

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020620\
 Data File : VL034616.D
 Acq On : 7 Feb 2020 10:52
 Operator : SY/AP
 Sample : L1435-08DL 4X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-8DL

Quant Time: Feb 10 10:00:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	871493	10.00	ppbv	0.07
33) 1,4-Difluorobenzene	7.26	114	1819529	10.00	ppbv	0.07
55) Chlorobenzene-d5	12.20	117	1844299	10.00	ppbv	0.09

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1624982	10.43	ppbv	0.09
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

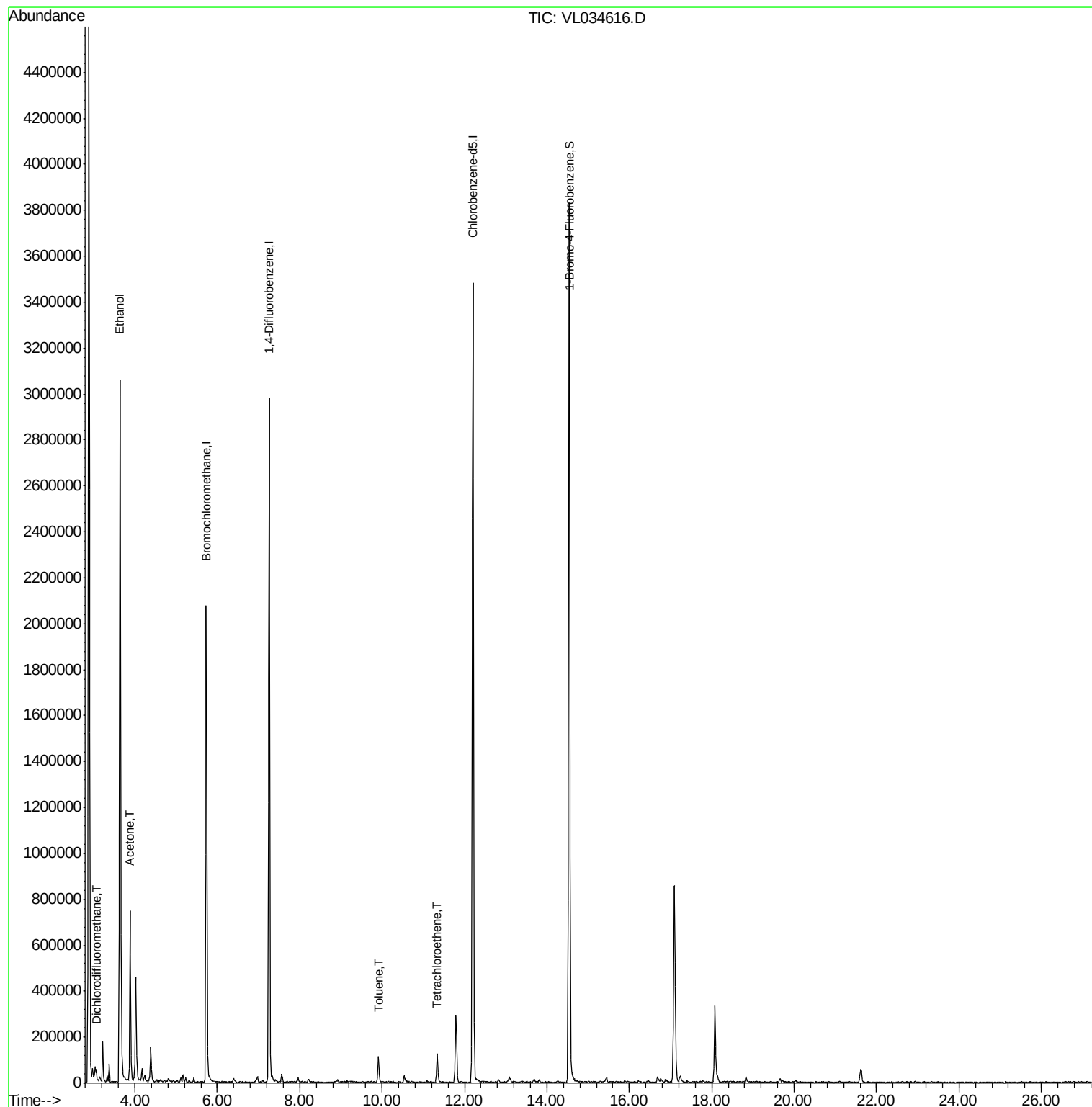
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	26831	0.140	ppbv	# 80
13) Ethanol	3.64	45	3520131	320.523	ppbv	98
15) Acetone	3.88	43	711272	5.553	ppbv	99
52) Tetrachloroethene	11.33	164	26147m	0.402	ppbv	
53) Toluene	9.92	91	76791m	0.432	ppbv	

