

Data File : VL032021.D
Acq On : 31 May 2018 19:23
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Jun 01 02:05:08 2018
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 01:58:27 2018
QLast Update : Fri Jun 01 01:58:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1389112	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2428370	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2438527	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1903914	10.05	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.08	51	6054	0.05	ppbv	94
4) Chloromethane	3.24	50	2066	0.03	ppbv #	83
13) Ethanol	3.74	45	633	0.04	ppbv #	1
15) Acetone	4.00	43	24122	0.12	ppbv #	72
20) Methylene Chloride	4.50	84	9389	0.14	ppbv #	81
39) 1,2-Dichloropropane	7.40	63	635048	7.95	ppbv #	22
66) Benzyl Chloride	17.28	91	1418	0.04	ppbv #	65

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

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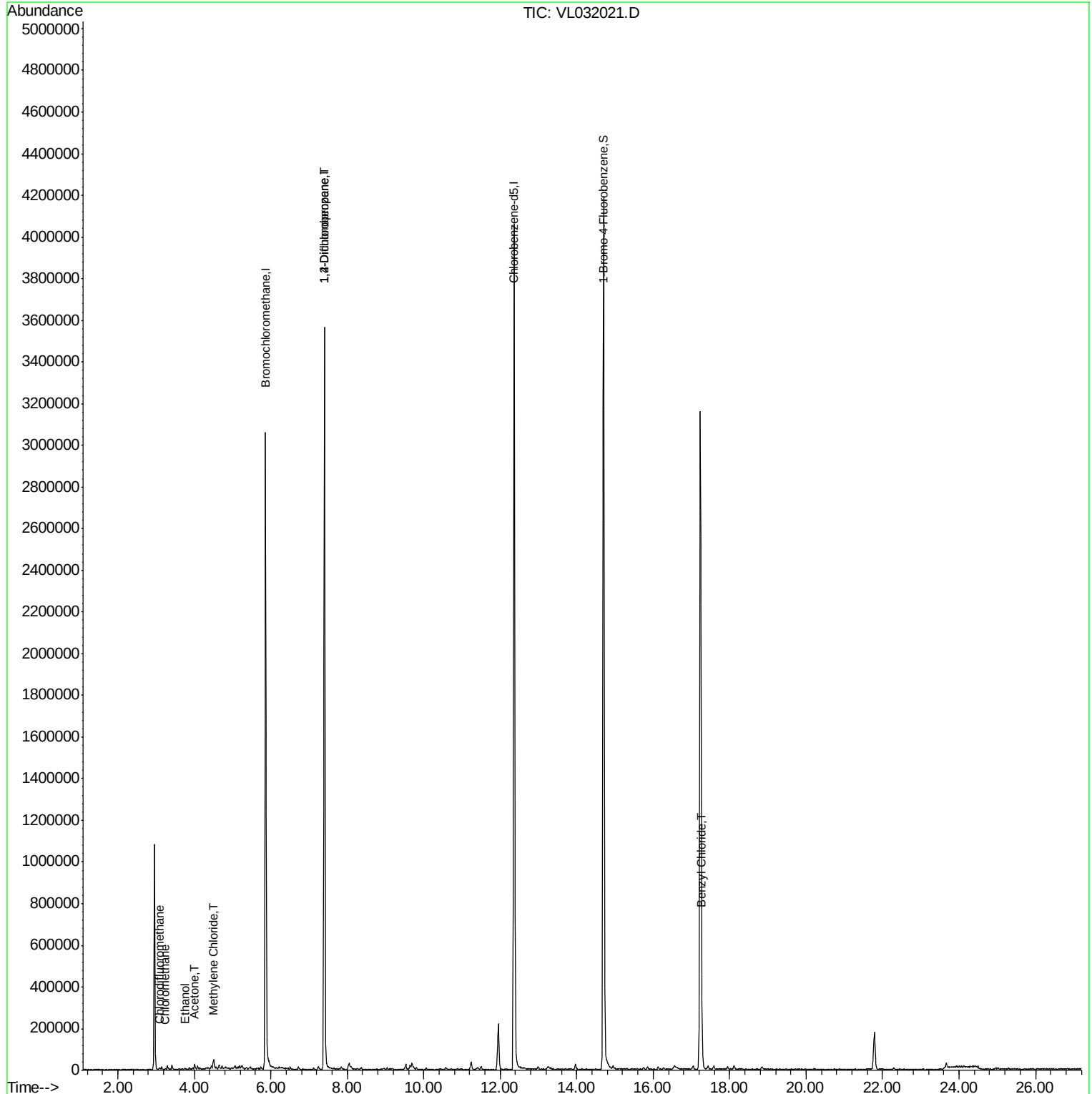
Quant Time: Jun 01 02:05:08 2018

