

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012221\
 Data File : VL036262.D
 Acq On : 22 Jan 2021 11:16
 Operator : SY/AP
 Sample : VL0122ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0122ABL01

Quant Time: Jan 23 04:33:57 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	1384472	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.20	114	2915110	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	2629264	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2250662	10.34	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

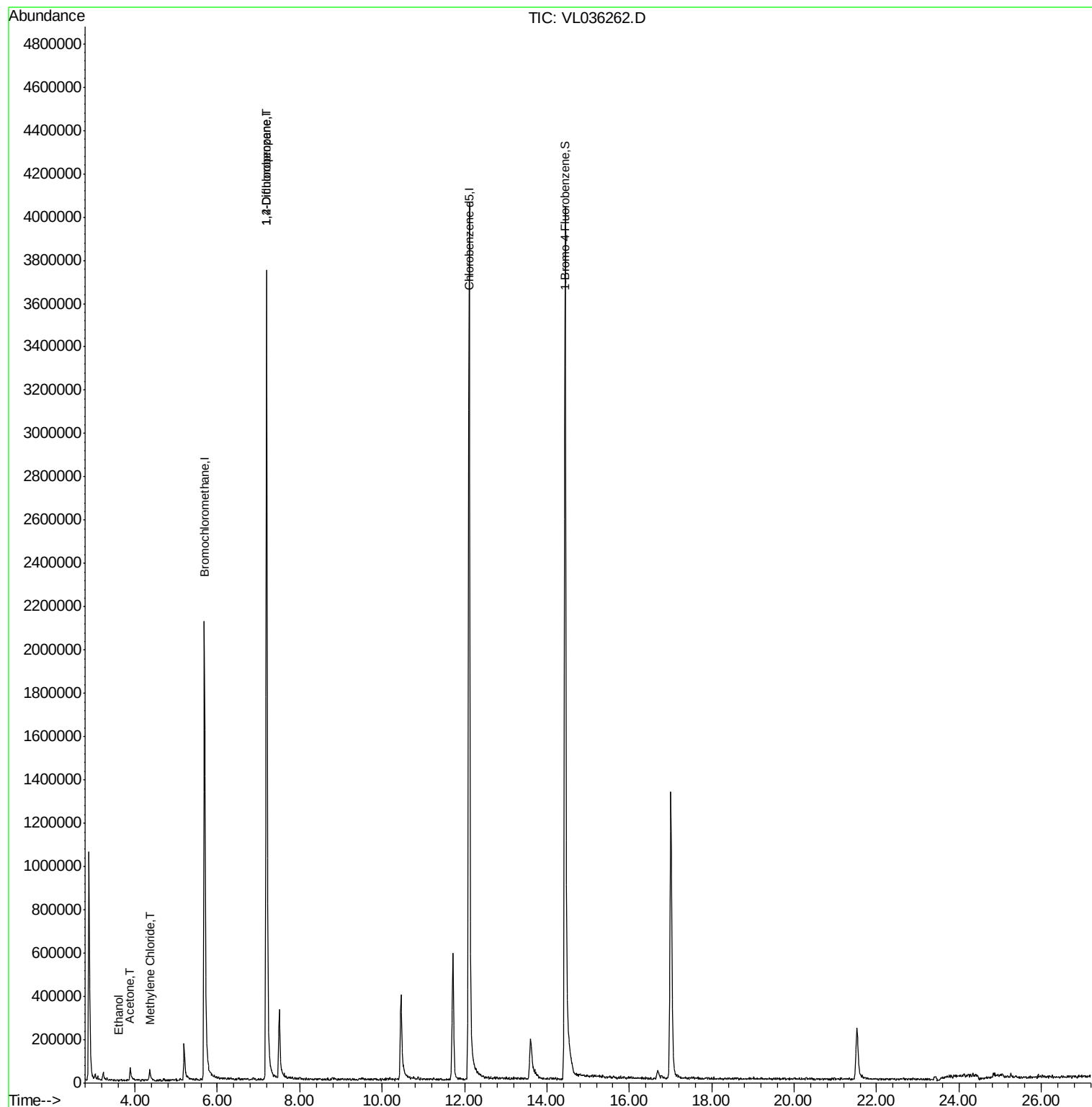
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	384	0.030	ppbv #	29
15) Acetone	3.88	43	50209	0.296	ppbv #	1
20) Methylene Chloride	4.37	84	15317	0.283	ppbv	89
39) 1,2-Dichloropropane	7.20	63	878274	8.098	ppbv #	21

