

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
 Data File : VL025815.D
 Acq On : 31 Jul 2015 16:29
 Operator : SY/MD
 Sample : G3144-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
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 8/4/2015 12:25:45 PM

Quant Time: Aug 04 11:57:30 2015
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08
 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	739147	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	8.35	114	1994099	10.00	ppbv	0.02
55) Chlorobenzene-d5	13.80	117	2481510	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.33	95	2115468	10.11	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

Target Compounds						Qvalue
13) Ethanol	4.36	45	12015	2.23	ppbv	99
15) Acetone	4.63	43	164435	1.26	ppbv	97
22) trans-1,2-Dichloroethene	5.78	96	11077	0.20	ppbv #	86
31) cis-1,2-Dichloroethene	6.53	61	2245772	24.29	ppbv	98
32) 1,1,1-Trichloroethane	7.62	97	15882	0.08	ppbv #	83
34) 2-Butanone	6.23	43	207504	1.83	ppbv	100
38) Trichloroethene	9.09	130	4059740	45.72	ppbv	98
41) Tetrahydrofuran	7.15	42	260676	4.62	ppbv	99
52) Tetrachloroethene	12.92	164	40794237	425.89	ppbv	87
53) Toluene	11.26	91	83226	0.31	ppbv	99
59) m/p-Xylene	14.76	91	115545	0.32	ppbv	98
60) o-Xylene	15.54	91	51659	0.13	ppbv	97
76) 1,4-Dichlorobenzene	19.31	146	48887	0.16	ppbv	96

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

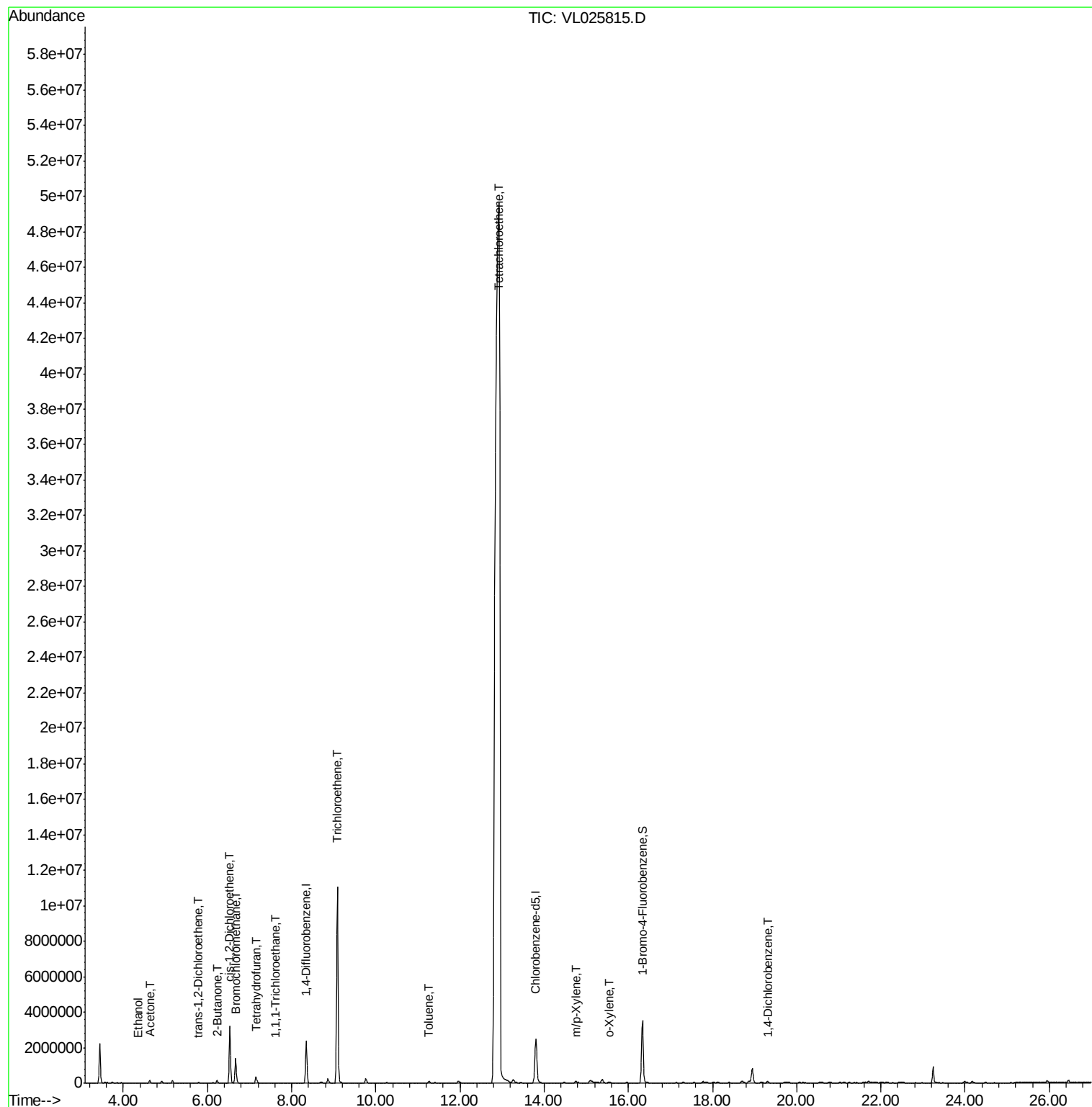
Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL073115\
Data File : VL025815.D
Acq On : 31 Jul 2015 16:29
Operator : SY/MD
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

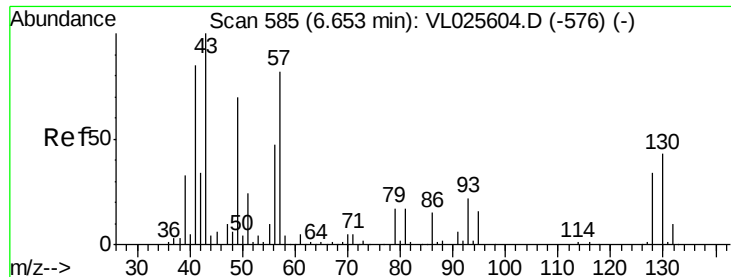
Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Manual Integrations
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8/4/2015 12:25:45 PM

Quant Time: Aug 04 11:57:30 2015
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.67 min Scan# 588

Delta R.T. 0.02 min

Lab File: VL025815.D

Acq: 31 Jul 2015 16:29

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 49 Resp: 739147
Ion Ratio Lower Upper

