

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL123019\
 Data File : VL034528.D
 Acq On : 31 Dec 2019 1:46
 Operator : SY/AP
 Sample : QC121819 CAN 10269
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC121819 CAN 10269

Quant Time: Dec 31 05:02:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL123019AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 30 14:58:50 2019
 QLast Update : Mon Dec 30 14:58:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	928122	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1813430	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	1813290	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.47	95	1481926	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

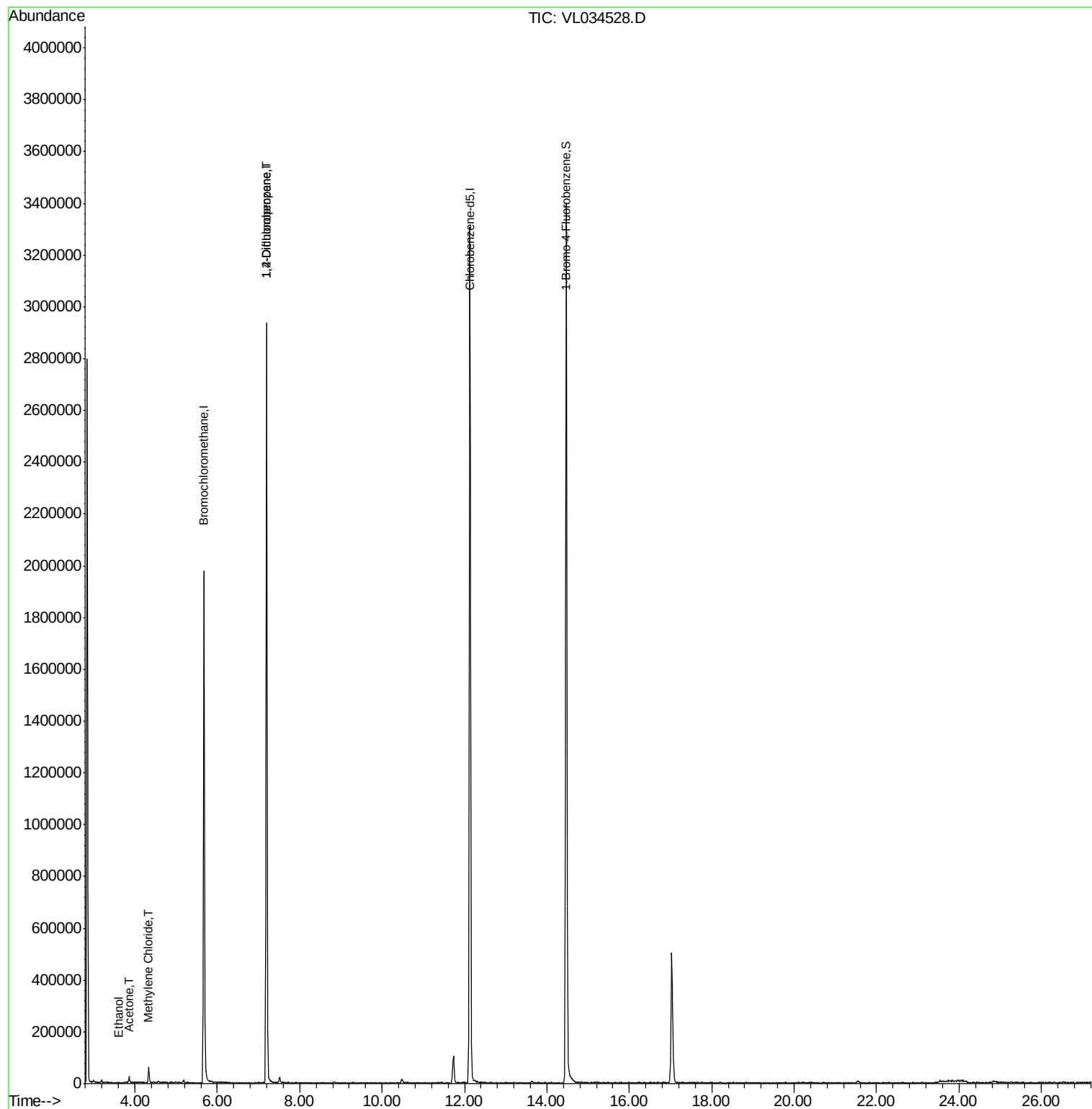
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.61	45	537	0.045	ppbv #	38
15) Acetone	3.86	43	16464	0.122	ppbv #	57
20) Methylene Chloride	4.33	84	10633	0.200	ppbv	93
39) 1,2-Dichloropropane	7.20	63	543218	8.357	ppbv #	21

