

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025817.D
 Acq On : 31 Jul 2015 17:48
 Operator : SY/MD
 Sample : G3144-01DL2 800X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

Quant Time: Aug 03 04:40:32 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	6.67	49	660779	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1736446	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.77	117	2057849	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	1762893	10.16	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

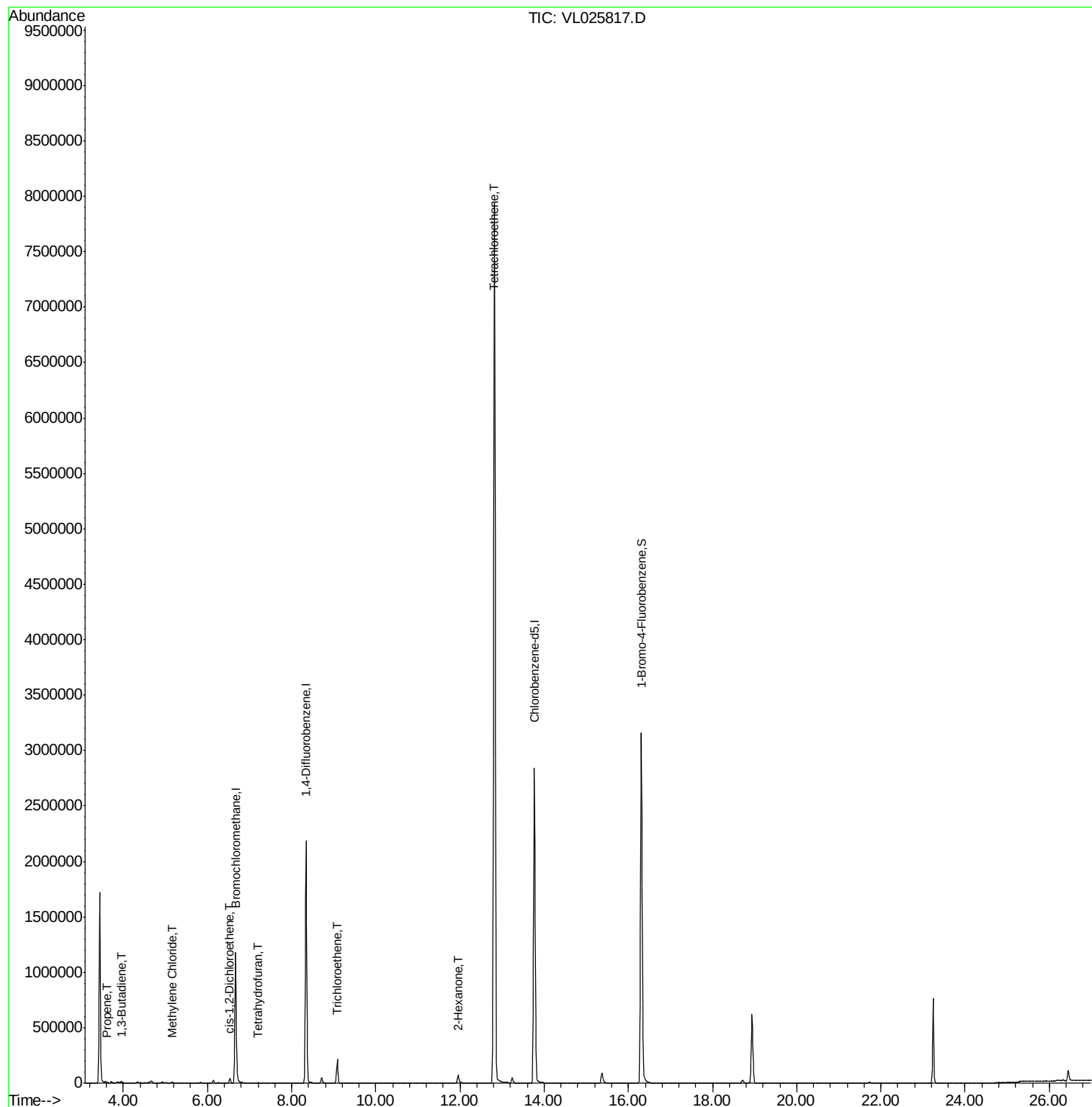
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.62	41	1261	0.04	ppbv #	65
16) 1,3-Butadiene	3.95	39	1777	0.04	ppbv #	12
20) Methylene Chloride	5.17	84	3504	0.07	ppbv #	68
31) cis-1,2-Dichloroethene	6.53	61	32665	0.40	ppbv	97
38) Trichloroethene	9.08	130	75970	0.98	ppbv	94
41) Tetrahydrofuran	7.21	42	2543	0.05	ppbv #	47
51) 2-Hexanone	11.96	43	18411	0.14	ppbv #	49
52) Tetrachloroethene	12.82	164	2234628	26.79	ppbv	99

