

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073120\
 Data File : VL035311.D
 Acq On : 31 Jul 2020 20:40
 Operator : SY/AP
 Sample : CAN 10198
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10198

Quant Time: Aug 01 03:54:26 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	1046365	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2634771	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2416684	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1955843	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

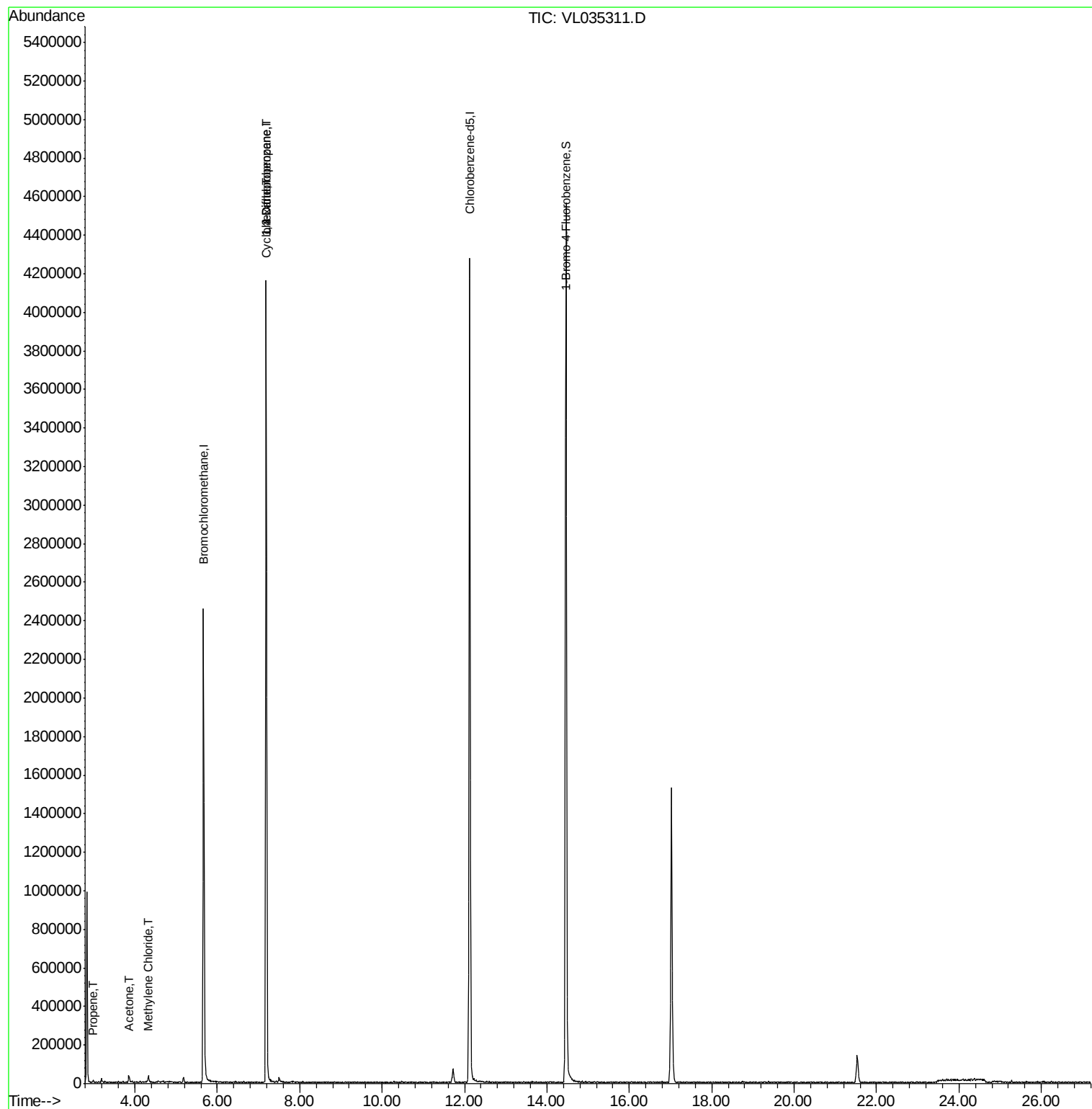
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	1546	0.038	ppbv #	1
15) Acetone	3.84	43	4836	0.035	ppbv #	48
20) Methylene Chloride	4.33	84	8206	0.129	ppbv	95
30) Cyclohexane	7.17	84	5626	0.080	ppbv #	2
39) 1,2-Dichloropropane	7.19	63	717732	9.824	ppbv #	23

