

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL041218\
 Data File : VL031876.D
 Acq On : 12 Apr 2018 22:03
 Operator : SY/AP
 Sample : J2191-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF1-040218DL

Quant Time: Apr 14 04:07:30 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
 QLast Update : Fri Apr 13 16:50:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.89	49	1449927	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.43	114	2935875	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2878879	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.73	95	2347680	10.14	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.40%

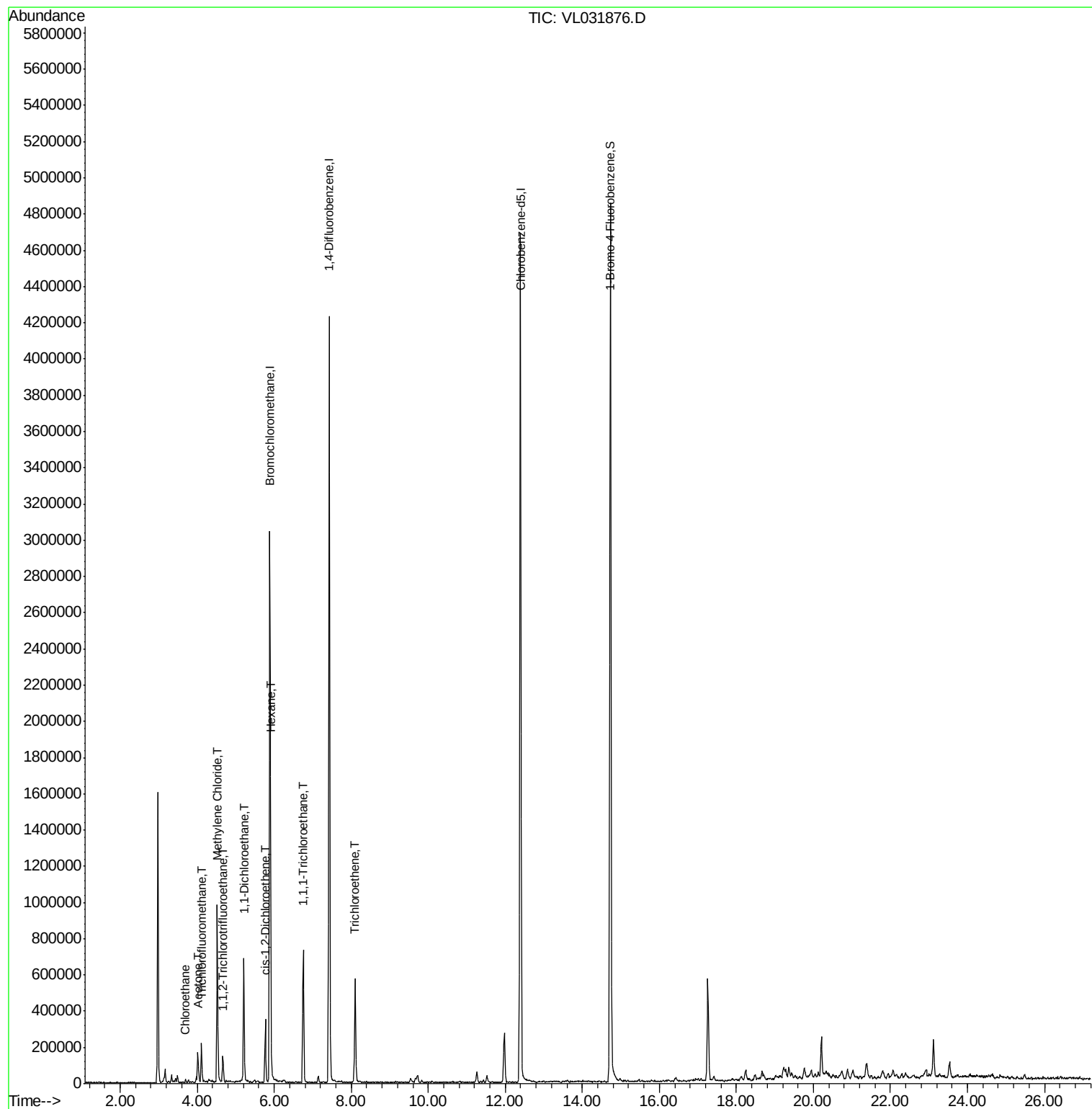
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.70	64	9911	0.256	ppbv	99
11) Trichlorofluoromethane	4.11	101	136978	0.467	ppbv	92
12) 1,1,2-Trichlorotrifluoroet	4.67	101	53148	0.279	ppbv	98
15) Acetone	4.02	43	180937	0.811	ppbv	98
20) Methylene Chloride	4.52	84	334050	4.110	ppbv	96
24) 1,1-Dichloroethane	5.21	63	558519	2.477	ppbv	100
26) Hexane	5.91	57	33885	0.209	ppbv #	41
31) cis-1,2-Dichloroethene	5.77	61	187680	1.277	ppbv	98
32) 1,1,1-Trichloroethane	6.76	97	465925	1.739	ppbv	100
38) Trichloroethene	8.10	130	161666	1.508	ppbv	94