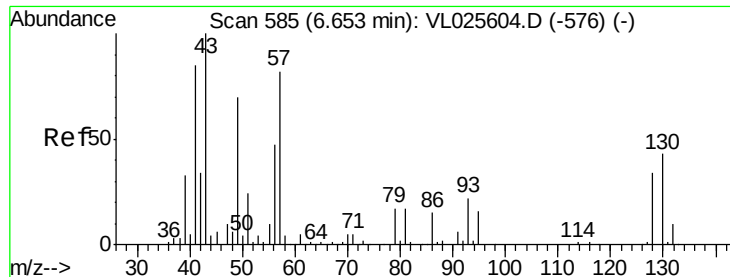
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL025817.D

Acq: 31 Jul 2015 17:48

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL2

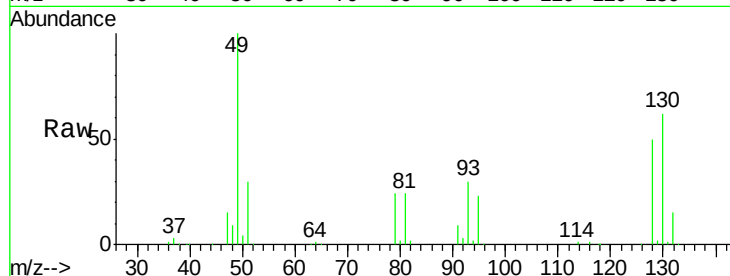
Tgt Ion: 49 Resp: 660779

Ion Ratio Lower Upper

49 100

128 50.2 25.4 76.0

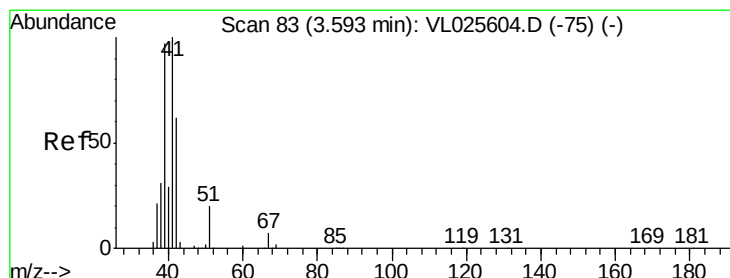
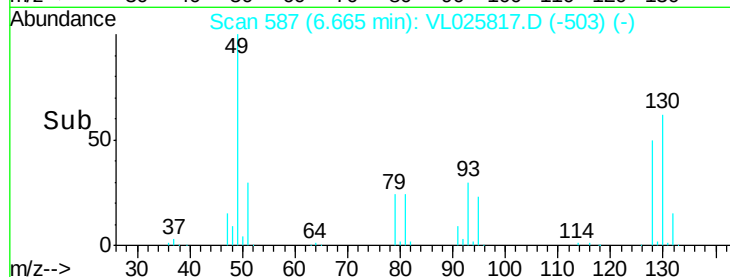
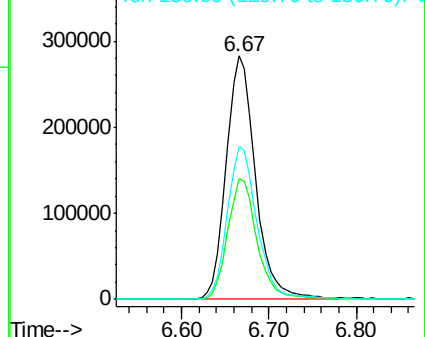
130 64.8 31.9 95.9



