

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082720\
 Data File : VL035524.D
 Acq On : 27 Aug 2020 18:22
 Operator : SY/AP
 Sample : CAN 10197
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10197

Quant Time: Aug 28 01:28:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	975884	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	4031052	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	4016715	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2953697	10.35	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

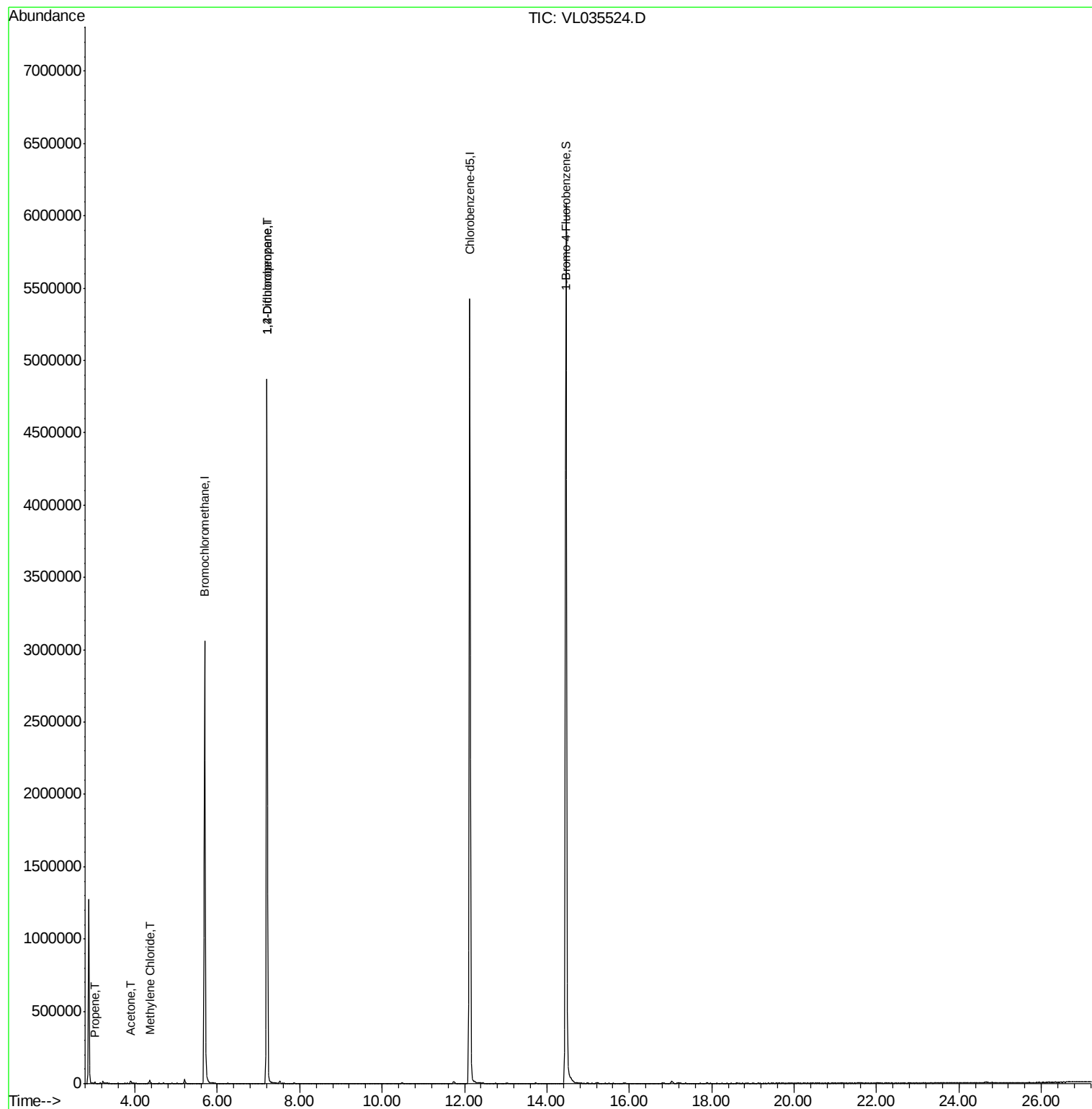
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	1389	0.033	ppbv #	14
15) Acetone	3.89	43	11952	0.111	ppbv #	1
20) Methylene Chloride	4.37	84	3943	0.049	ppbv	91
39) 1,2-Dichloropropane	7.20	63	734994	8.338	ppbv #	33