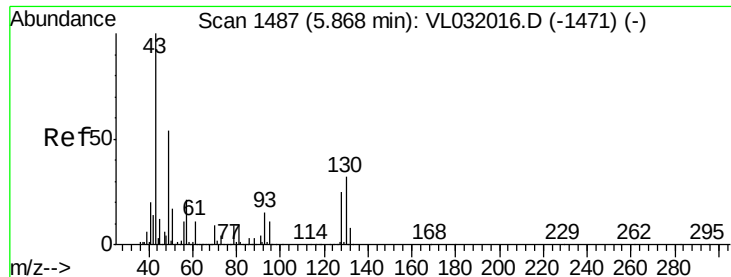
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 01:58:27 2018

QLast Update : Fri Jun 01 01:58:27 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

VSTDIC0.03

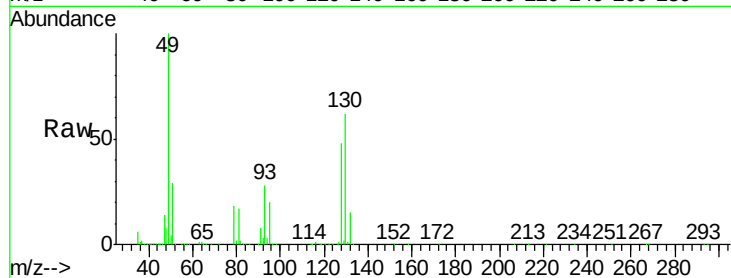
Tgt Ion: 49 Resp: 1389112

Ion Ratio Lower Upper

49 100

128 49.0 24.1 72.3

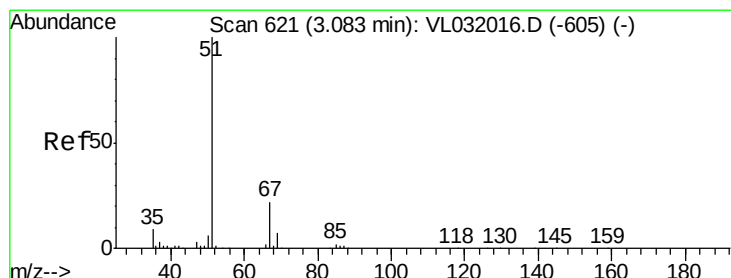
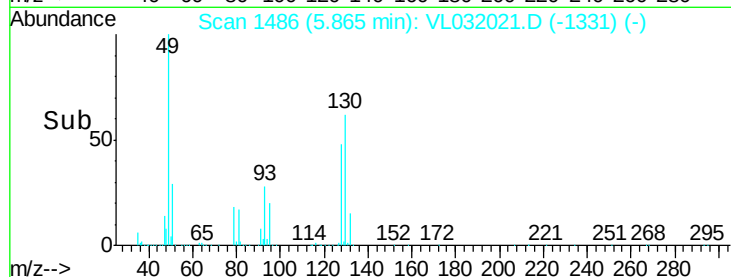
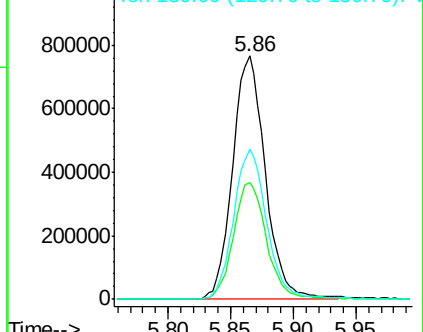
130 63.2 30.9 92.8