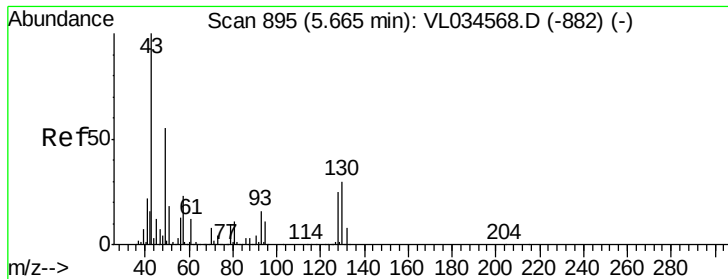
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.73 min Scan# 916

Delta R.T. 0.07 min

Lab File: VL034616.D

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IA-8DL

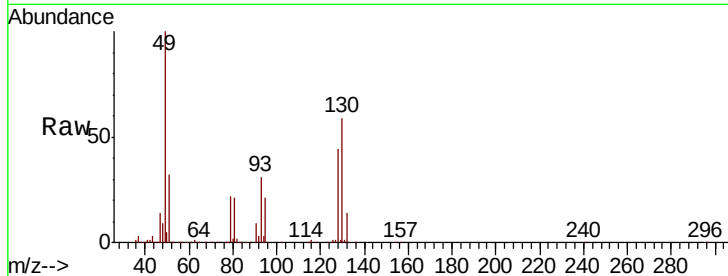
Tot Ion: 49 Resp: 871493

Ion Ratio Lower Upper

49 100

128 46.6 22.7 68.1

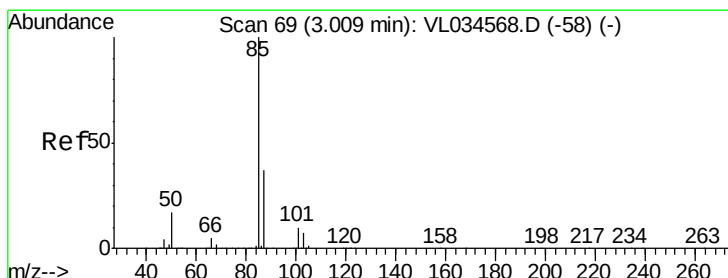
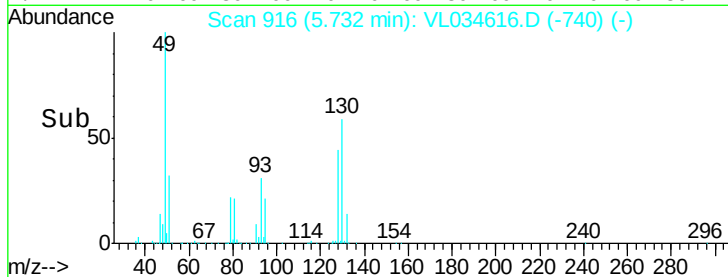
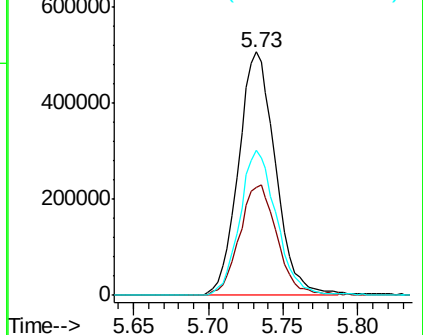
130 60.1 28.6 85.8



