

Data File : VL032704.D
Acq On : 30 Oct 2018 18:44
Operator : SY/AP
Sample : J5702-01DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
FIA-1DDL2

Quant Time: Oct 31 05:10:37 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LThu Oct 25 05:15:43 2018
QLast Update : Thu Oct 25 05:15:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1327788	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3205439	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3240958	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2407057	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

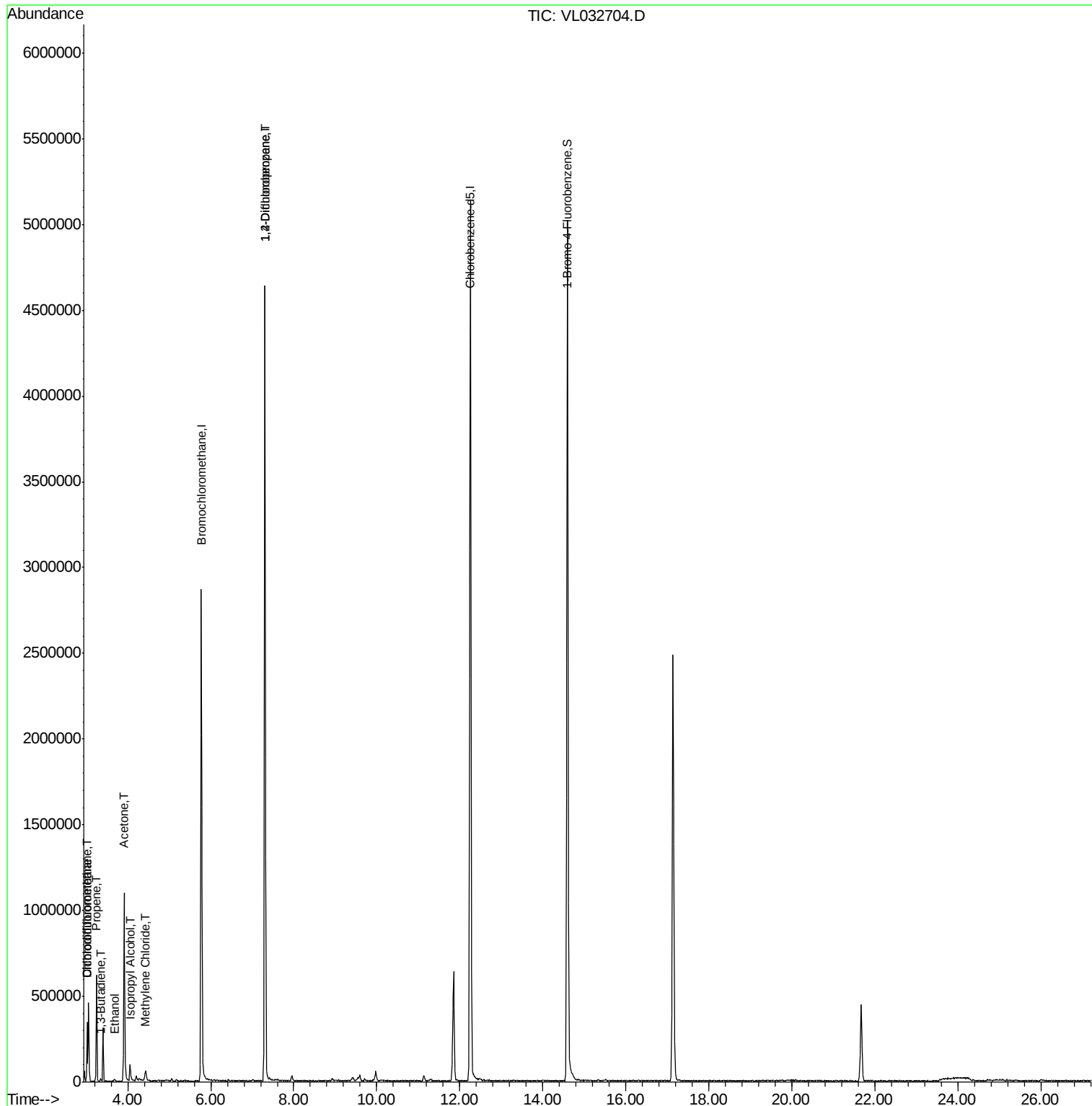
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	4866	0.036	ppbv	93
3) Chlorodifluoromethane	3.02	51	309715	2.983	ppbv	100
9) Propene	3.25	41	177008	4.142	ppbv	93
13) Ethanol	3.67	45	8998	0.737	ppbv	89
15) Acetone	3.91	43	1151142	9.389	ppbv	98
16) 1,3-Butadiene	3.35	39	1691	0.037	ppbv #	1
19) Isopropyl Alcohol	4.06	45	98518	1.128	ppbv #	93
20) Methylene Chloride	4.41	84	2832	0.046	ppbv #	71
39) 1,2-Dichloropropane	7.30	63	808580	8.044	ppbv #	25

