

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036244.D
 Acq On : 20 Jan 2021 12:21
 Operator : SY/AP
 Sample : VL0120ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0120ABL01

Quant Time: Jan 21 01:34:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1456456	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3102175	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2762620	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2341139	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

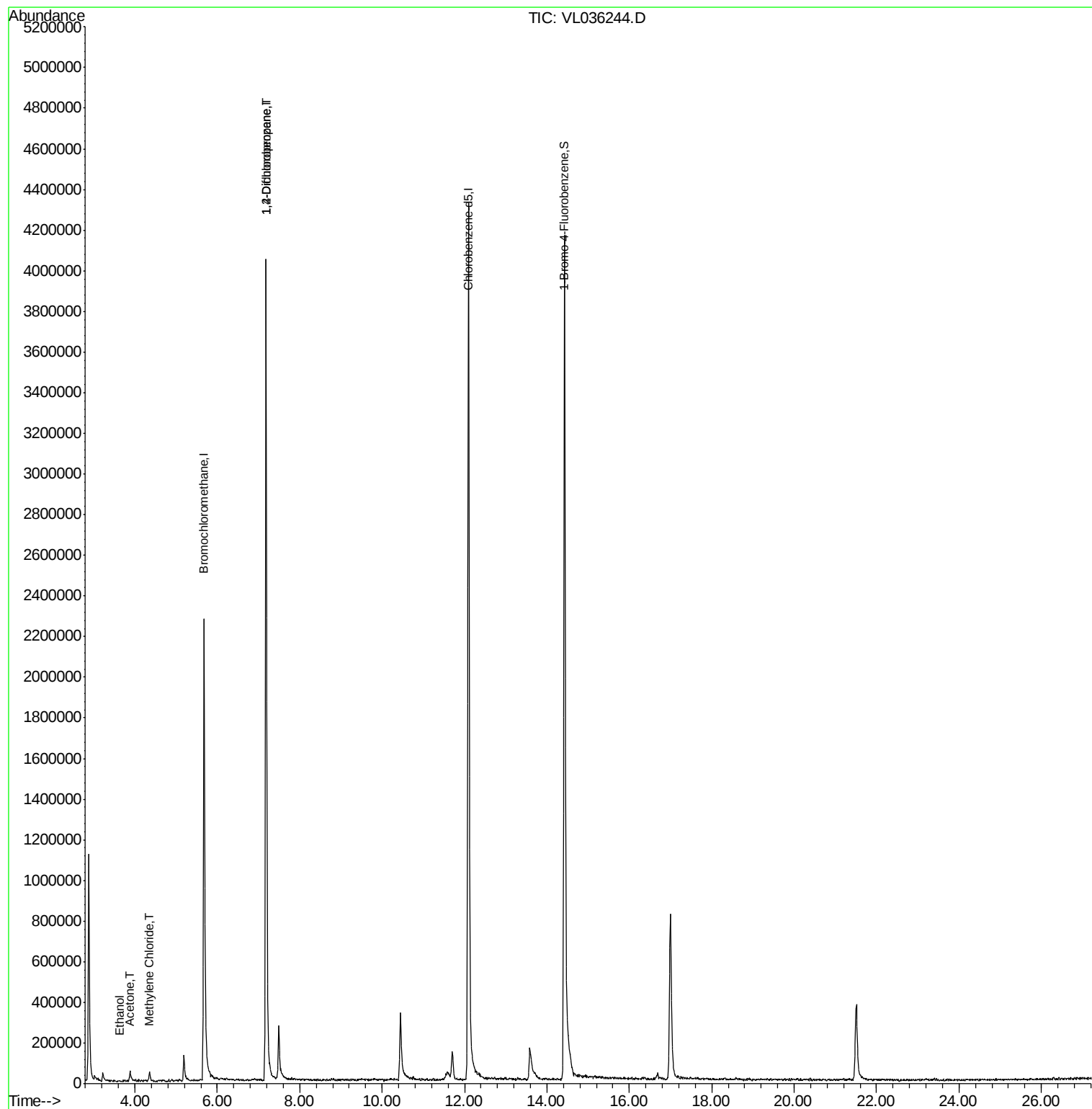
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	490	0.037	ppbv #	29
15) Acetone	3.88	43	36781	0.206	ppbv #	1
20) Methylene Chloride	4.35	84	8865	0.156	ppbv #	84
39) 1,2-Dichloropropane	7.18	63	947049	8.206	ppbv #	21

