

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035057.D
 Acq On : 19 May 2020 23:34
 Operator : SY/AP
 Sample : L2683-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-SSDL

Quant Time: May 20 06:50:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1147965	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2601568	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2516891	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2118948	10.40	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

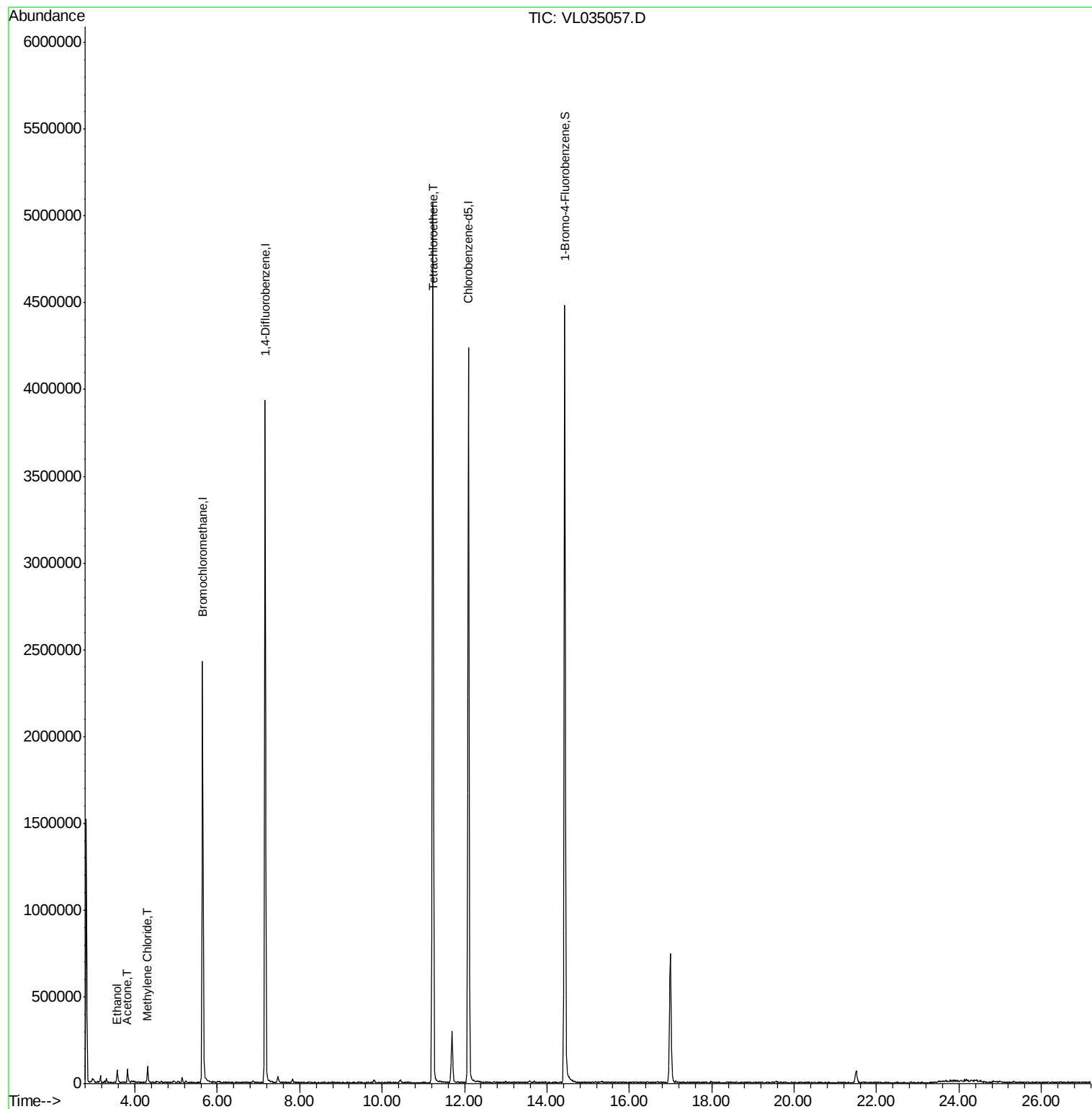
Target Compounds					Ovalue
13) Ethanol	3.57	45	73579	3.921	ppbv 99
15) Acetone	3.82	43	69007	0.455	ppbv # 84
20) Methylene Chloride	4.30	84	28648	0.570	ppbv 84
52) Tetrachloroethene	11.23	164	1209878	15.863	ppbv 97