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



#9

Propene

Concen: 0.04 ppbv

RT: 3.62 min Scan# 87

Delta R.T. 0.02 min

Lab File: VL025817.D

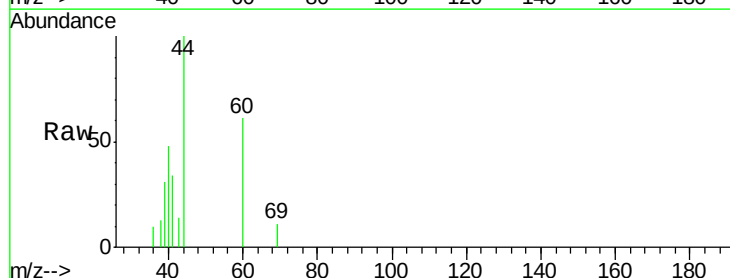
Acq: 31 Jul 2015 17:48

Tgt Ion: 41 Resp: 1261

Ion Ratio Lower Upper

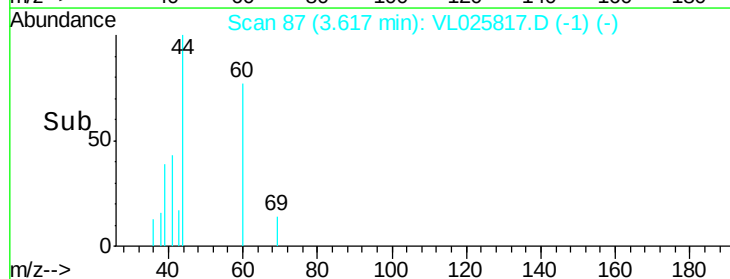
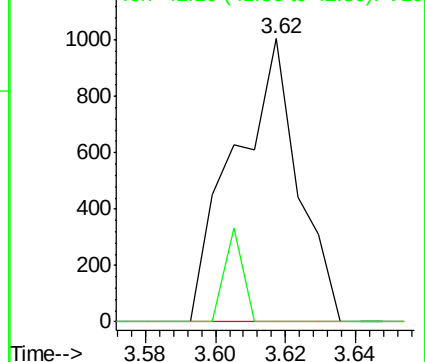
41 100

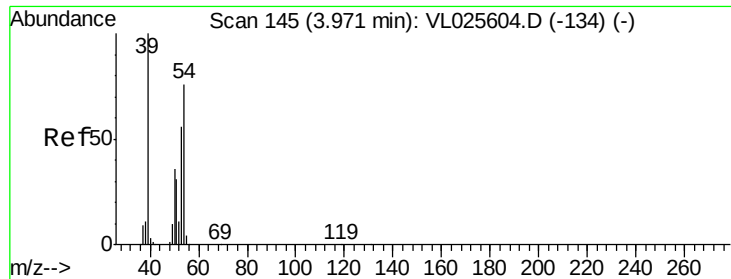
42 38.1 52.4 78.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

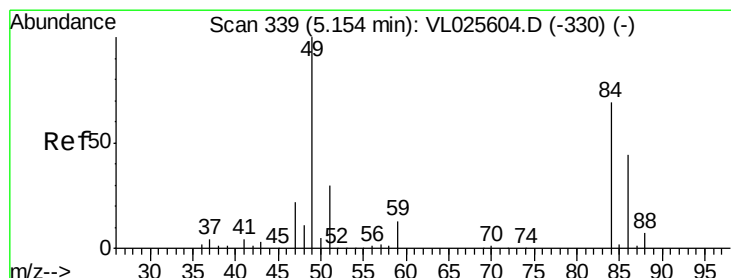
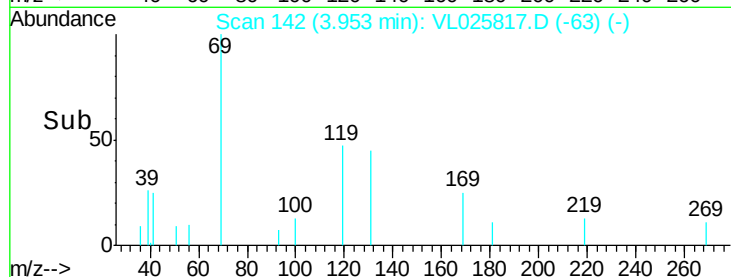
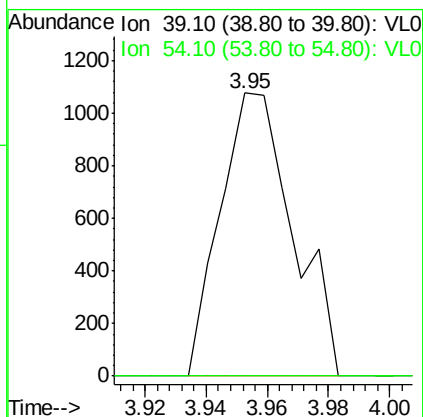
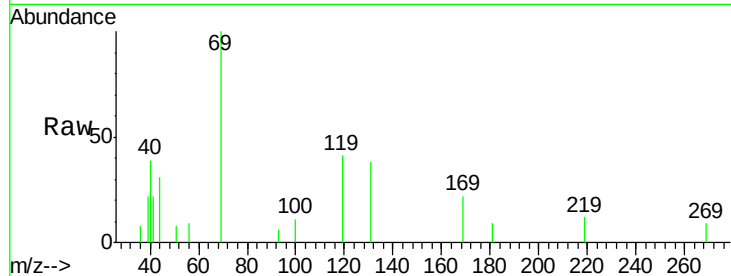




#16
 1,3-Butadiene
 Concen: 0.04 ppbv
 RT: 3.95 min Scan# 142
 Delta R.T. -0.02 min
 Lab File: VL025817.D
 Acq: 31 Jul 2015 17:48