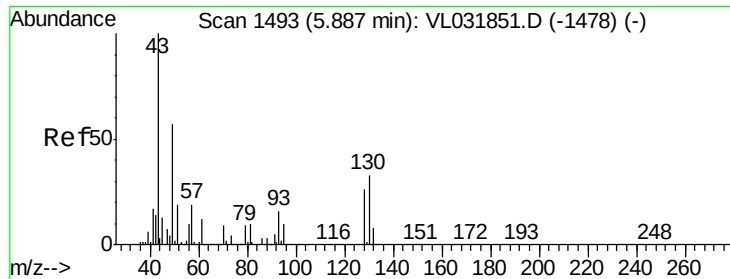
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Apr 14 04:07:30 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL041218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Apr 13 16:50:02 2018
QLast Update : Fri Apr 13 16:50:02 2018
Response via : Initial Calibration

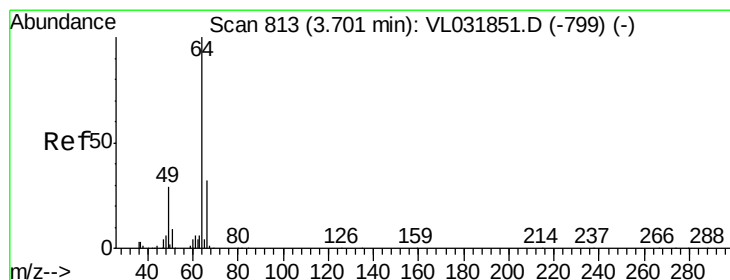
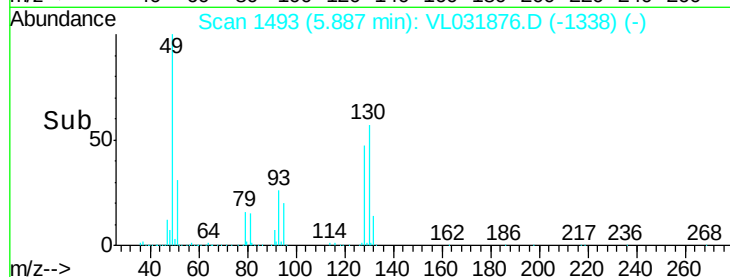
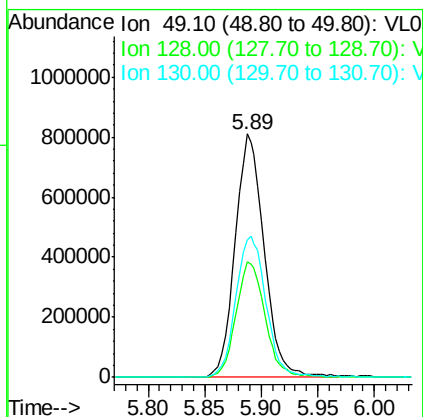
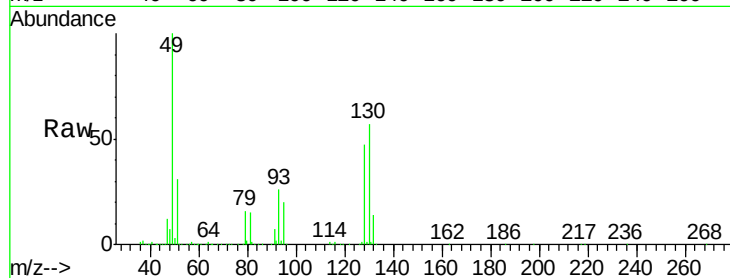




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.89 min Scan# 1493
 Delta R.T. -0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

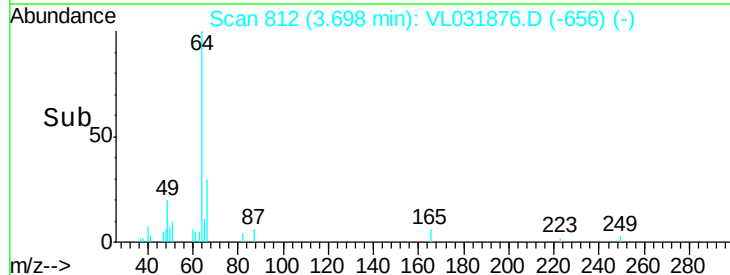
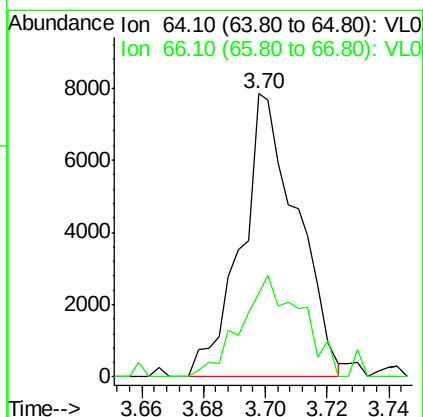
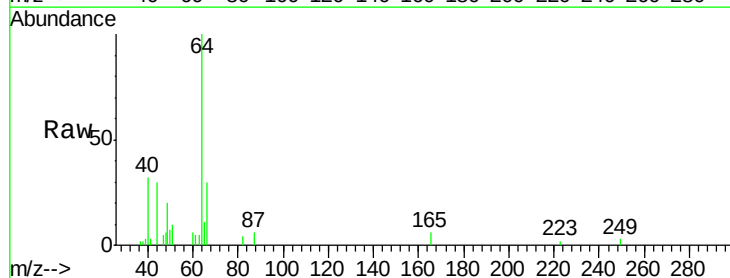
Instrument :
 MSVOA_L
 ClientSampleId :
 SVE-INF1-040218DL

