

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033227.D
 Acq On : 15 Feb 2019 11:41
 Operator : SY/AP
 Sample : K1483-05DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-EDL

Quant Time: Feb 18 11:22:13 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 06 09:13:11 2019
 QLast Update : Wed Feb 06 09:13:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	811843	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1797814	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	1859967	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1473290	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

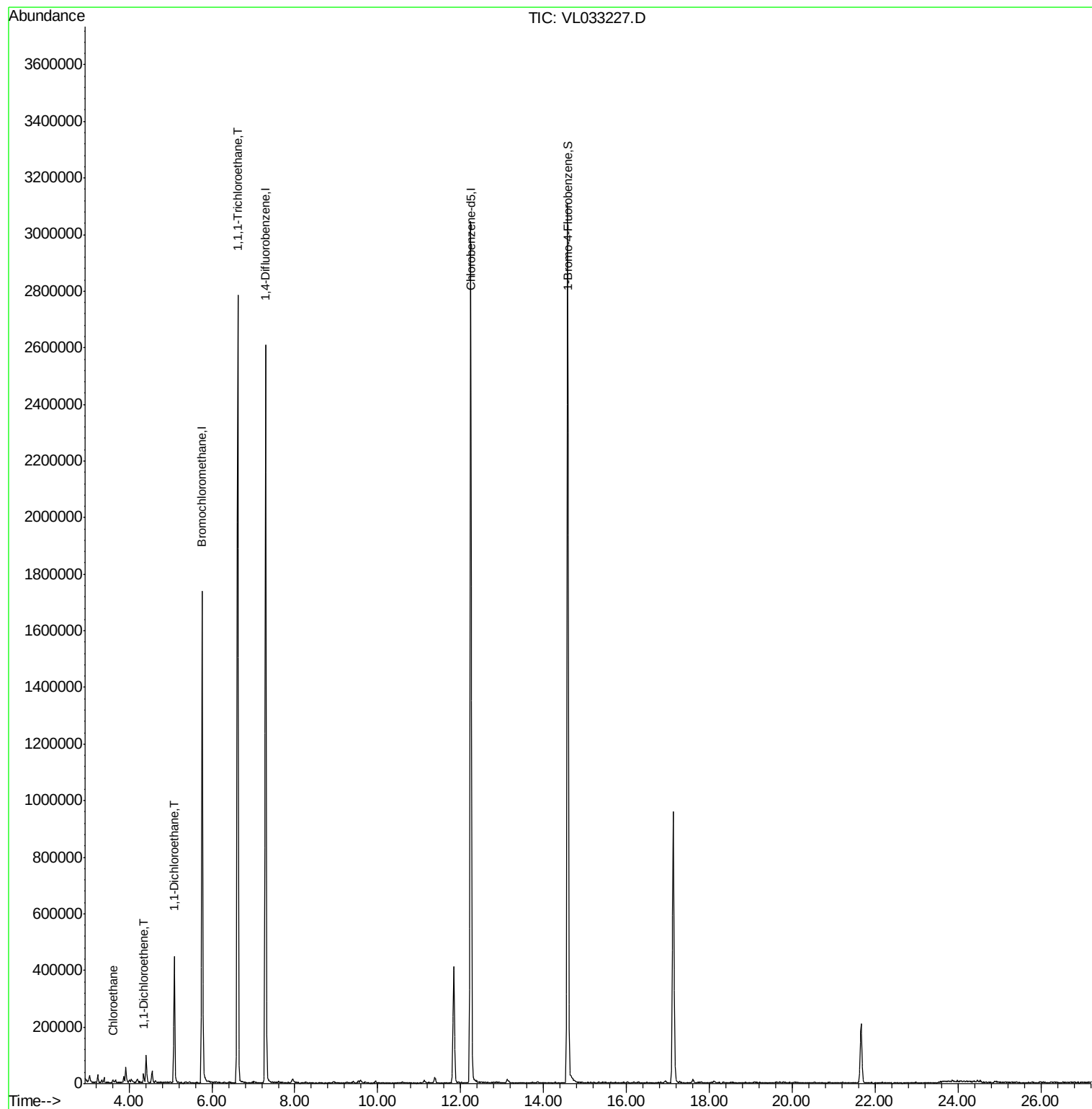
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.61	64	5134	0.291	ppbv	# 79
18) 1,1-Dichloroethene	4.35	96	7788	0.200	ppbv	95
24) 1,1-Dichloroethane	5.09	63	356428	3.179	ppbv	99
32) 1,1,1-Trichloroethane	6.62	97	1729575	10.617	ppbv	98