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL036244.D

Acq: 20 Jan 2021 12:21

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABL01

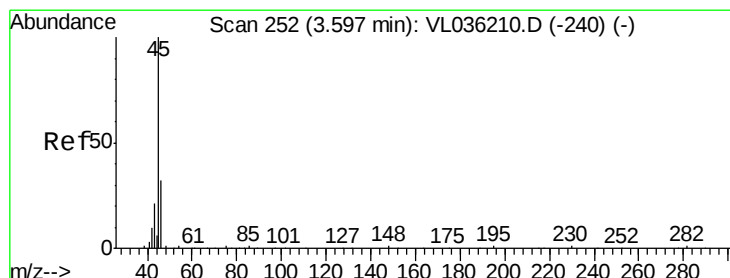
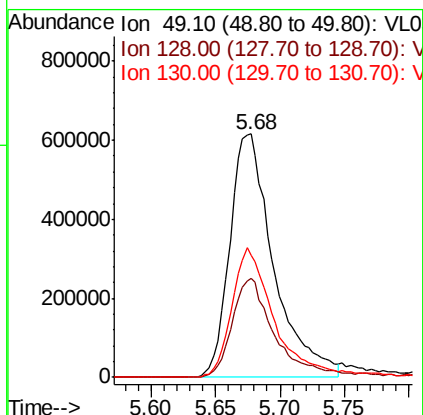
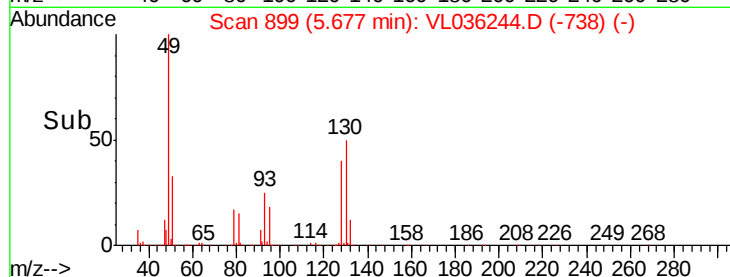
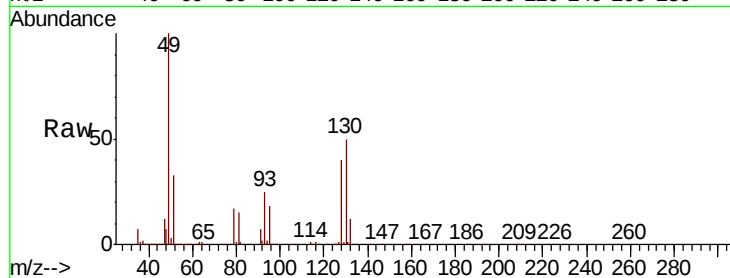
Tot Ion: 49 Resp: 1456456

