

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
 Data File : VL033180.D
 Acq On : 6 Feb 2019 11:57
 Operator : SY/AP
 Sample : K1289-01DL 2X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1000DL

Quant Time: Feb 20 06:47:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 06:00:52 2019
 QLast Update : Wed Feb 20 06:00:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	845674	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1967422	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	2237550	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1841465	10.56	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.60%

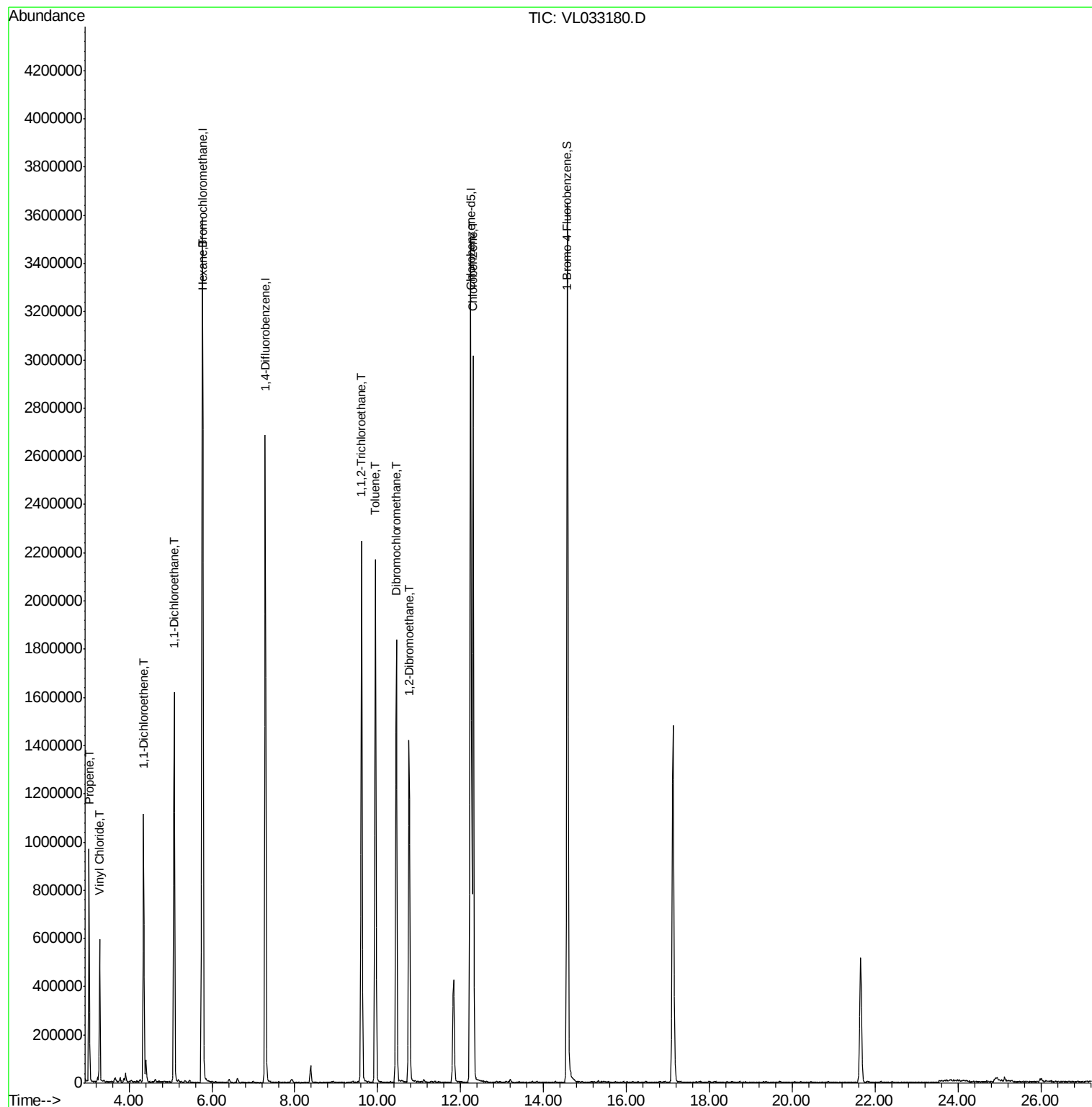
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	3.29	62	484490	8.630	ppbv	98
9) Propene	3.04	41	375851	7.641	ppbv	99
18) 1,1-Dichloroethene	4.35	96	318563	7.845	ppbv	97
24) 1,1-Dichloroethane	5.09	63	1350210	11.560	ppbv	100
26) Hexane	5.78	57	1289521	12.823	ppbv #	42
47) 1,1,2-Trichloroethane	9.61	97	790036	9.674	ppbv	97
48) Dibromochloromethane	10.45	129	1125639	8.749	ppbv	100
53) Toluene	9.94	91	1757938	7.445	ppbv	99
54) 1,2-Dibromoethane	10.76	107	1184198	9.241	ppbv	96
57) Chlorobenzene	12.30	112	1847949	9.334	ppbv	95