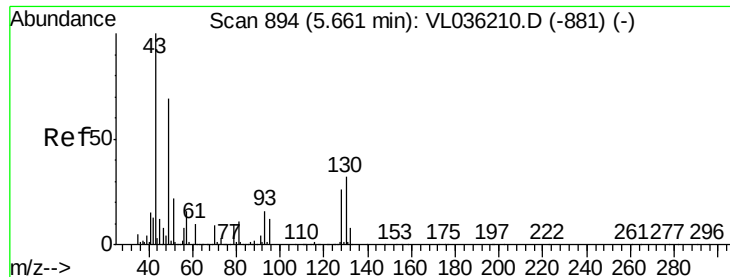
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.02 min

Lab File: VL036262.D

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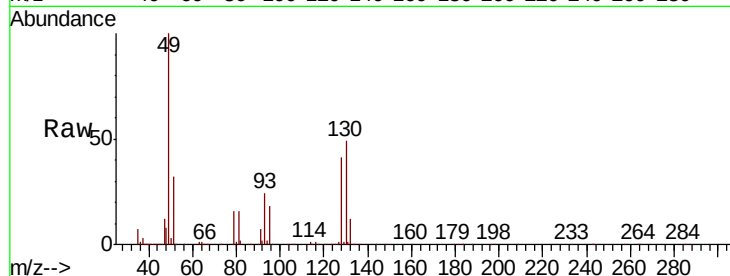
Tot Ion: 49 Resp: 1384472

Ion Ratio Lower Upper

49 100

128 40.3 20.1 60.2

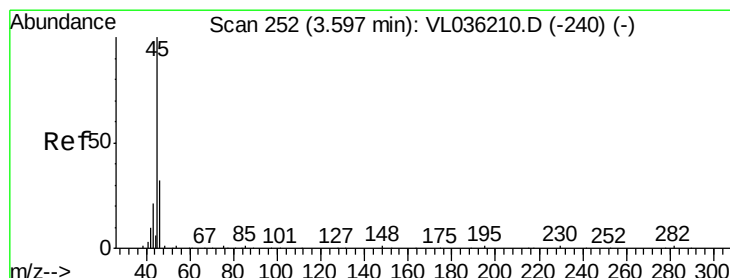
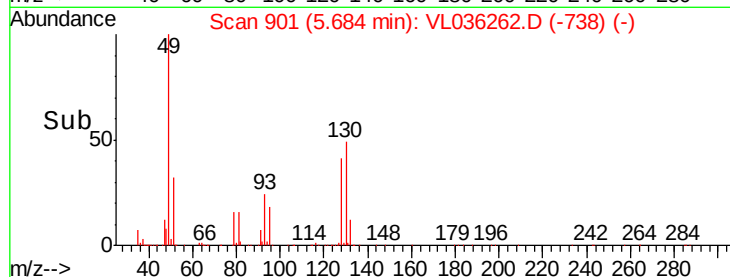
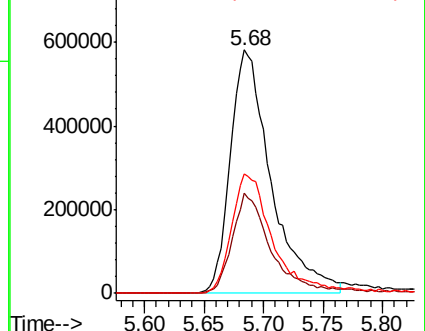
130 51.3 25.3 75.9



