

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026223.D
 Acq On : 21 Oct 2015 2:19
 Operator : SY/MD
 Sample : G4086-01DL 600X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45INFLUENT-100215DL

Manual Integrations
 APPROVED

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 10/22/2015 4:32:19 PM

Quant Time: Oct 21 16:50:45 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Oct 21 2015
 QLast Update : Wed Oct 21 01:20:55 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.63	49	638208	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.31	114	1790086	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.71	117	1990633	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1582470	10.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.56	51	31022m	0.38	ppbv	
5) Vinyl Chloride	3.88	62	24698	0.54	ppbv	93
9) Propene	3.58	41	4370	0.12	ppbv	88
10) Heptane	9.33	43	14408	0.11	ppbv	93
13) Ethanol	4.35	45	10309	1.82	ppbv	93
15) Acetone	4.60	43	306567	3.26	ppbv	93
19) Isopropyl Alcohol	4.80	45	16594	0.45	ppbv #	27
22) trans-1,2-Dichloroethene	5.74	96	13166	0.26	ppbv	87
31) cis-1,2-Dichloroethene	6.49	61	745492	9.33	ppbv	97
34) 2-Butanone	6.21	43	91010	0.90	ppbv	100
38) Trichloroethene	9.04	130	4577832	51.75	ppbv	94

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

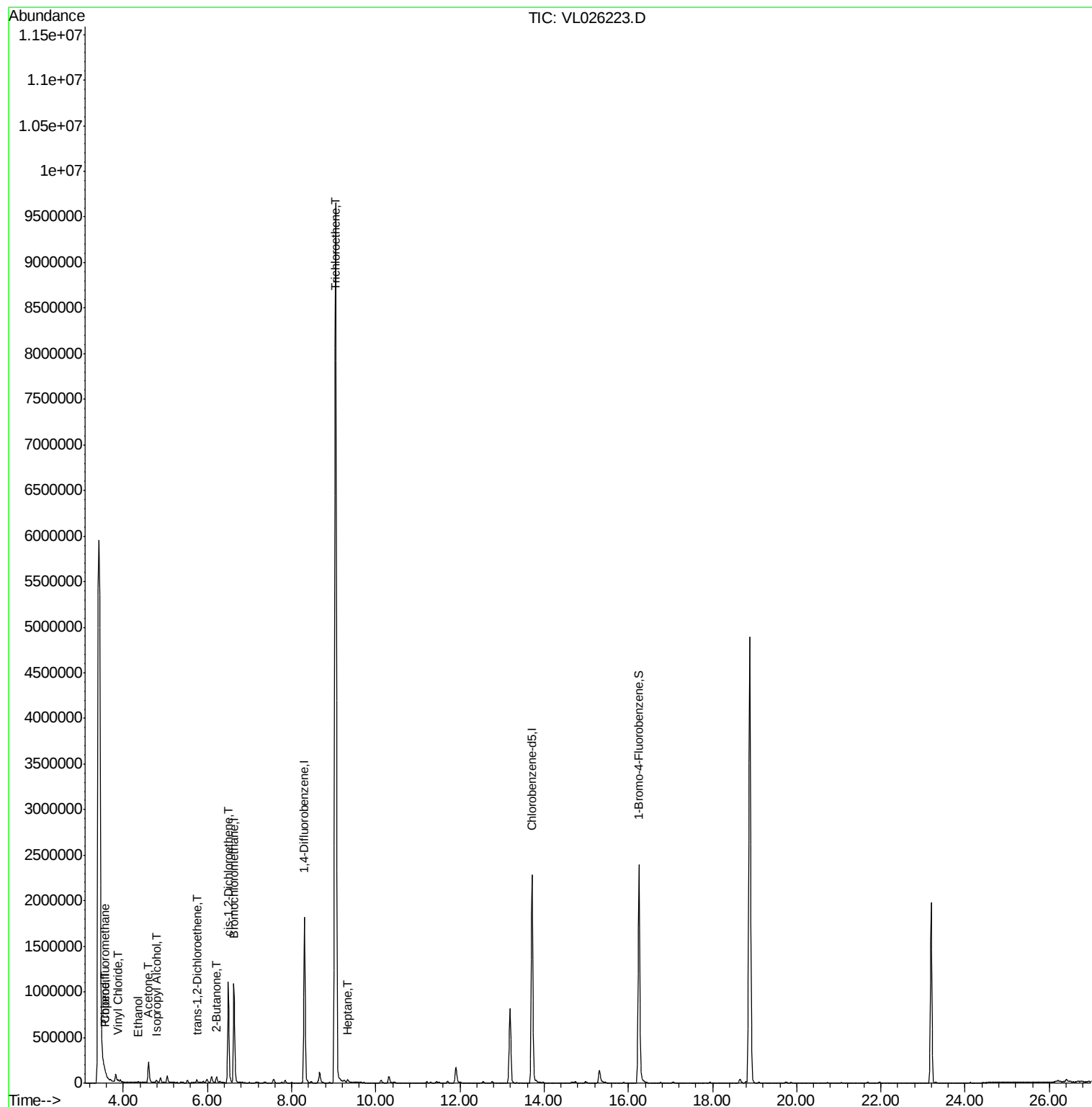
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
Data File : VL026223.D
Acq On : 21 Oct 2015 2:19
Operator : SY/MD
Sample : G4086-01DL 600X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