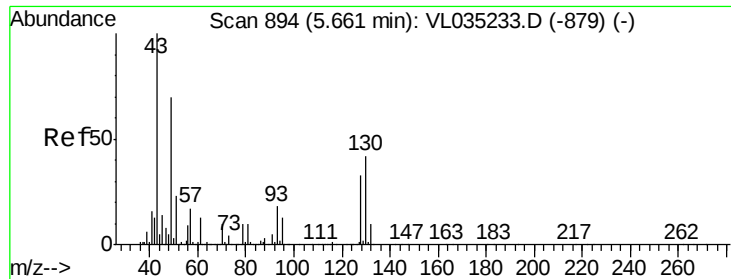
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

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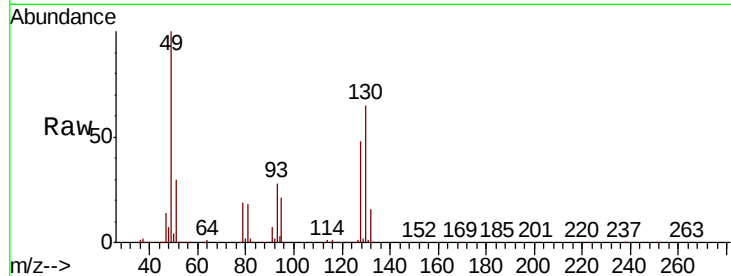
Tot Ion: 49 Resp: 1046365

Ion Ratio Lower Upper

49 100

128 51.0 24.0 72.0

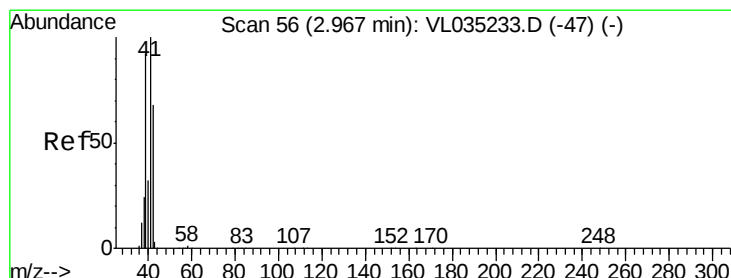
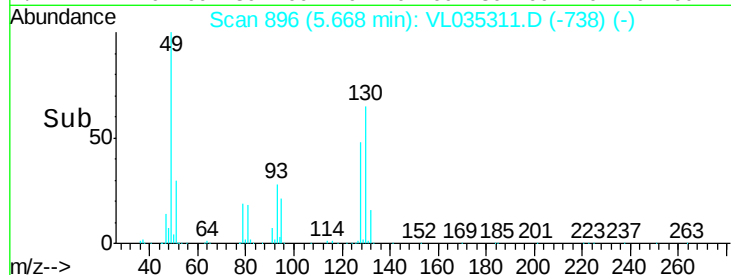
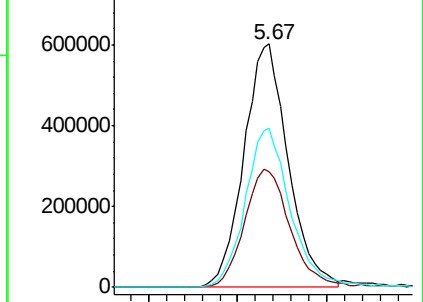
130 67.4 30.7 92.1



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: 0.038 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL035311.D

