

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032019\
 Data File : VL033411.D
 Acq On : 21 Mar 2019 4:51
 Operator : SY/AP
 Sample : K1975-05DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Mar 24 16:37:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 15 14:52:14 2019
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	831375	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1907335	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	2576979	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1391281	7.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	72.90%

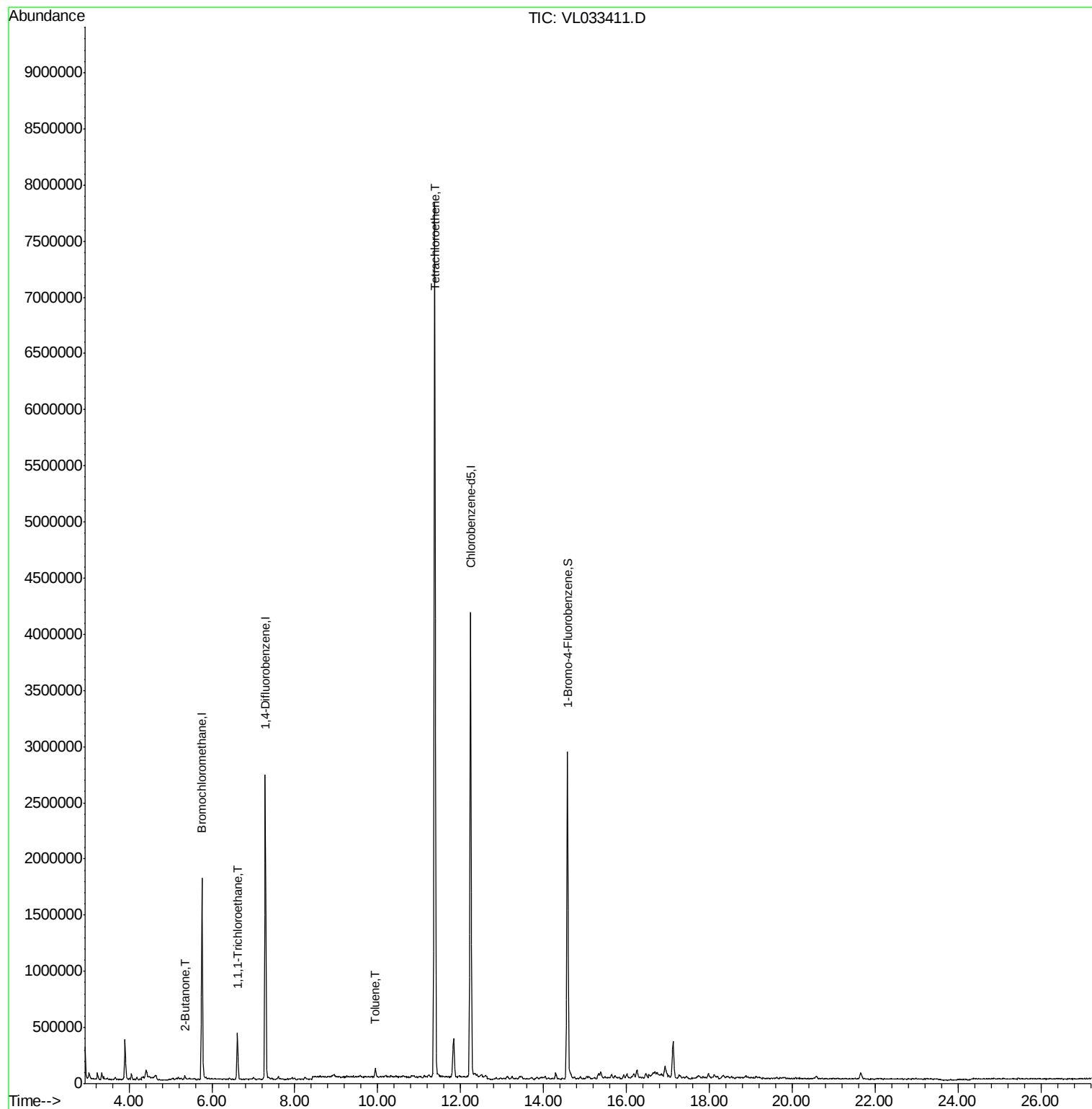
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
32) 1,1,1-Trichloroethane	6.62	97	243277	1.802	ppbv	97
34) 2-Butanone	5.34	43	32371	0.258	ppbv	96
52) Tetrachloroethene	11.37	164	1933310	27.187	ppbv	99
53) Toluene	9.95	91	51561	0.266	ppbv	100

