

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034615.D
 Acq On : 7 Feb 2020 10:13
 Operator : SY/AP
 Sample : L1435-06DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6DL

Quant Time: Feb 10 09:58:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.73	49	854117	10.00	ppbv	0.06
33) 1,4-Difluorobenzene	7.25	114	1821990	10.00	ppbv	0.07
55) Chlorobenzene-d5	12.19	117	1841170	10.00	ppbv	0.08

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1576424	10.13	ppbv	0.08
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

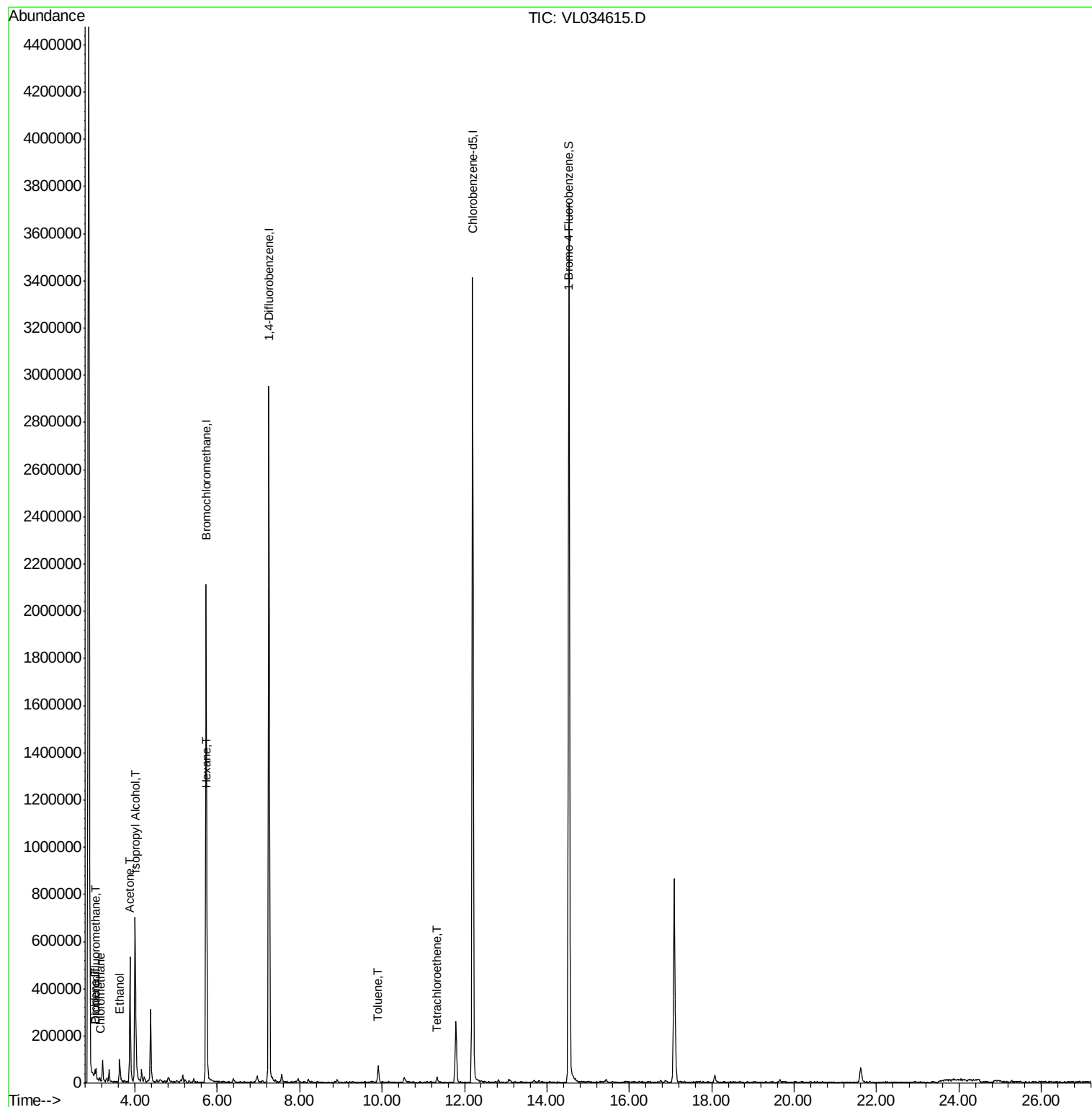
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	26643	0.142	ppbv	100
4) Chloromethane	3.16	50	7087m	0.112	ppbv	
9) Propene	3.03	41	9065m	0.226	ppbv	
13) Ethanol	3.63	45	83393	7.748	ppbv	97
15) Acetone	3.88	43	506354	4.034	ppbv	99
19) Isopropyl Alcohol	4.00	45	758918	10.360	ppbv #	97
26) Hexane	5.75	57	41430	0.487	ppbv #	39
52) Tetrachloroethene	11.33	164	4309m	0.066	ppbv	
53) Toluene	9.90	91	50242m	0.282	ppbv	