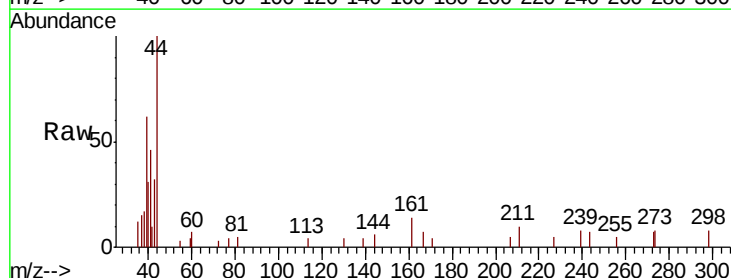
Acq: 31 Jul 2020 20:40

Tgt Ion: 41 Resp: 1546

Ion Ratio Lower Upper

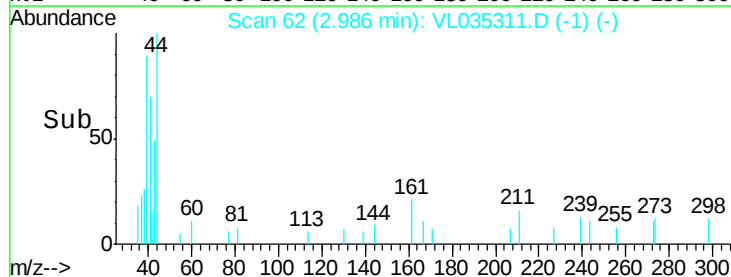
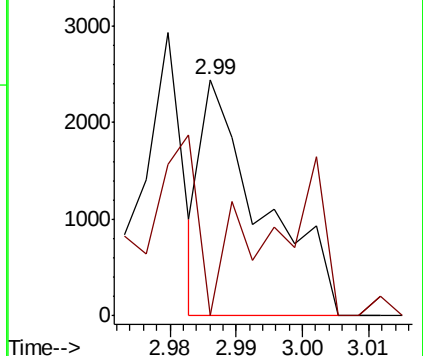
41 100

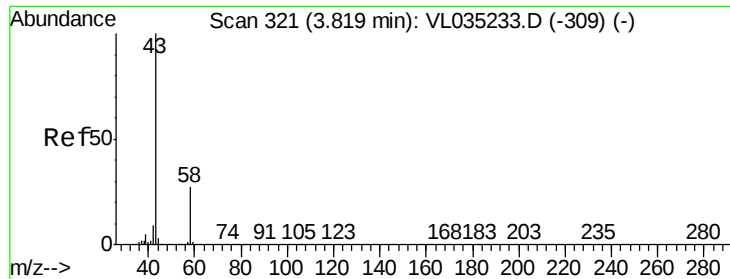
42 162.7 55.0 82.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.035 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL035311.D

Acq: 31 Jul 2020 20:40

Instrument :

MSVOA_L

ClientSampleId :

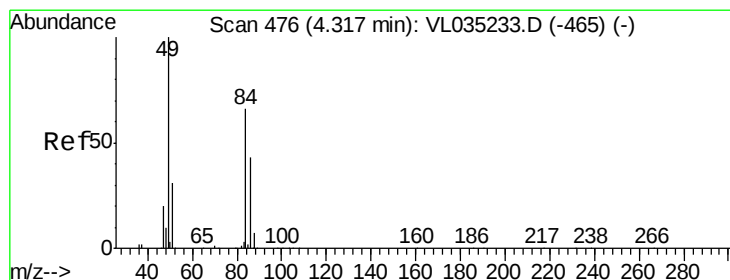
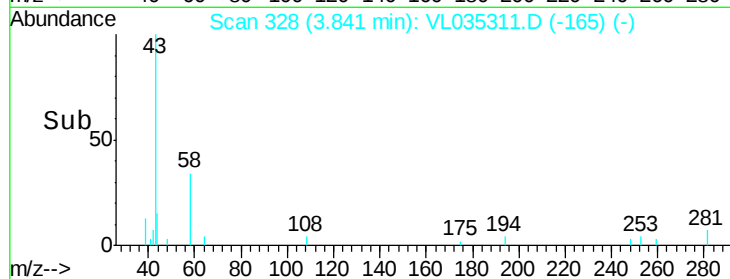
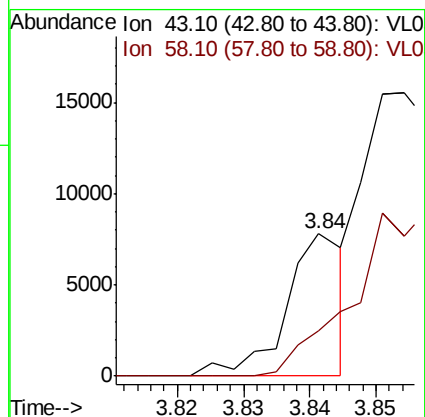
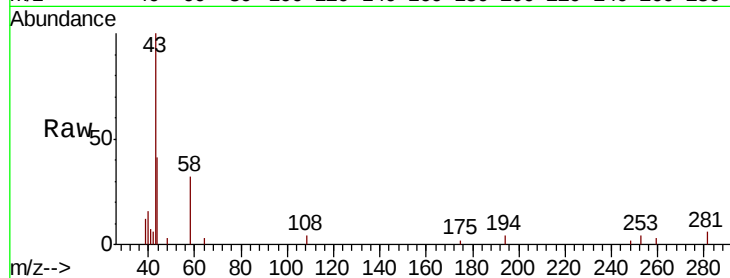
CAN 10198