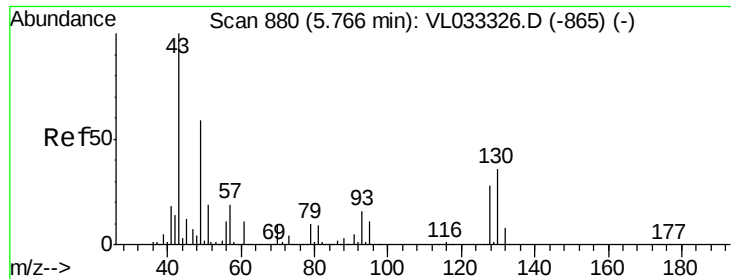
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033411.D

Acq: 21 Mar 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

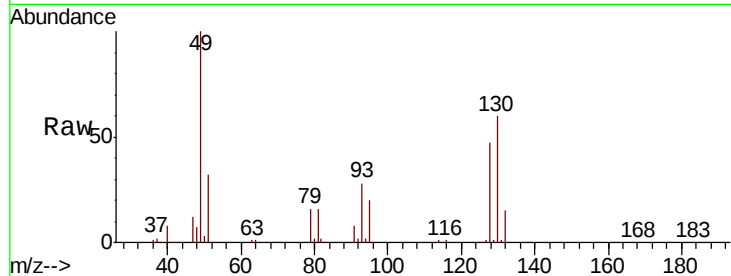
Tot Ion: 49 Resp: 831375

Ion Ratio Lower Upper

49 100

128 47.4 23.5 70.6

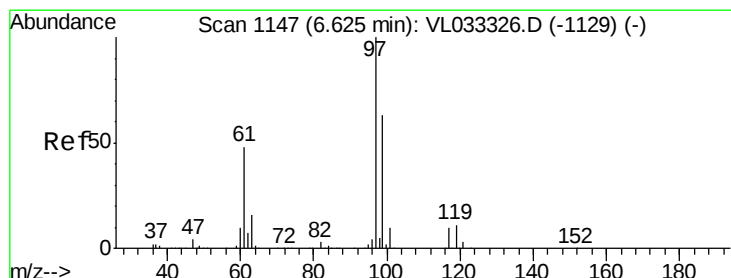
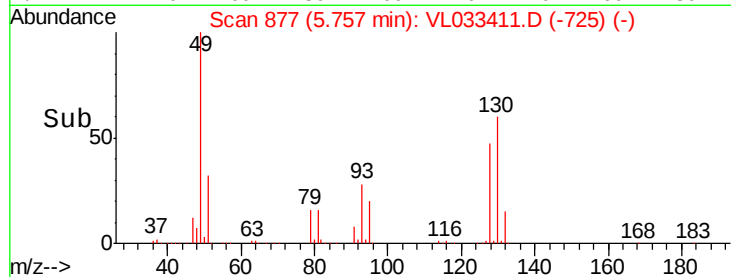
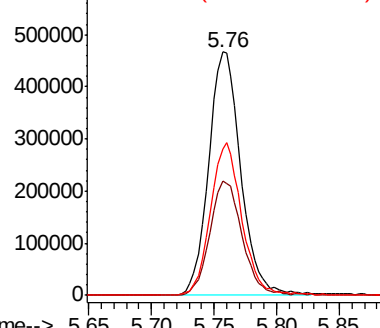
130 61.4 30.1 90.3



