

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035260.D
 Acq On : 30 Jul 2020 00:11
 Operator : SY/AP
 Sample : L3463-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Quant Time: Jul 30 12:08:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.66	49	1163509	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2847363	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2670536	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2145324	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

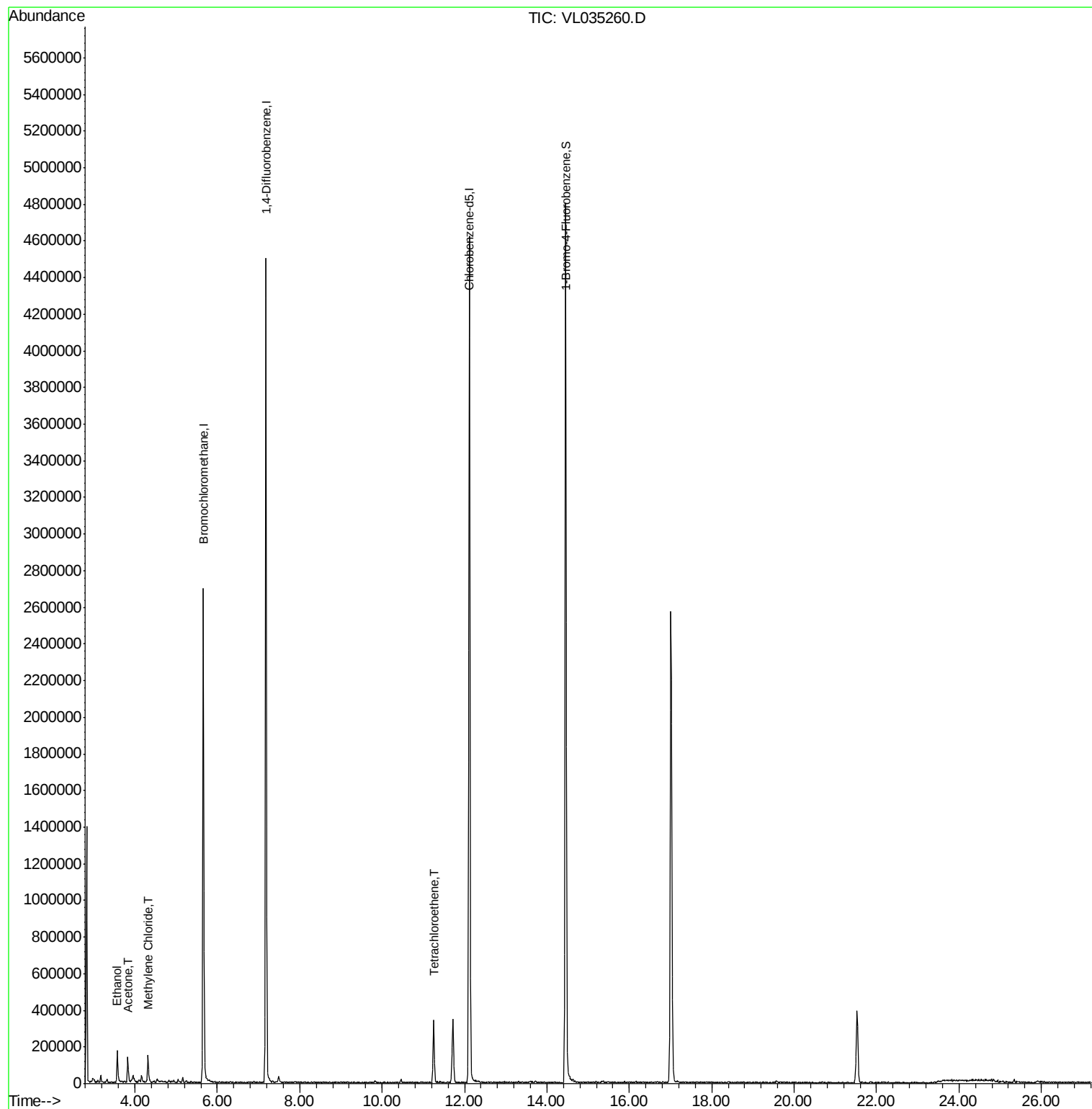
Target Compounds					Ovalue
13) Ethanol	3.57	45	165457	9.055 ppbv	95
15) Acetone	3.83	43	124642	0.803 ppbv	93
20) Methylene Chloride	4.33	84	50050	0.708 ppbv #	76
52) Tetrachloroethene	11.25	164	80445	1.065 ppbv	90

