

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100318\
 Data File : VL032591.D
 Acq On : 3 Oct 2018 22:35
 Operator : SY/AP
 Sample : J5094-10DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PSS-1DL

Quant Time: Oct 04 18:43:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 01 06:49:26 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1018127	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2611968	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2857931	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2003114	9.29	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

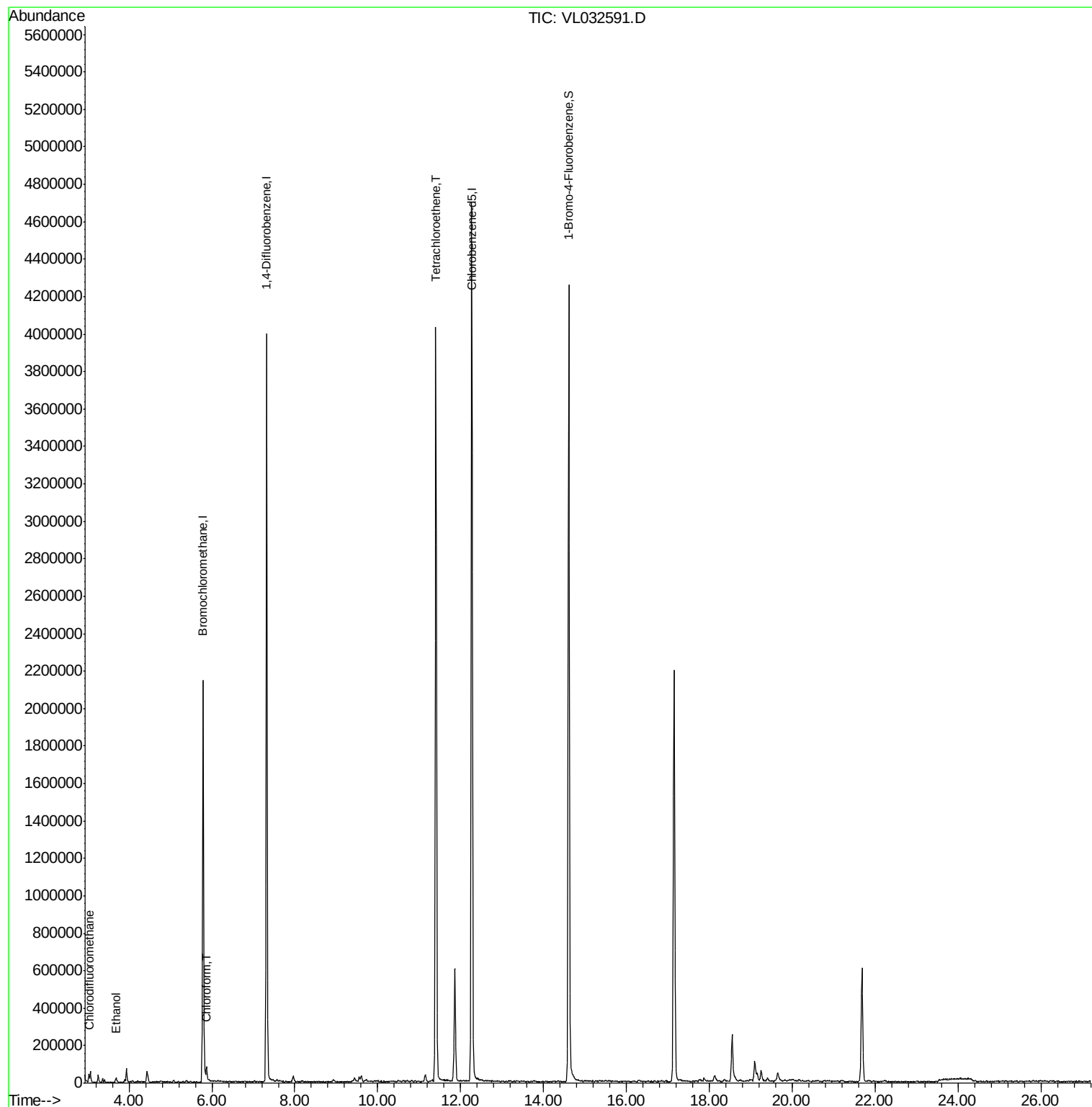
Target Compounds					Ovalue
3) Chlorodifluoromethane	3.03	51	36732	0.434	ppbv 98
13) Ethanol	3.69	45	21241	1.924	ppbv 87
29) Chloroform	5.87	83	42925	0.286	ppbv 98
52) Tetrachloroethene	11.41	164	913839	12.434	ppbv 99