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



#3

Chlorodifluoromethane

Concen: 0.05 ppbv

RT: 3.08 min Scan# 621

Delta R.T. 0.00 min

Lab File: VL032021.D

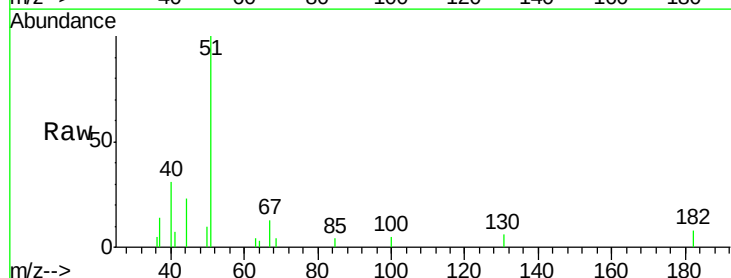
Acq: 31 May 2018 19:23

Tgt Ion: 51 Resp: 6054

Ion Ratio Lower Upper

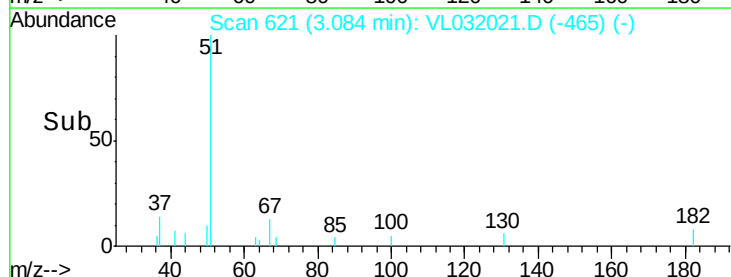
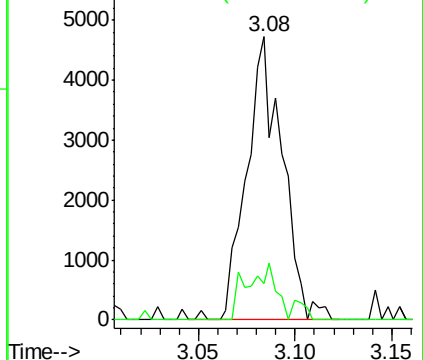
51 100

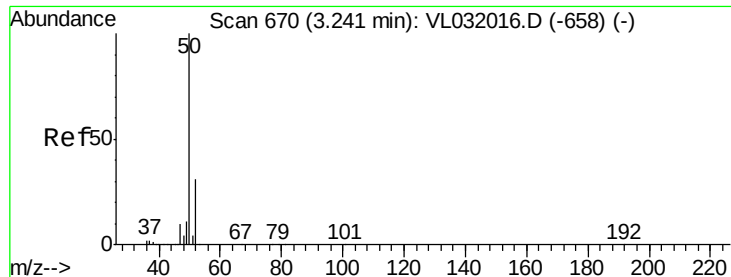
67 18.8 17.2 25.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.24 min Scan# 670

Delta R.T. 0.00 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

Instrument :

MSVOA_L

ClientSampleId :

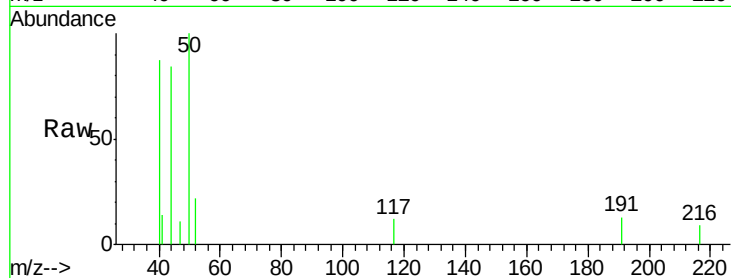
VSTDIC0.03

Tgt Ion: 50 Resp: 2066

Ion Ratio Lower Upper

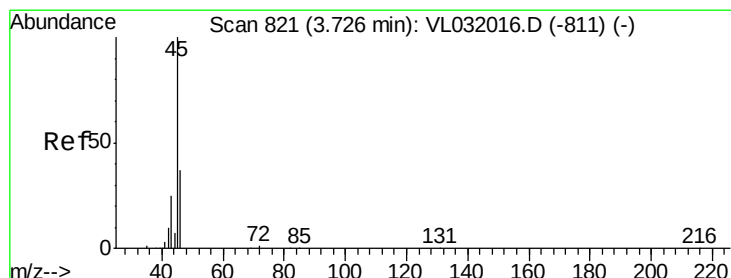
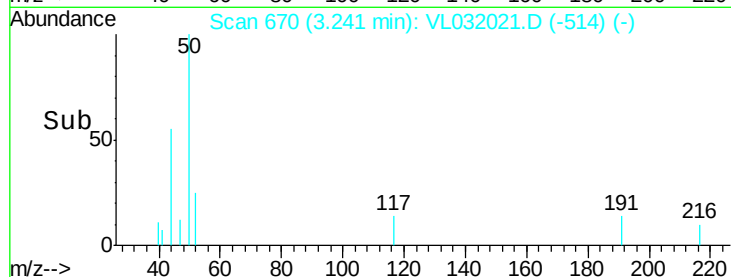
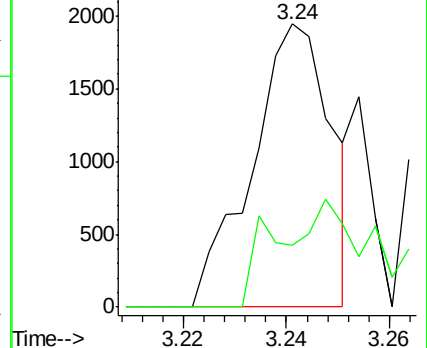
50 100