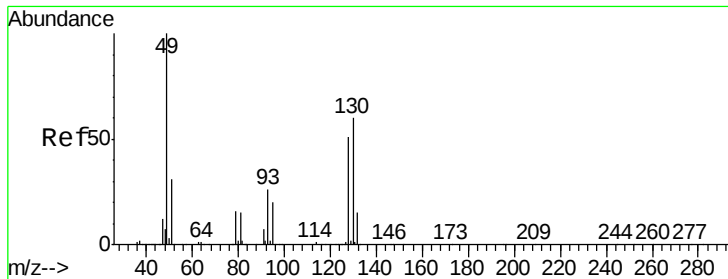
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

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ClientSampleId :

FIA-1DDL2

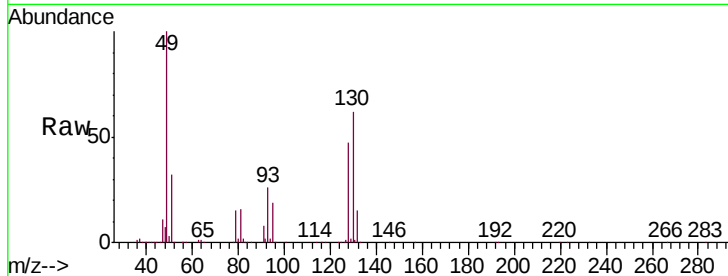
Tgt Ion: 49 Resp: 1327788

Ion Ratio Lower Upper

49 100

128 49.2 22.3 66.8

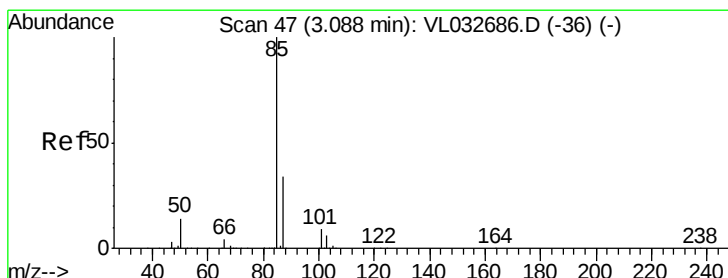
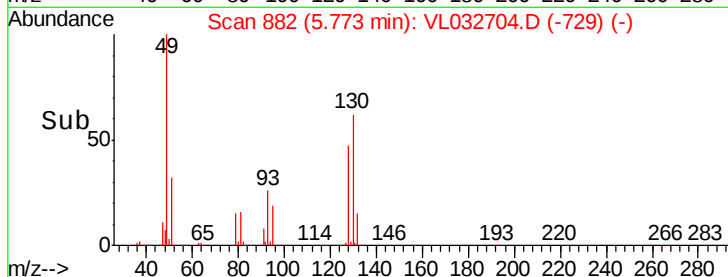
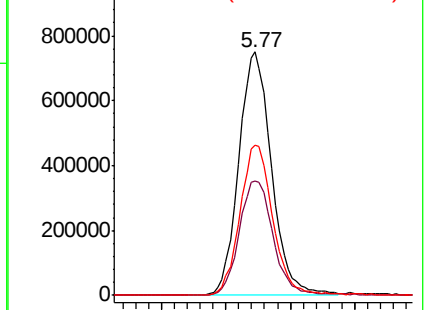
130 62.5 28.4 85.3



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



#2

Dichlorodifluoromethane

Concen: 0.036 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.06 min

Lab File: VL032704.D

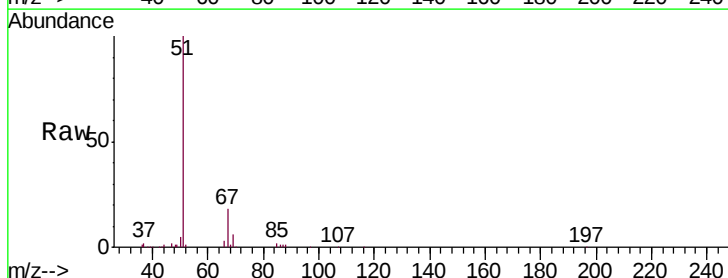
Acq: 30 Oct 2018 18:44

Tgt Ion: 85 Resp: 4866

Ion Ratio Lower Upper

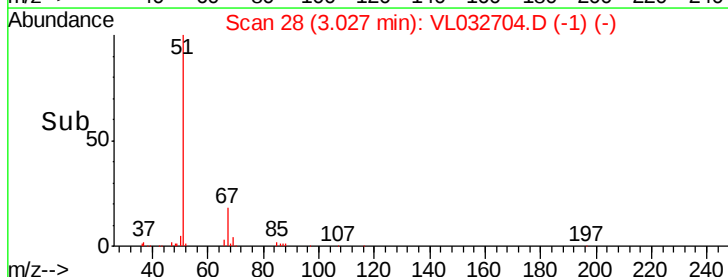
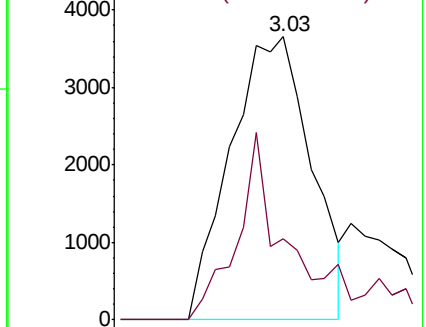
85 100