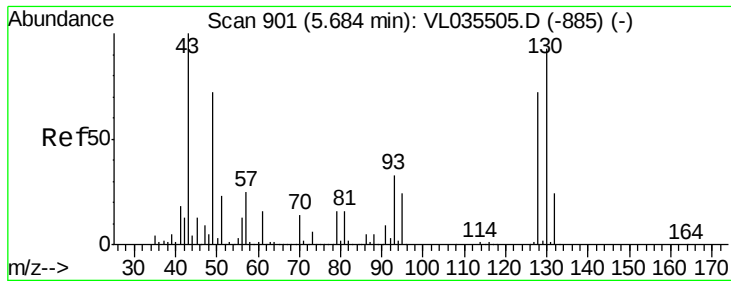
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035524.D

Acq: 27 Aug 2020 18:22

Instrument :

MSVOA_L

ClientSampleId :

CAN 10197

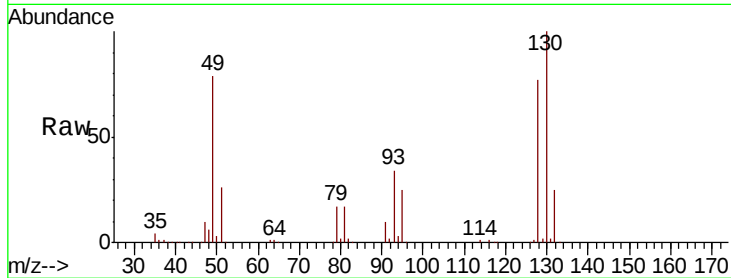
Tot Ion: 49 Resp: 975884

Ion Ratio Lower Upper

49 100

128 96.1 50.0 150.1

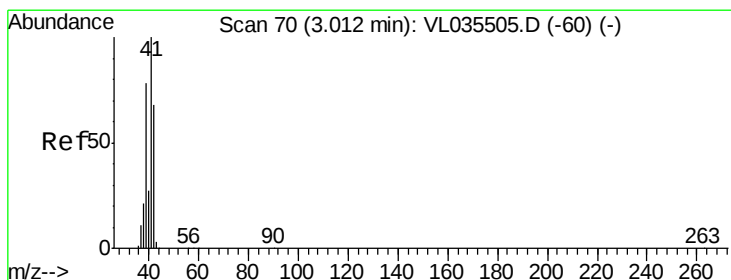
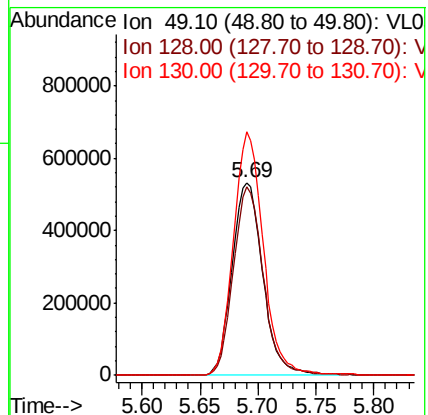
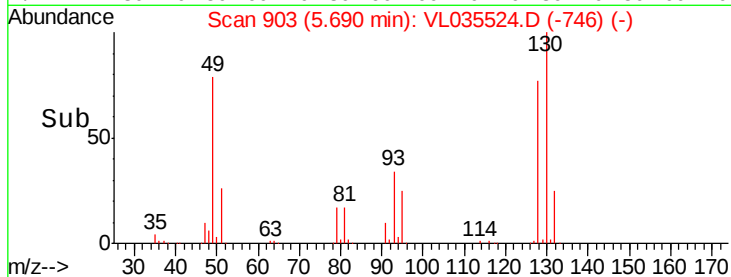
130 123.5 64.4 193.2