52 22.0 25.0 37.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#13

Ethanol

Concen: 0.04 ppbv

RT: 3.74 min Scan# 826

Delta R.T. 0.02 min

Lab File: VL032021.D

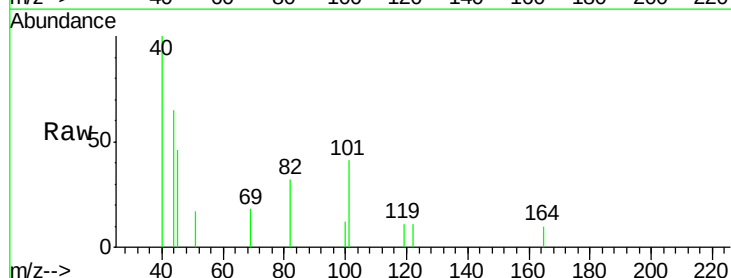
Acq: 31 May 2018 19:23

Tgt Ion: 45 Resp: 633

Ion Ratio Lower Upper

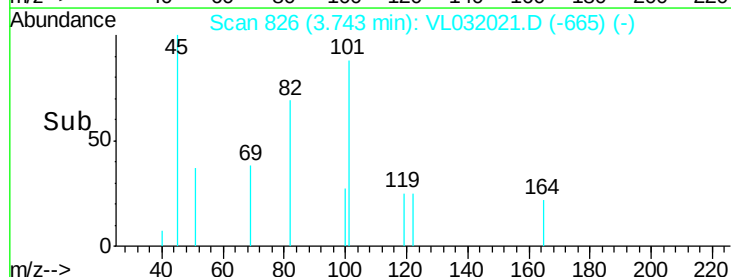
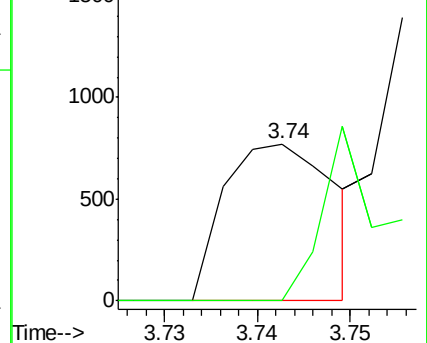
45 100

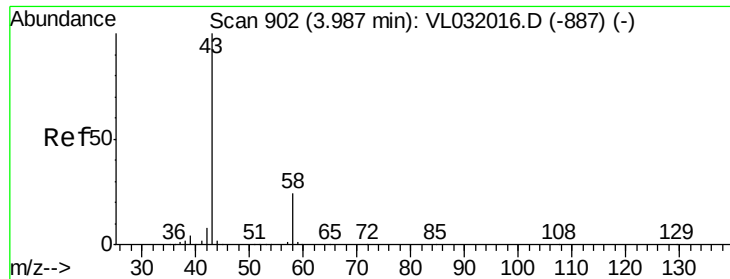
46 108.7 14.9 59.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.12 ppbv

RT: 4.00 min Scan# 907

Delta R.T. 0.02 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

Instrument :

MSVOA_L

ClientSampleId :