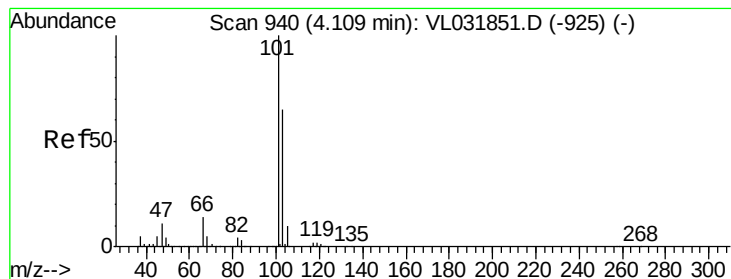
Tot Ion: 49 Resp: 1449927
 Ion Ratio Lower Upper
 49 100
 128 47.8 23.9 71.7
 130 60.5 30.9 92.7



#7
 Chloroethane
 Concen: 0.256 ppbv
 RT: 3.70 min Scan# 812
 Delta R.T. 0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

Tgt Ion: 64 Resp: 9911
 Ion Ratio Lower Upper
 64 100
 66 29.6 23.4 35.0





#11

Trichlorofluoromethane

Concen: 0.467 ppbv

RT: 4.11 min Scan# 941

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

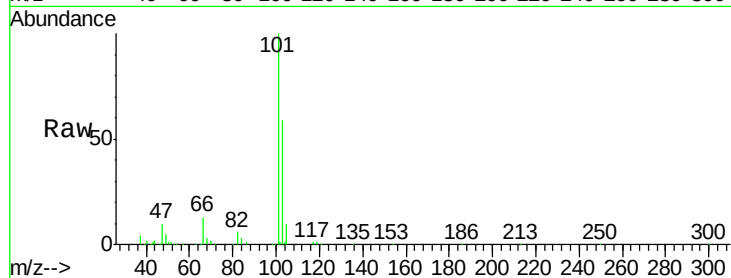
SVE-INF1-040218DL

Tot Ion:101 Resp: 136978

Ion Ratio Lower Upper

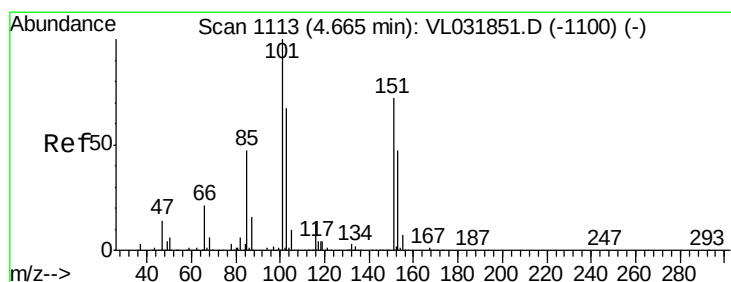
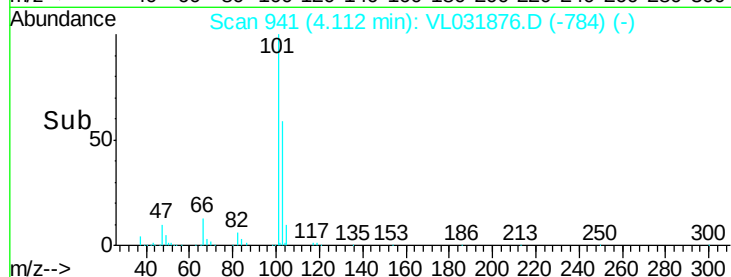
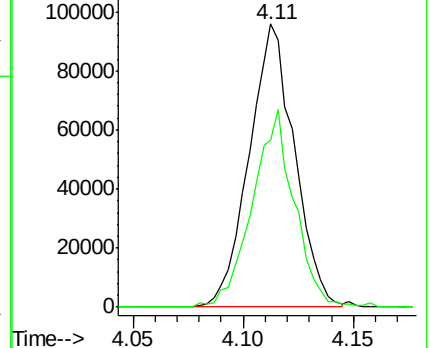
101 100

103 58.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.279 ppbv

RT: 4.67 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VL031876.D

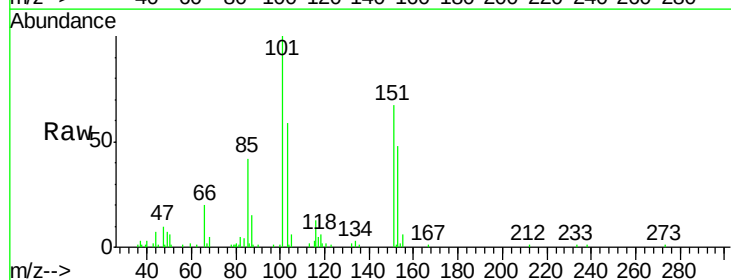
Acq: 12 Apr 2018 22:03

Tgt Ion:101 Resp: 53148

Ion Ratio Lower Upper

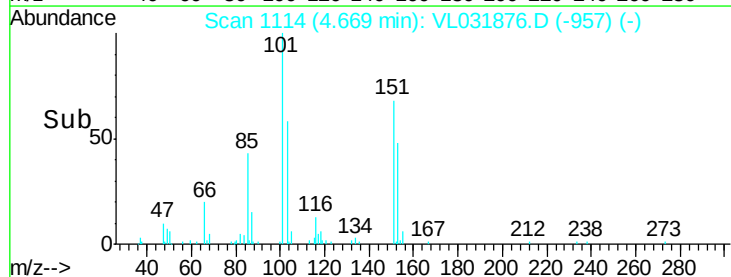
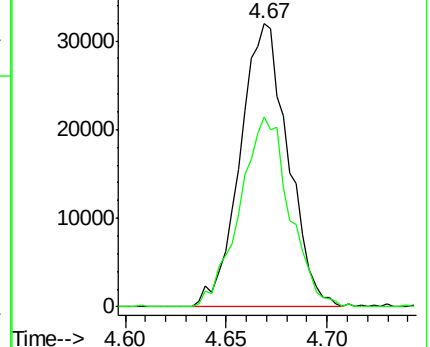
101 100