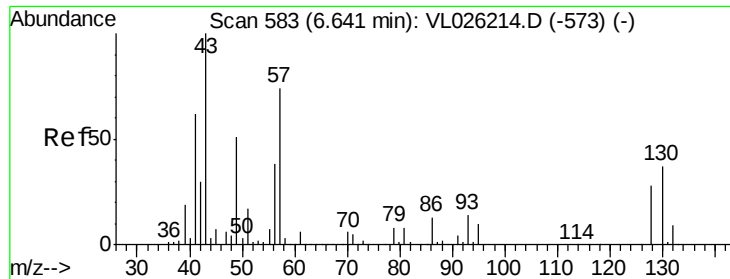
Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT-100215DL

Manual Integrations
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Quant Time: Oct 21 16:50:45 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.63 min Scan# 581

Delta R.T. -0.01 min

Lab File: VL026223.D

Acq: 21 Oct 2015 2:19

Instrument :

MSVOA_L

ClientSampleId :

ERD45INFLUENT-100215DL

Tot Ion: 49 Resp: 638208

Ion Ratio Lower Upper

49 100

128 54.0 28.2 84.7

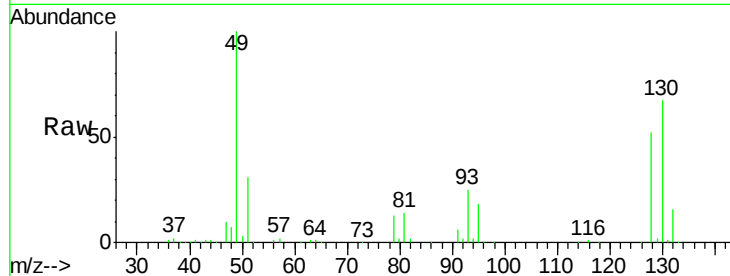
130 68.9 36.0 108.1

Manual Integrations

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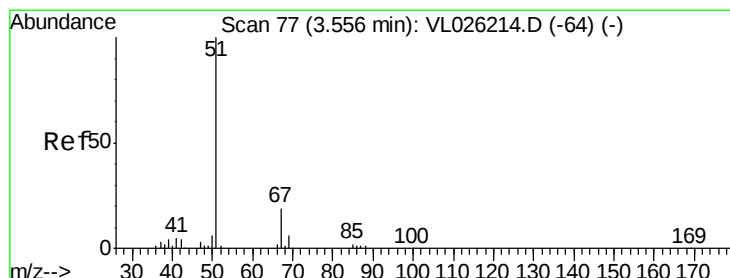
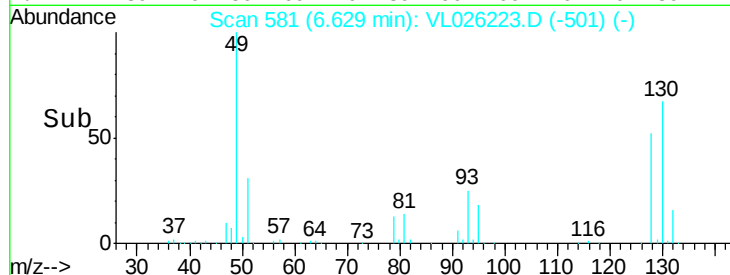
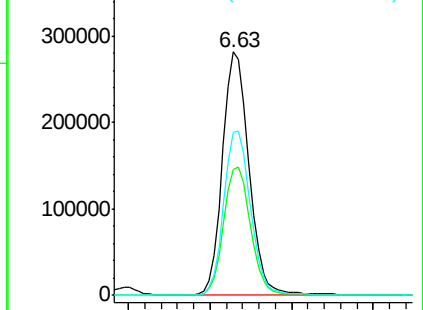
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.38 ppbv m

RT: 3.56 min Scan# 78

Delta R.T. 0.01 min

Lab File: VL026223.D

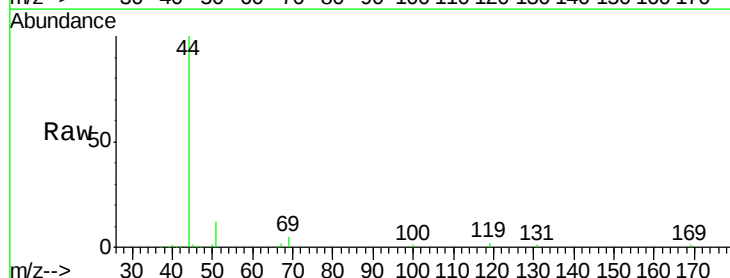
Acq: 21 Oct 2015 2:19

Tgt Ion: 51 Resp: 31022

Ion Ratio Lower Upper

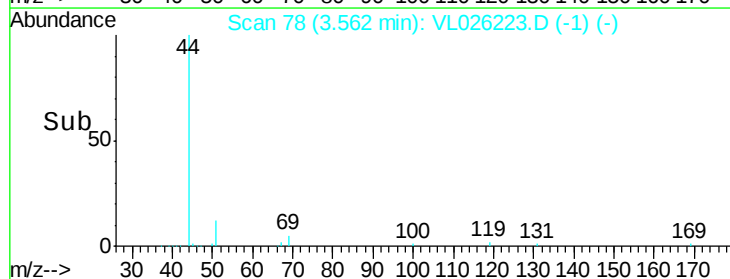
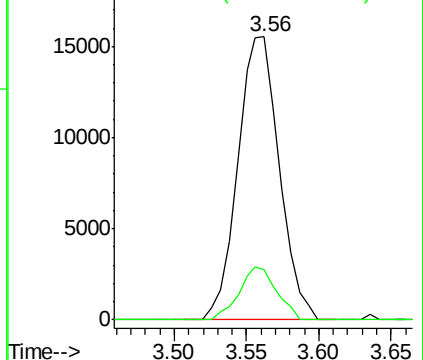
51 100