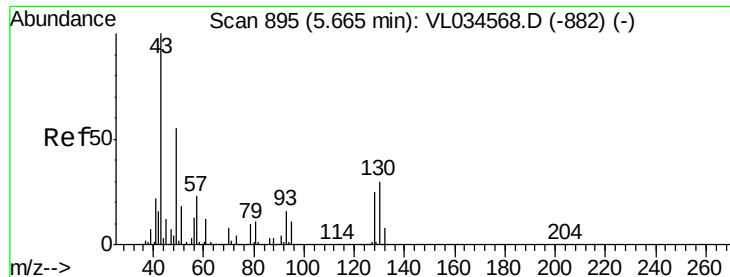
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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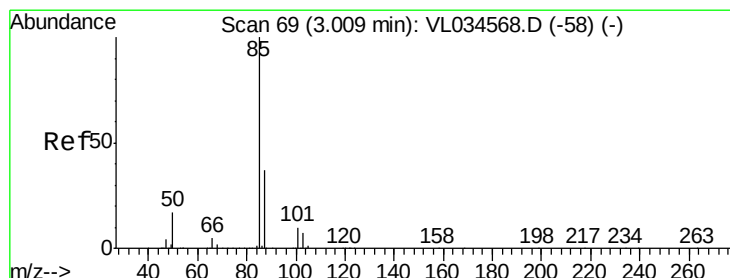
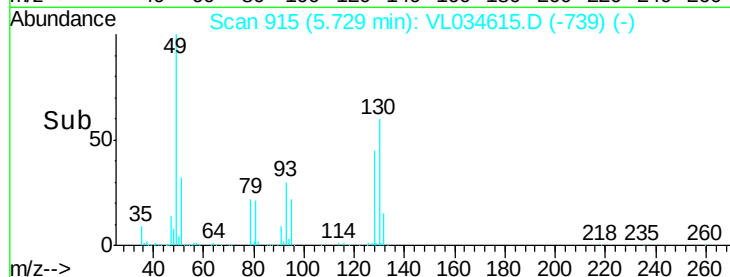
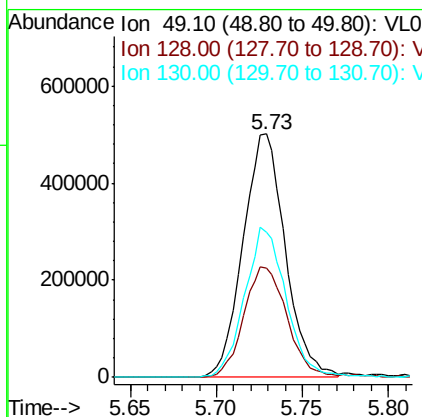
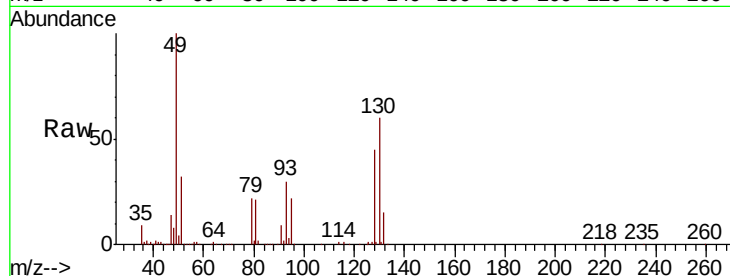




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.73 min Scan# 915
 Delta R.T. 0.06 min
 Lab File: VL034615.D
 Acq: 7 Feb 2020 10:13

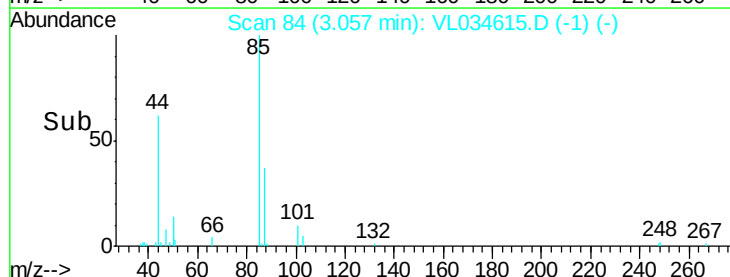
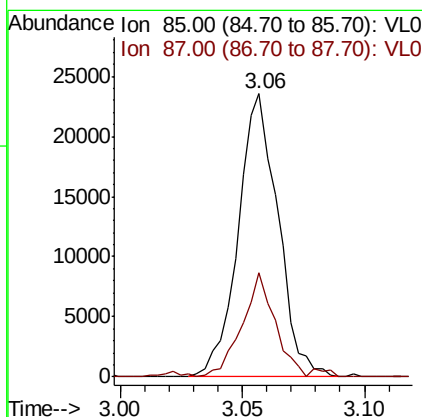
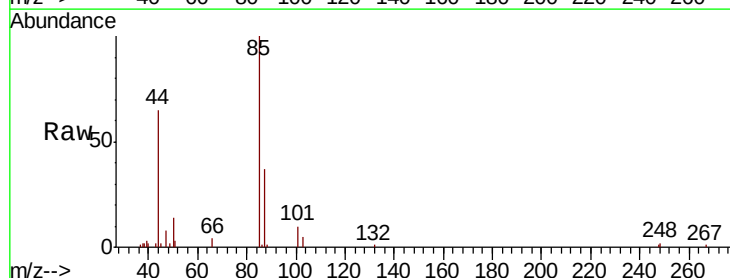
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6DL