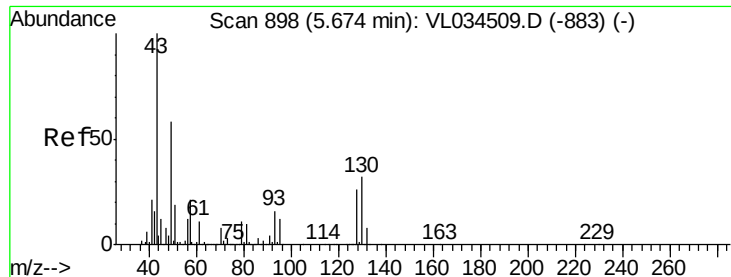
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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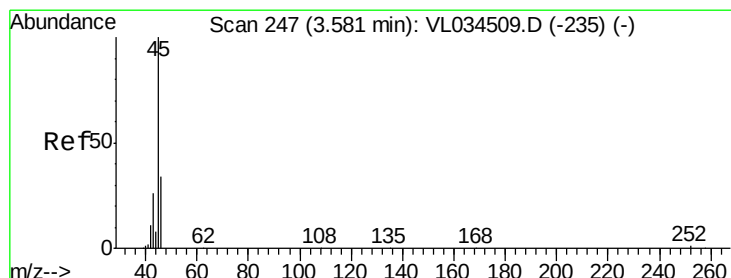
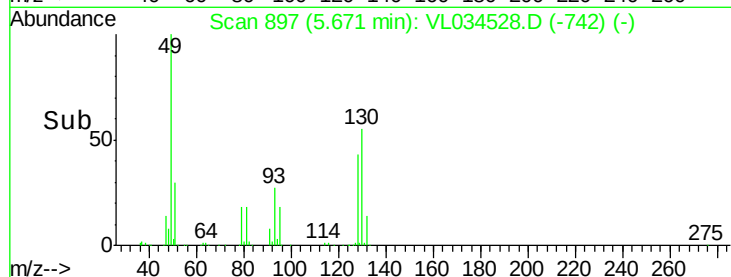
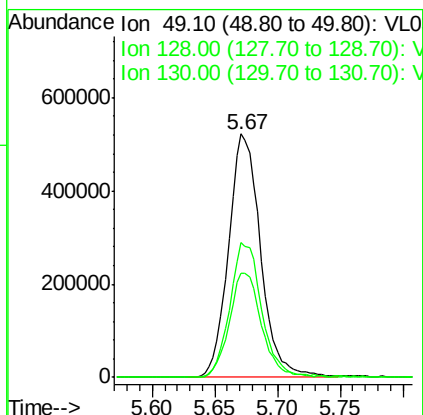
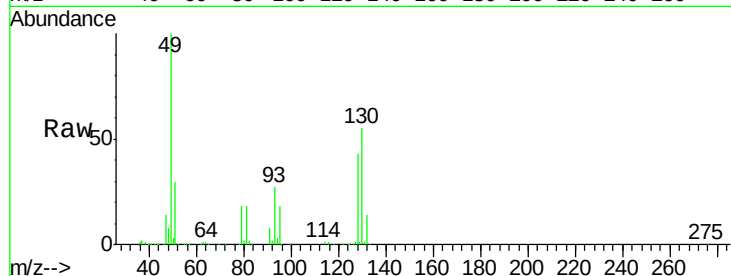




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL034528.D
Acq: 31 Dec 2019 1:46