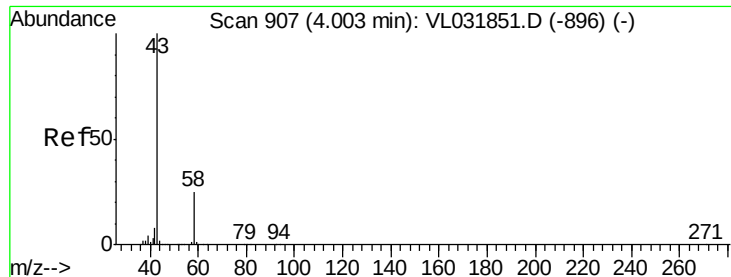
151 69.7 57.0 85.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#15

Acetone

Concen: 0.811 ppbv

RT: 4.02 min Scan# 911

Delta R.T. 0.01 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

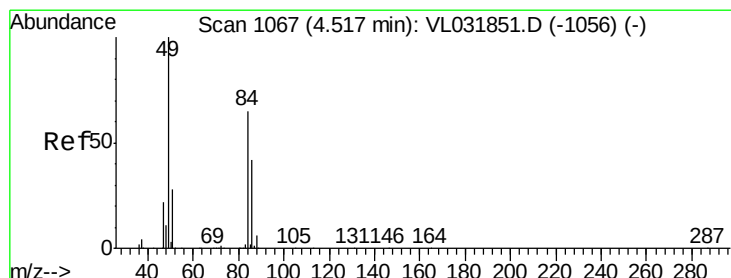
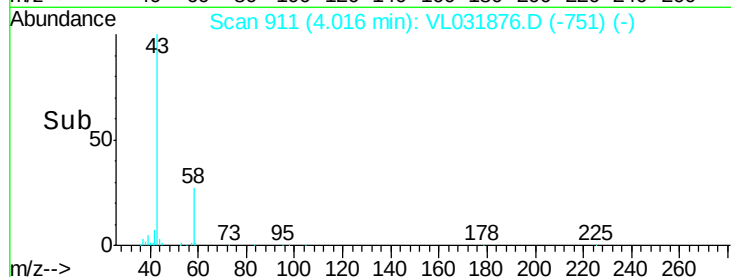
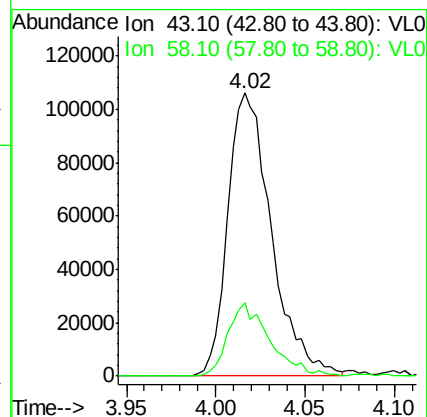
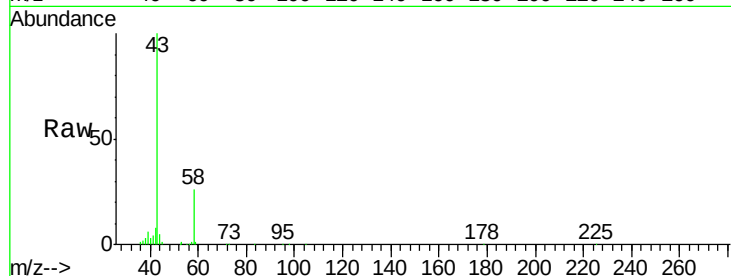
SVE-INF1-040218DL

Tot Ion: 43 Resp: 180937

Ion Ratio Lower Upper

43 100

58 25.1 20.9 31.3



#20

Methylene Chloride

Concen: 4.110 ppbv

RT: 4.52 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Tgt Ion: 84 Resp: 334050

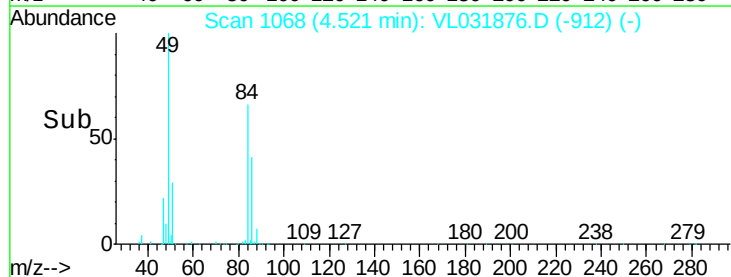
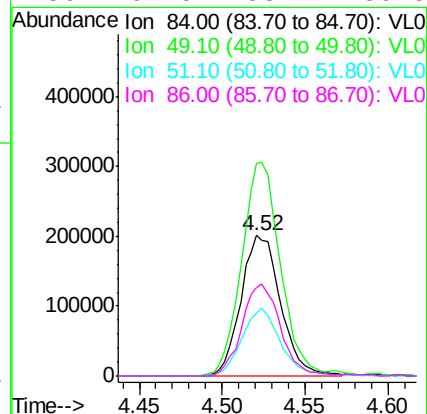
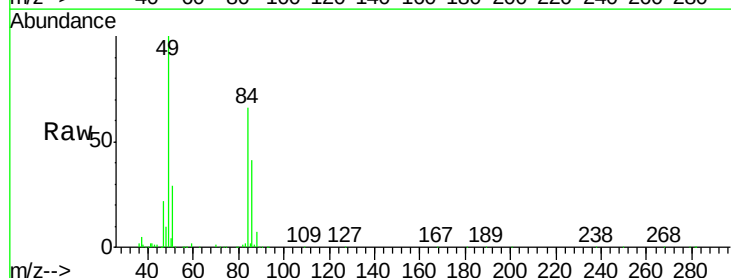
Ion Ratio Lower Upper