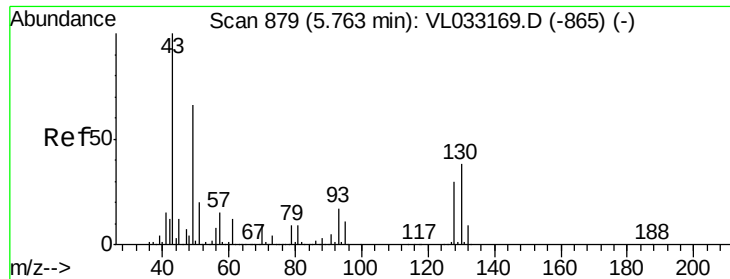
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033227.D

Acq: 15 Feb 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

ZONE-EDL

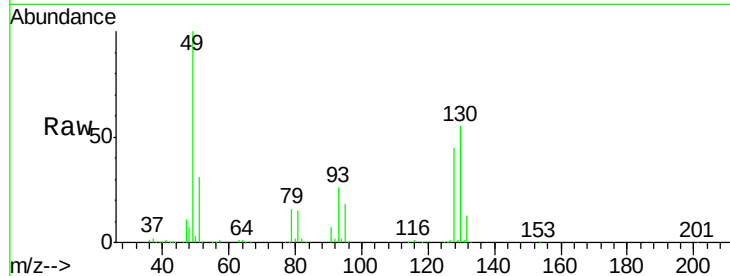
Tot Ion: 49 Resp: 811843

Ion Ratio Lower Upper

49 100

128 45.4 23.6 71.0

130 57.9 30.3 91.0



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

5.76

400000

300000

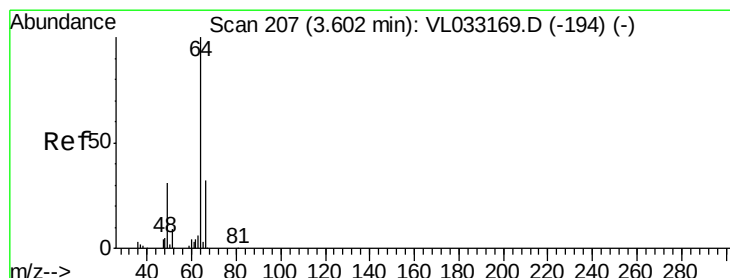
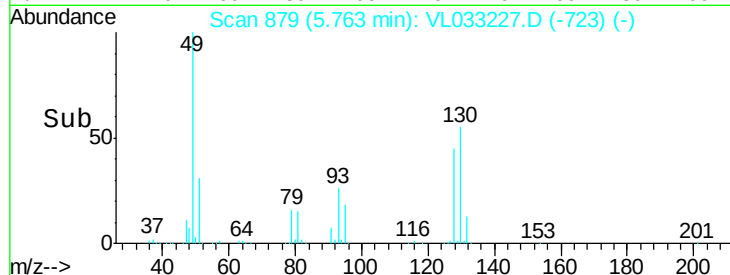
200000

