

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL060118\
 Data File : VL032029.D
 Acq On : 1 Jun 2018 20:17
 Operator : SY/AP
 Sample : QC052218 CAN 10318
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC052218 CAN 10318

Quant Time: Jun 02 02:03:29 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	1008929	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2022173	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	1943491	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1556584	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

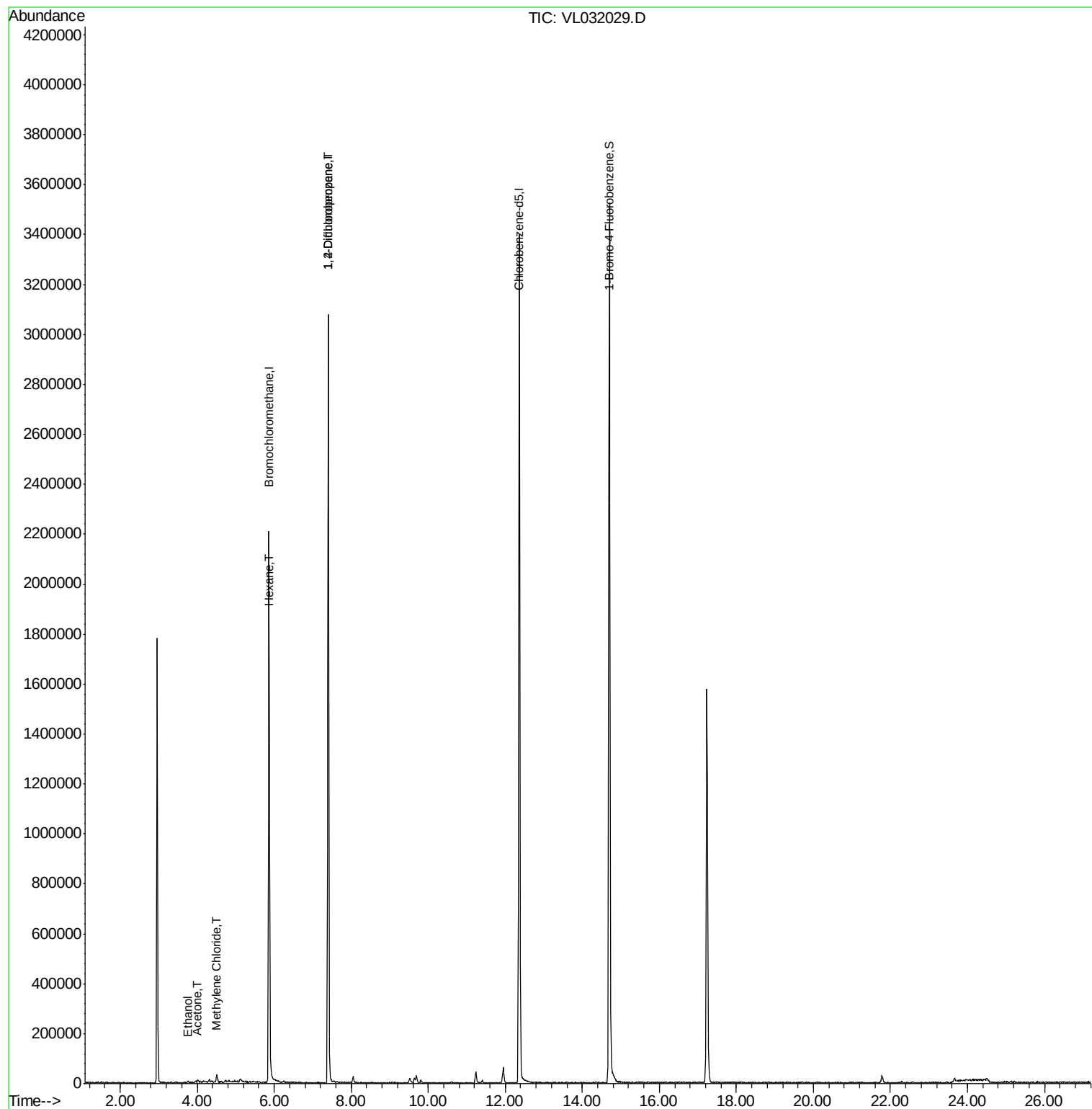
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.75	45	563	0.05	ppbv #	38
15) Acetone	4.01	43	6132	0.05	ppbv #	48
20) Methylene Chloride	4.51	84	6623	0.12	ppbv #	83
26) Hexane	5.88	57	3930	0.04	ppbv #	34
39) 1,2-Dichloropropane	7.40	63	539009	8.23	ppbv #	22