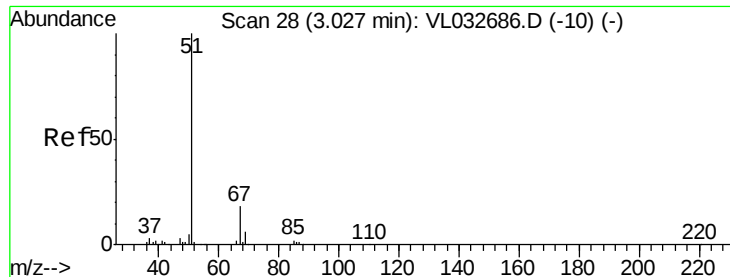
87 28.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 2.983 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

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Acq: 30 Oct 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

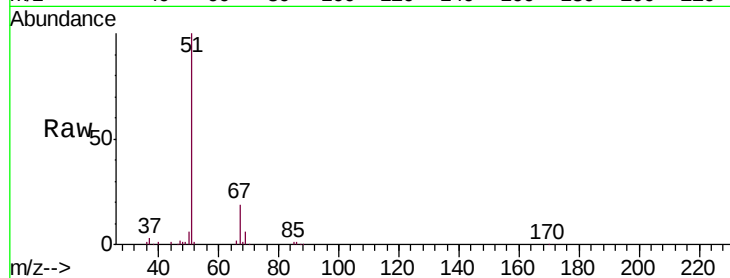
FIA-1DDL2

Tgt Ion: 51 Resp: 309715

Ion Ratio Lower Upper

51 100

67 18.8 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

250000

200000

150000

100000

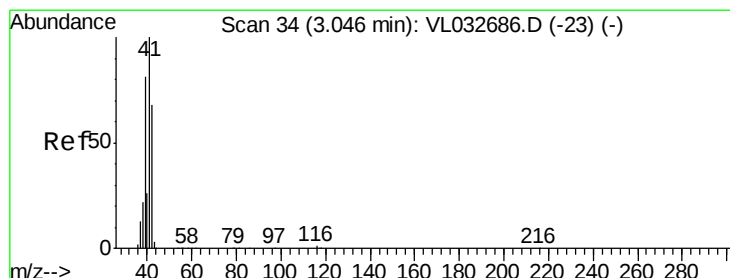
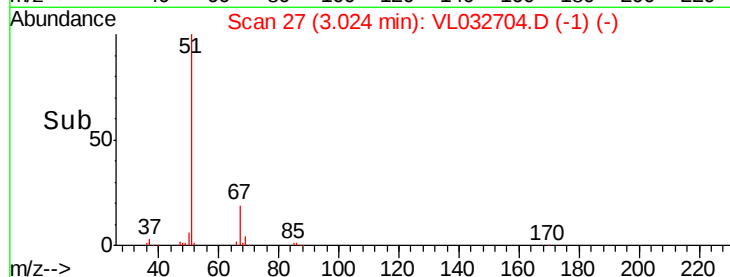
50000

0

3.02

3.00 3.10

Time-->



#9

Propene

Concen: 4.142 ppbv

RT: 3.25 min Scan# 96

Delta R.T. 0.20 min

Lab File: VL032704.D

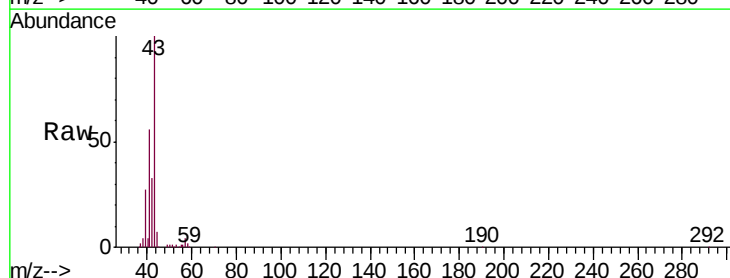
Acq: 30 Oct 2018 18:44

Tgt Ion: 41 Resp: 177008

Ion Ratio Lower Upper

41 100

42 63.5 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

150000

100000

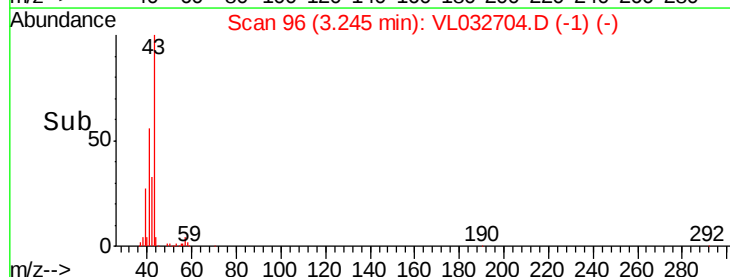
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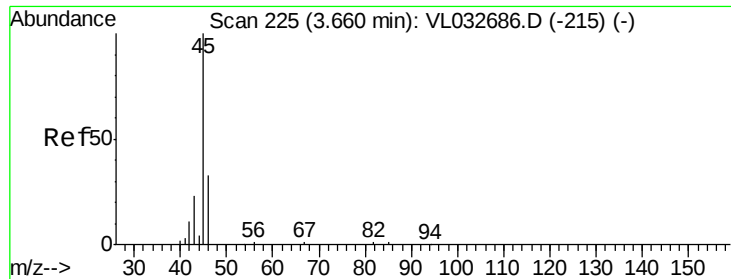
0

