

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025617.D
 Acq On : 7 Jul 2015 21:20
 Operator : SY/MD
 Sample : G2872-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

Quant Time: Jul 08 07:33:34 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
 QLast Update : Wed Jul 08 02:22:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.65	49	629068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1670082	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.74	117	2164670	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	1911395	10.47	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

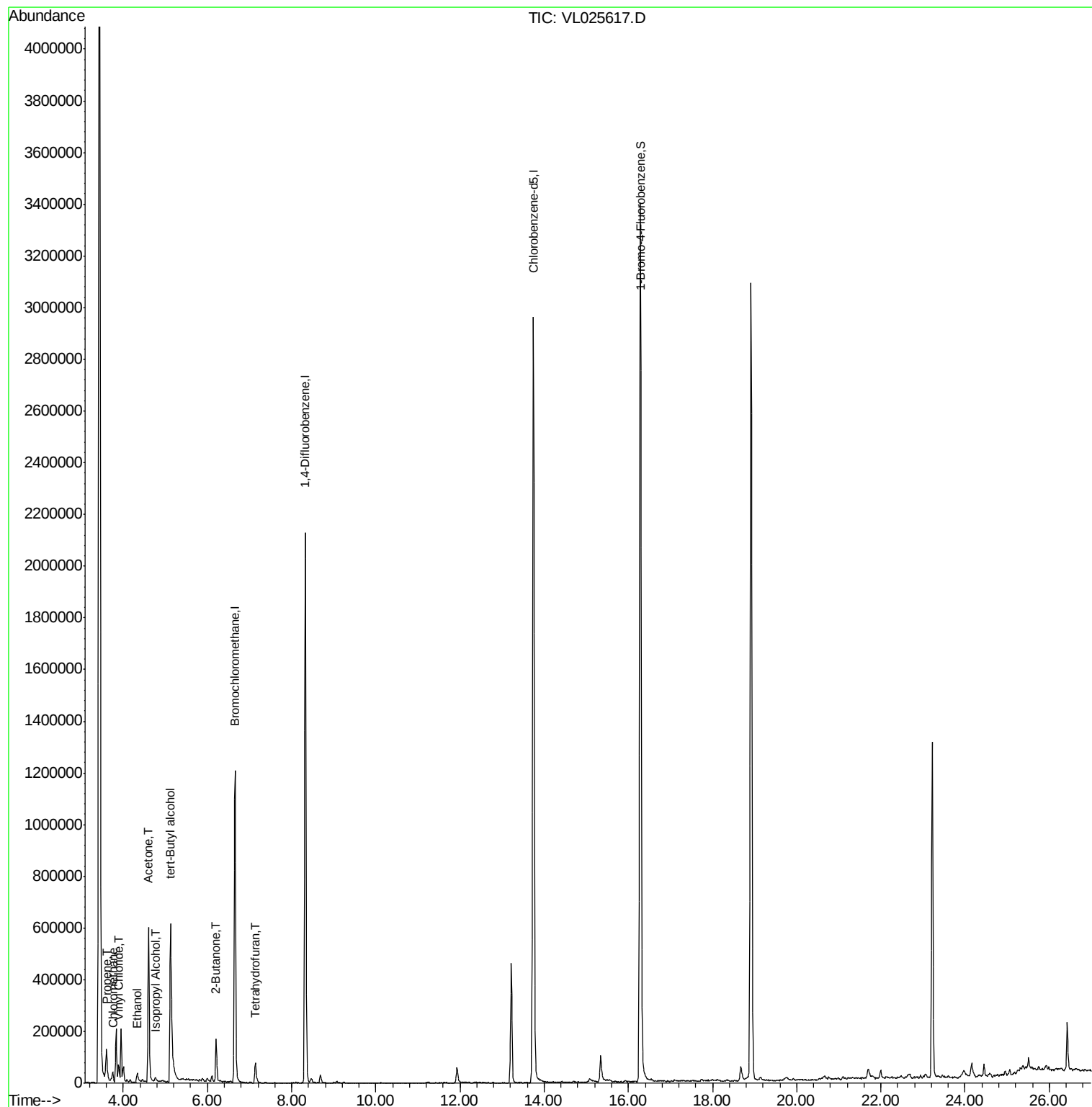
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.76	50	5273	0.13	ppbv	90
5) Vinyl Chloride	3.89	62	68893	1.58	ppbv	100
9) Propene	3.60	41	60504	2.05	ppbv	93
13) Ethanol	4.33	45	37777	8.25	ppbv	94
15) Acetone	4.60	43	820902	7.39	ppbv	97
17) tert-Butyl alcohol	5.12	59	935147	10.03	ppbv	99
19) Isopropyl Alcohol	4.76	45	13007	0.29	ppbv #	96
34) 2-Butanone	6.20	43	221172	2.33	ppbv	99
41) Tetrahydrofuran	7.14	42	44067	0.93	ppbv	99