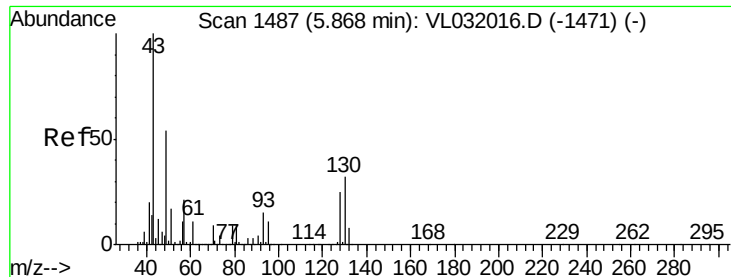
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL032029.D

Acq: 1 Jun 2018 20:17

Instrument :

MSVOA_L

ClientSampleId :

QC052218 CAN 10318

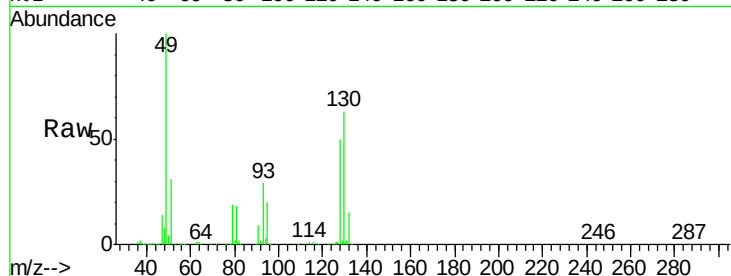
Tgt Ion: 49 Resp: 1008929

Ion Ratio Lower Upper

49 100

128 50.9 24.1 72.3

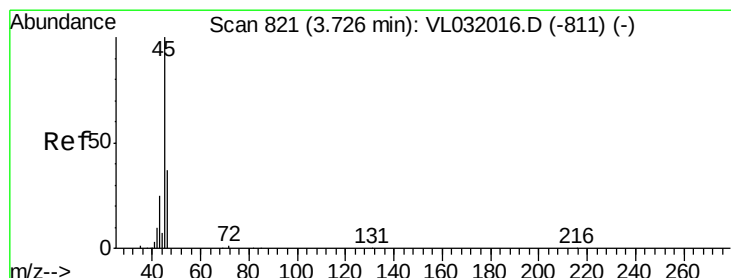
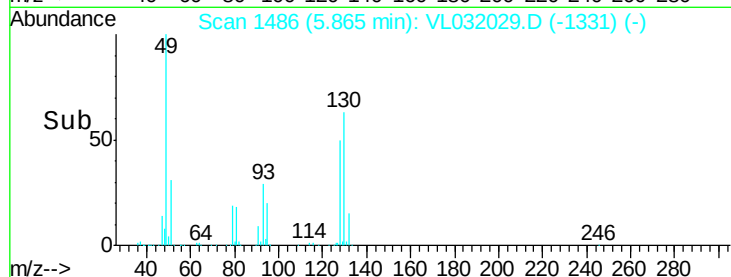
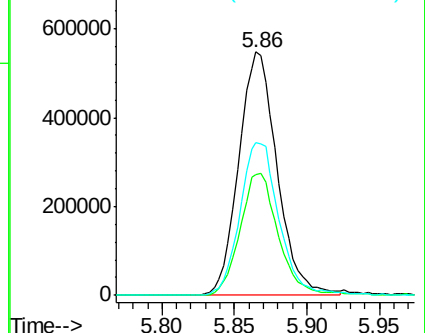
130 64.5 30.9 92.8



