

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL060118\
 Data File : VL032028.D
 Acq On : 1 Jun 2018 19:39
 Operator : SY/AP
 Sample : QC051618 CAN 10308
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC051618 CAN 10308

Quant Time: Jun 02 02:03:12 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 02:31:35 2018
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1320605	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2303081	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2212102	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1744393	10.21	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

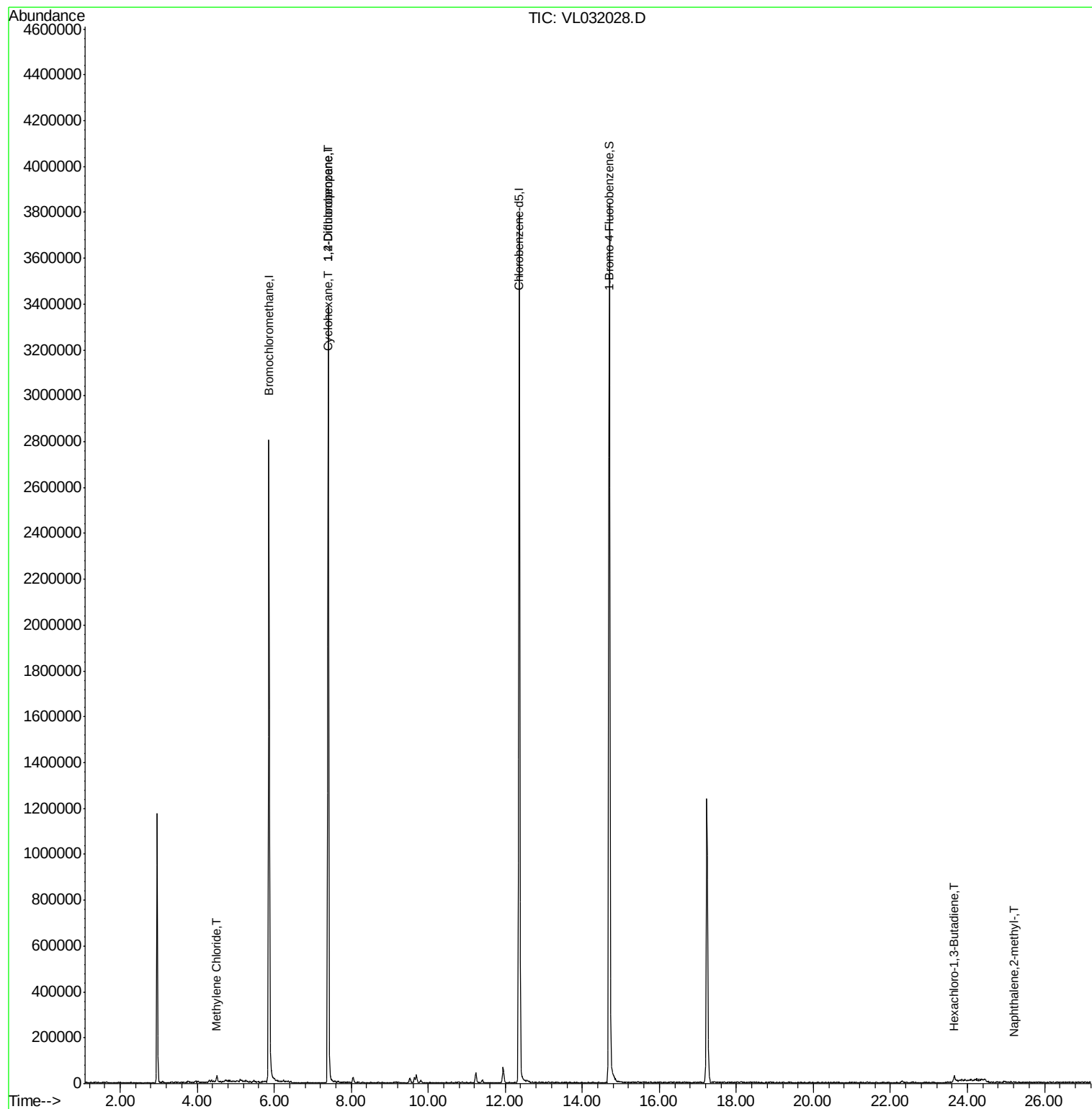
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
20) Methylene Chloride	4.50	84	6754	0.09	ppbv	94
30) Cyclohexane	7.39	84	3688	0.04	ppbv #	1
39) 1,2-Dichloropropane	7.40	63	602186	8.07	ppbv #	21
78) Hexachloro-1,3-Butadiene	23.66	225	2259	0.03	ppbv #	19
80) Naphthalene,2-methyl-	25.22	142	2187	0.06	ppbv	93

