

Data File : VL032811.D
Acq On : 27 Nov 2018 17:32
Operator : SY/AP
Sample : QC112618 CAN 10439
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC112618 CAN 10439

Quant Time: Nov 28 03:14:45 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1354211	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3538029	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3271557	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2362978	9.66	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.60%

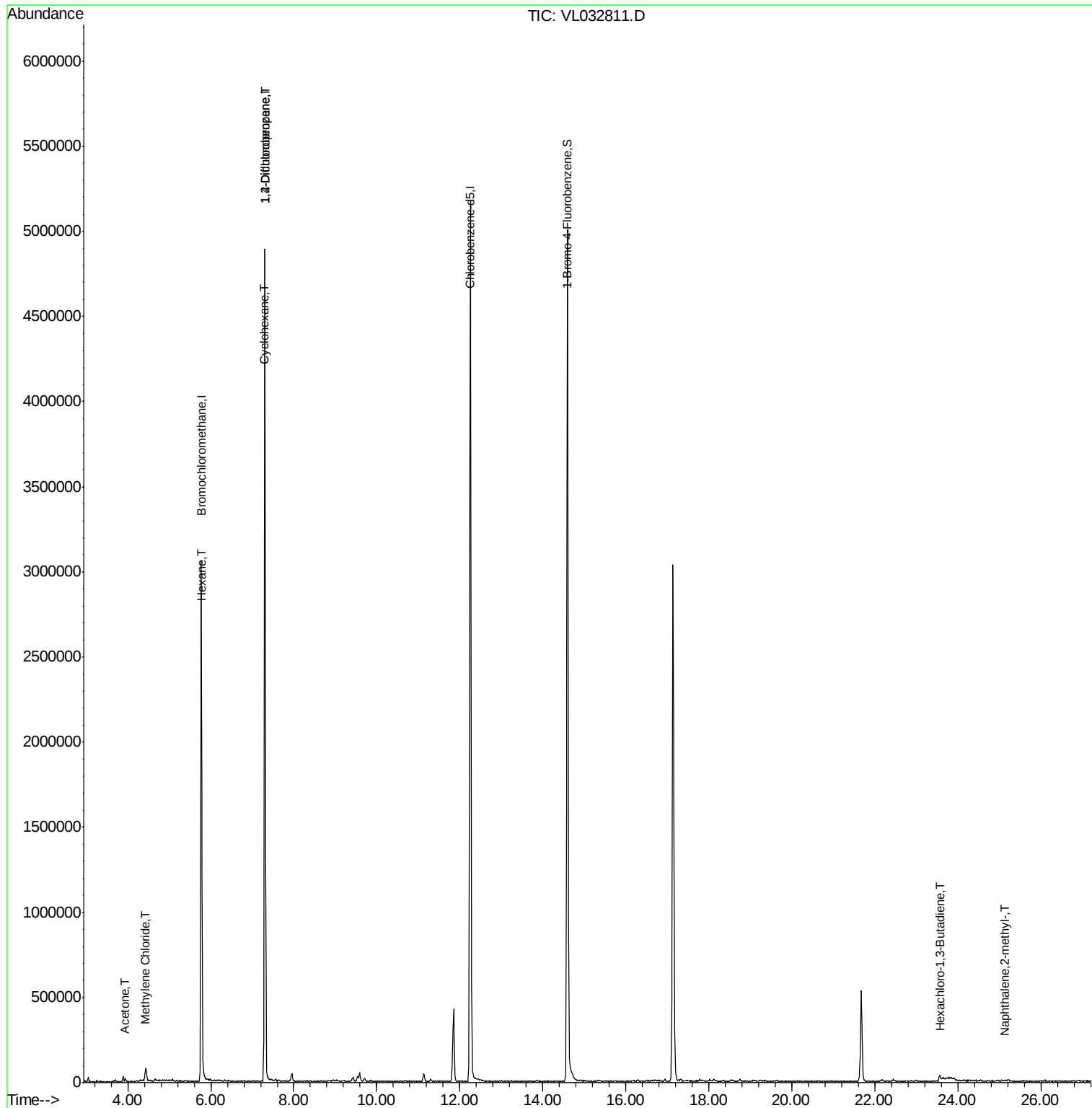
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	3.94	43	17737	0.143	ppbv #	82
20) Methylene Chloride	4.42	84	15633	0.244	ppbv #	93
26) Hexane	5.79	57	4212	0.033	ppbv #	1
30) Cyclohexane	7.28	84	4686	0.042	ppbv #	1
39) 1,2-Dichloropropane	7.30	63	859193	8.004	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.56	225	3508	0.030	ppbv #	31
80) Naphthalene,2-methyl-	25.13	142	2927	0.044	ppbv	92