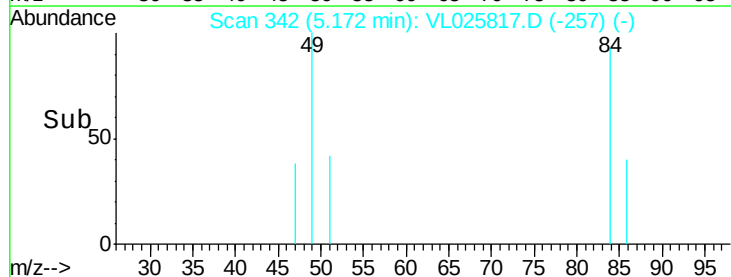
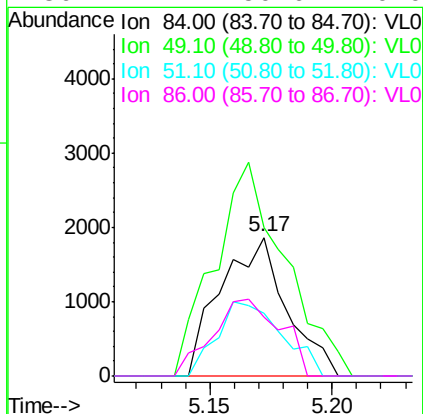
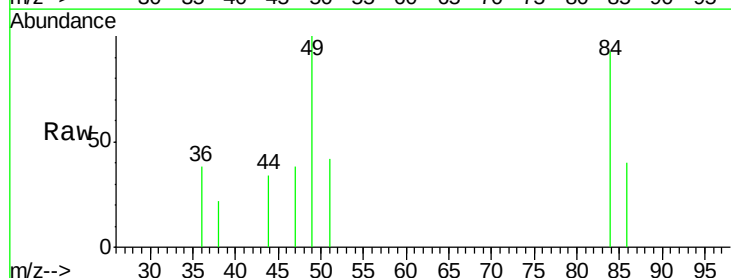
Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL2

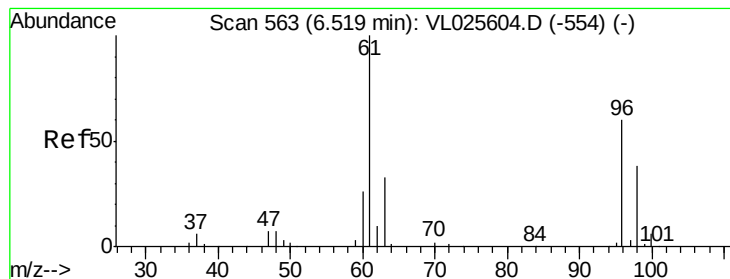
Tgt Ion: 39 Resp: 1777
 Ion Ratio Lower Upper
 39 100
 54 0.0 59.3 88.9#



#20
 Methylene Chloride
 Concen: 0.07 ppbv
 RT: 5.17 min Scan# 342
 Delta R.T. 0.02 min
 Lab File: VL025817.D
 Acq: 31 Jul 2015 17:48

Tgt Ion: 84 Resp: 3504
 Ion Ratio Lower Upper
 84 100
 49 90.5 115.2 172.8#
 51 45.3 35.0 52.6
 86 42.7 50.6 76.0#





#31

cis-1,2-Dichloroethene

Concen: 0.40 ppbv

RT: 6.53 min Scan# 565

Delta R.T. 0.01 min

Lab File: VL025817.D

Acq: 31 Jul 2015 17:48

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL2

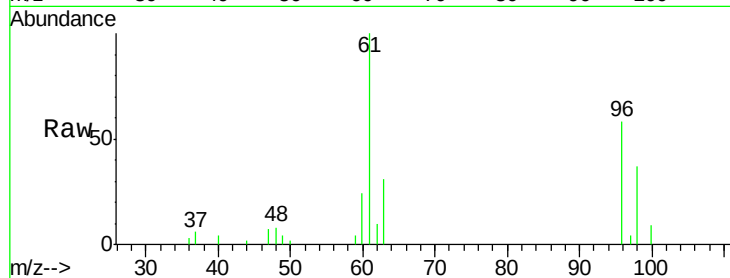
Tgt Ion: 61 Resp: 32665

Ion Ratio Lower Upper

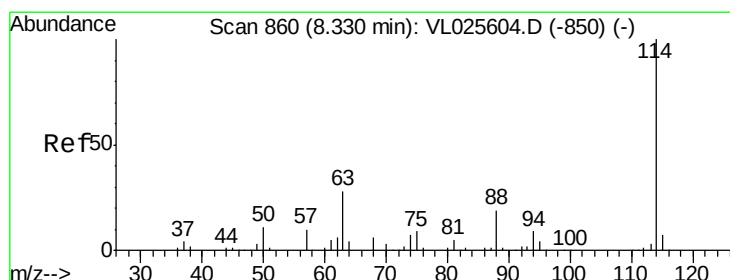
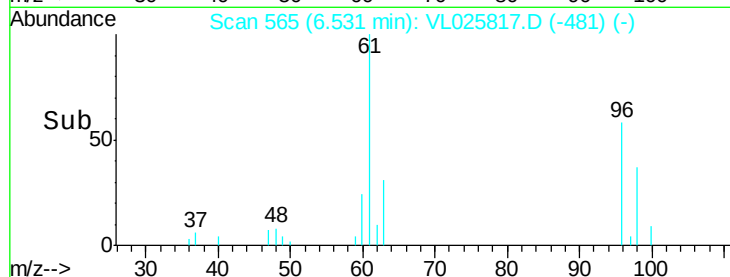
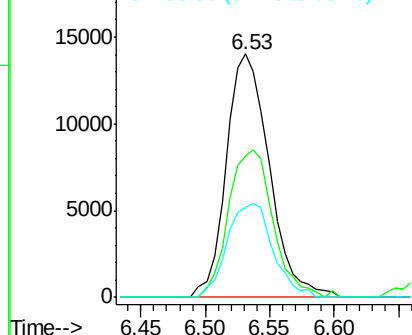
61 100