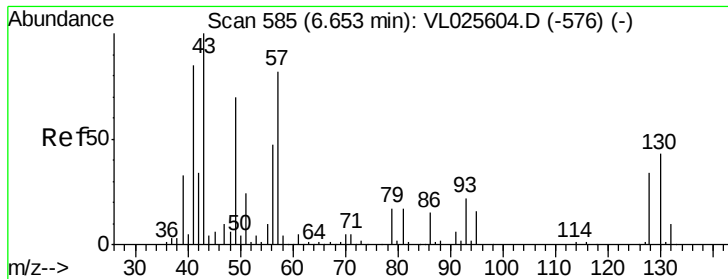
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
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QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.00 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

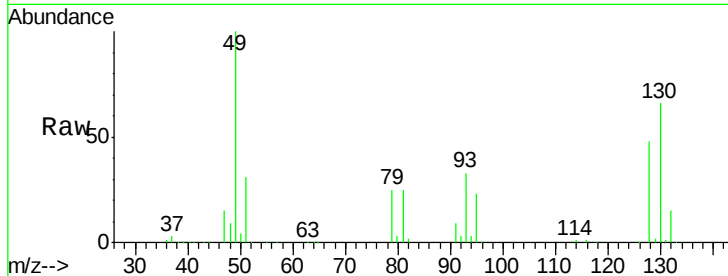
Tot Ion: 49 Resp: 629068

Ion Ratio Lower Upper

49 100

128 50.6 25.4 76.0

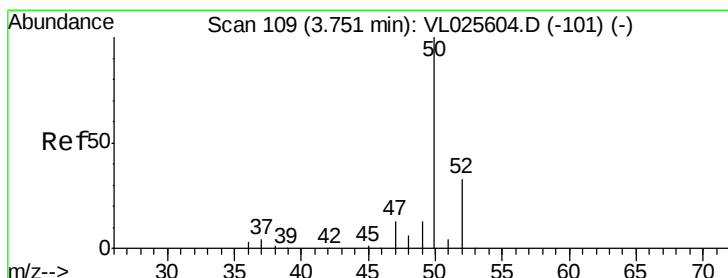
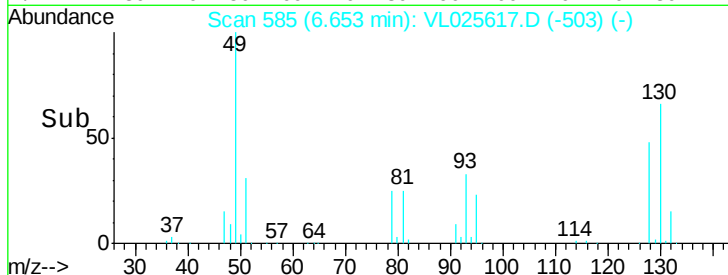
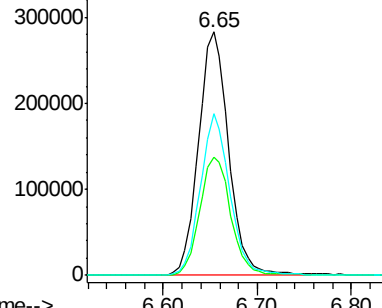
130 65.7 31.9 95.9



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



#4

Chloromethane

Concen: 0.13 ppbv

RT: 3.76 min Scan# 110

Delta R.T. 0.01 min

Lab File: VL025617.D

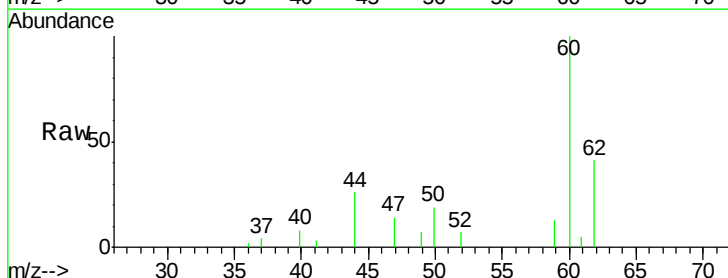
Acq: 7 Jul 2015 21:20

Tgt Ion: 50 Resp: 5273

Ion Ratio Lower Upper

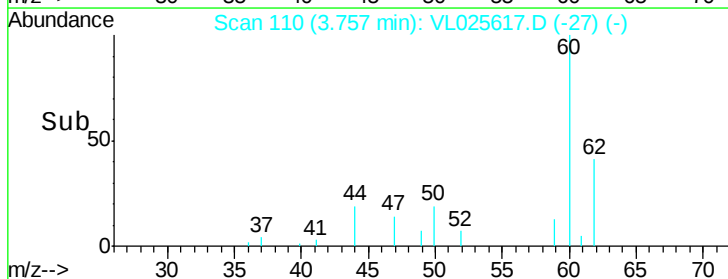
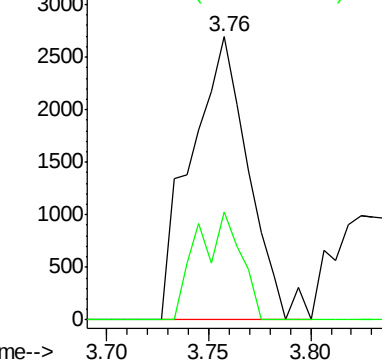
50 100