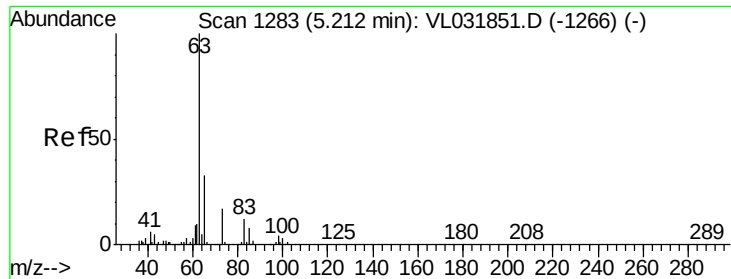
84 100

49 151.4 125.6 188.4

51 44.2 36.4 54.6

86 62.5 53.7 80.5





#24

1,1-Dichloroethane

Concen: 2.477 ppbv

RT: 5.21 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF1-040218DL

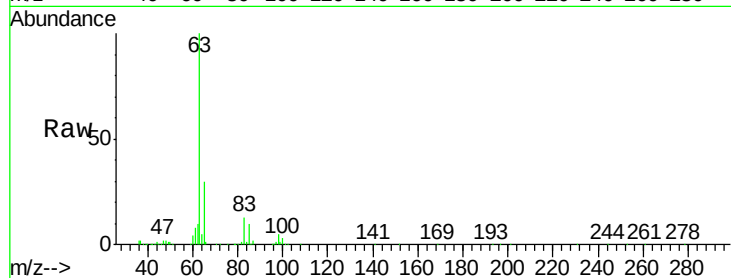
Tot Ion: 63 Resp: 558519

Ion Ratio Lower Upper

63 100

98 4.8 2.4 7.2

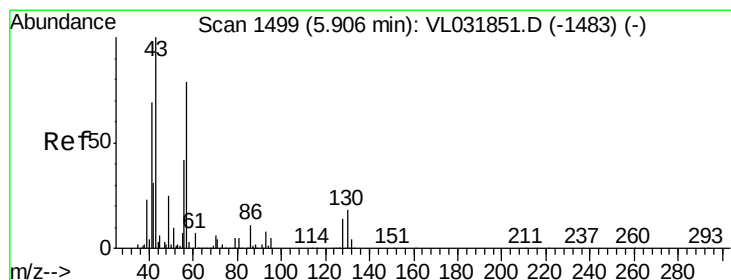
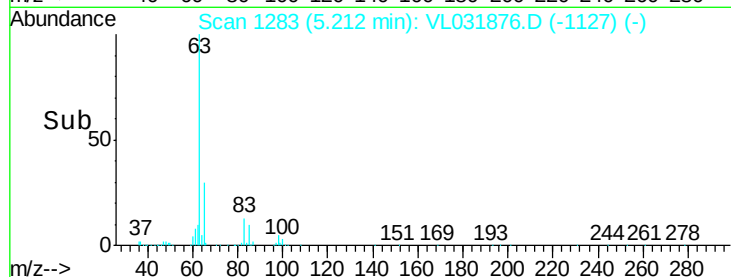
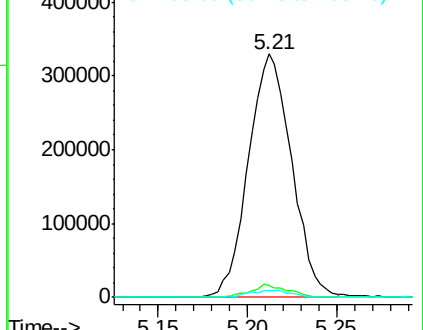
100 2.8 1.5 4.4



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: 0.209 ppbv

RT: 5.91 min Scan# 1501

Delta R.T. 0.01 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Tgt Ion: 57 Resp: 33885