96 58.1 48.1 72.1

98 36.7 30.7 46.1



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 8.34 min Scan# 862

Delta R.T. 0.01 min

Lab File: VL025817.D

Acq: 31 Jul 2015 17:48

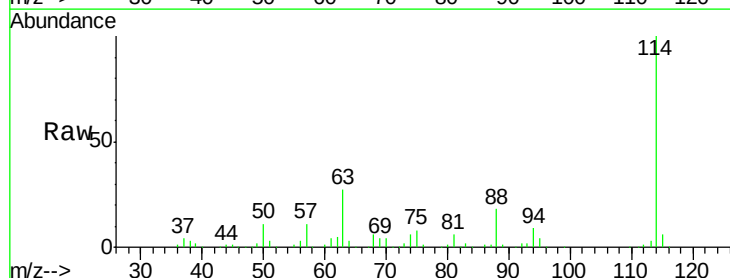
Tgt Ion: 114 Resp: 1736446

Ion Ratio Lower Upper

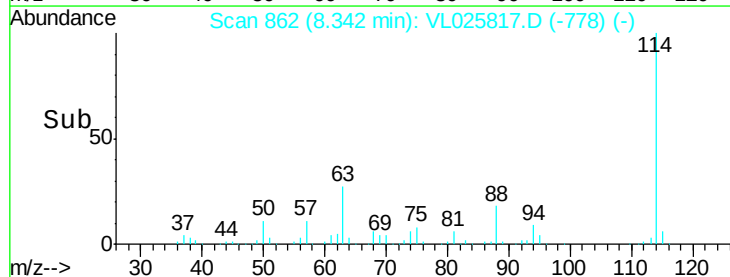
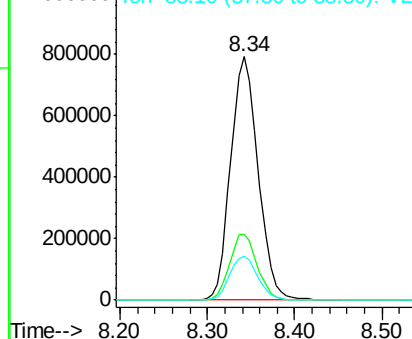
114 100