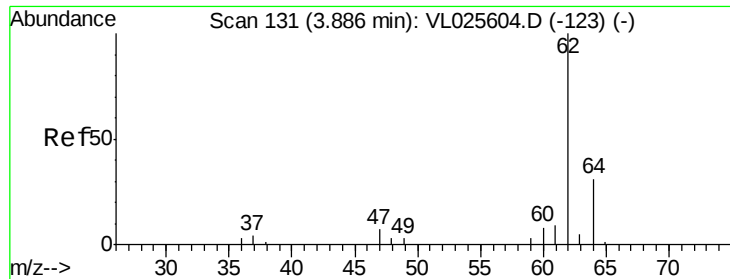
52 38.1 26.2 39.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.58 ppbv

RT: 3.89 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

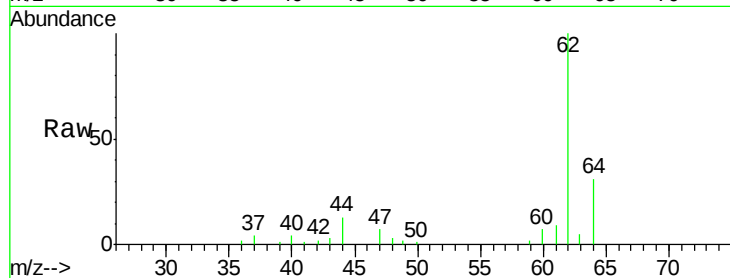
DIN46-EFFLUENT-070115DL

Tot Ion: 62 Resp: 68893

Ion Ratio Lower Upper

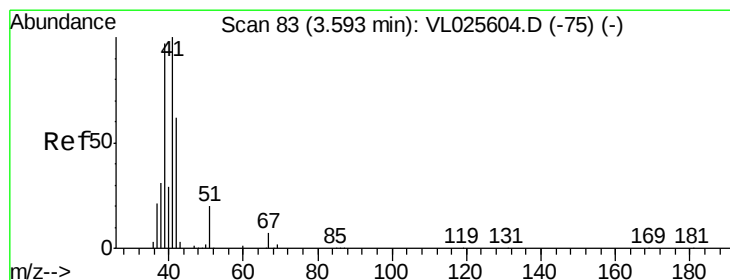
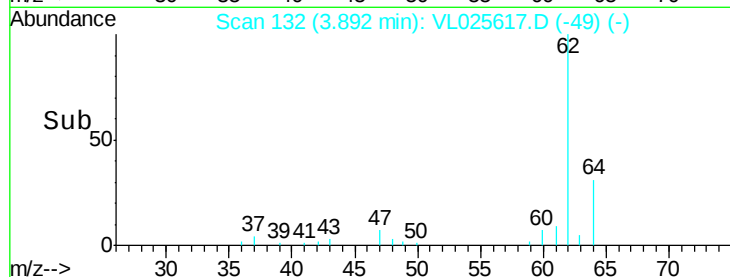
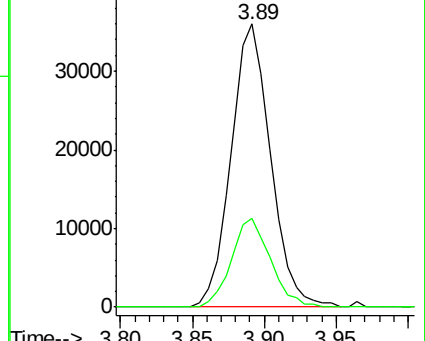
62 100

