

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025816.D
 Acq On : 31 Jul 2015 17:09
 Operator : SY/MD
 Sample : G3144-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
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 8/4/2015 12:25:52 PM

Quant Time: Aug 04 11:59:20 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 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	714580	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	1890247	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.77	117	2315335	10.00	ppbv	0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	16.31	95	1920193	9.83	ppbv	0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acetone	4.65	43	45844	0.36	ppbv	# 73
31) cis-1,2-Dichloroethene	6.53	61	422613	4.73	ppbv	97
34) 2-Butanone	6.24	43	38567m	0.36	ppbv	
38) Trichloroethene	9.08	130	870371	10.34	ppbv	95
41) Tetrahydrofuran	7.18	42	39096	0.73	ppbv	97
52) Tetrachloroethene	12.85	164	16161999	178.00	ppbv	86

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

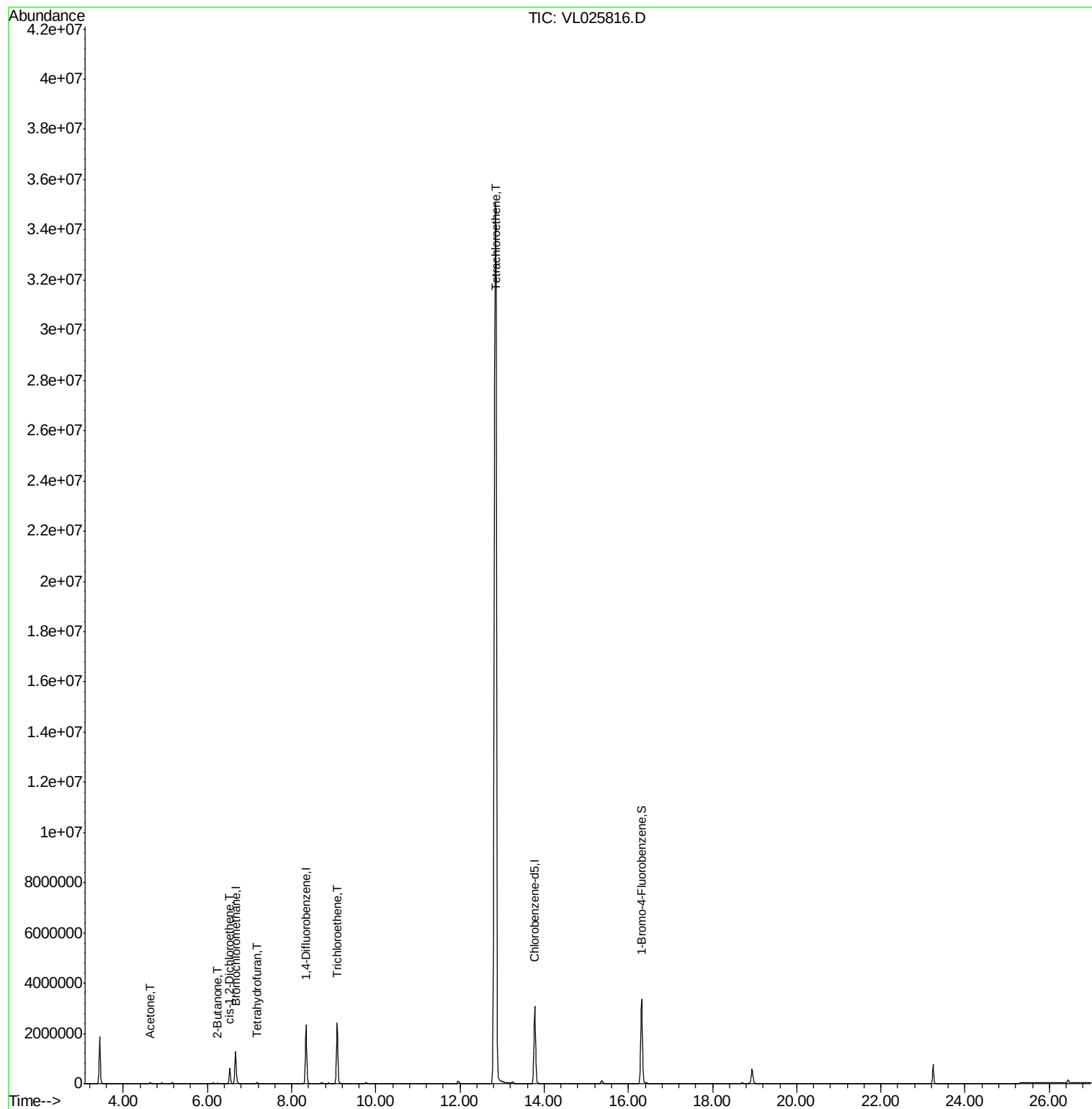
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
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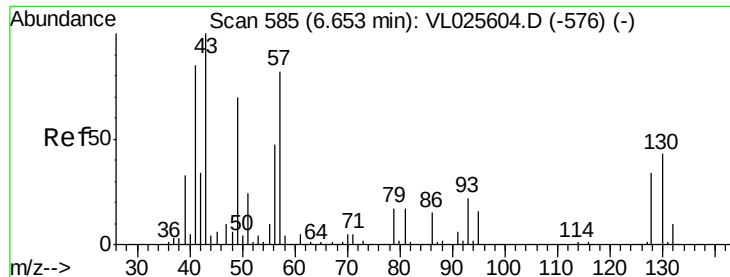
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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL025816.D