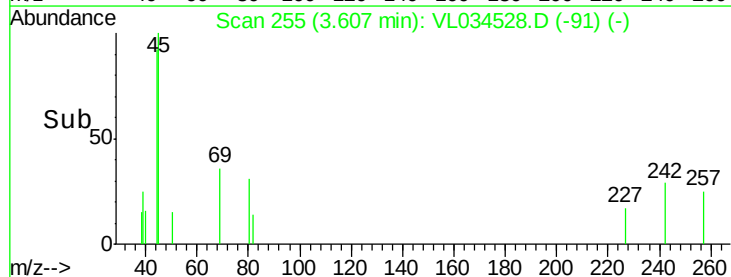
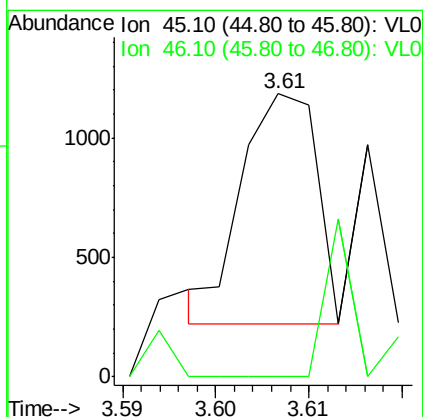
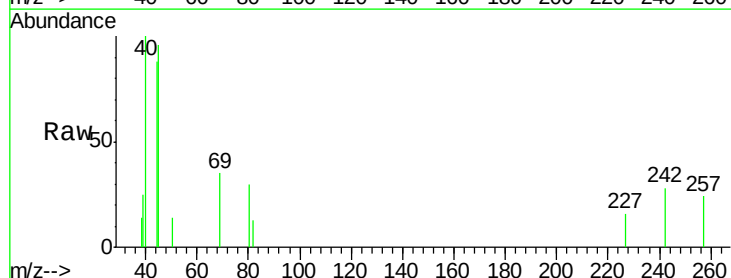
Instrument :
MSVOA_L
ClientSampleId :
QC121819 CAN 10269

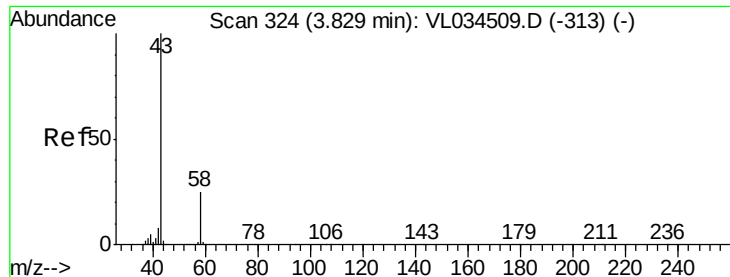
Tgt Ion: 49 Resp: 928122
Ion Ratio Lower Upper
49 100
128 43.7 22.4 67.2
130 55.9 28.3 85.0



#13
Ethanol
Concen: 0.045 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.03 min
Lab File: VL034528.D
Acq: 31 Dec 2019 1:46

Tgt Ion: 45 Resp: 537
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.7#





#15

Acetone

Concen: 0.122 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.03 min

Lab File: VL034528.D

Acq: 31 Dec 2019 1:46

Instrument :

MSVOA_L

ClientSampleId :

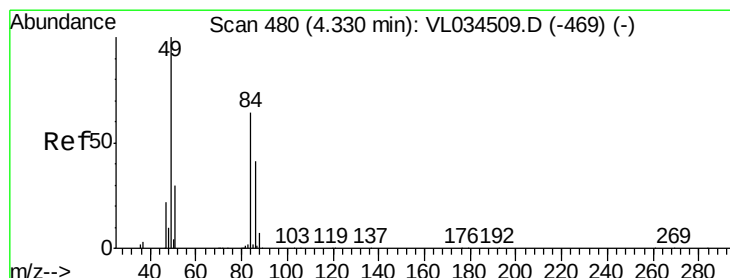
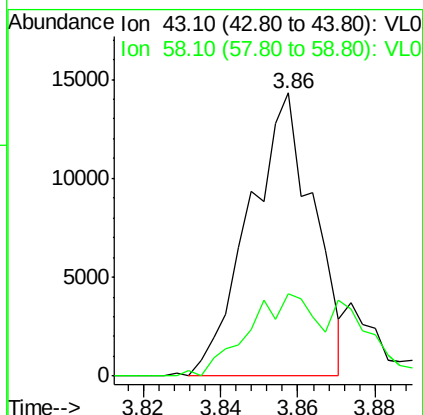
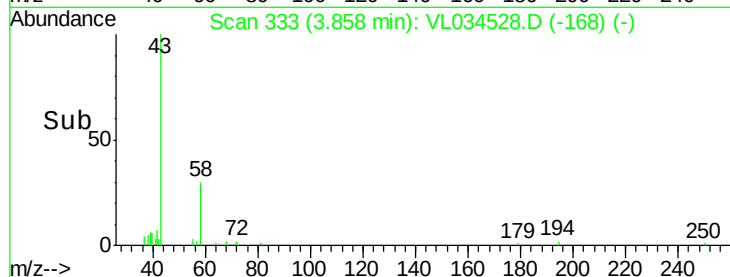
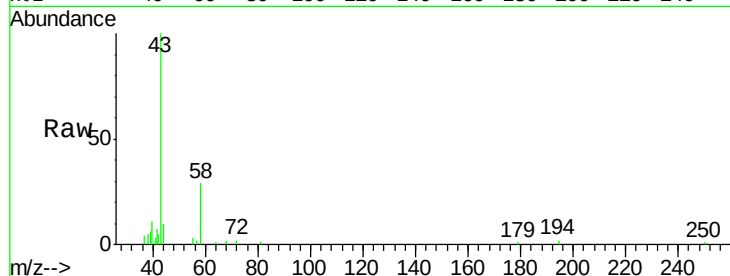
QC121819 CAN 10269