3.25

3.20 3.30

Time-->





#13

Ethanol

Concen: 0.737 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.01 min

Lab File: VL032704.D

Acq: 30 Oct 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

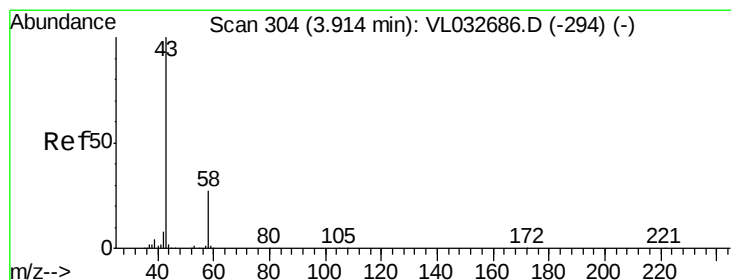
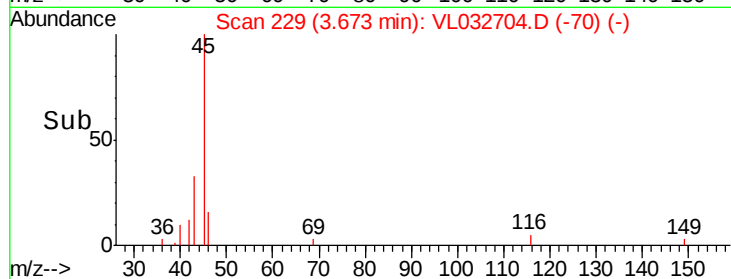
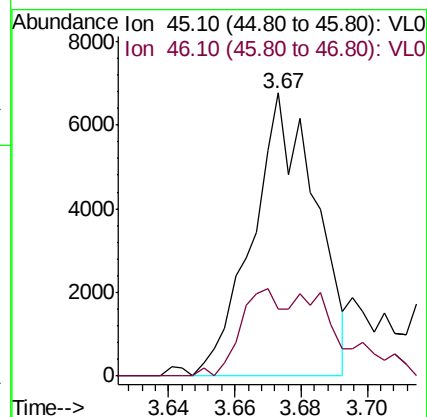
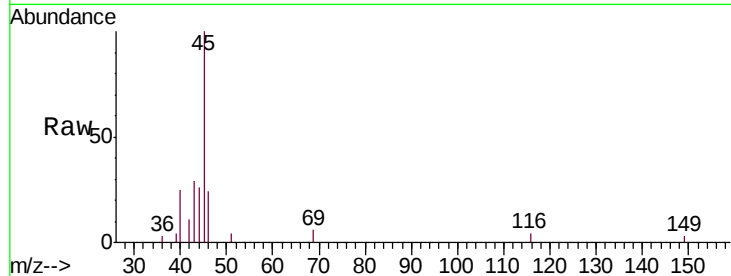
FIA-1DDL2

Tgt Ion: 45 Resp: 8998

Ion Ratio Lower Upper

45 100

46 45.1 15.4 61.8



#15

Acetone

Concen: 9.389 ppbv

RT: 3.91 min Scan# 303

Delta R.T. -0.00 min

Lab File: VL032704.D

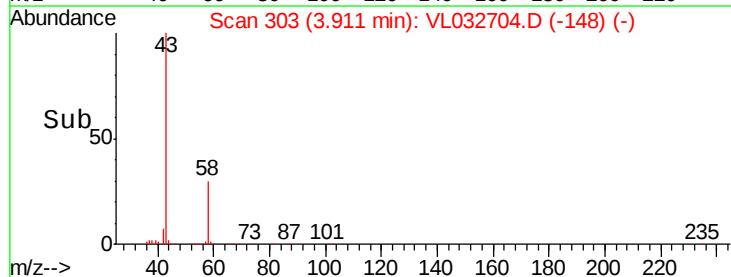
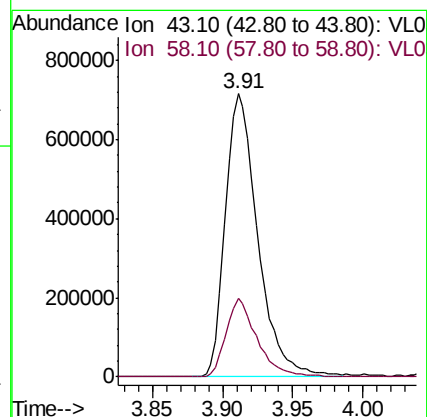
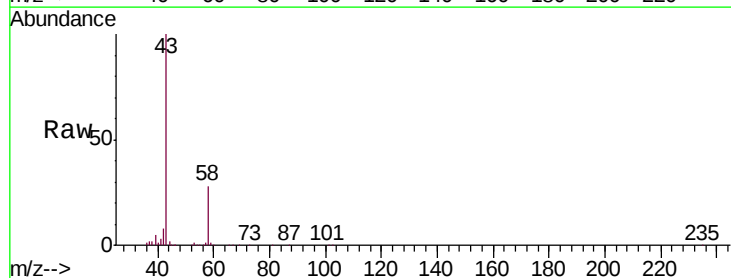
Acq: 30 Oct 2018 18:44