64 31.3 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#9

Propene

Concen: 2.05 ppbv

RT: 3.60 min Scan# 84

Delta R.T. 0.01 min

Lab File: VL025617.D

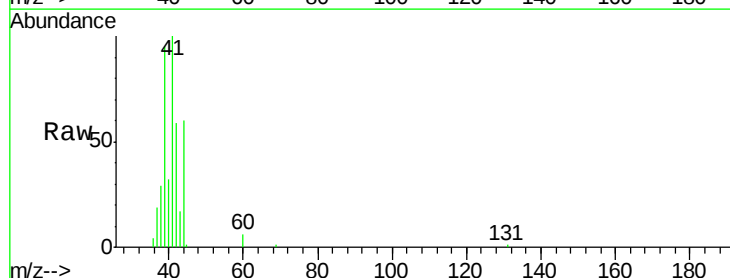
Acq: 7 Jul 2015 21:20

Tgt Ion: 41 Resp: 60504

Ion Ratio Lower Upper

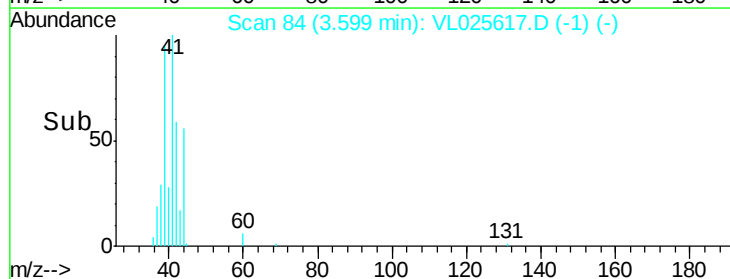
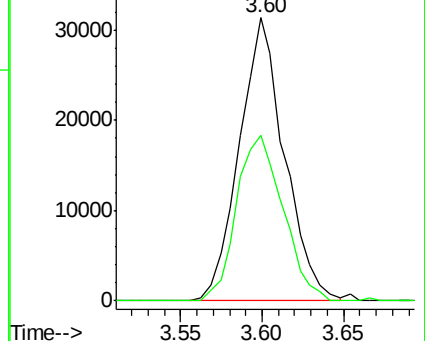
41 100

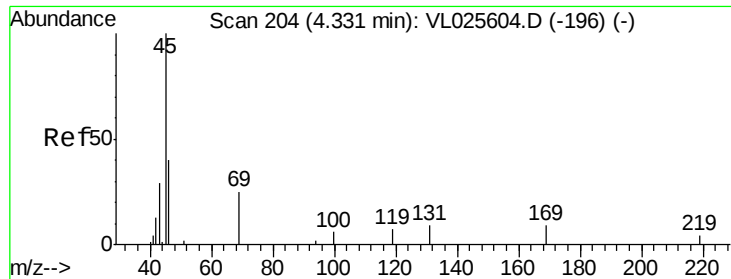
42 60.0 52.4 78.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

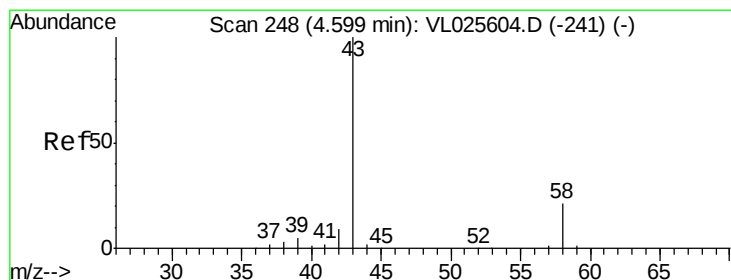
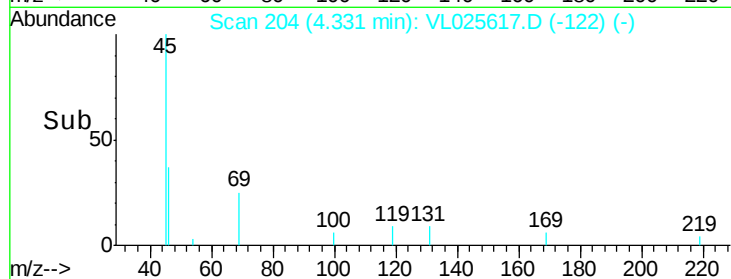
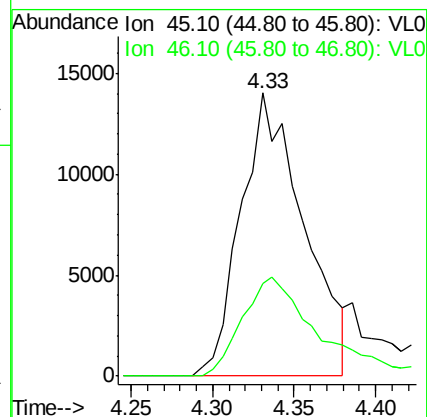
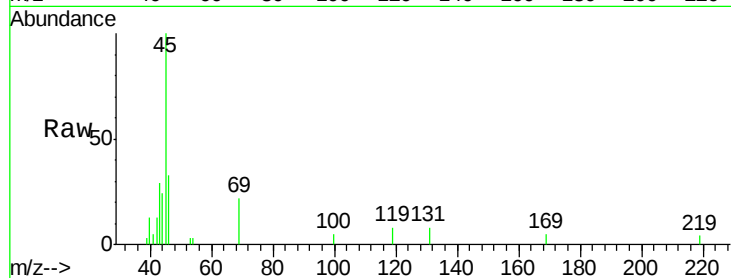




#13
Ethanol
Concen: 8.25 ppbv
RT: 4.33 min Scan# 204
Delta R.T. -0.00 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