Ion Ratio Lower Upper

49 100

128 41.2 20.1 60.2

130 53.5 25.3 75.9



#13

Ethanol

Concen: 0.037 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.03 min

Lab File: VL036244.D

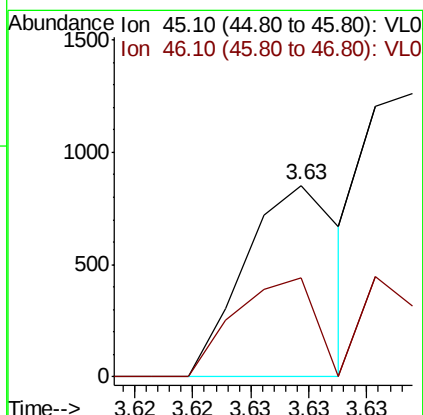
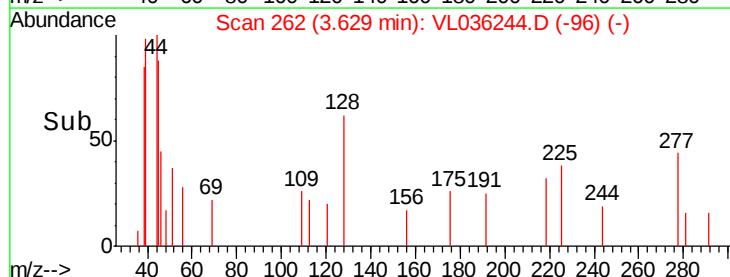
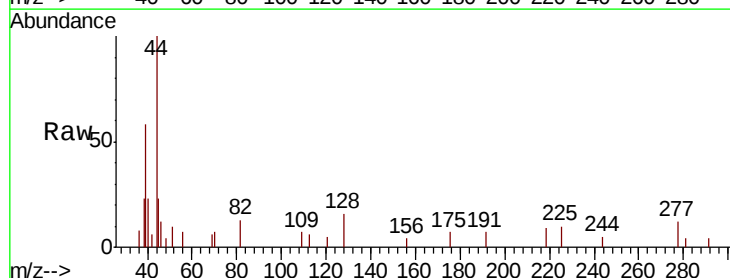
Acq: 20 Jan 2021 12:21

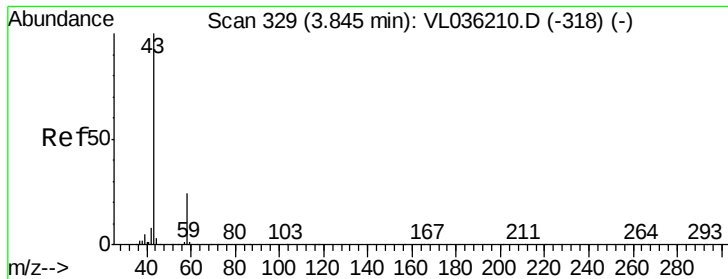
Tgt Ion: 45 Resp: 490

Ion Ratio Lower Upper

45 100

46 0.0 19.2 77.0#





#15

Acetone

Concen: 0.206 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.04 min

Lab File: VL036244.D

Acq: 20 Jan 2021 12:21

Instrument :

MSVOA_L

ClientSampleId :

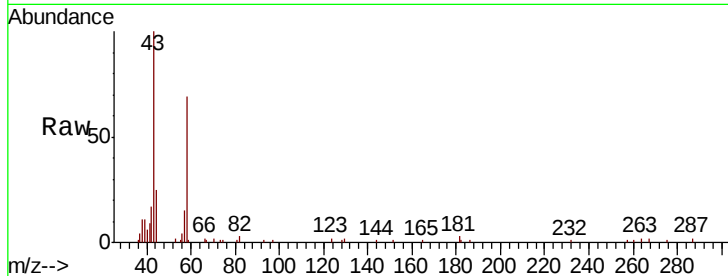
VL0120ABL01

Tot Ion: 43 Resp: 36781

Ion Ratio Lower Upper

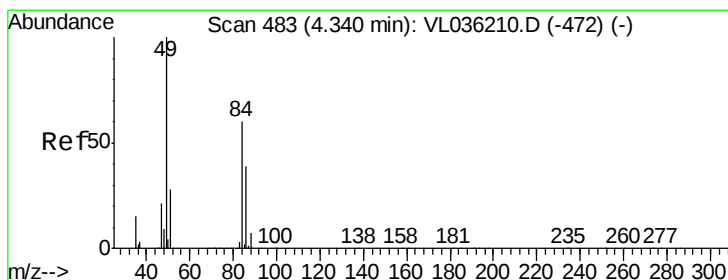
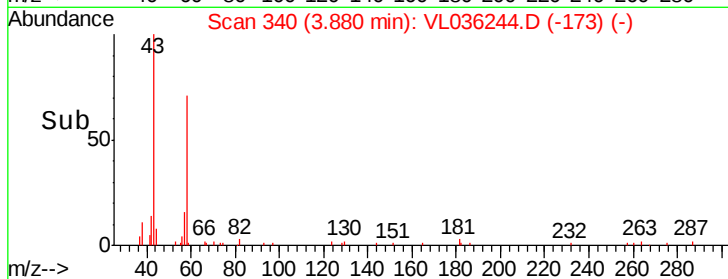
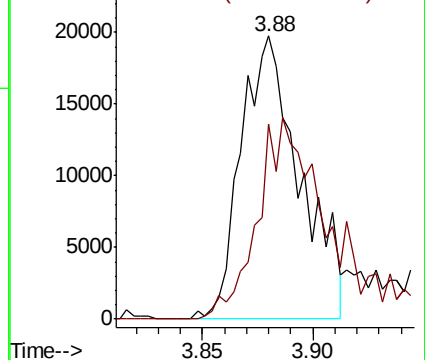
43 100