Acq: 31 Jul 2015 17:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 49 Resp: 714580
Ion Ratio Lower Upper

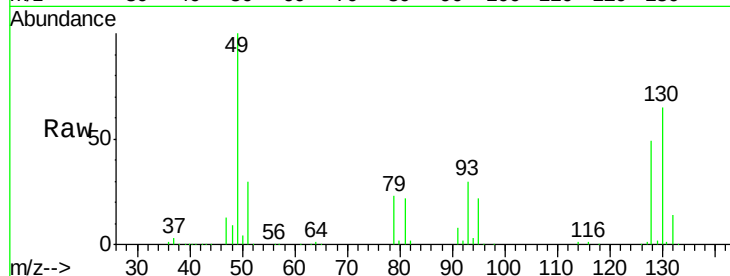
49 100

128 50.7 25.4 76.0

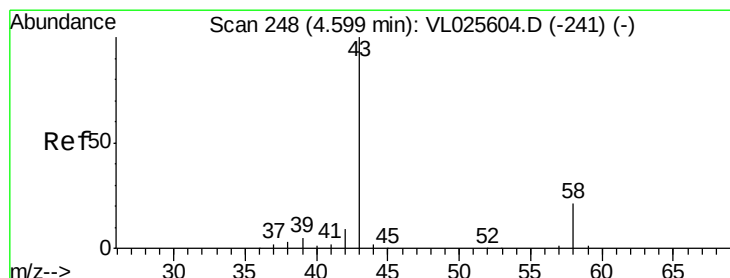
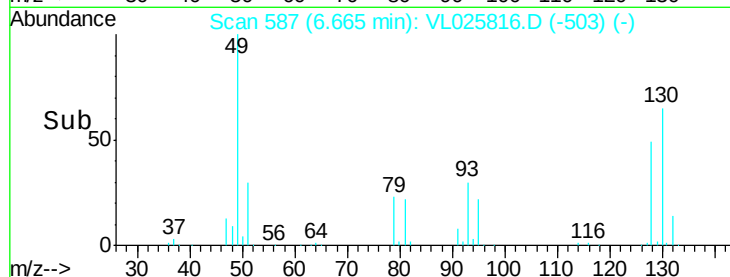
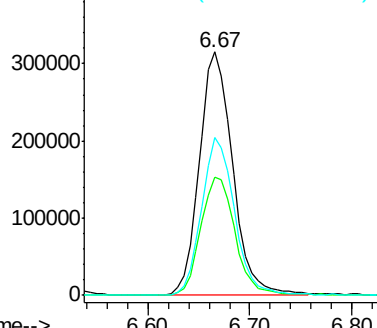
130 65.1 31.9 95.9