Tot Ion: 43 Resp: 4836

Ion Ratio Lower Upper

43 100

58 0.0 21.8 32.6#



#20

Methylene Chloride

Concen: 0.129 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL035311.D

Acq: 31 Jul 2020 20:40

Tgt Ion: 84 Resp: 8206

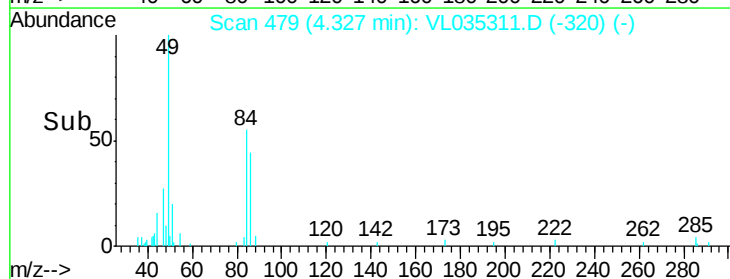
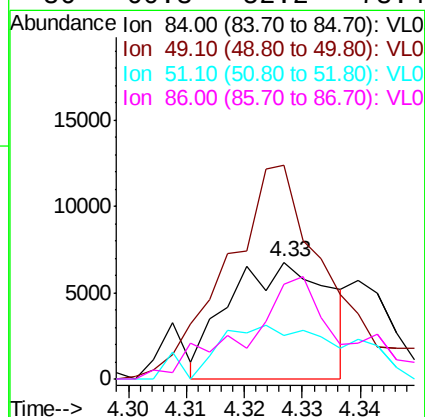
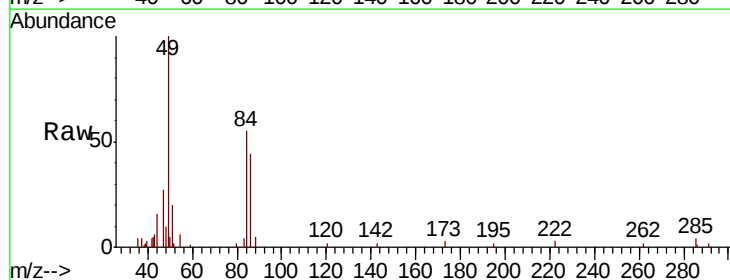
Ion Ratio Lower Upper