58 89.4 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.156 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL036244.D

Acq: 20 Jan 2021 12:21

Tgt Ion: 84 Resp: 8865

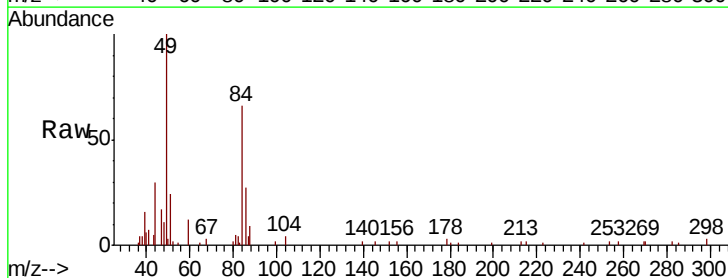
Ion Ratio Lower Upper

84 100

49 153.2 134.1 201.1

51 35.3 37.4 56.0#

86 42.0 52.6 78.8#

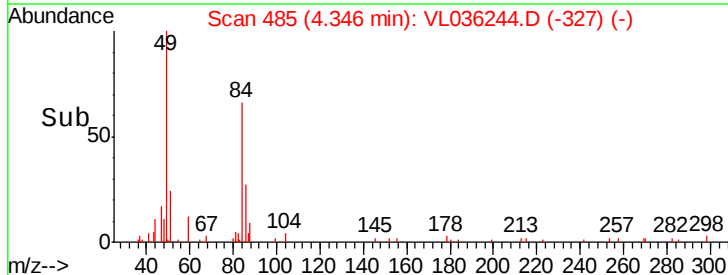
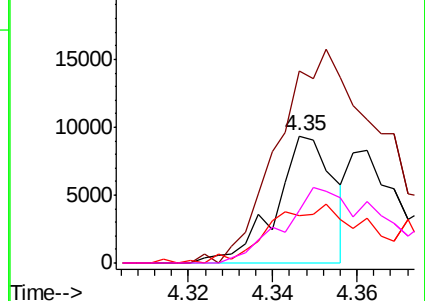


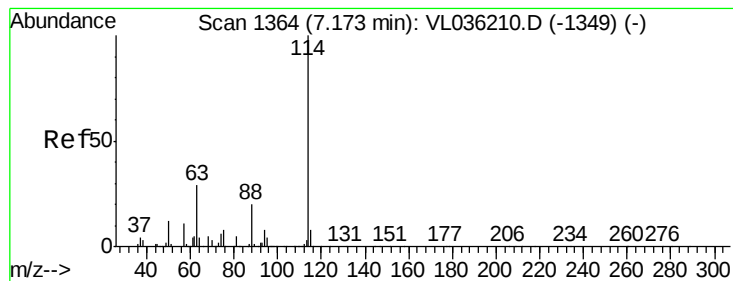
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: VL036244.D

Acq: 20 Jan 2021 12:21

Instrument :

MSVOA_L

ClientSampleId :