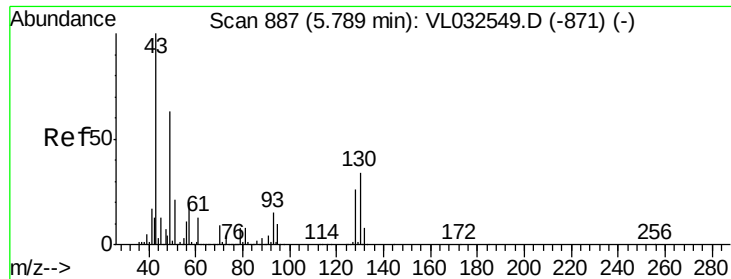
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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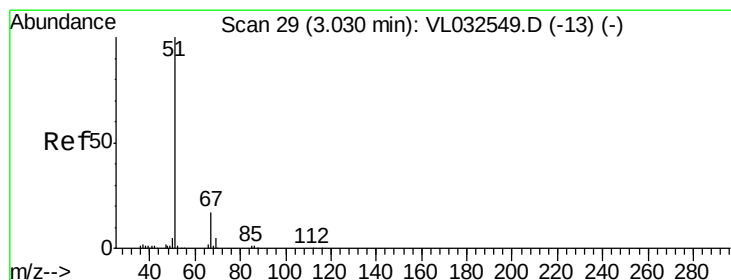
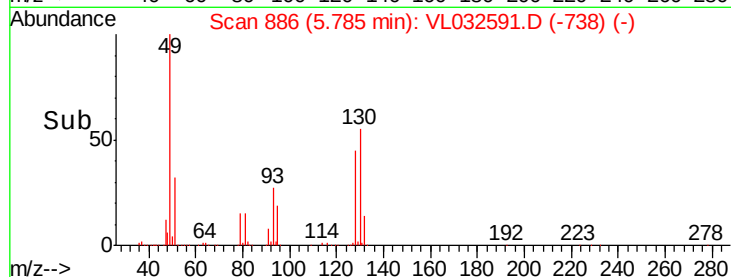
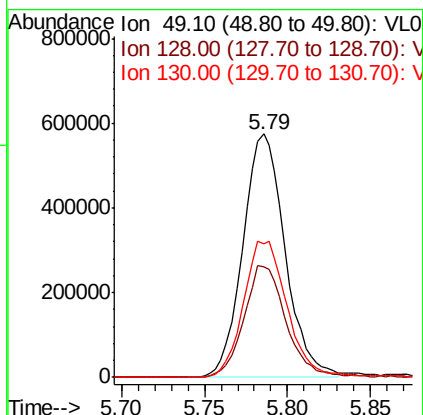
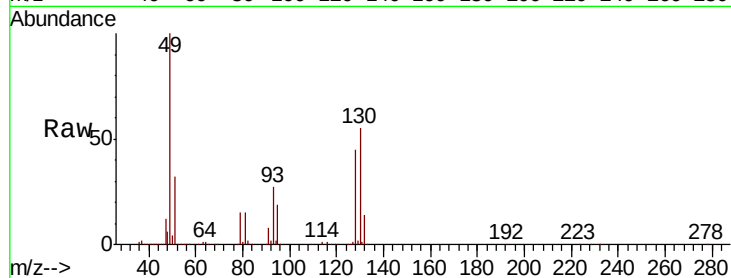