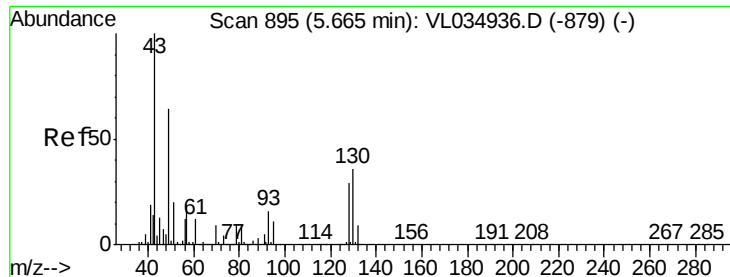
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035057.D

Acq: 19 May 2020 23:34

Instrument :

MSVOA_L

ClientSampleId :

DC-SSDL

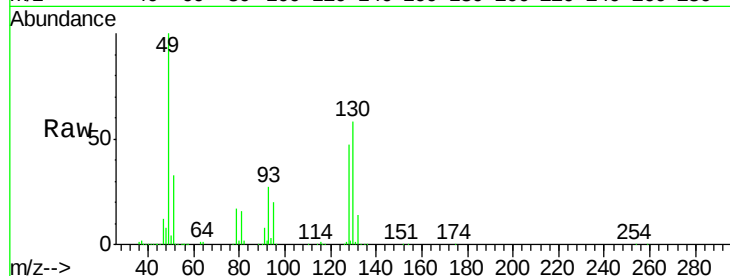
Tot Ion: 49 Resp: 1147965

Ion Ratio Lower Upper

49 100

128 45.9 22.1 66.5

130 58.0 29.1 87.3



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

5.64

800000

600000

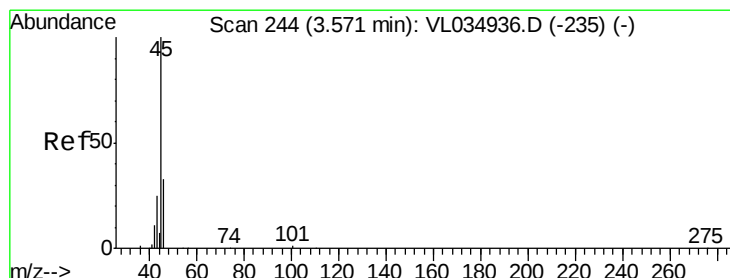
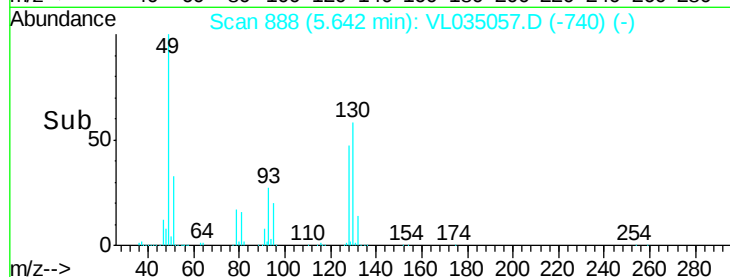
400000

