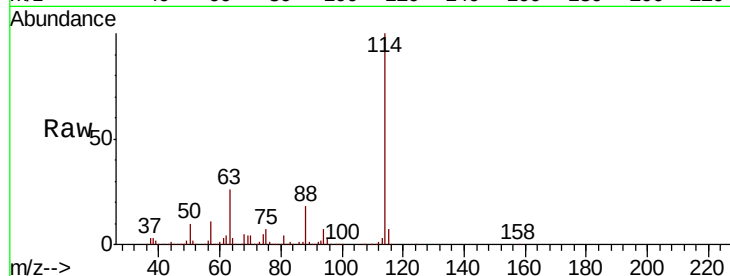
Tot Ion:114 Resp: 3928138

Ion Ratio Lower Upper

114 100

63 25.3 19.8 29.8

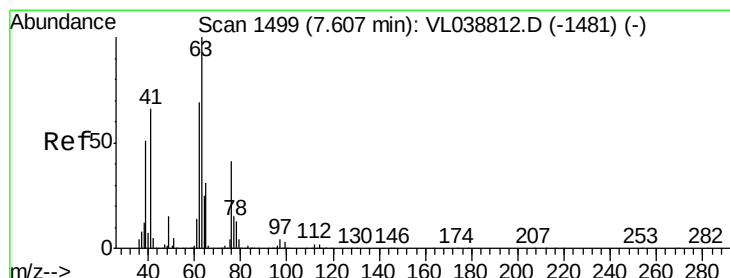
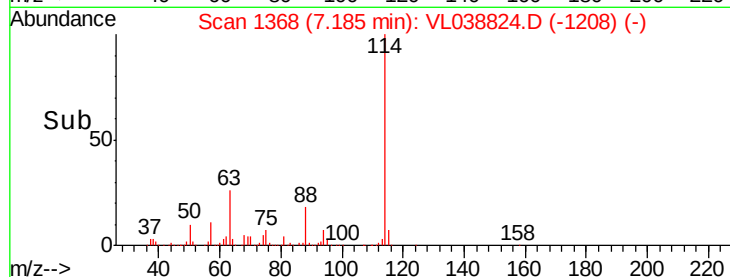
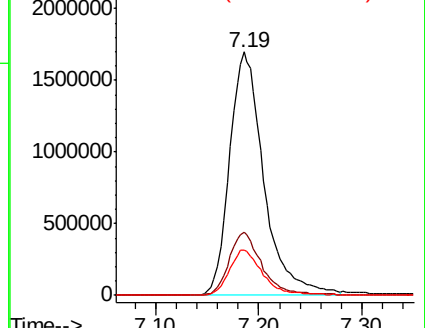
88 18.5 14.2 21.4



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 7.149 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.42 min

Lab File: VL038824.D

Acq: 6 Apr 2022 8:27

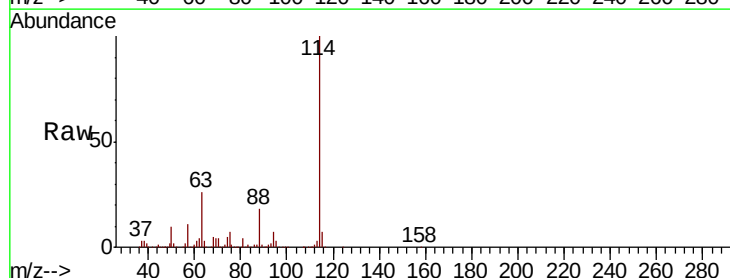
Tgt Ion: 63 Resp: 977103

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

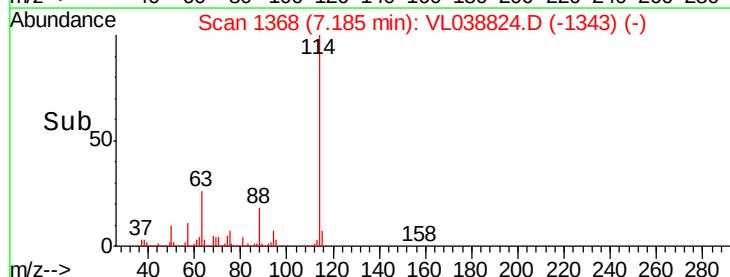
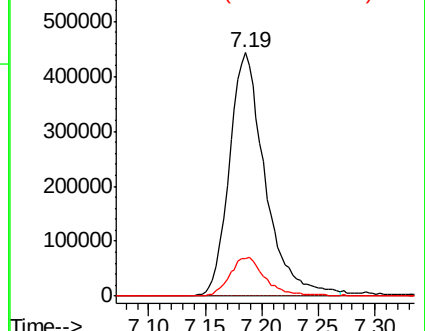
62 15.2 55.0 82.4#