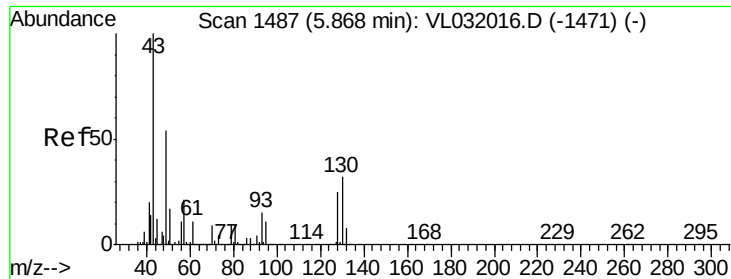
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

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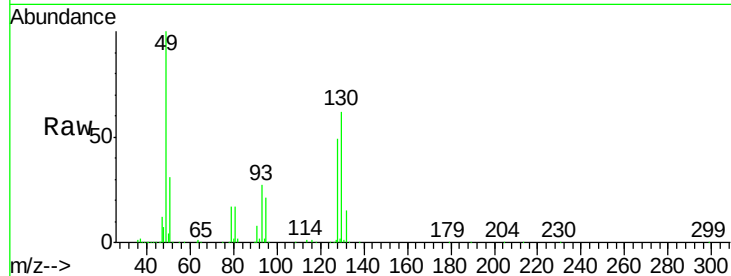
Tgt Ion: 49 Resp: 1320605

Ion Ratio Lower Upper

49 100

128 49.9 24.1 72.3

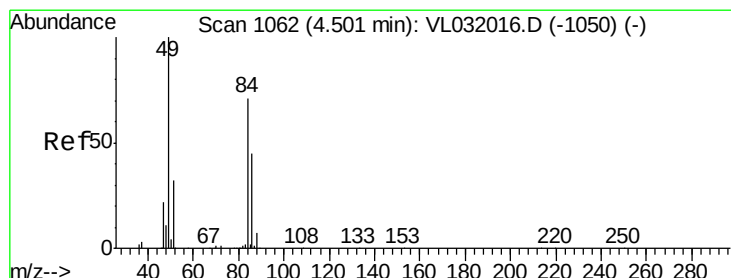
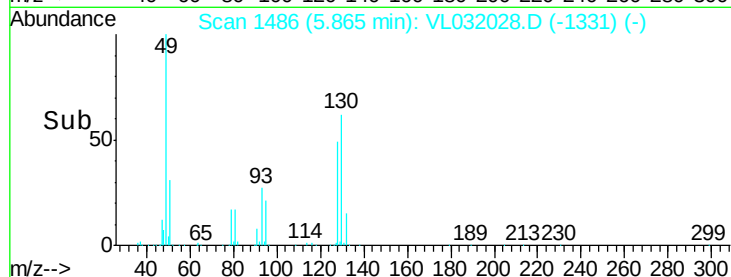
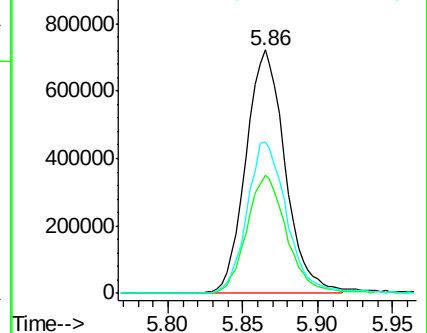
130 63.7 30.9 92.8