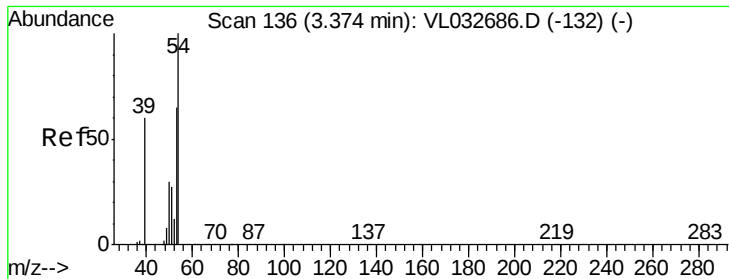
Tgt Ion: 43 Resp: 1151142

Ion Ratio Lower Upper

43 100

58 26.6 22.1 33.1

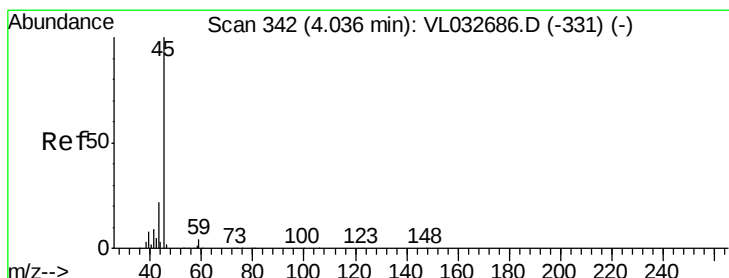
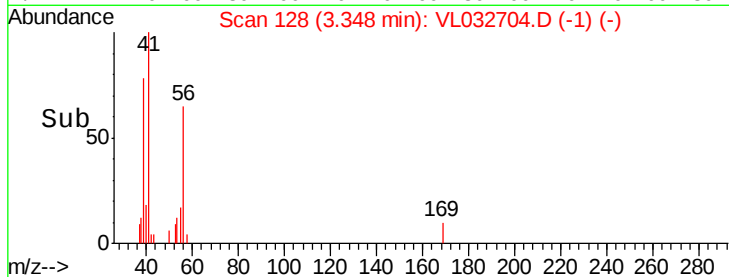
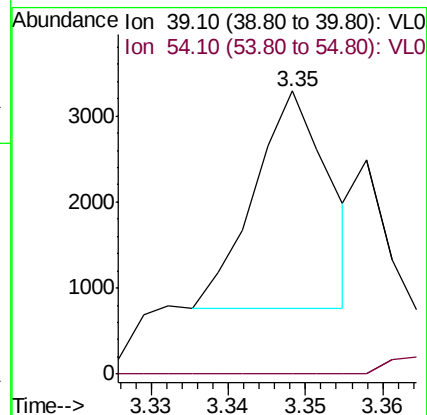
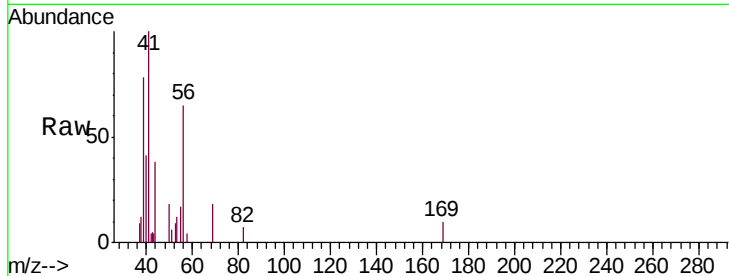




#16
 1,3-Butadiene
 Concen: 0.037 ppbv
 RT: 3.35 min Scan# 128
 Delta R.T. -0.03 min
 Lab File: VL032704.D
 Acq: 30 Oct 2018 18:44