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



#9

Propene

Concen: 0.033 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL035524.D

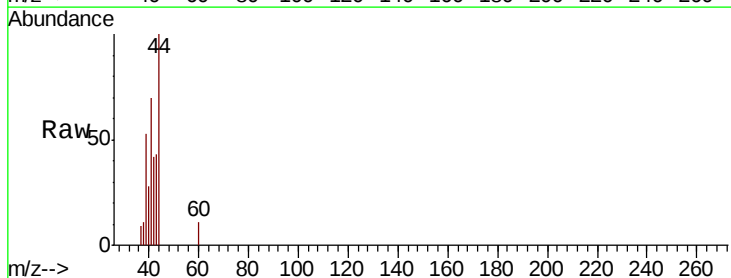
Acq: 27 Aug 2020 18:22

Tgt Ion: 41 Resp: 1389

Ion Ratio Lower Upper

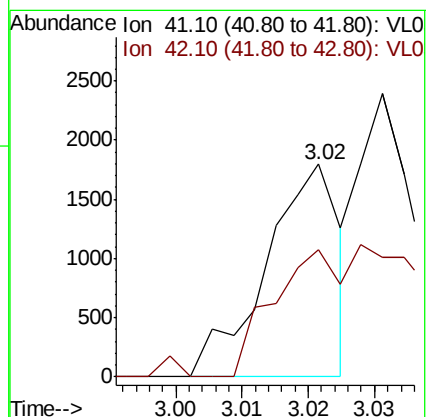
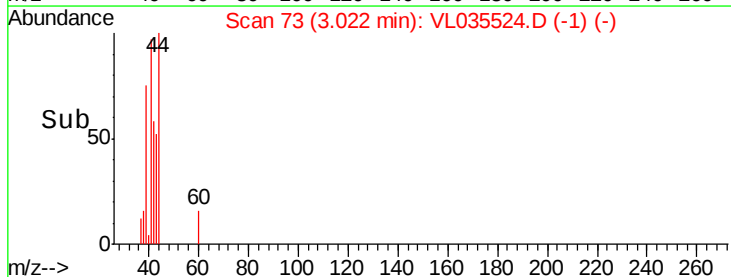
41 100

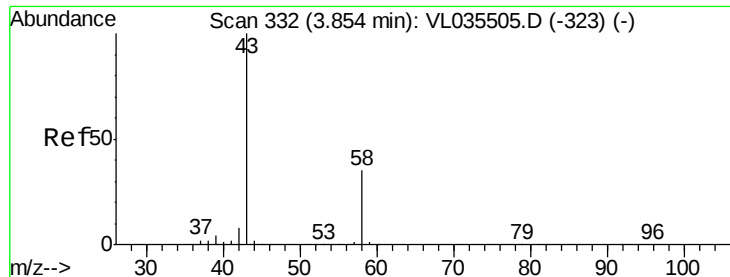
42 0.0 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.111 ppbv

RT: 3.89 min Scan# 344

Delta R.T. 0.04 min

Lab File: VL035524.D

Acq: 27 Aug 2020 18:22

Instrument :

MSVOA_L

ClientSampled :

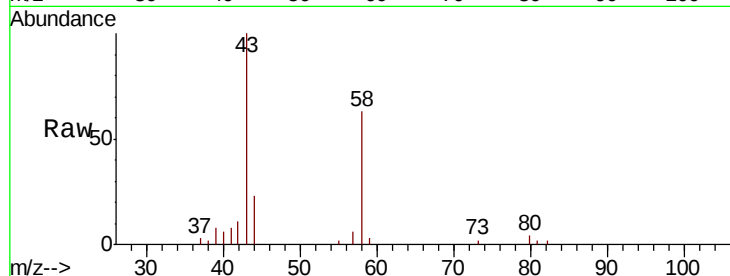
CAN 10197

Tot Ion: 43 Resp: 11952

Ion Ratio Lower Upper

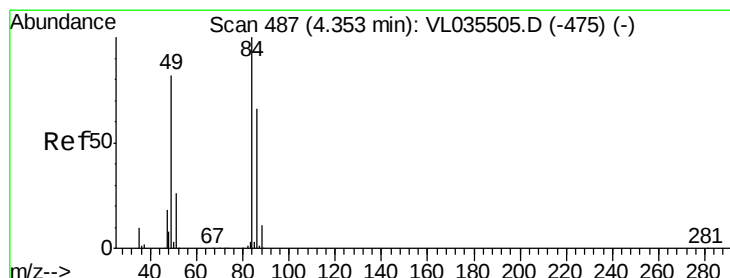
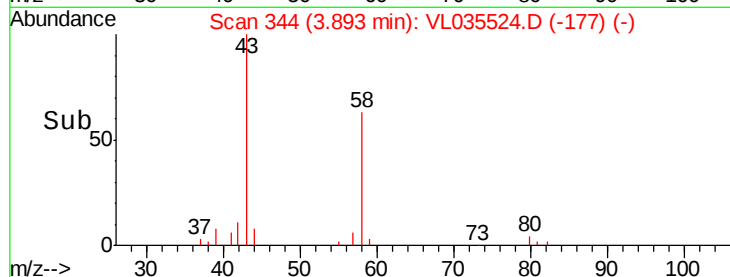
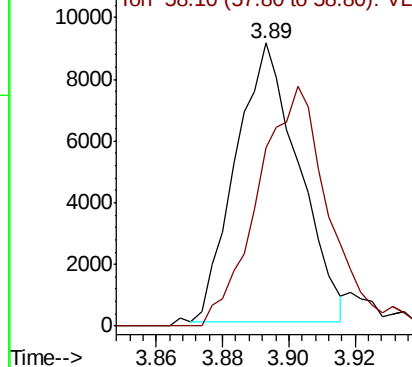
43 100

