

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081020\
 Data File : VL035372.D
 Acq On : 10 Aug 2020 12:06
 Operator : SY/AP
 Sample : VL0810ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0810ABL01

Quant Time: Aug 11 04:15:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1138825	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2922680	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2798646	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2336778	10.01	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

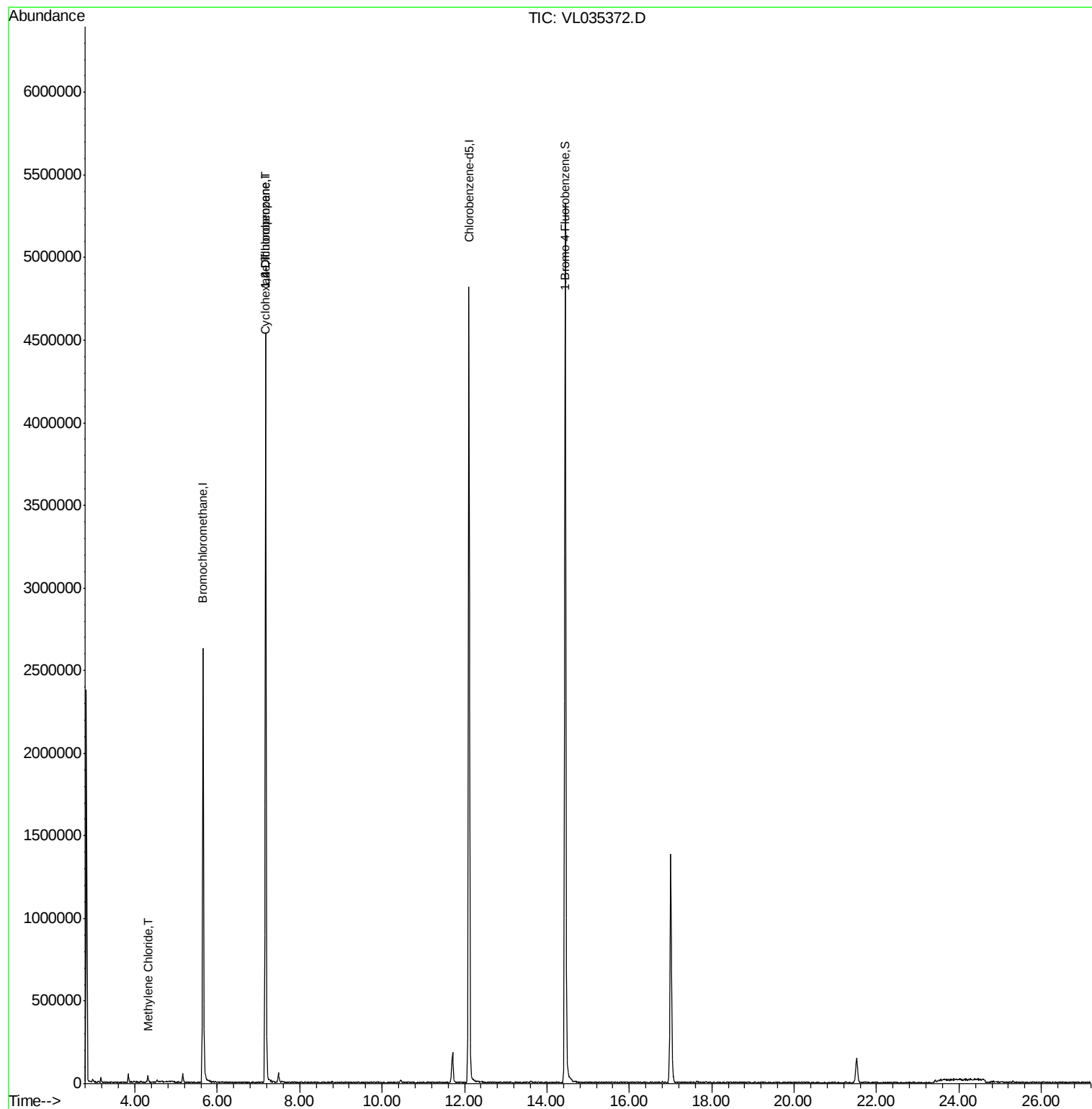
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
20) Methylene Chloride	4.31	84	7019	0.106	ppbv #	71
30) Cyclohexane	7.16	84	6344	0.078	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	782359	9.792	ppbv #	22