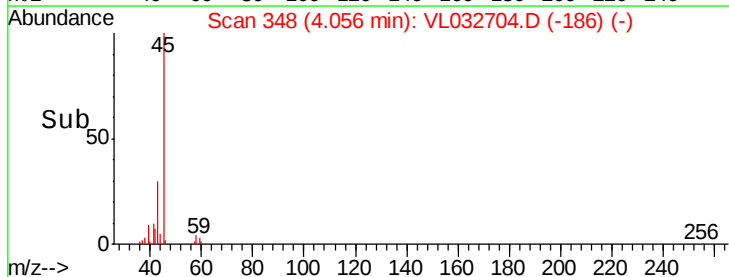
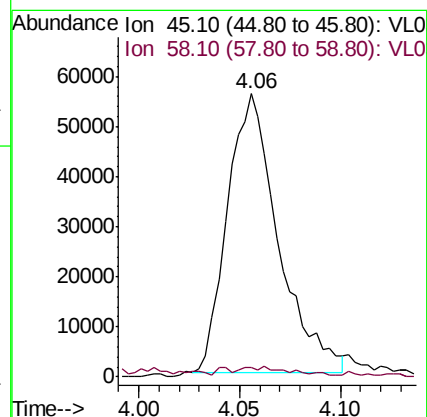
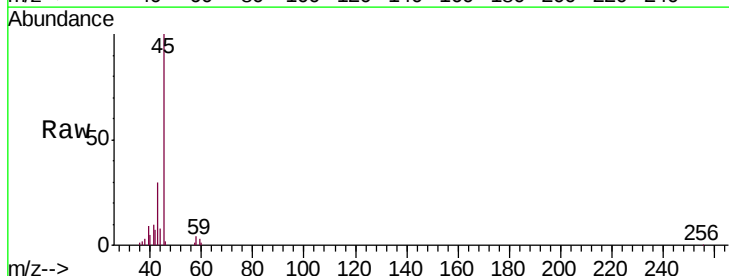
Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1DDL2

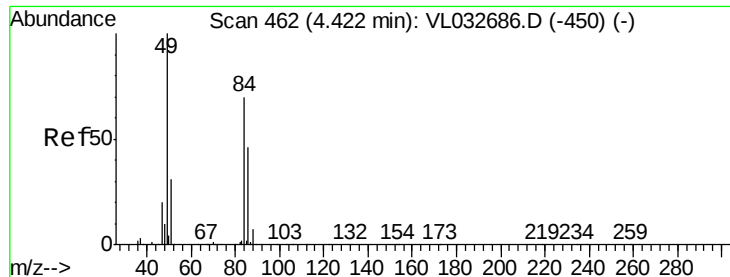
Tgt Ion: 39 Resp: 1691
 Ion Ratio Lower Upper
 39 100
 54 6.3 90.4 135.6#



#19
 Isopropyl Alcohol
 Concen: 1.128 ppbv
 RT: 4.06 min Scan# 348
 Delta R.T. 0.02 min
 Lab File: VL032704.D
 Acq: 30 Oct 2018 18:44

Tgt Ion: 45 Resp: 98518
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.0 3.0#

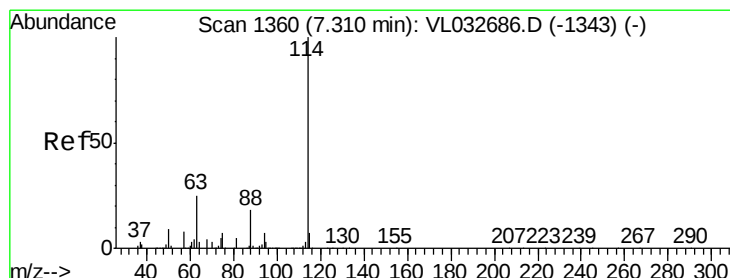
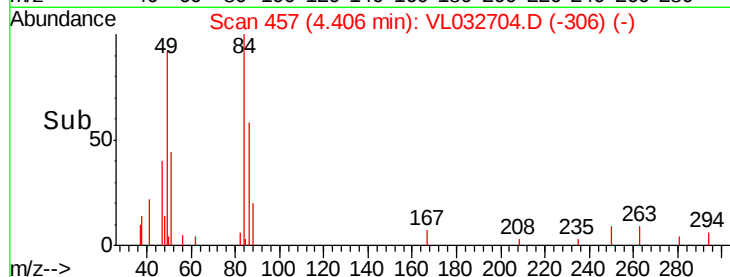
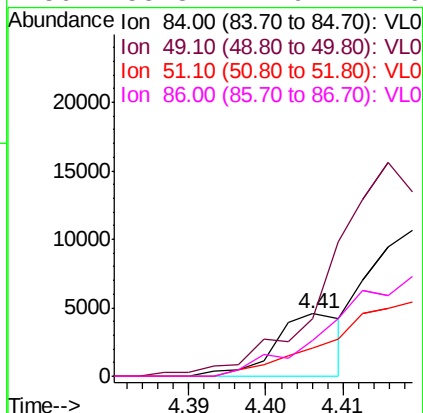
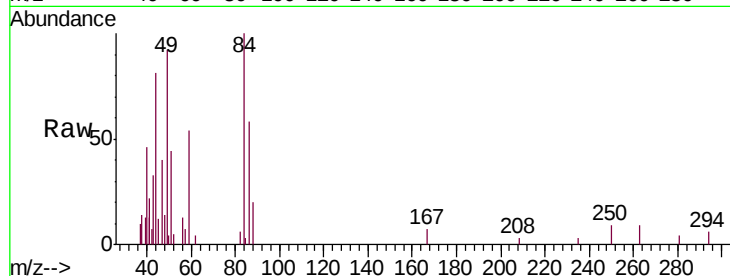