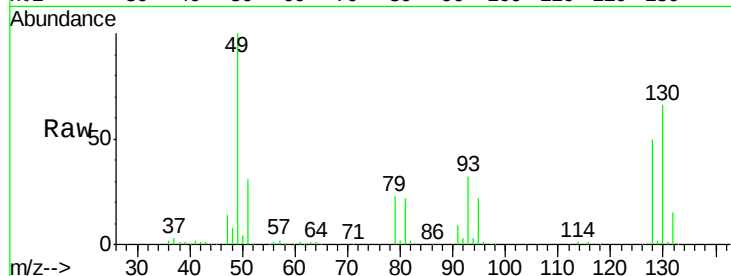
49 100

128 50.5 25.4 76.0

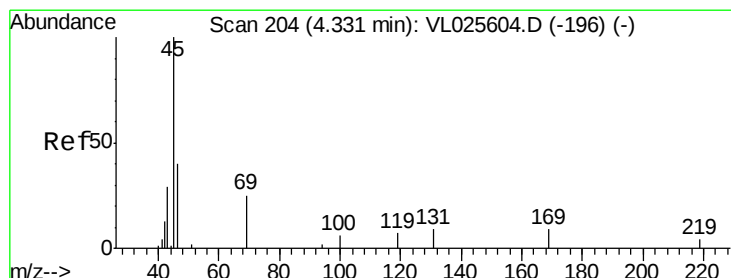
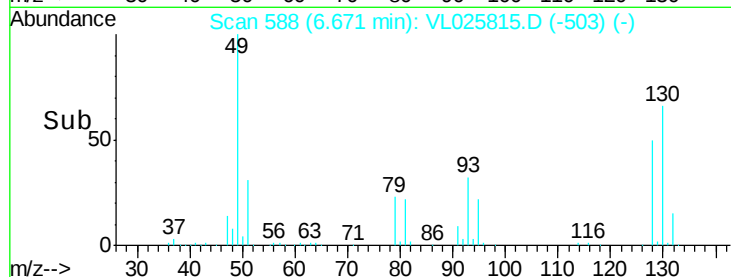
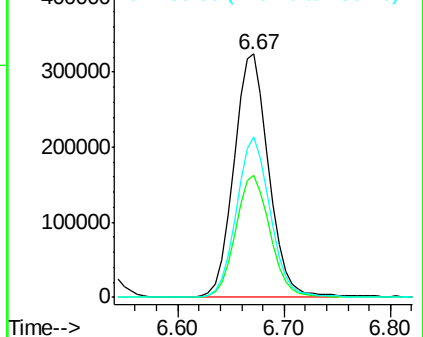
130 65.2 31.9 95.9

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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



#13

Ethanol

Concen: 2.23 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.03 min

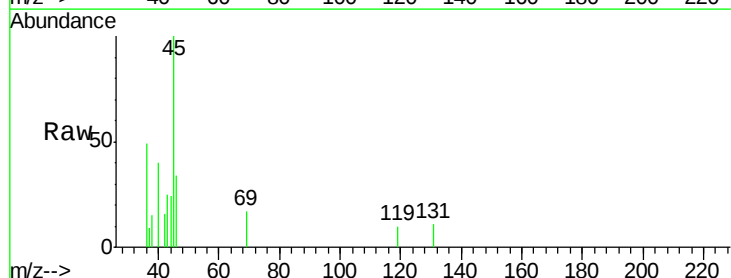
Lab File: VL025815.D

Acq: 31 Jul 2015 16:29

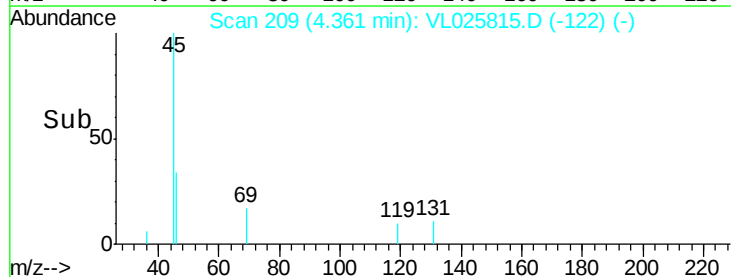
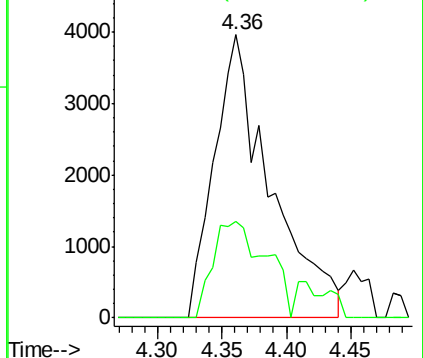
Tgt Ion: 45 Resp: 12015
Ion Ratio Lower Upper

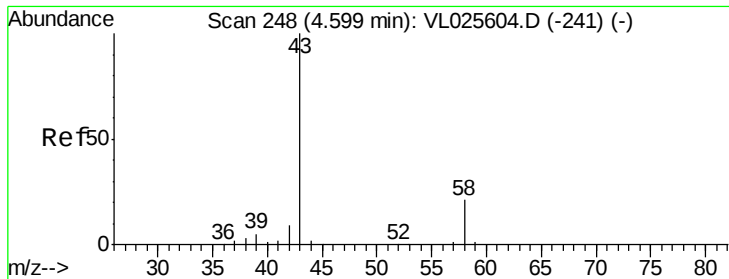
45 100

46 39.2 16.0 64.0



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.26 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.03 min