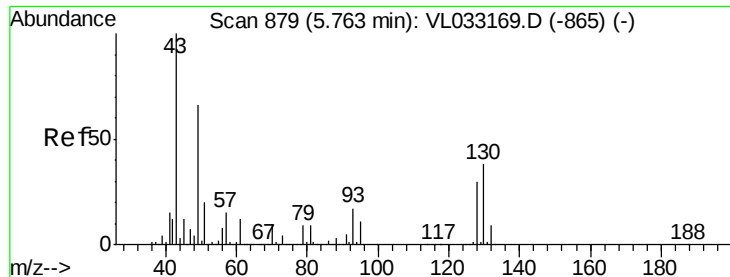
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL020519\
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MSVOA_L
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1000DL

Quant Time: Feb 20 06:47:35 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 20 06:00:52 2019
QLast Update : Wed Feb 20 06:00:52 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033180.D

Acq: 6 Feb 2019 11:57

Instrument :

MSVOA_L

ClientSampleId :

1000DL

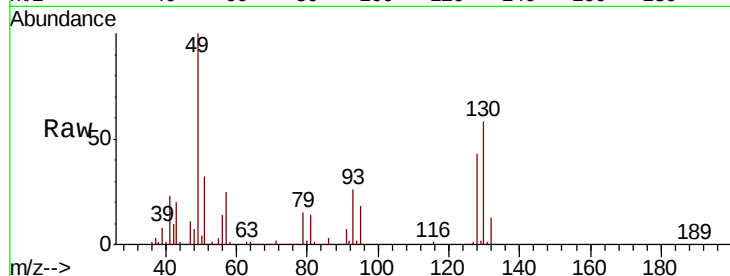
Tgt Ion: 49 Resp: 845674

Ion Ratio Lower Upper

49 100

128 46.1 23.6 71.0

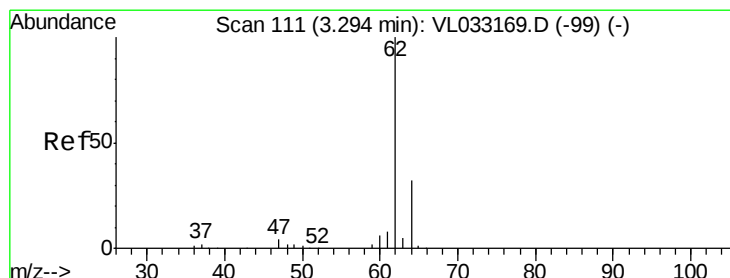
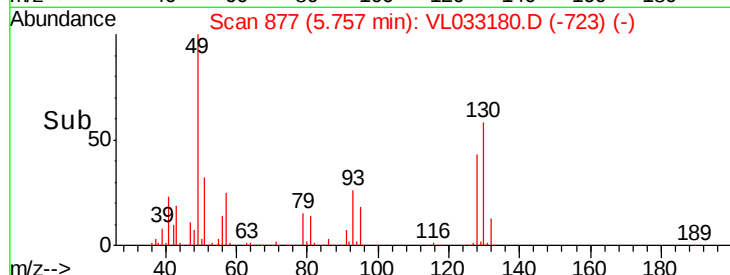
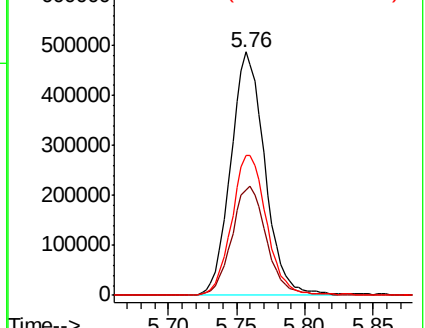
130 59.7 30.3 91.0



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



#5

Vinyl Chloride

Concen: 8.630 ppbv

RT: 3.29 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL033180.D

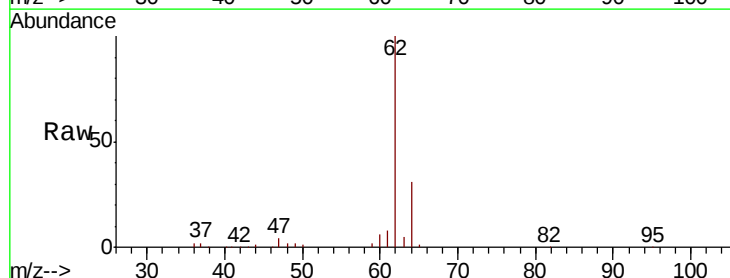
Acq: 6 Feb 2019 11:57

Tgt Ion: 62 Resp: 484490

Ion Ratio Lower Upper

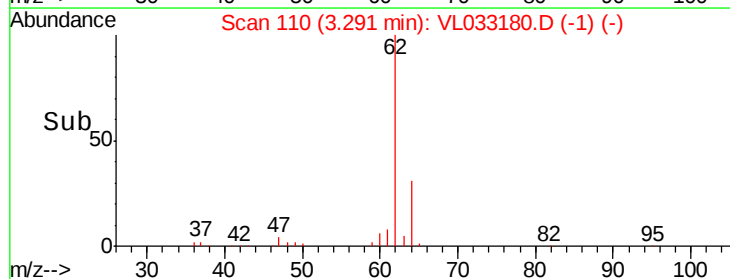
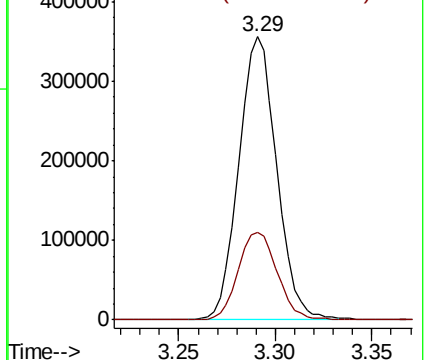
62 100