Tgt Ion: 43 Resp: 16464

Ion Ratio Lower Upper

43 100

58 47.2 20.4 30.6#



#20

Methylene Chloride

Concen: 0.200 ppbv

RT: 4.33 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL034528.D

Acq: 31 Dec 2019 1:46

Tgt Ion: 84 Resp: 10633

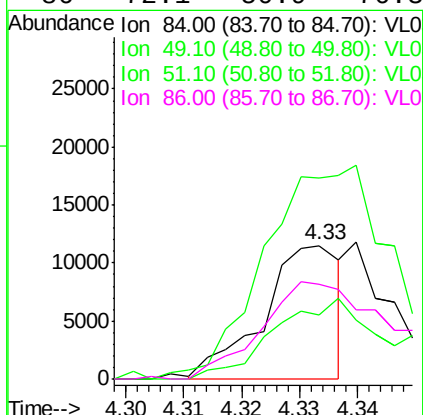
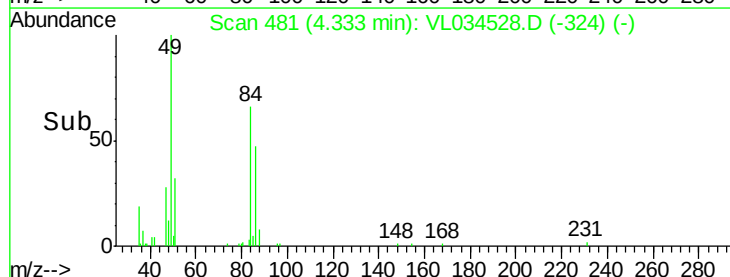
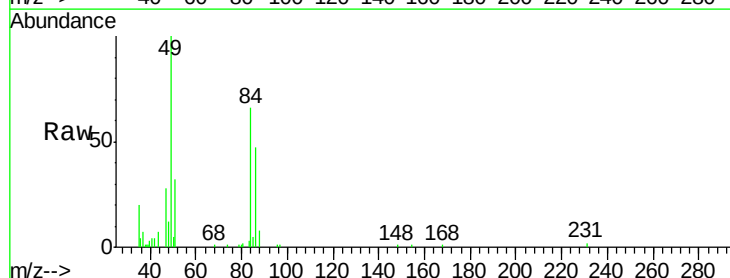
Ion Ratio Lower Upper

