

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091720\
 Data File : VL035668.D
 Acq On : 17 Sep 2020 22:37
 Operator : SY/AP
 Sample : L3983-04DL2 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-12DL2

Quant Time: Sep 18 05:04:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1145038	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4427068	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4395456	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	3224343	10.33	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

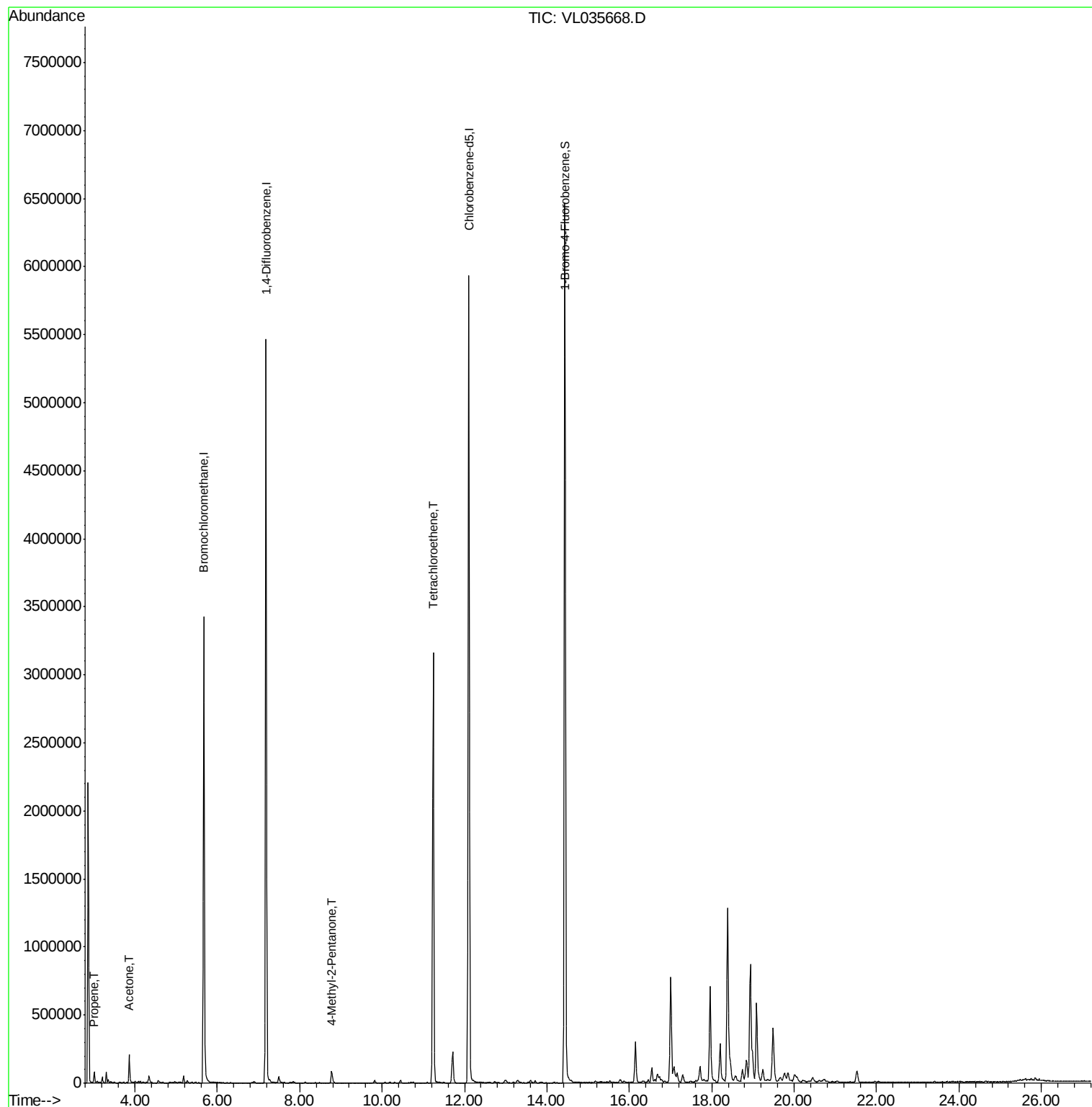
Target Compounds					Ovalue
9) Propene	3.01	41	33104	0.678	ppbv 92
15) Acetone	3.86	43	191468	1.516	ppbv 93
50) 4-Methyl-2-Pentanone	8.77	43	62563	0.329	ppbv 94
52) Tetrachloroethene	11.24	164	888258	5.306	ppbv 99