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.79 min Scan# 886
Delta R.T. -0.02 min
Lab File: VL032591.D
Acq: 3 Oct 2018 22:35

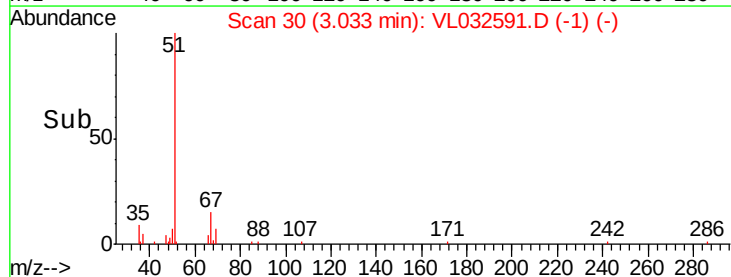
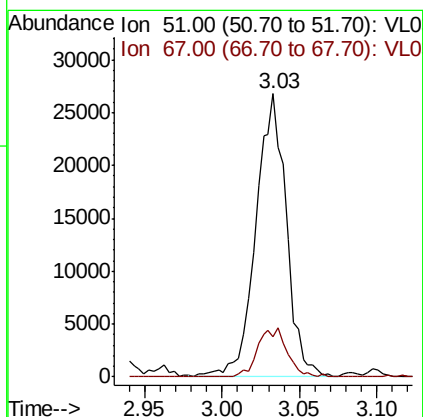
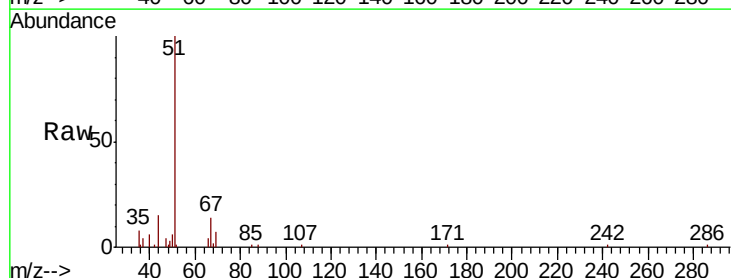
Instrument :
MSVOA_L
ClientSampleId :
PSS-1DL

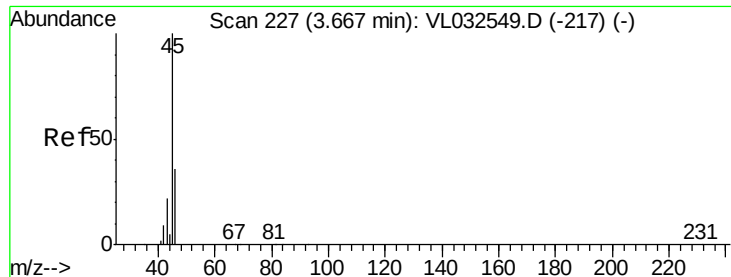
Tot Ion: 49 Resp: 1018127
Ion Ratio Lower Upper
49 100
128 46.5 20.7 62.1
130 59.3 26.6 79.7



#3
Chlorodifluoromethane
Concen: 0.434 ppbv
RT: 3.03 min Scan# 30
Delta R.T. -0.01 min
Lab File: VL032591.D
Acq: 3 Oct 2018 22:35