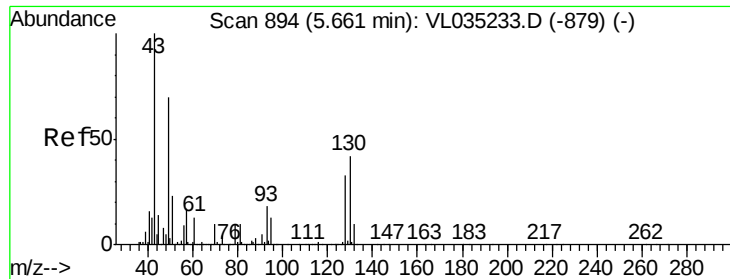
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.00 min

Lab File: VL035260.D

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MSVOA_L

ClientSampleId :

IA3DL

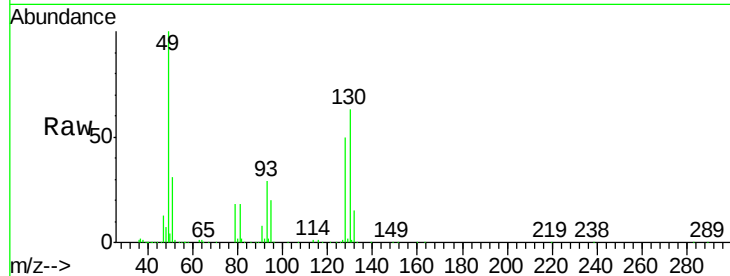
Tot Ion: 49 Resp: 1163509

Ion Ratio Lower Upper

49 100

128 50.5 24.0 72.0

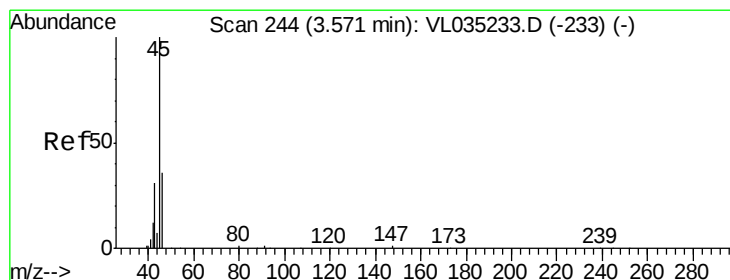
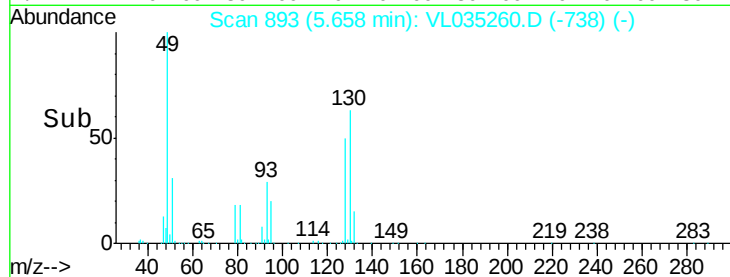
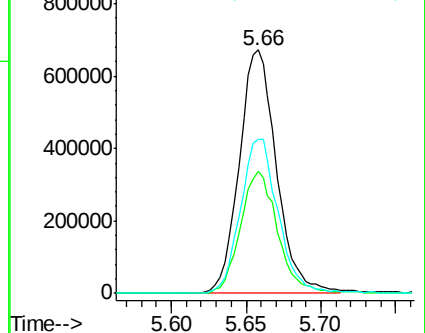
130 64.3 30.7 92.1