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

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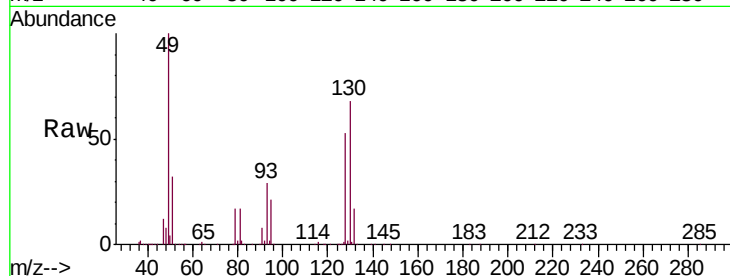
Tgt Ion: 49 Resp: 1354211

Ion Ratio Lower Upper

49 100

128 53.3 24.9 74.6

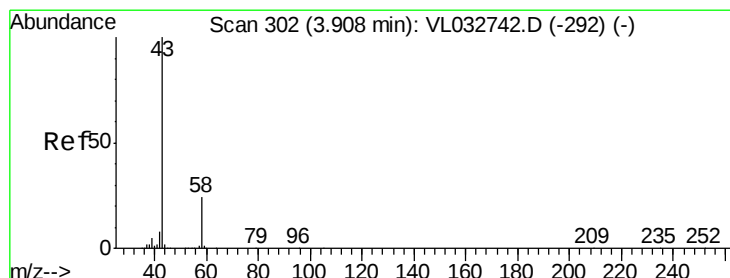
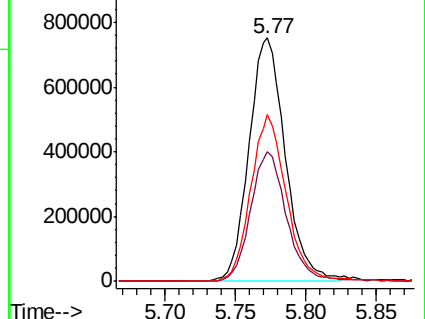
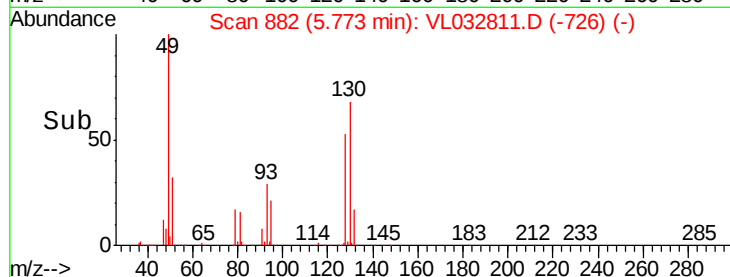
130 67.6 31.4 94.2



