

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035308.D
 Acq On : 31 Jul 2020 18:38
 Operator : SY/AP
 Sample : CAN 10448
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10448

Quant Time: Aug 01 03:53:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 07:14:29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1084070	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2716845	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2486228	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2034627	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

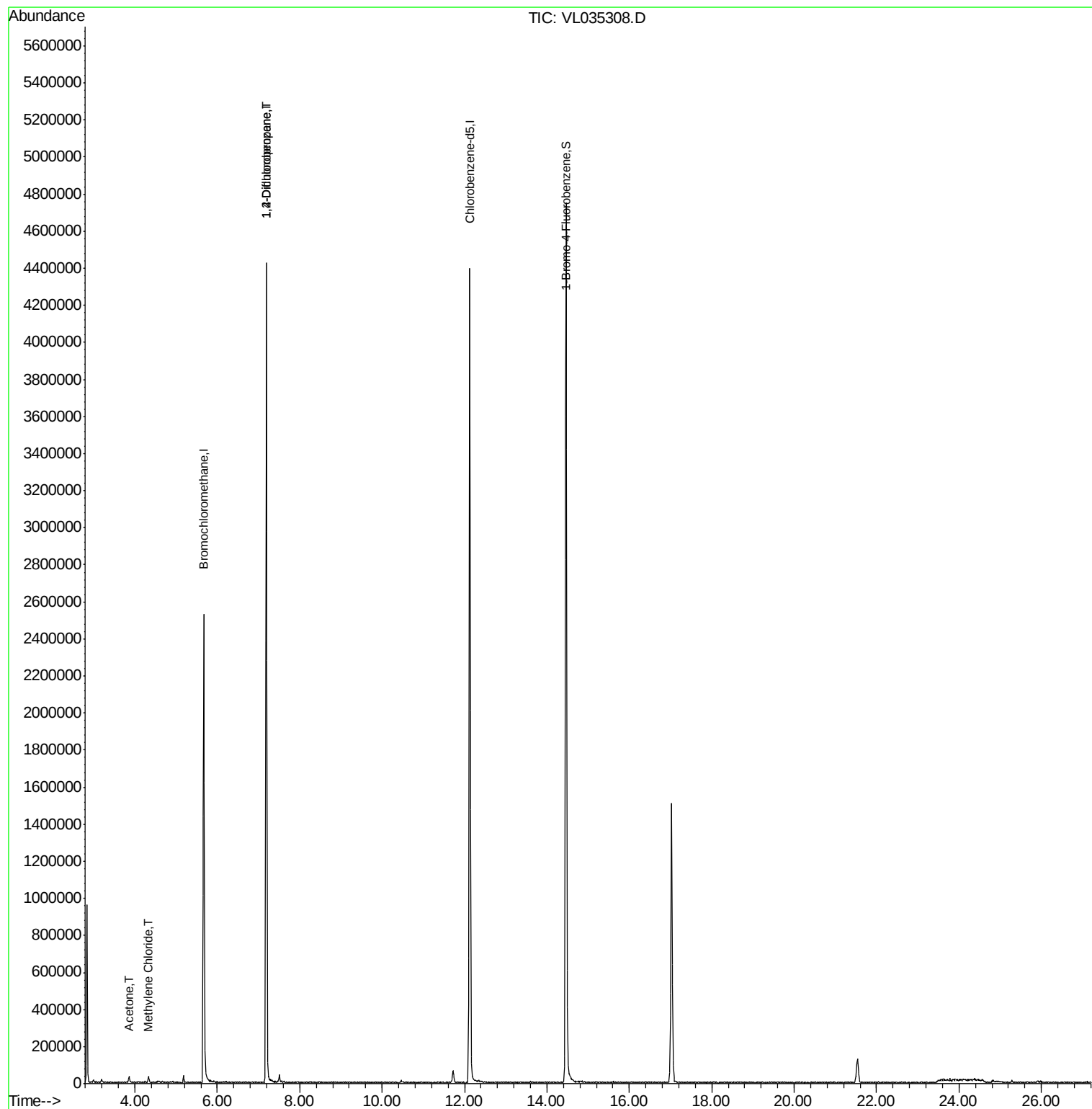
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.85	43	17625	0.122	ppbv #	48
20) Methylene Chloride	4.33	84	7131	0.108	ppbv #	54
39) 1,2-Dichloropropane	7.19	63	751958	9.982	ppbv #	24