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



#20

Methylene Chloride

Concen: 0.09 ppbv

RT: 4.50 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VL032028.D

Acq: 1 Jun 2018 19:39

Tgt Ion: 84 Resp: 6754

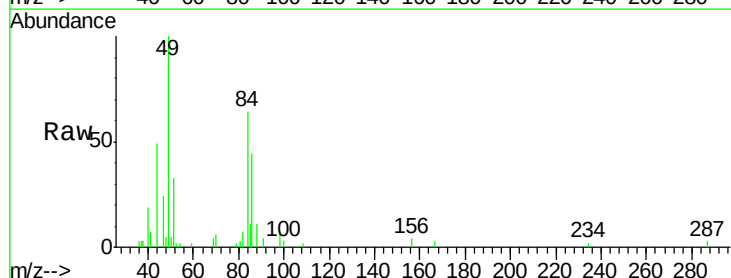
Ion Ratio Lower Upper

84 100

49 133.3 113.0 169.4

51 51.0 36.4 54.6

86 62.0 51.0 76.6

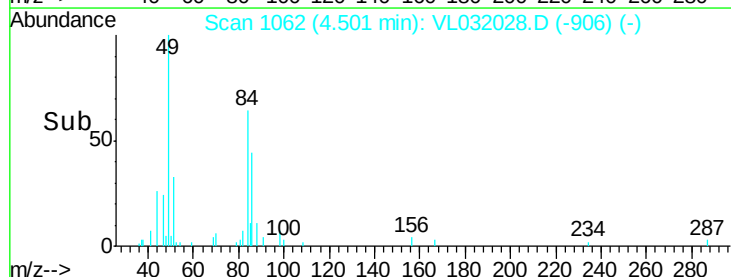
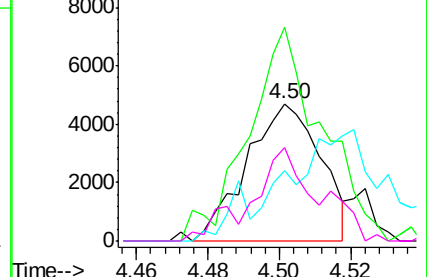


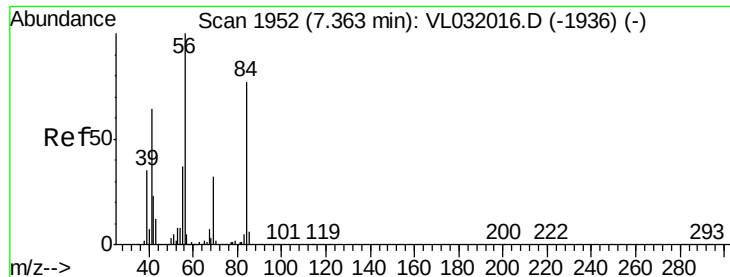
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#30

Cyclohexane

Concen: 0.04 ppbv

RT: 7.39 min Scan# 1959

Delta R.T. 0.02 min

Lab File: VL032028.D

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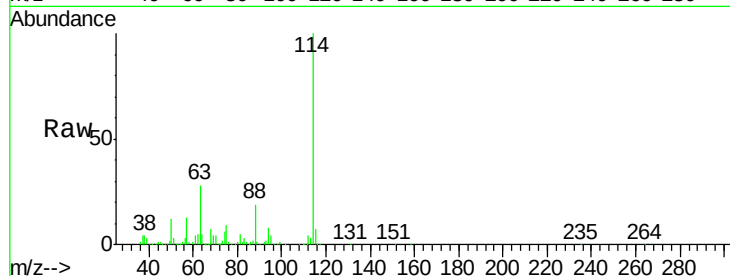
Tgt Ion: 84 Resp: 3688