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



#15

Acetone

Concen: 0.143 ppbv

RT: 3.94 min Scan# 311

Delta R.T. 0.03 min

Lab File: VL032811.D

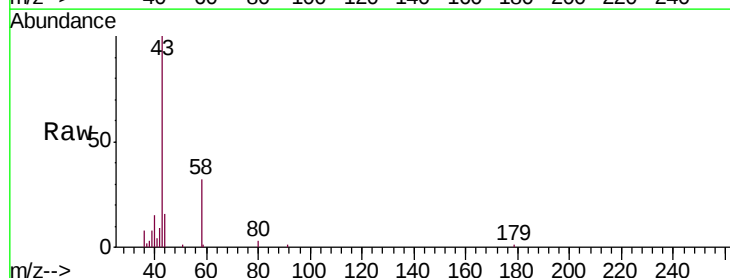
Acq: 27 Nov 2018 17:32

Tgt Ion: 43 Resp: 17737

Ion Ratio Lower Upper

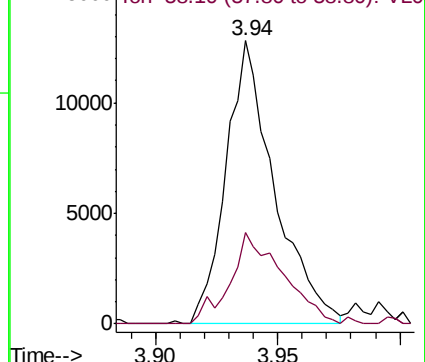
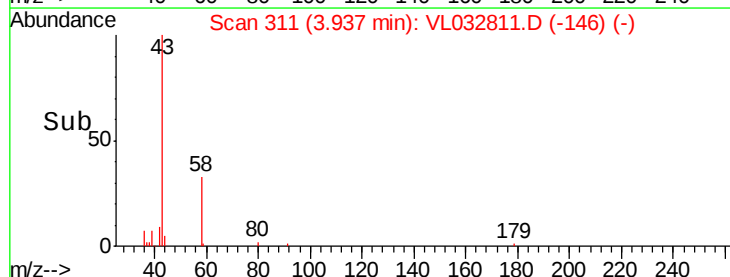
43 100

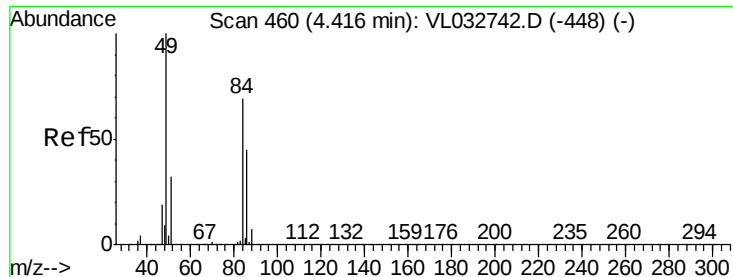
58 35.4 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

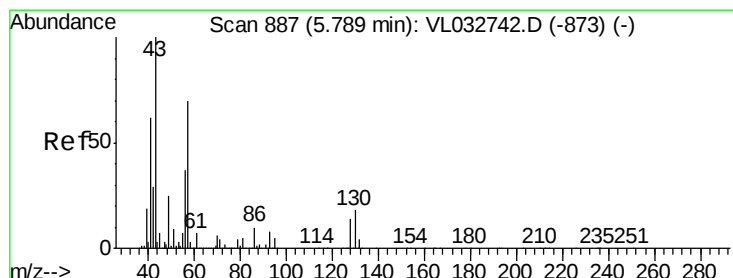
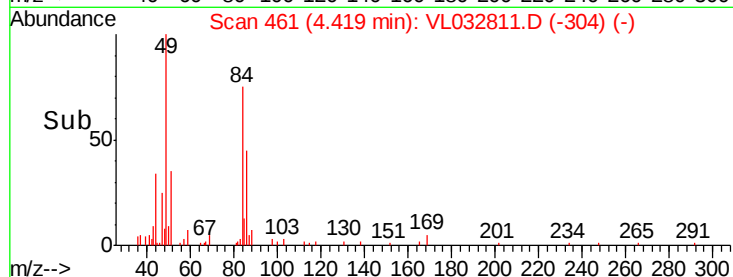
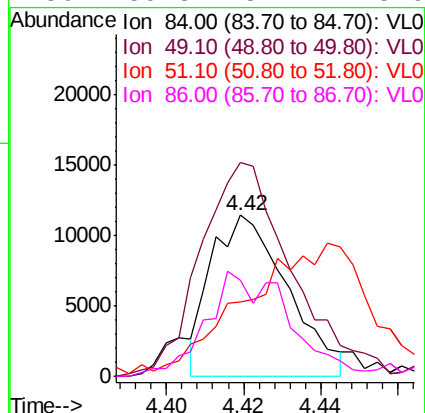
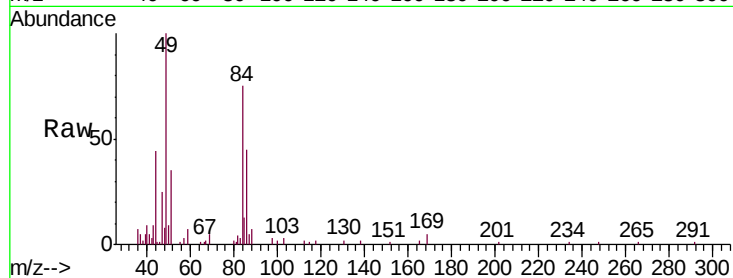




#20
Methylene Chloride
Concen: 0.244 ppbv
RT: 4.42 min Scan# 461
Delta R.T. 0.00 min
Lab File: VL032811.D
Acq: 27 Nov 2018 17:32