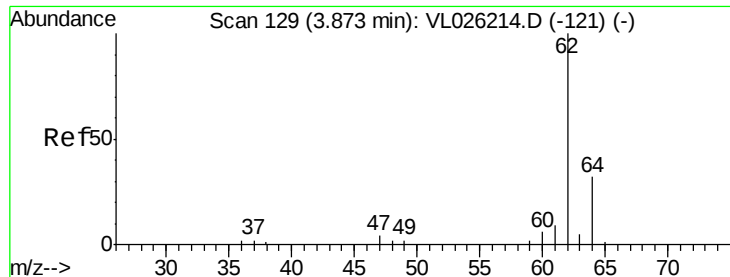
67 16.9 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#5

Vinyl Chloride

Concen: 0.54 ppbv

RT: 3.88 min Scan# 130

Delta R.T. 0.01 min

Lab File: VL026223.D

Acq: 21 Oct 2015 2:19

Instrument :

MSVOA_L

ClientSampleId :

ERD45INFLUENT-100215DL

Tot Ion: 62 Resp: 24698

Ion Ratio Lower Upper

62 100

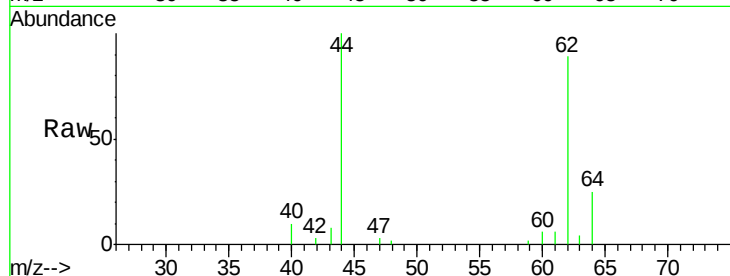
64 27.9 25.6 38.4

Manual Integrations

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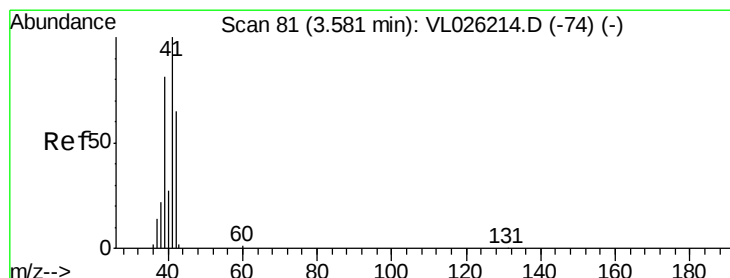
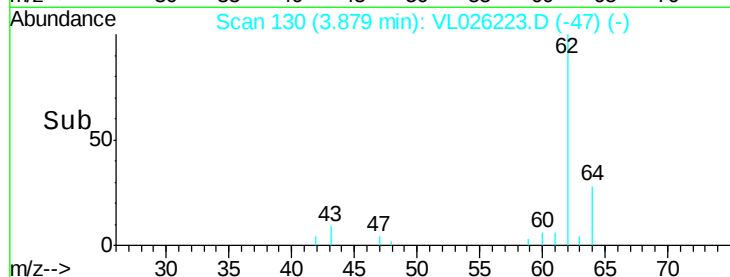
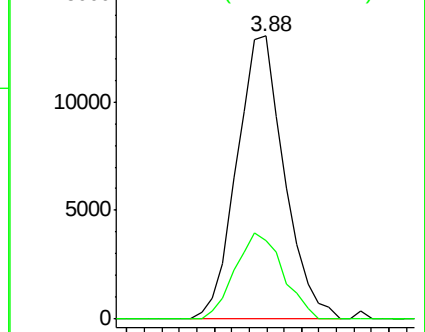
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#9

Propene

Concen: 0.12 ppbv

RT: 3.58 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL026223.D

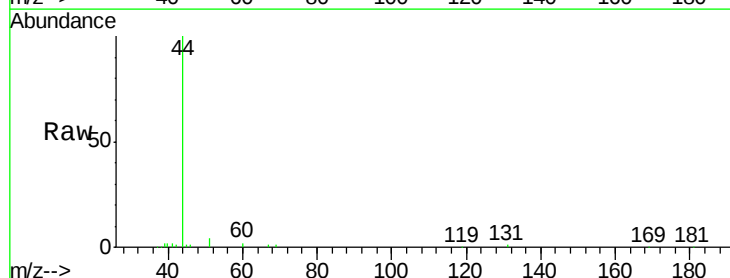
Acq: 21 Oct 2015 2:19

Tgt Ion: 41 Resp: 4370

Ion Ratio Lower Upper

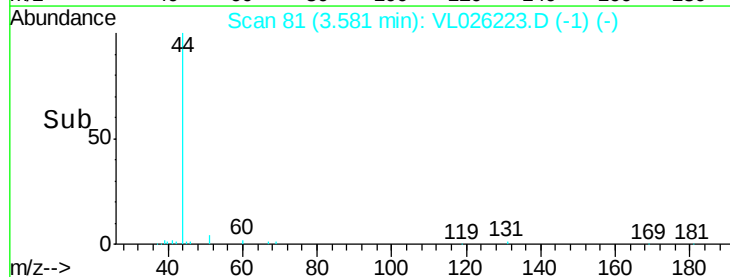
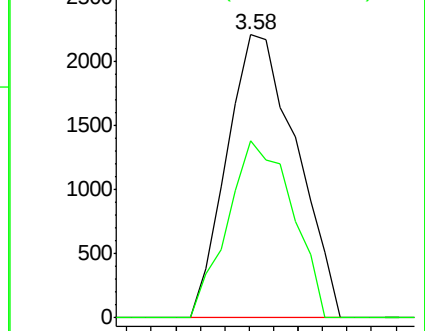
41 100