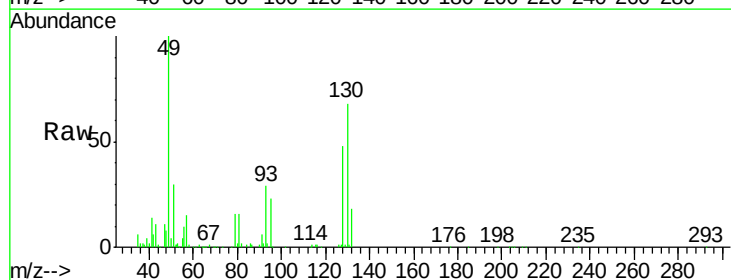
Ion Ratio Lower Upper

57 100

41 108.9 72.0 108.0#

43 81.3 169.8 254.8#

56 69.5 42.0 63.0#

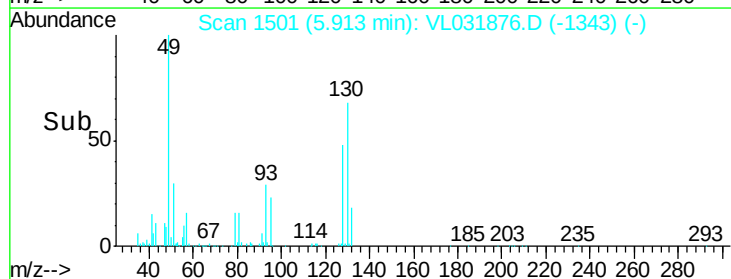
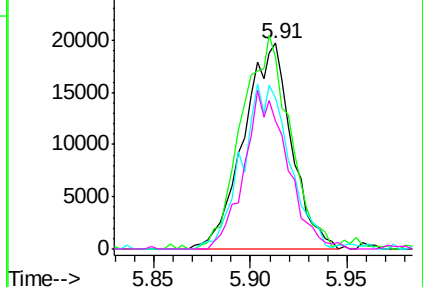


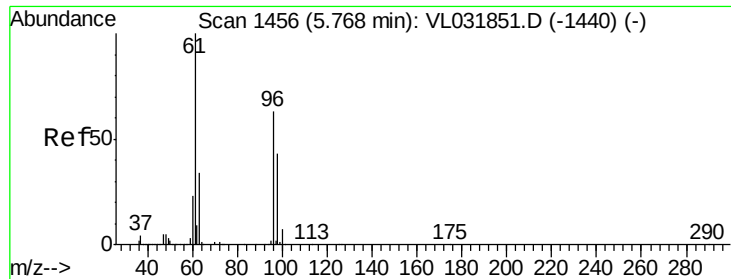
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#31

cis-1,2-Dichloroethene

Concen: 1.277 ppbv

RT: 5.77 min Scan# 1456

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

Instrument :

MSVOA_L

ClientSampleId :

SVE-INF1-040218DL

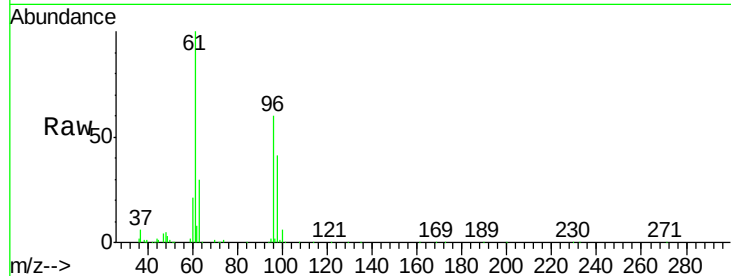
Tot Ion: 61 Resp: 187680

Ion Ratio Lower Upper

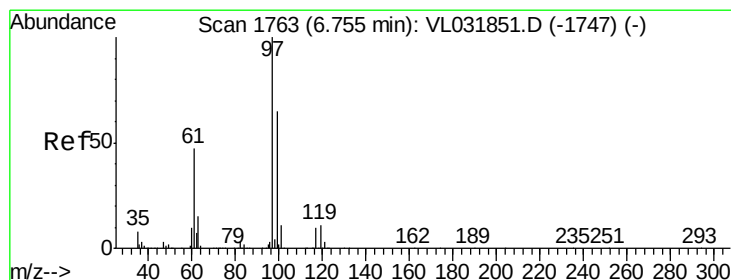
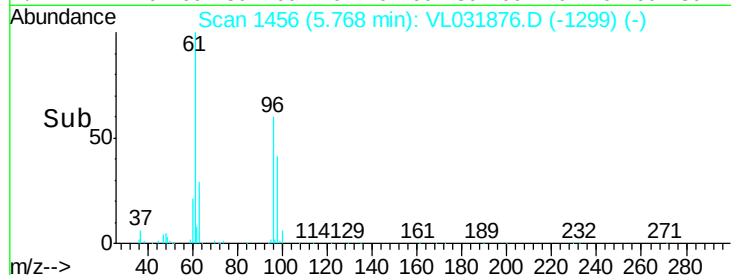
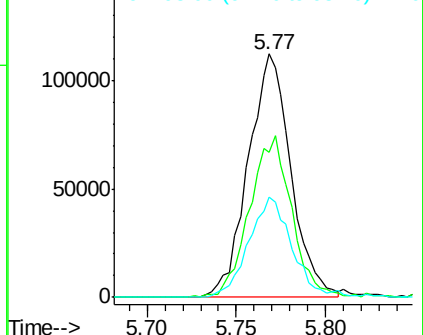
61 100