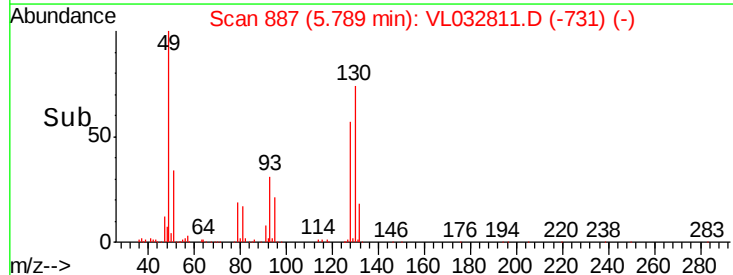
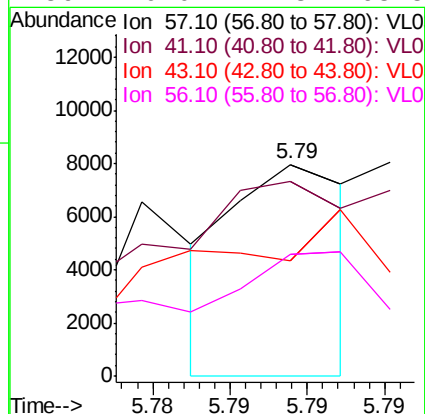
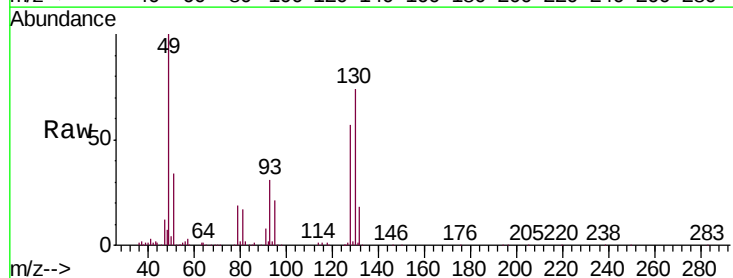
Instrument :
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ClientSampleId :
QC112618 CAN 10439

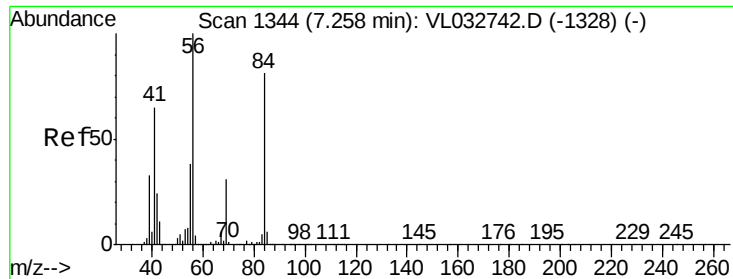
Tgt Ion: 84 Resp: 15633
Ion Ratio Lower Upper
84 100
49 148.1 115.8 173.6
51 31.7 36.9 55.3#
86 59.3 52.4 78.6



#26
Hexane
Concen: 0.033 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.00 min
Lab File: VL032811.D
Acq: 27 Nov 2018 17:32

Tgt Ion: 57 Resp: 4212
Ion Ratio Lower Upper
57 100
41 0.0 70.3 105.5#
43 0.0 174.0 261.0#
56 0.0 42.3 63.5#