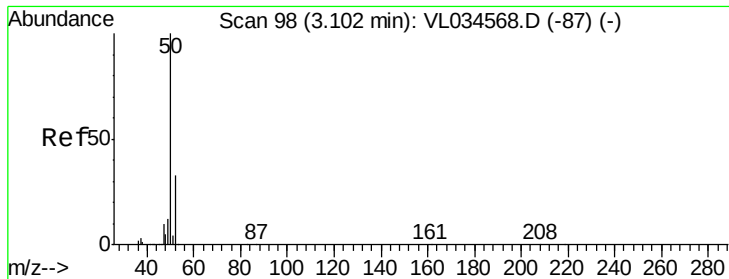
Tot Ion: 49 Resp: 854117
 Ion Ratio Lower Upper
 49 100
 128 46.8 22.7 68.1
 130 60.7 28.6 85.8



#2
 Dichlorodifluoromethane
 Concen: 0.142 ppbv
 RT: 3.06 min Scan# 84
 Delta R.T. 0.05 min
 Lab File: VL034615.D
 Acq: 7 Feb 2020 10:13

Tgt Ion: 85 Resp: 26643
 Ion Ratio Lower Upper
 85 100
 87 37.0 29.5 44.3





#4

Chloromethane

Concen: 0.112 ppbv m

RT: 3.16 min Scan# 115

Delta R.T. 0.05 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

Instrument :

MSVOA_L

ClientSampleId :

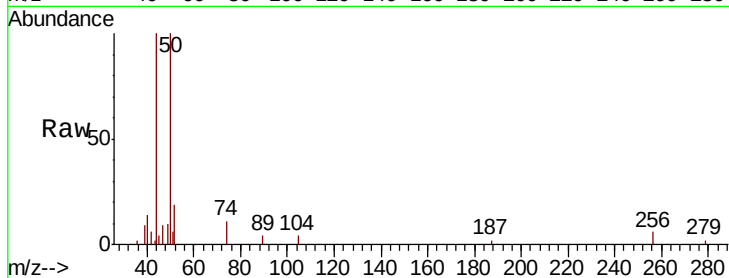
IA-6DL

Tot Ion: 50 Resp: 7087

Ion Ratio Lower Upper

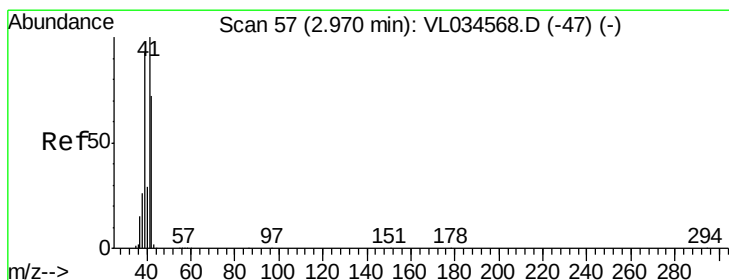
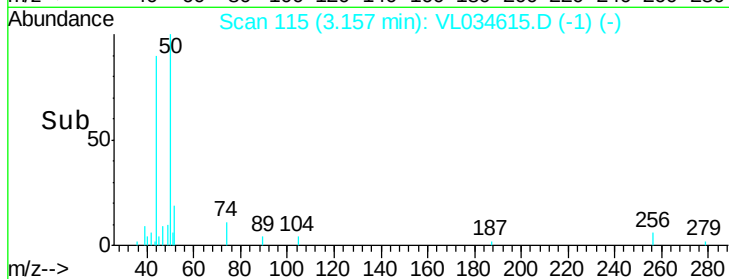
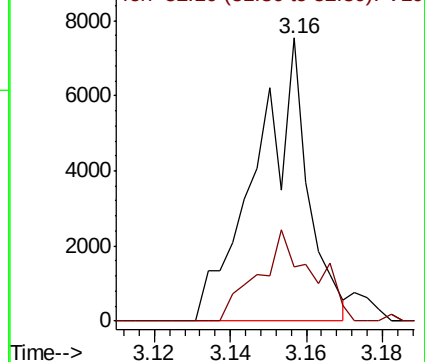
50 100