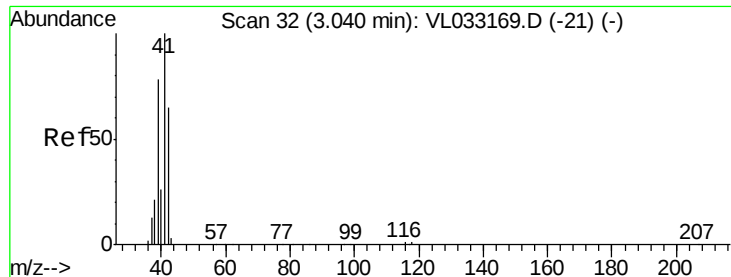
64 31.0 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 7.641 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.00 min

Lab File: VL033180.D

Acq: 6 Feb 2019 11:57

Instrument :

MSVOA_L

ClientSampleId :

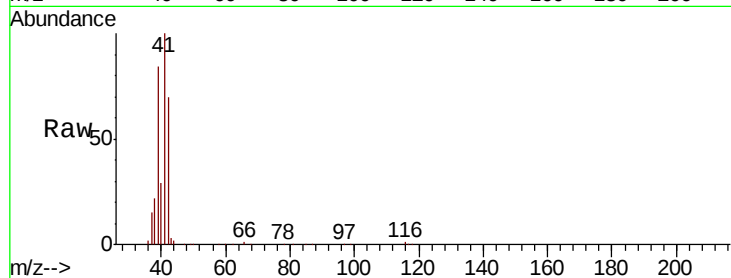
1000DL

Tgt Ion: 41 Resp: 375851

Ion Ratio Lower Upper

41 100

42 69.4 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.04

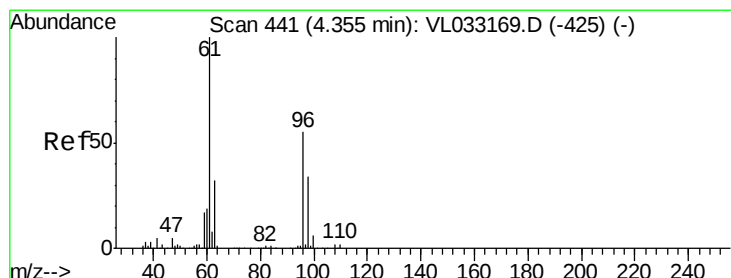
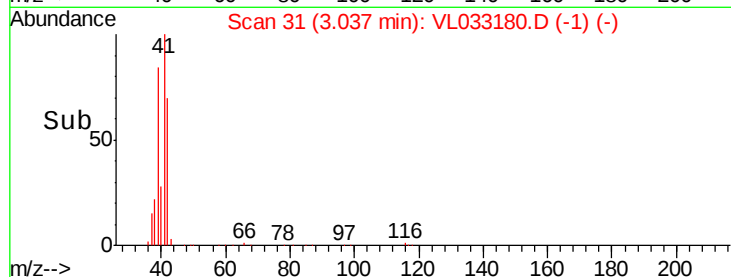
300000

200000

100000

0

Time-->



#18

1,1-Dichloroethene

Concen: 7.845 ppbv

RT: 4.35 min Scan# 440

Delta R.T. -0.00 min

Lab File: VL033180.D

Acq: 6 Feb 2019 11:57

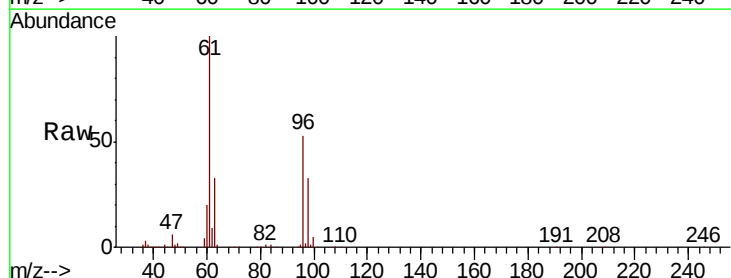
Tgt Ion: 96 Resp: 318563

Ion Ratio Lower Upper

96 100

61 187.1 145.0 217.6

98 61.8 50.0 75.0



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

500000

400000

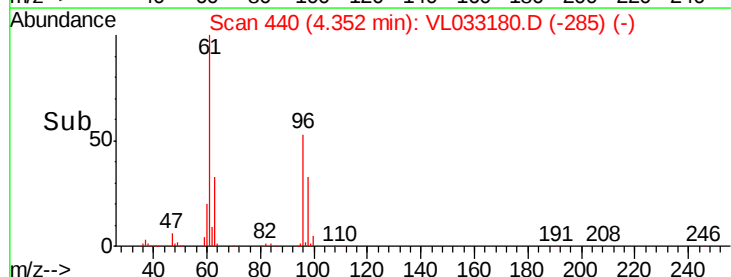
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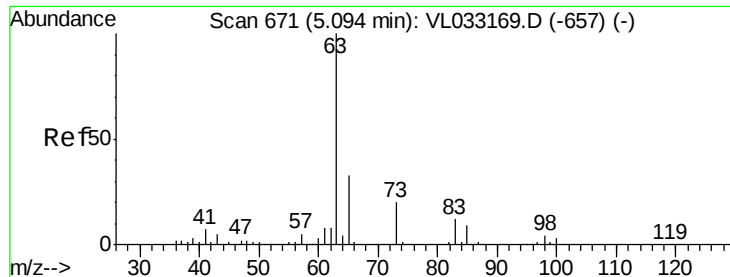
200000