100000

0

5.70 5.75 5.80

Time-->



#7

Chloroethane

Concen: 0.291 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL033227.D

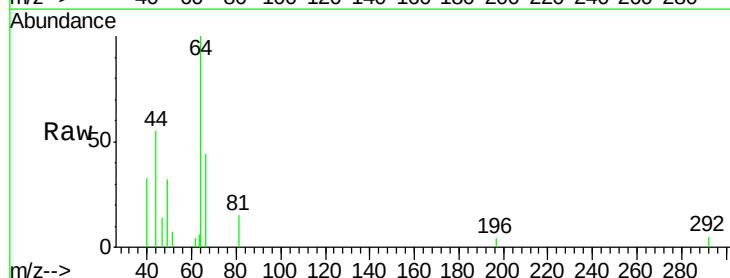
Acq: 15 Feb 2019 11:41

Tgt Ion: 64 Resp: 5134

Ion Ratio Lower Upper

64 100

66 44.3 26.0 39.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.61

4000

3000

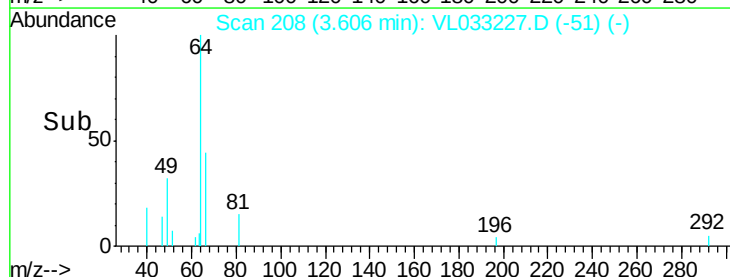
2000

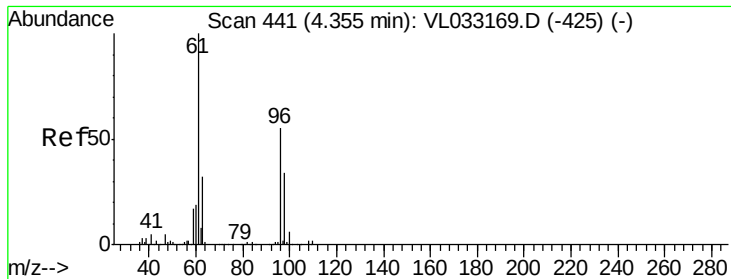
1000

0

3.56 3.58 3.60 3.62 3.64

Time-->

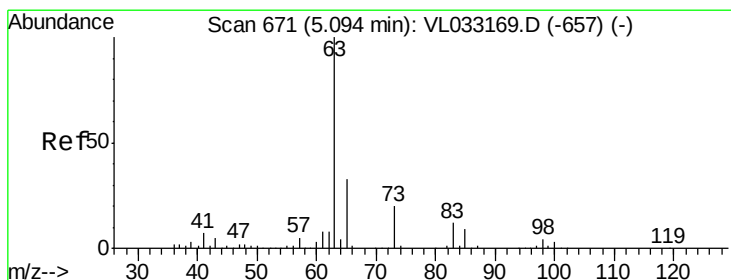
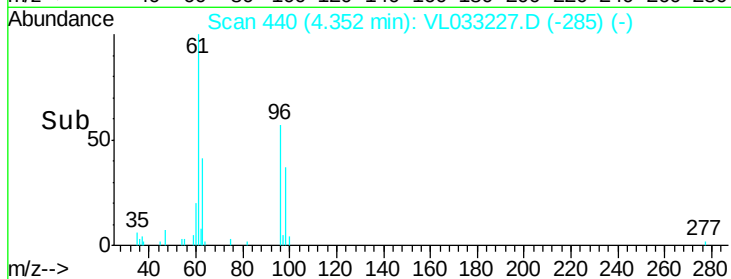
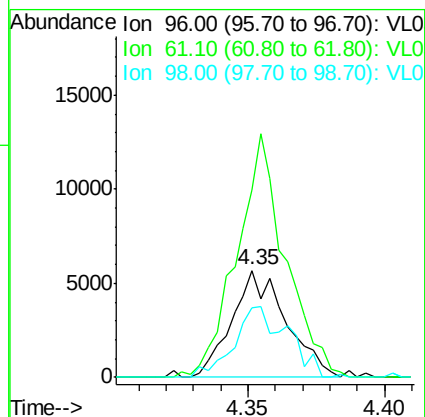
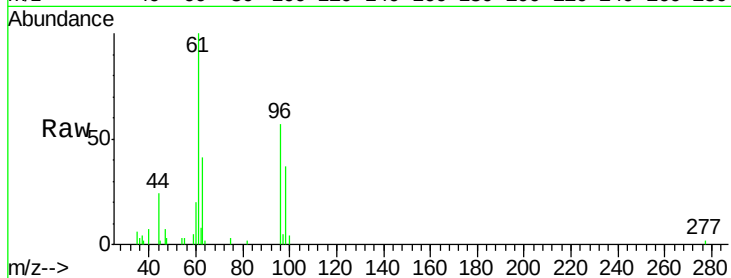