VL0120ABL01

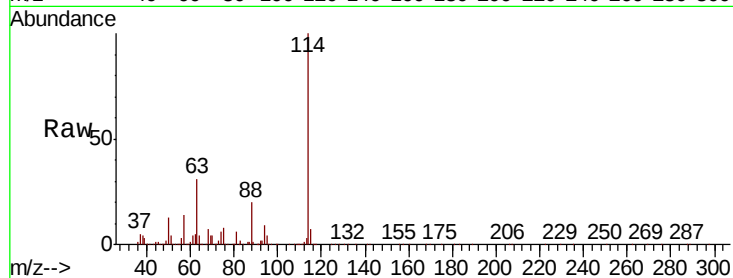
Tot Ion:114 Resp: 3102175

Ion Ratio Lower Upper

114 100

63 31.2 24.7 37.1

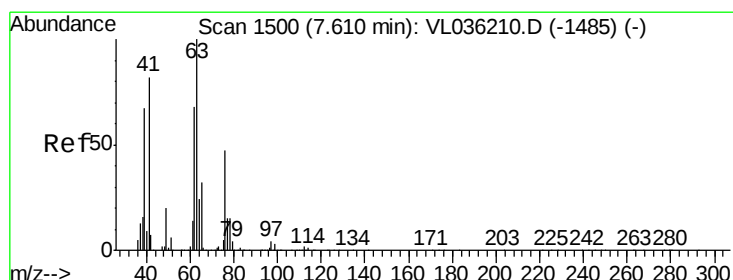
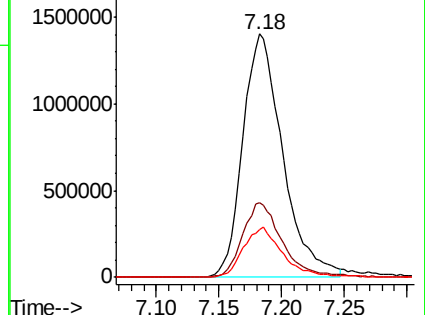
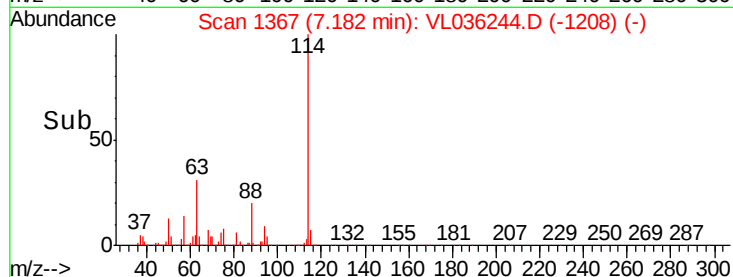
88 20.8 16.6 24.8



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: 8.206 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL036244.D

Acq: 20 Jan 2021 12:21

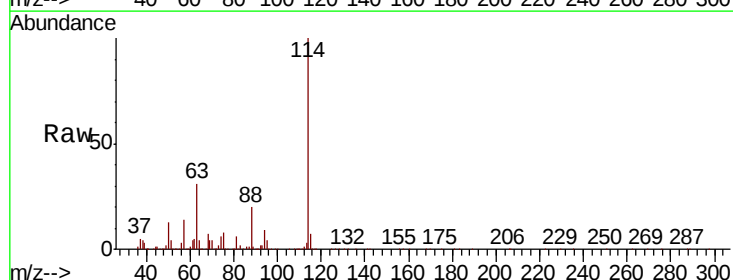
Tgt Ion: 63 Resp: 947049

Ion Ratio Lower Upper

63 100

41 0.1 66.1 99.1#

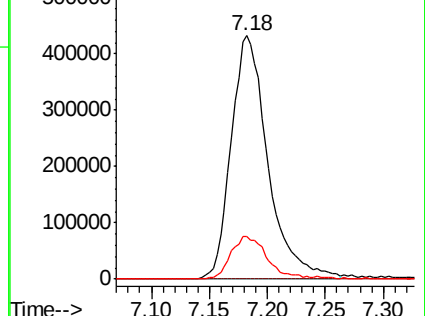
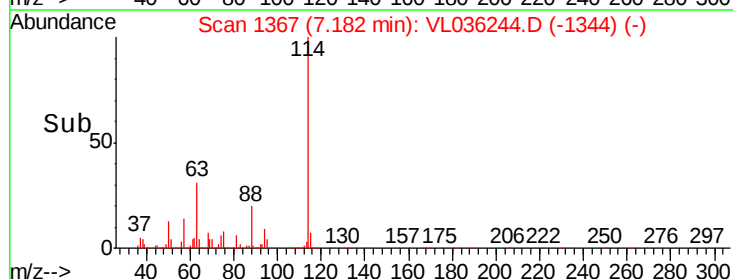
62 17.4 54.8 82.2#