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



#13

Ethanol

Concen: 0.05 ppbv

RT: 3.75 min Scan# 827

Delta R.T. 0.02 min

Lab File: VL032029.D

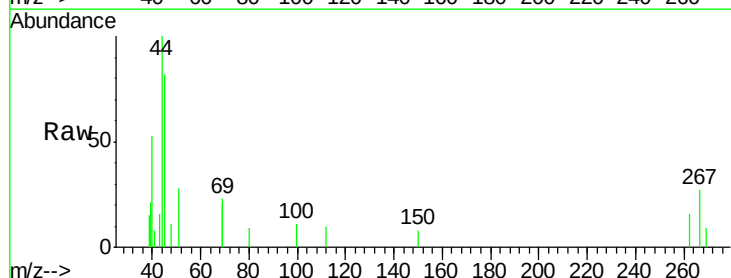
Acq: 1 Jun 2018 20:17

Tgt Ion: 45 Resp: 563

Ion Ratio Lower Upper

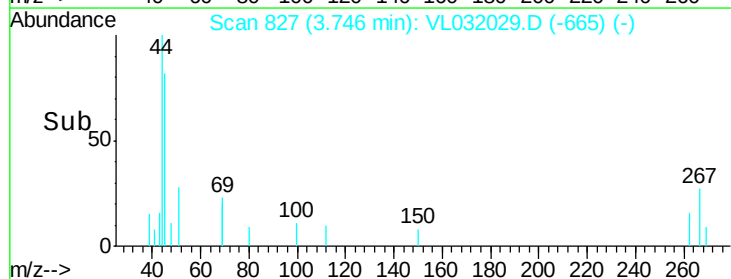
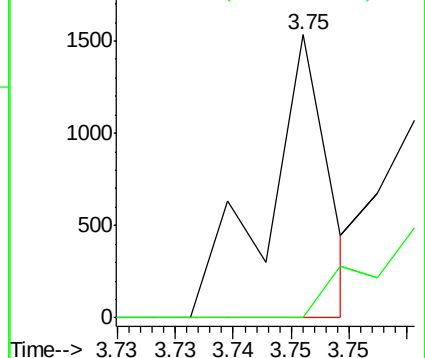
45 100

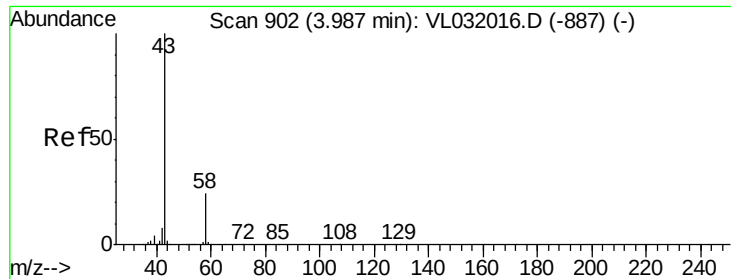
46 0.0 14.9 59.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

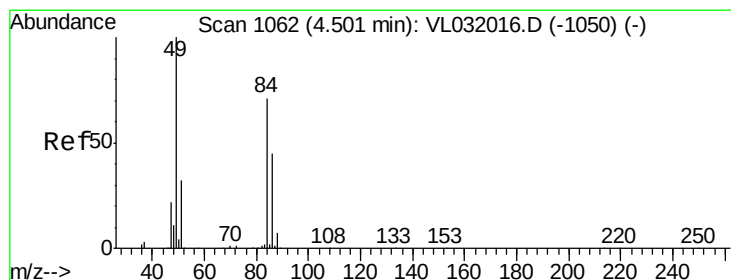
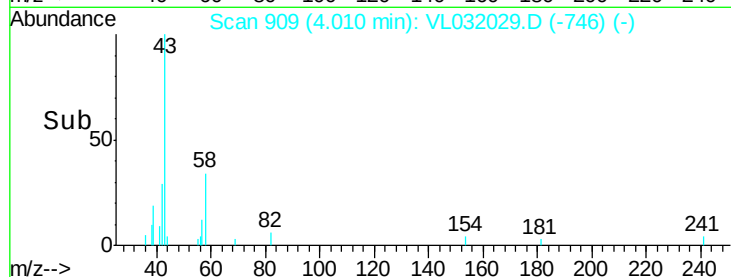
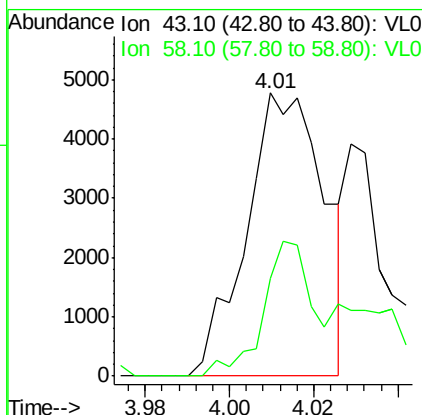
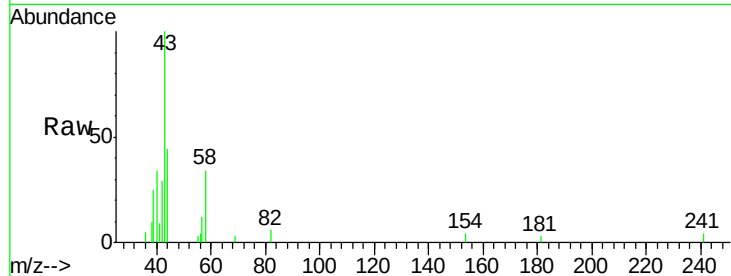