Lab File: VL025815.D

Acq: 31 Jul 2015 16:29

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion: 43 Resp: 164435

Ion Ratio Lower Upper

43 100

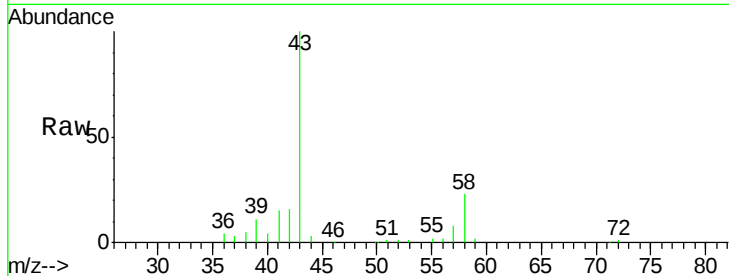
58 23.1 17.2 25.8

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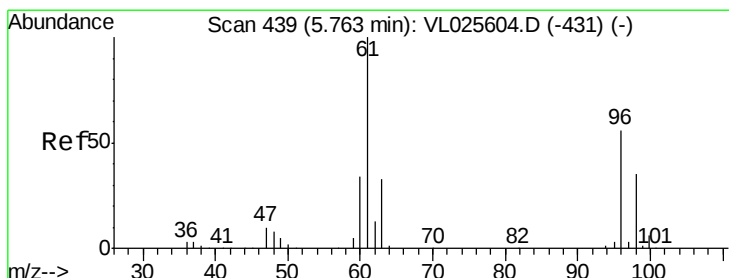
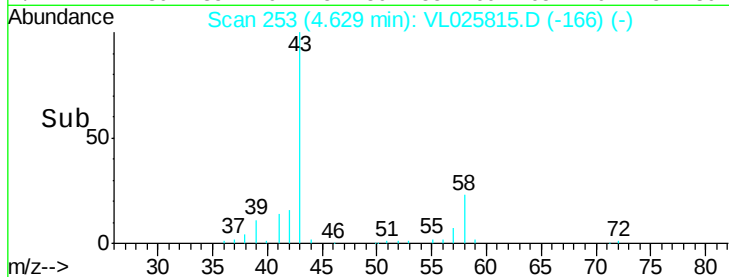
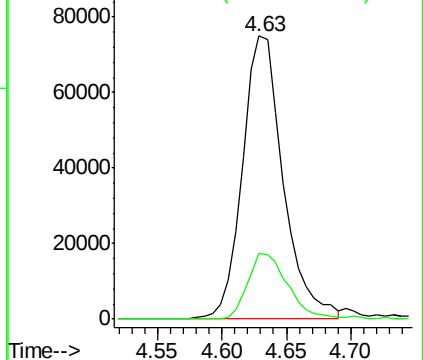
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 0.20 ppbv

RT: 5.78 min Scan# 442

Delta R.T. 0.02 min

Lab File: VL025815.D

Acq: 31 Jul 2015 16:29

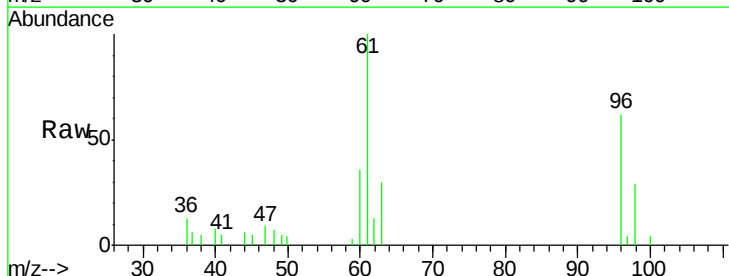
Tgt Ion: 96 Resp: 11077

Ion Ratio Lower Upper

96 100

61 160.8 141.8 212.6

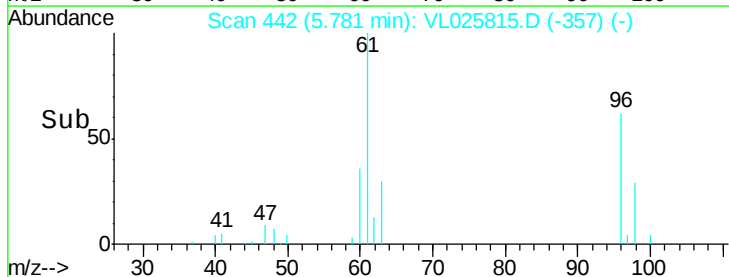
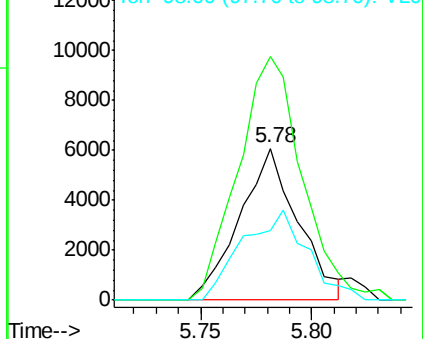
98 46.0 49.0 73.6#

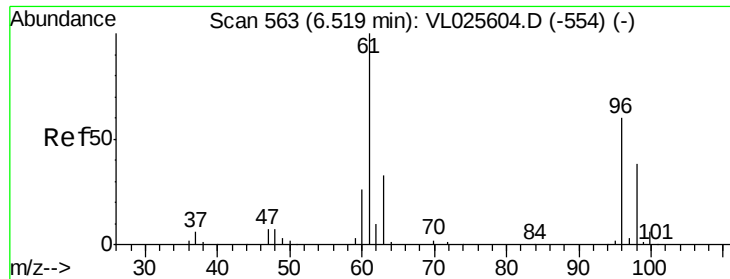


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#31

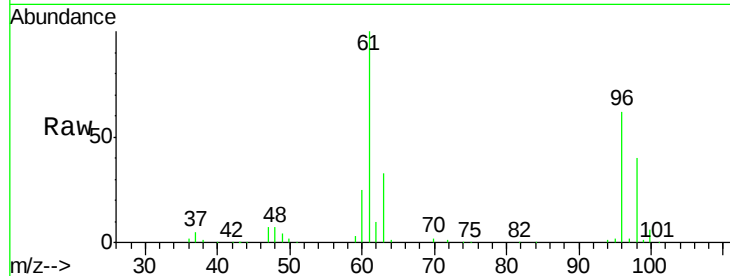
cis-1,2-Dichloroethene
 Concen: 24.29 ppbv
 RT: 6.53 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: VL025815.D
 Acq: 31 Jul 2015 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

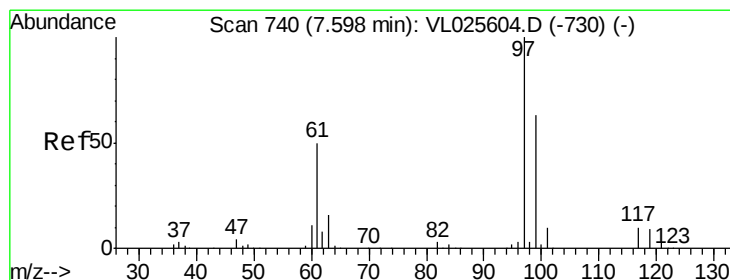
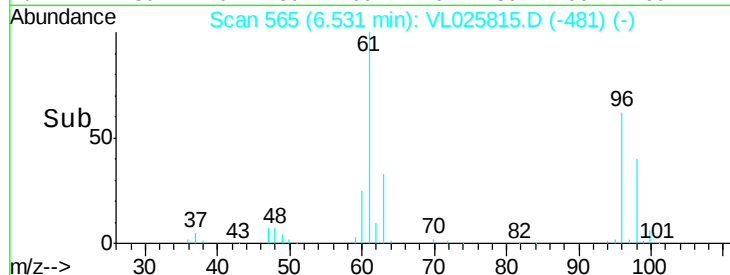
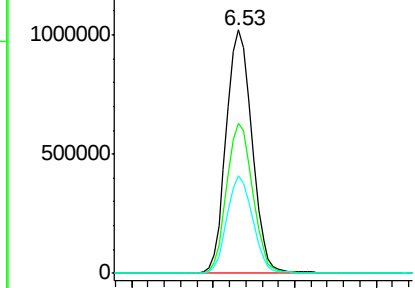
Tgt Ion: 61 Resp: 2245772
 Ion Ratio Lower Upper
 61 100
 96 61.7 48.1 72.1
 98 40.1 30.7 46.1