Tgt Ion: 51 Resp: 36732
Ion Ratio Lower Upper
51 100
67 16.6 13.8 20.8

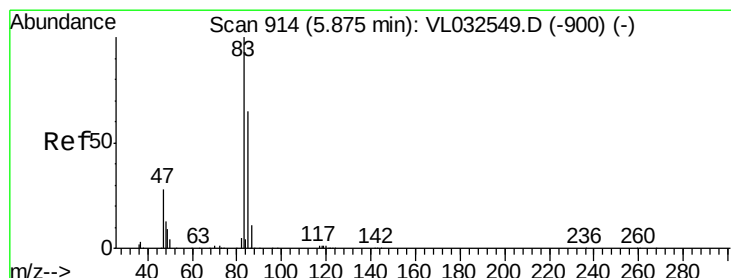
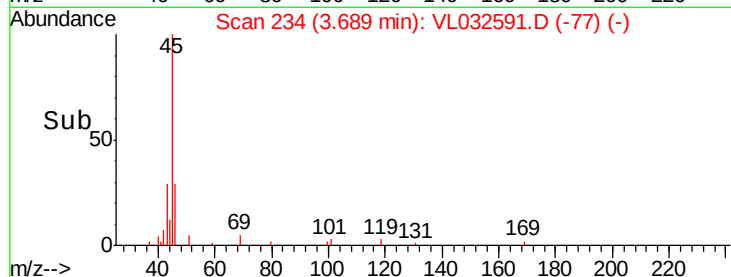
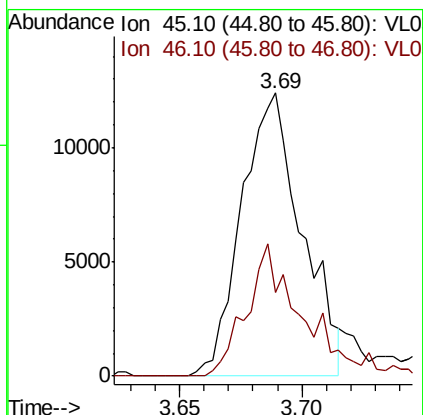
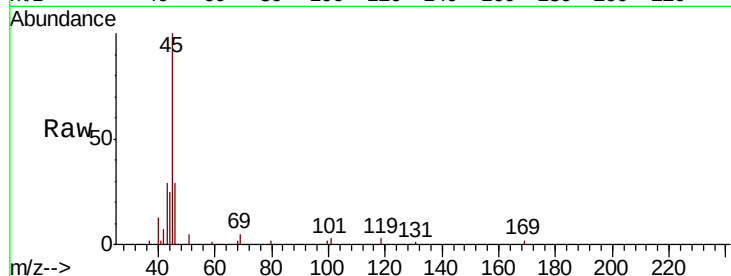




#13
Ethanol
Concen: 1.924 ppbv
RT: 3.69 min Scan# 234
Delta R.T. 0.00 min
Lab File: VL032591.D
Acq: 3 Oct 2018 22:35

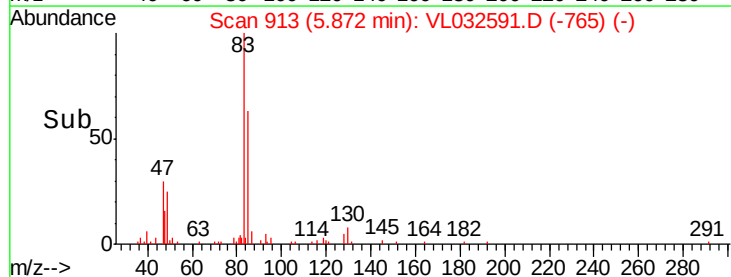
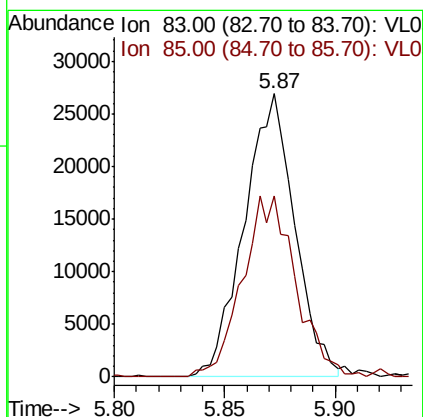
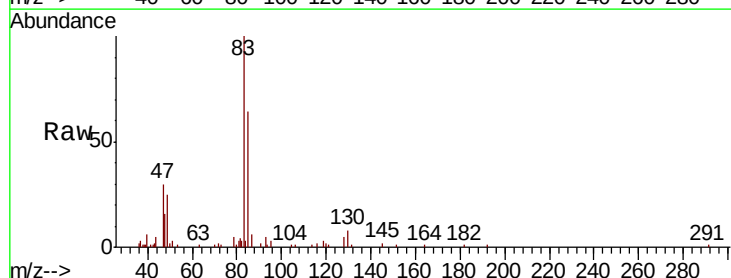
Instrument :
MSVOA_L
ClientSampled :
PSS-1DL