96 59.5 47.6 71.4

98 41.4 30.3 45.5



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 1.739 ppbv

RT: 6.76 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VL031876.D

Acq: 12 Apr 2018 22:03

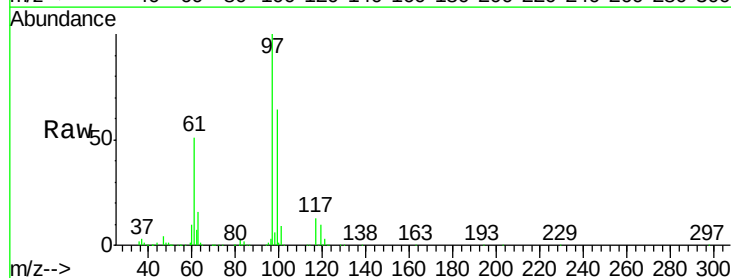
Tgt Ion: 97 Resp: 465925

Ion Ratio Lower Upper

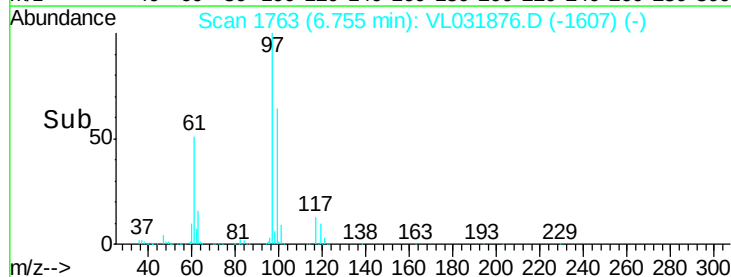
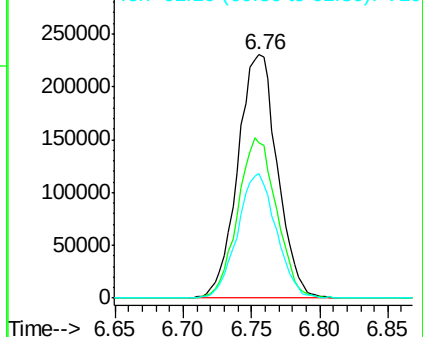
97 100

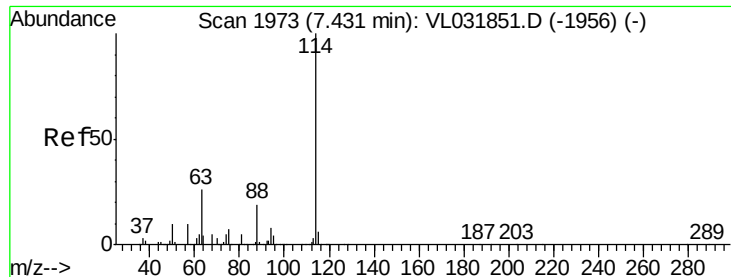
99 64.2 51.5 77.3

61 49.9 40.0 60.0



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

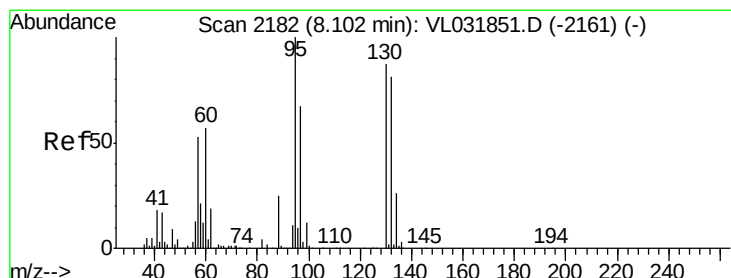
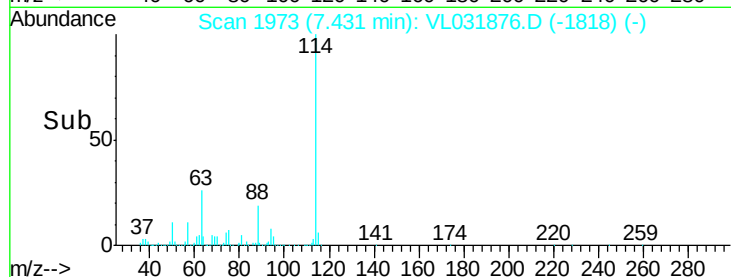
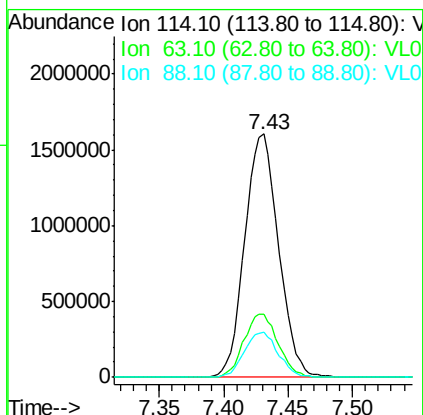
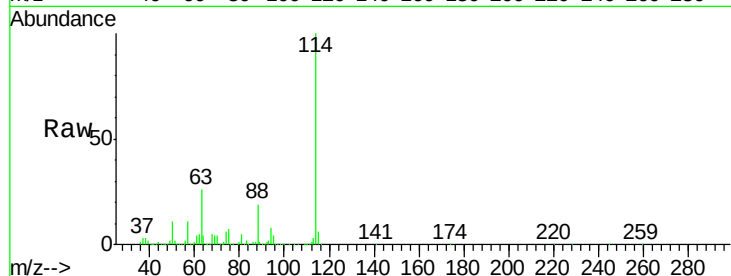




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.43 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