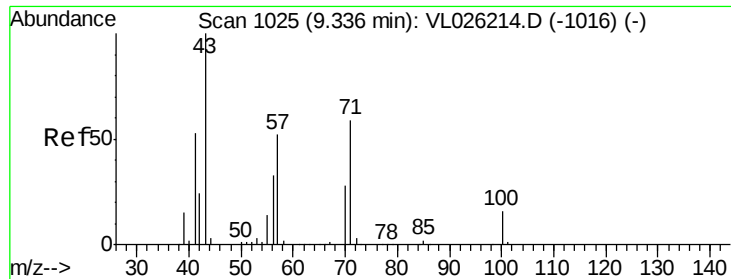
42 58.1 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





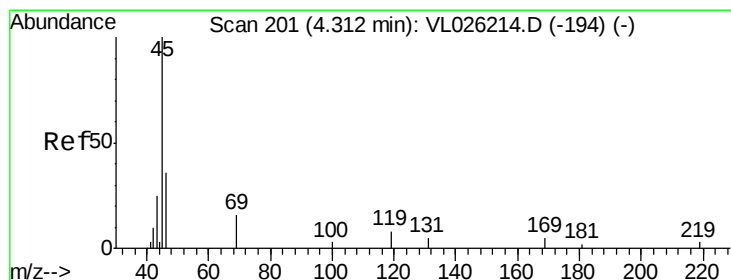
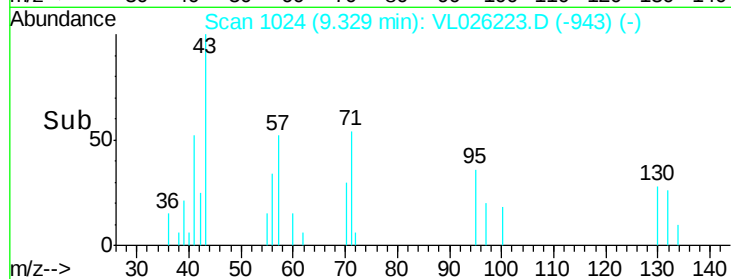
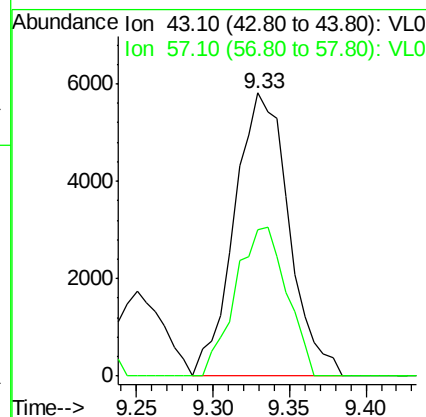
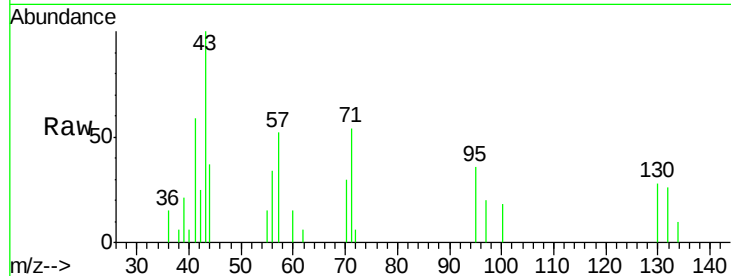
#10
Heptane
Concen: 0.11 ppbv
RT: 9.33 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL026223.D
Acq: 21 Oct 2015 2:19

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT-100215DL

Tot Ion: 43 Resp: 14408
Ion Ratio Lower Upper
43 100
57 49.4 43.7 65.5

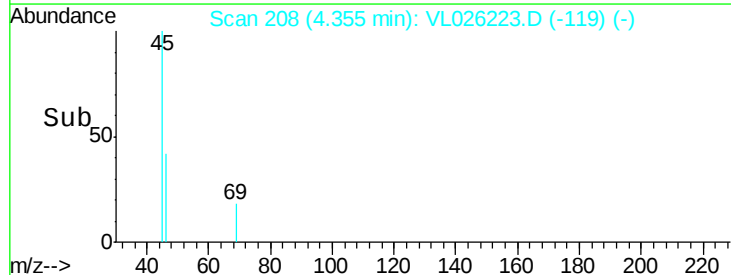
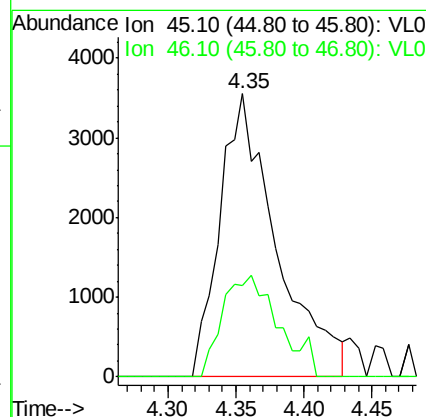
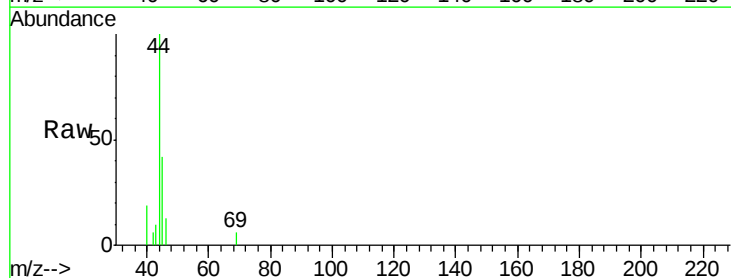
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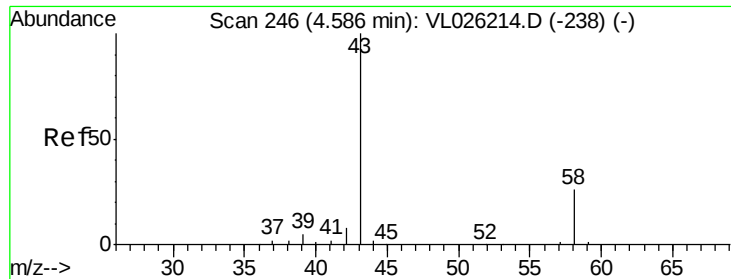
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#13
Ethanol
Concen: 1.82 ppbv
RT: 4.35 min Scan# 208
Delta R.T. 0.04 min
Lab File: VL026223.D
Acq: 21 Oct 2015 2:19