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



#2

Dichlorodifluoromethane

Concen: 0.140 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.05 min

Lab File: VL034616.D

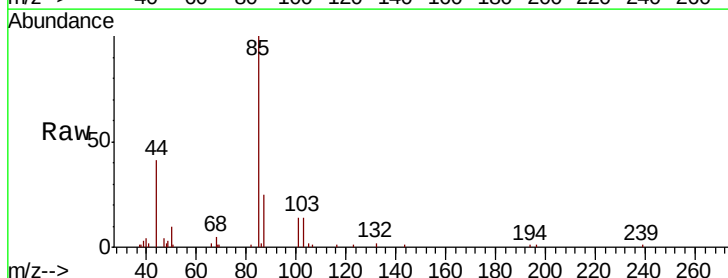
Acq: 7 Feb 2020 10:52

Tgt Ion: 85 Resp: 26831

Ion Ratio Lower Upper

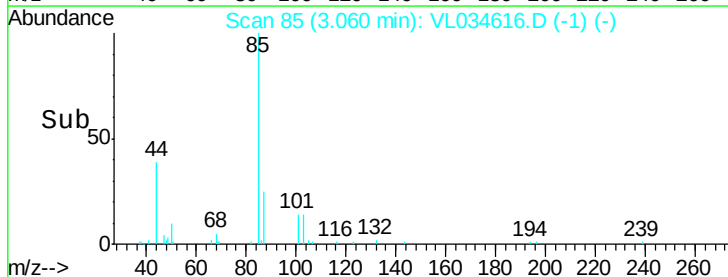
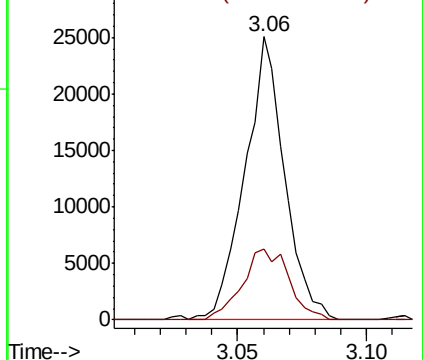
85 100

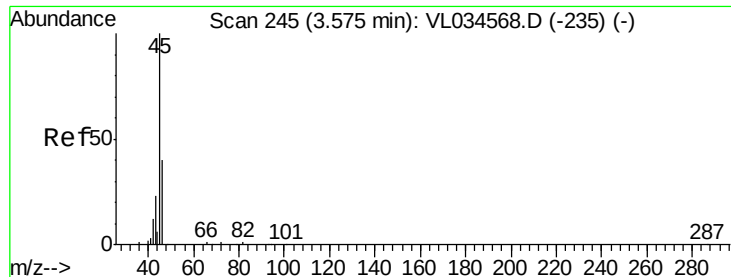
87 25.2 29.5 44.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

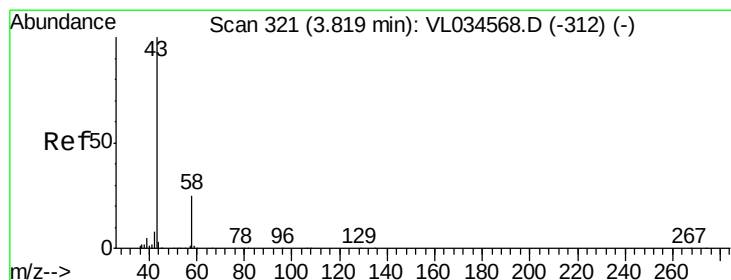
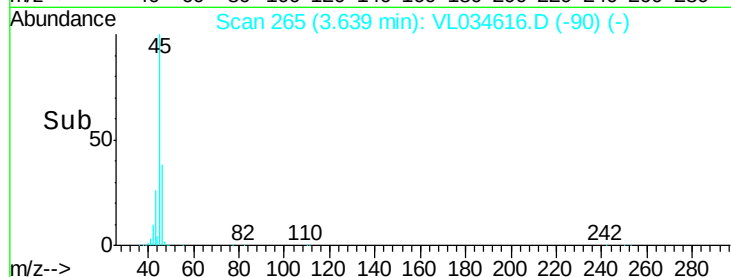
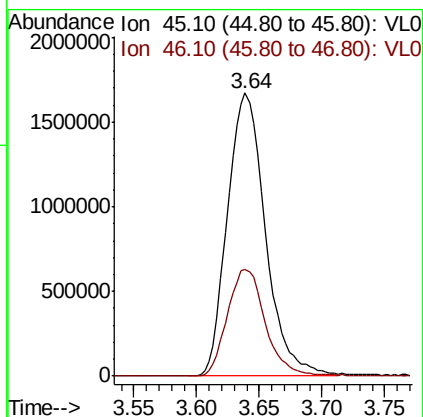
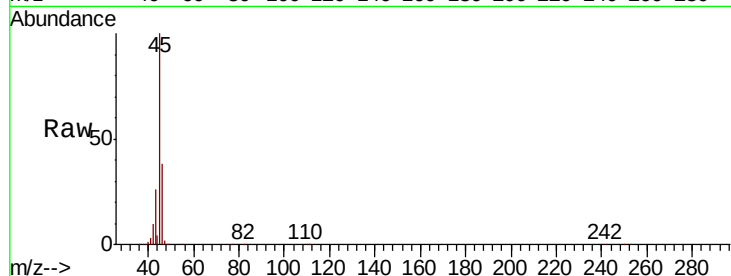