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



#32

1,1,1-Trichloroethane

Concen: 1.802 ppbv

RT: 6.62 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VL033411.D

Acq: 21 Mar 2019 4:51

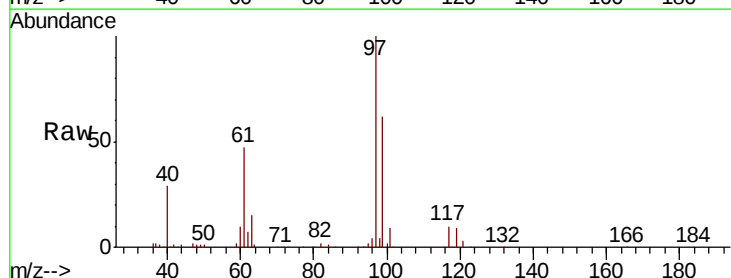
Tgt Ion: 97 Resp: 243277

Ion Ratio Lower Upper

97 100

99 66.8 51.0 76.6

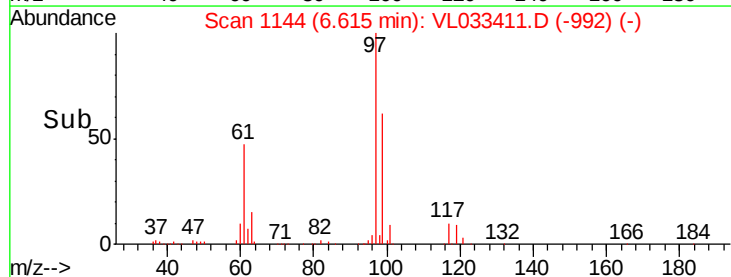
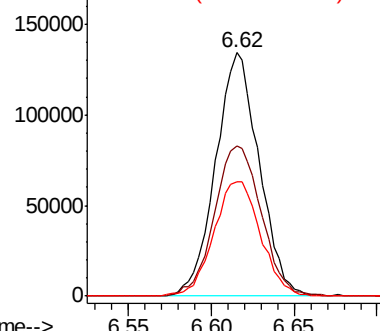
61 50.8 39.3 58.9

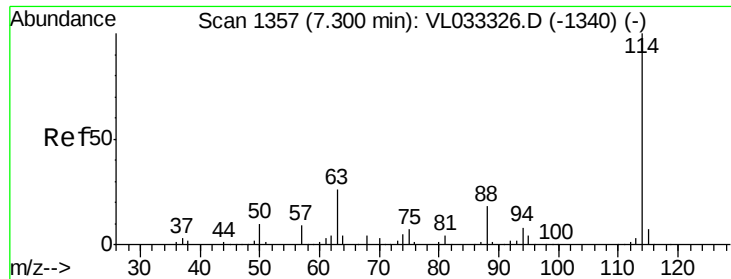


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

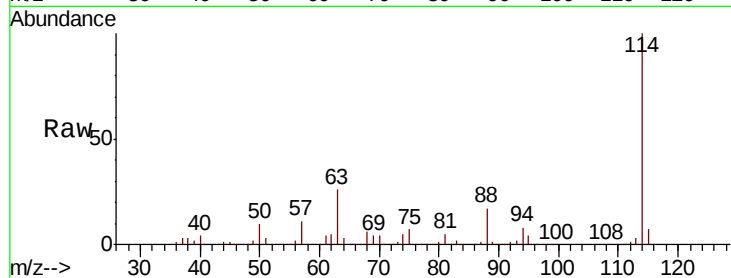




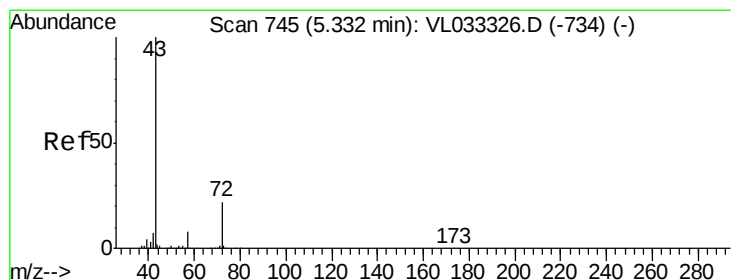
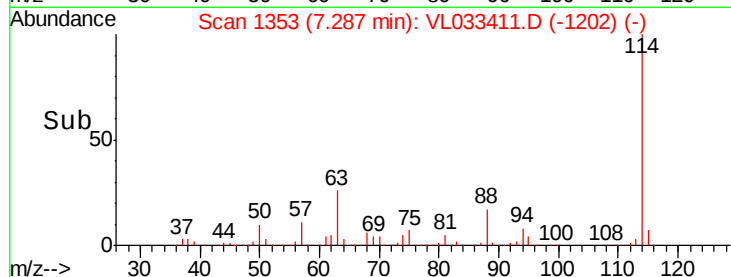
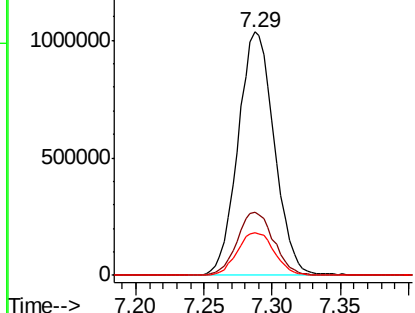
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033411.D
 Acq: 21 Mar 2019 4:51