#18
 1,1-Dichloroethene
 Concen: 0.200 ppbv
 RT: 4.35 min Scan# 440
 Delta R.T. -0.00 min
 Lab File: VL033227.D
 Acq: 15 Feb 2019 11:41

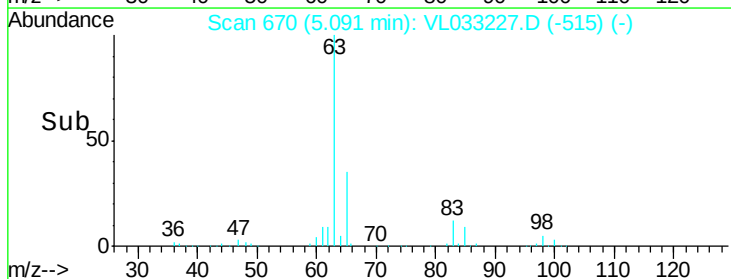
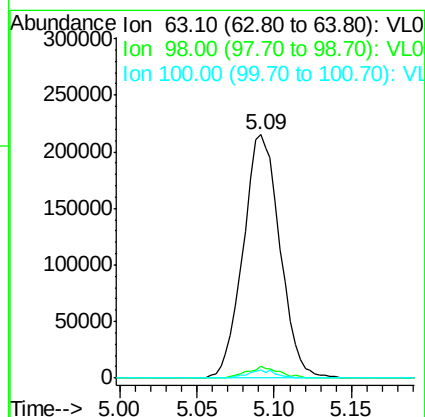
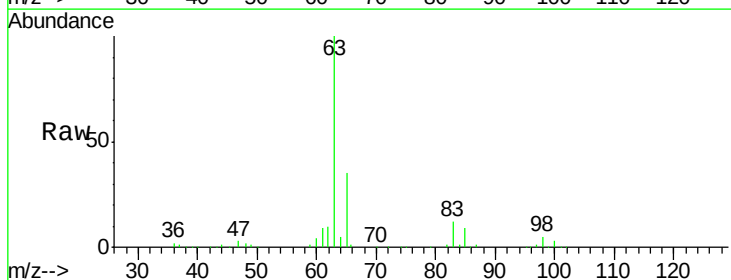
Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-EDL

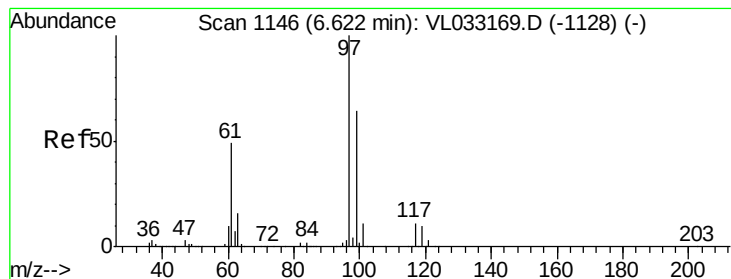
Tot Ion: 96 Resp: 7788
 Ion Ratio Lower Upper
 96 100
 61 172.8 145.0 217.6
 98 65.2 50.0 75.0



#24
 1,1-Dichloroethane
 Concen: 3.179 ppbv
 RT: 5.09 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VL033227.D
 Acq: 15 Feb 2019 11:41

Tgt Ion: 63 Resp: 356428
 Ion Ratio Lower Upper
 63 100
 98 4.7 2.1 6.5
 100 3.4 1.4 4.2





#32

1,1,1-Trichloroethane

Concen: 10.617 ppbv

RT: 6.62 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VL033227.D

Acq: 15 Feb 2019 11:41

Instrument :

MSVOA_L

ClientSampleId :

