

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032361.D
 Acq On : 15 Aug 2018 21:12
 Operator : SY/AP
 Sample : J4266-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1000DL

Quant Time: Aug 16 06:58:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	2420310	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	4685332	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	4483849	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	3505273	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

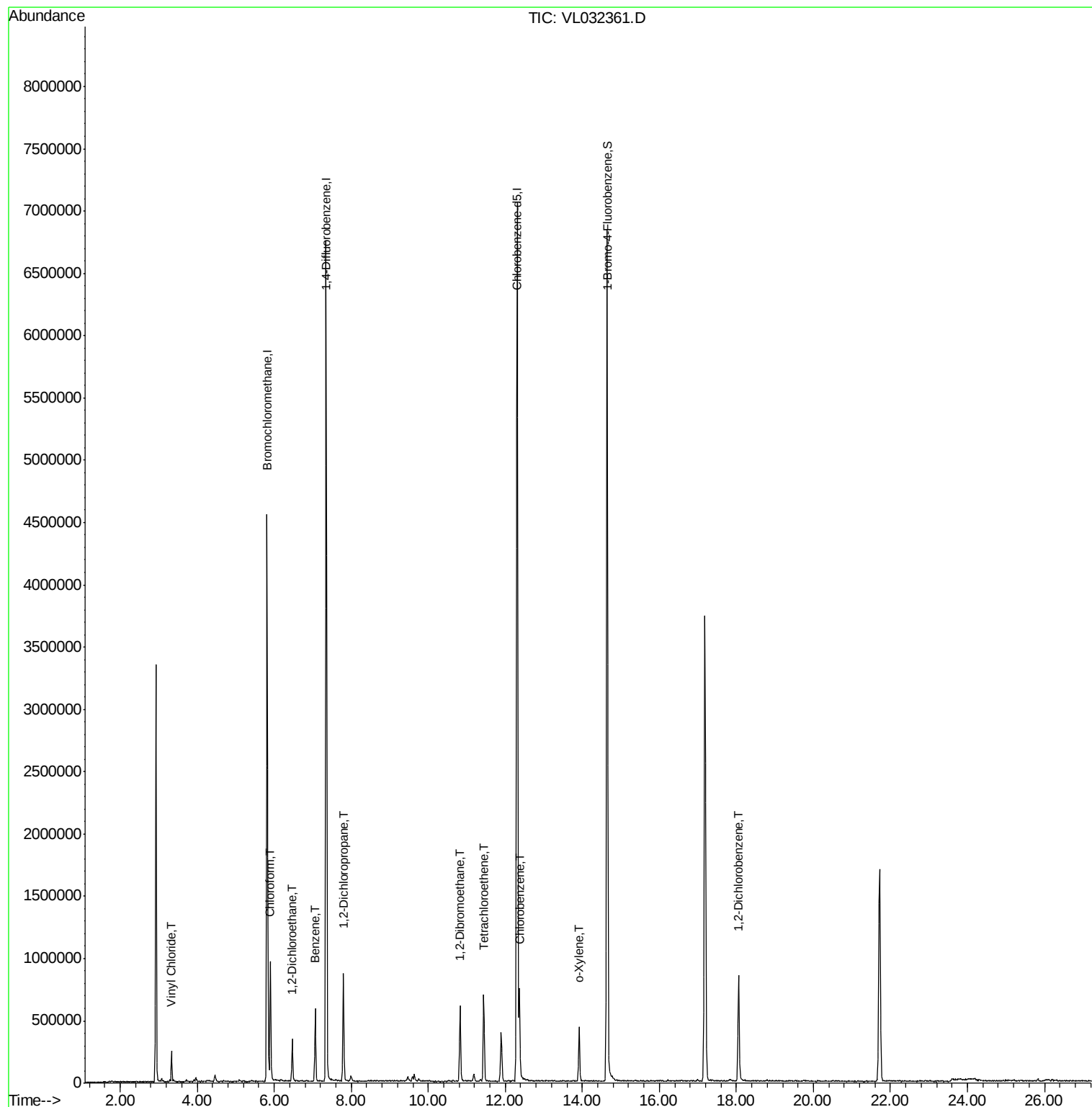
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.33	62	207770	1.63	ppbv	96
29) Chloroform	5.90	83	665662	2.07	ppbv	97
36) Benzene	7.06	78	461127	1.16	ppbv	99
37) 1,2-Dichloroethane	6.47	62	265624	1.10	ppbv	100
39) 1,2-Dichloropropane	7.80	63	317588	1.91	ppbv	97
52) Tetrachloroethene	11.44	164	162177	1.38	ppbv	92
54) 1,2-Dibromoethane	10.82	107	494285	2.11	ppbv	97
57) Chlorobenzene	12.37	112	415838	1.23	ppbv #	92
60) o-Xylene	13.92	91	304464	0.68	ppbv	98
77) 1,2-Dichlorobenzene	18.06	146	432326	1.46	ppbv	98

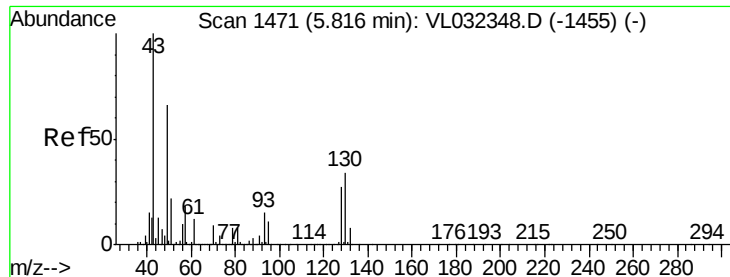
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081518\
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QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