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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



#15

Acetone

Concen: 0.36 ppbv

RT: 4.65 min Scan# 256

Delta R.T. 0.05 min

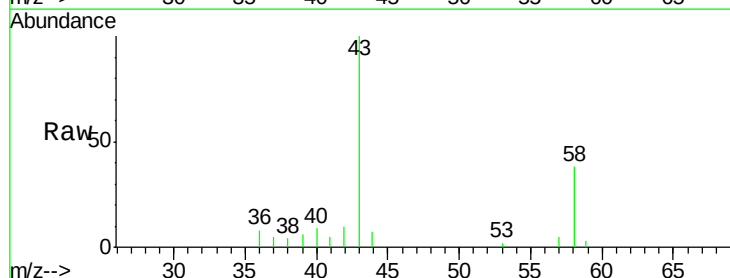
Lab File: VL025816.D

Acq: 31 Jul 2015 17:09

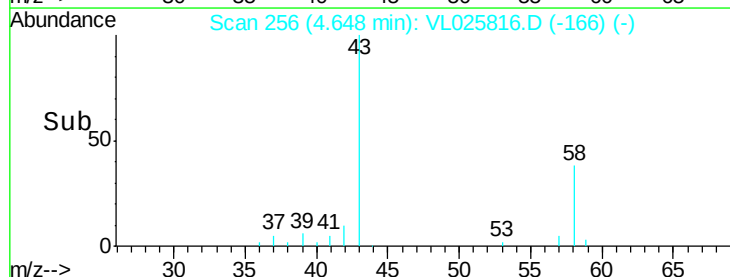
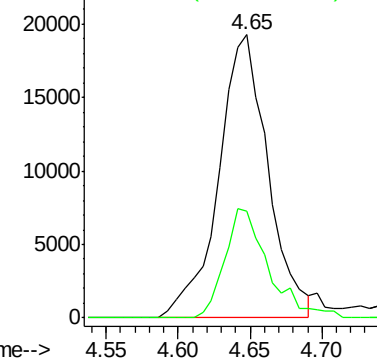
Tgt Ion: 43 Resp: 45844
Ion Ratio Lower Upper

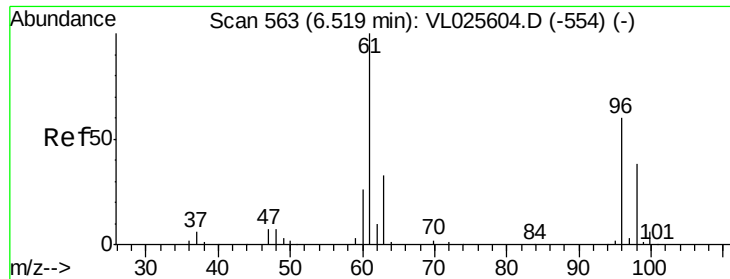
43 100

58 34.1 17.2 25.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 4.73 ppbv

RT: 6.53 min Scan# 565

Delta R.T. 0.01 min

Lab File: VL025816.D

Acq: 31 Jul 2015 17:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 61 Resp: 422613
Ion Ratio Lower Upper