#20
Methylene Chloride
Concen: 0.046 ppbv
RT: 4.41 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL032704.D
Acq: 30 Oct 2018 18:44

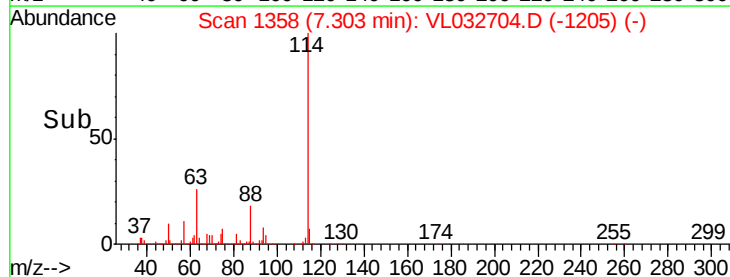
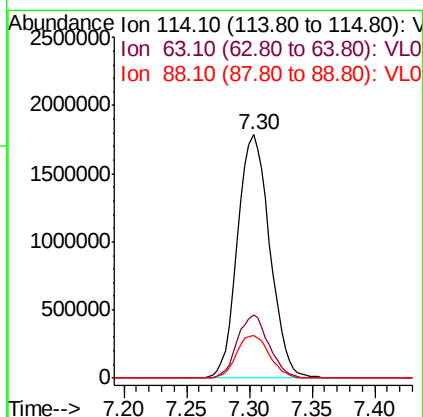
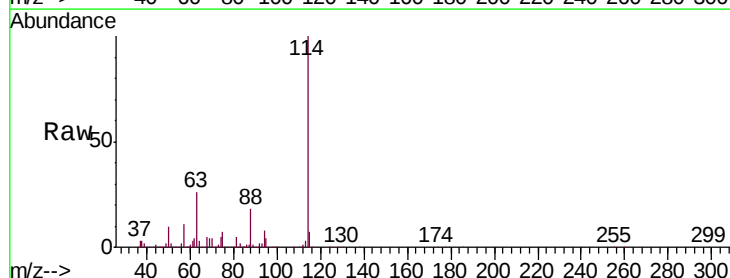
Instrument :
MSVOA_L
ClientSampleId :
FIA-1DDL2

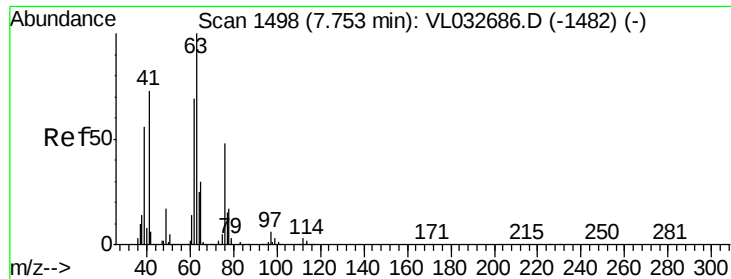
Tgt Ion:	84	Resp:	2832
Ion	Ratio	Lower	Upper
84	100		
49	83.0	113.5	170.3#
51	42.8	34.8	52.2
86	55.8	47.9	71.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.30 min Scan# 1358
Delta R.T. -0.01 min
Lab File: VL032704.D
Acq: 30 Oct 2018 18:44

Tgt Ion:	114	Resp:	3205439
Ion	Ratio	Lower	Upper
114	100		
63	25.5	21.7	32.5
88	17.9	14.9	22.3





#39

1,2-Dichloropropane

Concen: 8.044 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032704.D

Acq: 30 Oct 2018 18:44

Instrument :

MSVOA_L

ClientSampleId :