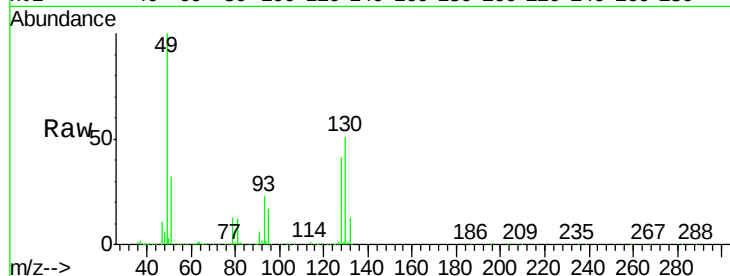
Lab File: VL032361.D

Acq: 15 Aug 2018 21:12

Instrument :
MSVOA_L
ClientSampleId :
1000DL

Tot Ion: 49 Resp: 2420310

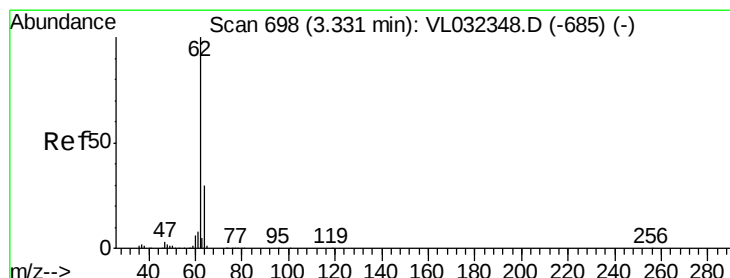
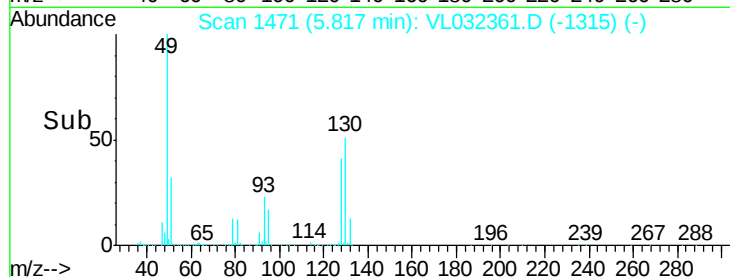
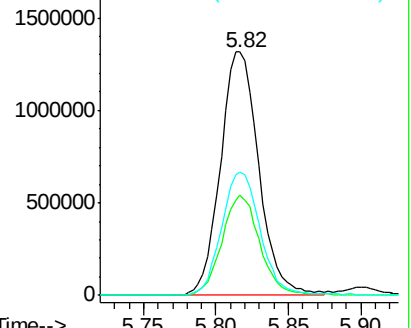
Ion	Ratio	Lower	Upper
49	100		
128	41.0	20.5	61.6
130	51.9	26.2	78.5



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: 1.63 ppbv

RT: 3.33 min Scan# 698

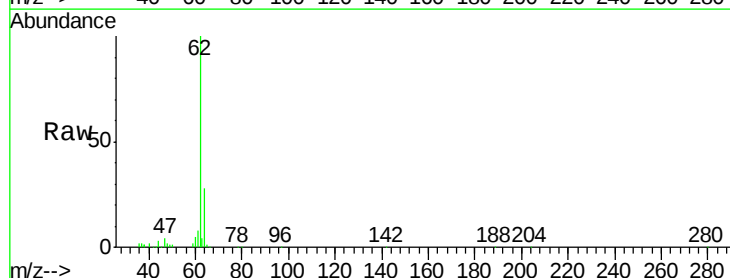
Delta R.T. 0.00 min

Lab File: VL032361.D

Acq: 15 Aug 2018 21:12

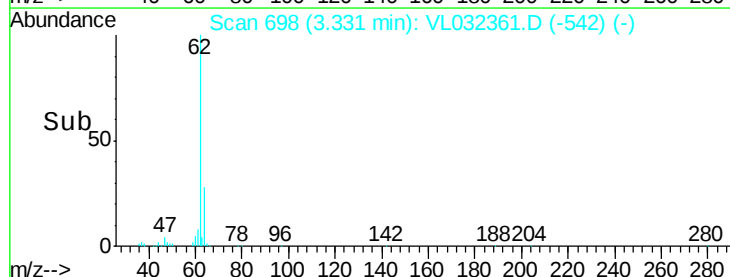
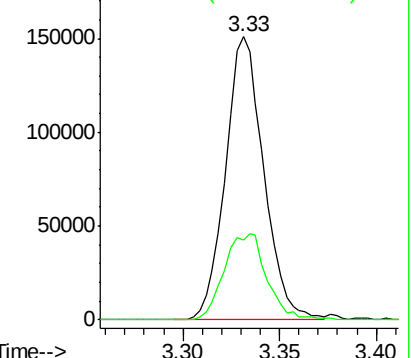
Tgt Ion: 62 Resp: 207770

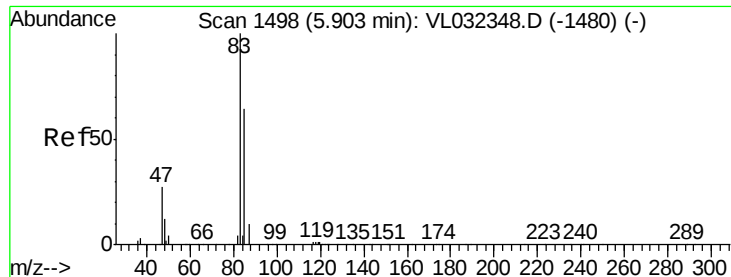
Ion	Ratio	Lower	Upper
62	100		
64	28.1	24.2	36.2