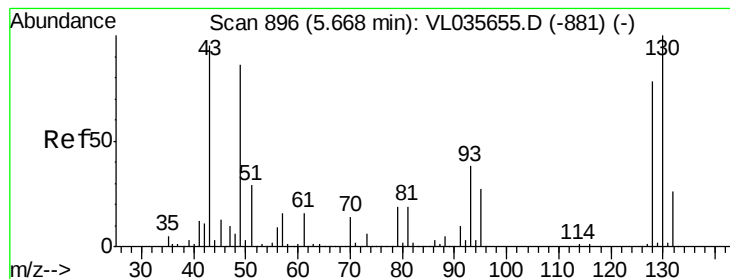
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035668.D

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Instrument :

MSVOA_L

ClientSampleId :

SV-12DL2

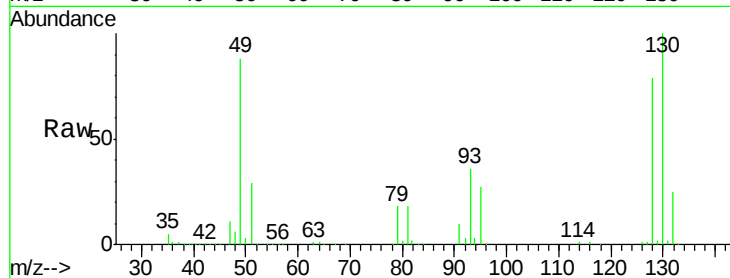
Tot Ion: 49 Resp: 1145038

Ion Ratio Lower Upper

49 100

128 88.7 50.0 150.1

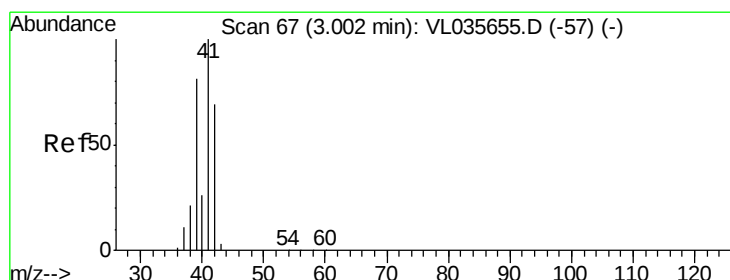
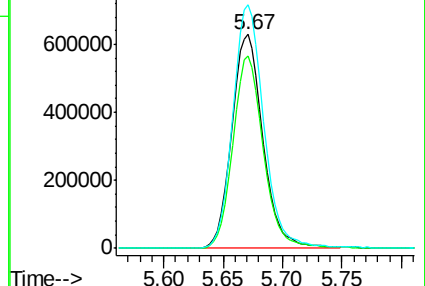
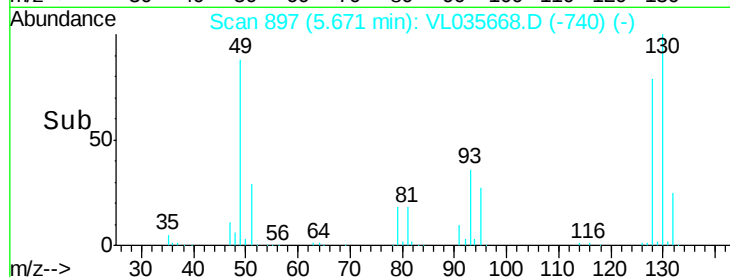
130 113.6 64.4 193.2



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: 0.678 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035668.D