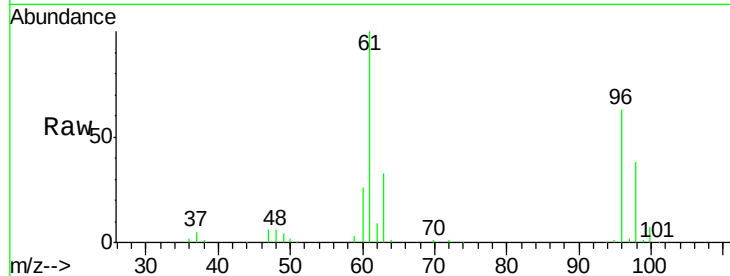
61 100

96 63.1 48.1 72.1

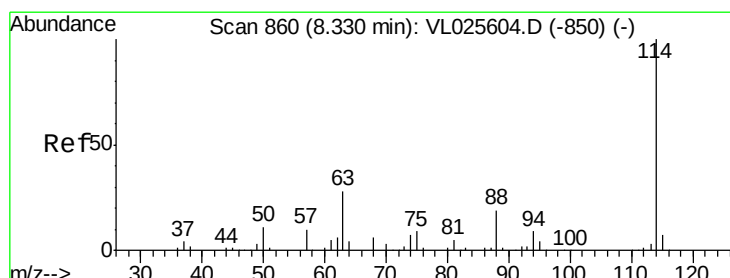
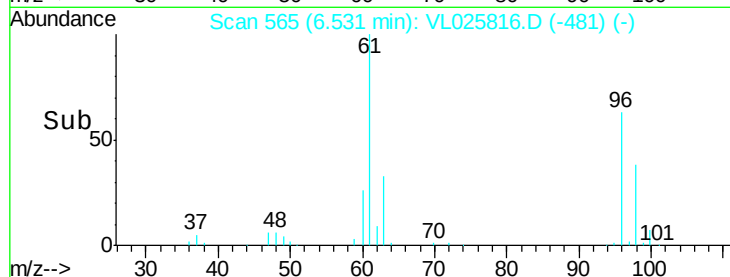
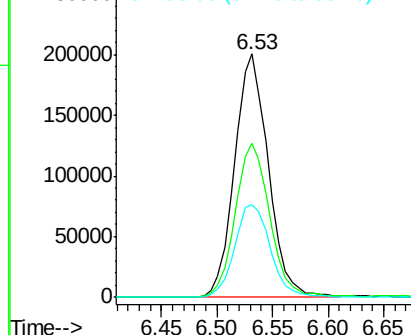
98 37.8 30.7 46.1

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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: VL025816.D

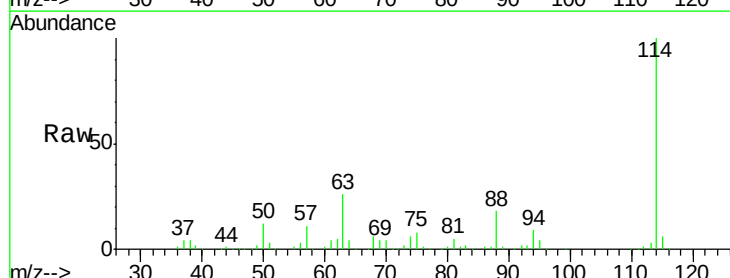
Acq: 31 Jul 2015 17:09

Tgt Ion: 114 Resp: 1890247
Ion Ratio Lower Upper

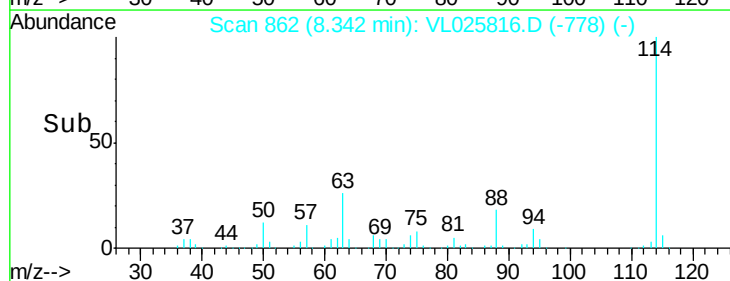
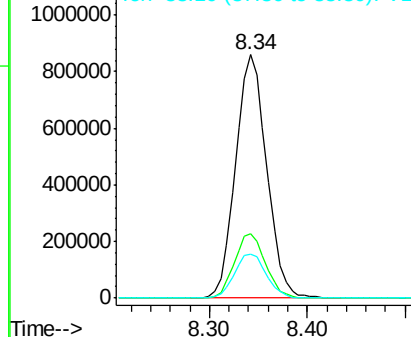
114 100