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

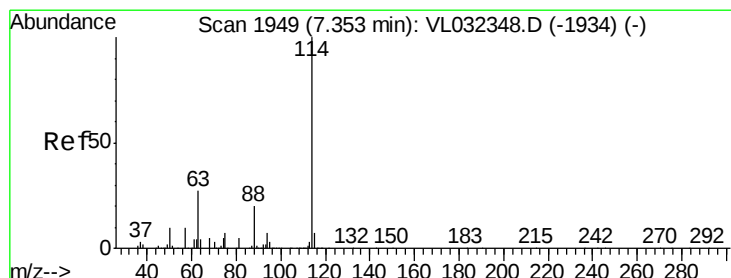
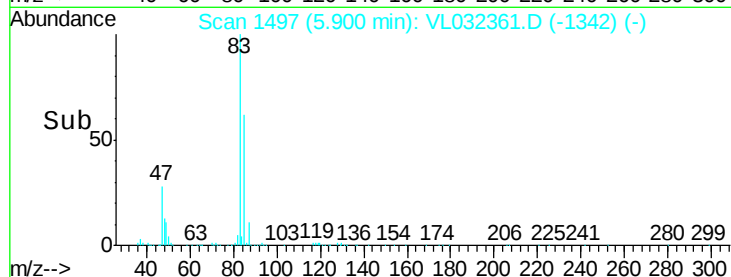
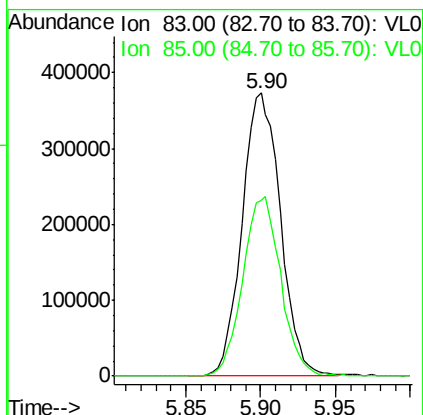
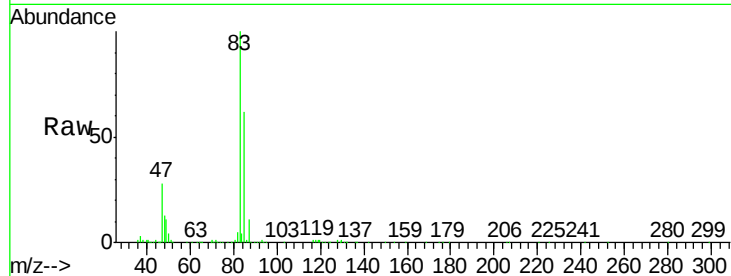




#29
Chloroform
Concen: 2.07 ppbv
RT: 5.90 min Scan# 1497
Delta R.T. -0.00 min
Lab File: VL032361.D
Acq: 15 Aug 2018 21:12

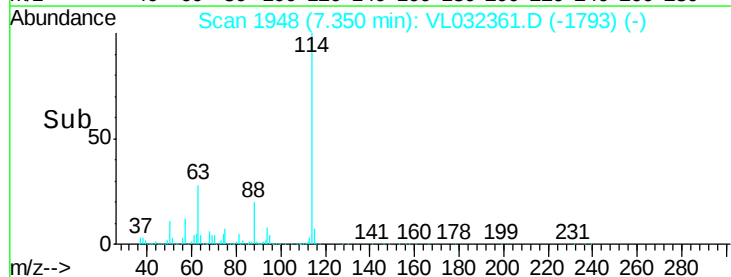
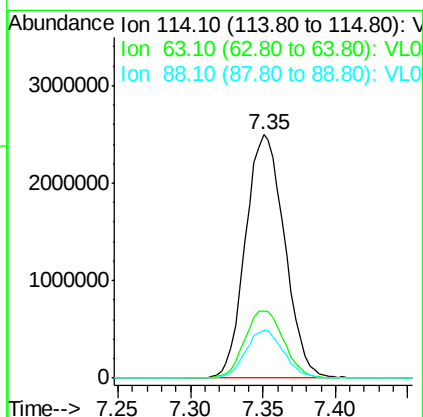
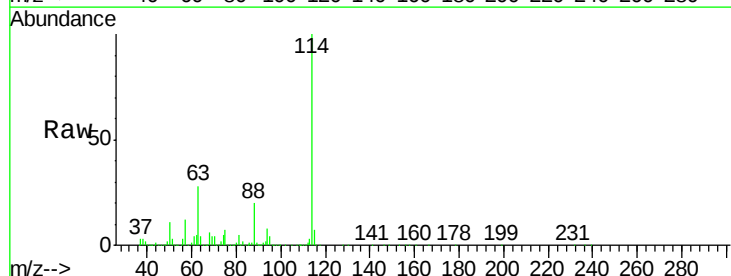
Instrument :
MSVOA_L
ClientSampleId :
1000DL