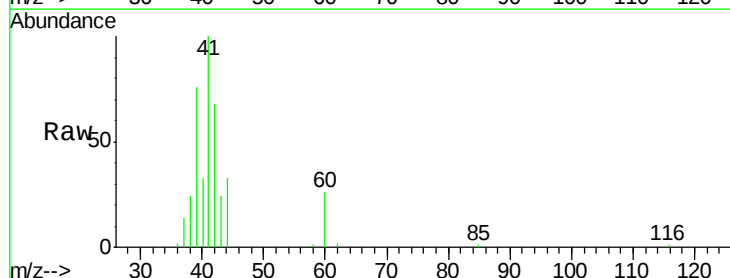
Acq: 17 Sep 2020 22:37

Tgt Ion: 41 Resp: 33104

Ion Ratio Lower Upper

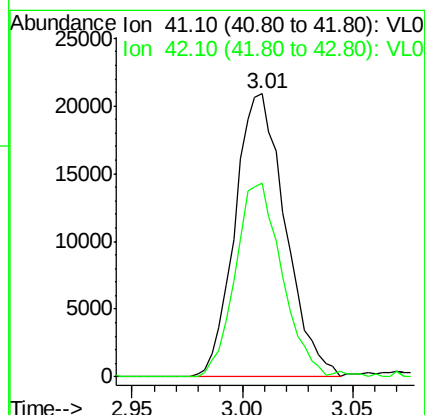
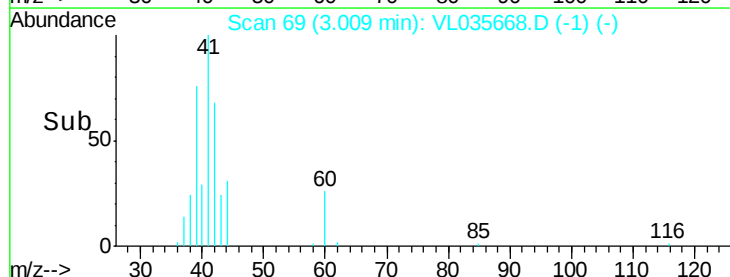
41 100

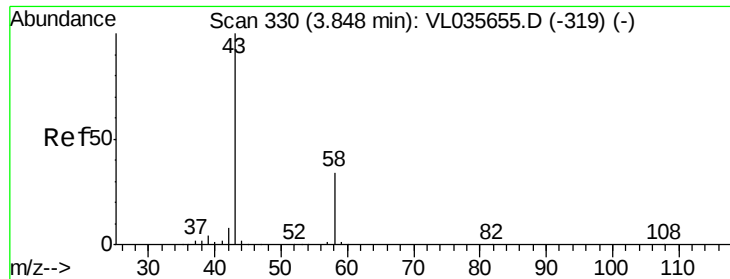
42 63.8 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 1.516 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL035668.D

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Instrument :

MSVOA_L

ClientSampleId :