100000

0

Time-->





#24

1,1-Dichloroethane

Concen: 11.560 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033180.D

Acq: 6 Feb 2019 11:57

Instrument :

MSVOA_L

ClientSampleId :

1000DL

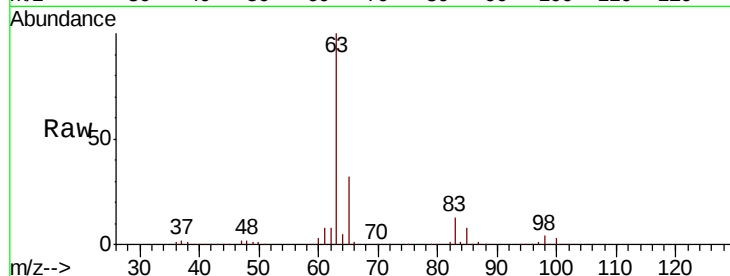
Tgt Ion: 63 Resp: 1350210

Ion Ratio Lower Upper

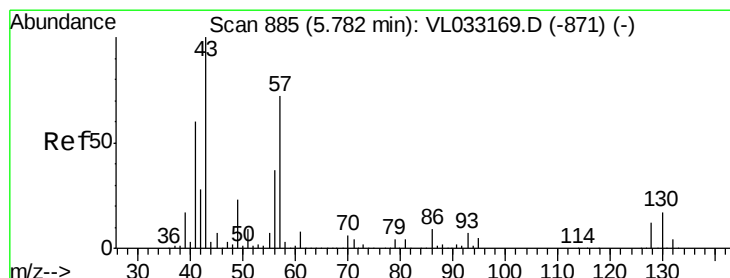
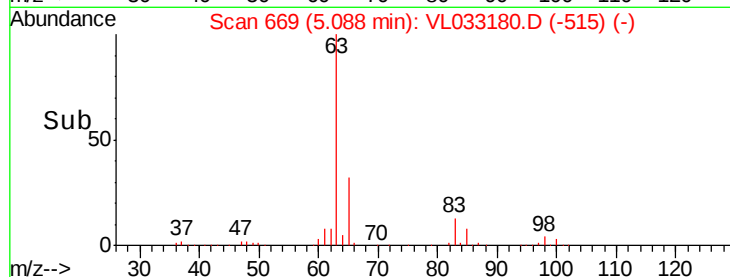
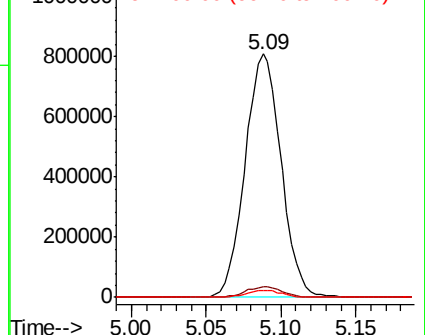
63 100

98 4.1 2.1 6.5

100 2.8 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#26

Hexane

Concen: 12.823 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL033180.D

Acq: 6 Feb 2019 11:57

Tgt Ion: 57 Resp: 1289521

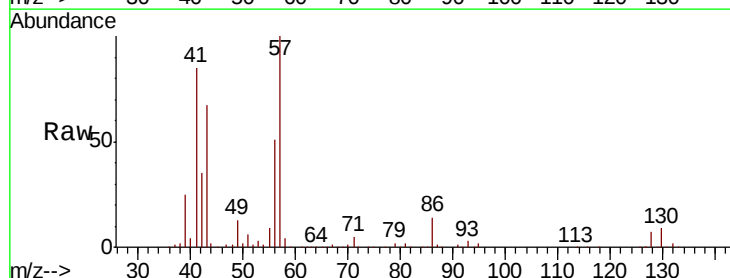
Ion Ratio Lower Upper

57 100

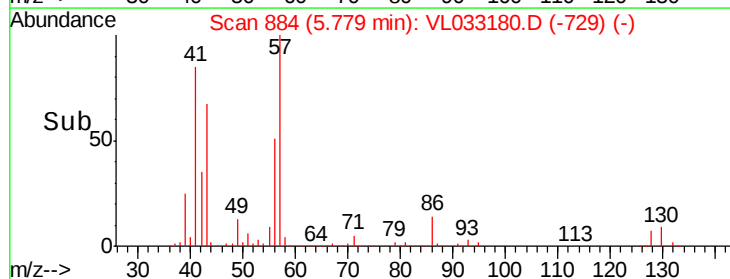
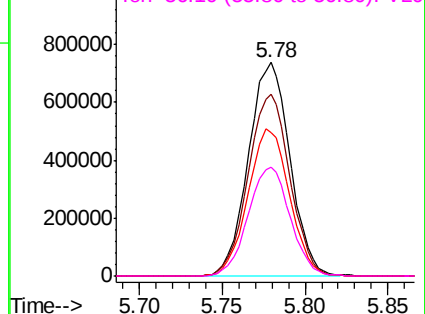
41 85.7 69.4 104.2