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



#13

Ethanol

Concen: 9.055 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035260.D

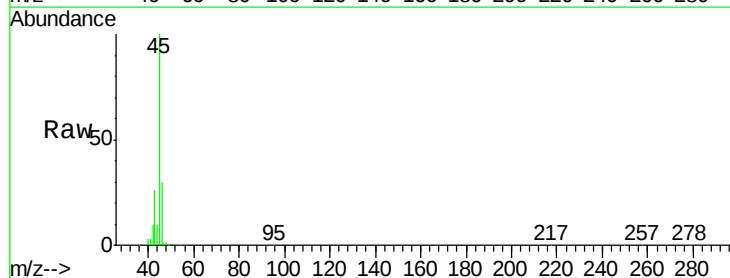
Acq: 30 Jul 2020 00:11

Tgt Ion: 45 Resp: 165457

Ion Ratio Lower Upper

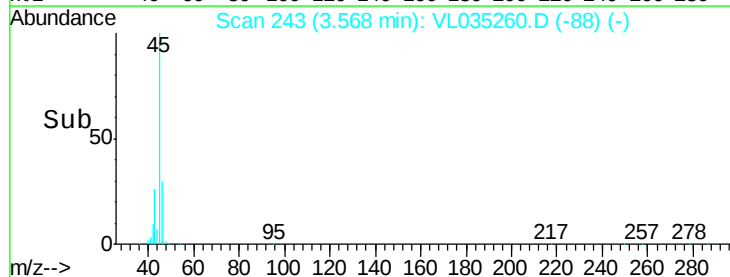
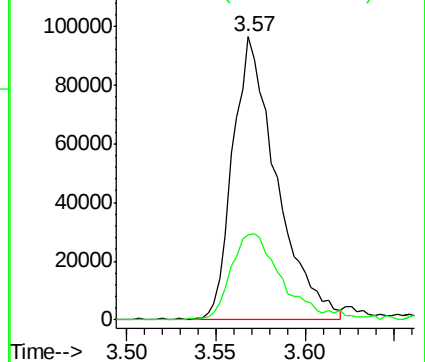
45 100

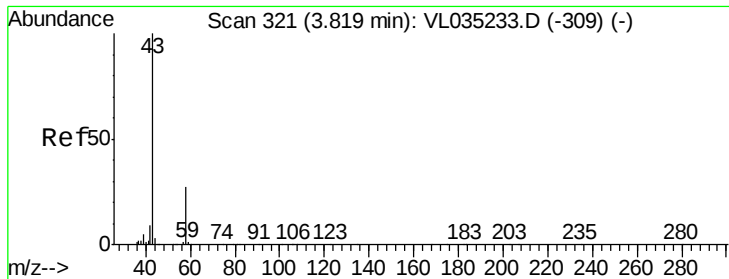
46 36.7 15.8 63.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.803 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

Instrument :

MSVOA_L

ClientSampleId :

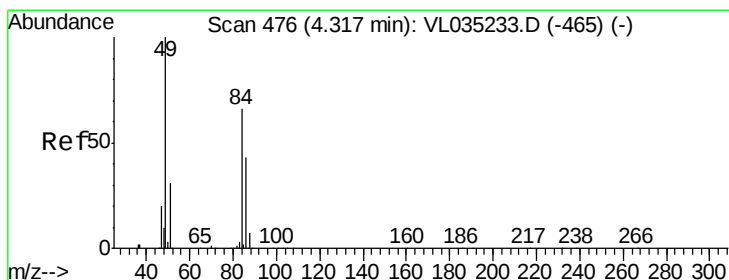
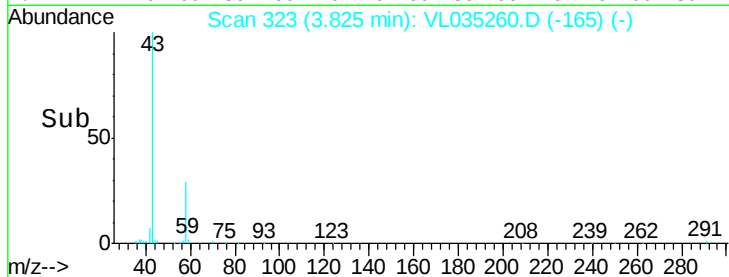
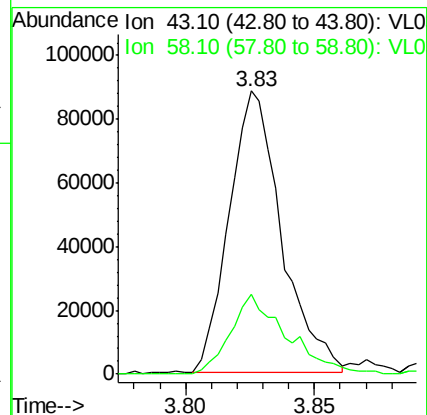
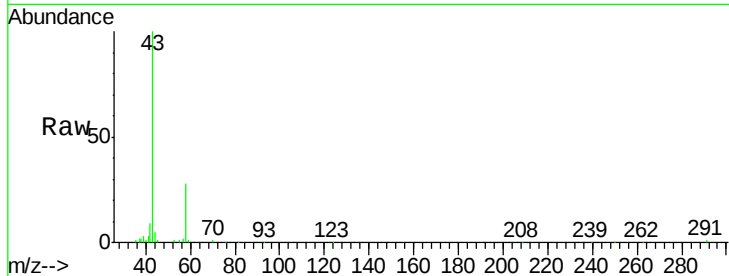
IA3DL