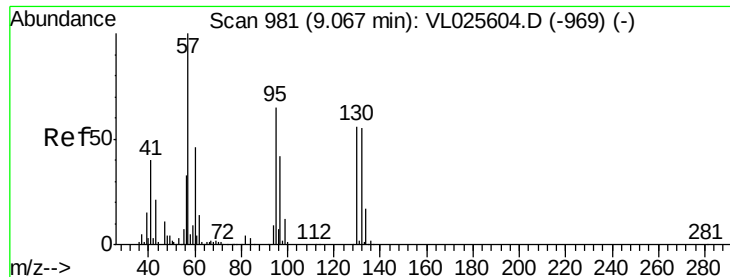
63 27.2 22.4 33.6

88 18.3 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





#38

Trichloroethene

Concen: 0.98 ppbv

RT: 9.08 min Scan# 983

Delta R.T. 0.01 min

Lab File: VL025817.D

Acq: 31 Jul 2015 17:48

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL2

Tgt Ion:130 Resp: 75970

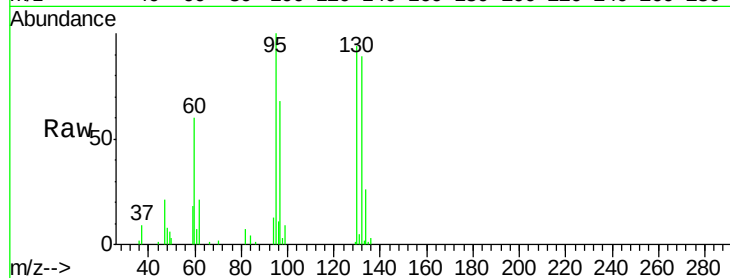
Ion Ratio Lower Upper

130 100

95 106.1 94.2 141.4

132 94.6 78.6 118.0

97 72.7 60.6 90.8

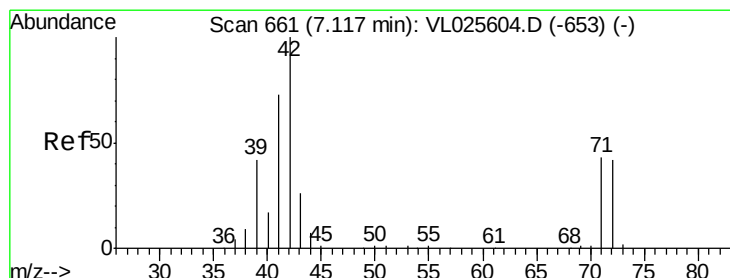
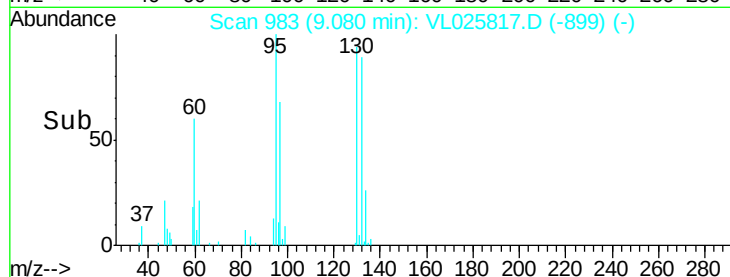
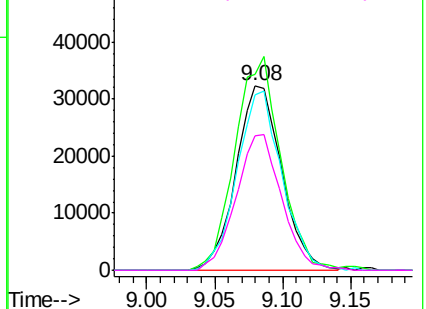


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#41

Tetrahydrofuran

Concen: 0.05 ppbv

RT: 7.21 min Scan# 676

Delta R.T. 0.09 min

Lab File: VL025817.D

Acq: 31 Jul 2015 17:48

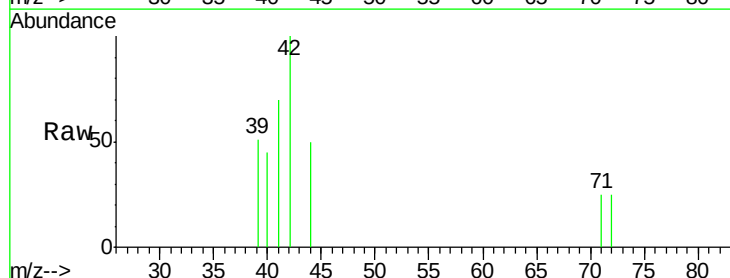
Tgt Ion: 42 Resp: 2543

Ion Ratio Lower Upper

42 100

72 0.0 34.0 51.0#

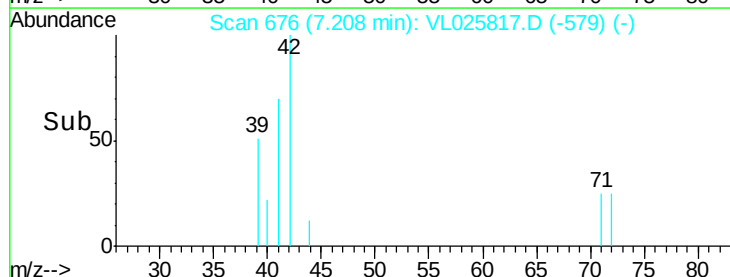
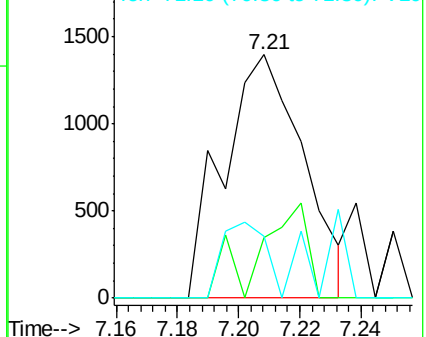
71 16.9 33.0 49.6#