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



#13

Ethanol

Concen: 0.030 ppbv

RT: 3.60 min Scan# 253

Delta R.T. 0.00 min

Lab File: VL036262.D

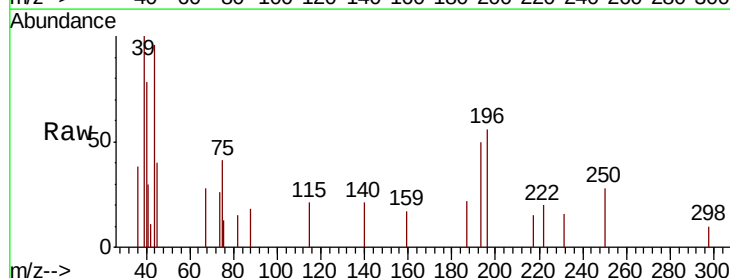
Acq: 22 Jan 2021 11:16

Tgt Ion: 45 Resp: 384

Ion Ratio Lower Upper

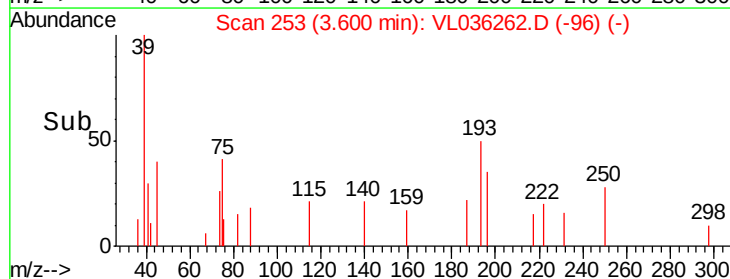
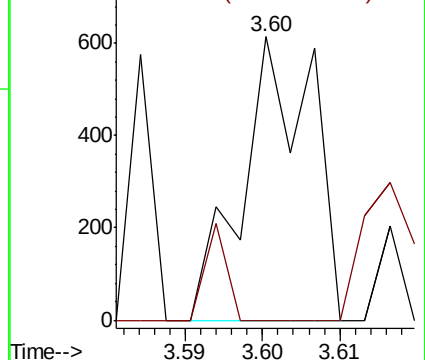
45 100

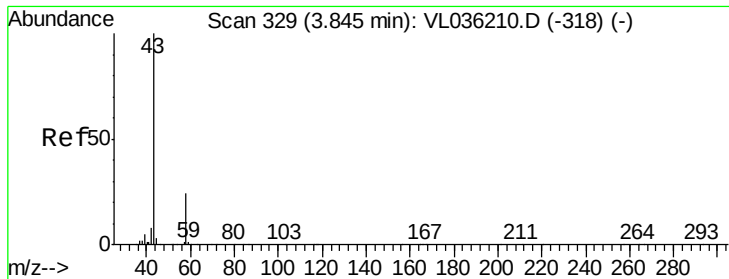
46 0.0 19.2 77.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.296 ppbv

RT: 3.88 min Scan# 341

Delta R.T. 0.04 min

Lab File: VL036262.D

Acq: 22 Jan 2021 11:16

Instrument :

MSVOA_L

ClientSampleId :

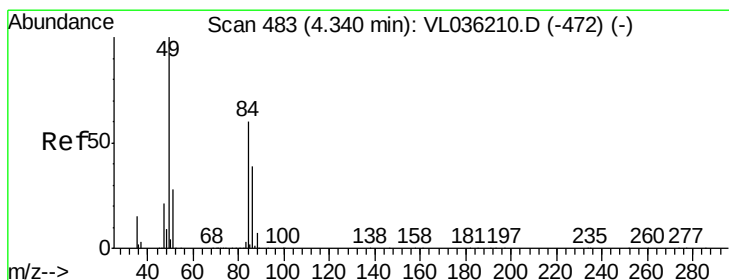
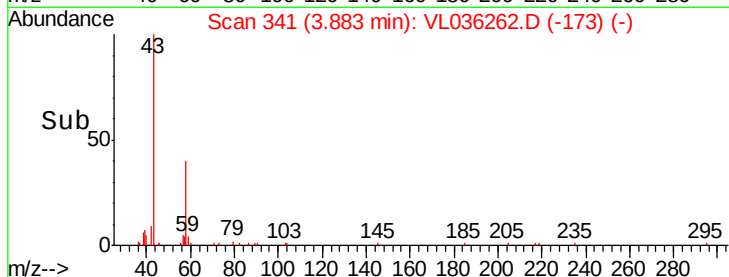
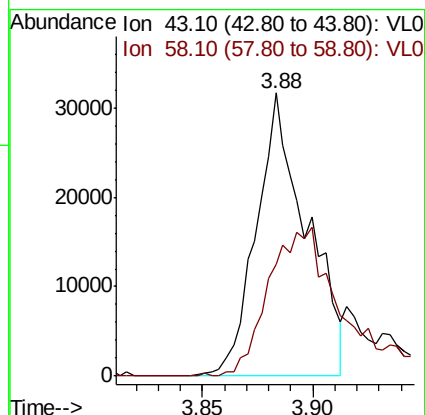
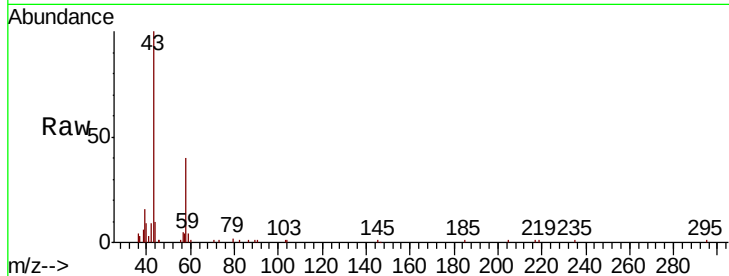
VL0122ABL01