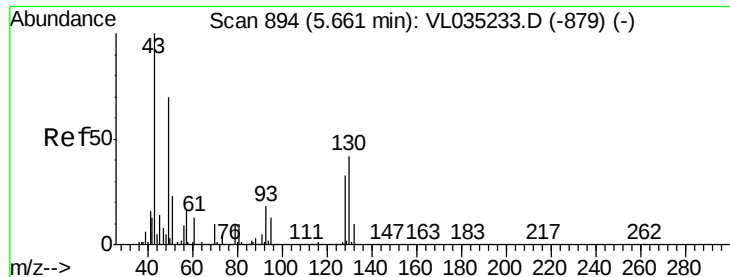
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL035308.D

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MSVOA_L

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CAN 10448

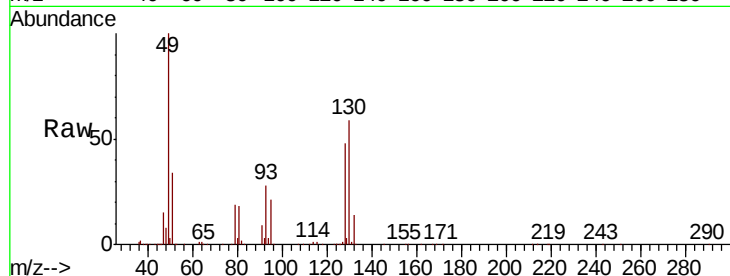
Tot Ion: 49 Resp: 1084070

Ion Ratio Lower Upper

49 100

128 51.4 24.0 72.0

130 65.5 30.7 92.1



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

800000

600000

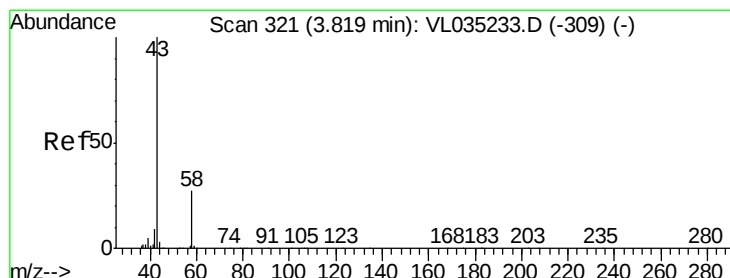
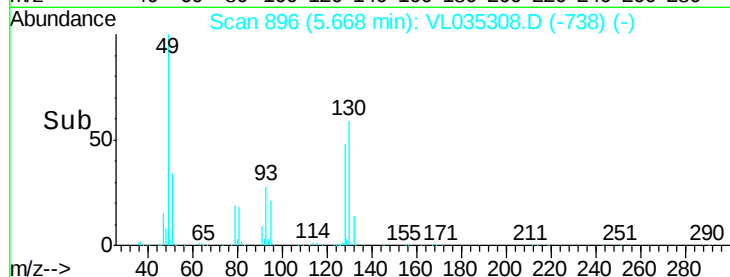
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#15