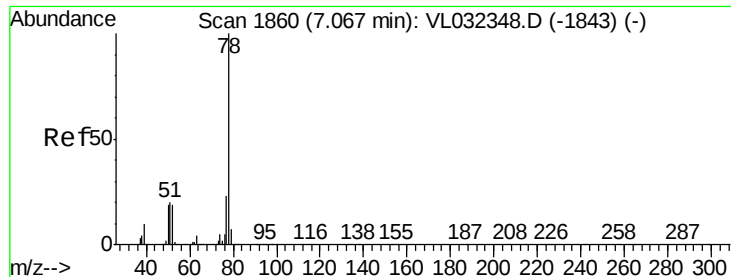
Tot Ion: 83 Resp: 665662
Ion Ratio Lower Upper
83 100
85 61.9 51.6 77.4



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.35 min Scan# 1948
Delta R.T. -0.00 min
Lab File: VL032361.D
Acq: 15 Aug 2018 21:12

Tgt Ion: 114 Resp: 4685332
Ion Ratio Lower Upper
114 100
63 28.1 22.0 33.0
88 19.2 15.3 22.9





#36

Benzene

Concen: 1.16 ppbv

RT: 7.06 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL032361.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_L

ClientSampleId :

1000DL

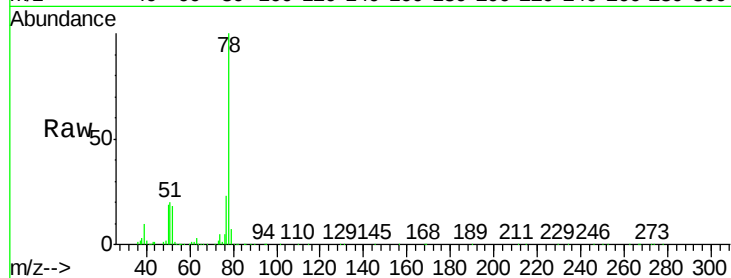
Tot Ion: 78 Resp: 461127

Ion Ratio Lower Upper

78 100

77 23.0 18.0 27.0

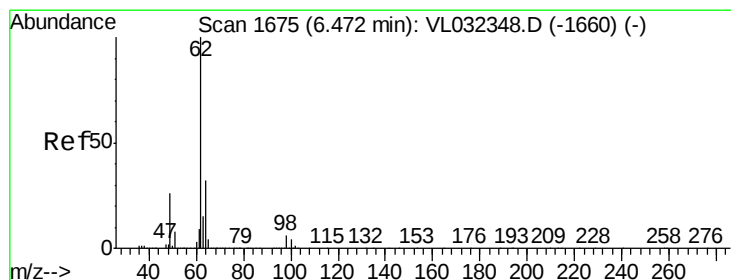
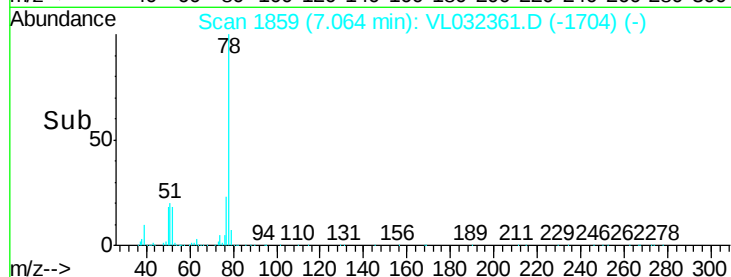
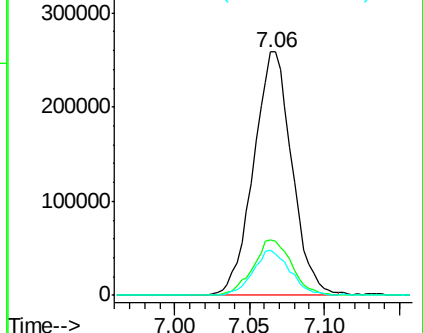
50 18.6 15.1 22.7



Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 1.10 ppbv

RT: 6.47 min Scan# 1673

Delta R.T. -0.01 min

Lab File: VL032361.D

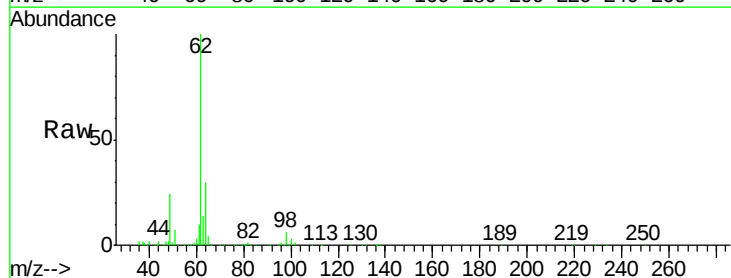
Acq: 15 Aug 2018 21:12

Tgt Ion: 62 Resp: 265624

Ion Ratio Lower Upper

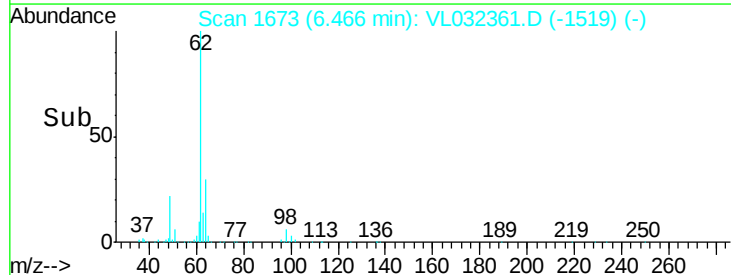
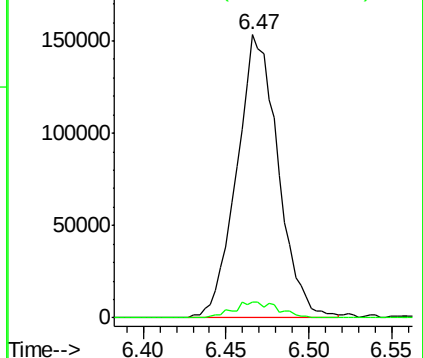
62 100