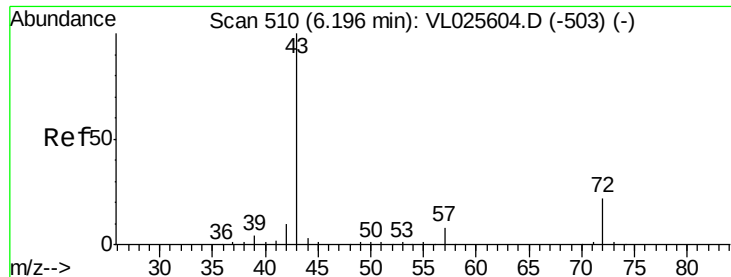
63 26.7 22.4 33.6

88 18.6 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: 0.36 ppbv m

RT: 6.24 min Scan# 517

Delta R.T. 0.04 min

Lab File: VL025816.D

Acq: 31 Jul 2015 17:09

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 43 Resp: 38567

Ion Ratio Lower Upper

43 100

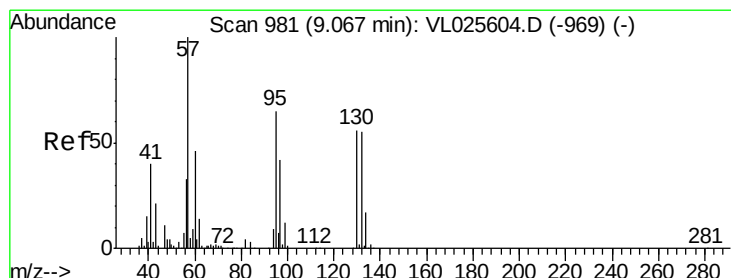
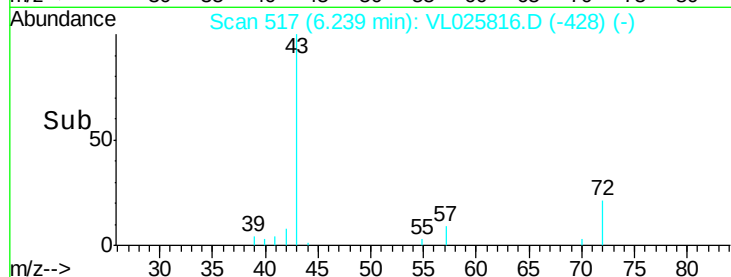
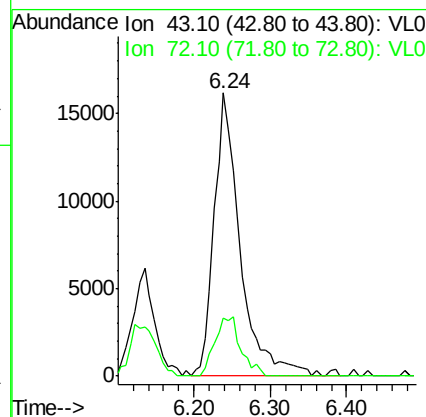
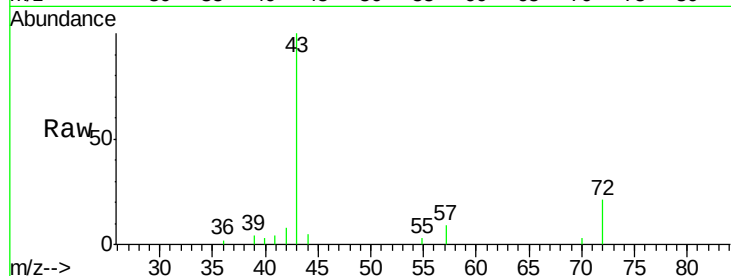
72 0.0 18.6 28.0#