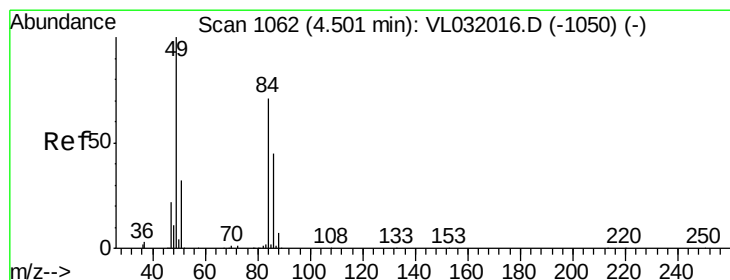
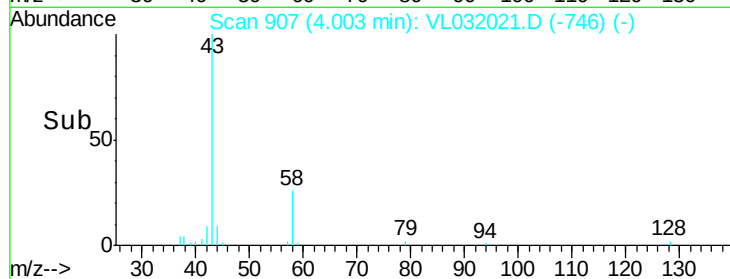
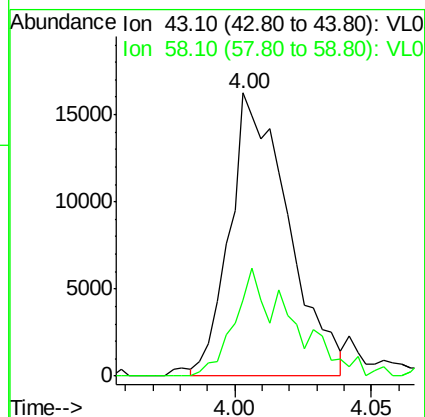
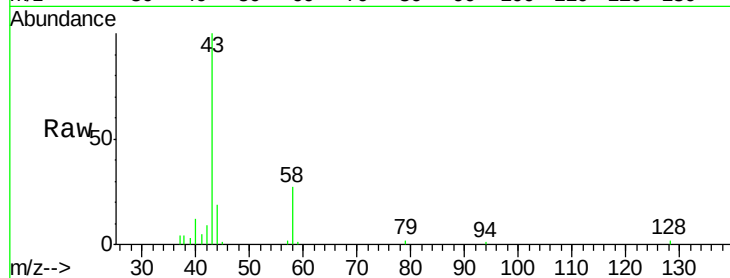
VSTDIC0.03

Tgt Ion: 43 Resp: 24122

Ion Ratio Lower Upper

43 100

58 40.2 20.7 31.1#



#20

Methylene Chloride

Concen: 0.14 ppbv

RT: 4.50 min Scan# 1061

Delta R.T. -0.00 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

Tgt Ion: 84 Resp: 9389

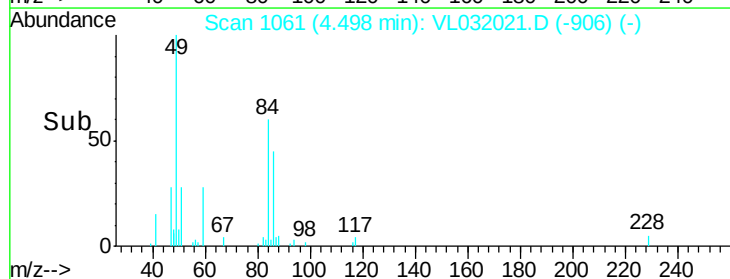
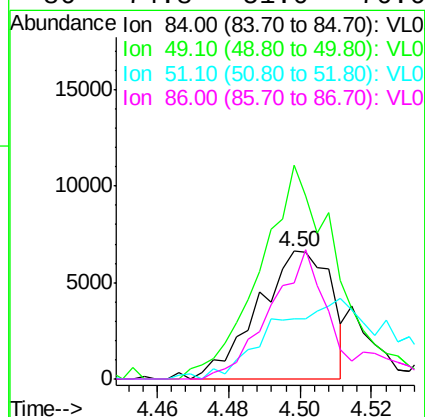
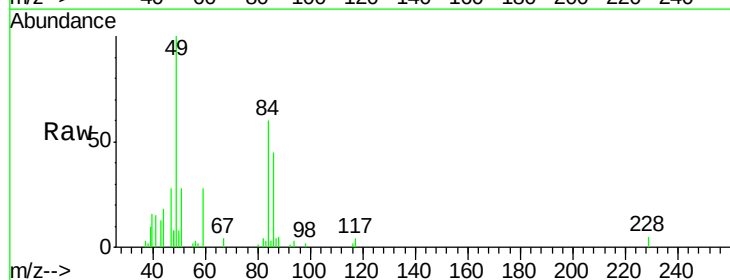
Ion Ratio Lower Upper