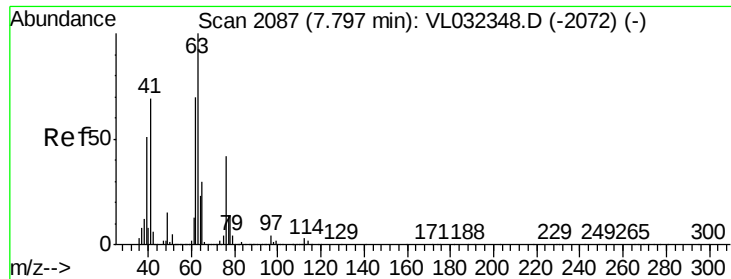
98 6.2 5.0 7.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

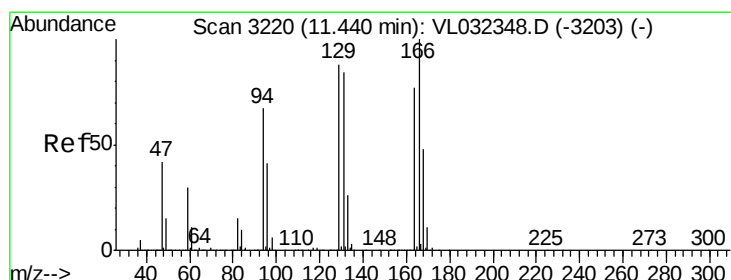
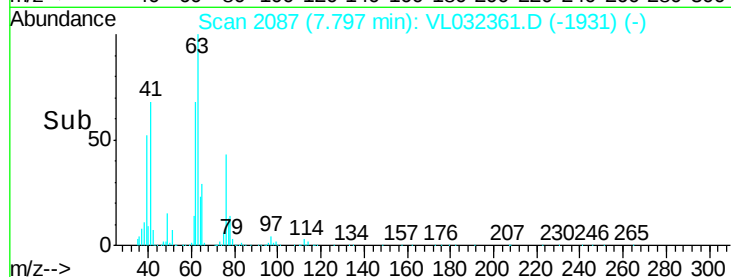
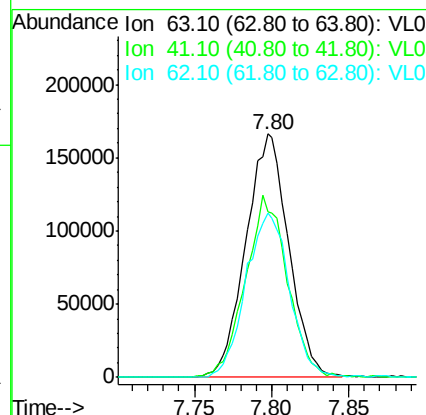
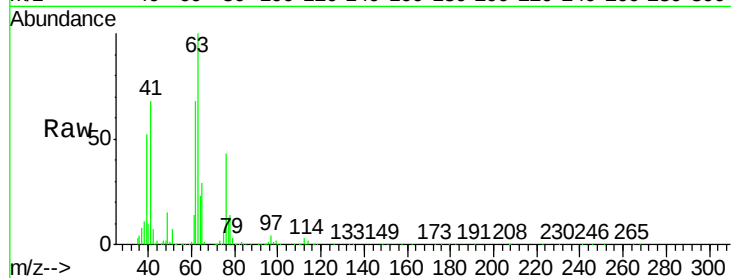




#39
 1,2-Dichloropropane
 Concen: 1.91 ppbv
 RT: 7.80 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VL032361.D
 Acq: 15 Aug 2018 21:12

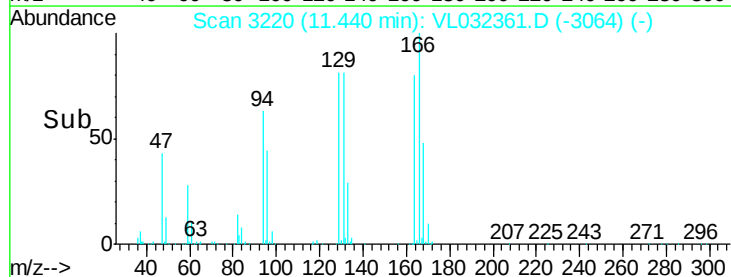
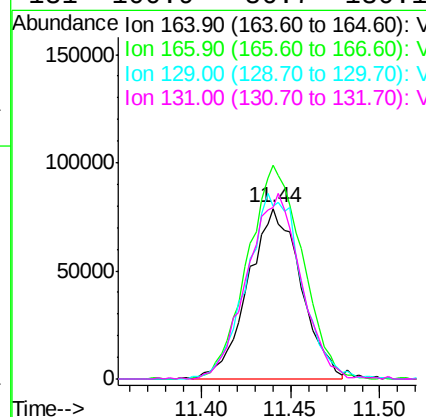
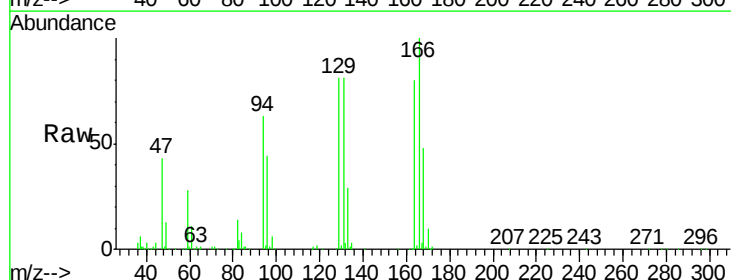
Instrument :
 MSVOA_L
 ClientSampleId :
 1000DL