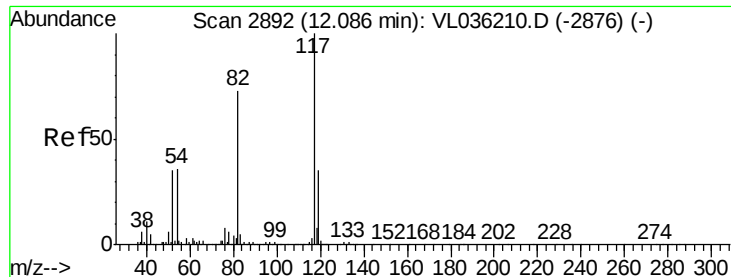


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

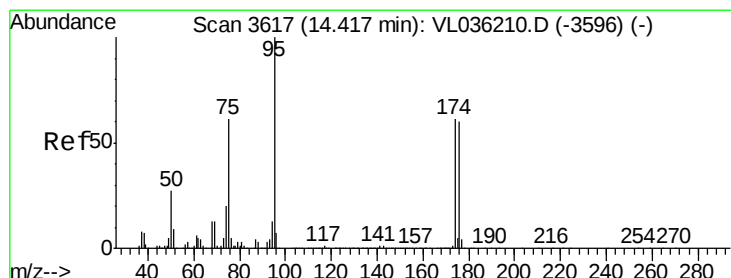
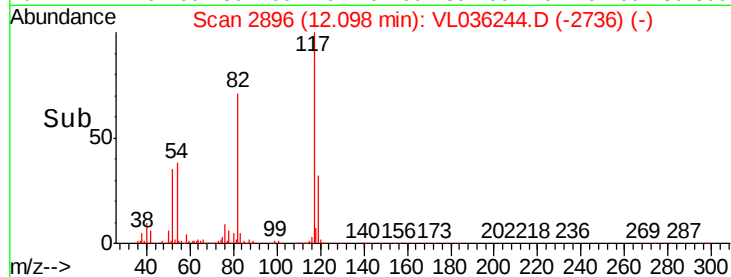
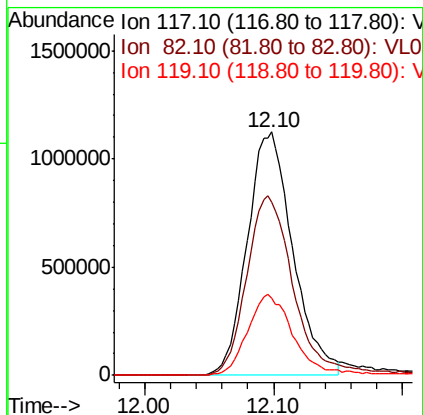
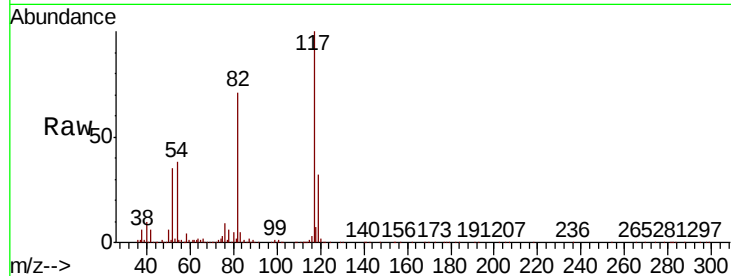




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036244.D
Acq: 20 Jan 2021 12:21

Instrument :
MSVOA_L
ClientSampleId :
VL0120ABL01

Tot Ion:117 Resp: 2762620
Ion Ratio Lower Upper
117 100
82 77.5 59.7 89.5
119 34.2 28.6 43.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.238 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. 0.01 min
Lab File: VL036244.D
Acq: 20 Jan 2021 12:21

Tgt Ion: 95 Resp: 2341139
Ion Ratio Lower Upper
95 100
174 62.2 49.4 74.0
175 4.7 3.8 5.8