#13
Ethanol
Concen: 320.523 ppbv
RT: 3.64 min Scan# 265
Delta R.T. 0.06 min
Lab File: VL034616.D
Acq: 7 Feb 2020 10:52

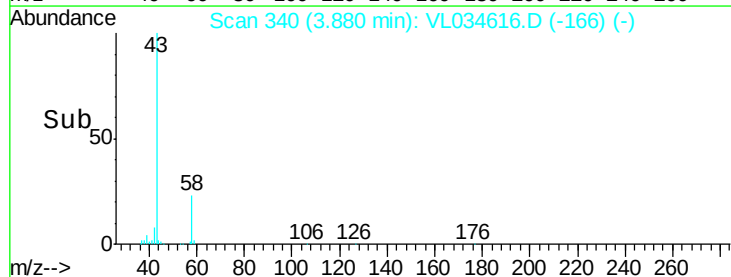
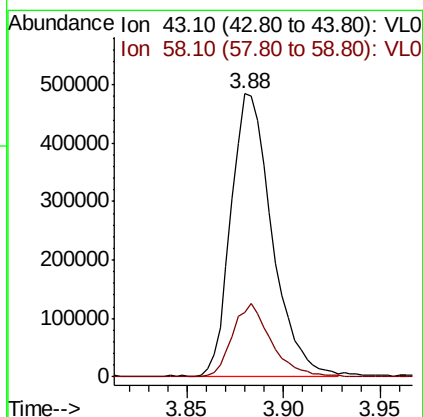
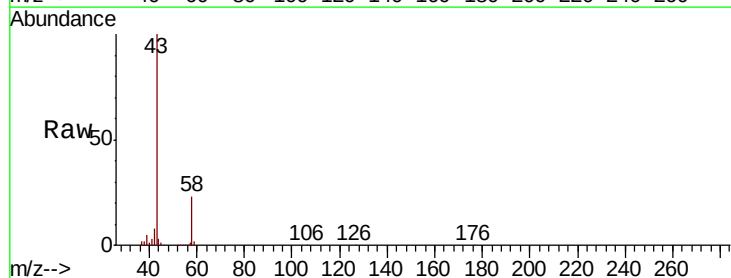
Instrument :
MSVOA_L
ClientSampleId :
IA-8DL

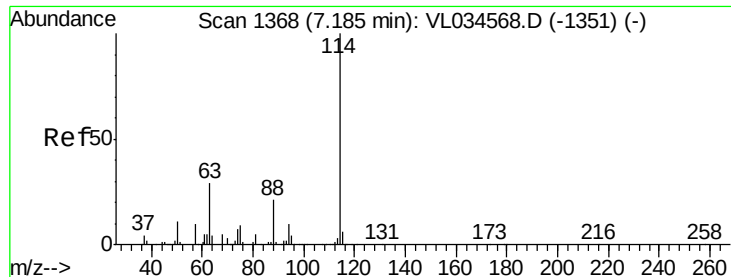
Tot Ion: 45 Resp: 3520131
Ion Ratio Lower Upper
45 100
46 37.9 14.8 59.2



#15
Acetone
Concen: 5.553 ppbv
RT: 3.88 min Scan# 340
Delta R.T. 0.06 min
Lab File: VL034616.D
Acq: 7 Feb 2020 10:52