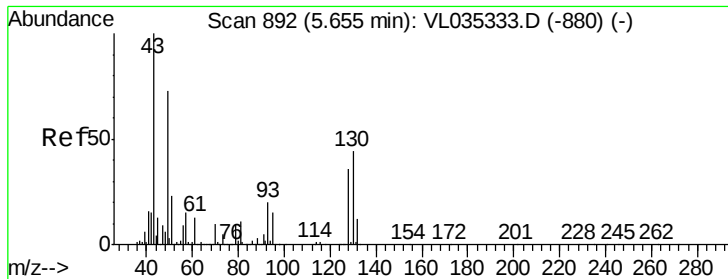
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035372.D

Acq: 10 Aug 2020 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0810ABL01

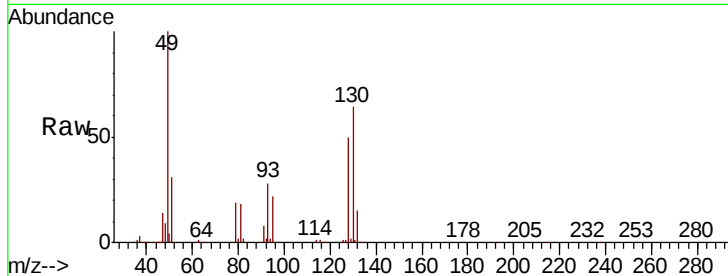
Tot Ion: 49 Resp: 1138825

Ion Ratio Lower Upper

49 100

128 51.9 25.4 76.0

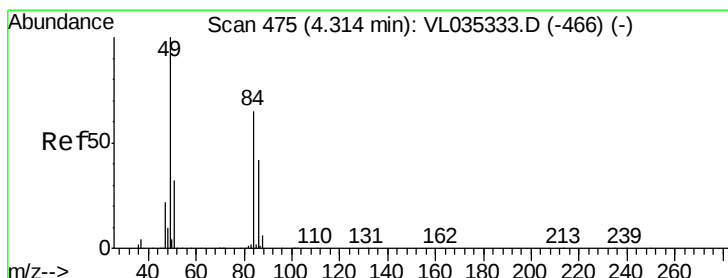
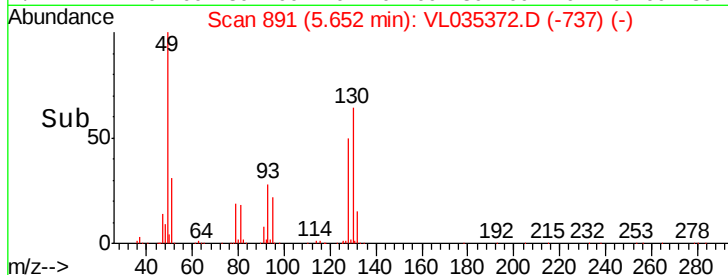
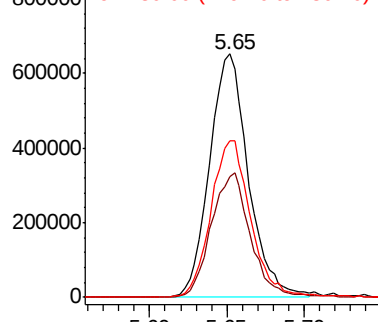
130 66.3 32.1 96.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#20