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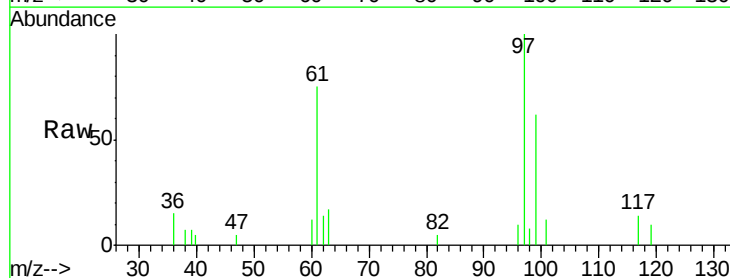
Abundance Ion 61.10 (60.80 to 61.80): VL0
 Ion 96.00 (95.70 to 96.70): VL0
 Ion 98.00 (97.70 to 98.70): VL0



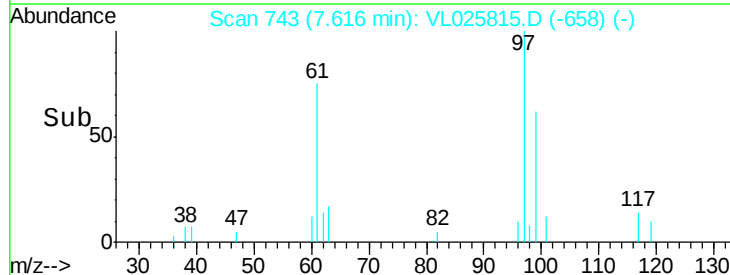
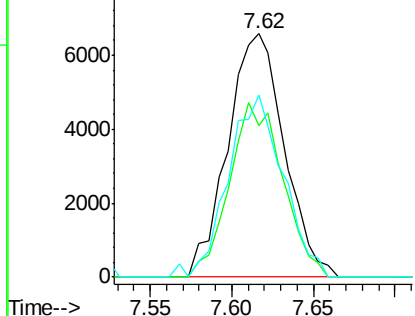
#32

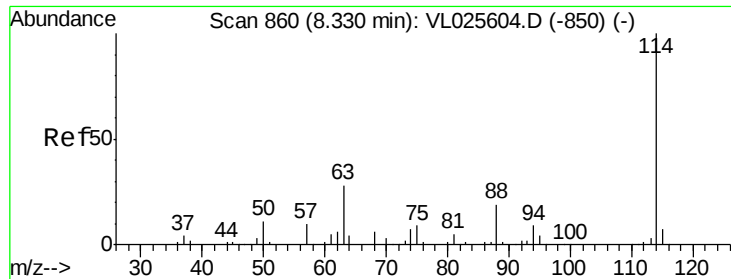
1,1,1-Trichloroethane
 Concen: 0.08 ppbv
 RT: 7.62 min Scan# 743
 Delta R.T. 0.02 min
 Lab File: VL025815.D
 Acq: 31 Jul 2015 16:29

Tgt Ion: 97 Resp: 15882
 Ion Ratio Lower Upper
 97 100
 99 67.4 51.2 76.8
 61 72.6 40.4 60.6#



Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0





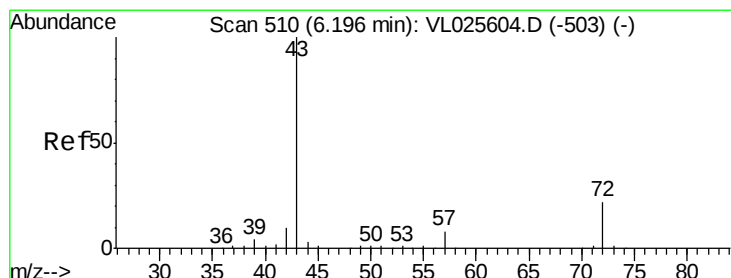
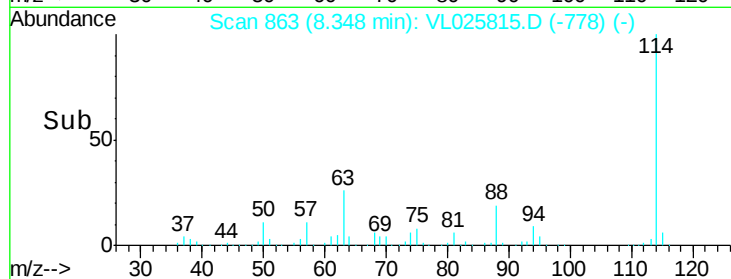
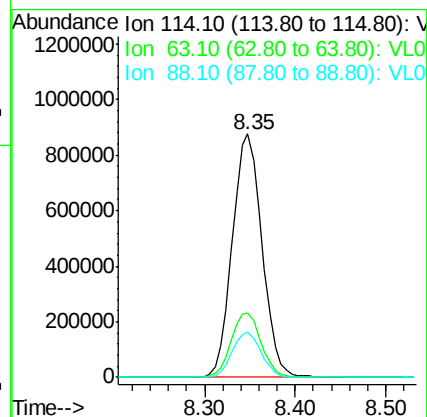
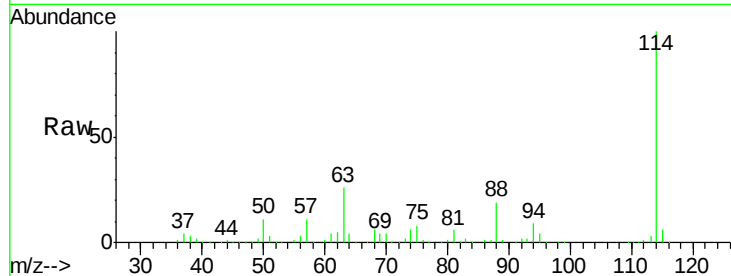
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.35 min Scan# 863
 Delta R.T. 0.02 min
 Lab File: VL025815.D
 Acq: 31 Jul 2015 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tgt Ion: 114 Resp: 1994099
 Ion Ratio Lower Upper
 114 100
 63 26.7 22.4 33.6
 88 18.4 15.0 22.4