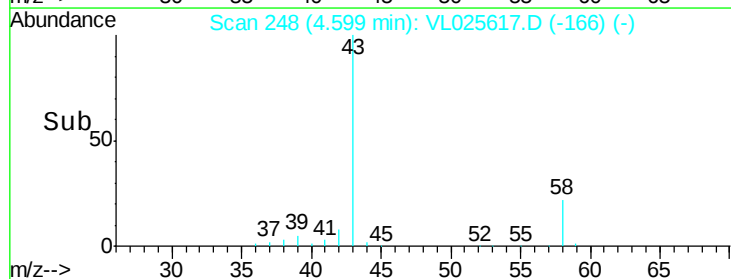
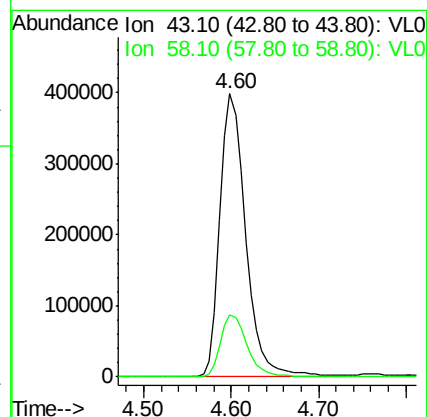
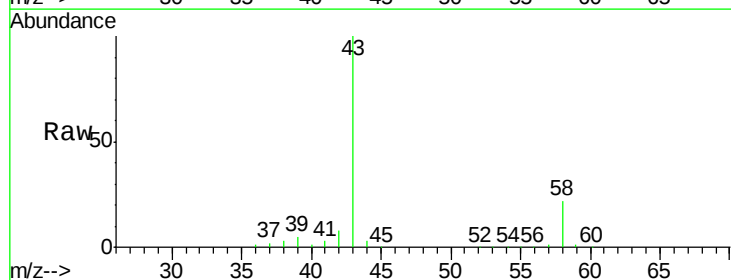
Instrument :
MSVOA_L
ClientSampleId :
DIN46-EFFLUENT-070115DL

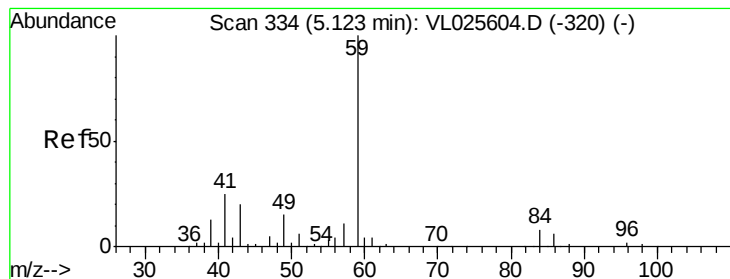
Tot Ion: 45 Resp: 37777
Ion Ratio Lower Upper
45 100
46 43.6 16.0 64.0



#15
Acetone
Concen: 7.39 ppbv
RT: 4.60 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL025617.D
Acq: 7 Jul 2015 21:20

Tgt Ion: 43 Resp: 820902
Ion Ratio Lower Upper
43 100
58 22.7 17.2 25.8



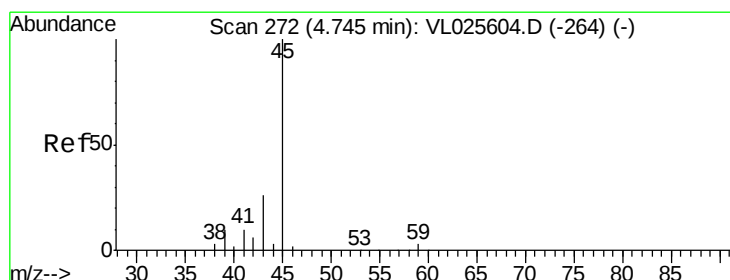
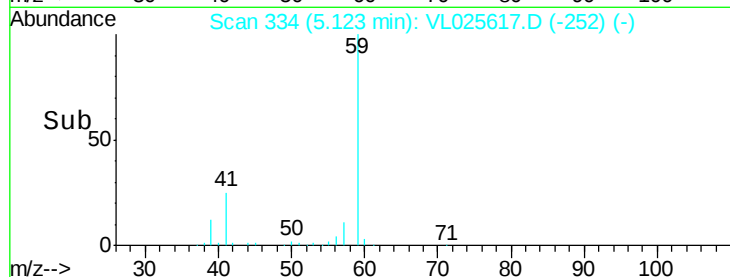
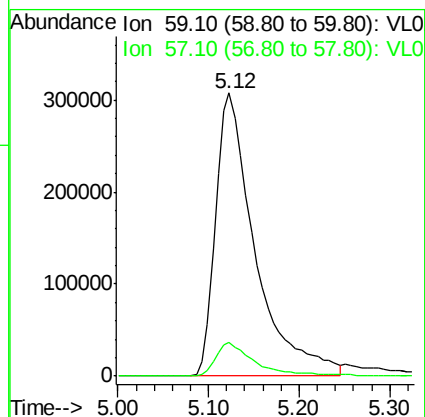
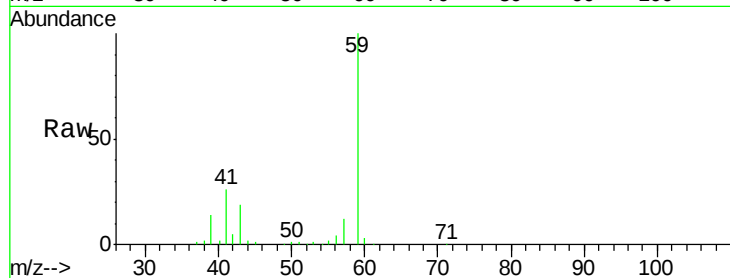