52 19.2 26.6 39.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.226 ppbv m

RT: 3.03 min Scan# 75

Delta R.T. 0.06 min

Lab File: VL034615.D

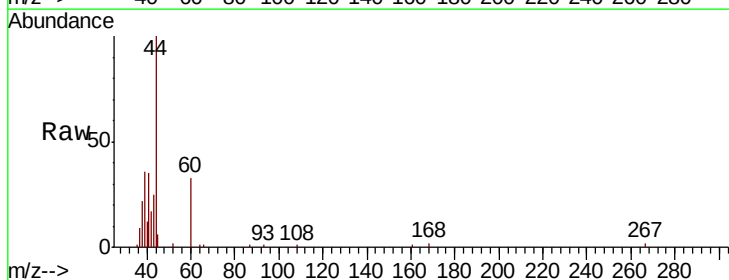
Acq: 7 Feb 2020 10:13

Tgt Ion: 41 Resp: 9065

Ion Ratio Lower Upper

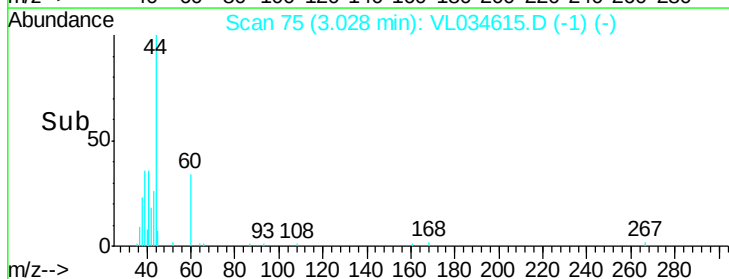
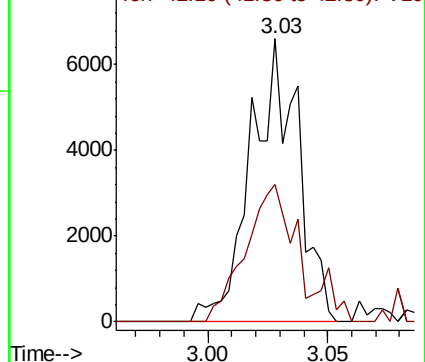
41 100

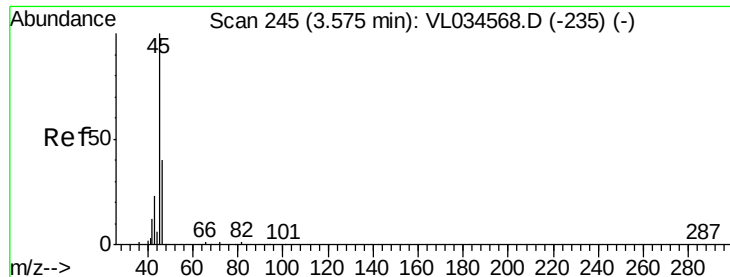
42 15.3 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 7.748 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.06 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

Instrument :

MSVOA_L

ClientSampleId :

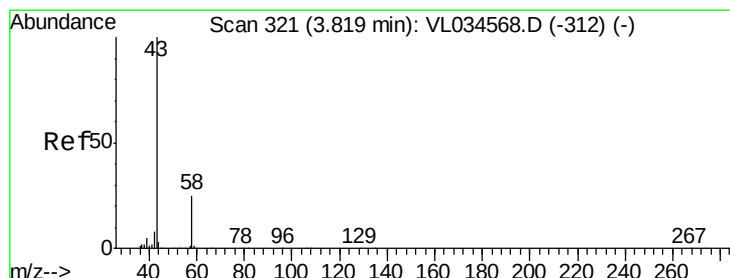
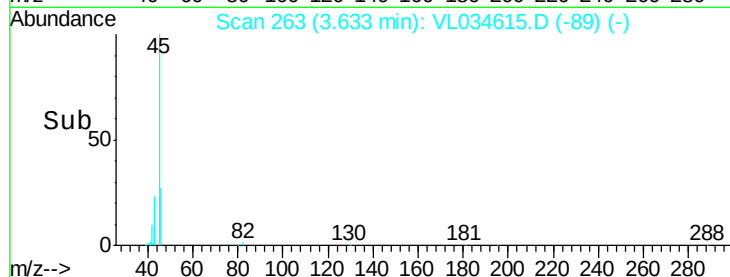
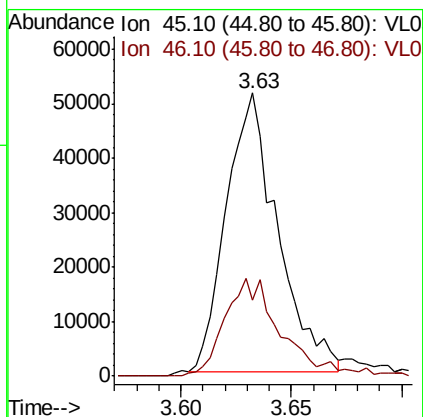
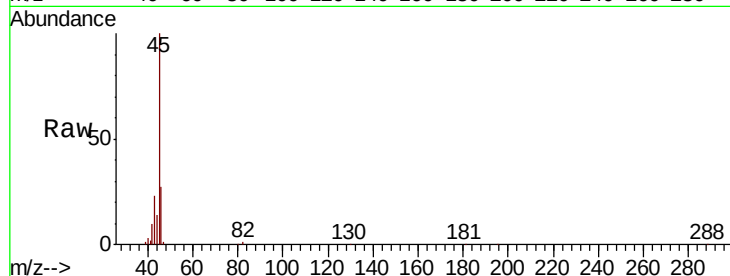
IA-6DL