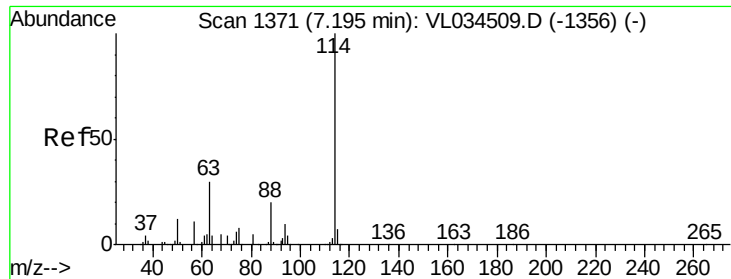
84 100

49 147.0 124.4 186.6

51 49.4 37.0 55.6

86 72.1 50.9 76.3

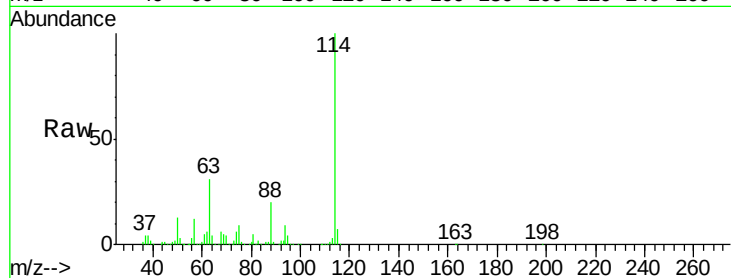




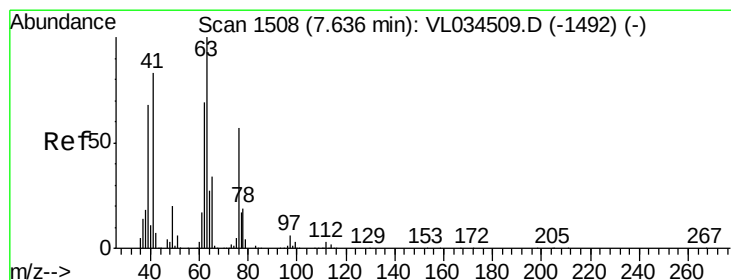
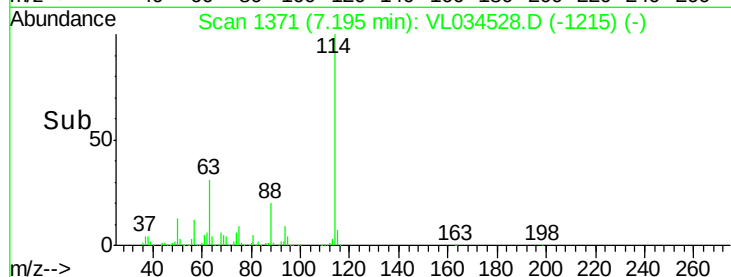
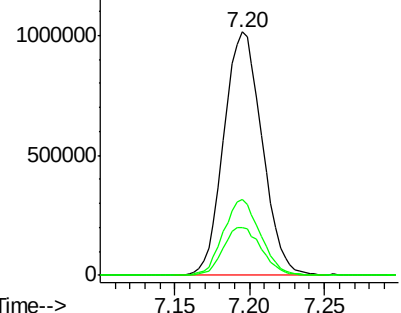
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. 0.00 min
 Lab File: VL034528.D
 Acq: 31 Dec 2019 1:46

Instrument :
 MSVOA_L
 ClientSampleId :
 QC121819 CAN 10269

Tgt Ion:114 Resp: 1813430
 Ion Ratio Lower Upper
 114 100
 63 30.1 24.1 36.1
 88 19.7 15.7 23.5

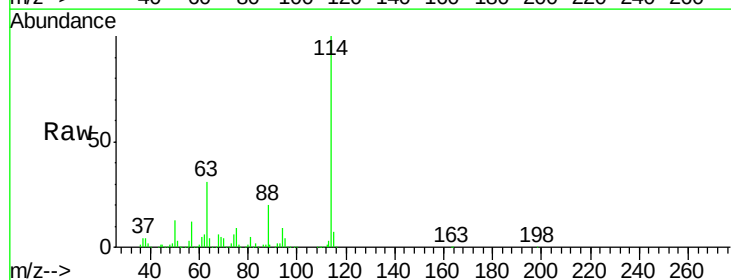


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

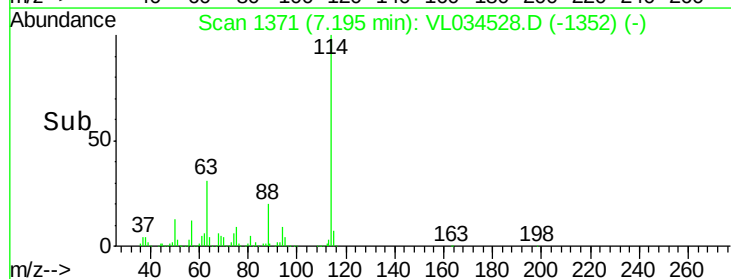
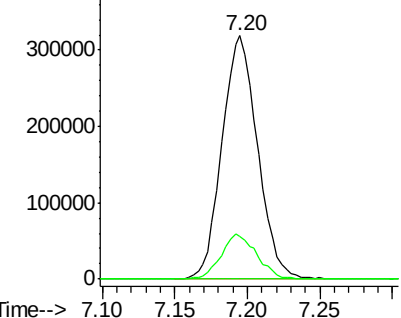