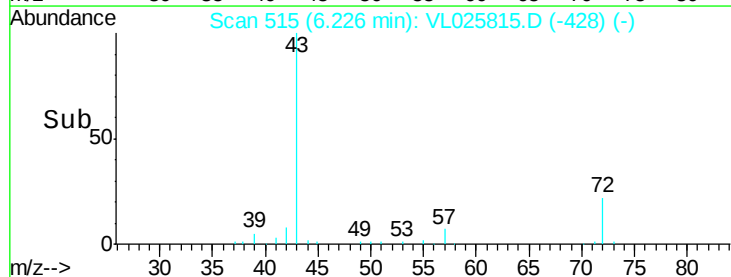
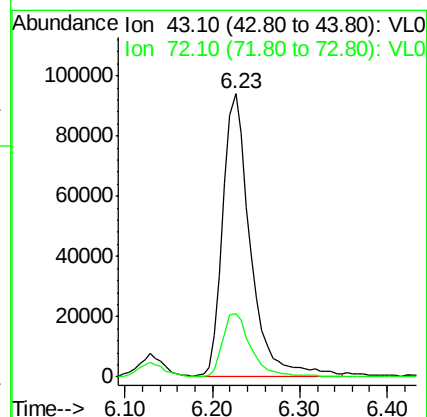
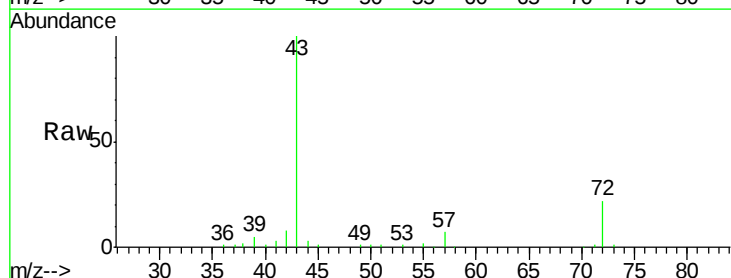
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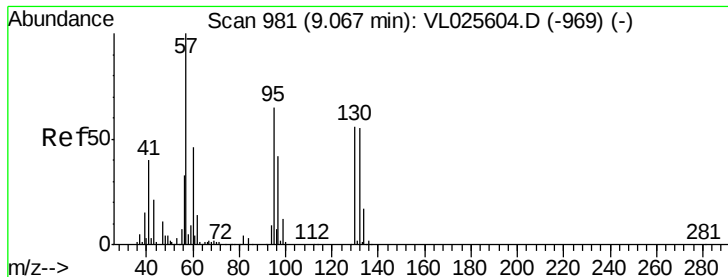
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#34
 2-Butanone
 Concen: 1.83 ppbv
 RT: 6.23 min Scan# 515
 Delta R.T. 0.03 min
 Lab File: VL025815.D
 Acq: 31 Jul 2015 16:29

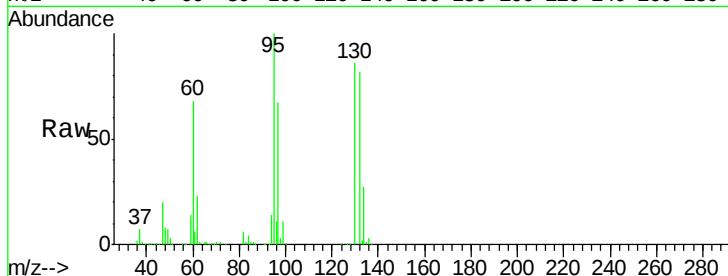
Tgt Ion: 43 Resp: 207504
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.6 28.0





#38
 Trichloroethene
 Concen: 45.72 ppbv
 RT: 9.09 min Scan# 984
 Delta R.T. 0.02 min
 Lab File: VL025815.D
 Acq: 31 Jul 2015 16:29

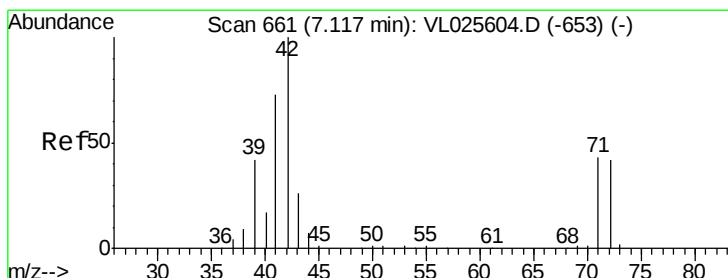
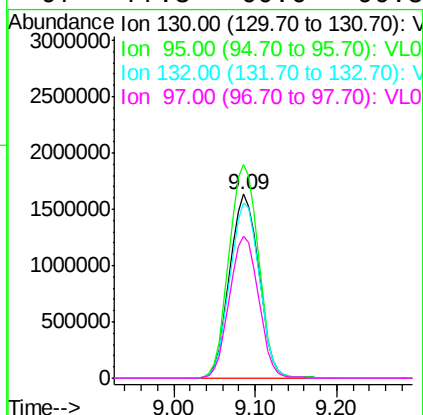
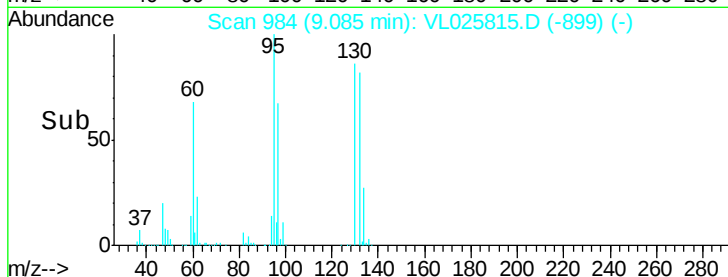
Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL



Tgt Ion: 130 Resp: 4059740
 Ion Ratio Lower Upper
 130 100
 95 116.2 94.2 141.4
 132 95.3 78.6 118.0
 97 77.3 60.6 90.8