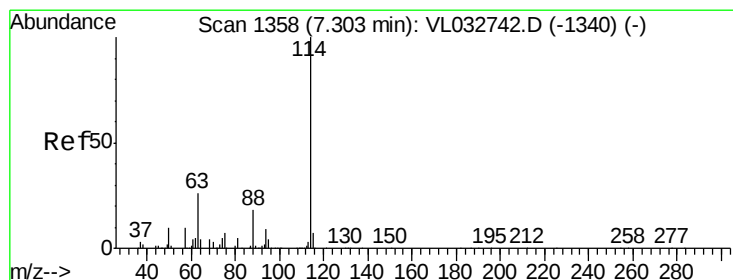
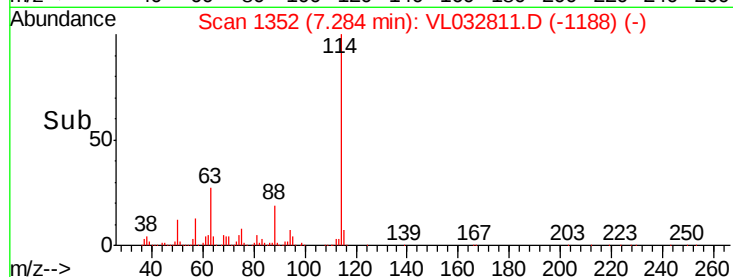
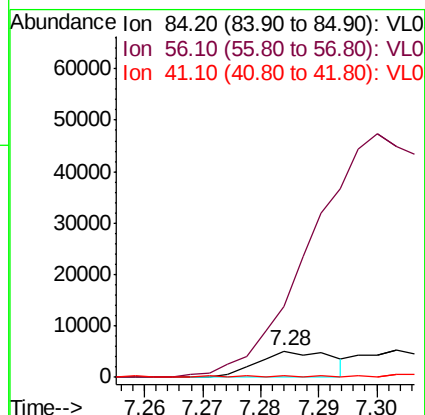
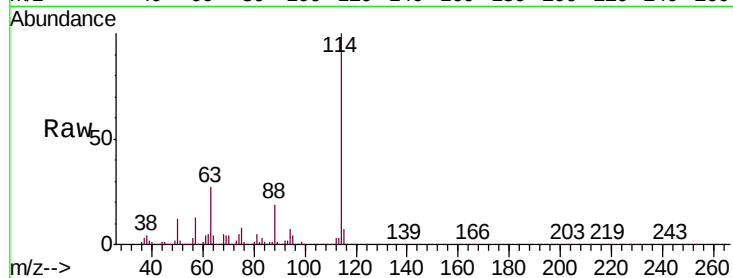




#30
Cyclohexane
Concen: 0.042 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. 0.03 min
Lab File: VL032811.D
Acq: 27 Nov 2018 17:32

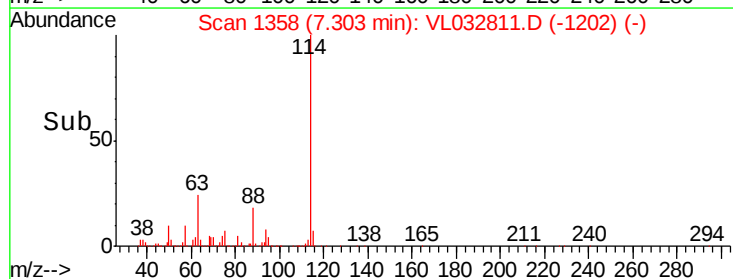
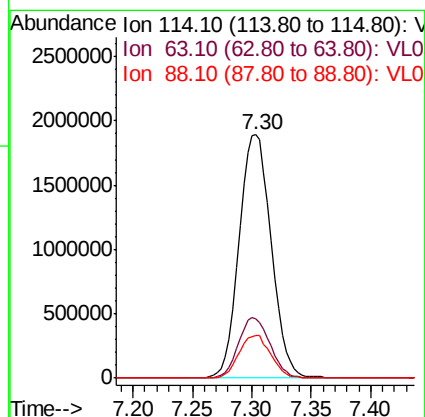
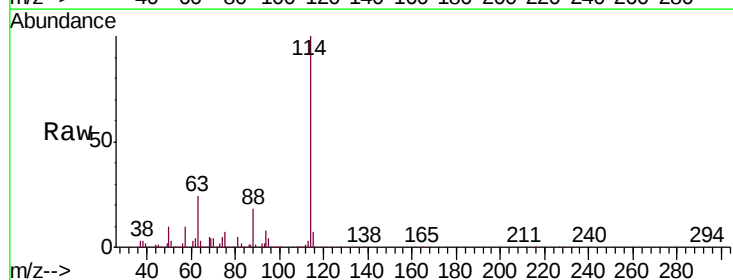
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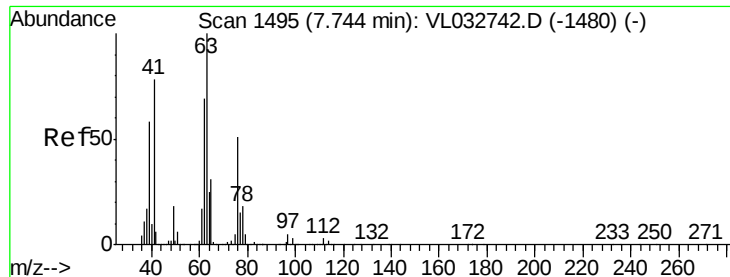
Tgt Ion: 84 Resp: 4686
Ion Ratio Lower Upper
84 100
56 0.0 105.0 157.4#
41 1.1 65.3 97.9#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VL032811.D
Acq: 27 Nov 2018 17:32