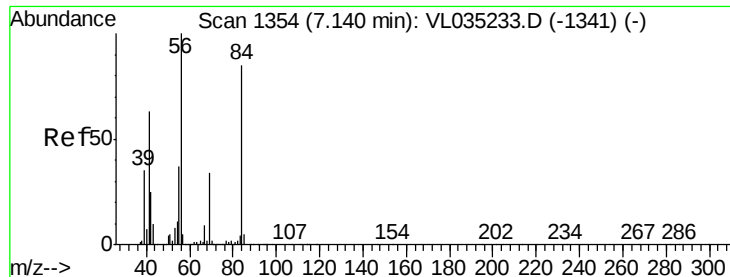
84 100

49 157.9 121.0 181.4

51 48.5 37.7 56.5

86 60.3 52.2 78.4

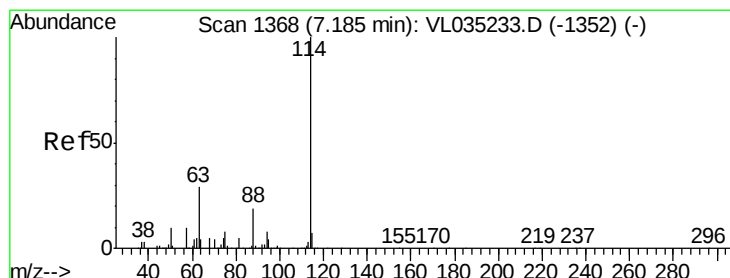
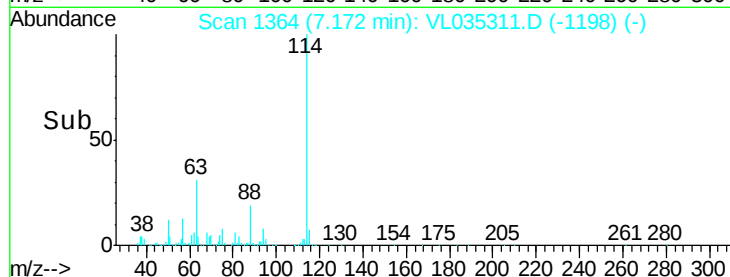
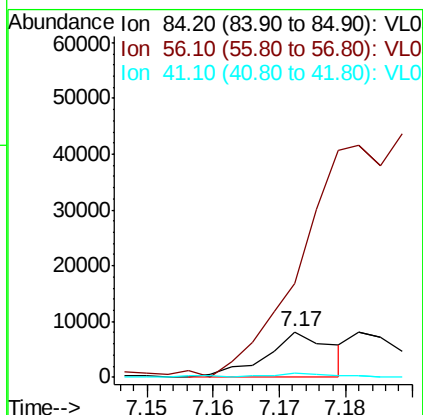
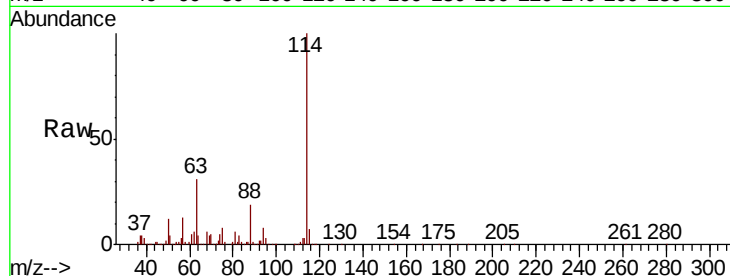




#30
Cvclohexane
Concen: 0.080 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.03 min
Lab File: VL035311.D
Acq: 31 Jul 2020 20:40

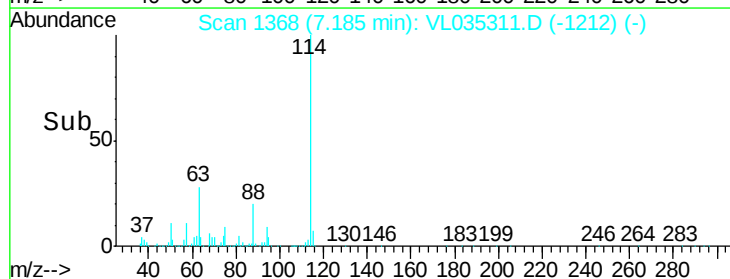
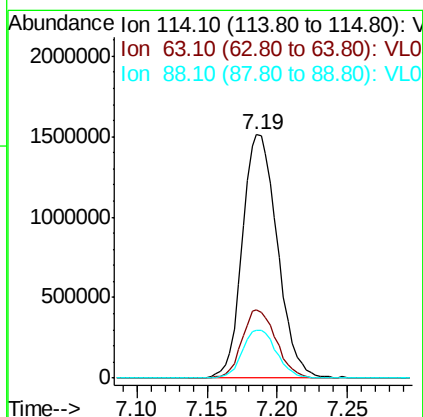
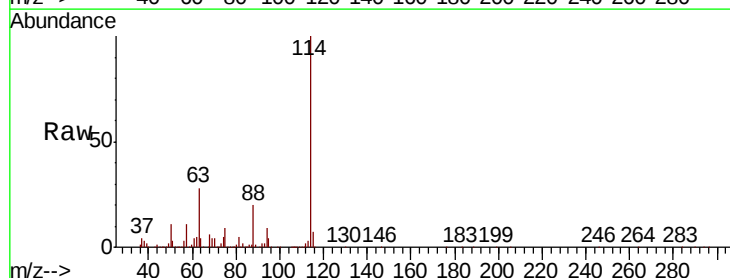
Instrument :
MSVOA_L
ClientSampleId :
CAN 10198