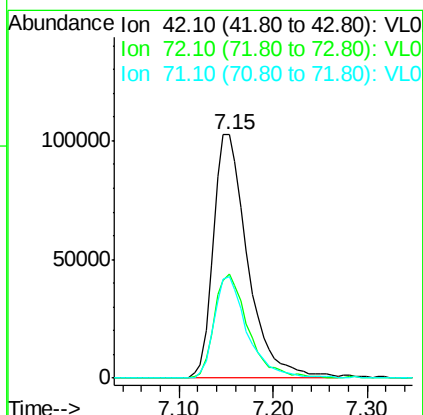
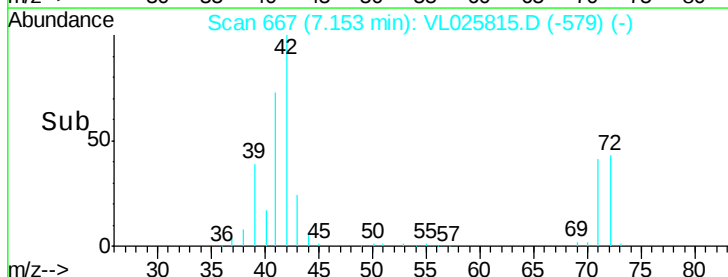
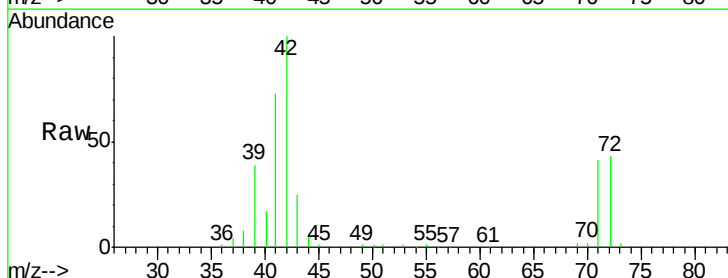
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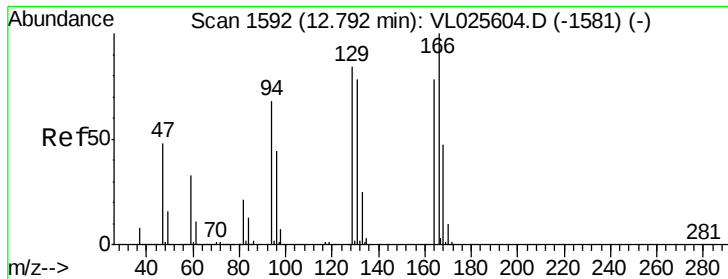
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#41
 Tetrahydrofuran
 Concen: 4.62 ppbv
 RT: 7.15 min Scan# 667
 Delta R.T. 0.04 min
 Lab File: VL025815.D
 Acq: 31 Jul 2015 16:29

Tgt Ion: 42 Resp: 260676
 Ion Ratio Lower Upper
 42 100
 72 42.6 34.0 51.0
 71 40.8 33.0 49.6





#52

Tetrachloroethene

Concen: 425.89 ppbv

RT: 12.92 min Scan# 1613

Delta R.T. 0.13 min

Lab File: VL025815.D

Acq: 31 Jul 2015 16:29

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tgt Ion:164 Resp:40794237

Ion Ratio Lower Upper

164 100

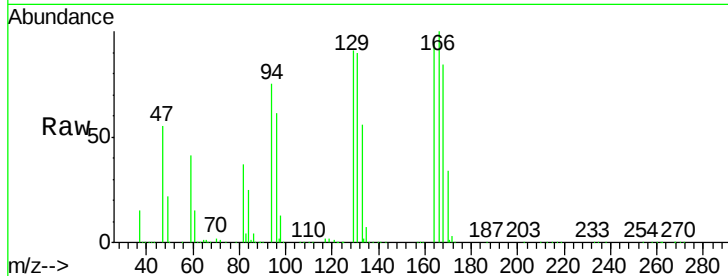
166 105.4 102.3 153.5

129 95.6 86.2 129.4

131 95.2 80.3 120.5

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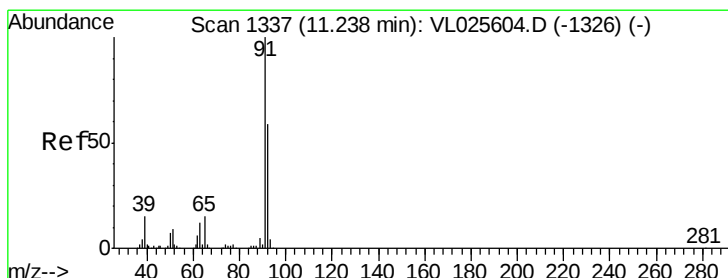
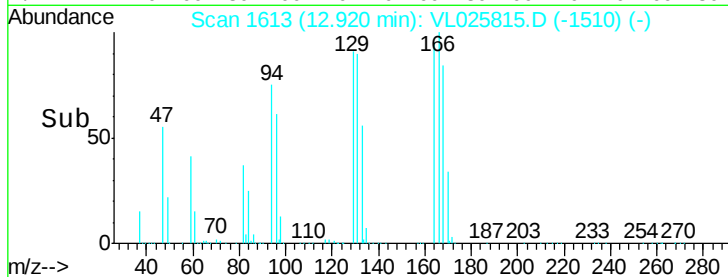
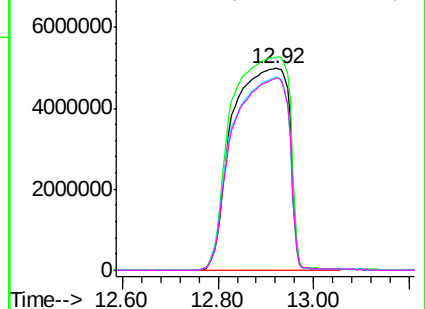


Abundance Ion 163.90 (163.60 to 164.60): V

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



#53

Toluene

Concen: 0.31 ppbv

RT: 11.26 min Scan# 1341

Delta R.T. 0.02 min

Lab File: VL025815.D

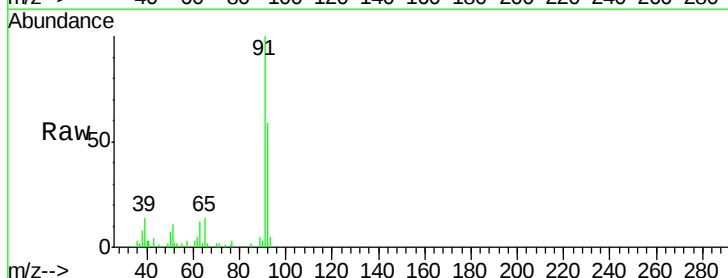
Acq: 31 Jul 2015 16:29

Tgt Ion: 91 Resp: 83226

Ion Ratio Lower Upper

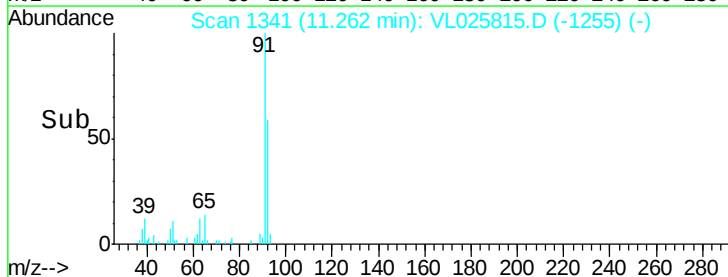
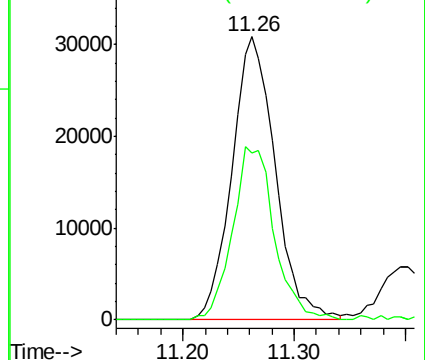
91 100