200000

0

5.55 5.60 5.65 5.70

Time-->



#13

Ethanol

Concen: 3.921 ppbv

RT: 3.57 min Scan# 244

Delta R.T. -0.00 min

Lab File: VL035057.D

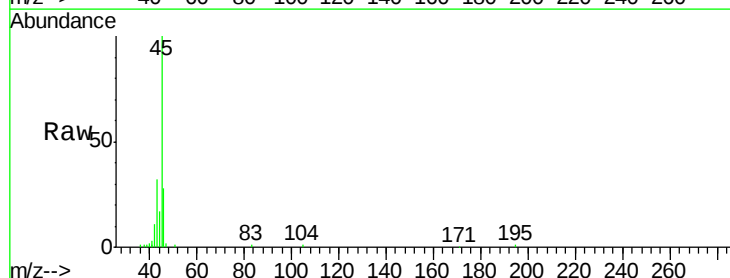
Acq: 19 May 2020 23:34

Tgt Ion: 45 Resp: 73579

Ion Ratio Lower Upper

45 100

46 36.6 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.57

40000

30000

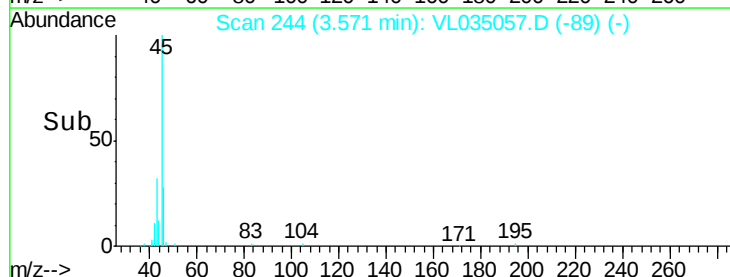
20000

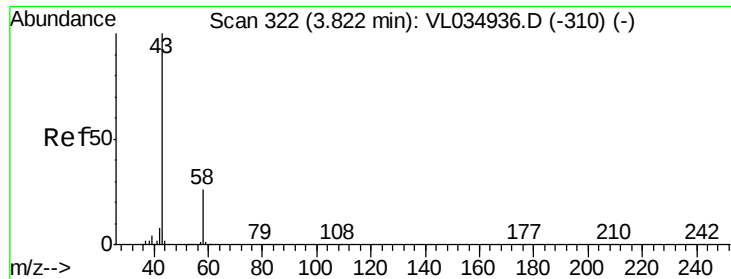
10000

0

3.55 3.60

Time-->





#15

Acetone

Concen: 0.455 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035057.D

Acq: 19 May 2020 23:34

Instrument :

MSVOA_L

ClientSampleId :

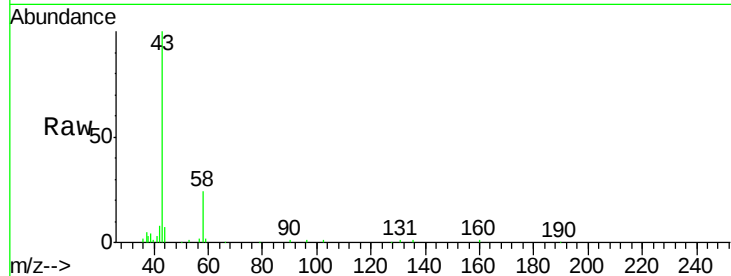
DC-SSDL

Tot Ion: 43 Resp: 69007

Ion Ratio Lower Upper

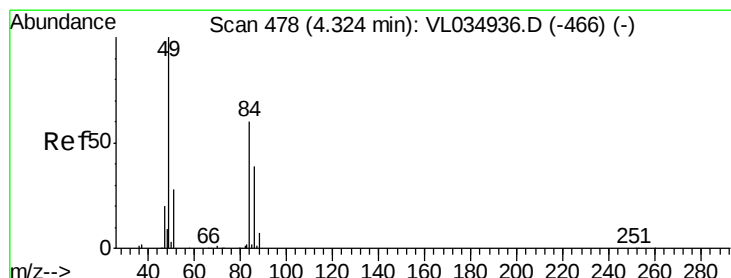
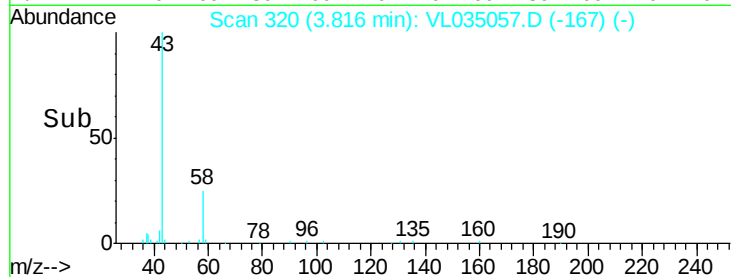
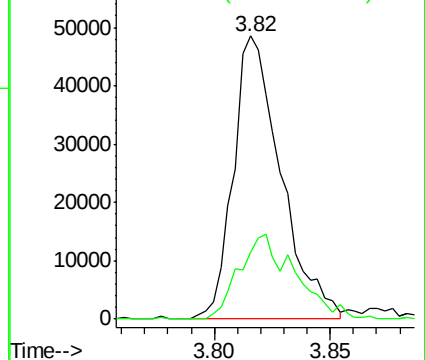
43 100