Tgt Ion: 45 Resp: 10309
Ion Ratio Lower Upper
45 100
46 35.1 15.8 63.0





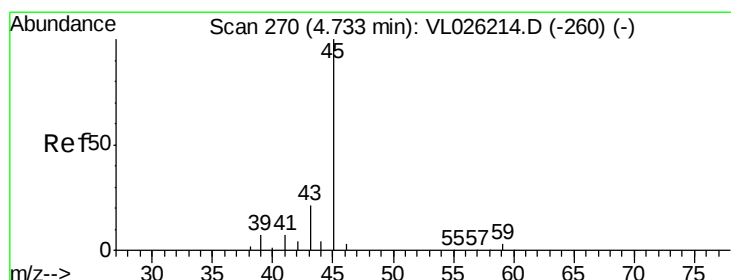
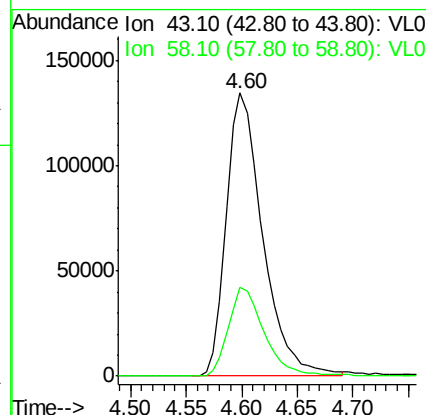
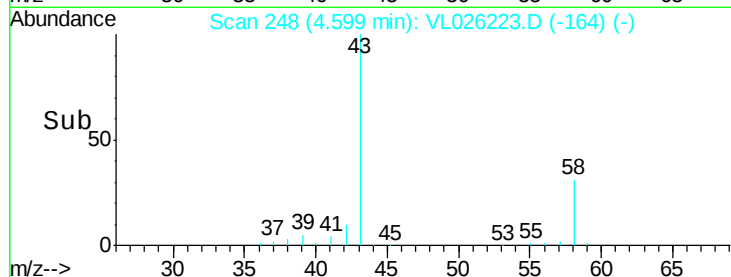
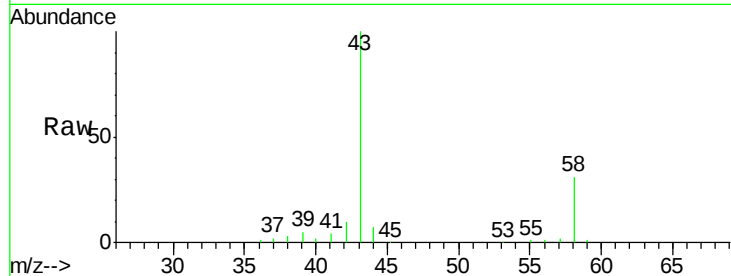
#15
Acetone
Concen: 3.26 ppbv
RT: 4.60 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL026223.D
Acq: 21 Oct 2015 2:19

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT-100215DL

Tot Ion: 43 Resp: 306567
Ion Ratio Lower Upper
43 100
58 30.8 21.8 32.6

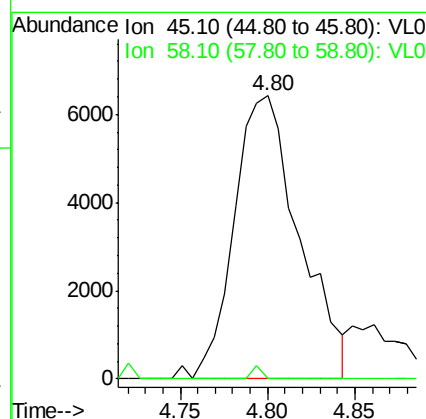
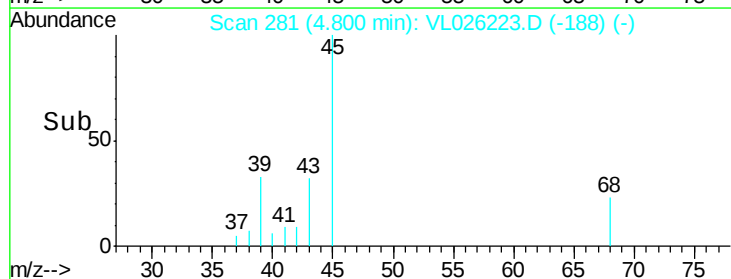
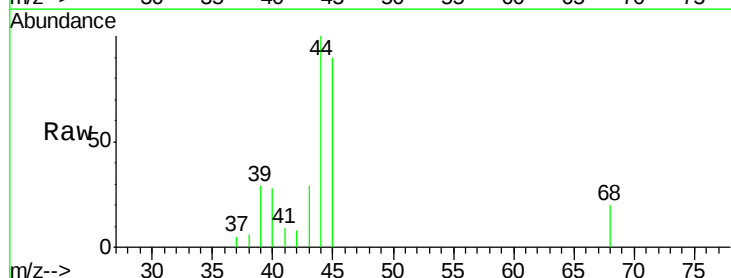
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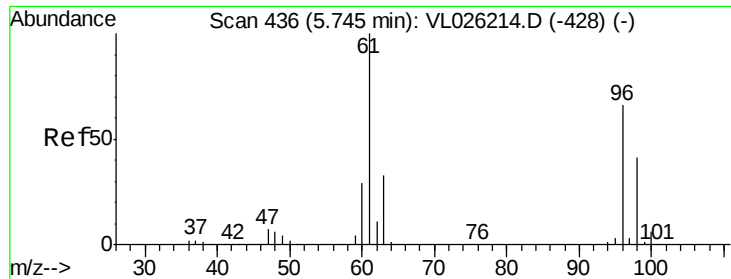
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#19
Isopropyl Alcohol
Concen: 0.45 ppbv
RT: 4.80 min Scan# 281
Delta R.T. 0.07 min
Lab File: VL026223.D
Acq: 21 Oct 2015 2:19