Tot Ion: 43 Resp: 50209

Ion Ratio Lower Upper

43 100

58 86.1 20.9 31.3#



#20

Methylene Chloride

Concen: 0.283 ppbv

RT: 4.37 min Scan# 491

Delta R.T. 0.03 min

Lab File: VL036262.D

Acq: 22 Jan 2021 11:16

Tgt Ion: 84 Resp: 15317

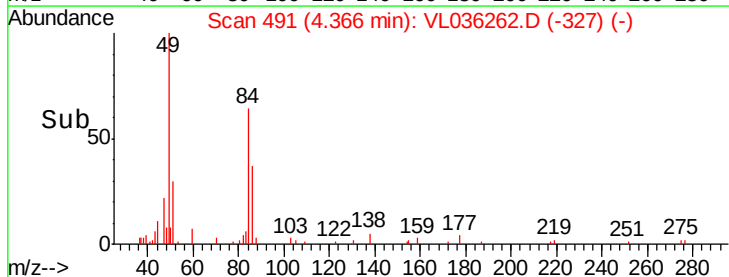
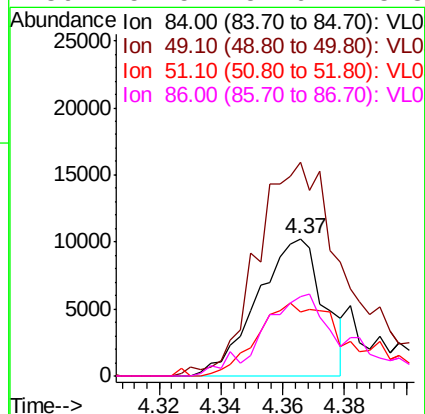
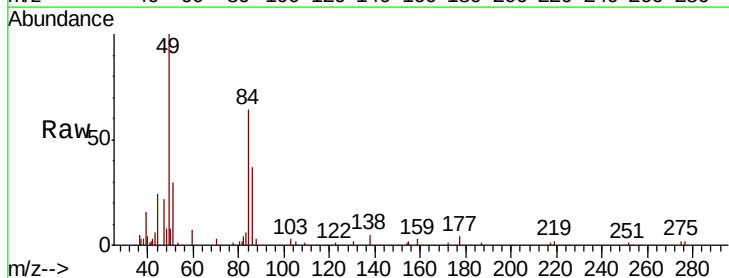
Ion Ratio Lower Upper