Tot Ion: 45 Resp: 83393

Ion Ratio Lower Upper

45 100

46 38.8 14.8 59.2



#15

Acetone

Concen: 4.034 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.06 min

Lab File: VL034615.D

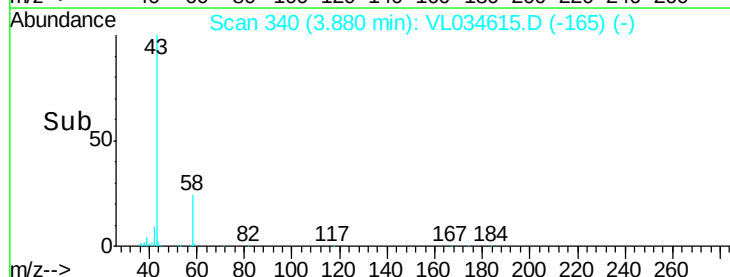
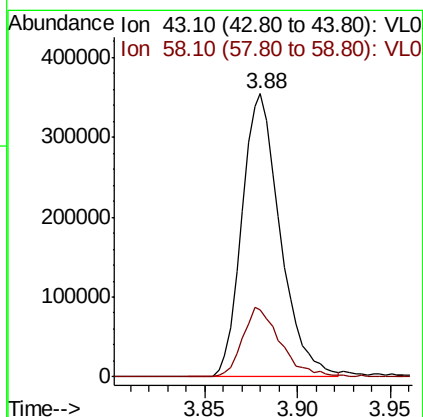
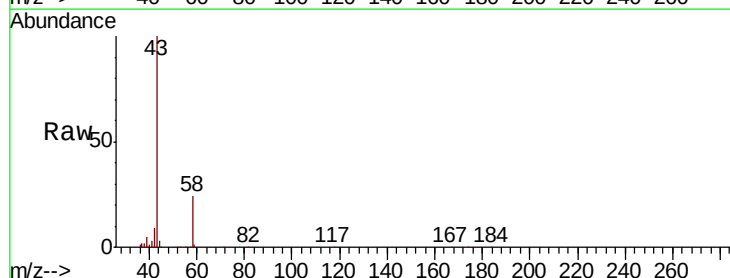
Acq: 7 Feb 2020 10:13

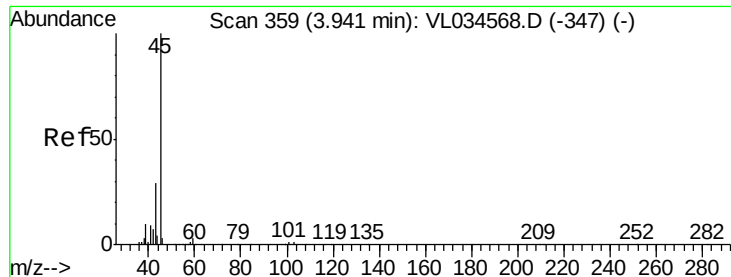
Tgt Ion: 43 Resp: 506354

Ion Ratio Lower Upper

43 100

58 24.8 20.3 30.5



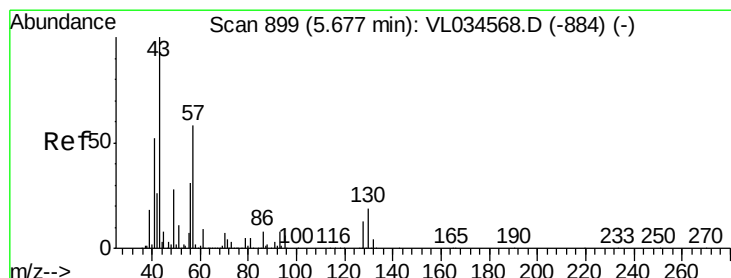
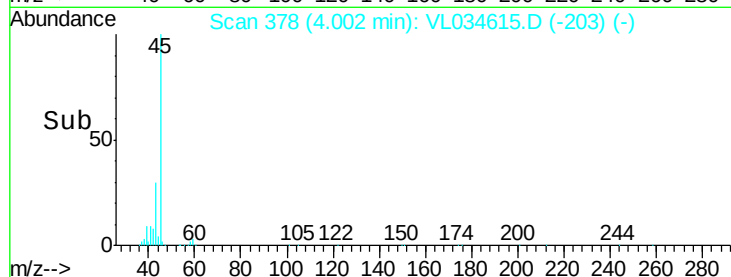
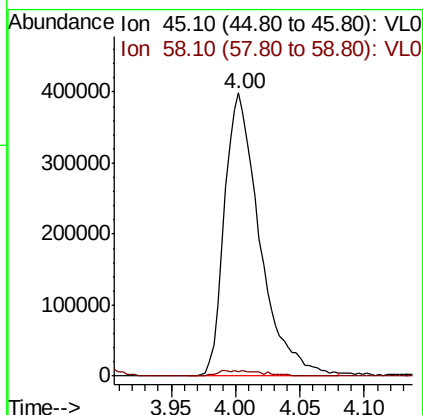
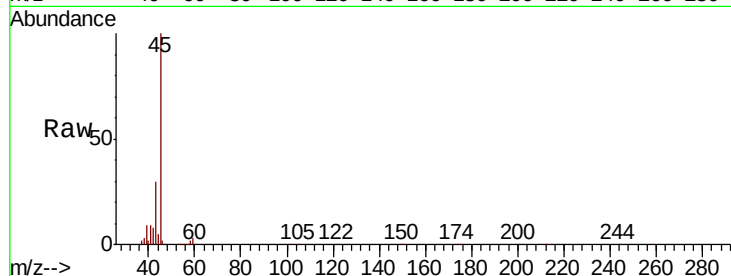


#19

Isopropyl Alcohol
 Concen: 10.360 ppbv
 RT: 4.00 min Scan# 378
 Delta R.T. 0.06 min
 Lab File: VL034615.D
 Acq: 7 Feb 2020 10:13