Tot Ion: 43 Resp: 124642

Ion Ratio Lower Upper

43 100

58 30.9 21.8 32.6



#20

Methylene Chloride

Concen: 0.708 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL035260.D

Acq: 30 Jul 2020 00:11

Tgt Ion: 84 Resp: 50050

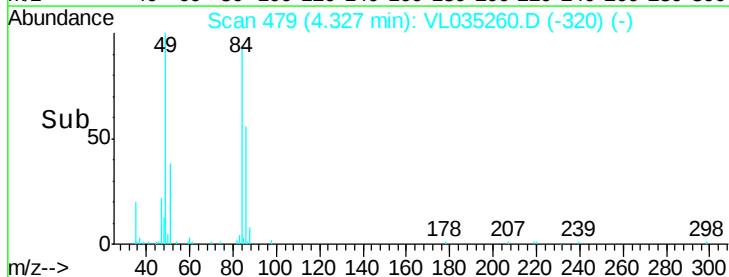
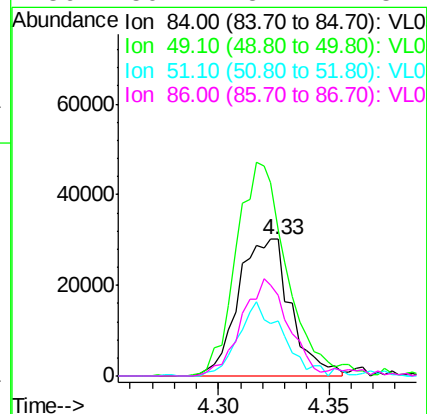
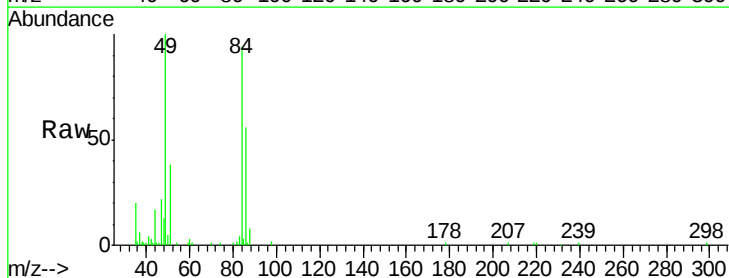
Ion Ratio Lower Upper