ZONE-EDL

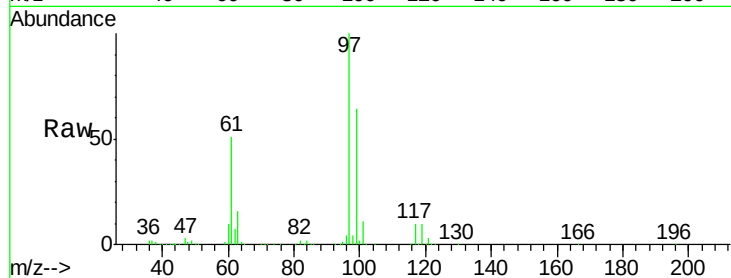
Tot Ion: 97 Resp: 1729575

Ion Ratio Lower Upper

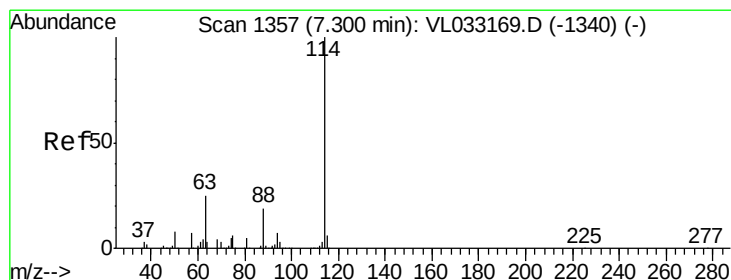
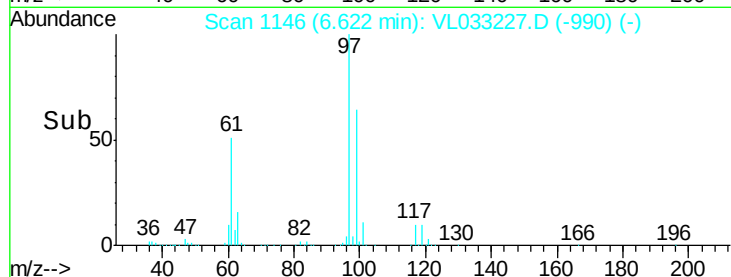
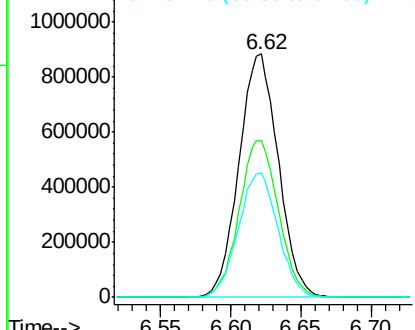
97 100

99 64.6 51.4 77.2

61 51.6 38.9 58.3



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# 1355

Delta R.T. -0.01 min

Lab File: VL033227.D

Acq: 15 Feb 2019 11:41

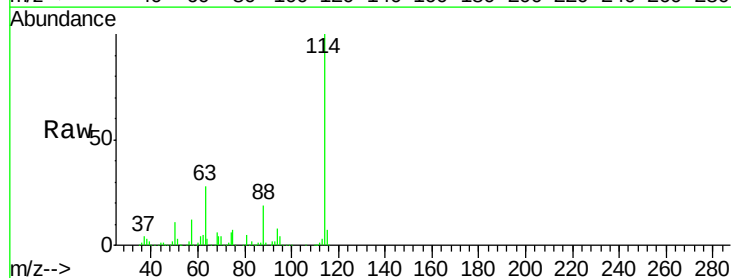
Tgt Ion: 114 Resp: 1797814

Ion Ratio Lower Upper

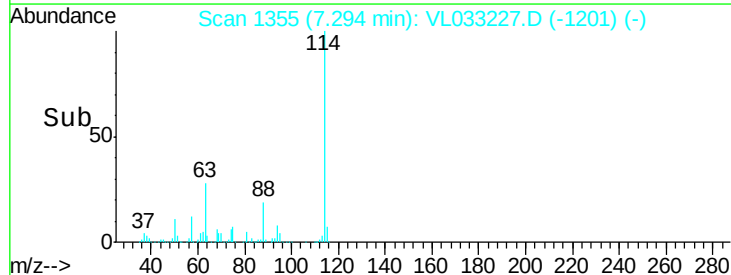
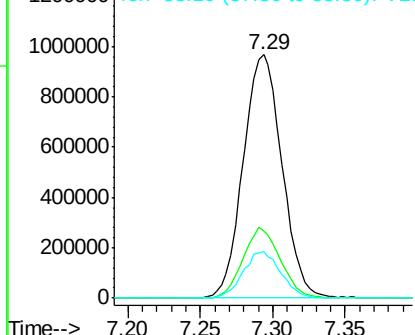
114 100