Tgt Ion: 114 Resp: 3538029
Ion Ratio Lower Upper
114 100
63 24.4 20.9 31.3
88 17.6 14.4 21.6





#39

1,2-Dichloropropane

Concen: 8.004 ppbv

RT: 7.30 min Scan# 1357

Delta R.T. -0.44 min

Lab File: VL032811.D

Acq: 27 Nov 2018 17:32

Instrument :

MSVOA_L

ClientSampleId :

QC112618 CAN 10439

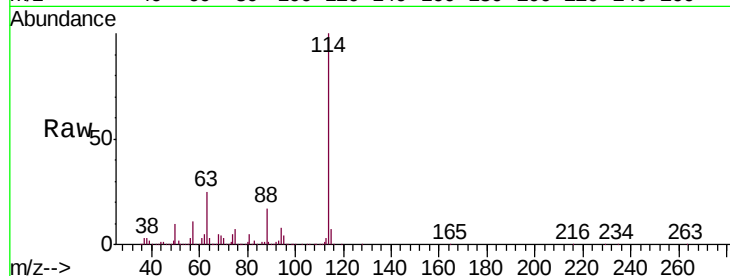
Tgt Ion: 63 Resp: 859193

Ion Ratio Lower Upper

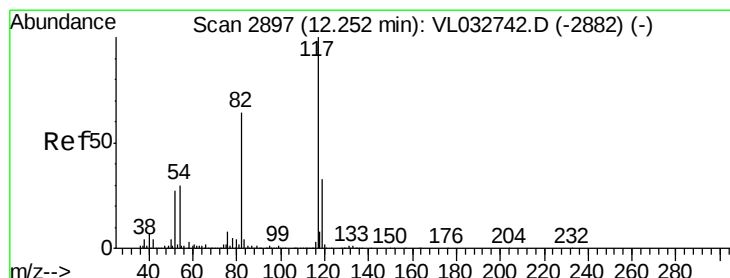
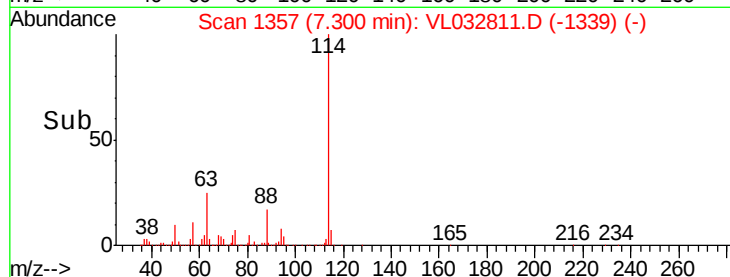
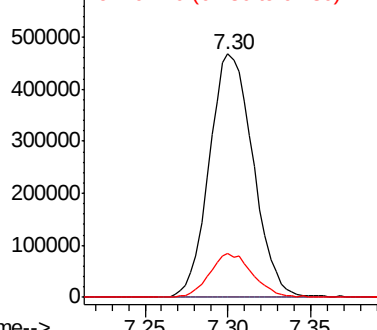
63 100

41 0.0 62.0 93.0#

62 18.3 55.4 83.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.25 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VL032811.D