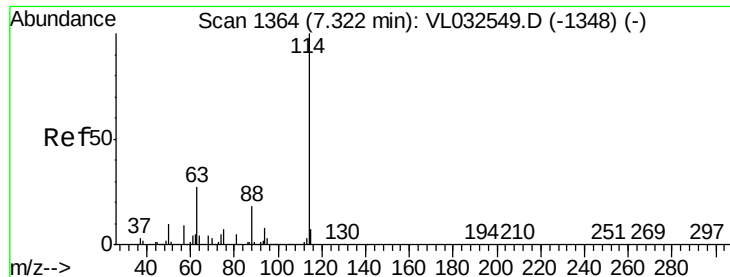
Tot Ion: 45 Resp: 21241
Ion Ratio Lower Upper
45 100
46 43.0 14.2 56.8



#29
Chloroform
Concen: 0.286 ppbv
RT: 5.87 min Scan# 913
Delta R.T. -0.02 min
Lab File: VL032591.D
Acq: 3 Oct 2018 22:35

Tgt Ion: 83 Resp: 42925
Ion Ratio Lower Upper
83 100
85 64.0 52.5 78.7

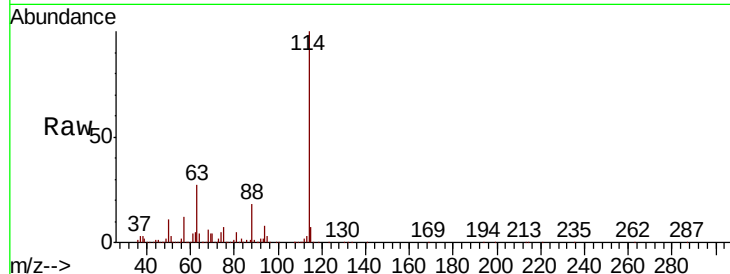




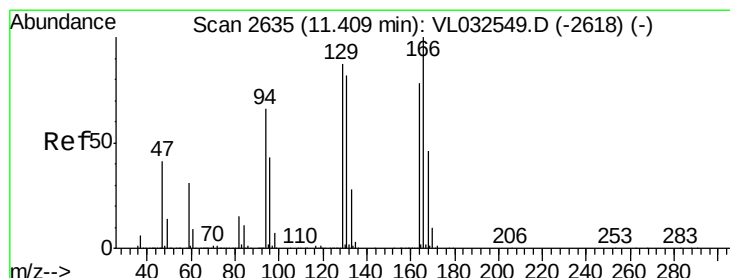
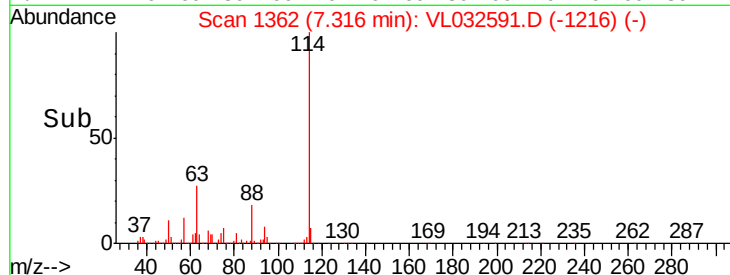
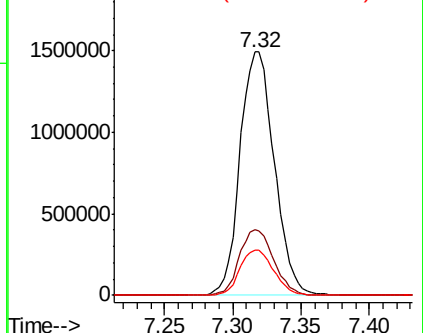
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1362
 Delta R.T. -0.03 min
 Lab File: VL032591.D
 Acq: 3 Oct 2018 22:35