Tgt Ion: 43 Resp: 711272
Ion Ratio Lower Upper
43 100
58 24.7 20.3 30.5

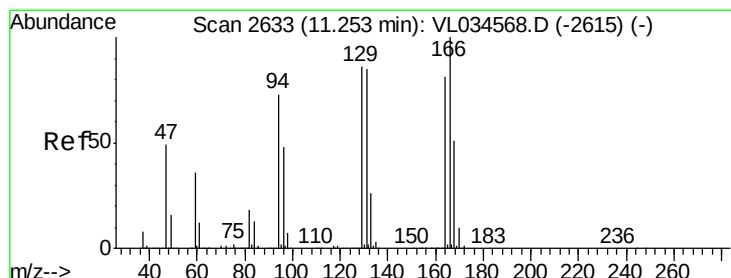
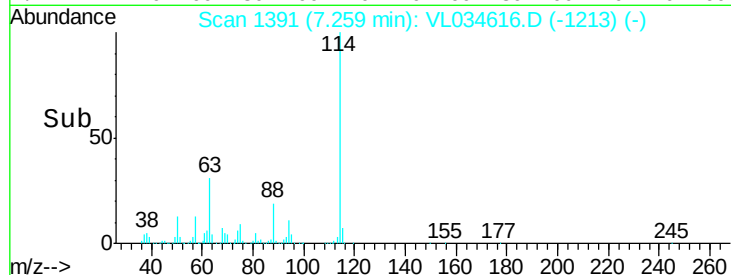
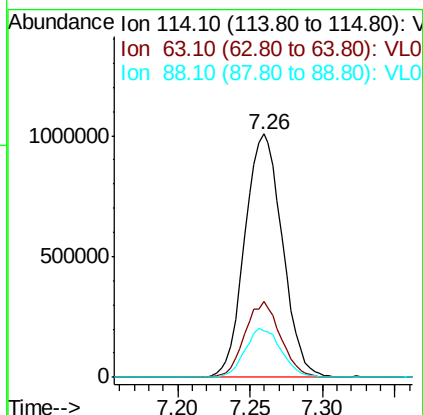
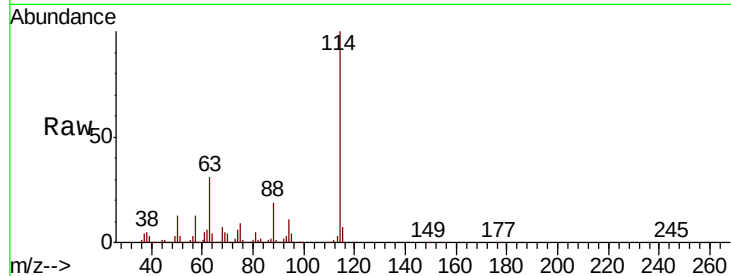




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1391
 Delta R.T. 0.07 min
 Lab File: VL034616.D
 Acq: 7 Feb 2020 10:52

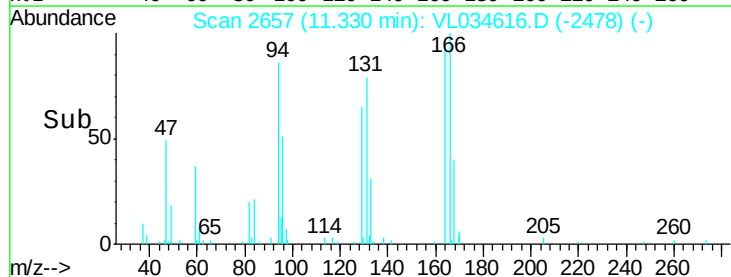
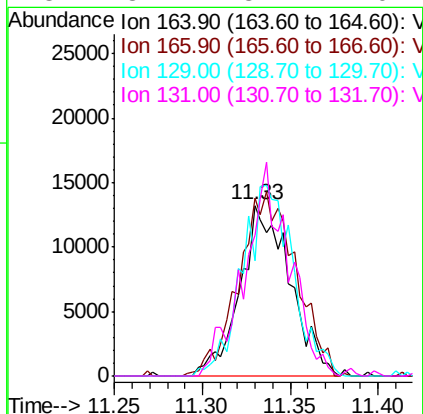
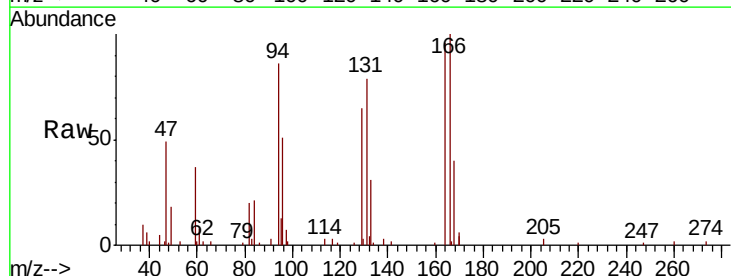
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-8DL