#15
Acetone
Concen: 0.05 ppbv
RT: 4.01 min Scan# 909
Delta R.T. 0.02 min
Lab File: VL032029.D
Acq: 1 Jun 2018 20:17

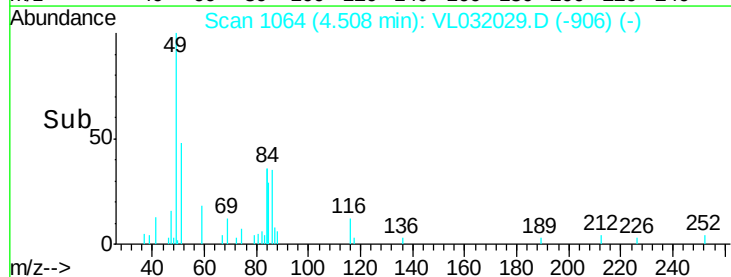
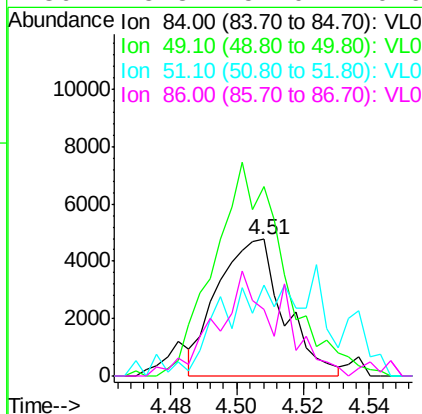
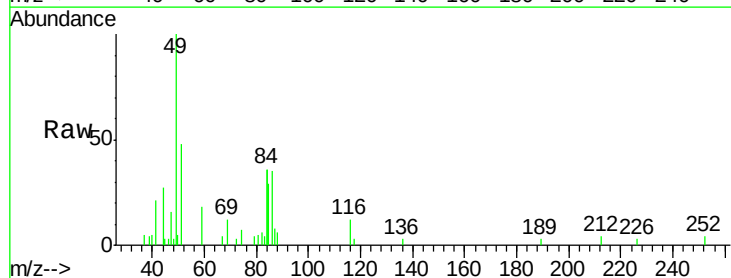
Instrument :
MSVOA_L
ClientSampleId :
QC052218 CAN 10318

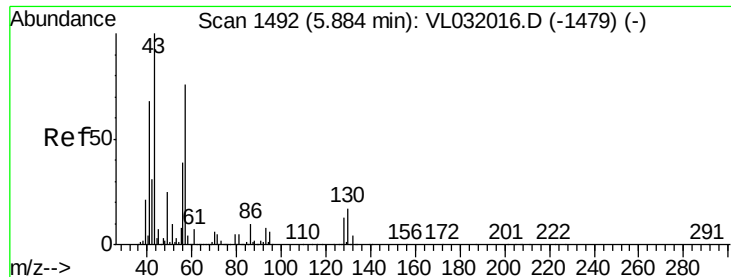
Tgt Ion: 43 Resp: 6132
Ion Ratio Lower Upper
43 100
58 52.2 20.7 31.1#