FIA-1DDL2

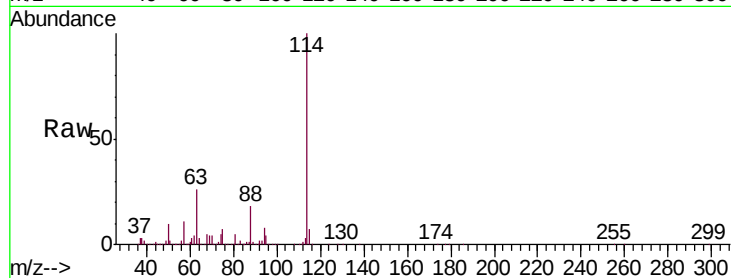
Tgt Ion: 63 Resp: 808580

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

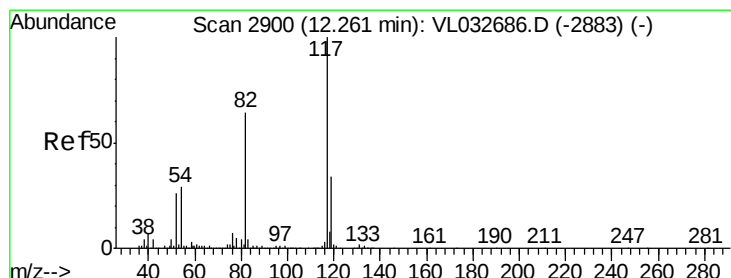
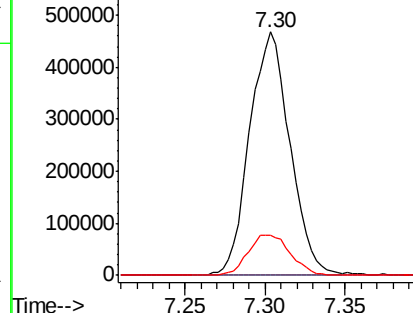
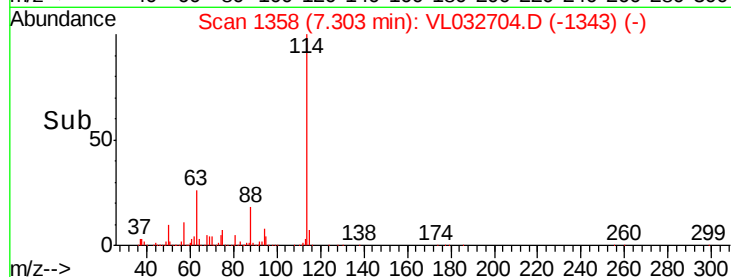
62 16.3 54.4 81.6#



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# 2898

Delta R.T. -0.00 min

Lab File: VL032704.D

Acq: 30 Oct 2018 18:44

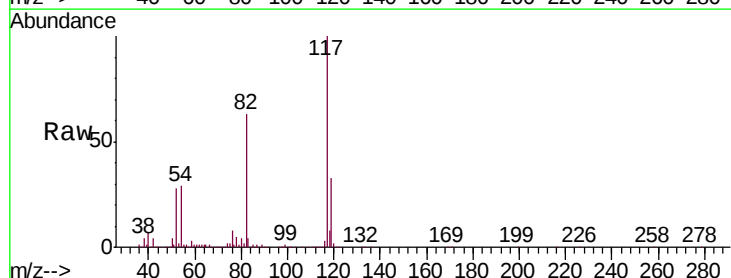
Tgt Ion: 117 Resp: 3240958

Ion Ratio Lower Upper

117 100

82 65.4 52.7 79.1

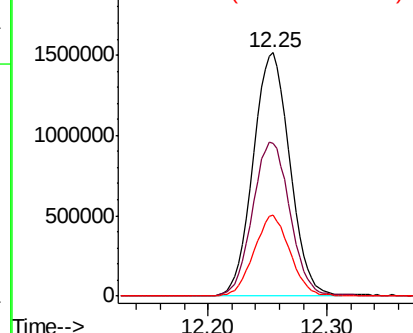
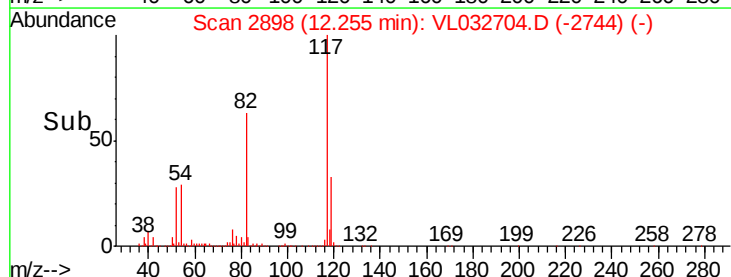
119 32.7 26.7 40.1

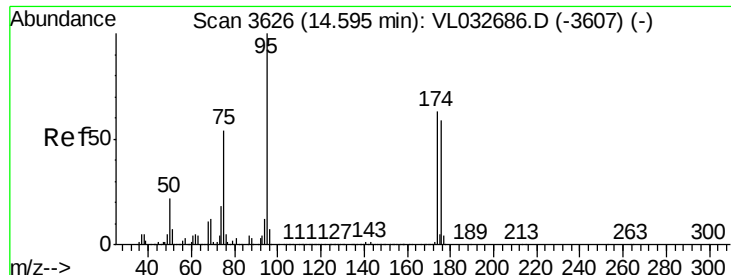


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.975 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. -0.00 min

Lab File: VL032704.D

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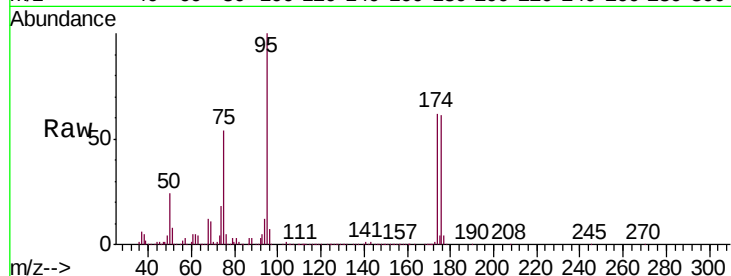
Tgt Ion: 95 Resp: 2407057

Ion Ratio Lower Upper

95 100

174 64.8 46.0 69.0

175 4.7 3.4 5.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