58 35.5 21.7 32.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.570 ppbv

RT: 4.30 min Scan# 472

Delta R.T. -0.02 min

Lab File: VL035057.D

Acq: 19 May 2020 23:34

Tgt Ion: 84 Resp: 28648

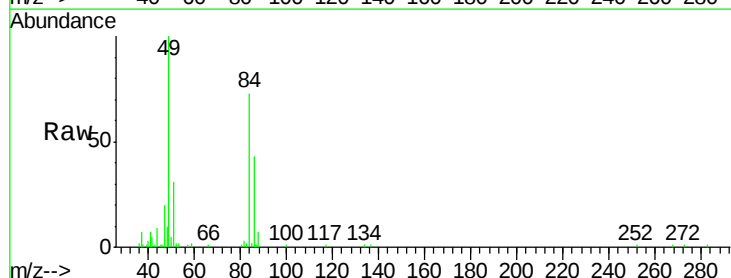
Ion Ratio Lower Upper

84 100

49 136.8 132.5 198.7

51 42.7 38.4 57.6

86 58.9 51.2 76.8

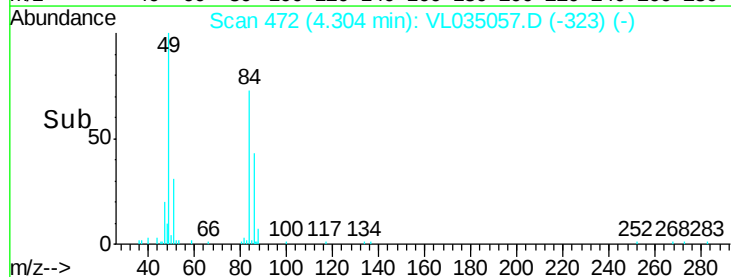
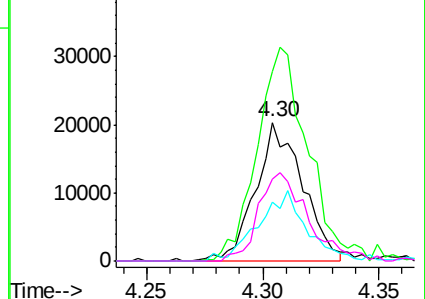


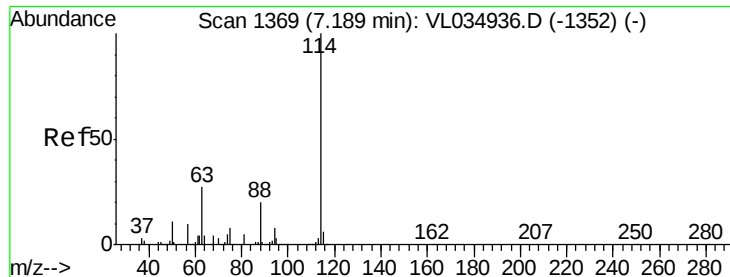
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