58 97.8 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.049 ppbv

RT: 4.37 min Scan# 492

Delta R.T. 0.02 min

Lab File: VL035524.D

Acq: 27 Aug 2020 18:22

Tgt Ion: 84 Resp: 3943

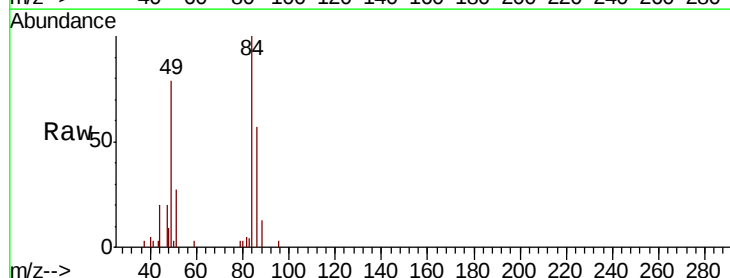
Ion Ratio Lower Upper

84 100

49 75.8 65.4 98.0

51 28.4 21.5 32.3

86 54.8 52.9 79.3

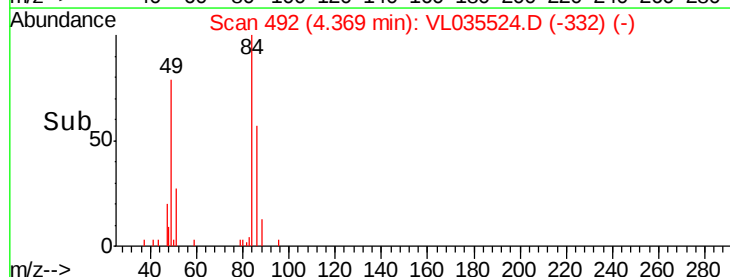
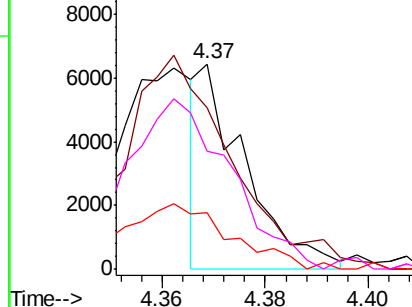


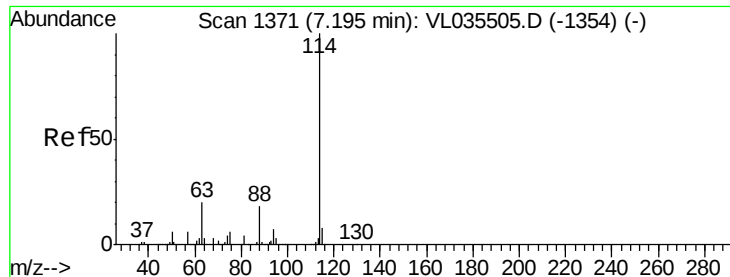
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