#17

tert-Butyl alcohol
 Concen: 10.03 ppbv
 RT: 5.12 min Scan# 334
 Delta R.T. -0.00 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-EFFLUENT-070115DL

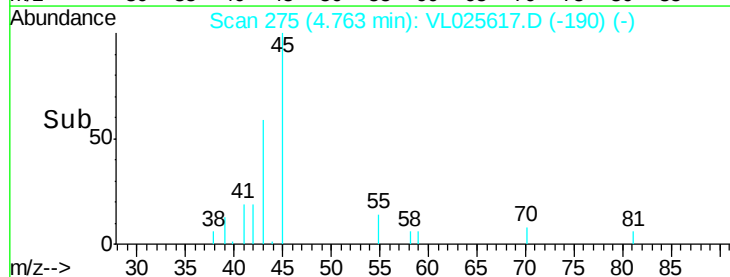
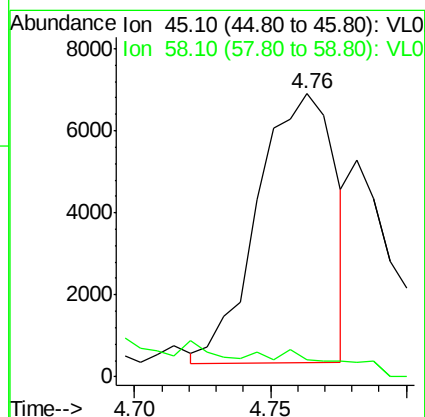
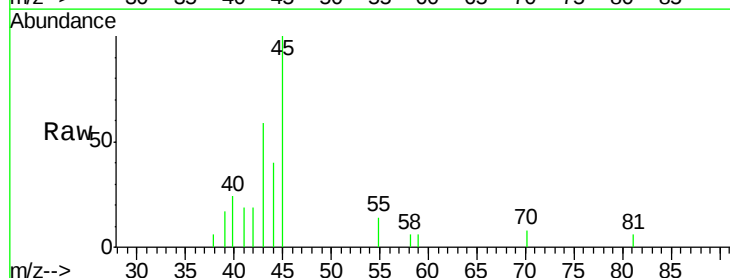
Tot Ion: 59 Resp: 935147
 Ion Ratio Lower Upper
 59 100
 57 12.3 9.4 14.2

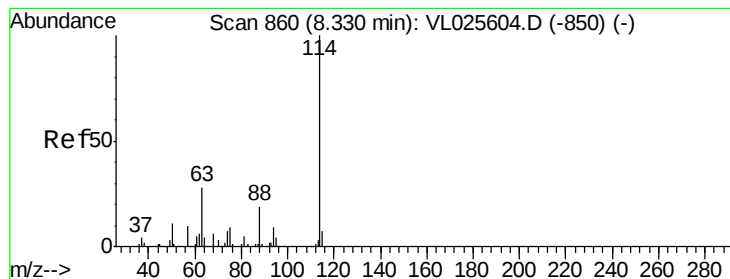


#19

Isopropyl Alcohol
 Concen: 0.29 ppbv
 RT: 4.76 min Scan# 275
 Delta R.T. 0.02 min
 Lab File: VL025617.D
 Acq: 7 Jul 2015 21:20

Tgt Ion: 45 Resp: 13007
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.1 1.7#