Instrument :
 MSVOA_L
 ClientSampleID :
 SV1DL

Tot Ion:114 Resp: 1907335
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.4 32.2
 88 18.2 14.5 21.7

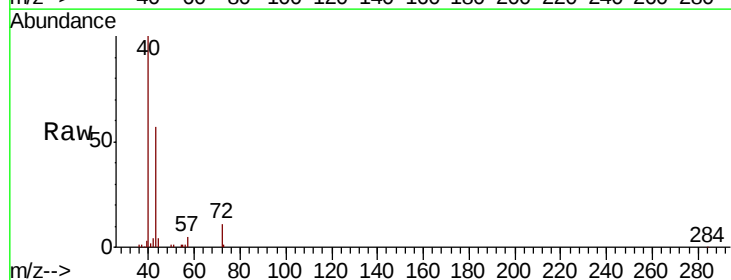


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

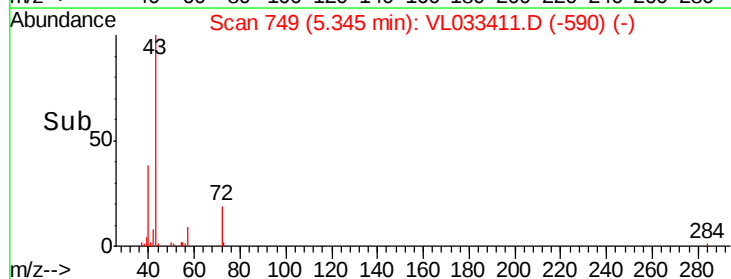
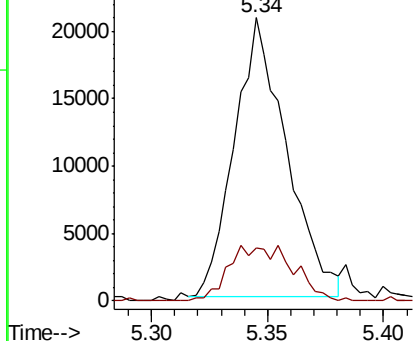


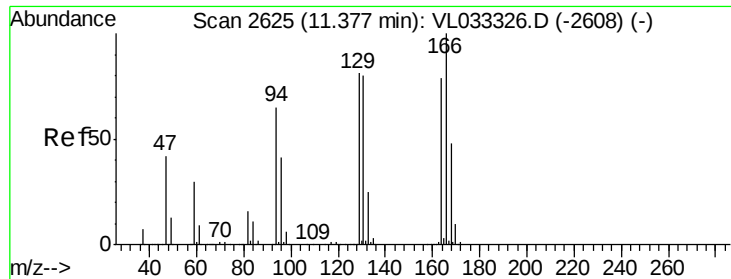
#34
 2-Butanone
 Concen: 0.258 ppbv
 RT: 5.34 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL033411.D
 Acq: 21 Mar 2019 4:51

Tgt Ion: 43 Resp: 32371
 Ion Ratio Lower Upper
 43 100
 72 24.2 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#52