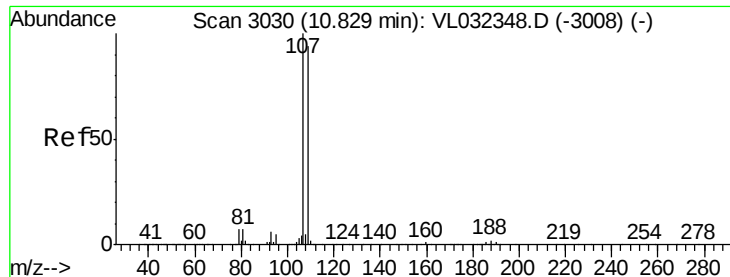
Tot Ion	Ratio	Lower	Upper
63	100		
41	68.0	55.5	83.3
62	67.5	56.3	84.5



#52
 Tetrachloroethene
 Concen: 1.38 ppbv
 RT: 11.44 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VL032361.D
 Acq: 15 Aug 2018 21:12

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.8	103.5	155.3
129	100.0	90.9	136.3
131	100.9	86.7	130.1

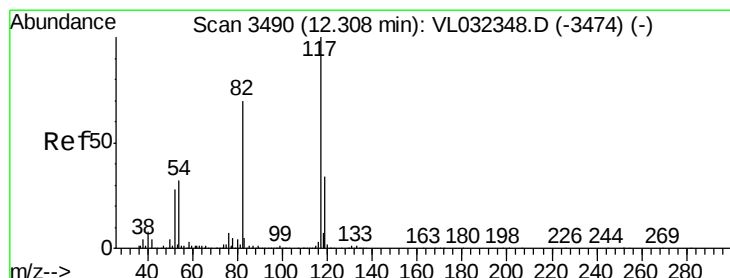
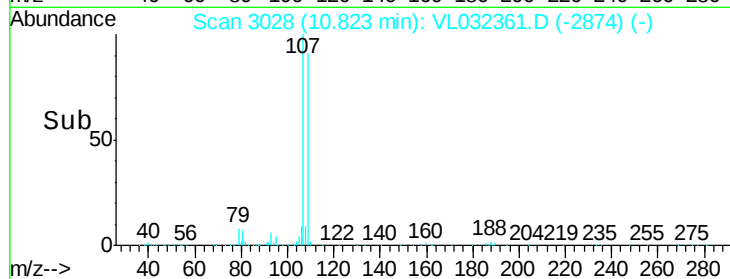
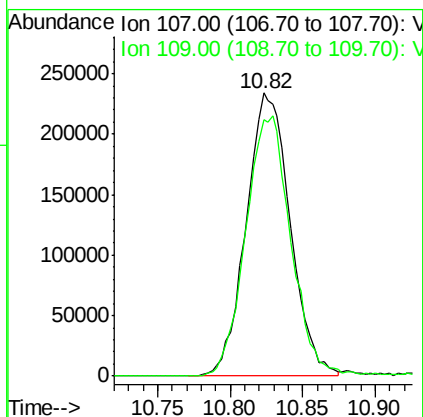
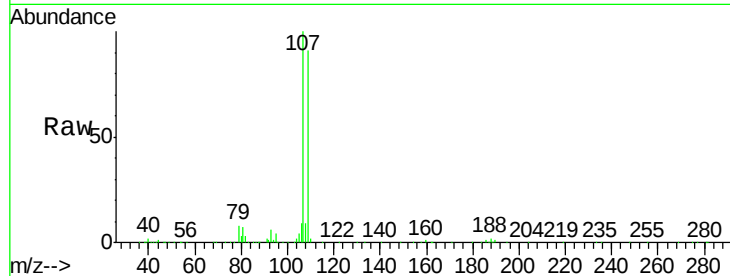




#54
 1,2-Dibromoethane
 Concen: 2.11 ppbv
 RT: 10.82 min Scan# 3028
 Delta R.T. -0.01 min
 Lab File: VL032361.D
 Acq: 15 Aug 2018 21:12

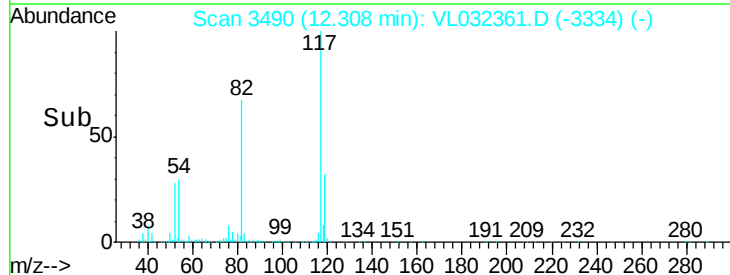
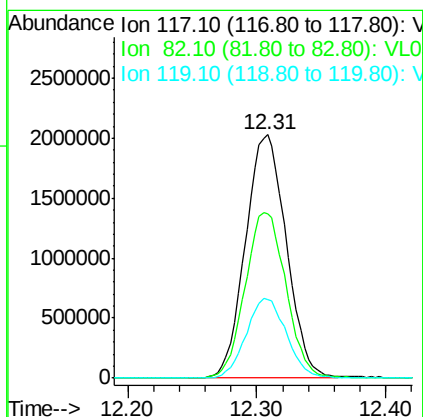
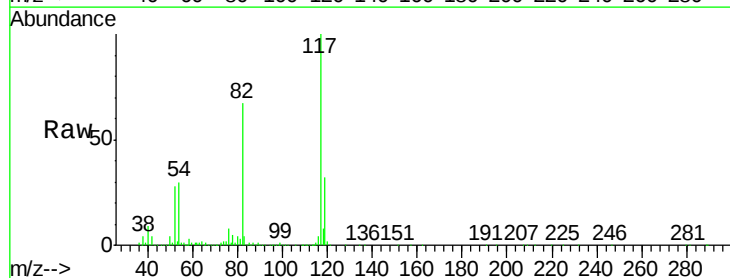
Instrument :
 MSVOA_L
 ClientSampleId :
 1000DL