Tgt Ion: 45 Resp: 16594
Ion Ratio Lower Upper
45 100
58 0.0 40.3 60.5#





#22

trans-1,2-Dichloroethene

Concen: 0.26 ppbv

RT: 5.74 min Scan# 436

Delta R.T. -0.00 min

Lab File: VL026223.D

Acq: 21 Oct 2015 2:19

Instrument :

MSVOA_L

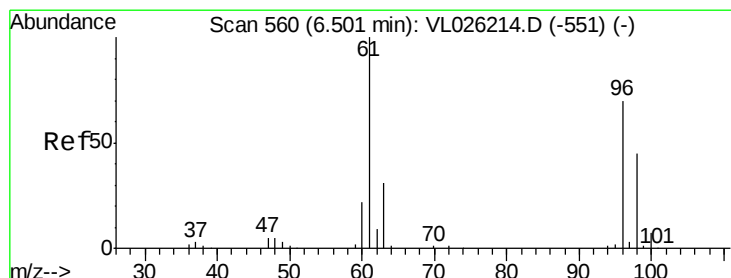
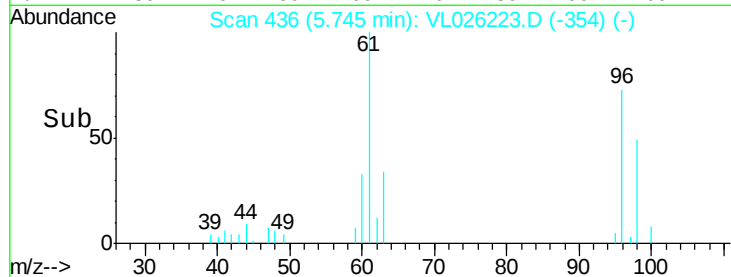
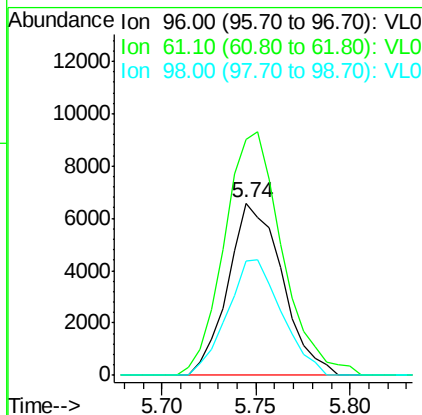
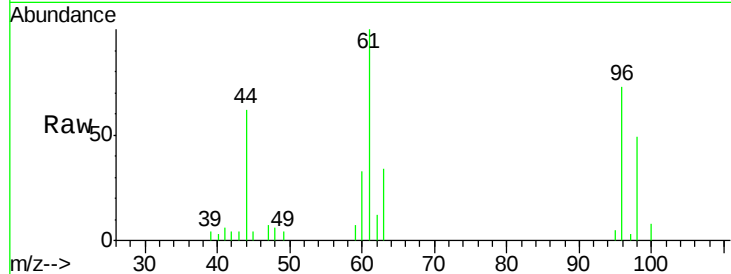
ClientSampleId :

ERD45INFLUENT-100215DL

Tot Ion:	96	Resp:	13166
Ion	Ratio	Lower	Upper
96	100		
61	131.8	121.5	182.3
98	66.6	49.7	74.5

Manual Integrations
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#31

cis-1,2-Dichloroethene

Concen: 9.33 ppbv

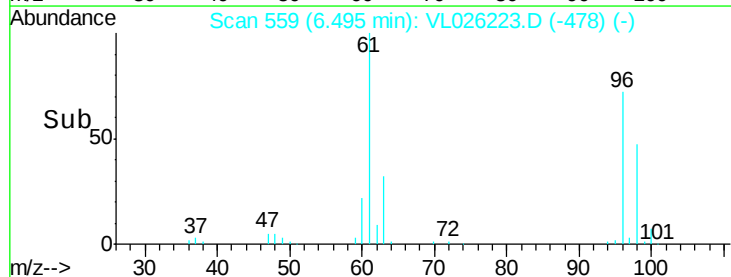
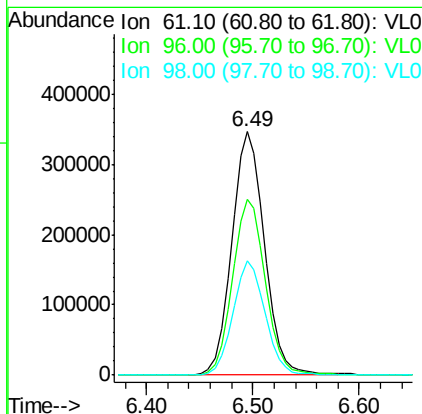
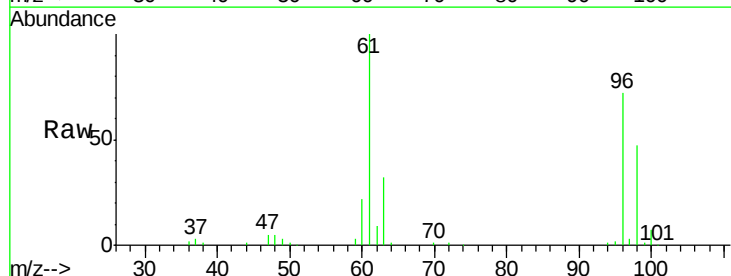
RT: 6.49 min Scan# 559