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6DL

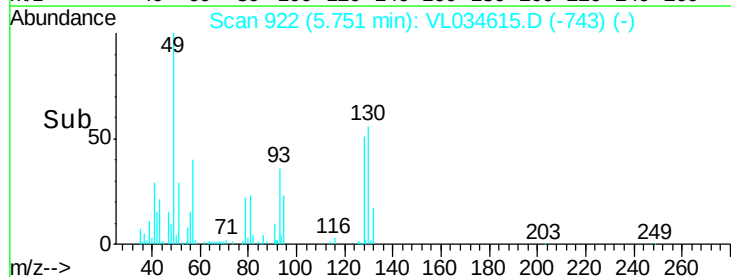
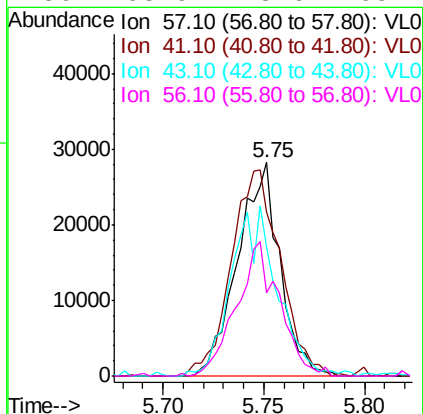
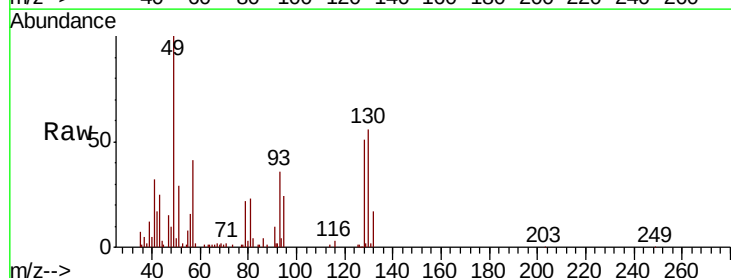
Tot Ion: 45 Resp: 758918
 Ion Ratio Lower Upper
 45 100
 58 3.0 1.7 2.5#

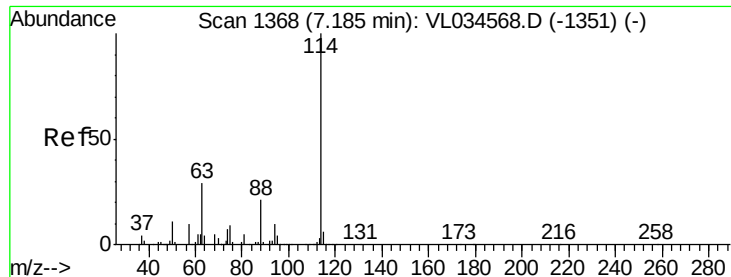


#26

Hexane
 Concen: 0.487 ppbv
 RT: 5.75 min Scan# 922
 Delta R.T. 0.07 min
 Lab File: VL034615.D
 Acq: 7 Feb 2020 10:13

Tgt Ion: 57 Resp: 41430
 Ion Ratio Lower Upper
 57 100
 41 113.0 76.2 114.2
 43 87.0 189.9 284.9#
 56 63.9 43.6 65.4

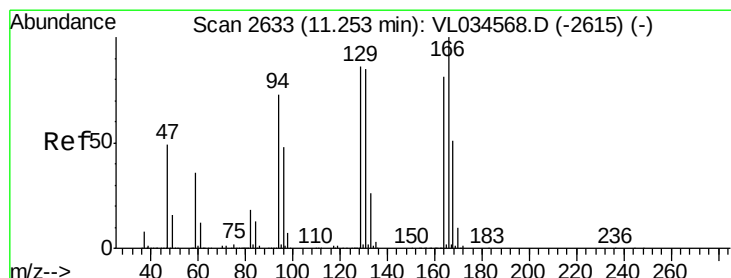
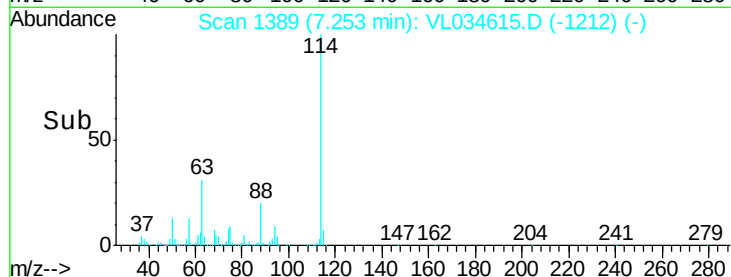
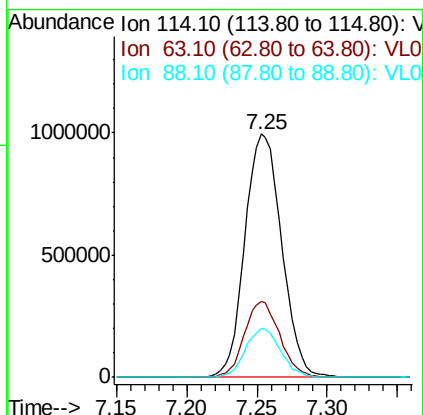
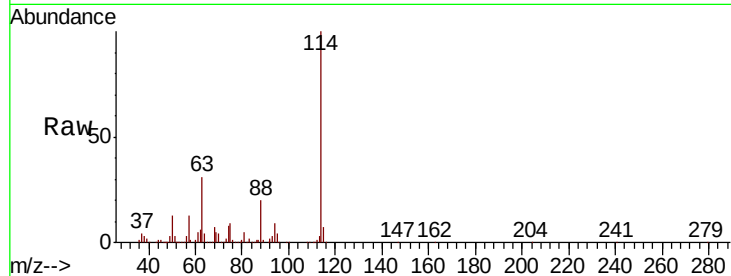