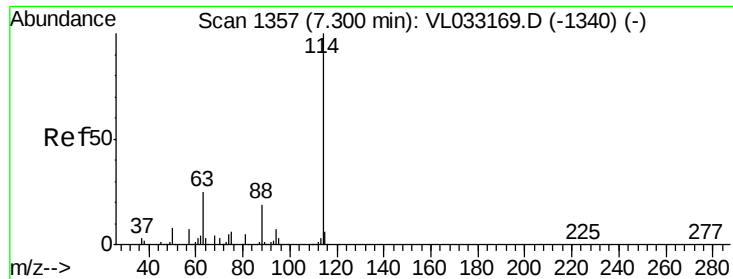
43 69.0 176.7 265.1#

56 51.7 41.4 62.0



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

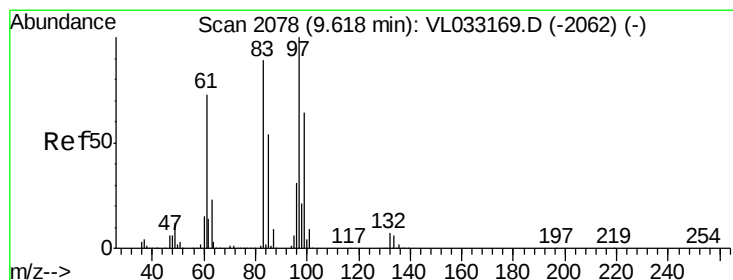
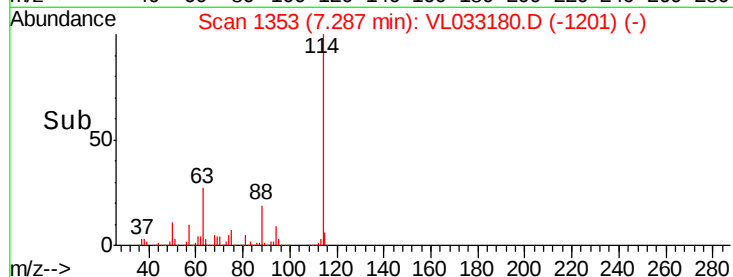
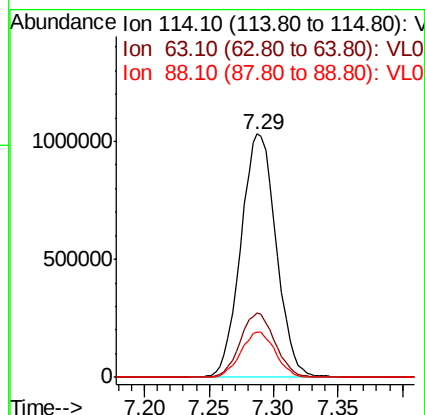
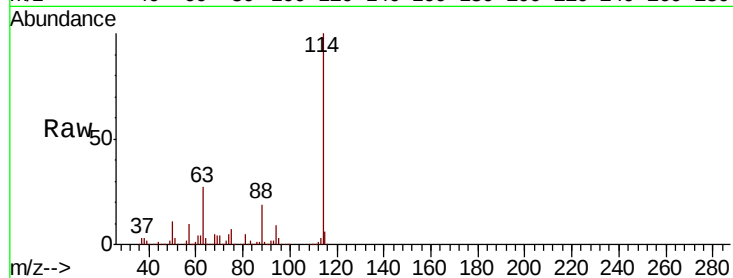




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033180.D
 Acq: 6 Feb 2019 11:57

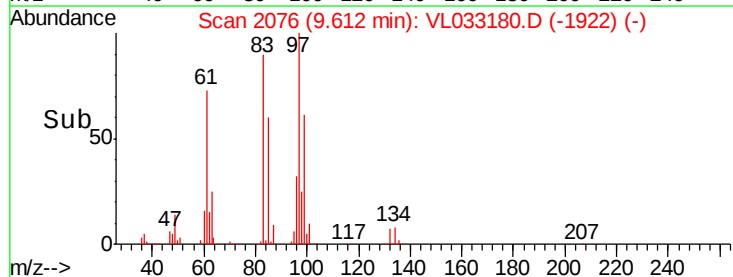
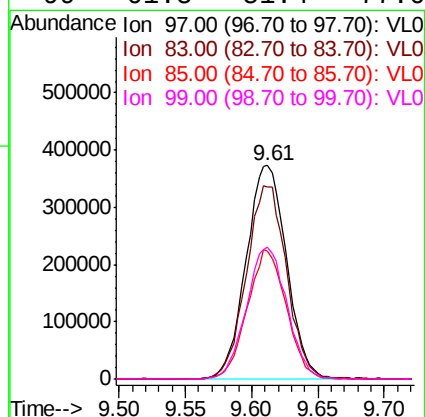
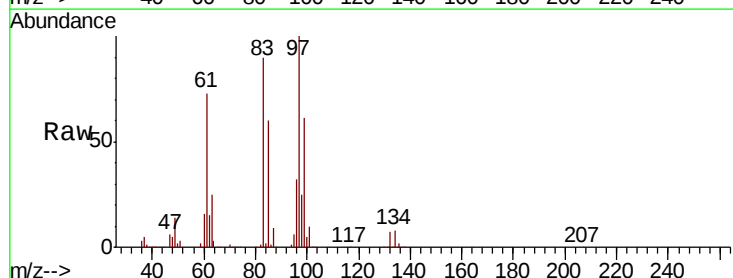
Instrument :
 MSVOA_L
 ClientSampleID :
 1000DL