Ion Ratio Lower Upper

84 100

56 0.0 108.6 162.8#

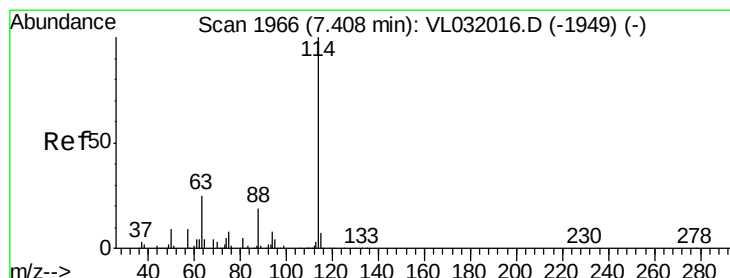
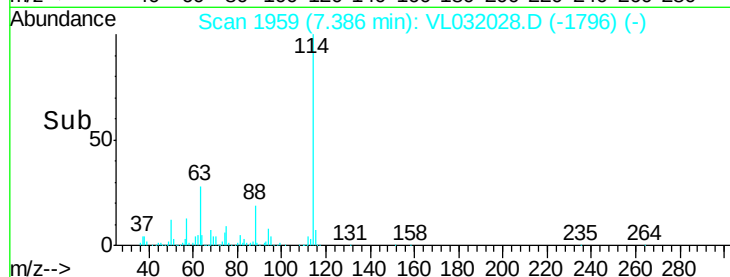
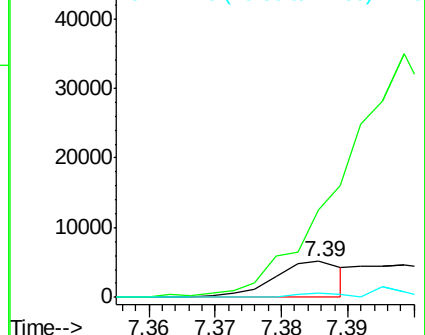
41 0.0 66.8 100.2#



Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.01 min

Lab File: VL032028.D

Acq: 1 Jun 2018 19:39

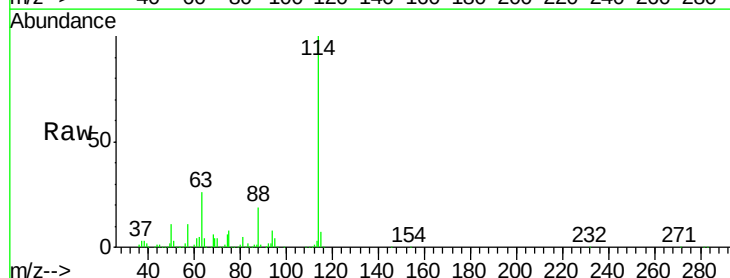
Tgt Ion: 114 Resp: 2303081

Ion Ratio Lower Upper

114 100

63 26.5 21.1 31.7

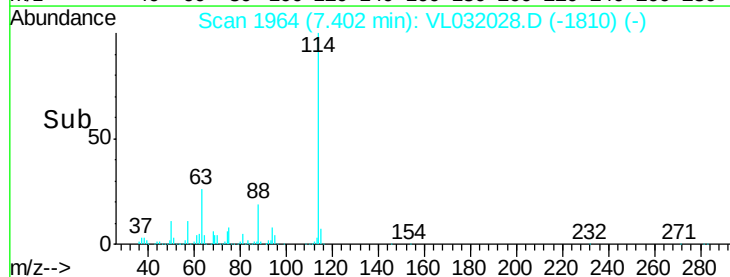
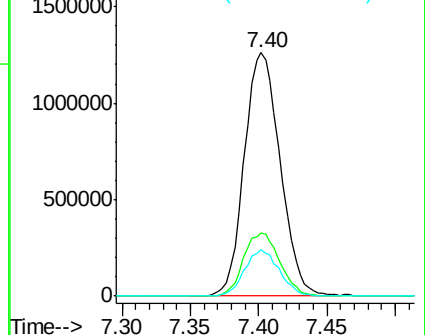
88 18.7 14.8 22.2

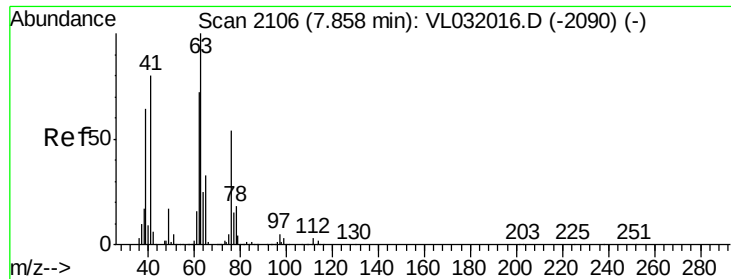


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.07 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.46 min

Lab File: VL032028.D

Acq: 1 Jun 2018 19:39

Instrument :

MSVOA_L

ClientSampleId :