Instrument :
 MSVOA_L
 ClientSampleId :
 PSS-1DL

Tot Ion:114 Resp: 2611968
 Ion Ratio Lower Upper
 114 100
 63 27.0 22.2 33.4
 88 18.6 15.0 22.4

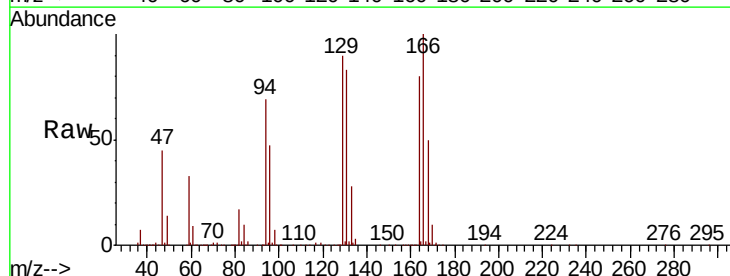


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

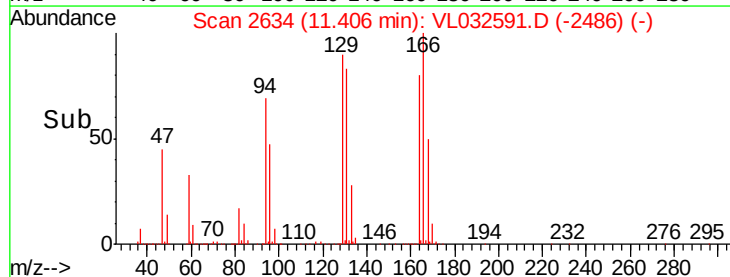
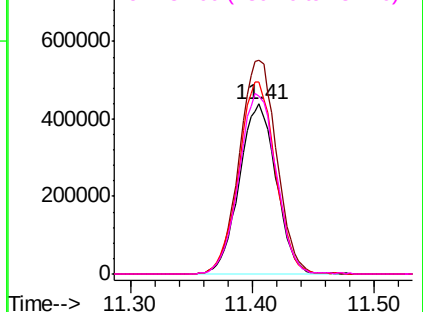


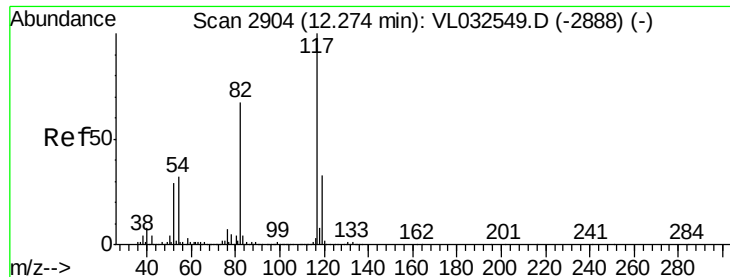
#52
 Tetrachloroethene
 Concen: 12.434 ppbv
 RT: 11.41 min Scan# 2634
 Delta R.T. -0.02 min
 Lab File: VL032591.D
 Acq: 3 Oct 2018 22:35

Tgt Ion:164 Resp: 913839
 Ion Ratio Lower Upper
 164 100
 166 125.7 100.6 150.8
 129 113.1 89.9 134.9
 131 104.6 85.9 128.9



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: 12.27 min Scan# 2902

Delta R.T. -0.03 min

Lab File: VL032591.D

Acq: 3 Oct 2018 22:35

Instrument :