Acetone

Concen: 0.122 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.04 min

Lab File: VL035308.D

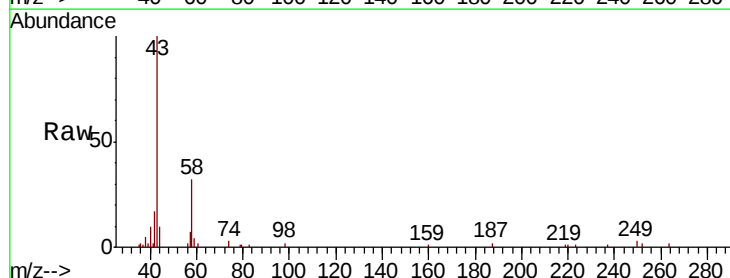
Acq: 31 Jul 2020 18:38

Tgt Ion: 43 Resp: 17625

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

20000

15000

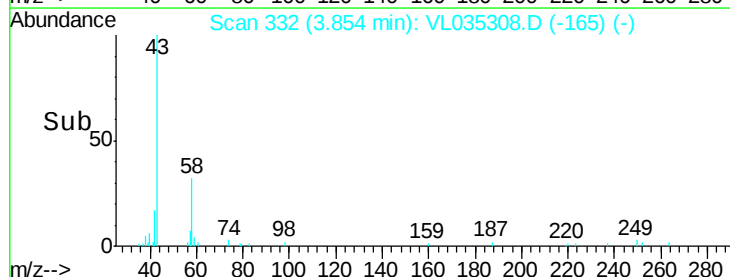
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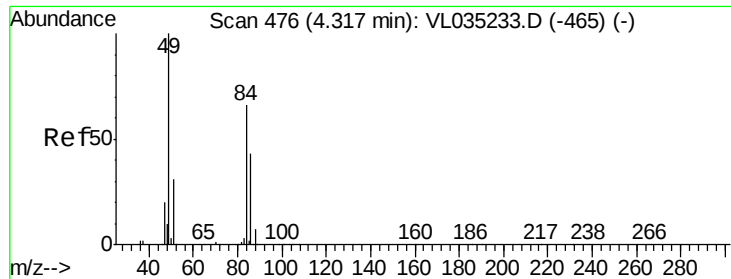
5000

0

3.82 3.84 3.86

Time-->

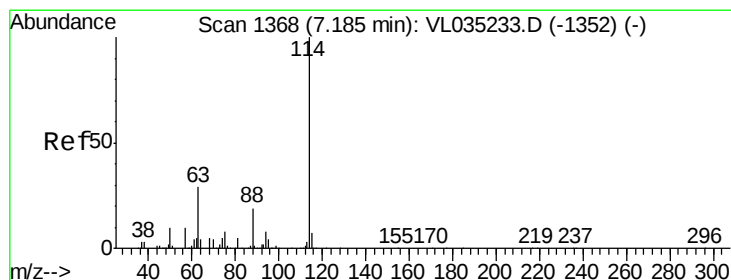
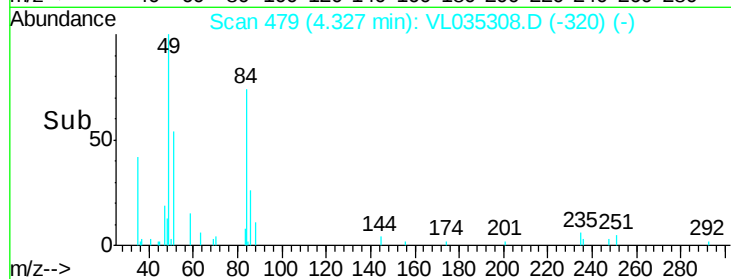
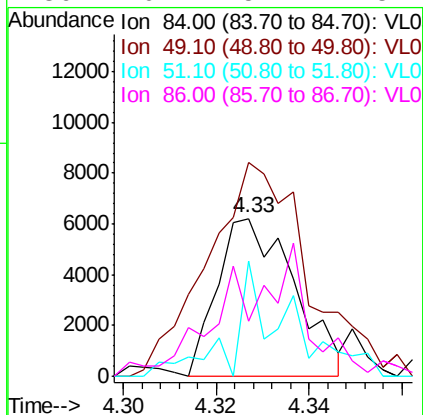
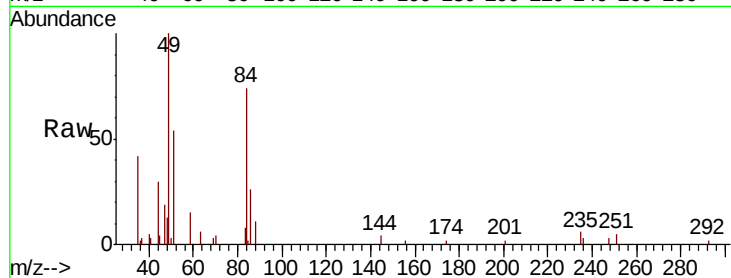




#20
Methylene Chloride
Concen: 0.108 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.01 min
Lab File: VL035308.D
Acq: 31 Jul 2020 18:38