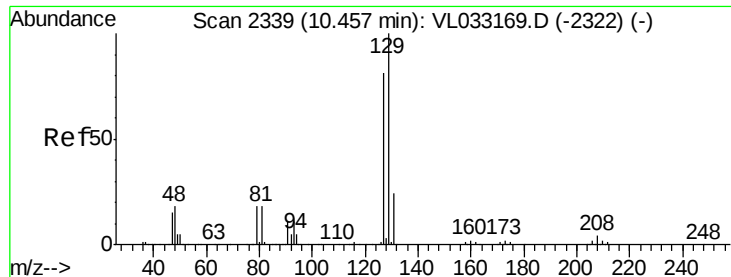
Tgt Ion: 114 Resp: 1967422
 Ion Ratio Lower Upper
 114 100
 63 26.0 20.8 31.2
 88 18.3 14.6 22.0



#47
 1,1,2-Trichloroethane
 Concen: 9.674 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. -0.01 min
 Lab File: VL033180.D
 Acq: 6 Feb 2019 11:57

Tgt Ion: 97 Resp: 790036
 Ion Ratio Lower Upper
 97 100
 83 89.9 71.4 107.2
 85 59.6 43.5 65.3
 99 61.5 51.4 77.0





#48

Dibromochloromethane

Concen: 8.749 ppbv

RT: 10.45 min Scan# 2336

Delta R.T. -0.01 min

Lab File: VL033180.D

Acq: 6 Feb 2019 11:57

Instrument :

MSVOA_L

ClientSampleId :

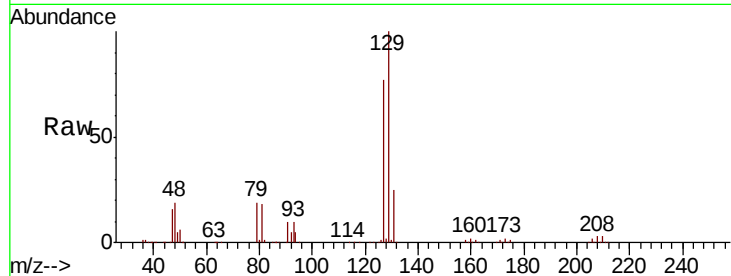
1000DL

Tgt Ion:129 Resp: 1125639

Ion Ratio Lower Upper

129 100

127 78.5 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.45

600000

500000

400000

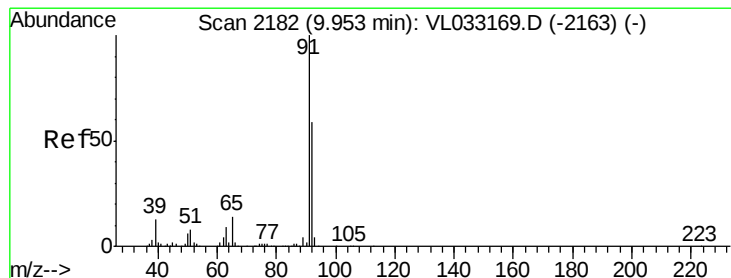
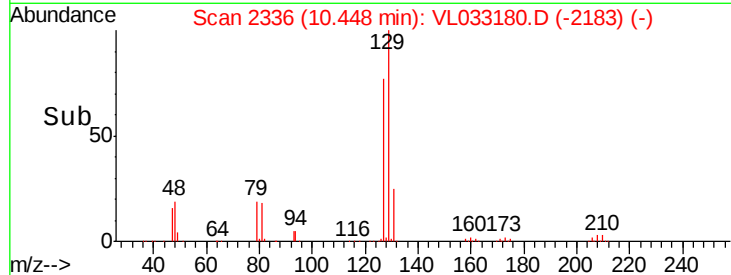
300000