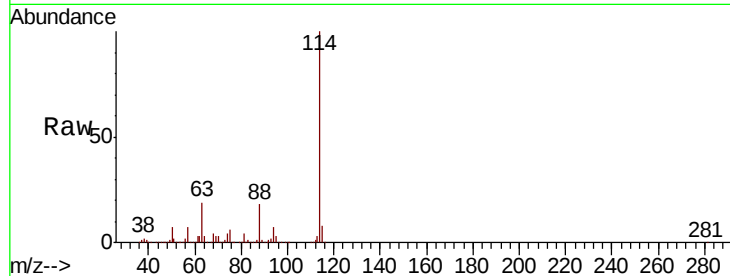




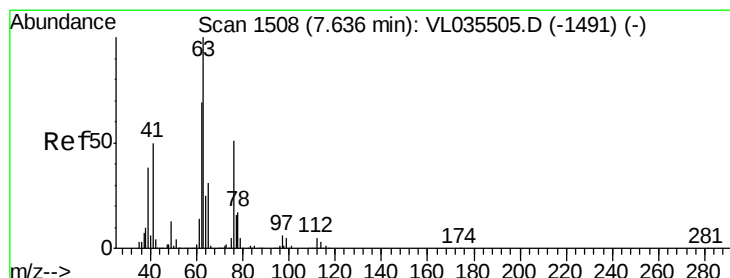
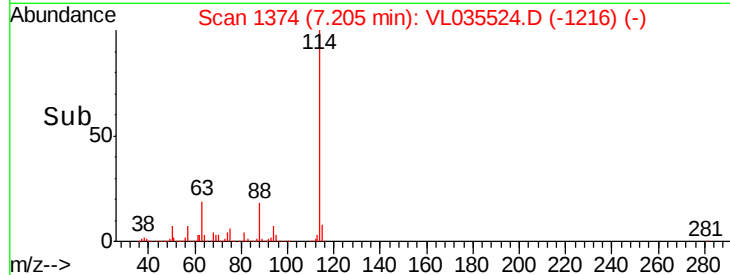
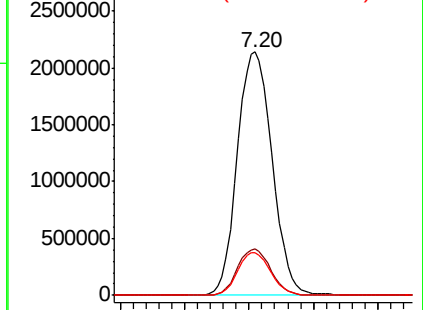
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. 0.01 min
 Lab File: VL035524.D
 Acq: 27 Aug 2020 18:22

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10197

Tot Ion:114 Resp: 4031052
 Ion Ratio Lower Upper
 114 100
 63 18.3 14.7 22.1
 88 16.8 13.4 20.2

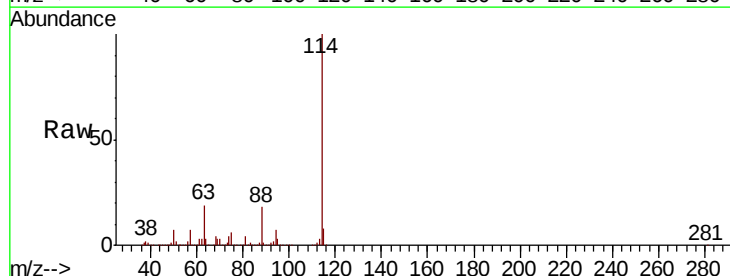


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

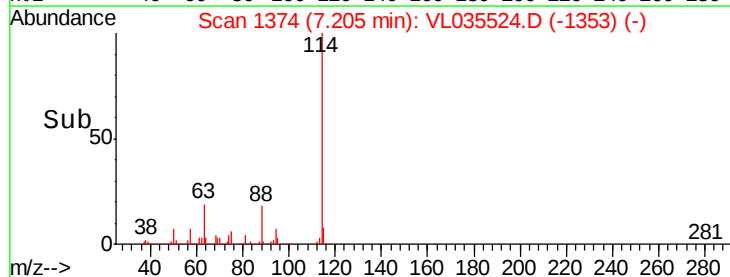
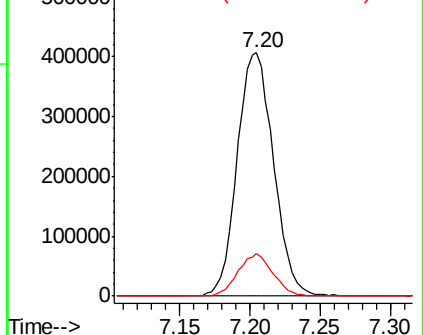


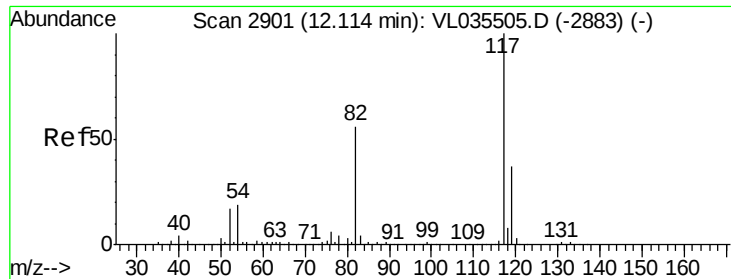
#39
 1,2-Dichloropropane
 Concen: 8.338 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.43 min
 Lab File: VL035524.D
 Acq: 27 Aug 2020 18:22