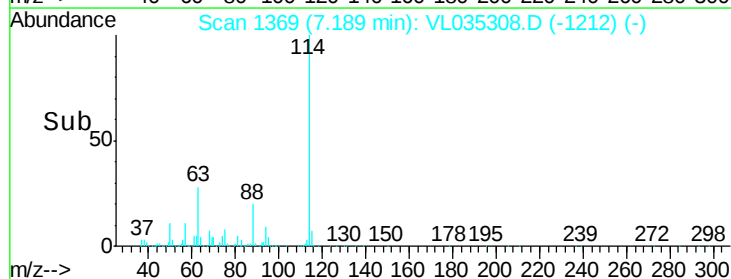
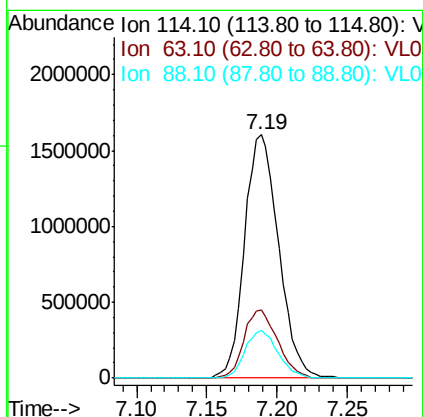
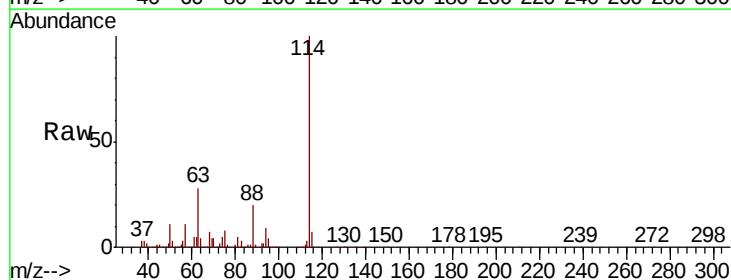
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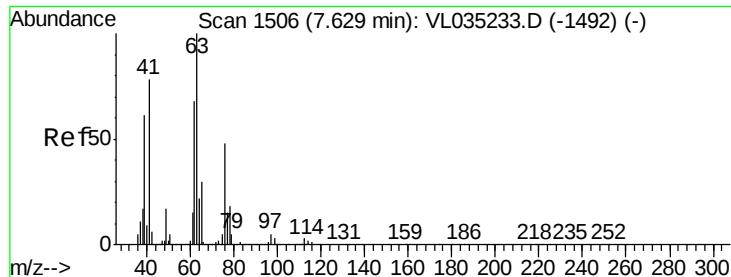
Tot Ion: 84 Resp: 7131
Ion Ratio Lower Upper
84 100
49 94.9 121.0 181.4#
51 60.4 37.7 56.5#
86 10.7 52.2 78.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL035308.D
Acq: 31 Jul 2020 18:38

Tgt Ion: 114 Resp: 2716845
Ion Ratio Lower Upper
114 100
63 27.9 22.2 33.2
88 19.2 15.4 23.0

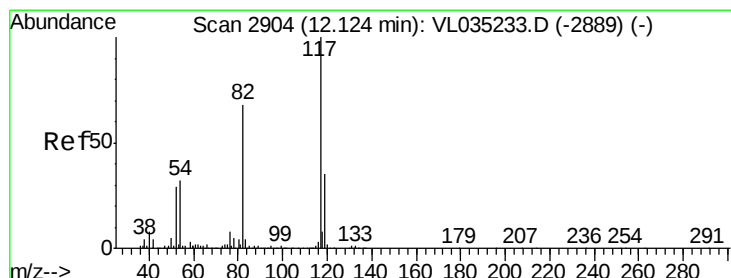
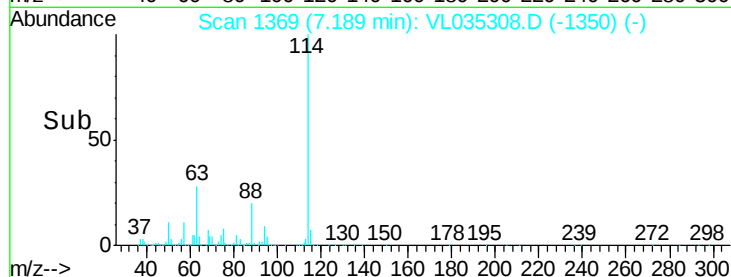
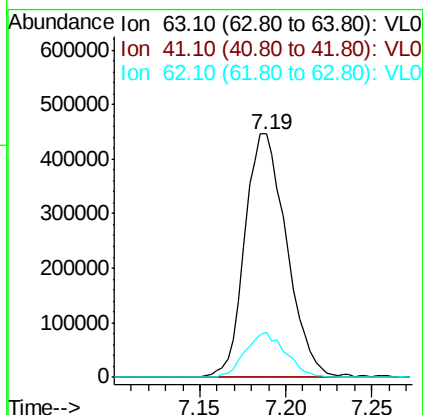
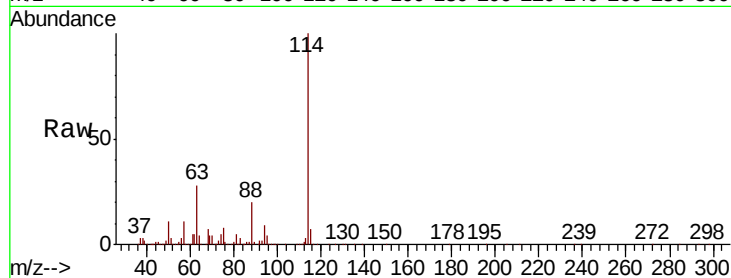