#20
Methylene Chloride
Concen: 0.12 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. 0.01 min
Lab File: VL032029.D
Acq: 1 Jun 2018 20:17

Tgt Ion: 84 Resp: 6623
Ion Ratio Lower Upper
84 100
49 130.0 113.0 169.4
51 67.3 36.4 54.6#
86 45.8 51.0 76.6#





#26

Hexane

Concen: 0.04 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VL032029.D

Acq: 1 Jun 2018 20:17

Instrument :

MSVOA_L

ClientSampleId :

QC052218 CAN 10318

Tgt Ion: 57 Resp: 3930

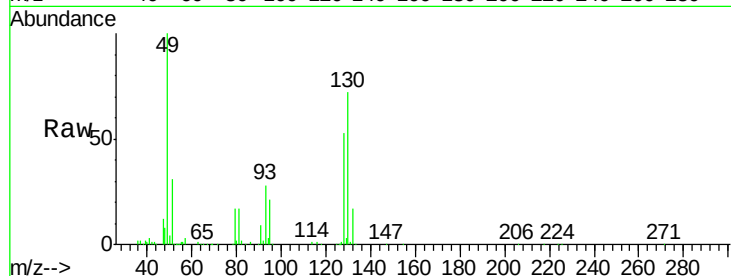
Ion Ratio Lower Upper

57 100

41 172.3 71.4 107.2#

43 124.9 168.6 252.8#

56 0.0 42.4 63.6#

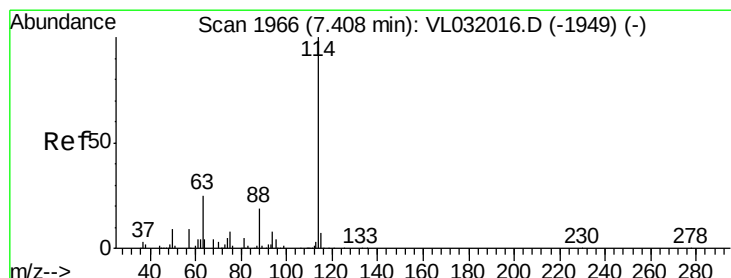
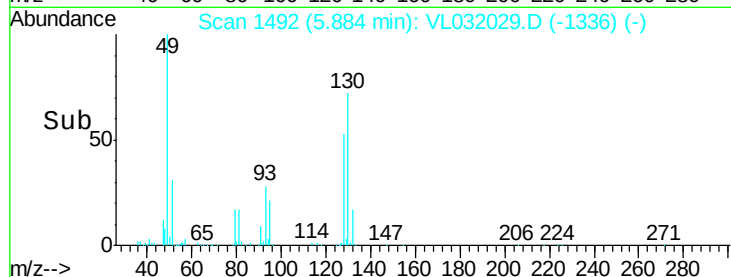
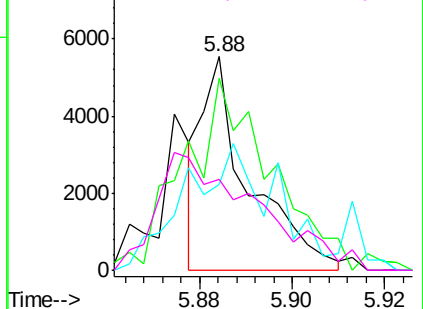


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.00 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.01 min