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.32 min Scan# 859

Delta R.T. -0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

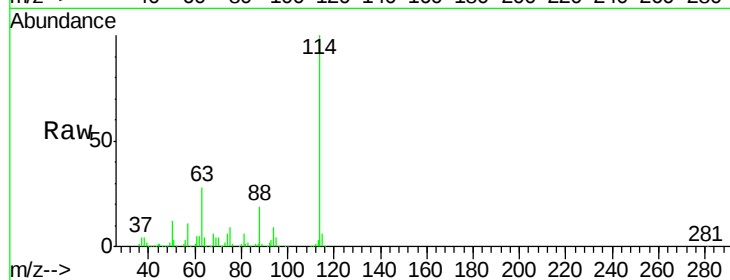
Tot Ion:114 Resp: 1670082

Ion Ratio Lower Upper

114 100

63 27.5 22.4 33.6

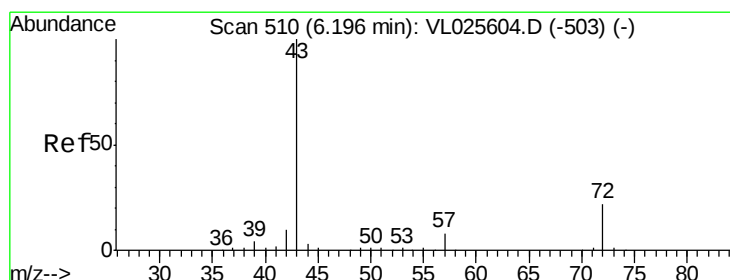
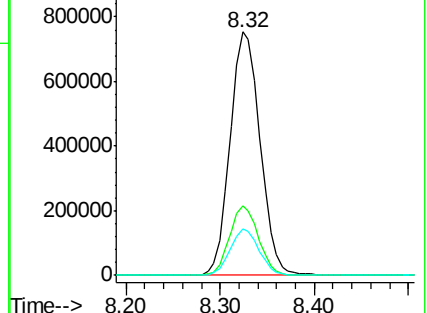
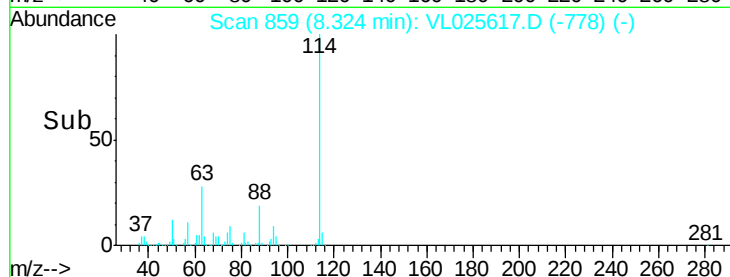
88 18.5 15.0 22.4



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



#34

2-Butanone

Concen: 2.33 ppbv

RT: 6.20 min Scan# 511

Delta R.T. 0.01 min

Lab File: VL025617.D

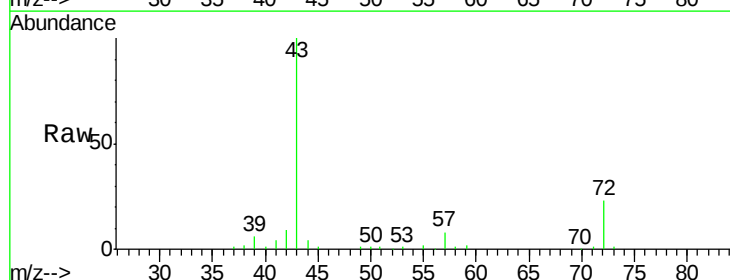
Acq: 7 Jul 2015 21:20

Tgt Ion: 43 Resp: 221172

Ion Ratio Lower Upper

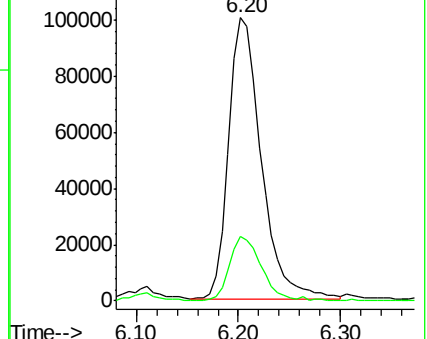
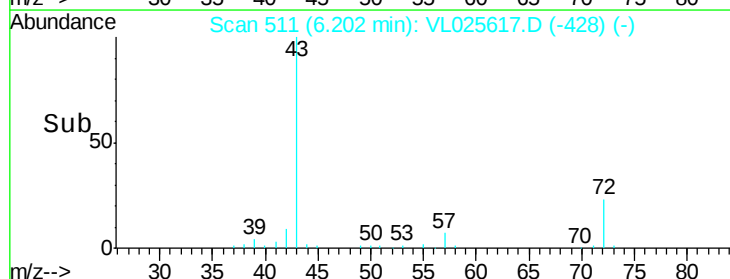
43 100

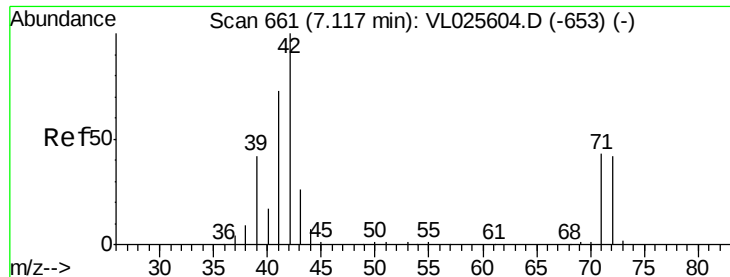
72 23.0 18.6 28.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#41