#39
 1,2-Dichloropropane
 Concen: 9.982 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.44 min
 Lab File: VL035308.D
 Acq: 31 Jul 2020 18:38

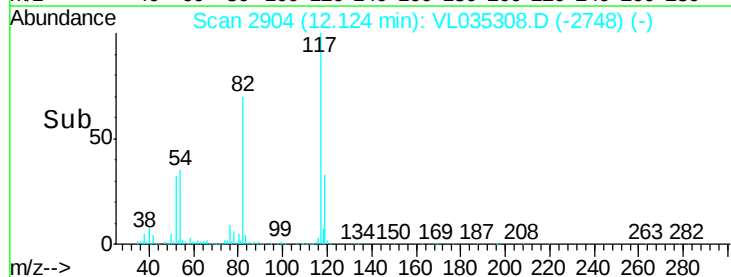
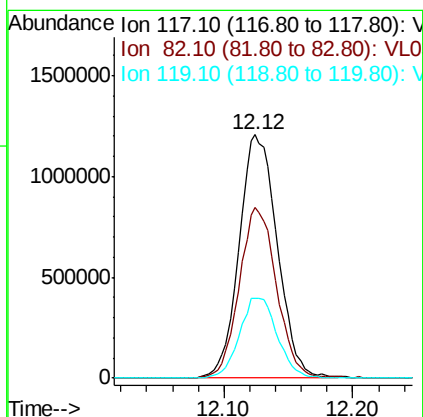
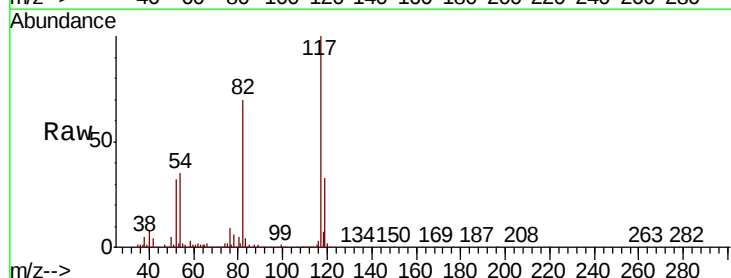
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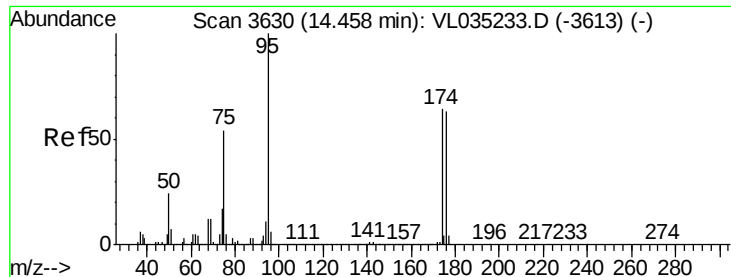
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.2	62.2	93.4#
62	18.6	54.2	81.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2904
 Delta R.T. 0.00 min
 Lab File: VL035308.D
 Acq: 31 Jul 2020 18:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.1	52.4	78.6
119	32.9	24.6	36.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.241 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL035308.D

Acq: 31 Jul 2020 18:38

Instrument :

MSVOA_L

ClientSampleId :

CAN 10448

Tot Ion: 95 Resp: 2034627

Ion Ratio Lower Upper

95 100

174 65.5 52.7 79.1

175 4.9 3.9 5.9