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#38

Trichloroethene

Concen: 10.34 ppbv

RT: 9.08 min Scan# 983

Delta R.T. 0.01 min

Lab File: VL025816.D

Acq: 31 Jul 2015 17:09

Tgt Ion: 130 Resp: 870371

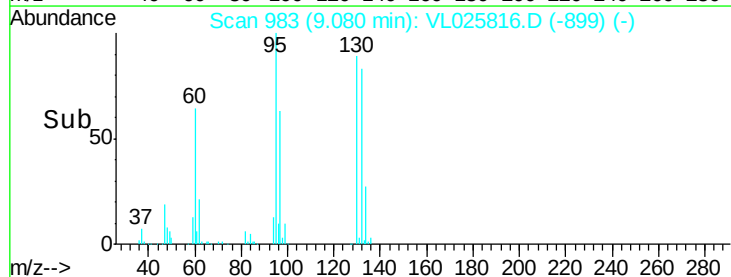
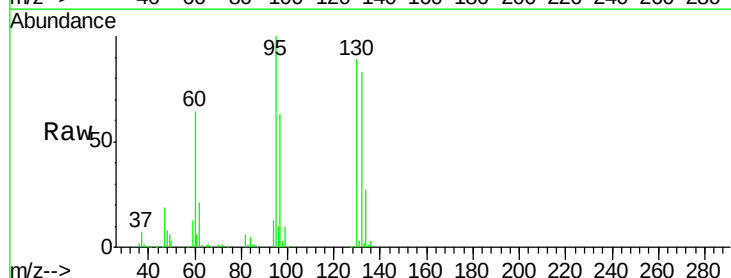
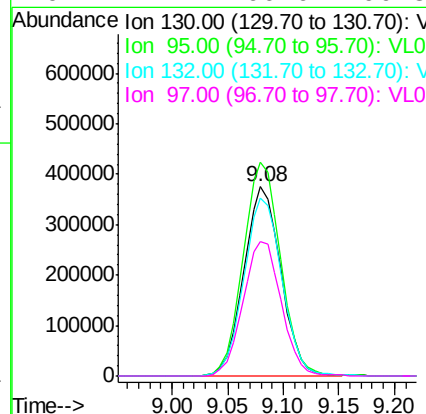
Ion Ratio Lower Upper

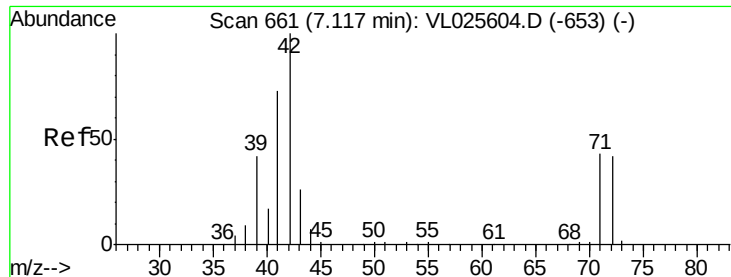
130 100

95 113.0 94.2 141.4

132 94.3 78.6 118.0

97 71.2 60.6 90.8





#41

Tetrahydrofuran

Concen: 0.73 ppbv

RT: 7.18 min Scan# 671

Delta R.T. 0.06 min

Lab File: VL025816.D

Acq: 31 Jul 2015 17:09

Instrument :