Tetrachloroethene

Concen: 27.187 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.00 min

Lab File: VL033411.D

Acq: 21 Mar 2019 4:51

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tot Ion:164 Resp: 1933310

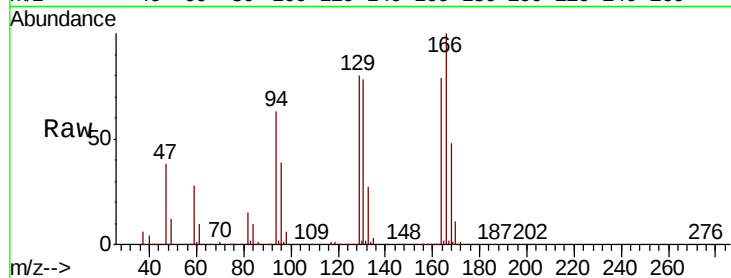
Ion Ratio Lower Upper

164 100

166 127.4 101.5 152.3

129 102.1 82.2 123.2

131 99.6 81.1 121.7

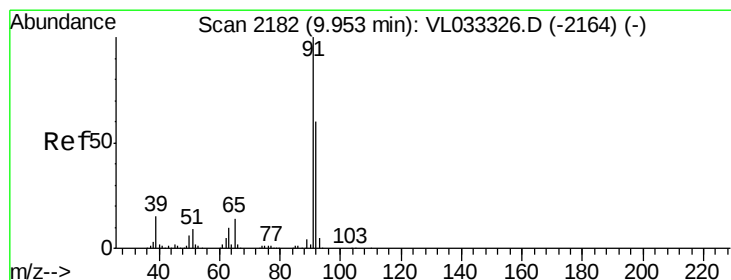
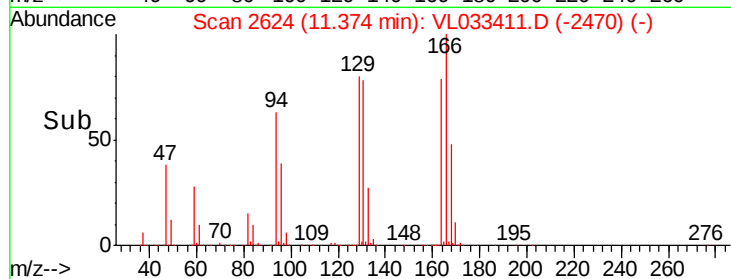
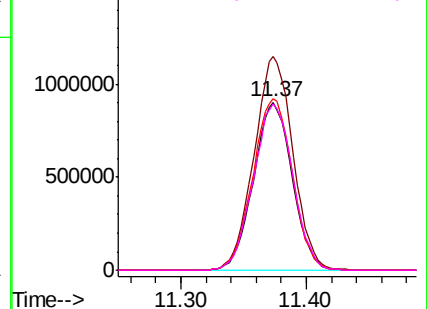


Abundance Ion 163.90 (163.60 to 164.60): V

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



#53

Toluene

Concen: 0.266 ppbv

RT: 9.95 min Scan# 2180

Delta R.T. -0.01 min

Lab File: VL033411.D

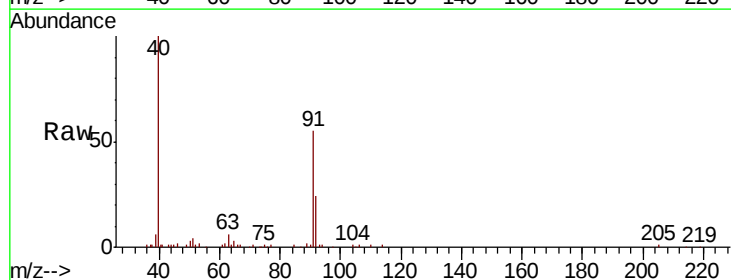
Acq: 21 Mar 2019 4:51

Tgt Ion: 91 Resp: 51561

Ion Ratio Lower Upper

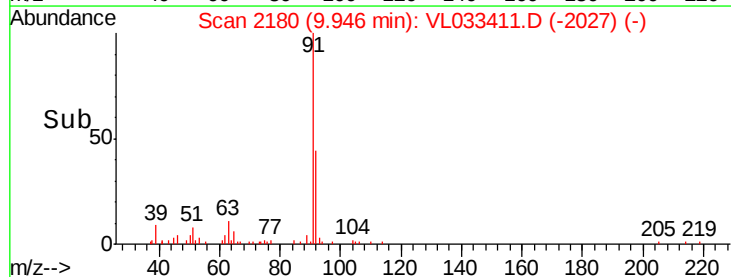
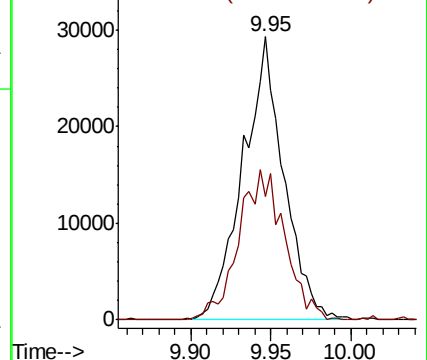
91 100