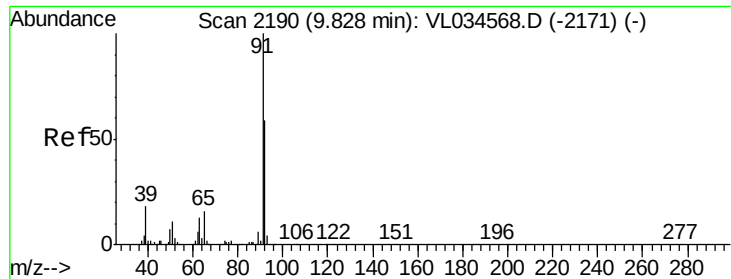
Tot Ion:114 Resp: 1819529
 Ion Ratio Lower Upper
 114 100
 63 29.8 24.1 36.1
 88 19.5 15.9 23.9



#52
 Tetrachloroethene
 Concen: 0.402 ppbv m
 RT: 11.33 min Scan# 2657
 Delta R.T. 0.08 min
 Lab File: VL034616.D
 Acq: 7 Feb 2020 10:52

Tgt Ion:164 Resp: 26147
 Ion Ratio Lower Upper
 164 100
 166 104.1 99.0 148.4
 129 67.5 85.3 127.9#
 131 82.4 84.2 126.2#





#53

Toluene

Concen: 0.432 ppbv m

RT: 9.92 min Scan# 2218

Delta R.T. 0.09 min

Lab File: VL034616.D

Acq: 7 Feb 2020 10:52

Instrument :

MSVOA_L

ClientSampleId :

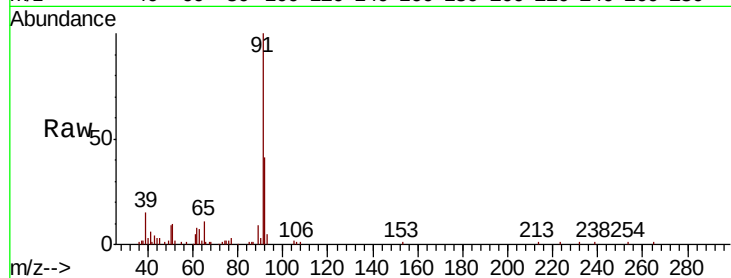
IA-8DL

Tot Ion: 91 Resp: 76791

Ion Ratio Lower Upper

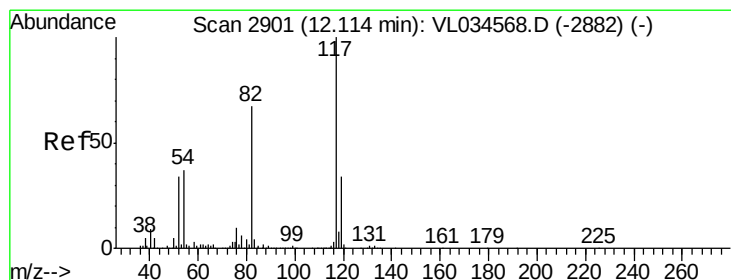
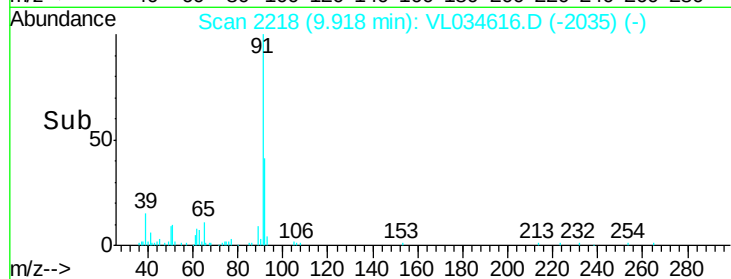
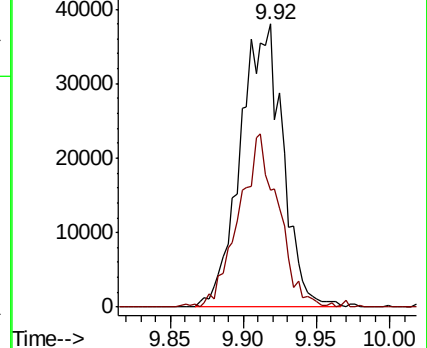
91 100