MSVOA_L

ClientSampleId :

PSS-1DL

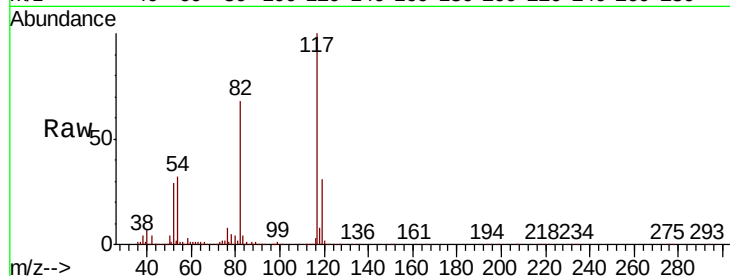
Tot Ion:117 Resp: 2857931

Ion Ratio Lower Upper

117 100

82 67.2 53.0 79.6

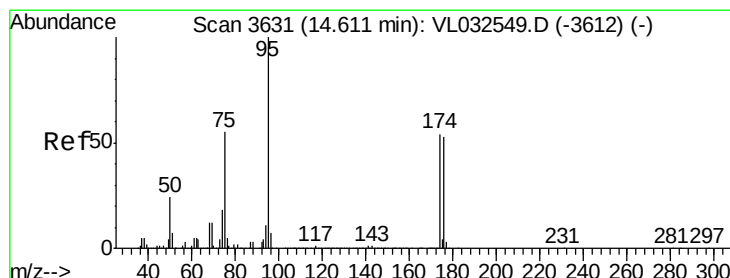
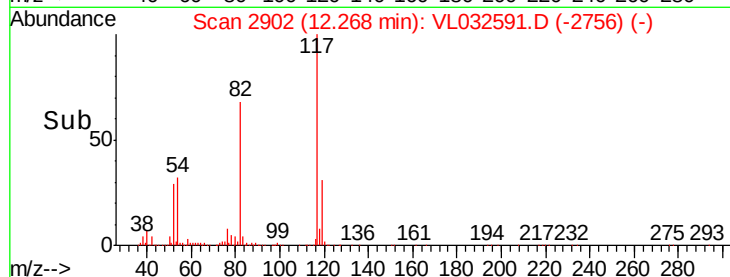
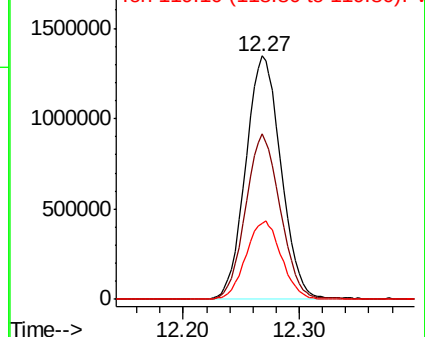
119 32.4 45.9 68.9#



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: 9.294 ppbv

RT: 14.61 min Scan# 3629

Delta R.T. -0.03 min

Lab File: VL032591.D

Acq: 3 Oct 2018 22:35

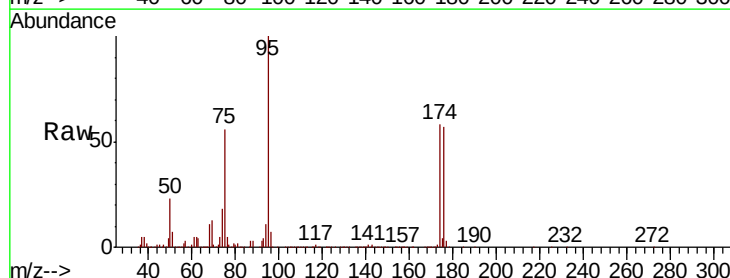
Tgt Ion: 95 Resp: 2003114

Ion Ratio Lower Upper

95 100

174 59.4 46.3 69.5

175 4.2 3.4 5.0



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