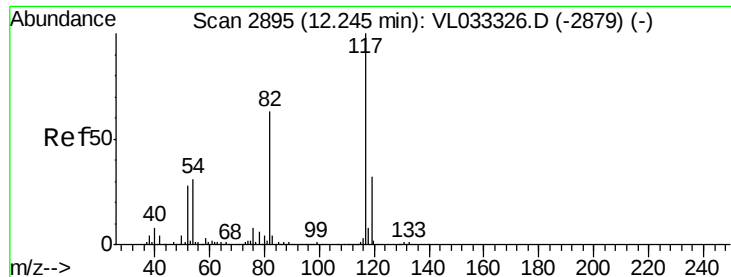
92 59.0 47.4 71.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

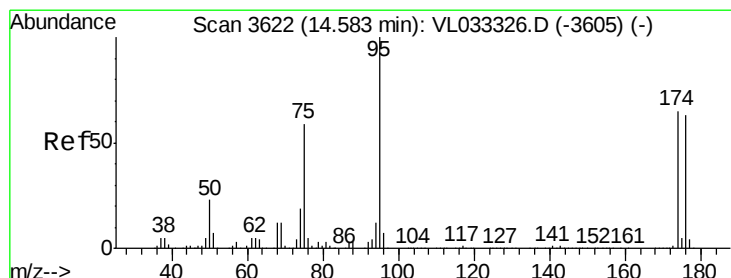
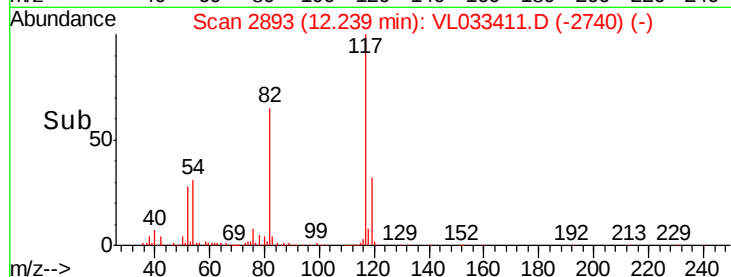
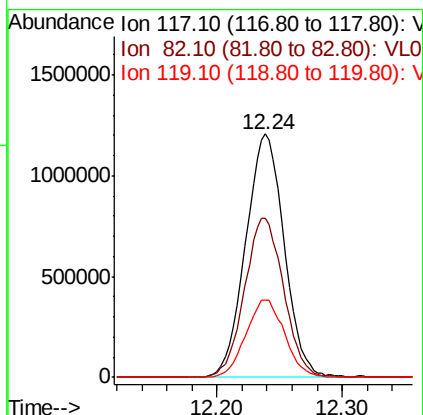
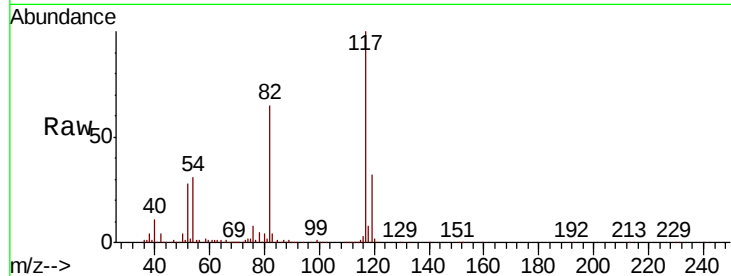




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033411.D
Acq: 21 Mar 2019 4:51

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tot Ion:117 Resp: 2576979
Ion Ratio Lower Upper
117 100
82 66.6 53.4 80.2
119 32.2 27.3 40.9



#68
1-Bromo-4-Fluorobenzene
Concen: 7.286 ppbv
RT: 14.58 min Scan# 3620
Delta R.T. -0.01 min
Lab File: VL033411.D
Acq: 21 Mar 2019 4:51

Tgt Ion: 95 Resp: 1391281
Ion Ratio Lower Upper
95 100
174 65.1 51.5 77.3
175 4.6 3.8 5.6