Acq: 27 Nov 2018 17:32

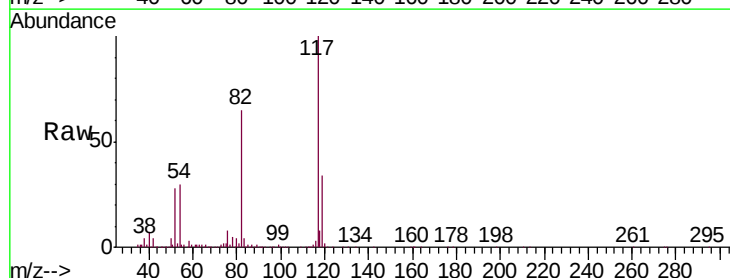
Tgt Ion: 117 Resp: 3271557

Ion Ratio Lower Upper

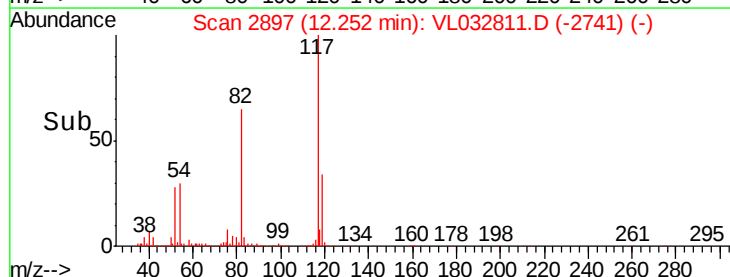
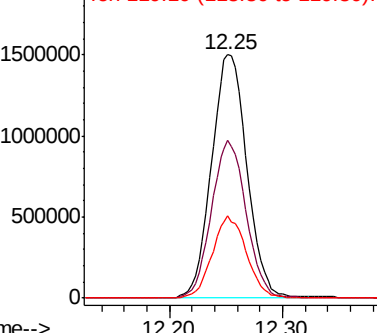
117 100

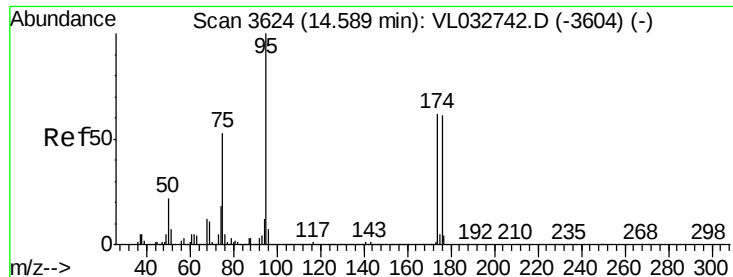
82 63.8 51.0 76.6

119 32.8 28.0 42.0



Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

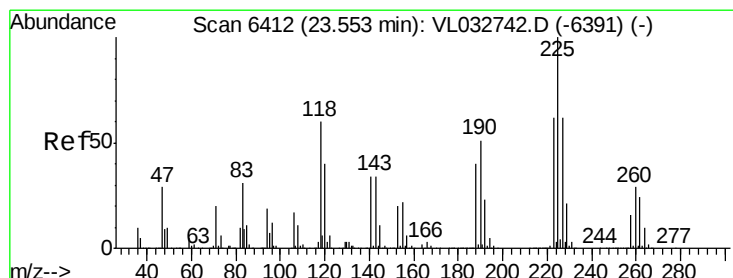
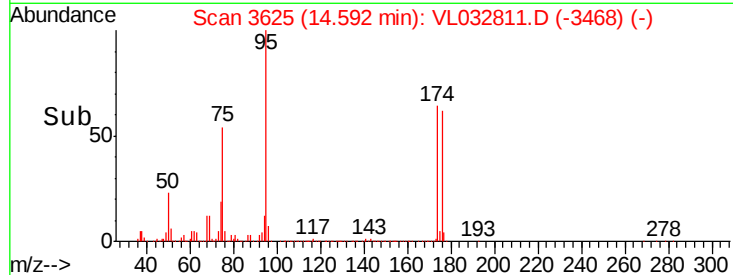
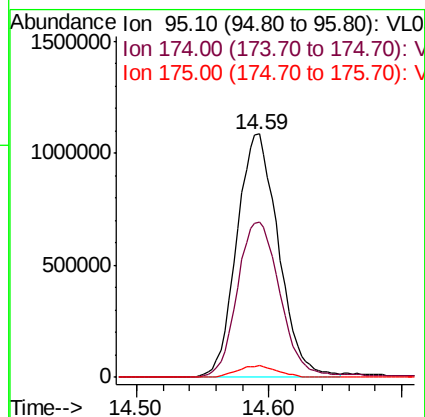
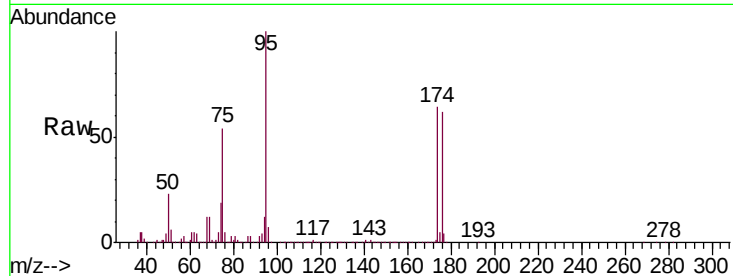




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.657 ppbv
 RT: 14.59 min Scan# 3625
 Delta R.T. 0.00 min
 Lab File: VL032811.D
 Acq: 27 Nov 2018 17:32