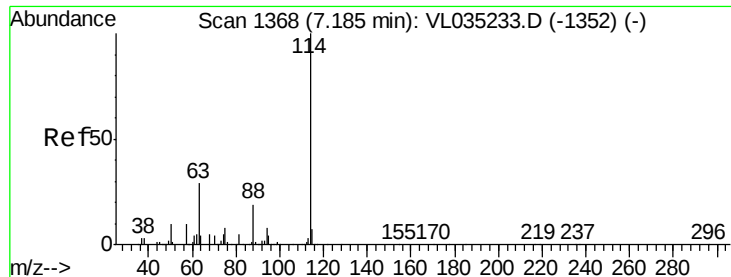
84 100

49 105.4 121.0 181.4#

51 40.3 37.7 56.5

86 59.1 52.2 78.4

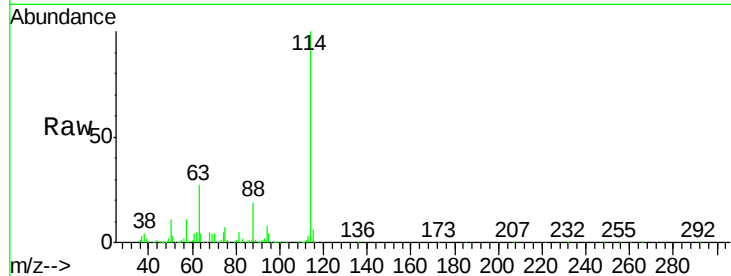




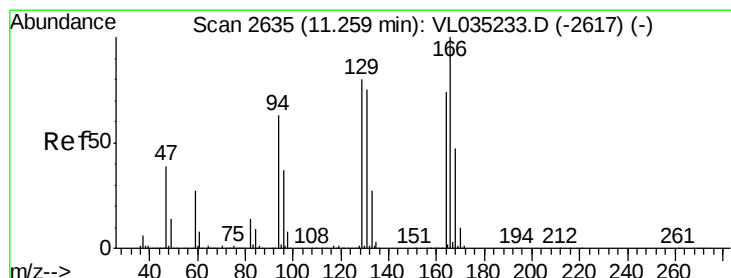
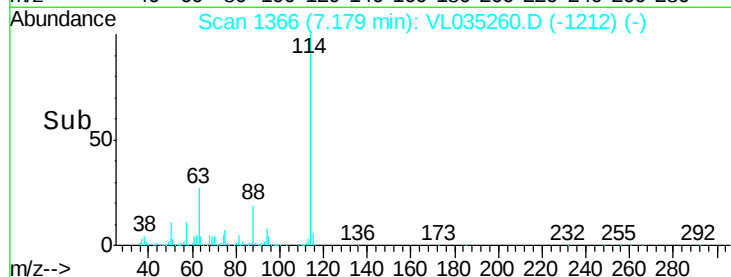
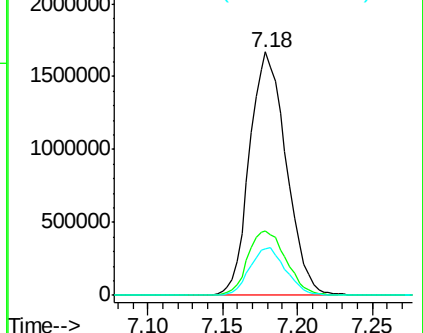
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL035260.D
 Acq: 30 Jul 2020 00:11

Instrument :
 MSVOA_L
 ClientSampleId :
 IA3DL

Tot Ion:114 Resp: 2847363
 Ion Ratio Lower Upper
 114 100
 63 27.7 22.2 33.2
 88 19.2 15.4 23.0

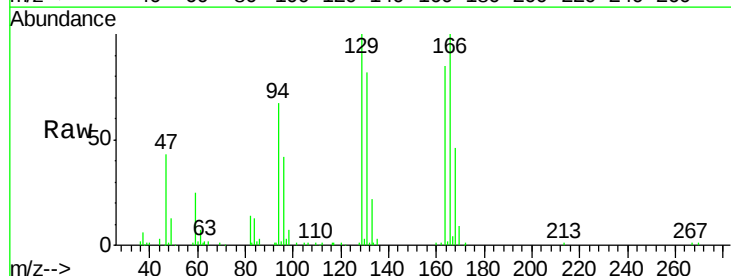


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

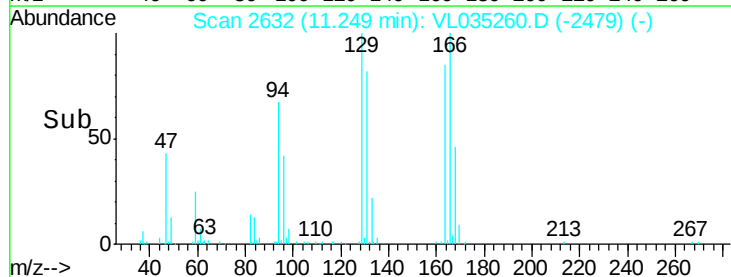
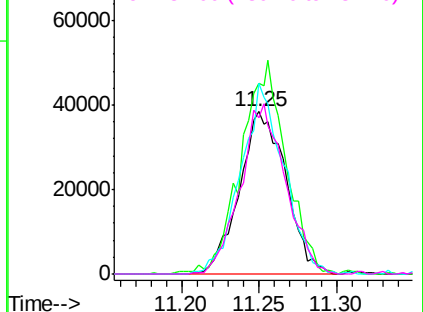