Lab File: VL032029.D

Acq: 1 Jun 2018 20:17

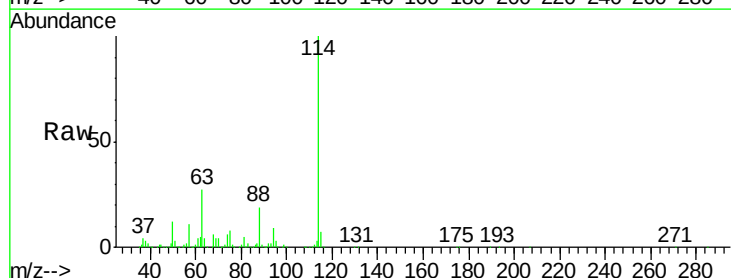
Tgt Ion: 114 Resp: 2022173

Ion Ratio Lower Upper

114 100

63 26.8 21.1 31.7

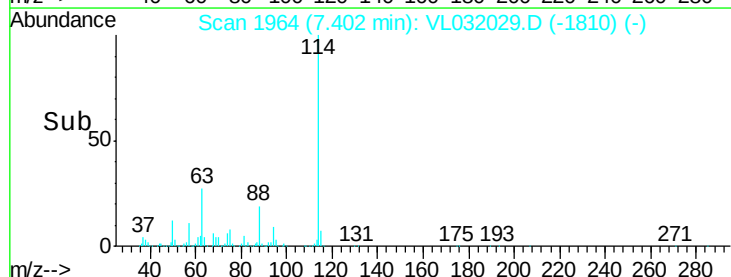
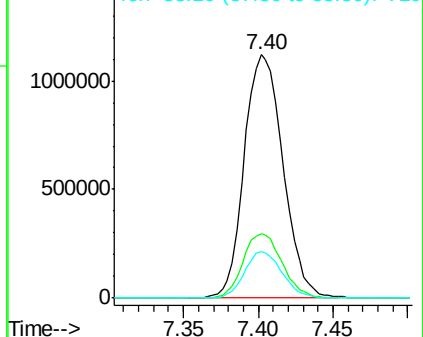
88 18.6 14.8 22.2

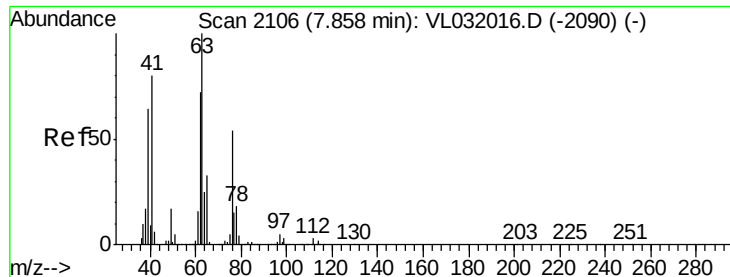


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 8.23 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.46 min

Lab File: VL032029.D

Acq: 1 Jun 2018 20:17

Instrument :

MSVOA_L

ClientSampleId :

QC052218 CAN 10318

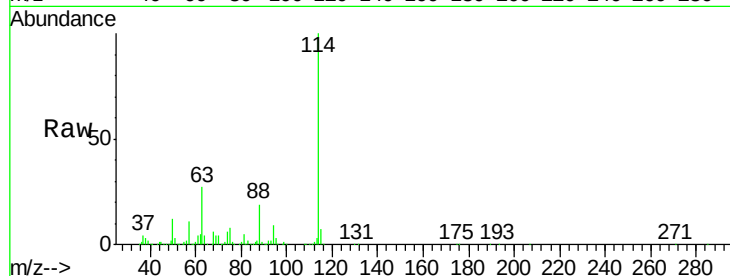
Tgt Ion: 63 Resp: 539009

Ion Ratio Lower Upper

63 100

41 0.1 64.0 96.0#

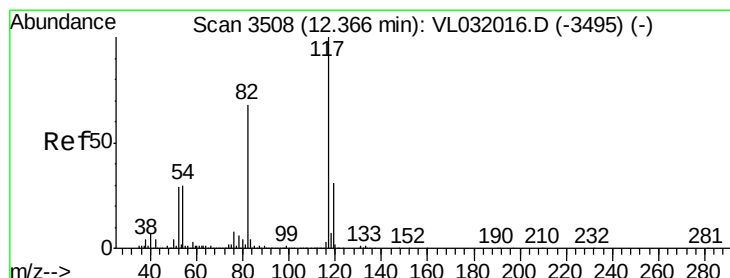
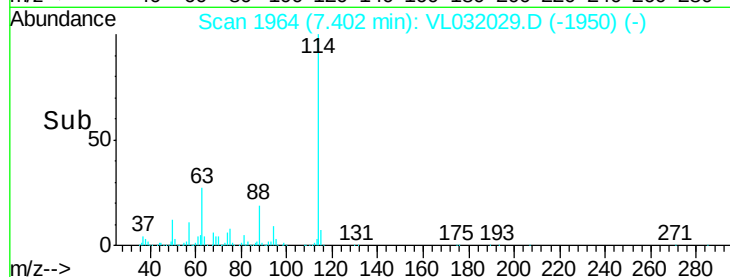
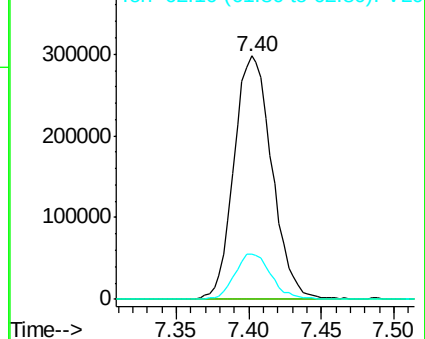
62 18.7 57.6 86.4#