QC051618 CAN 10308

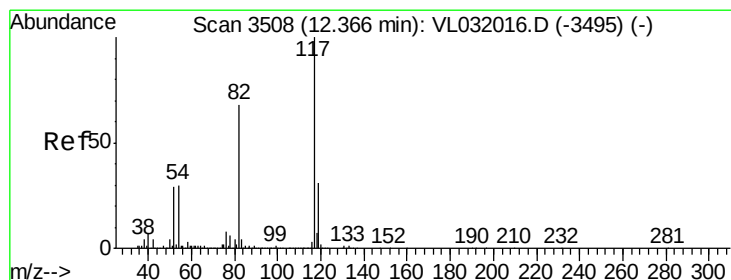
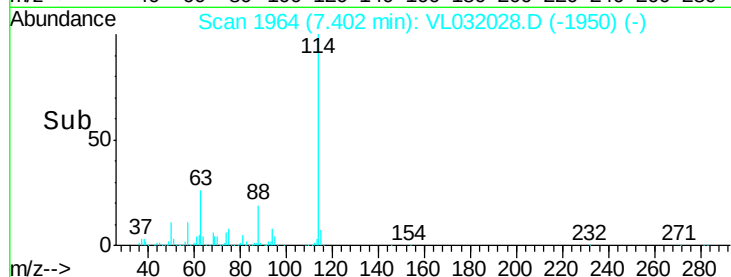
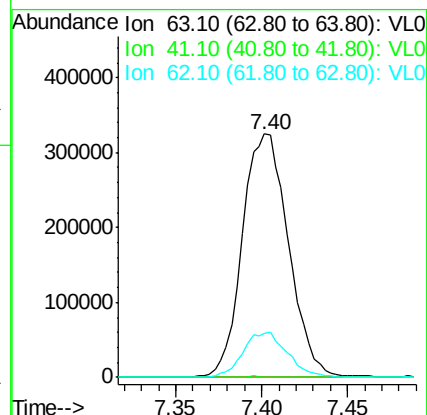
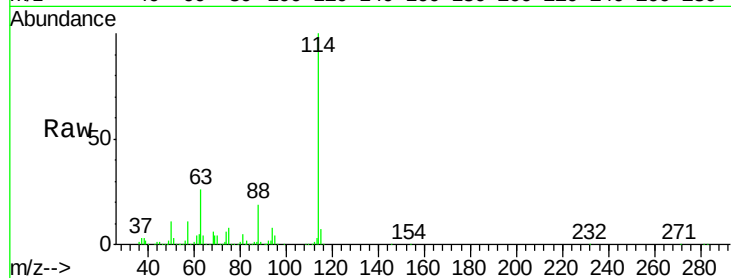
Tgt Ion: 63 Resp: 602186

Ion Ratio Lower Upper

63 100

41 0.0 64.0 96.0#

62 17.7 57.6 86.4#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.36 min Scan# 3507

Delta R.T. -0.00 min

Lab File: VL032028.D

Acq: 1 Jun 2018 19:39

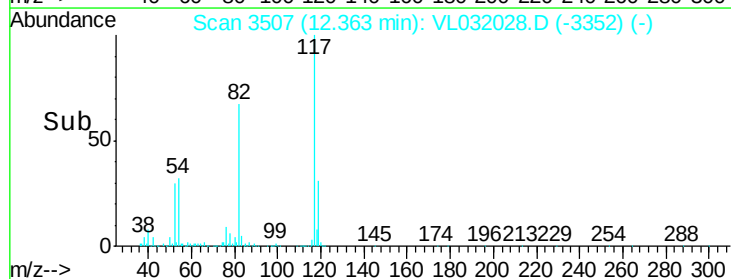
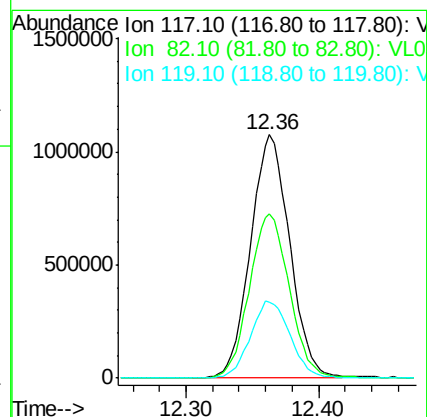
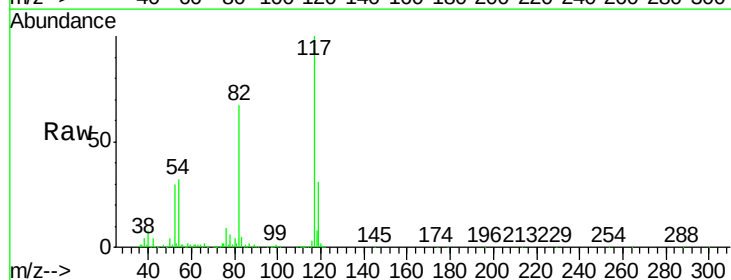
Tgt Ion: 117 Resp: 2212102