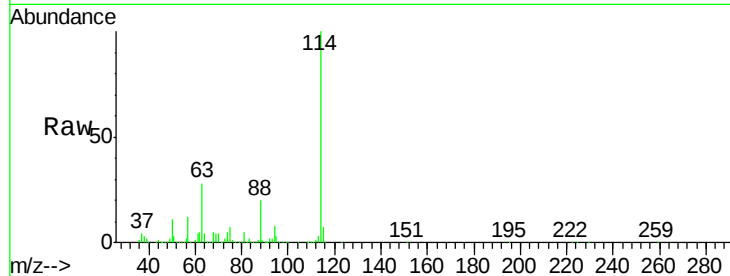




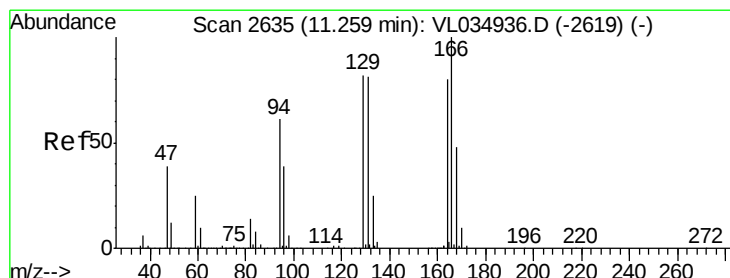
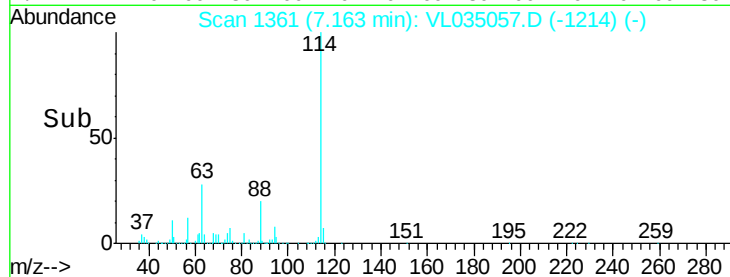
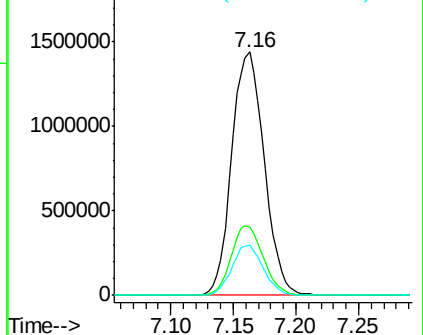
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.03 min
 Lab File: VL035057.D
 Acq: 19 May 2020 23:34

Instrument :
 MSVOA_L
 ClientSampleId :
 DC-SSDL

Tot Ion:114 Resp: 2601568
 Ion Ratio Lower Upper
 114 100
 63 28.3 22.2 33.4
 88 19.7 15.5 23.3

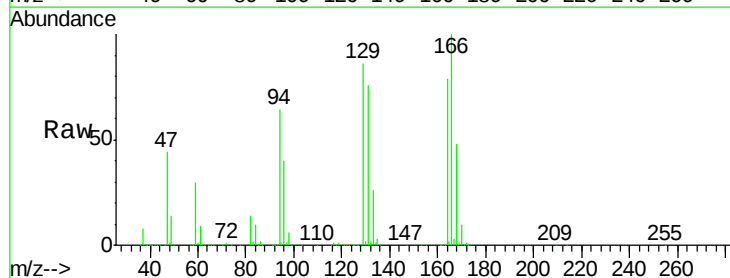


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

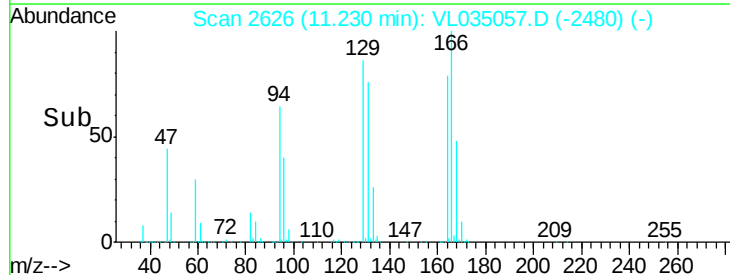
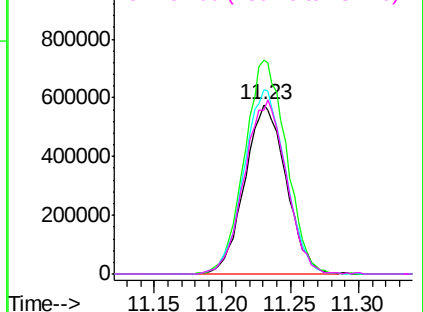