MSVOA_L

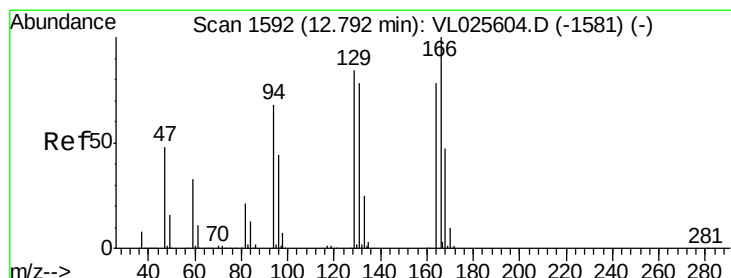
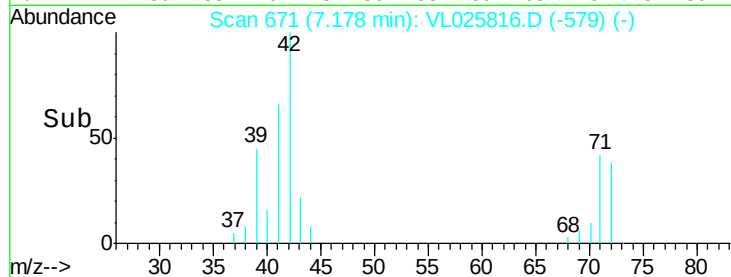
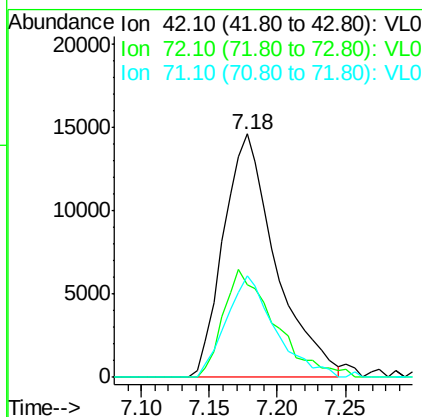
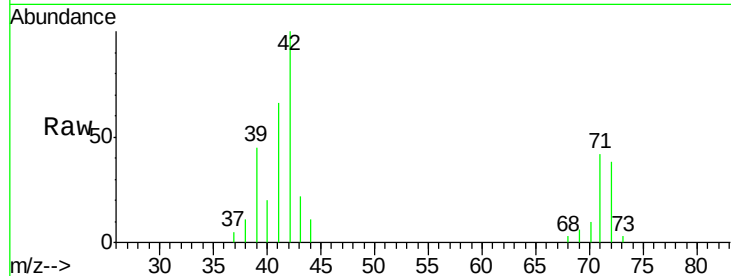
ClientSampleId :

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Tgt Ion:	42	Resp:	39096
Ion Ratio	Lower	Upper	
42	100		
72	43.6	34.0	51.0
71	39.2	33.0	49.6

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#52

Tetrachloroethene

Concen: 178.00 ppbv

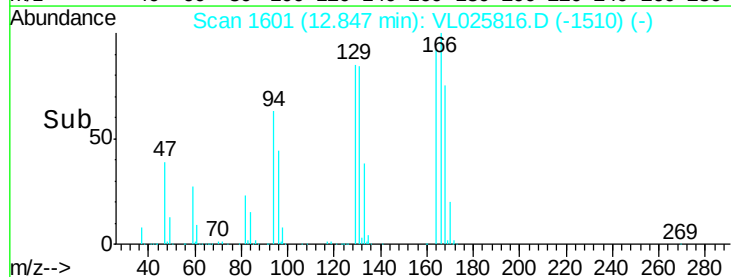
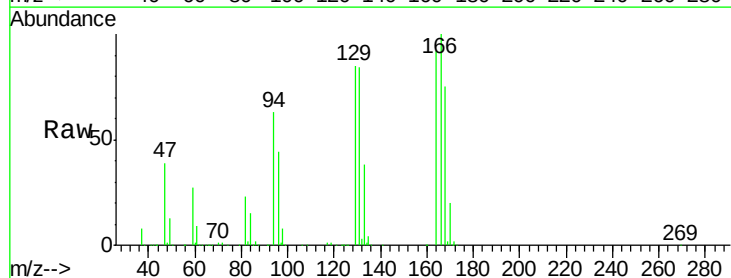
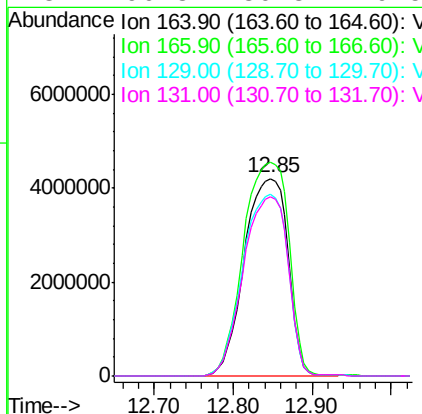
RT: 12.85 min Scan# 1601