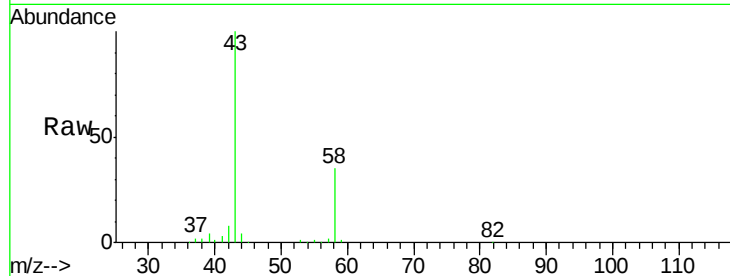
SV-12DL2

Tot Ion: 43 Resp: 191468

Ion Ratio Lower Upper

43 100

58 39.8 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

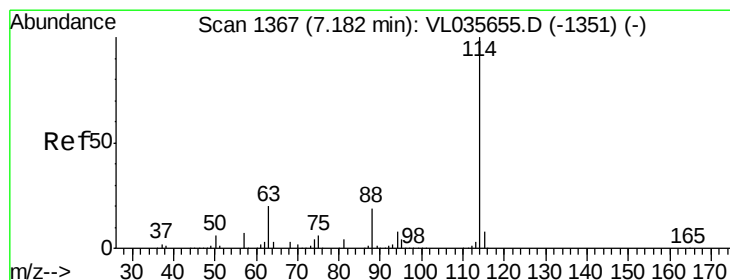
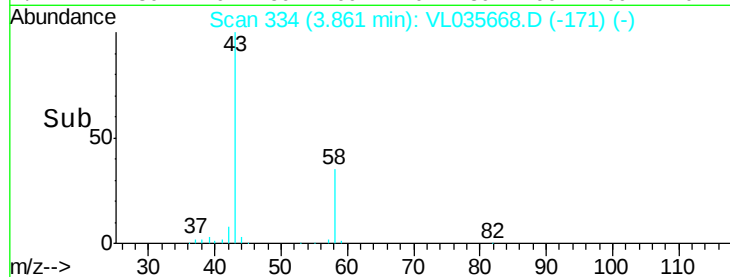
150000