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.25 min Scan# 1389
 Delta R.T. 0.07 min
 Lab File: VL034615.D
 Acq: 7 Feb 2020 10:13

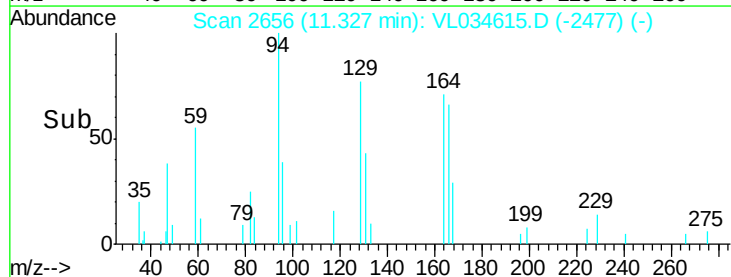
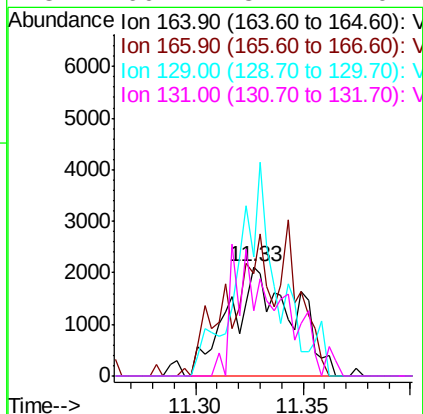
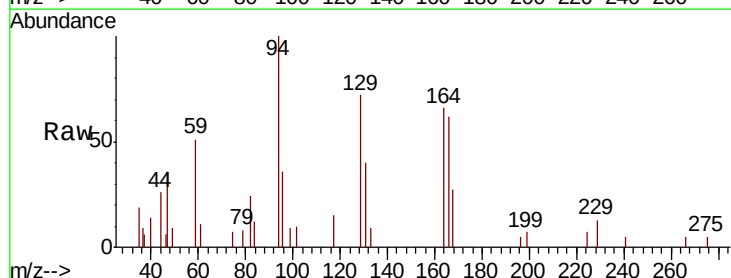
Instrument :
 MSVOA_L
 ClientSampled :
 IA-6DL

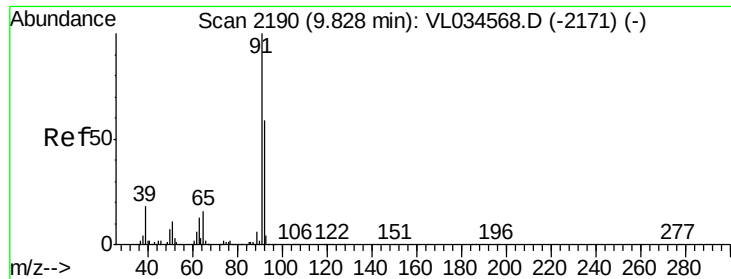
Tot Ion:114 Resp: 1821990
 Ion Ratio Lower Upper
 114 100
 63 30.3 24.1 36.1
 88 19.3 15.9 23.9



#52
 Tetrachloroethene
 Concen: 0.066 ppbv m
 RT: 11.33 min Scan# 2656
 Delta R.T. 0.07 min
 Lab File: VL034615.D
 Acq: 7 Feb 2020 10:13

Tgt Ion:164 Resp: 4309
 Ion Ratio Lower Upper
 164 100
 166 93.6 99.0 148.4#
 129 109.5 85.3 127.9
 131 60.4 84.2 126.2#





#53

Toluene

Concen: 0.282 ppbv m

RT: 9.90 min Scan# 2213

Delta R.T. 0.07 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

Instrument :

MSVOA_L

ClientSampleId :

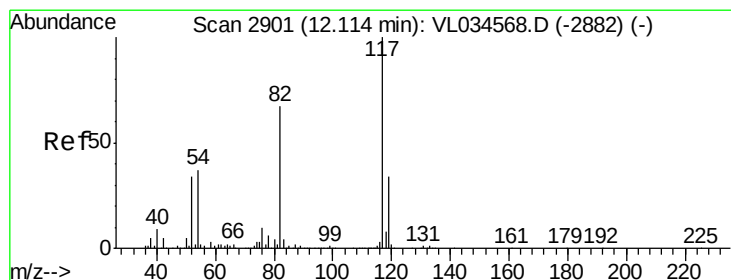
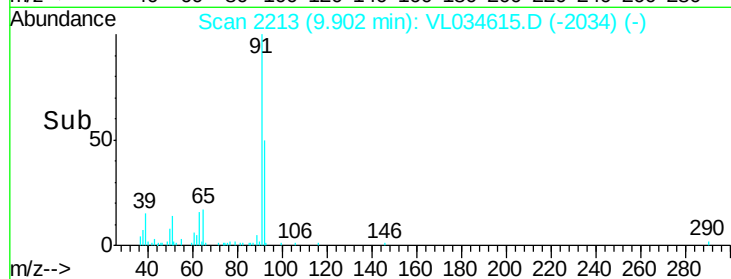
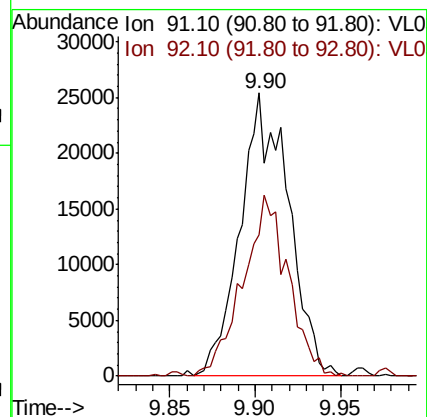
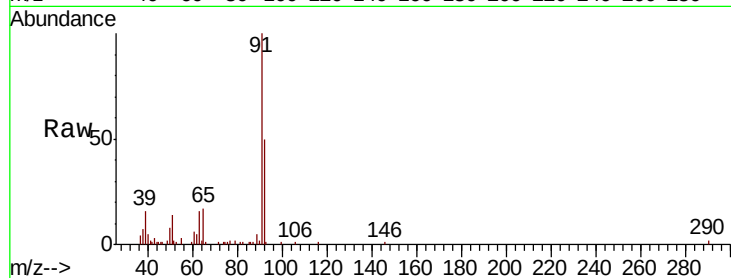
IA-6DL