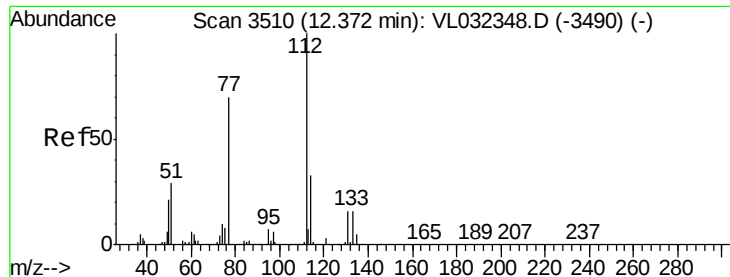
Tot Ion:107 Resp: 494285
 Ion Ratio Lower Upper
 107 100
 109 90.5 74.9 112.3



#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.31 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VL032361.D
 Acq: 15 Aug 2018 21:12

Tgt Ion:117 Resp: 4483849
 Ion Ratio Lower Upper
 117 100
 82 68.4 55.1 82.7
 119 32.4 46.0 69.0#





#57

Chlorobenzene

Concen: 1.23 ppbv

RT: 12.37 min Scan# 3508

Delta R.T. -0.01 min

Lab File: VL032361.D

Acq: 15 Aug 2018 21:12

Instrument :

MSVOA_L

ClientSampleId :

1000DL

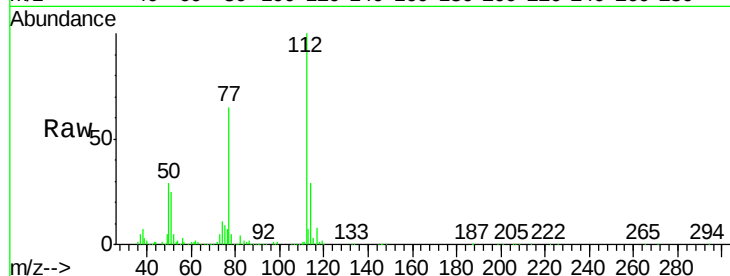
Tot Ion:112 Resp: 415838

Ion Ratio Lower Upper

112 100

77 63.8 56.6 84.8

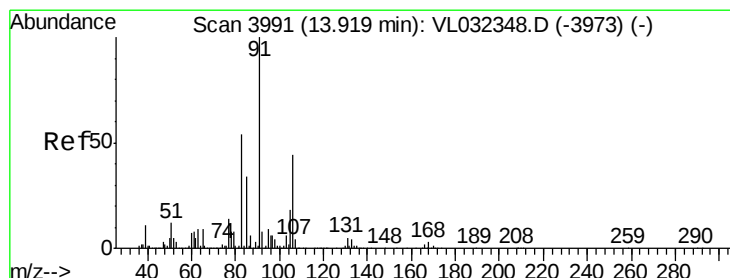
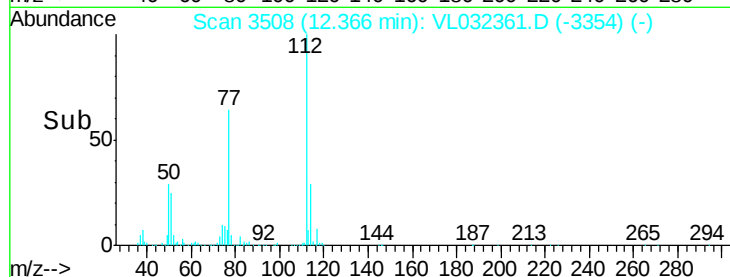
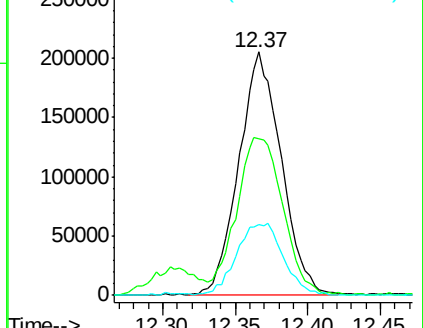
114 28.8 29.4 36.0#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#60