100000

50000

0

Time--> 3.80 3.85 3.90



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL035668.D

Acq: 17 Sep 2020 22:37

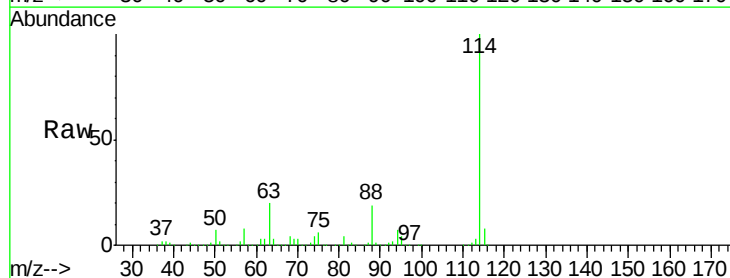
Tgt Ion: 114 Resp: 4427068

Ion Ratio Lower Upper

114 100

63 19.3 14.7 22.1

88 17.3 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

7.18

3000000

2500000

2000000

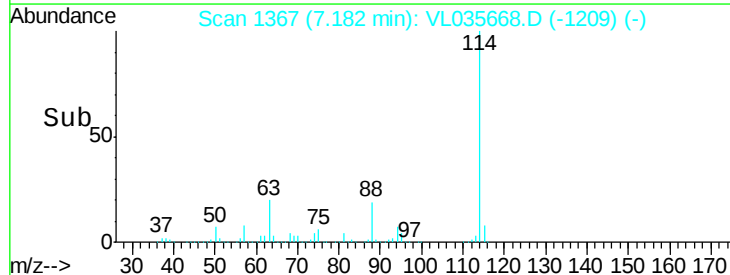
1500000

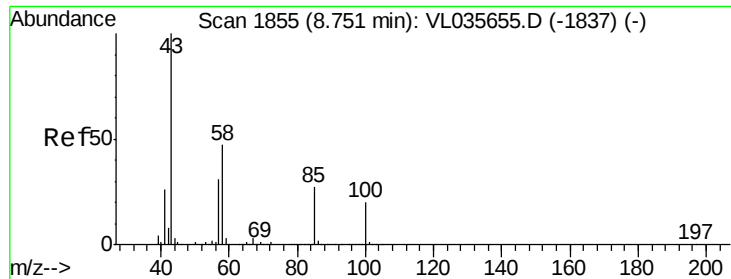
1000000

500000

0

Time--> 7.10 7.15 7.20 7.25

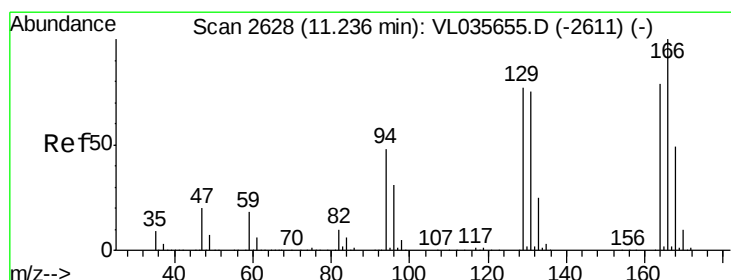
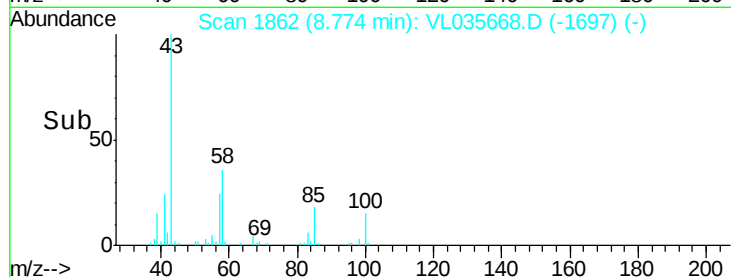
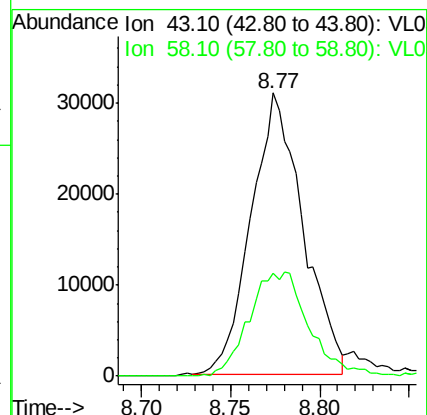
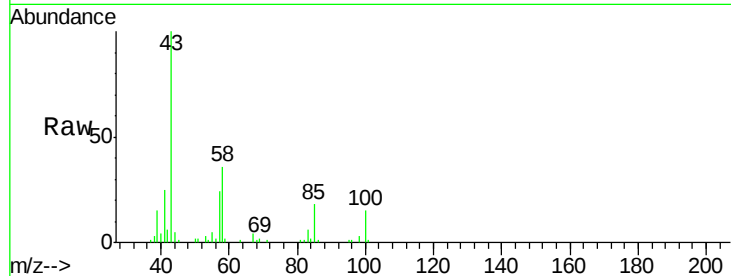




#50
4-Methyl-2-Pentanone
Concen: 0.329 ppbv
RT: 8.77 min Scan# 1862
Delta R.T. 0.03 min
Lab File: VL035668.D
Acq: 17 Sep 2020 22:37

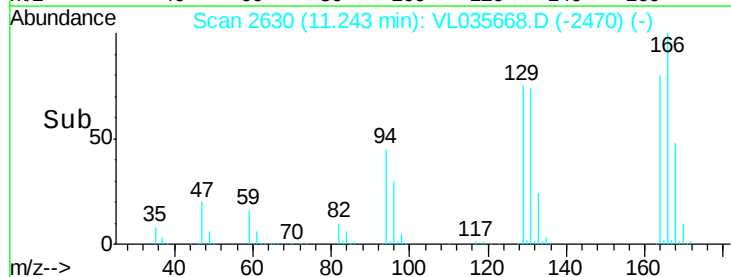
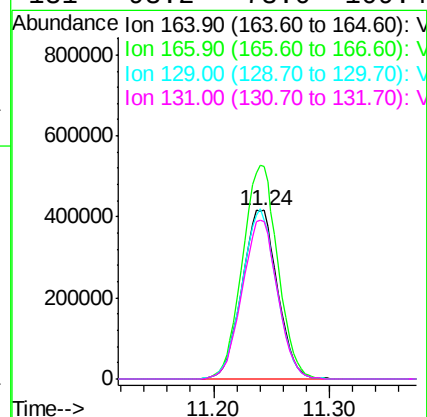
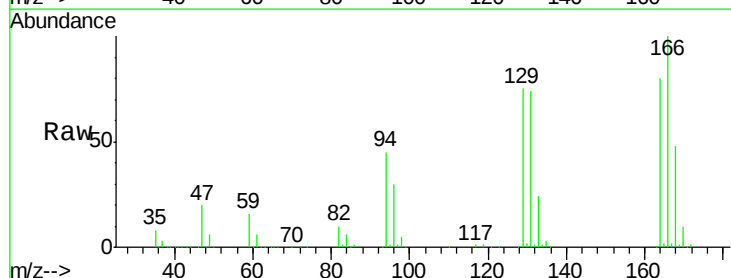
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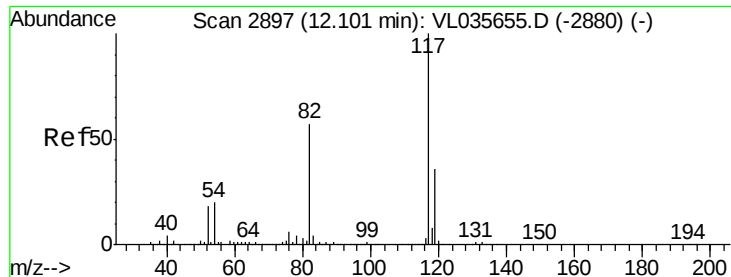
Tot Ion: 43 Resp: 62563
Ion Ratio Lower Upper
43 100
58 42.8 37.4 56.0