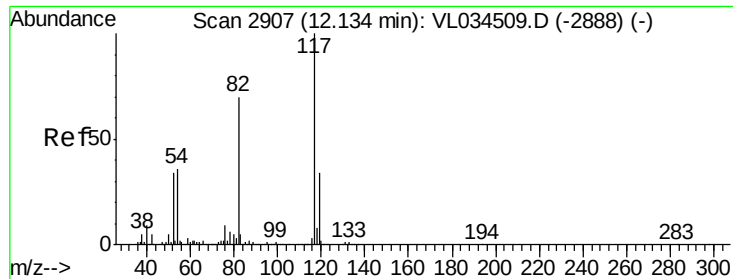
#39
 1,2-Dichloropropane
 Concen: 8.357 ppbv
 RT: 7.20 min Scan# 1371
 Delta R.T. -0.44 min
 Lab File: VL034528.D
 Acq: 31 Dec 2019 1:46

Tgt Ion: 63 Resp: 543218
 Ion Ratio Lower Upper
 63 100
 41 0.0 66.1 99.1#
 62 17.6 54.9 82.3#



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

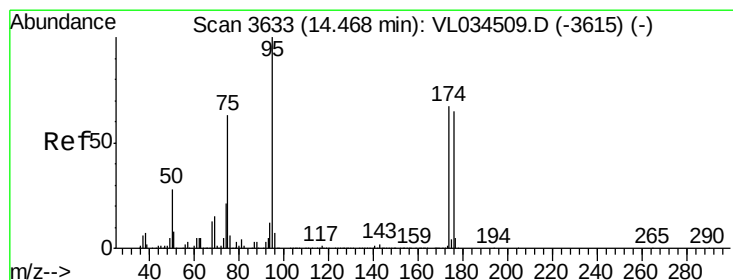
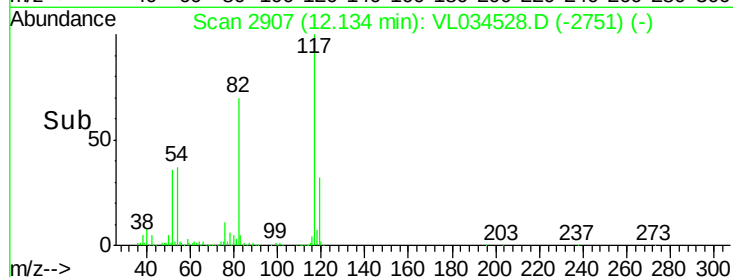
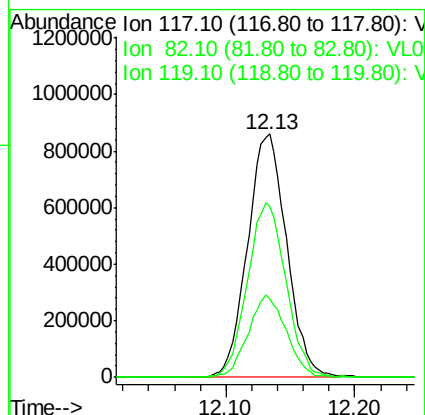
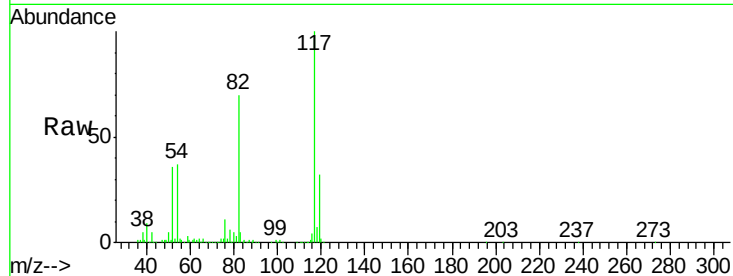




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. 0.00 min
Lab File: VL034528.D
Acq: 31 Dec 2019 1:46

Instrument :
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Tgt Ion: 117 Resp: 1813290
Ion Ratio Lower Upper
117 100
82 71.2 56.2 84.4
119 33.3 27.1 40.7



#68
1-Bromo-4-Fluorobenzene
Concen: 9.794 ppbv
RT: 14.47 min Scan# 3633
Delta R.T. -0.00 min
Lab File: VL034528.D
Acq: 31 Dec 2019 1:46

Tgt Ion: 95 Resp: 1481926
Ion Ratio Lower Upper
95 100
174 64.1 52.4 78.6
175 4.4 3.9 5.9