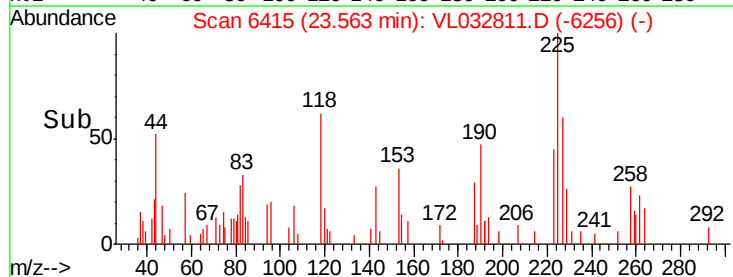
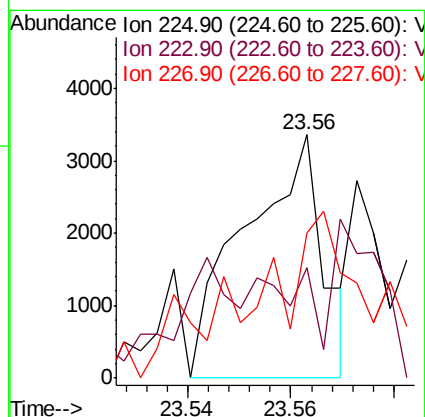
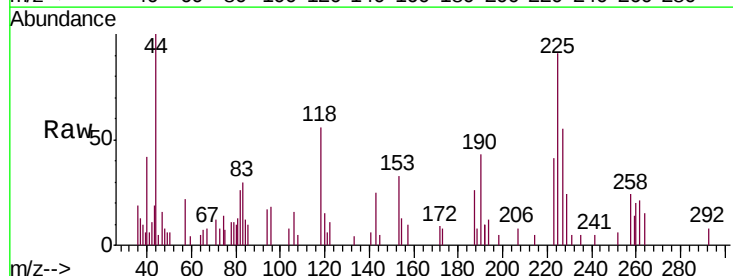
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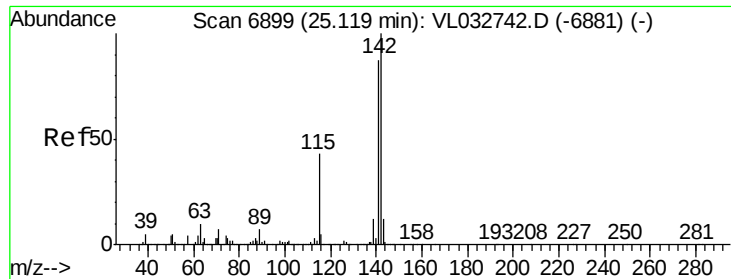
Tgt Ion: 95 Resp: 2362978
 Ion Ratio Lower Upper
 95 100
 174 67.2 50.7 76.1
 175 4.9 3.8 5.6



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.030 ppbv
 RT: 23.56 min Scan# 6415
 Delta R.T. 0.01 min
 Lab File: VL032811.D
 Acq: 27 Nov 2018 17:32

Tgt Ion: 225 Resp: 3508
 Ion Ratio Lower Upper
 225 100
 223 0.0 50.3 75.5#
 227 107.5 50.2 75.4#

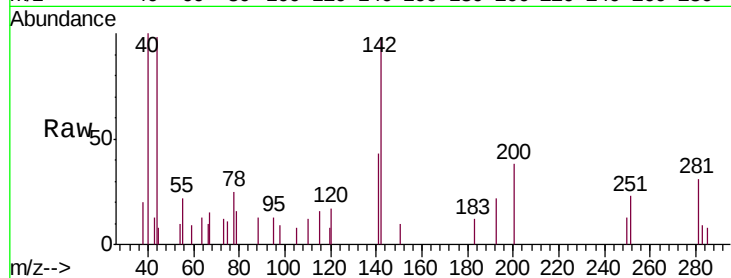




#80
 Naphthalene, 2-methyl-
 Concen: 0.044 ppbv
 RT: 25.13 min Scan# 6902
 Delta R.T. 0.01 min
 Lab File: VL032811.D
 Acq: 27 Nov 2018 17:32

Instrument :
 MSVOA_L
 ClientSampleId :
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Tgt Ion:	142	Resp:	2927
Ion	Ratio	Lower	Upper
142	100		
141	94.8	68.7	103.1
115	40.8	35.5	53.3



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