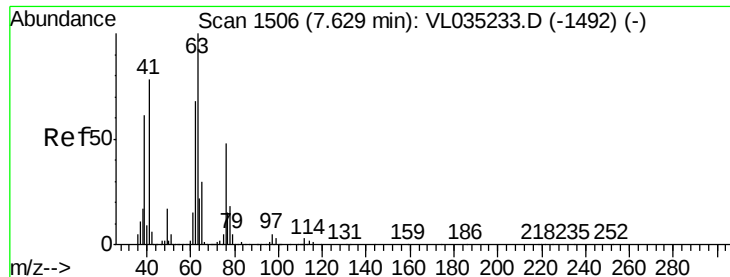
Tot Ion: 84 Resp: 5626
Ion Ratio Lower Upper
84 100
56 0.0 104.2 156.2#
41 12.5 63.7 95.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1368
Delta R.T. 0.00 min
Lab File: VL035311.D
Acq: 31 Jul 2020 20:40

Tgt Ion: 114 Resp: 2634771
Ion Ratio Lower Upper
114 100
63 27.4 22.2 33.2
88 19.4 15.4 23.0





#39

1,2-Dichloropropane

Concen: 9.824 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.44 min

Lab File: VL035311.D

Acq: 31 Jul 2020 20:40

Instrument :

MSVOA_L

ClientSampleId :