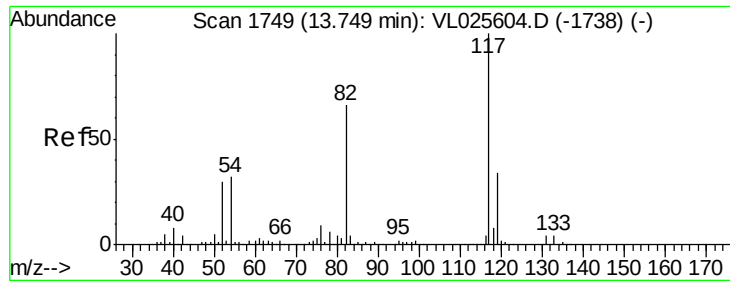
Delta R.T. 0.05 min

Lab File: VL025816.D

Acq: 31 Jul 2015 17:09

Tgt Ion:	164	Resp:	16161999
Ion Ratio	Lower	Upper	
164	100		
166	108.2	102.3	153.5
129	92.1	86.2	129.4
131	90.8	80.3	120.5





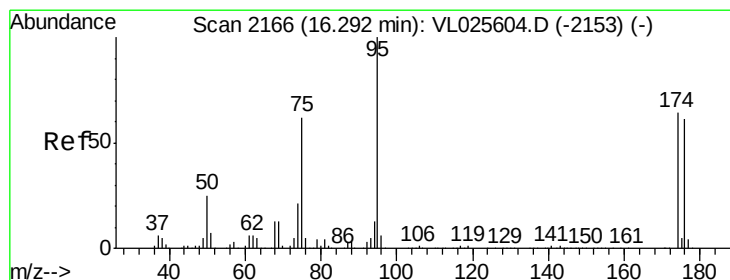
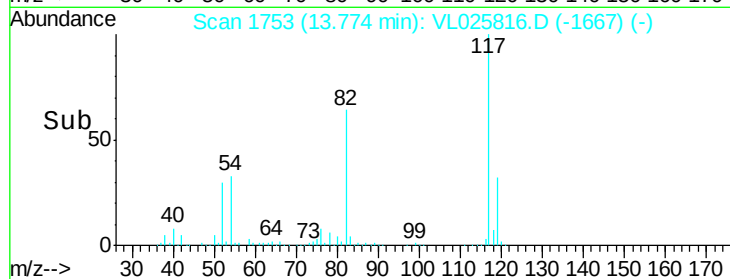
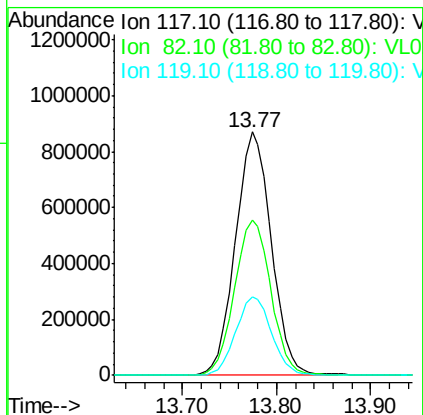
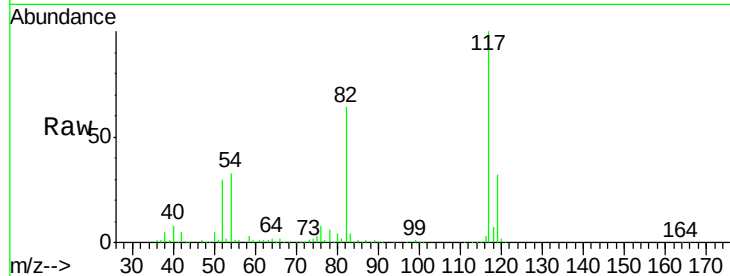
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.77 min Scan# 1753
Delta R.T. 0.02 min
Lab File: VL025816.D
Acq: 31 Jul 2015 17:09

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 117 Resp: 2315335
Ion Ratio Lower Upper
117 100
82 65.2 50.5 75.7
119 32.6 45.1 67.7#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.83 ppbv
RT: 16.31 min Scan# 2169
Delta R.T. 0.02 min
Lab File: VL025816.D
Acq: 31 Jul 2015 17:09

Tgt Ion: 95 Resp: 1920193
Ion Ratio Lower Upper
95 100
174 64.4 52.0 78.0
175 4.9 3.9 5.9