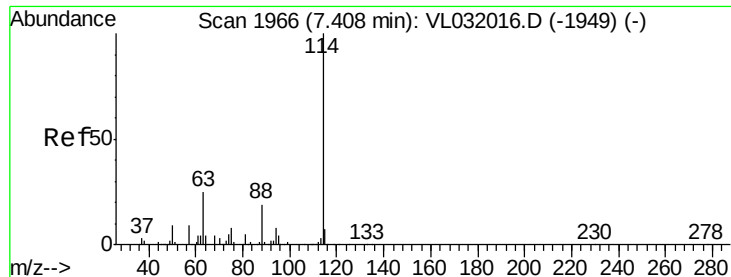
84 100

49 171.9 113.0 169.4#

51 42.8 36.4 54.6

86 74.8 51.0 76.6

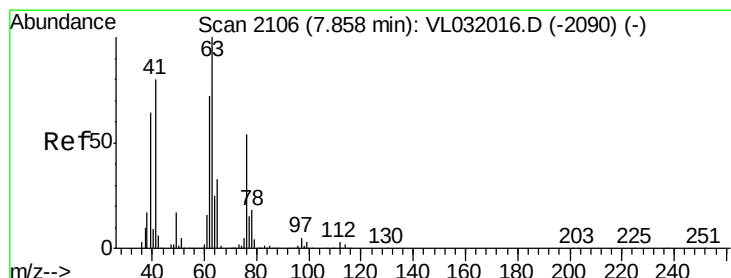
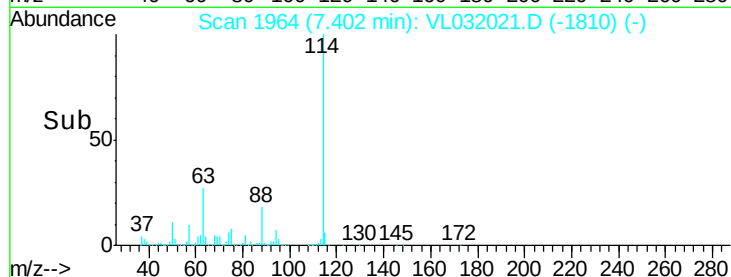
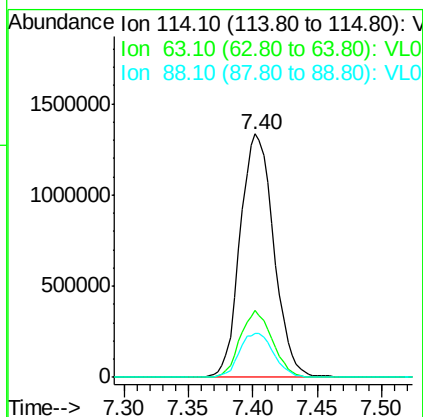
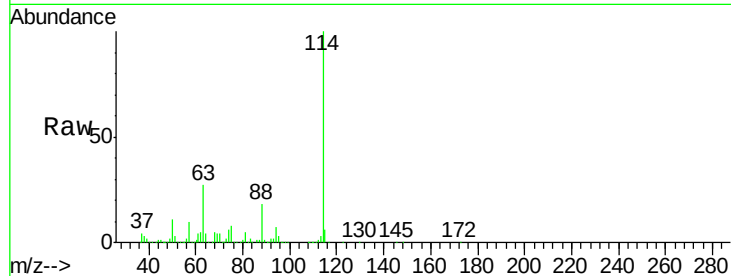




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.40 min Scan# 1964
 Delta R.T. -0.01 min
 Lab File: VL032021.D
 Acq: 31 May 2018 19:23