Methylene Chloride

Concen: 0.106 ppbv

RT: 4.31 min Scan# 475

Delta R.T. -0.00 min

Lab File: VL035372.D

Acq: 10 Aug 2020 12:06

Tgt Ion: 84 Resp: 7019

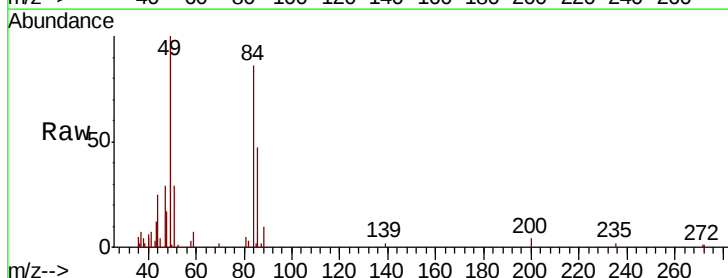
Ion Ratio Lower Upper

84 100

49 113.5 122.8 184.2#

51 26.1 40.1 60.1#

86 49.1 51.7 77.5#

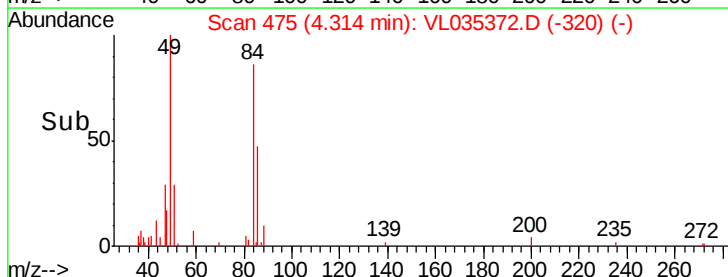
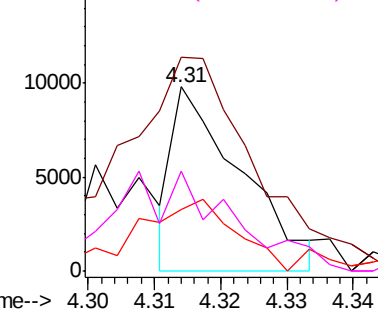


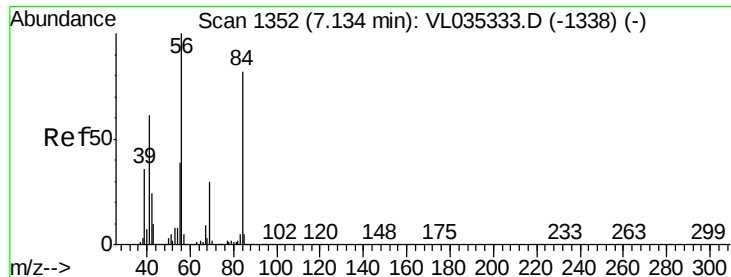
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

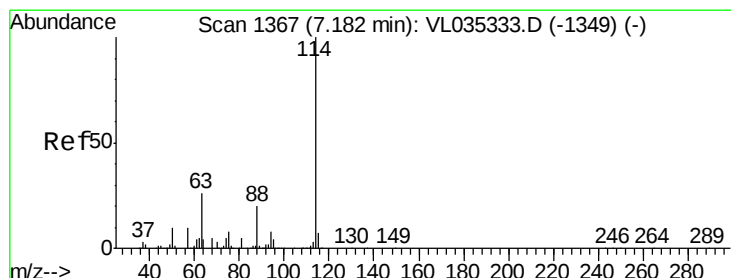
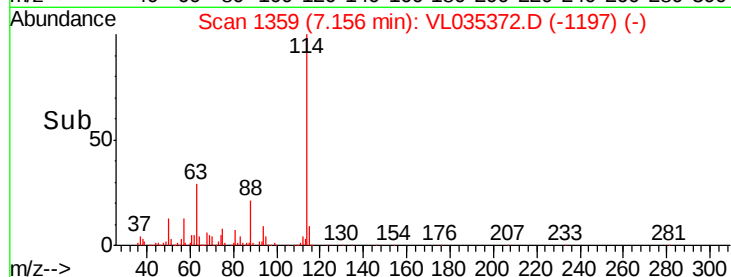
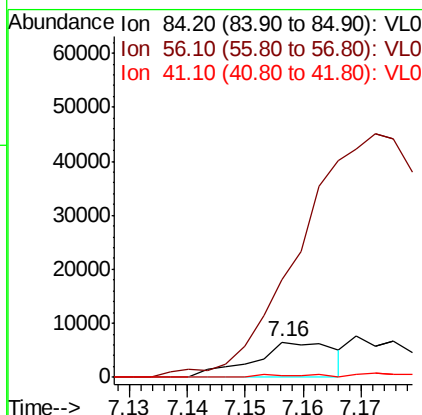
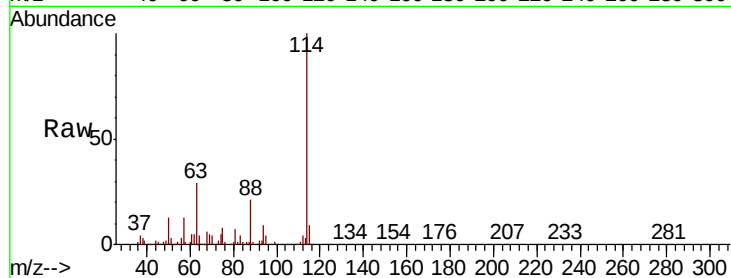




#30
Cyclohexane
Concen: 0.078 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.02 min
Lab File: VL035372.D
Acq: 10 Aug 2020 12:06