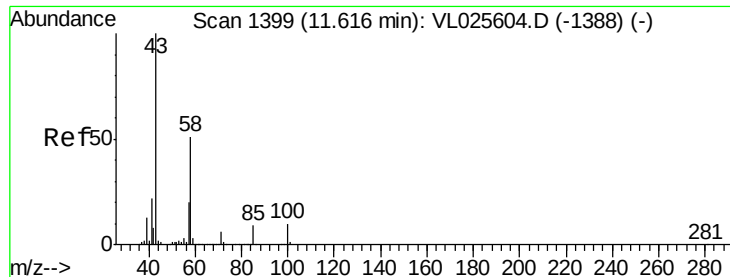


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#51

2-Hexanone

Concen: 0.14 ppbv

RT: 11.96 min Scan# 1455

Delta R.T. 0.34 min

Lab File: VL025817.D

Acq: 31 Jul 2015 17:48

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL2

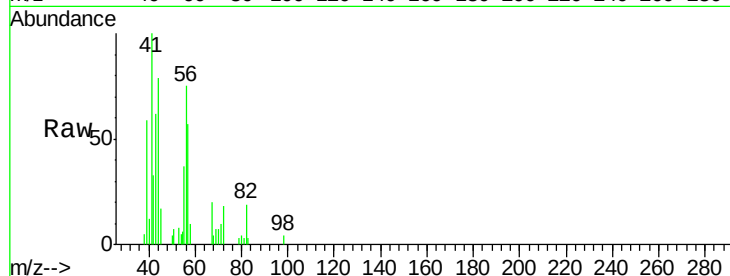
Tgt Ion: 43 Resp: 18411

Ion Ratio Lower Upper

43 100

58 14.1 39.0 58.6#

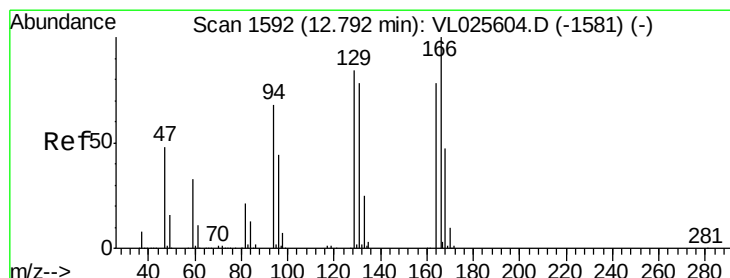
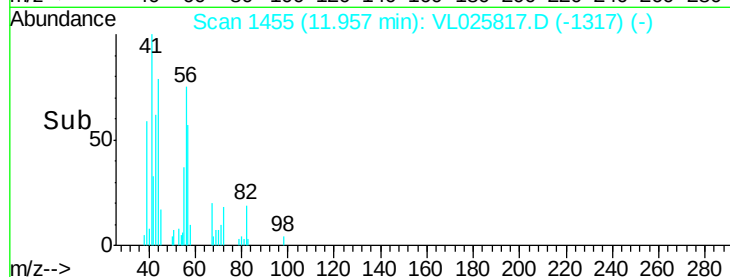
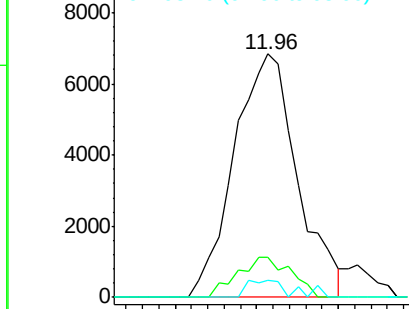
98 4.9 0.2 0.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 26.79 ppbv

RT: 12.82 min Scan# 1597

Delta R.T. 0.03 min

Lab File: VL025817.D

Acq: 31 Jul 2015 17:48

Tgt Ion: 164 Resp: 2234628

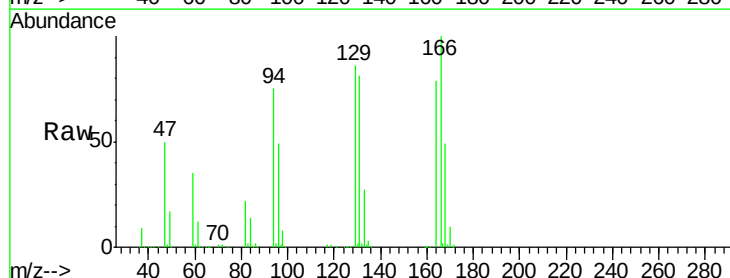
Ion Ratio Lower Upper

164 100

166 125.9 102.3 153.5

129 108.7 86.2 129.4

131 101.9 80.3 120.5

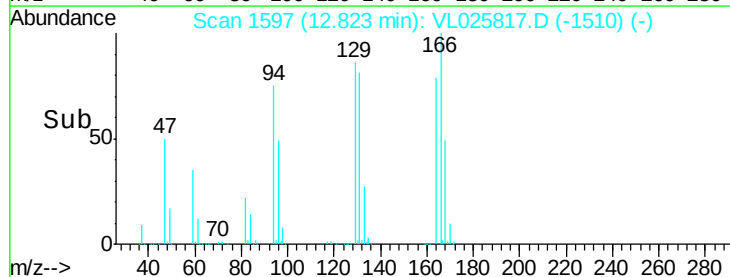
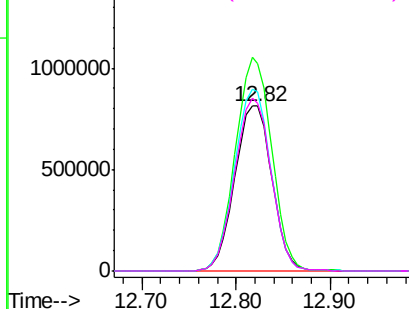