200000

100000

0

Time-->



#53

Toluene

Concen: 7.445 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. -0.01 min

Lab File: VL033180.D

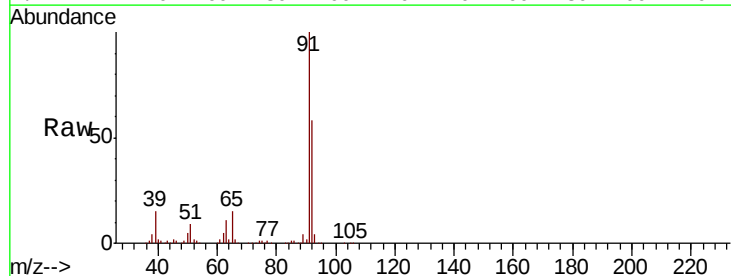
Acq: 6 Feb 2019 11:57

Tgt Ion: 91 Resp: 1757938

Ion Ratio Lower Upper

91 100

92 59.5 48.0 72.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

1000000

800000

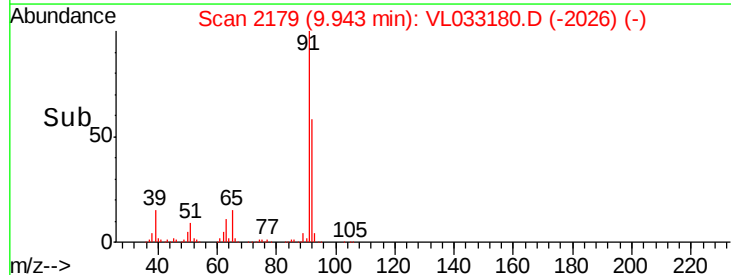
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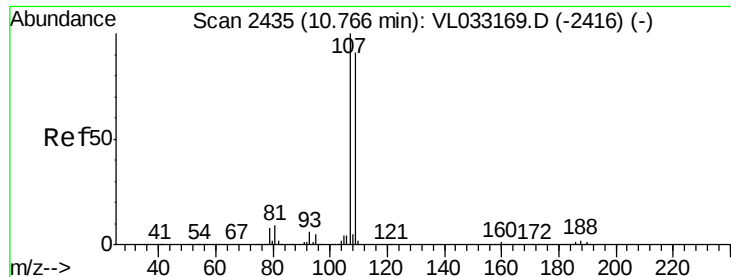
400000

200000

0

Time-->





#54

1,2-Dibromoethane

Concen: 9.241 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. -0.01 min

Lab File: VL033180.D

Acq: 6 Feb 2019 11:57

Instrument :

MSVOA_L

ClientSampleId :

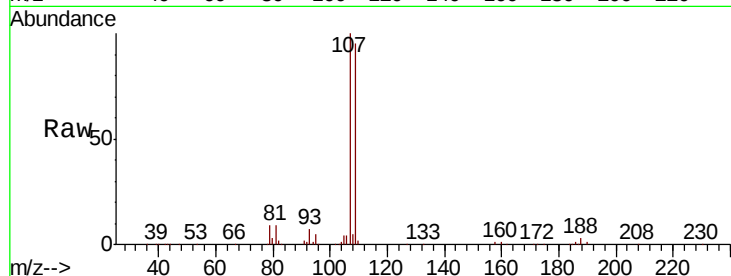
1000DL

Tgt Ion:107 Resp: 1184198

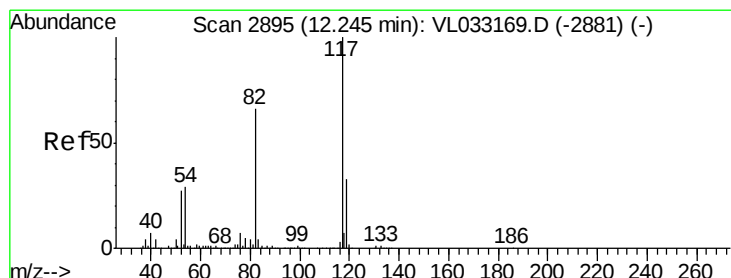
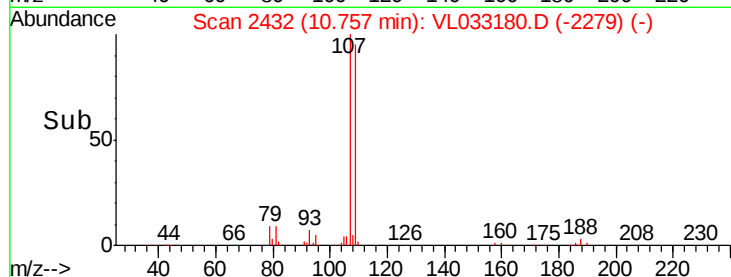
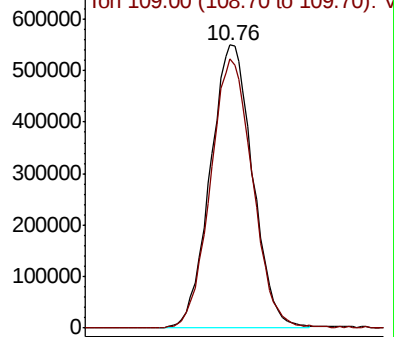
Ion Ratio Lower Upper

107 100

109 94.9 73.2 109.8



Abundance Ion 107.00 (106.70 to 107.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033180.D