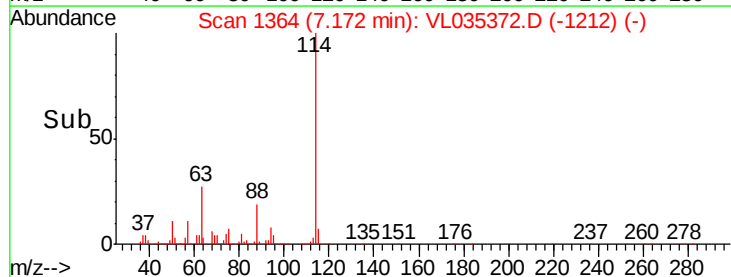
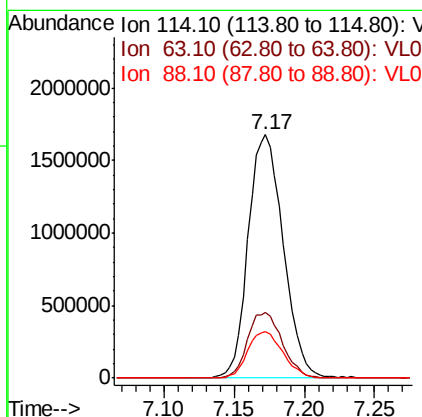
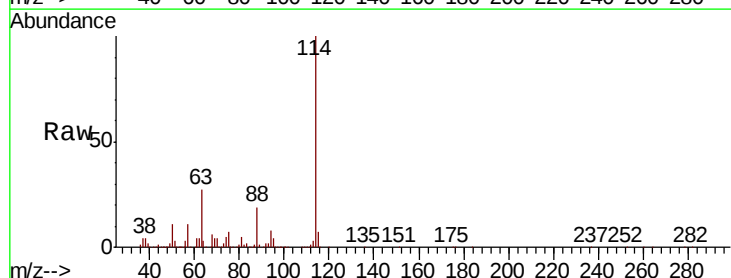
Instrument :
MSVOA_L
ClientSampleId :
VL0810ABL01

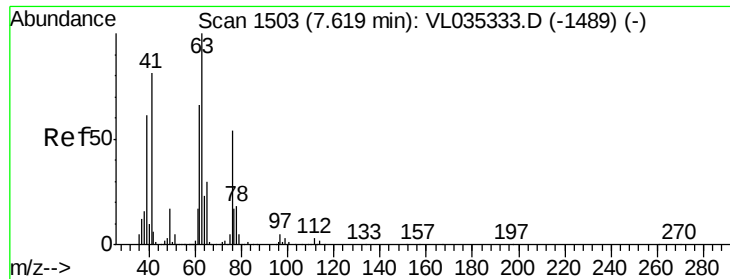
Tot Ion: 84 Resp: 6344
Ion Ratio Lower Upper
84 100
56 0.0 104.7 157.1#
41 0.0 64.2 96.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL035372.D
Acq: 10 Aug 2020 12:06

Tgt Ion: 114 Resp: 2922680
Ion Ratio Lower Upper
114 100
63 27.0 21.3 31.9
88 19.3 15.3 22.9

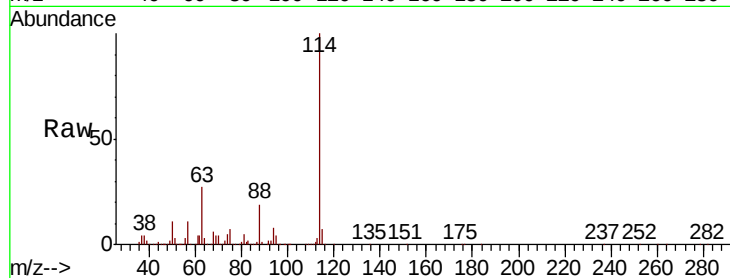




#39
 1,2-Dichloropropane
 Concen: 9.792 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL035372.D
 Acq: 10 Aug 2020 12:06

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0810ABL01

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.2	64.4	96.6#
62	16.3	52.6	78.8#