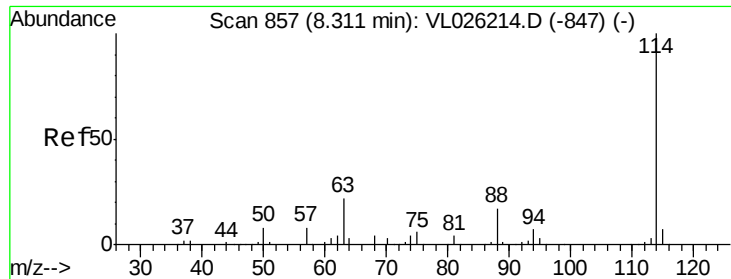
Delta R.T. -0.01 min

Lab File: VL026223.D

Acq: 21 Oct 2015 2:19

Tgt Ion:	61	Resp:	745492
Ion	Ratio	Lower	Upper
61	100		
96	72.2	56.0	84.0
98	47.1	36.1	54.1





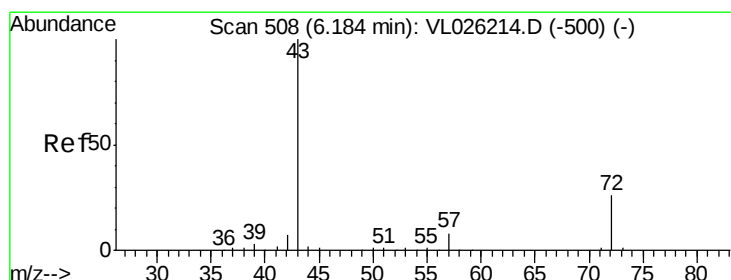
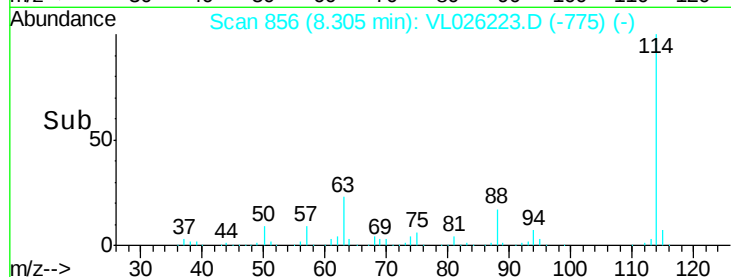
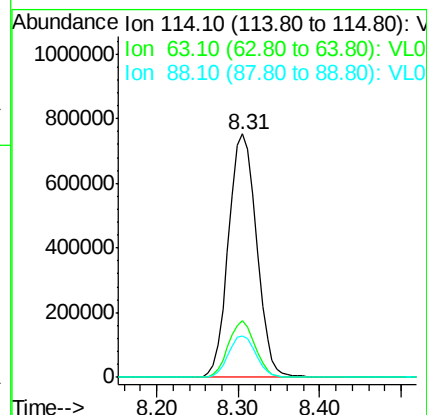
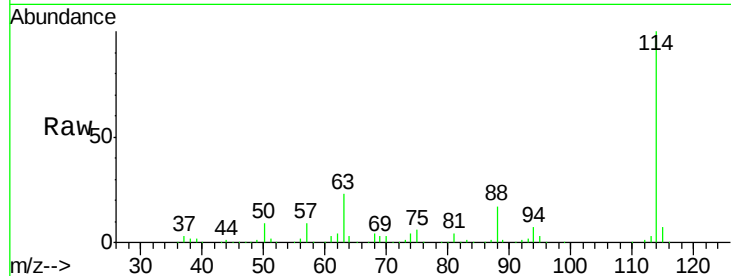
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL026223.D
 Acq: 21 Oct 2015 2:19

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45INFLUENT-100215DL

Tot Ion:114 Resp: 1790086
 Ion Ratio Lower Upper
 114 100
 63 22.2 18.2 27.4
 88 16.8 13.5 20.3