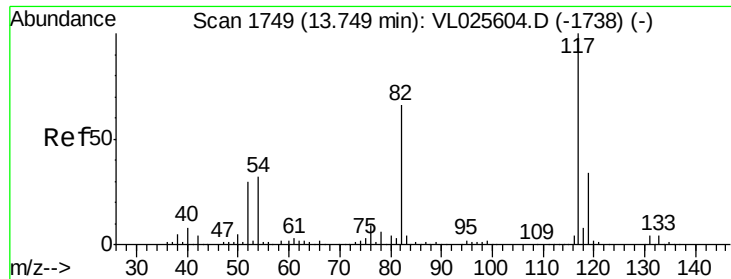
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

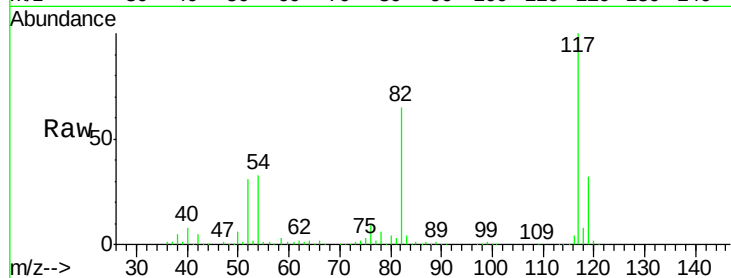




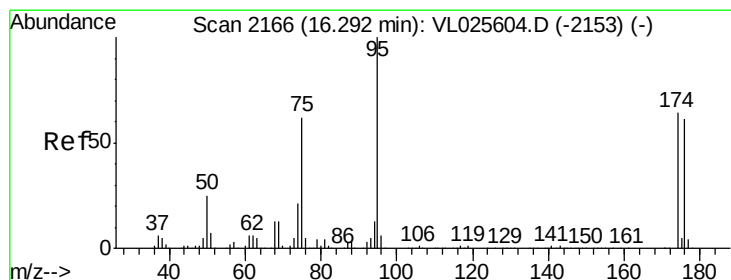
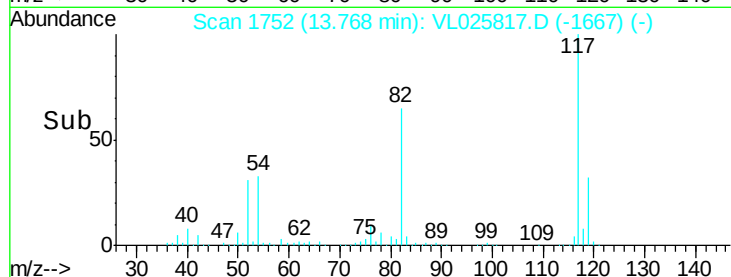
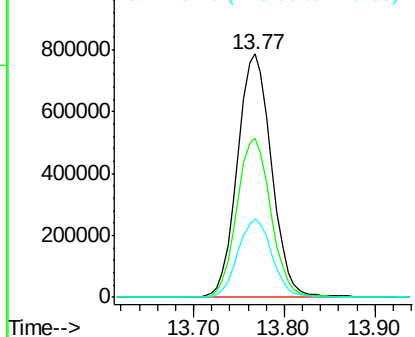
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1752
Delta R.T. 0.02 min
Lab File: VL025817.D
Acq: 31 Jul 2015 17:48

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL2

Tgt Ion:117 Resp: 2057849
Ion Ratio Lower Upper
117 100
82 66.1 50.5 75.7
119 32.5 45.1 67.7#

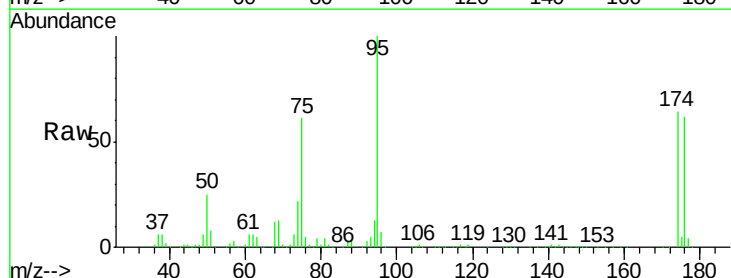


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.16 ppbv
RT: 16.31 min Scan# 2169
Delta R.T. 0.02 min
Lab File: VL025817.D
Acq: 31 Jul 2015 17:48

Tgt Ion: 95 Resp: 1762893
Ion Ratio Lower Upper
95 100
174 63.7 52.0 78.0
175 4.9 3.9 5.9



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