CAN 10198

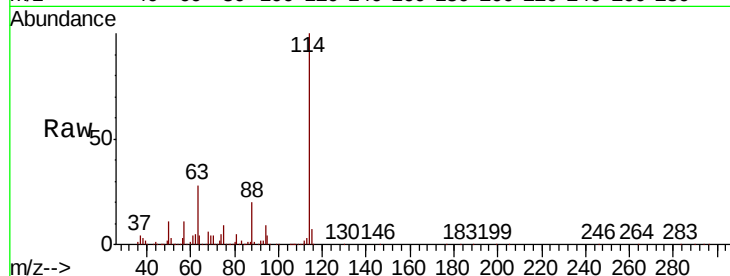
Tot Ion: 63 Resp: 717732

Ion Ratio Lower Upper

63 100

41 0.0 62.2 93.4#

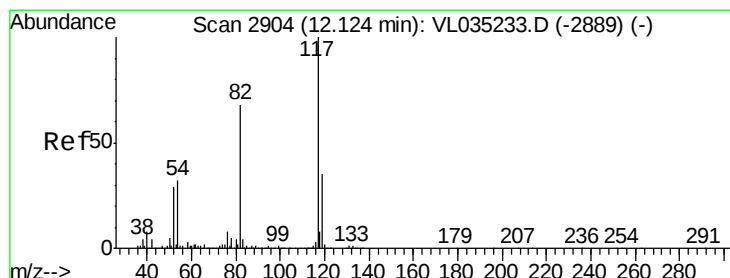
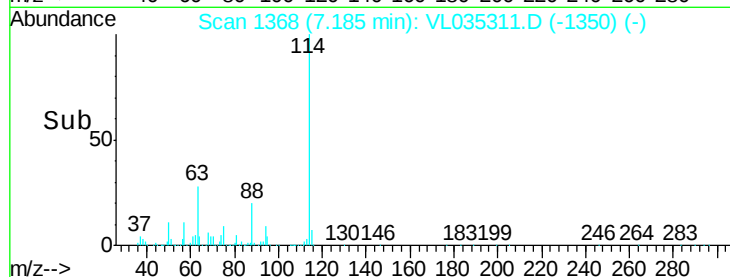
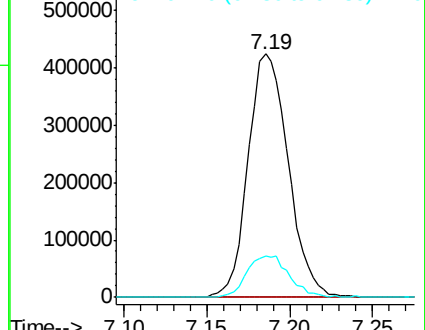
62 16.8 54.2 81.2#



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: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL035311.D

Acq: 31 Jul 2020 20:40

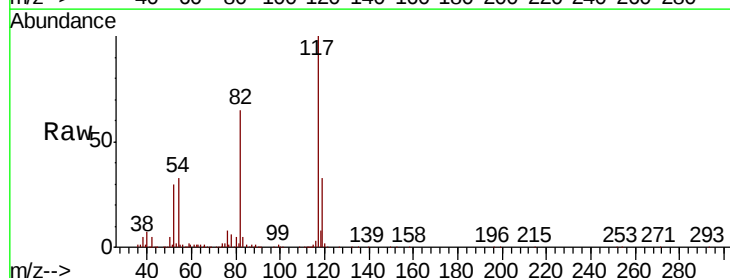
Tgt Ion: 117 Resp: 2416684

Ion Ratio Lower Upper

117 100

82 69.0 52.4 78.6

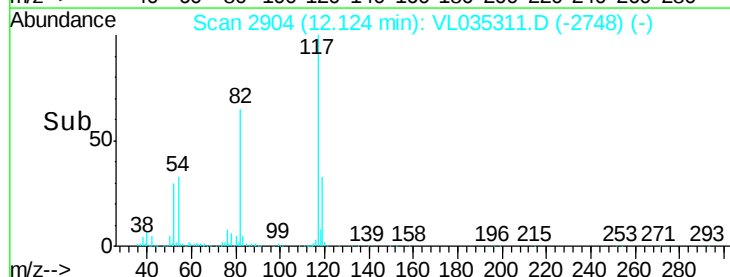
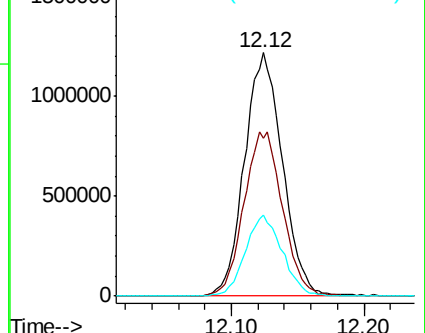
119 32.6 24.6 36.8

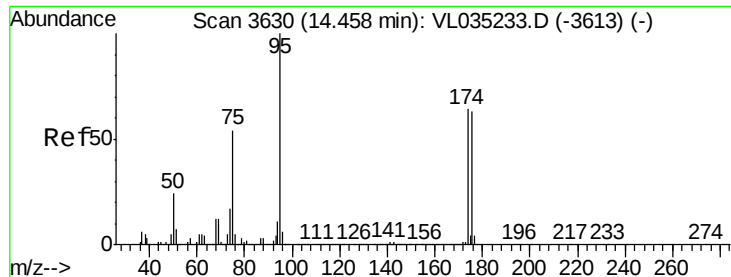


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.128 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.00 min

Lab File: VL035311.D

Acq: 31 Jul 2020 20:40

Instrument :

MSVOA_L

ClientSampleId :

CAN 10198

Tot Ion: 95 Resp: 1955843

Ion Ratio Lower Upper

95 100

174 66.9 52.7 79.1

175 4.7 3.9 5.9