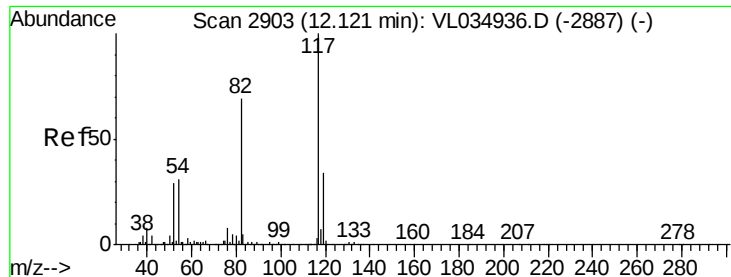
#52
 Tetrachloroethene
 Concen: 15.863 ppbv
 RT: 11.23 min Scan# 2626
 Delta R.T. -0.03 min
 Lab File: VL035057.D
 Acq: 19 May 2020 23:34

Tgt Ion:164 Resp: 1209878
 Ion Ratio Lower Upper
 164 100
 166 125.9 100.7 151.1
 129 108.7 83.0 124.4
 131 96.3 81.0 121.4



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

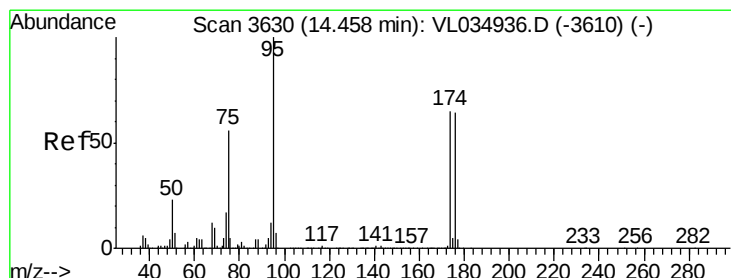
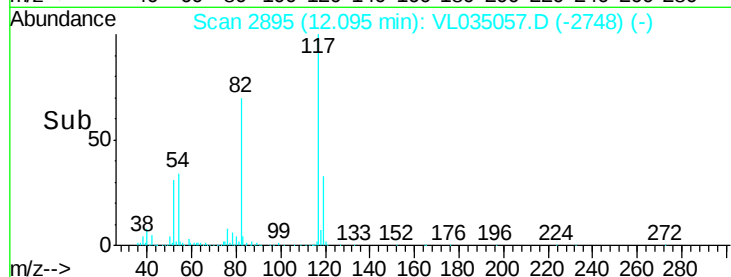
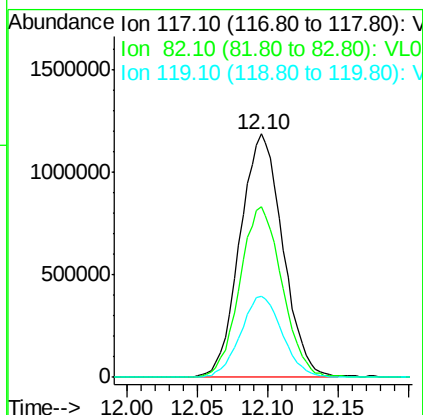
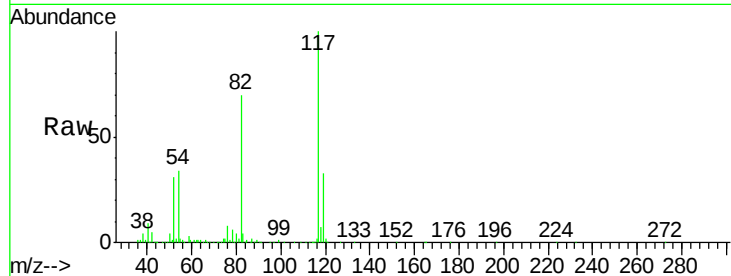




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035057.D
Acq: 19 May 2020 23:34

Instrument :
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DC-SSDL

Tot Ion:117 Resp: 2516891
Ion Ratio Lower Upper
117 100
82 69.9 53.1 79.7
119 32.8 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.401 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.03 min
Lab File: VL035057.D
Acq: 19 May 2020 23:34

Tgt Ion: 95 Resp: 2118948
Ion Ratio Lower Upper
95 100
174 63.7 51.5 77.3
175 4.7 3.8 5.8