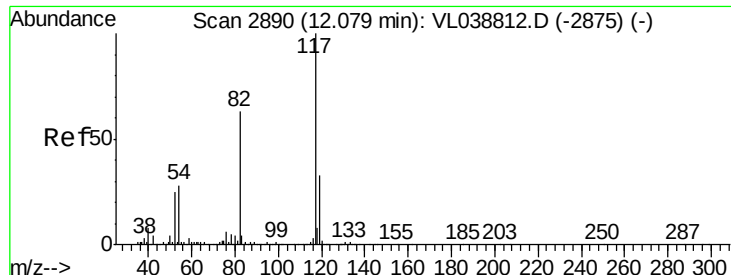


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

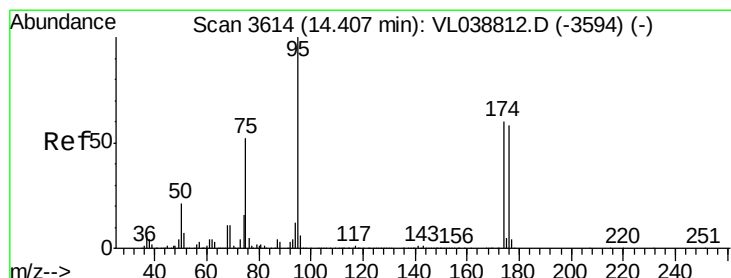
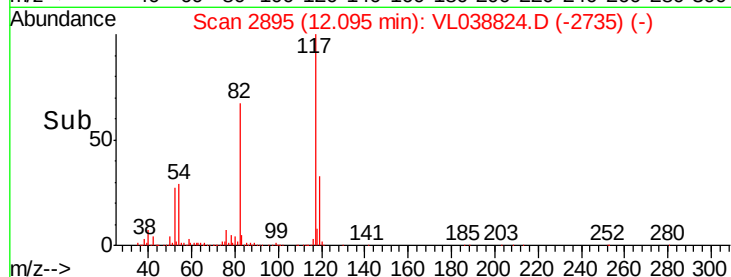
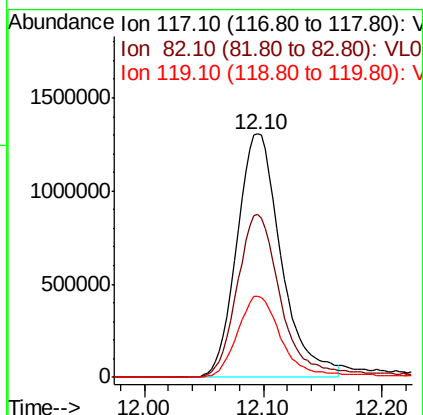
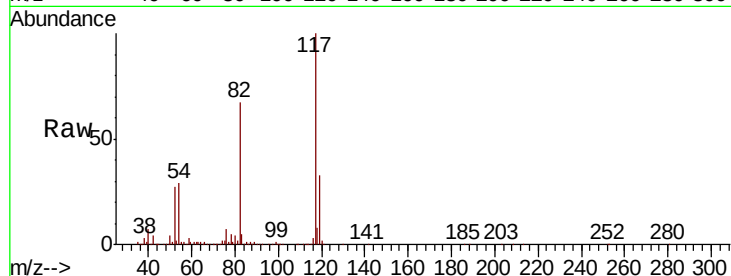




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.: 0.02 min
Lab File: ClientSampleId : QC040522 CAN10315
Acq: 6 Apr 2022 8:27

Tot Ion:117 Resp: 3359146

Ion	Ratio	Lower	Upper
117	100		
82	70.0	53.0	79.6
119	34.2	24.9	37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.251 ppbv
RT: 14.43 min Scan# 3620
Delta R.T.: 0.02 min
Lab File: VL038824.D
Acq: 6 Apr 2022 8:27

Tgt Ion: 95 Resp: 2612025

Ion	Ratio	Lower	Upper
95	100		
174	64.0	52.0	78.0
175	4.4	4.0	6.0