Acq: 6 Feb 2019 11:57

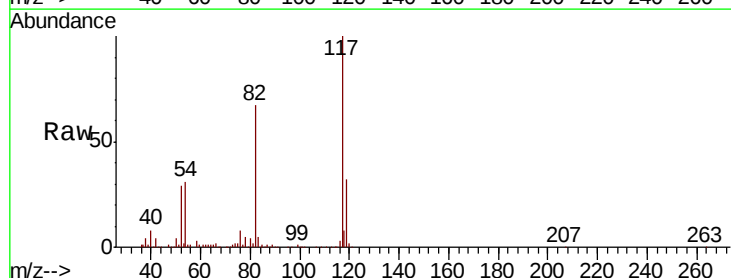
Tgt Ion:117 Resp: 2237550

Ion Ratio Lower Upper

117 100

82 66.7 53.8 80.8

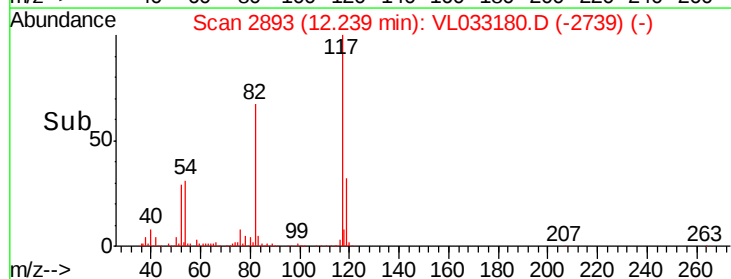
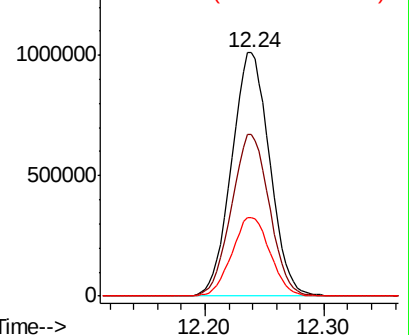
119 32.7 46.9 70.3#

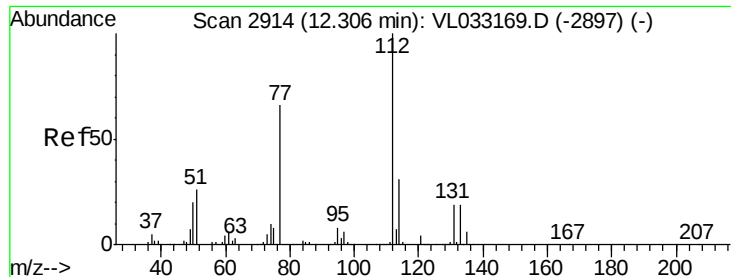


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V

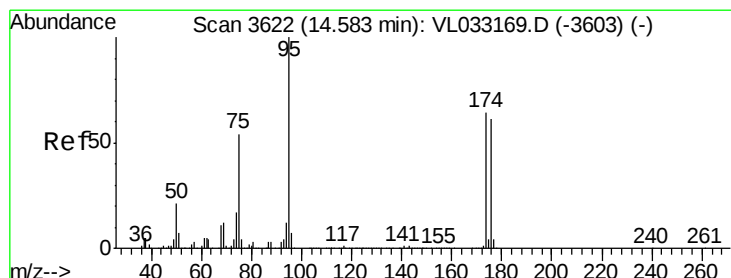
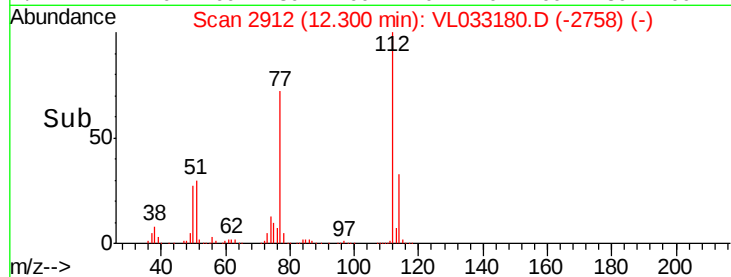
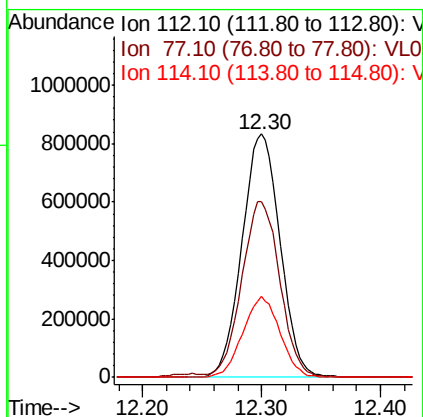
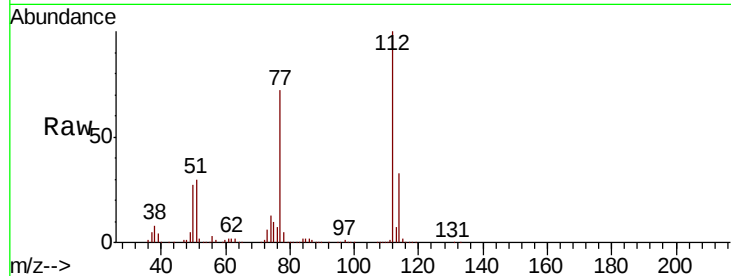




#57
Chlorobenzene
Concen: 9.334 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL033180.D
Acq: 6 Feb 2019 11:57

Instrument :
MSVOA_L
ClientSampled :
1000DL

Tgt Ion: 112 Resp: 1847949
Ion Ratio Lower Upper
112 100
77 71.9 54.0 81.0
114 32.9 27.9 34.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.560 ppbv
RT: 14.57 min Scan# 3619
Delta R.T. -0.01 min
Lab File: VL033180.D
Acq: 6 Feb 2019 11:57

Tgt Ion: 95 Resp: 1841465
Ion Ratio Lower Upper
95 100
174 63.8 51.1 76.7
175 4.6 3.8 5.6