92 57.3 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.20 min Scan# 2929

Delta R.T. 0.09 min

Lab File: VL034616.D

Acq: 7 Feb 2020 10:52

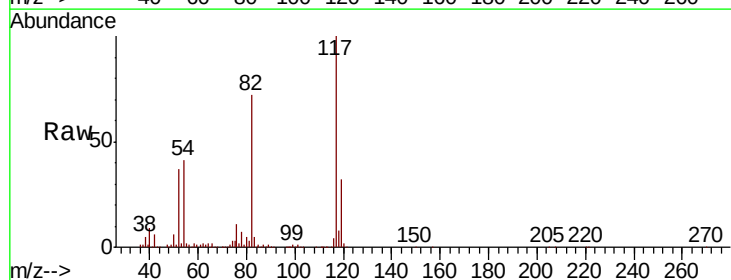
Tgt Ion: 117 Resp: 1844299

Ion Ratio Lower Upper

117 100

82 71.4 54.2 81.4

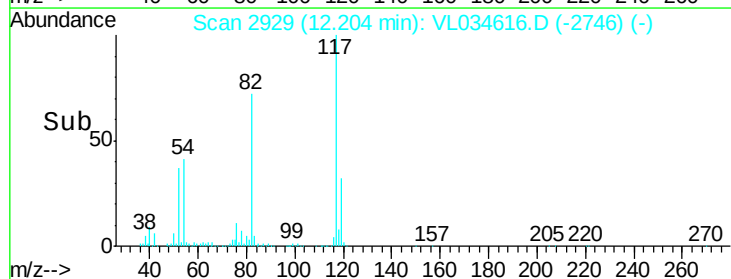
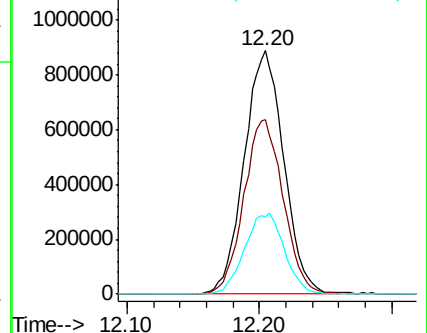
119 33.4 26.1 39.1

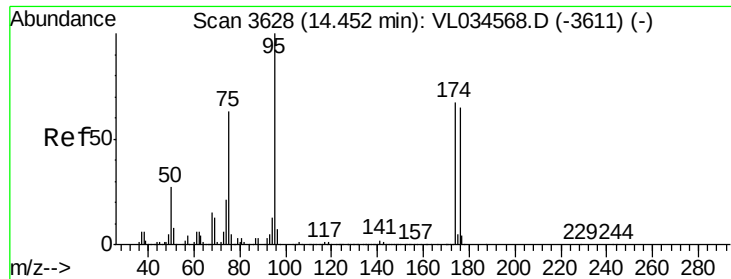


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.425 ppbv

RT: 14.54 min Scan# 3656

Delta R.T. 0.09 min

Lab File: VL034616.D

Acq: 7 Feb 2020 10:52

Instrument :

MSVOA_L

ClientSampleId :

IA-8DL

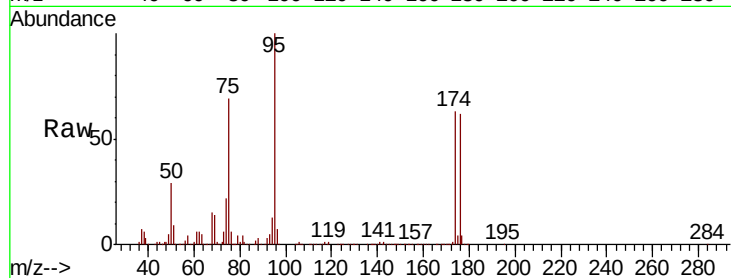
Tot Ion: 95 Resp: 1624982

Ion Ratio Lower Upper

95 100

174 62.7 52.3 78.5

175 4.4 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