Tetrahydrofuran

Concen: 0.93 ppbv

RT: 7.14 min Scan# 665

Delta R.T. 0.02 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

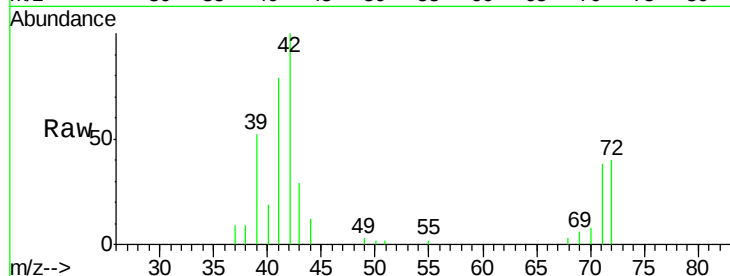
Tot Ion: 42 Resp: 44067

Ion Ratio Lower Upper

42 100

72 42.3 34.0 51.0

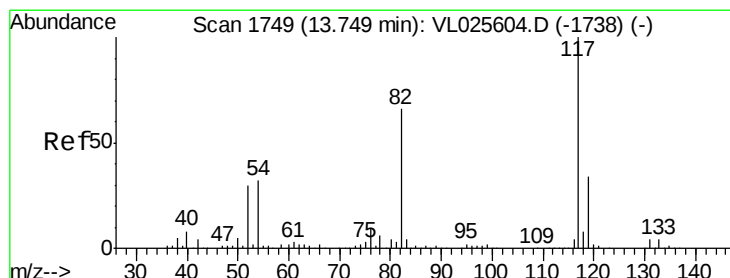
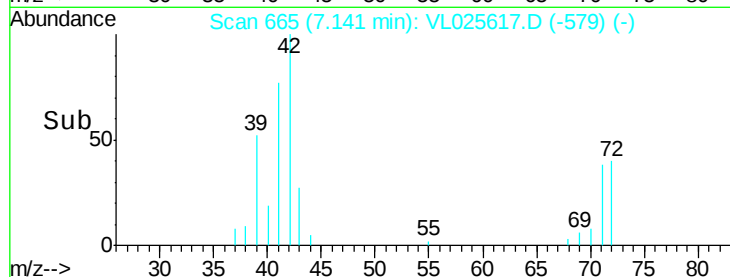
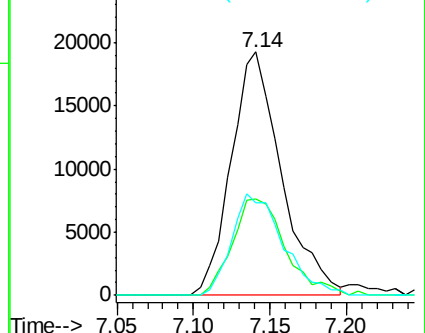
71 42.5 33.0 49.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.74 min Scan# 1748

Delta R.T. -0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

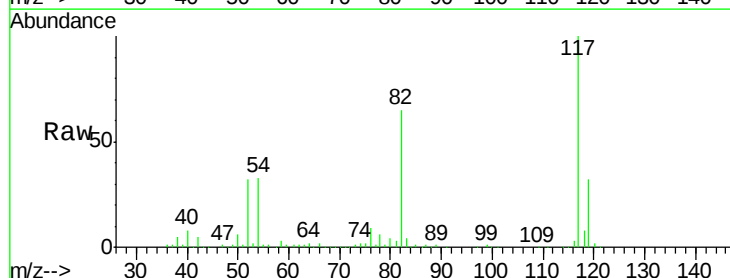
Tgt Ion: 117 Resp: 2164670

Ion Ratio Lower Upper

117 100

82 65.8 50.5 75.7

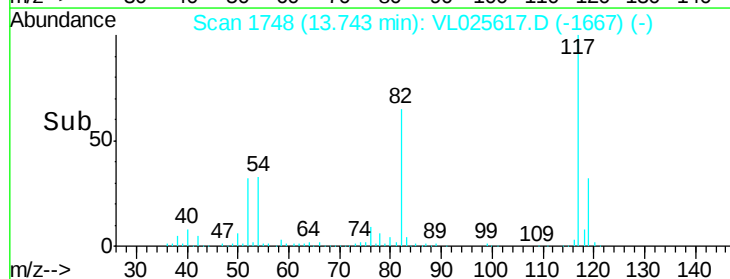
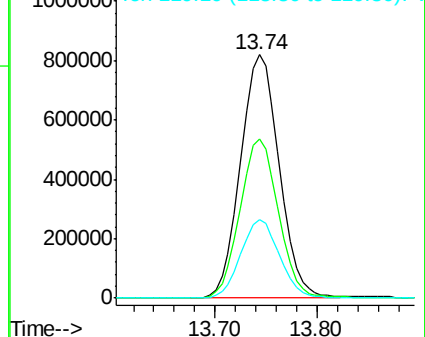
119 32.4 45.1 67.7#

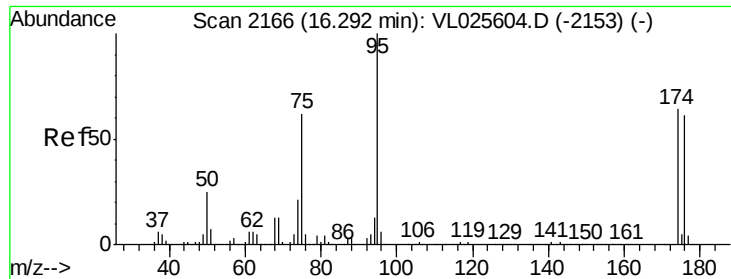


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.47 ppbv

RT: 16.29 min Scan# 2165

Delta R.T. -0.01 min

Lab File: VL025617.D

Acq: 7 Jul 2015 21:20

Instrument :

MSVOA_L

ClientSampleId :

DIN46-EFFLUENT-070115DL

Tot Ion: 95 Resp: 1911395

Ion Ratio Lower Upper

95 100

174 64.9 52.0 78.0

175 5.1 3.9 5.9