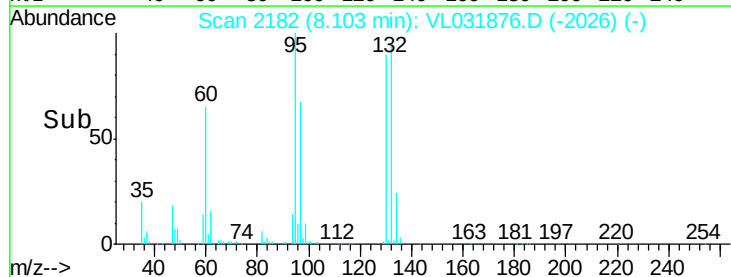
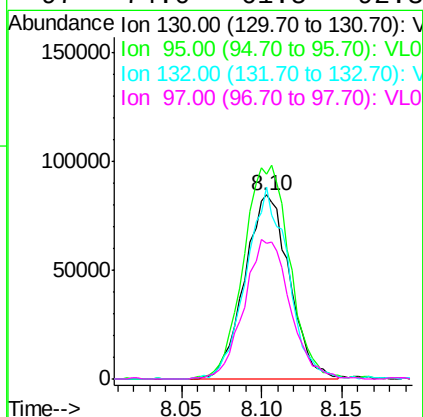
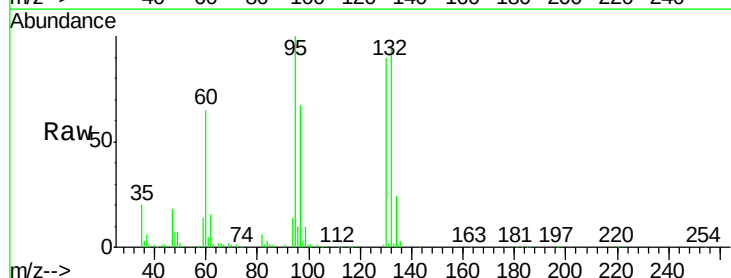
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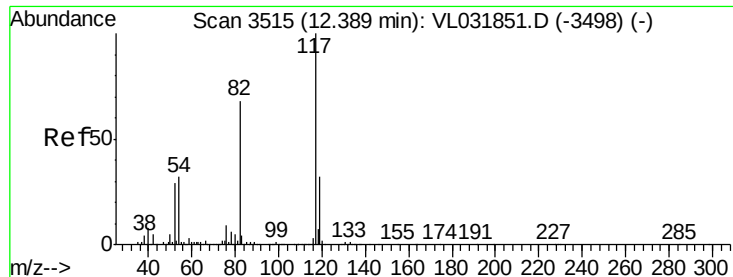
Tot Ion:114 Resp: 2935875
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.8 32.6
 88 18.6 14.6 22.0



#38
 Trichloroethene
 Concen: 1.508 ppbv
 RT: 8.10 min Scan# 2182
 Delta R.T. 0.00 min
 Lab File: VL031876.D
 Acq: 12 Apr 2018 22:03

Tgt Ion:130 Resp: 161666
 Ion Ratio Lower Upper
 130 100
 95 111.0 96.6 144.8
 132 104.3 79.1 118.7
 97 74.0 61.5 92.3

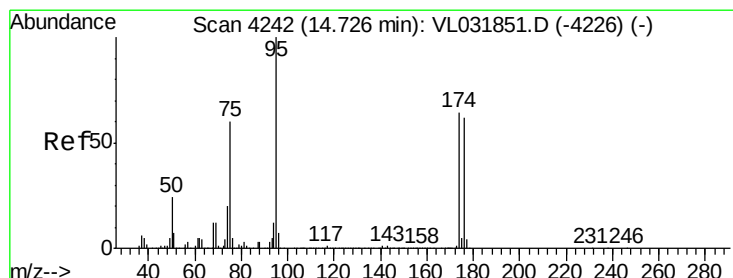
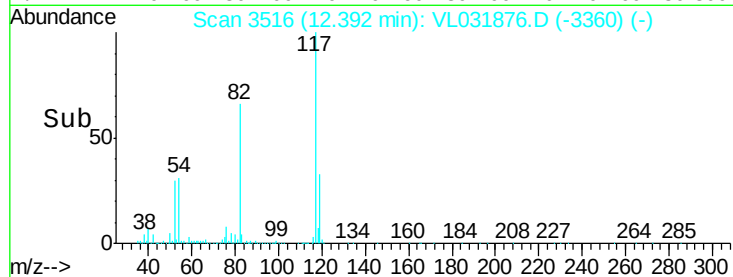
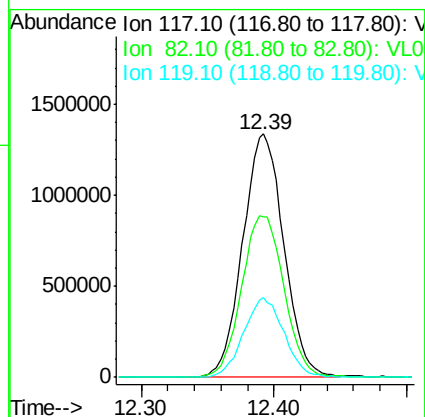
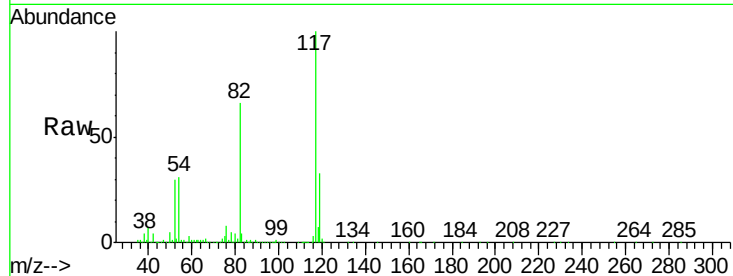




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.39 min Scan# 3516
Delta R.T. 0.00 min
Lab File: VL031876.D
Acq: 12 Apr 2018 22:03

Instrument :
MSVOA_L
ClientSampleId :
SVE-INF1-040218DL

Tot Ion:117 Resp: 2878879
Ion Ratio Lower Upper
117 100
82 68.6 54.6 81.8
119 32.5 26.0 39.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.142 ppbv
RT: 14.73 min Scan# 4243
Delta R.T. 0.00 min
Lab File: VL031876.D
Acq: 12 Apr 2018 22:03

Tgt Ion: 95 Resp: 2347680
Ion Ratio Lower Upper
95 100
174 65.2 52.3 78.5
175 4.7 3.9 5.9