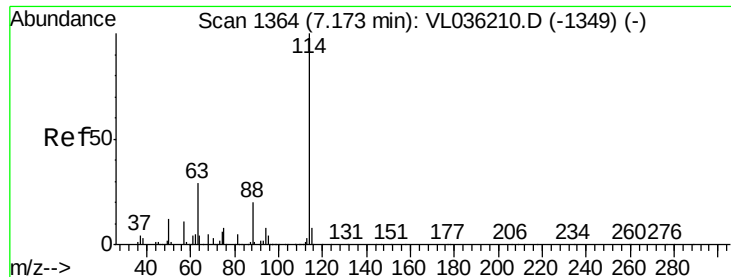
84 100

49 148.9 134.1 201.1

51 47.0 37.4 56.0

86 57.5 52.6 78.8

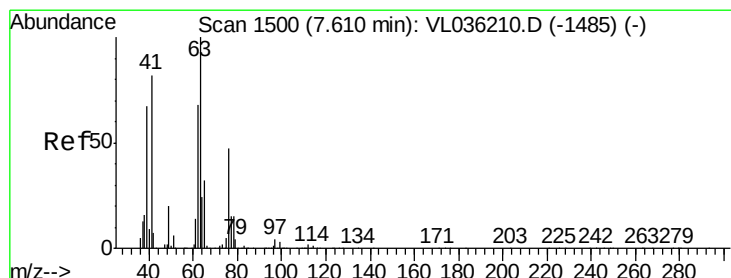
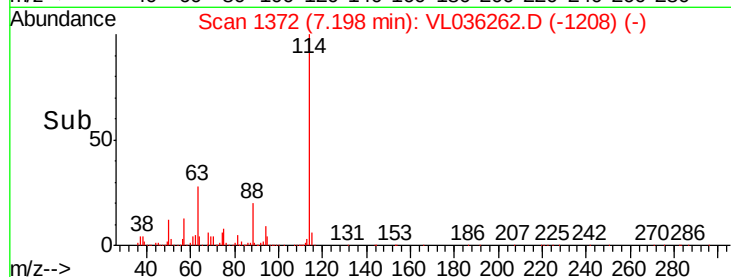
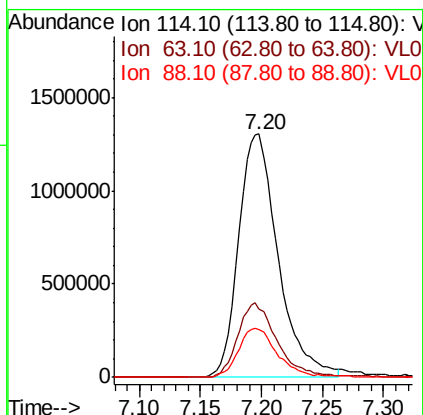
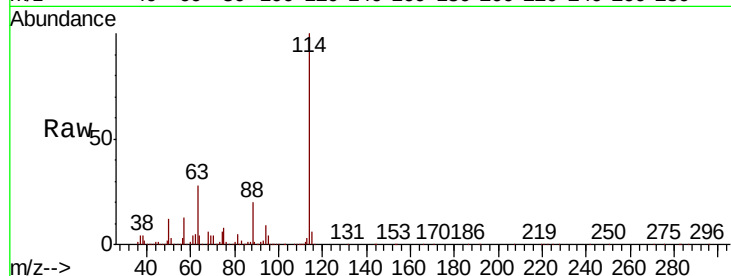




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1372
 Delta R.T. 0.03 min
 Lab File: VL036262.D
 Acq: 22 Jan 2021 11:16

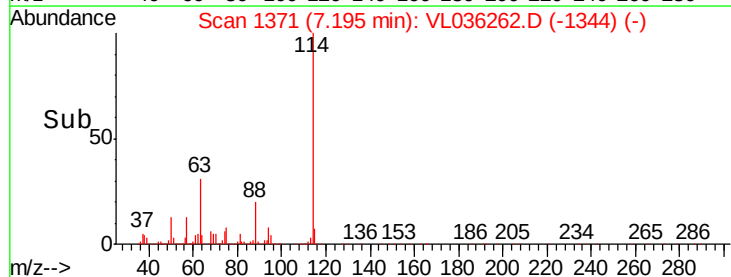
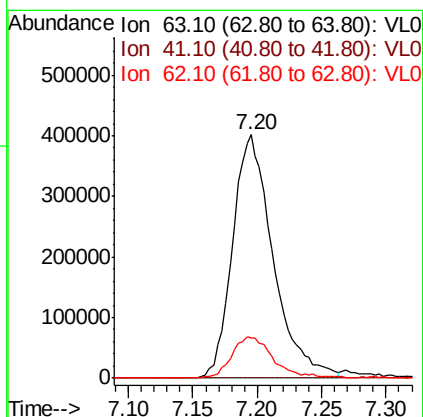
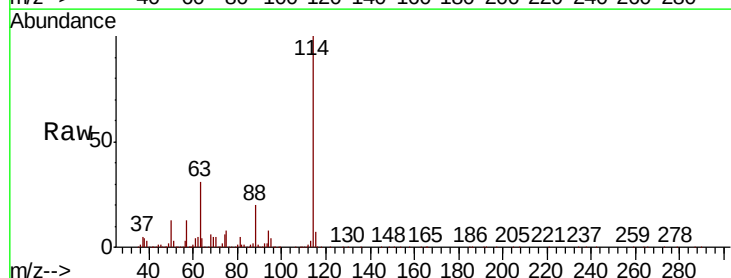
Instrument :
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 ClientSampleId :
 VL0122ABL01

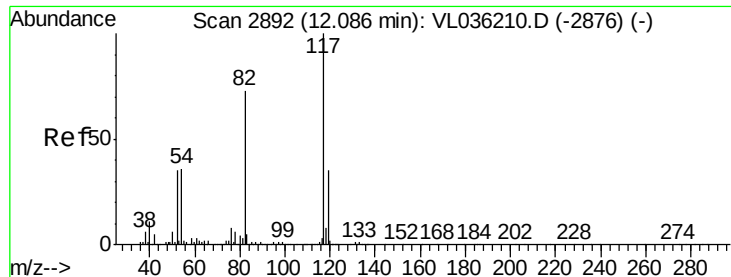
Tot Ion:114 Resp: 2915110
 Ion Ratio Lower Upper
 114 100
 63 30.9 24.7 37.1
 88 20.7 16.6 24.8