#52
Tetrachloroethene
Concen: 5.306 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.01 min
Lab File: VL035668.D
Acq: 17 Sep 2020 22:37

Tgt Ion: 164 Resp: 888258
Ion Ratio Lower Upper
164 100
166 125.6 100.9 151.3
129 93.8 75.3 112.9
131 93.2 73.0 109.4

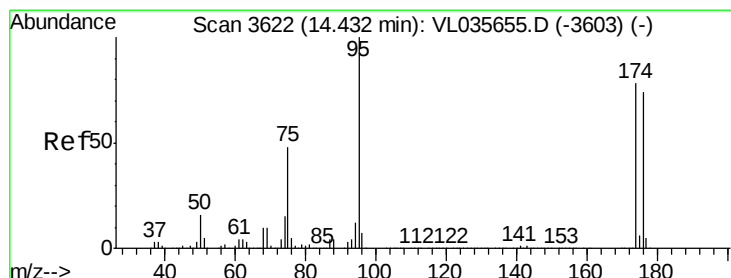
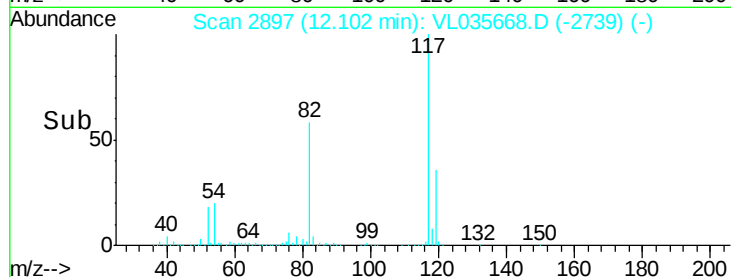
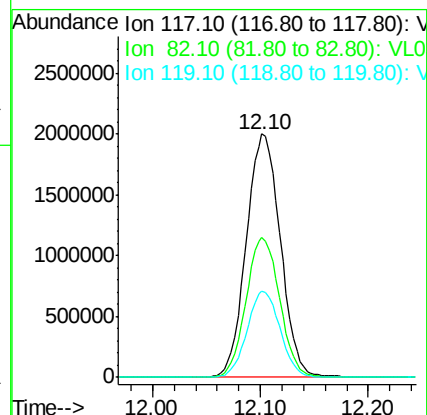
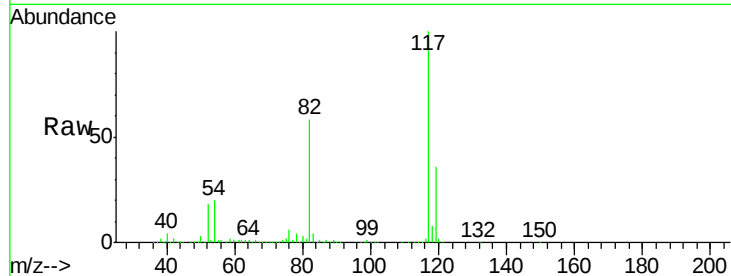




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.01 min
Lab File: VL035668.D
Acq: 17 Sep 2020 22:37

Instrument :
MSVOA_L
ClientSampleId :
SV-12DL2

Tot Ion:117 Resp: 4395456
Ion Ratio Lower Upper
117 100
82 57.1 41.6 62.4
119 34.6 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.330 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.01 min
Lab File: VL035668.D
Acq: 17 Sep 2020 22:37

Tgt Ion: 95 Resp: 3224343
Ion Ratio Lower Upper
95 100
174 78.4 69.6 104.4
175 5.7 5.1 7.7