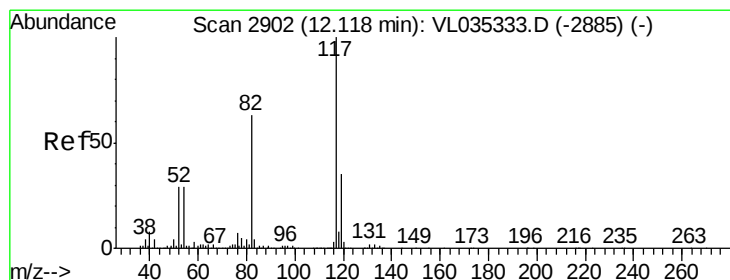
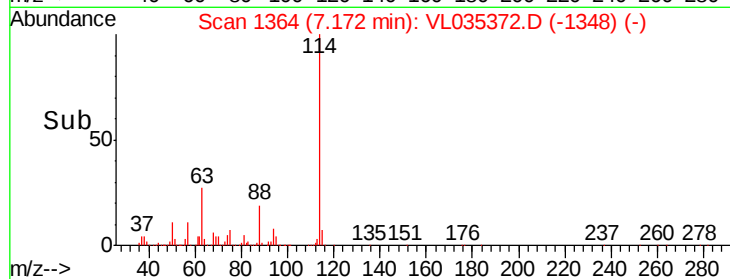
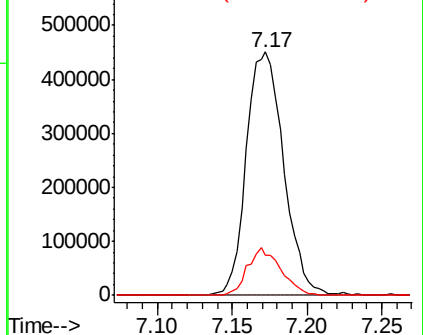


Abundance

Ion 63.10 (62.80 to 63.80): VL0

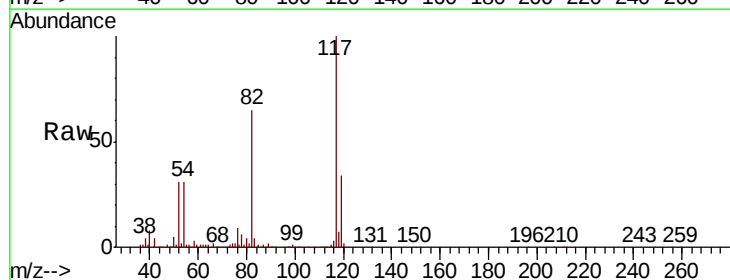
Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. -0.01 min
 Lab File: VL035372.D
 Acq: 10 Aug 2020 12:06

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.1	51.0	76.4
119	32.9	24.7	37.1

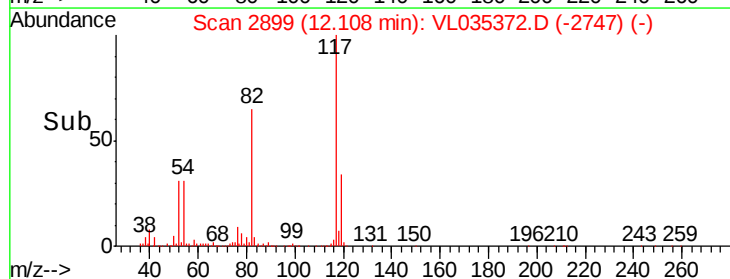
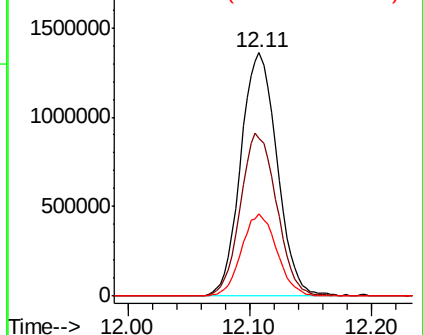


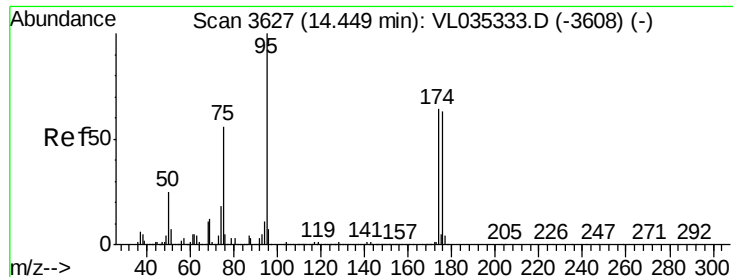
Abundance

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: 10.013 ppbv

RT: 14.45 min Scan# 3626

Delta R.T. -0.00 min

Lab File: VL035372.D

Acq: 10 Aug 2020 12:06

Instrument :

MSVOA_L

ClientSampleId :

VL0810ABL01

Tot Ion: 95 Resp: 2336778

Ion Ratio Lower Upper

95 100

174 67.6 53.5 80.3

175 4.7 4.2 6.2