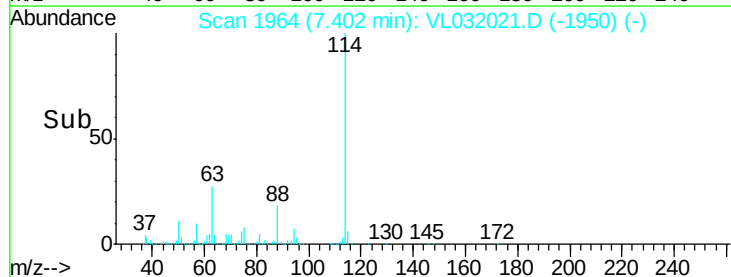
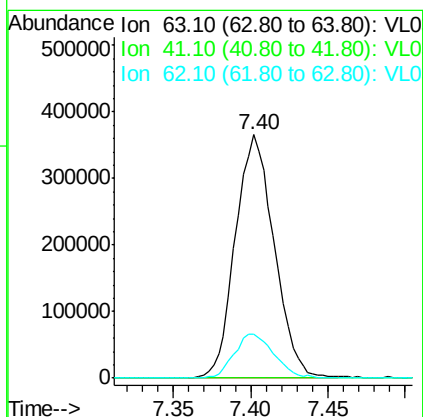
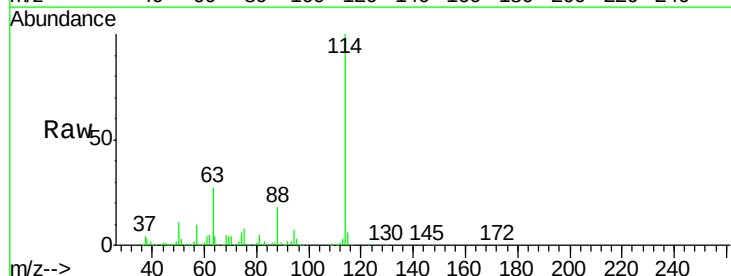
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

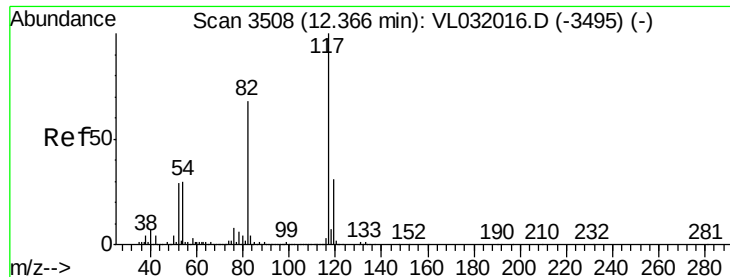
Tgt Ion: 114 Resp: 2428370
 Ion Ratio Lower Upper
 114 100
 63 26.5 21.1 31.7
 88 18.5 14.8 22.2



#39
 1,2-Dichloropropane
 Concen: 7.95 ppbv
 RT: 7.40 min Scan# 1964
 Delta R.T. -0.46 min
 Lab File: VL032021.D
 Acq: 31 May 2018 19:23

Tgt Ion: 63 Resp: 635048
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.0 96.0#
 62 18.0 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: VL032021.D