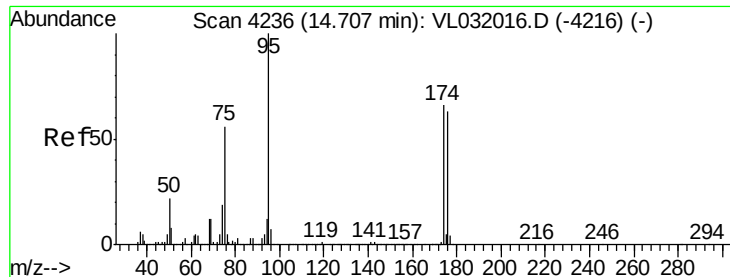
Ion Ratio Lower Upper

117 100

82 69.5 52.7 79.1

119 32.3 25.5 38.3

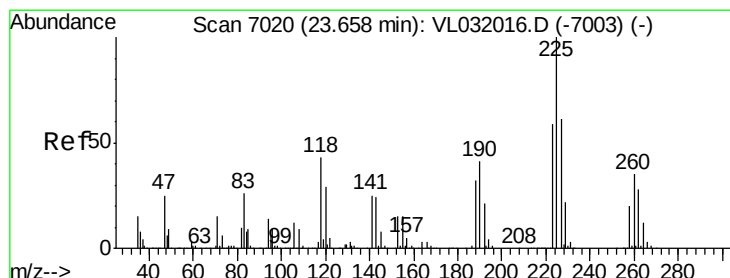
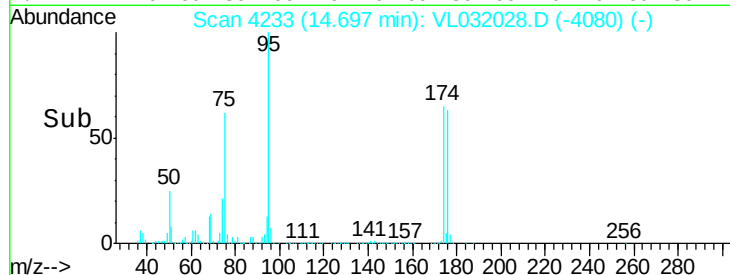
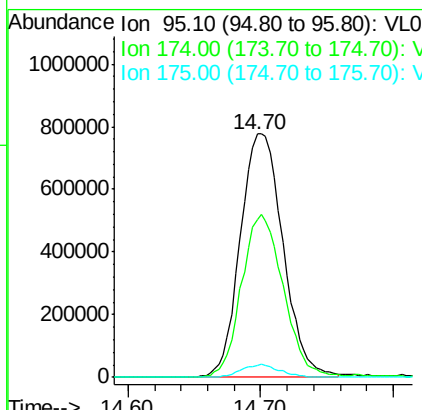
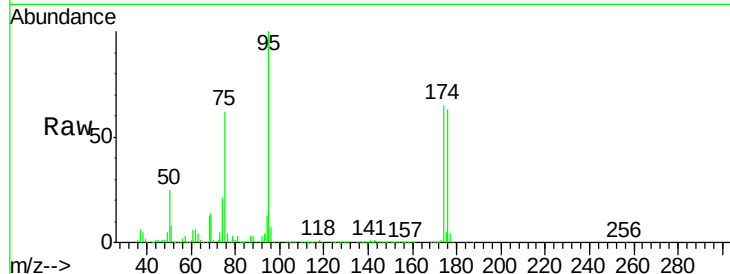




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.21 ppbv
 RT: 14.70 min Scan# 4233
 Delta R.T. -0.01 min
 Lab File: VL032028.D
 Acq: 1 Jun 2018 19:39