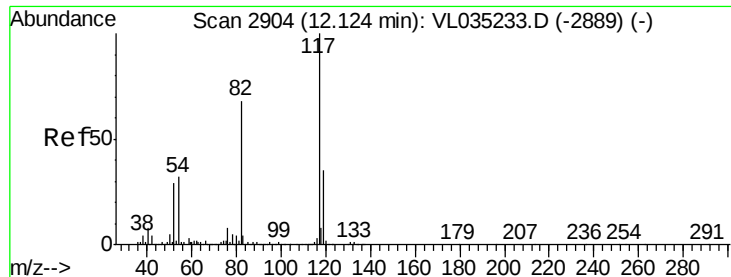
#52
 Tetrachloroethene
 Concen: 1.065 ppbv
 RT: 11.25 min Scan# 2632
 Delta R.T. -0.01 min
 Lab File: VL035260.D
 Acq: 30 Jul 2020 00:11

Tgt Ion:164 Resp: 80445
 Ion Ratio Lower Upper
 164 100
 166 117.5 107.5 161.3
 129 117.3 86.0 129.0
 131 96.1 80.3 120.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 165.90 (165.60 to 166.60): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 131.00 (130.70 to 131.70): V

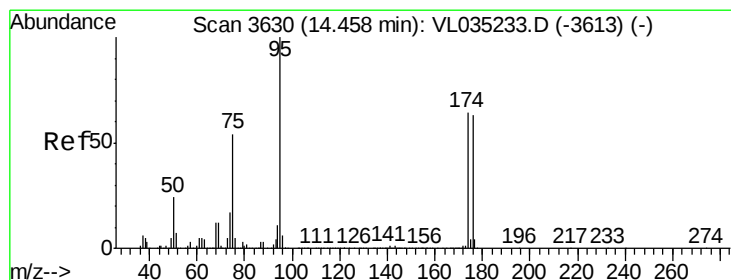
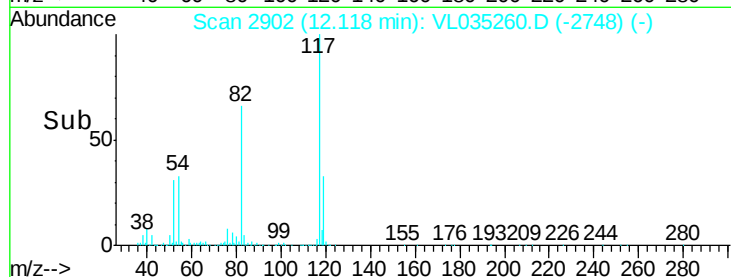
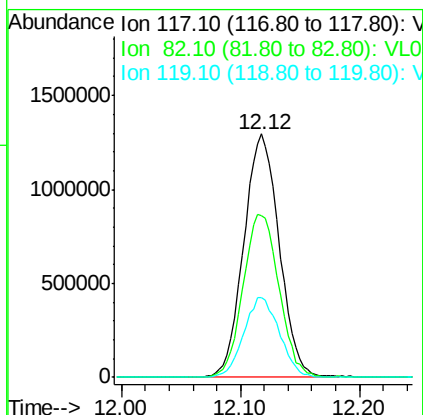
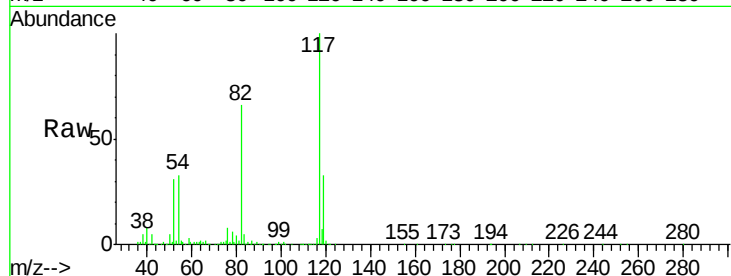




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

Instrument :
MSVOA_L
ClientSampleId :
IA3DL

Tot Ion:117 Resp: 2670536
Ion Ratio Lower Upper
117 100
82 68.4 52.4 78.6
119 33.1 24.6 36.8



#68
1-Bromo-4-Fluorobenzene
Concen: 10.053 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. -0.01 min
Lab File: VL035260.D
Acq: 30 Jul 2020 00:11

Tgt Ion: 95 Resp: 2145324
Ion Ratio Lower Upper
95 100
174 65.0 52.7 79.1
175 4.7 3.9 5.9