Acq: 31 May 2018 19:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

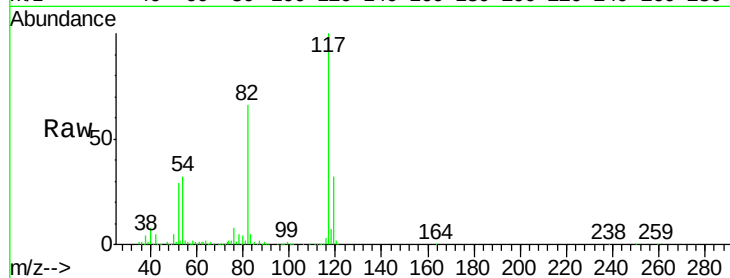
Tgt Ion: 117 Resp: 2438527

Ion Ratio Lower Upper

117 100

82 68.6 52.7 79.1

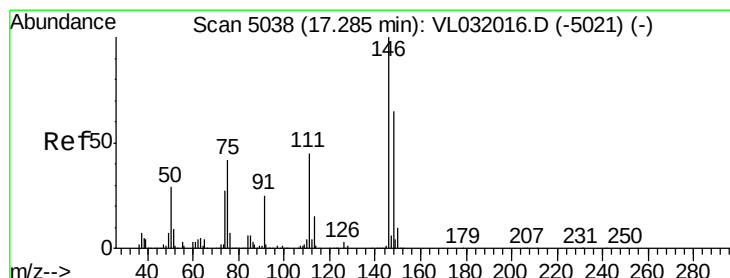
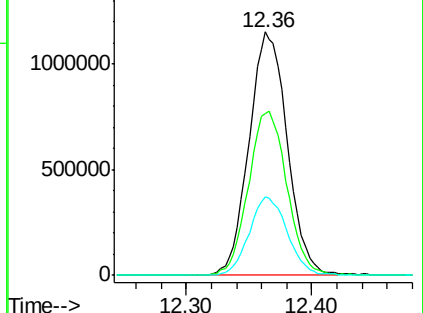
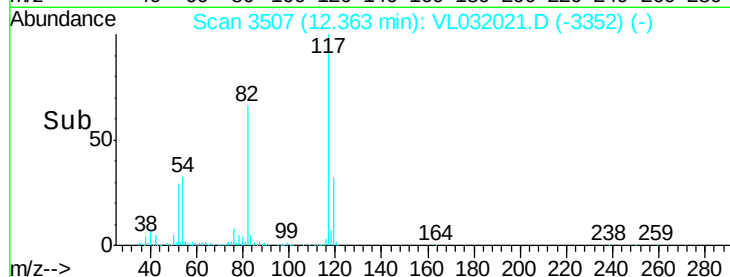
119 32.4 25.5 38.3



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#66

Benzyl Chloride

Concen: 0.04 ppbv

RT: 17.28 min Scan# 5036

Delta R.T. -0.01 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

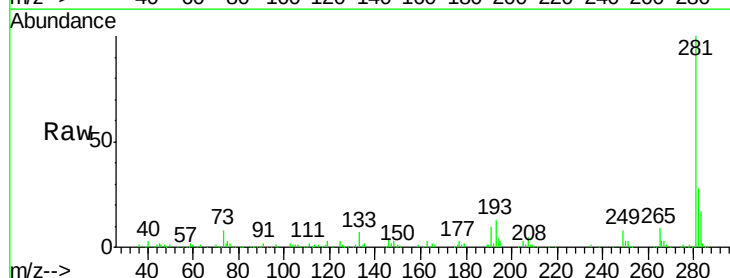
Tgt Ion: 91 Resp: 1418

Ion Ratio Lower Upper

91 100

126 0.0 14.2 21.2#

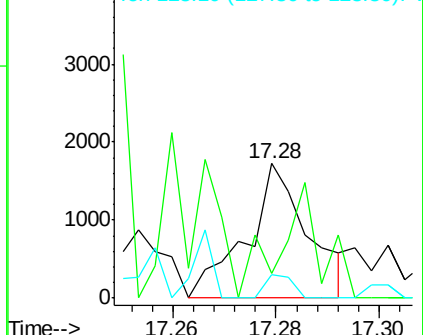
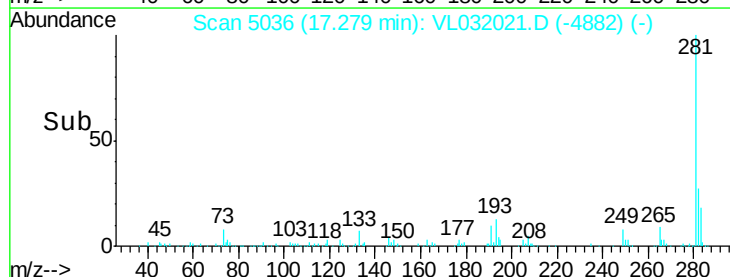
128 12.3 4.5 6.7#

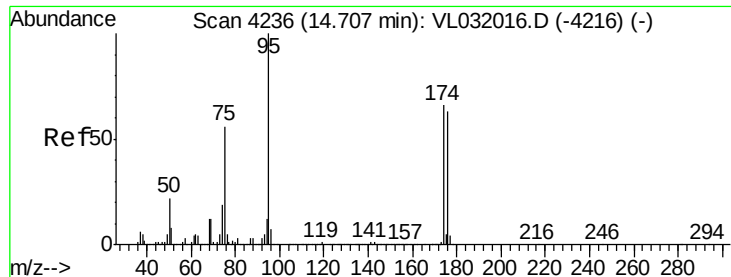


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.05 ppbv

RT: 14.70 min Scan# 4235

Delta R.T. -0.00 min

Lab File: VL032021.D

Acq: 31 May 2018 19:23

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

Tgt Ion: 95 Resp: 1903914

Ion Ratio Lower Upper

95 100

174 66.5 53.2 79.8

175 4.8 3.7 5.5