o-Xylene

Concen: 0.68 ppbv

RT: 13.92 min Scan# 3991

Delta R.T. 0.00 min

Lab File: VL032361.D

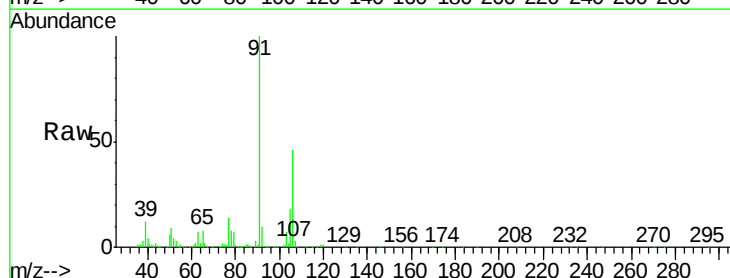
Acq: 15 Aug 2018 21:12

Tgt Ion: 91 Resp: 304464

Ion Ratio Lower Upper

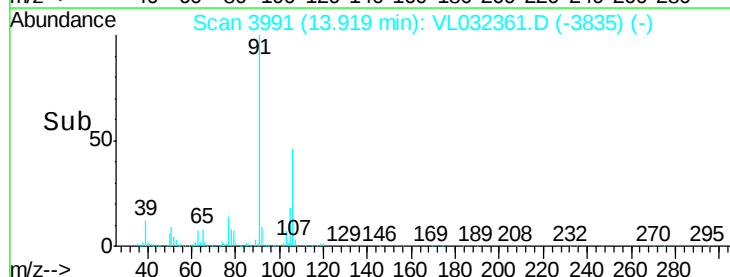
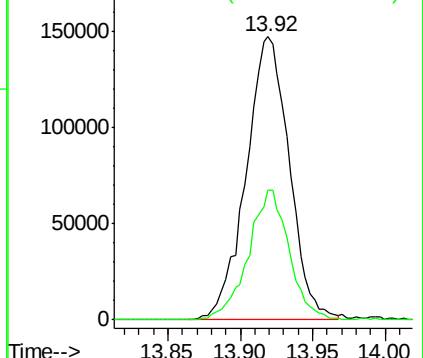
91 100

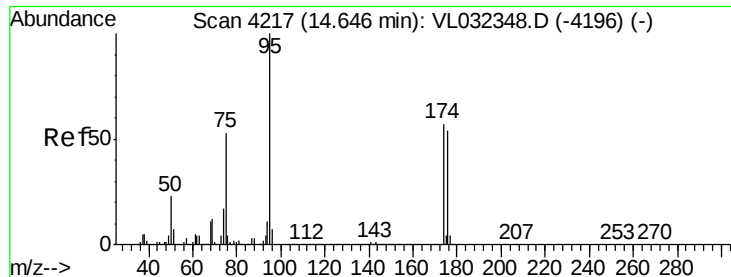
106 43.2 22.3 66.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

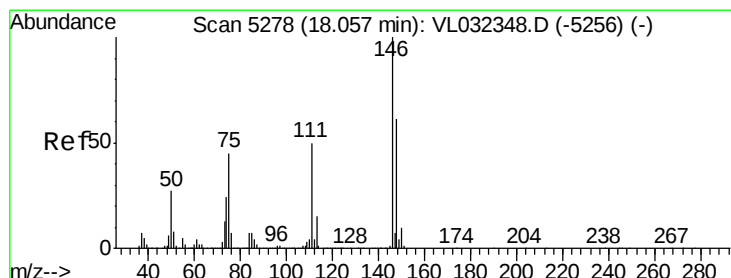
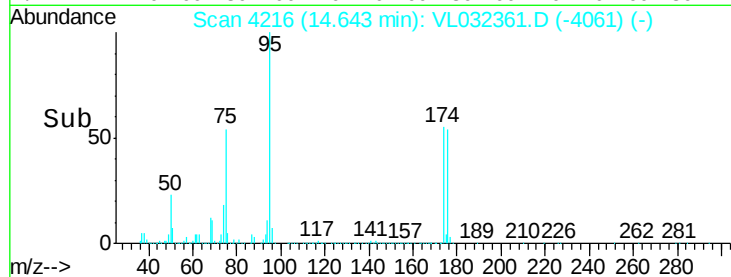
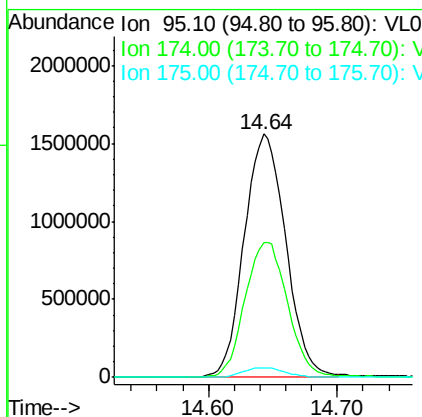
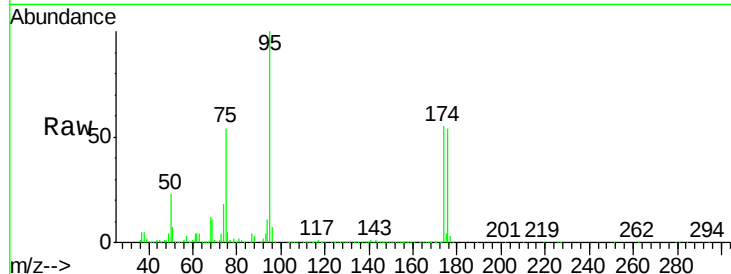




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.25 ppbv
 RT: 14.64 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: VL032361.D
 Acq: 15 Aug 2018 21:12

Instrument :
 MSVOA_L
 ClientSampleId :
 1000DL

Tot Ion: 95 Resp: 3505273
 Ion Ratio Lower Upper
 95 100
 174 57.6 46.2 69.4
 175 4.1 3.4 5.0



#77
 1,2-Dichlorobenzene
 Concen: 1.46 ppbv
 RT: 18.06 min Scan# 5279
 Delta R.T. 0.00 min
 Lab File: VL032361.D
 Acq: 15 Aug 2018 21:12

Tgt Ion: 146 Resp: 432326
 Ion Ratio Lower Upper
 146 100
 111 49.5 25.2 75.6
 148 65.5 31.8 95.4