Tot Ion: 91 Resp: 50242

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.19 min Scan# 2926

Delta R.T. 0.08 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

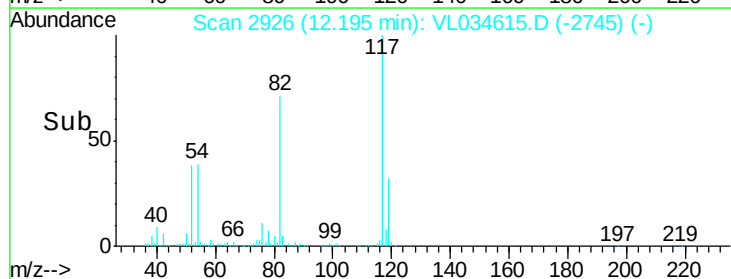
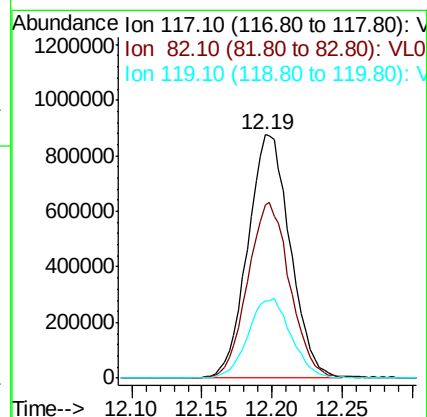
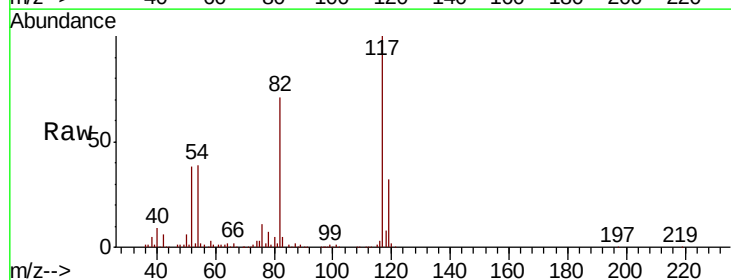
Tgt Ion: 117 Resp: 1841170

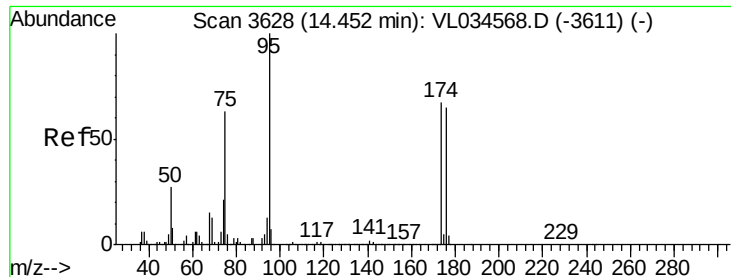
Ion Ratio Lower Upper

117 100

82 72.2 54.2 81.4

119 33.2 26.1 39.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.131 ppbv

RT: 14.54 min Scan# 3654

Delta R.T. 0.08 min

Lab File: VL034615.D

Acq: 7 Feb 2020 10:13

Instrument :

MSVOA_L

ClientSampleId :

IA-6DL

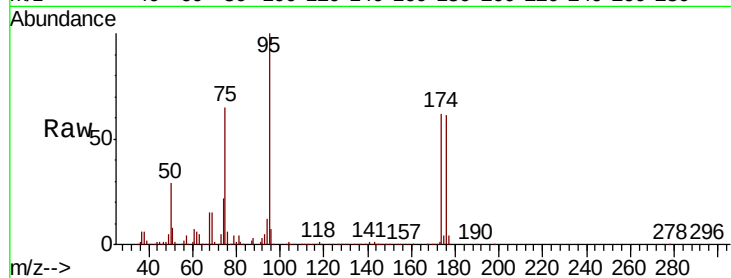
Tot Ion: 95 Resp: 1576424

Ion Ratio Lower Upper

95 100

174 63.7 52.3 78.5

175 4.5 3.8 5.6



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