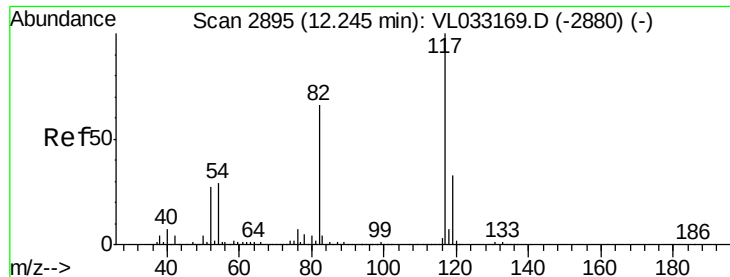
63 28.0 20.8 31.2

88 18.5 14.6 22.0



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

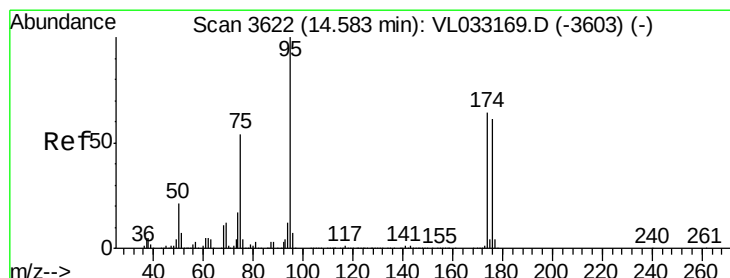
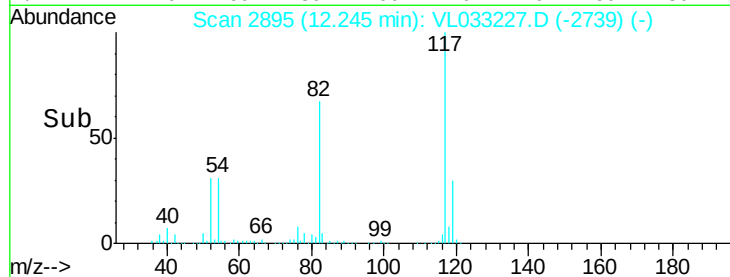
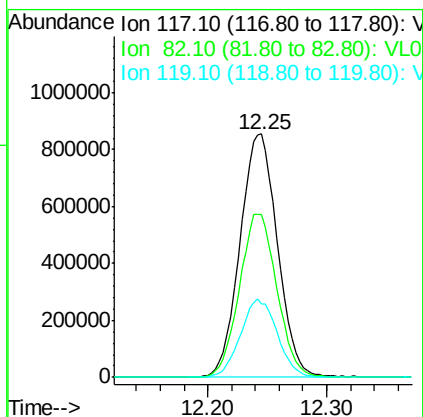
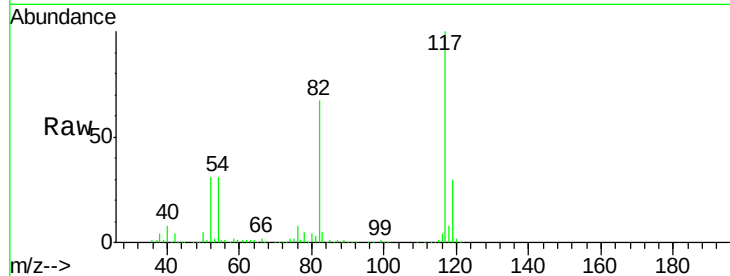




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL033227.D
Acq: 15 Feb 2019 11:41

Instrument :
MSVOA_L
ClientSampleId :
ZONE-EDL

Tot Ion:117 Resp: 1859967
Ion Ratio Lower Upper
117 100
82 67.7 49.5 74.3
119 31.6 24.4 36.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.285 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. 0.00 min
Lab File: VL033227.D
Acq: 15 Feb 2019 11:41

Tgt Ion: 95 Resp: 1473290
Ion Ratio Lower Upper
95 100
174 63.7 51.2 76.8
175 4.5 3.8 5.6