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: 10.00 ppbv

RT: 12.36 min Scan# 3507

Delta R.T. -0.00 min

Lab File: VL032029.D

Acq: 1 Jun 2018 20:17

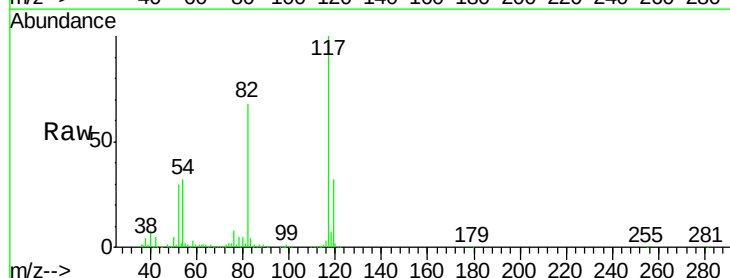
Tgt Ion: 117 Resp: 1943491

Ion Ratio Lower Upper

117 100

82 69.4 52.7 79.1

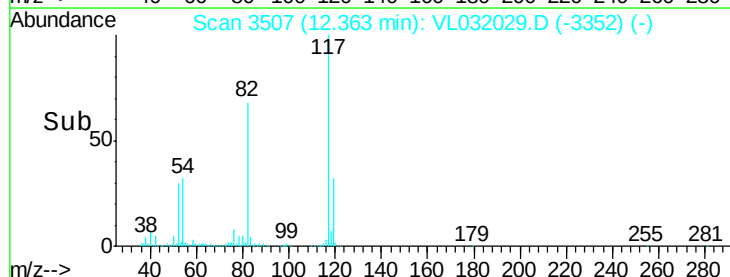
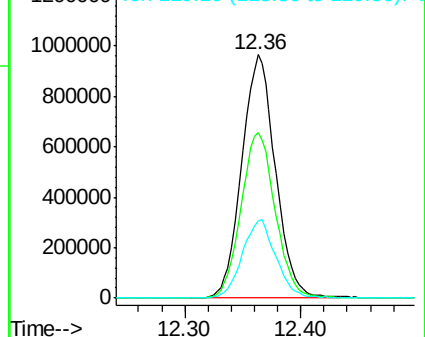
119 32.4 25.5 38.3

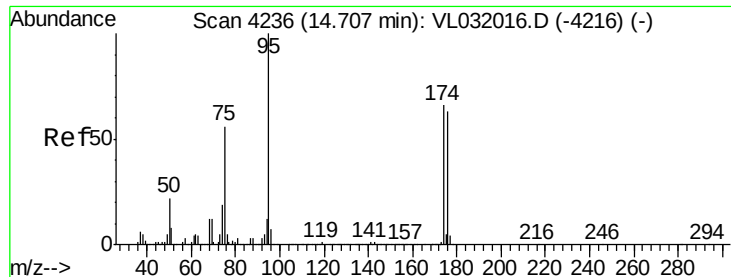


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.37 ppbv

RT: 14.70 min Scan# 4233

Delta R.T. -0.01 min

Lab File: VL032029.D

Acq: 1 Jun 2018 20:17

Instrument :

MSVOA_L

ClientSampleId :

QC052218 CAN 10318

Tgt Ion: 95 Resp: 1556584

Ion Ratio Lower Upper

95 100

174 66.1 53.2 79.8

175 4.8 3.7 5.5