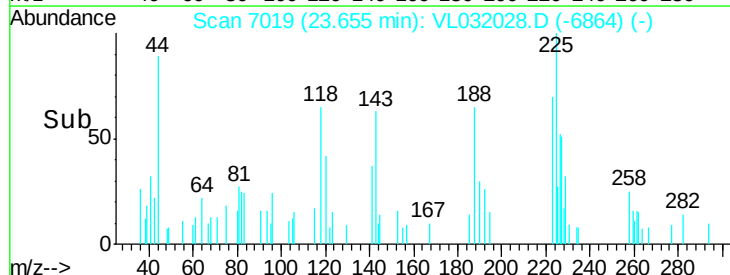
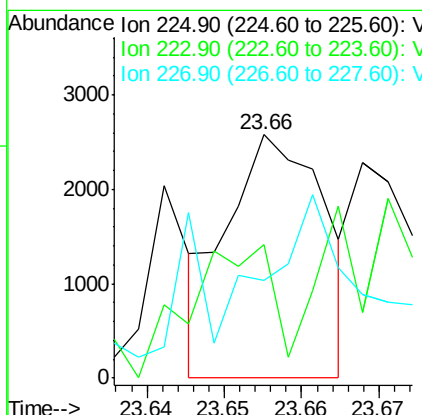
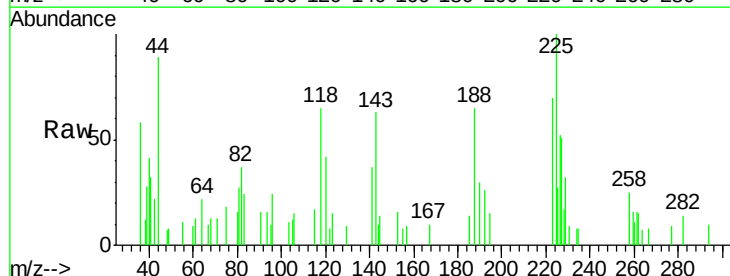
Instrument :
 MSVOA_L
 ClientSampleId :
 QC051618 CAN 10308

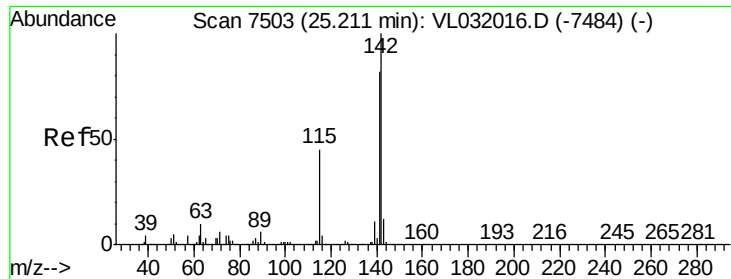
Tgt Ion: 95 Resp: 1744393
 Ion Ratio Lower Upper
 95 100
 174 66.8 53.2 79.8
 175 4.8 3.7 5.5



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.03 ppbv
 RT: 23.66 min Scan# 7019
 Delta R.T. -0.00 min
 Lab File: VL032028.D
 Acq: 1 Jun 2018 19:39

Tgt Ion: 225 Resp: 2259
 Ion Ratio Lower Upper
 225 100
 223 0.0 49.4 74.2#
 227 0.0 51.2 76.8#





#80

Naphthalene, 2-methyl-

Concen: 0.06 ppbv

RT: 25.22 min Scan# 7506

Delta R.T. 0.01 min

Lab File: VL032028.D

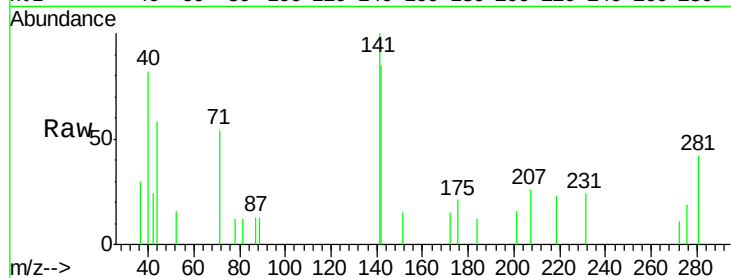
Acq: 1 Jun 2018 19:39

Instrument :

MSVOA_L

ClientSampleId :

QC051618 CAN 10308



Tgt Ion:	142	Resp:	2187
Ion	Ratio	Lower	Upper
142	100		
141	75.8	67.4	101.2
115	43.1	35.3	52.9