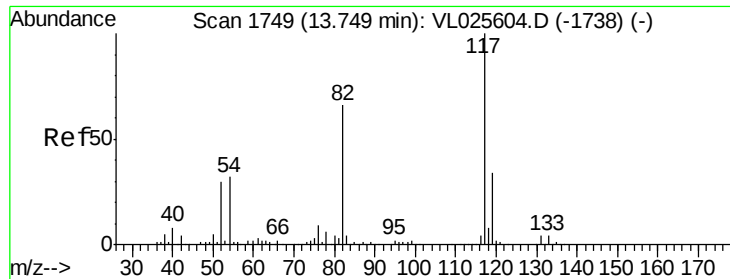
92 59.8 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





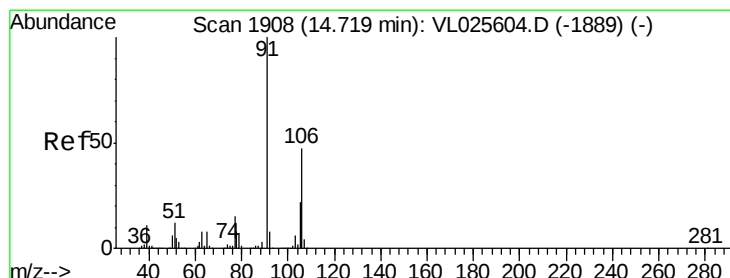
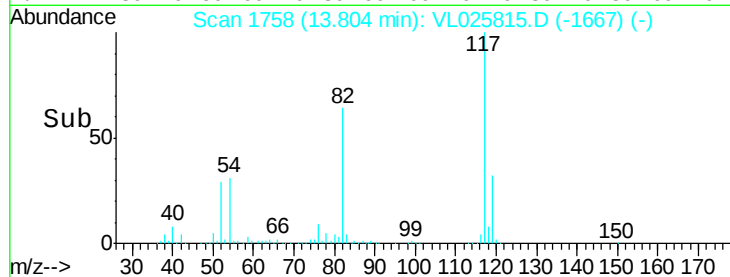
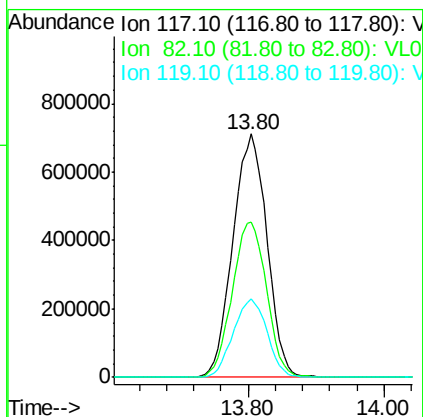
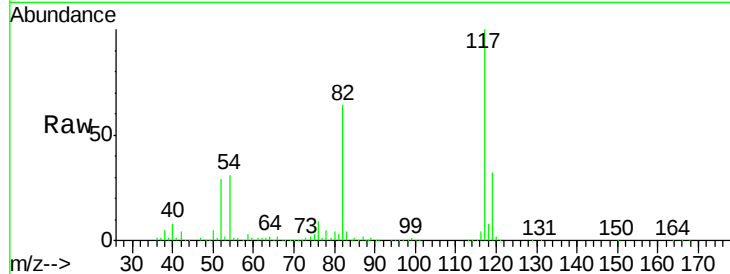
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.80 min Scan# 1758
Delta R.T. 0.05 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 117 Resp: 2481510
Ion Ratio Lower Upper
117 100
82 64.4 50.5 75.7
119 32.2 45.1 67.7#

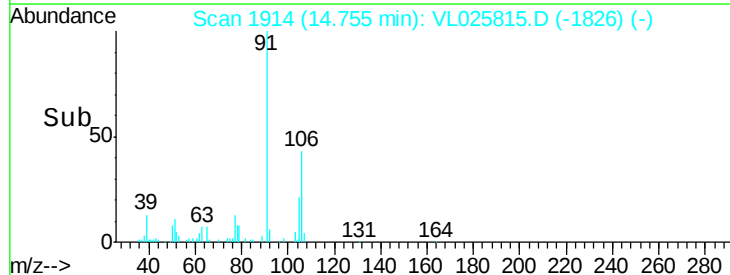
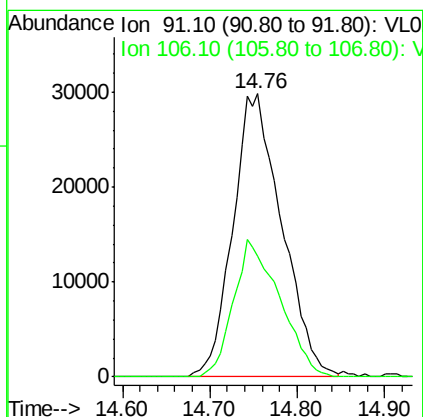
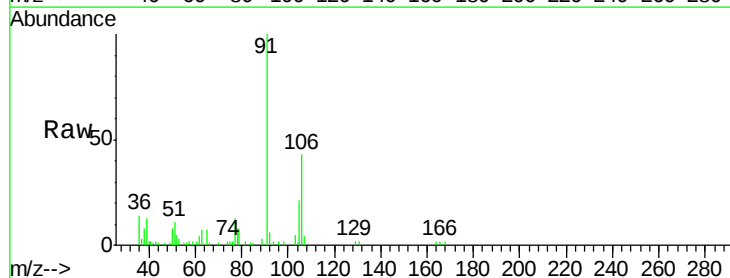
Manual Integrations
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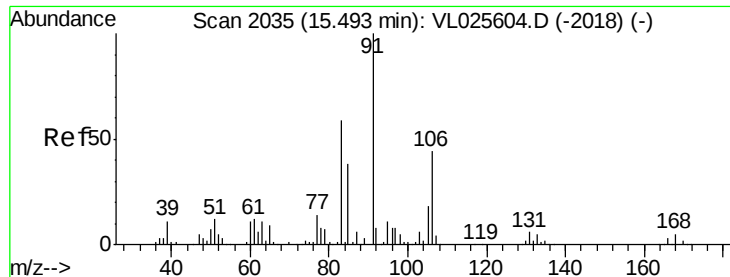
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#59
m/p-Xylene
Concen: 0.32 ppbv
RT: 14.76 min Scan# 1914
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 91 Resp: 115545
Ion Ratio Lower Upper
91 100
106 45.8 37.9 56.9