#39
 1,2-Dichloropropane
 Concen: 8.098 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.41 min
 Lab File: VL036262.D
 Acq: 22 Jan 2021 11:16

Tgt Ion: 63 Resp: 878274
 Ion Ratio Lower Upper
 63 100
 41 0.1 66.1 99.1#
 62 16.7 54.8 82.2#

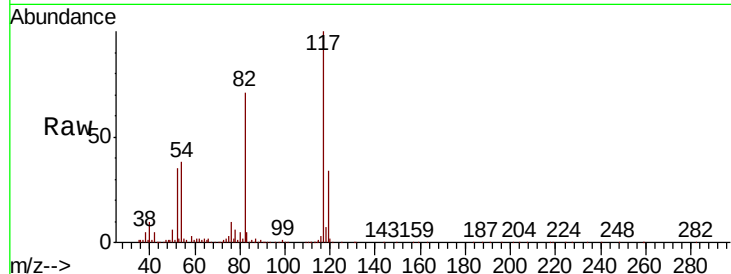




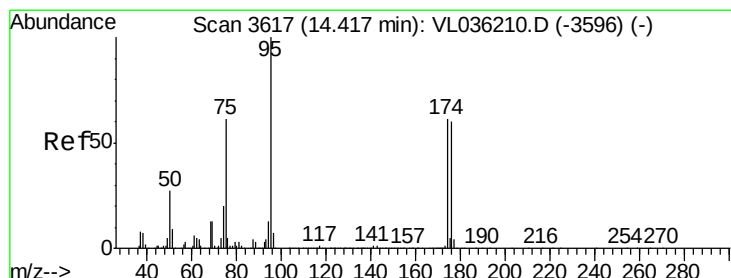
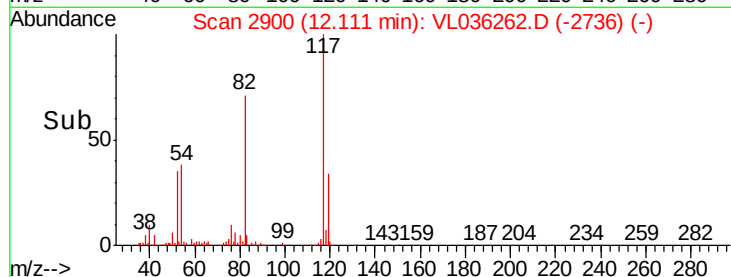
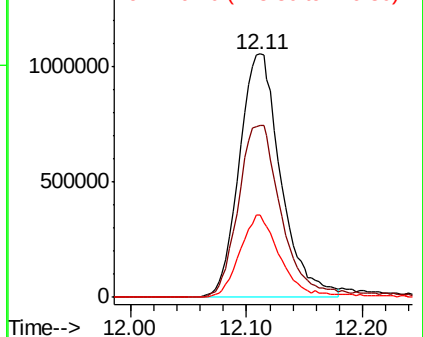
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.03 min
Lab File: VL036262.D
Acq: 22 Jan 2021 11:16

Instrument :
MSVOA_L
ClientSampleId :
VL0122ABL01

Tot Ion:117 Resp: 2629264
Ion Ratio Lower Upper
117 100
82 75.2 59.7 89.5
119 33.5 28.6 43.0

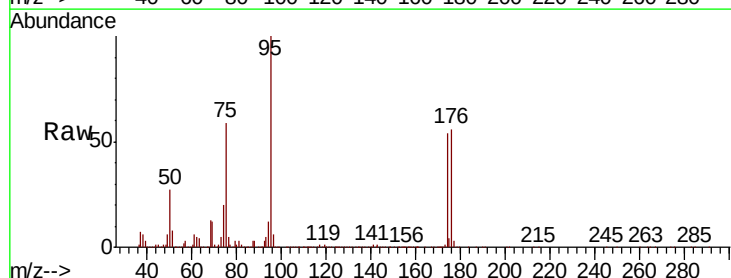


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.342 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. 0.02 min
Lab File: VL036262.D
Acq: 22 Jan 2021 11:16

Tgt Ion: 95 Resp: 2250662
Ion Ratio Lower Upper
95 100
174 61.1 49.4 74.0
175 4.4 3.8 5.8



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