Tgt Ion: 63 Resp: 734994
 Ion Ratio Lower Upper
 63 100
 41 0.0 40.0 60.0#
 62 17.4 55.4 83.0#



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

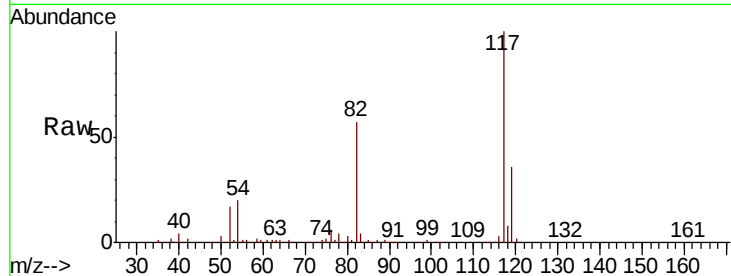




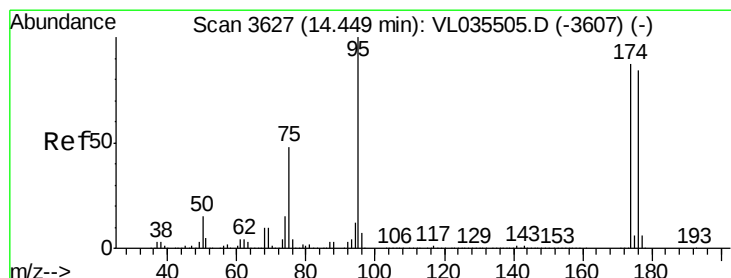
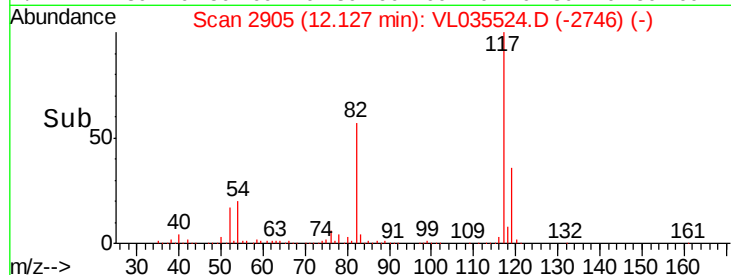
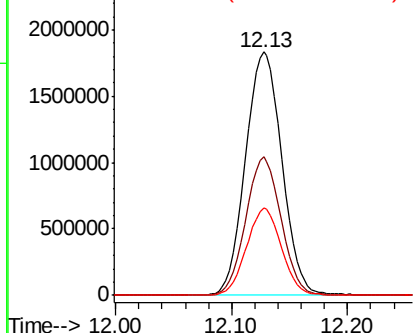
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL035524.D
Acq: 27 Aug 2020 18:22

Instrument :
MSVOA_L
ClientSampleId :
CAN 10197

Tot Ion:117 Resp: 4016715
Ion Ratio Lower Upper
117 100
82 55.4 41.6 62.4
119 34.5 29.3 43.9

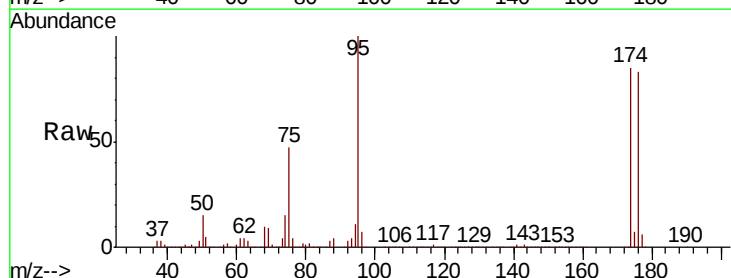


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.355 ppbv
RT: 14.46 min Scan# 3631
Delta R.T. 0.01 min
Lab File: VL035524.D
Acq: 27 Aug 2020 18:22

Tgt Ion: 95 Resp: 2953697
Ion Ratio Lower Upper
95 100
174 87.8 69.6 104.4
175 6.4 5.1 7.7



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