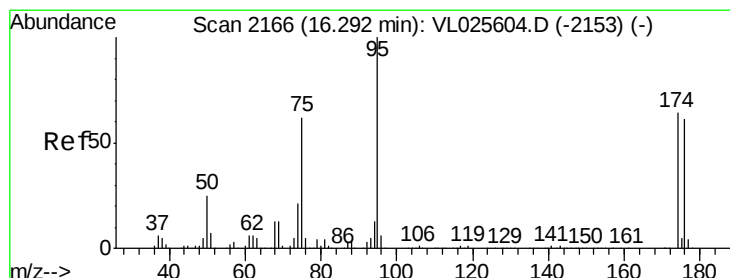
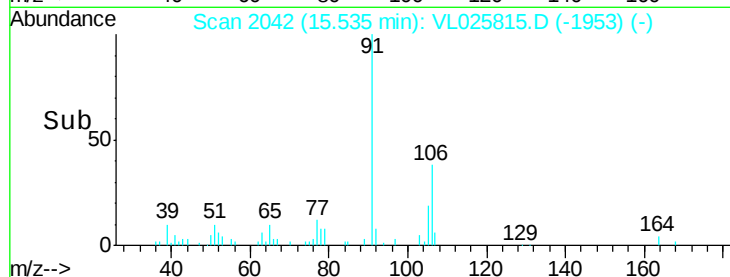
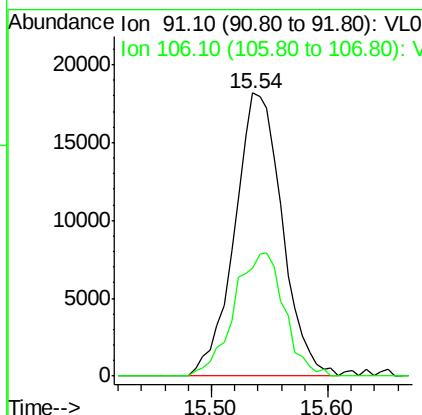
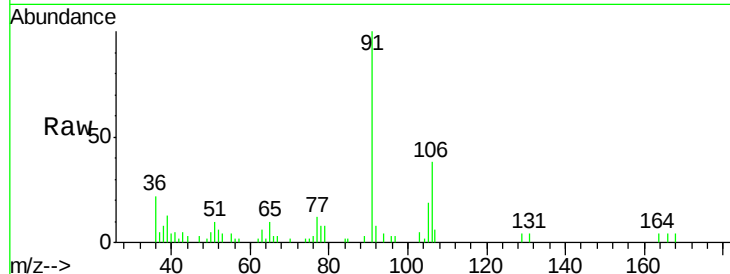
#60
o-Xylene
Concen: 0.13 ppbv
RT: 15.54 min Scan# 2042
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tgt Ion: 91 Resp: 51659
Ion Ratio Lower Upper
91 100
106 45.9 22.1 66.1

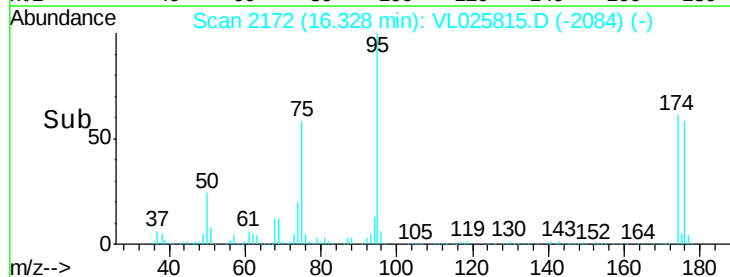
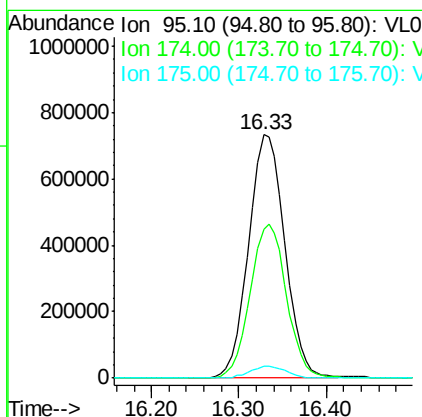
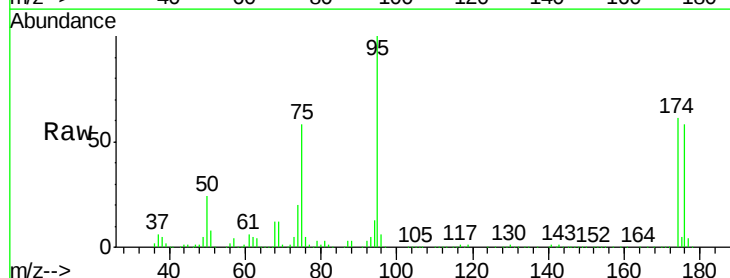
Manual Integrations
APPROVED

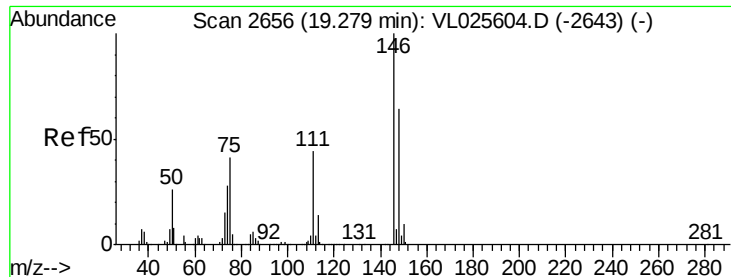
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8/4/2015 12:25:45 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.11 ppbv
RT: 16.33 min Scan# 2172
Delta R.T. 0.04 min
Lab File: VL025815.D
Acq: 31 Jul 2015 16:29

Tgt Ion: 95 Resp: 2115468
Ion Ratio Lower Upper
95 100
174 63.7 52.0 78.0
175 5.0 3.9 5.9





#76
 1,4-Dichlorobenzene
 Concen: 0.16 ppbv
 RT: 19.31 min Scan# 2661
 Delta R.T. 0.03 min
 Lab File: VL025815.D
 Acq: 31 Jul 2015 16:29

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	48887		
111	47.4	22.1	66.1	
148	66.0	31.9	95.9	

Manual Integrations
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