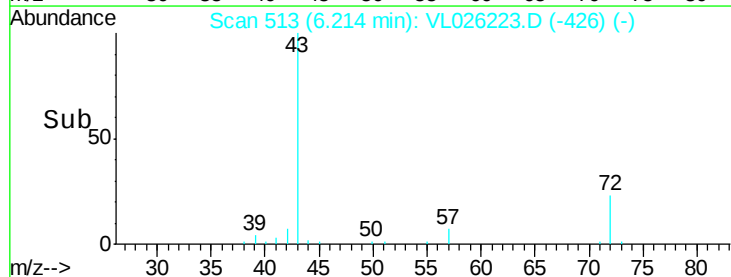
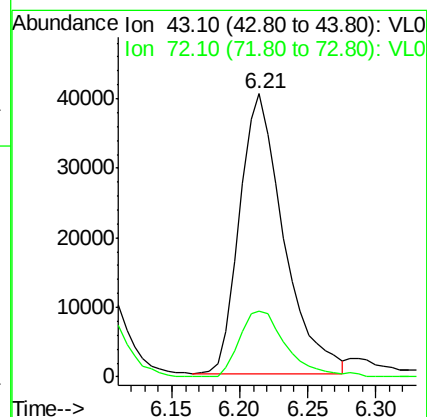
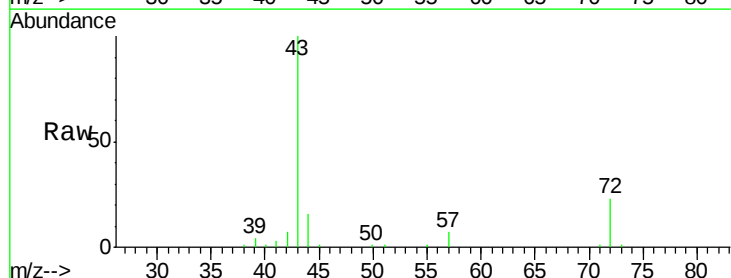
Manual Integrations
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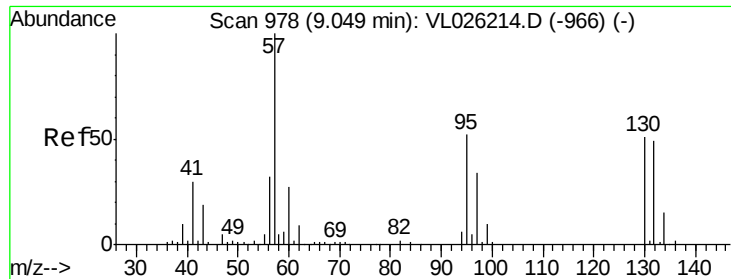
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#34
 2-Butanone
 Concen: 0.90 ppbv
 RT: 6.21 min Scan# 513
 Delta R.T. 0.03 min
 Lab File: VL026223.D
 Acq: 21 Oct 2015 2:19

Tgt Ion: 43 Resp: 91010
 Ion Ratio Lower Upper
 43 100
 72 25.0 20.1 30.1





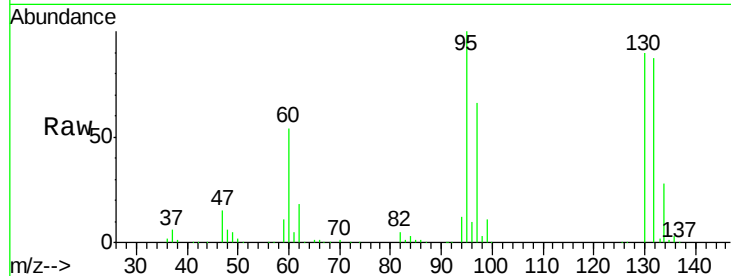
#38
 Trichloroethene
 Concen: 51.75 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VL026223.D
 Acq: 21 Oct 2015 2:19

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45INFLUENT-100215DL

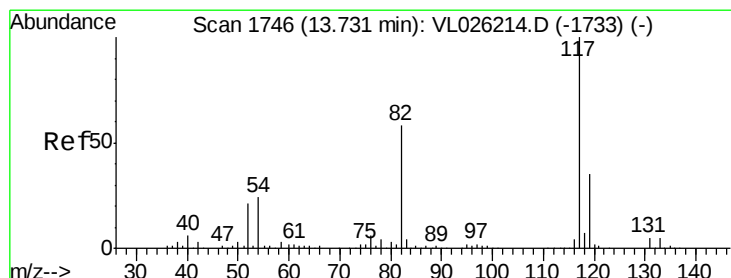
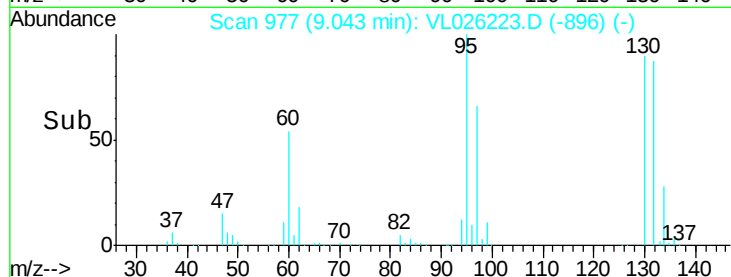
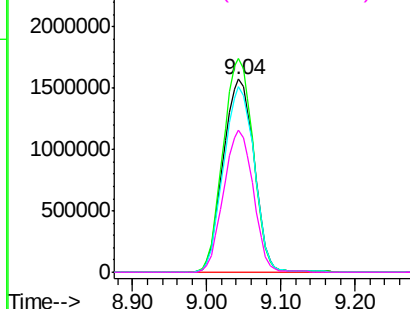
Tot Ion:130 Resp: 4577832
 Ion Ratio Lower Upper
 130 100
 95 110.6 81.0 121.4
 132 96.1 76.5 114.7
 97 73.3 52.5 78.7

Manual Integrations
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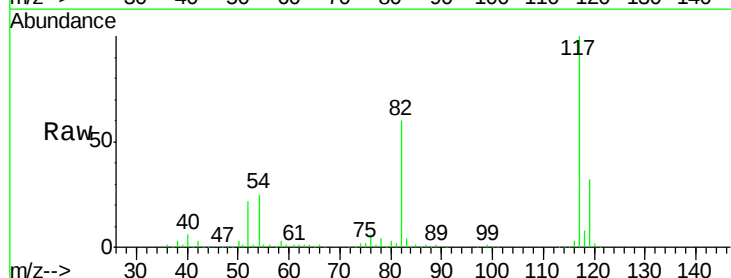


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

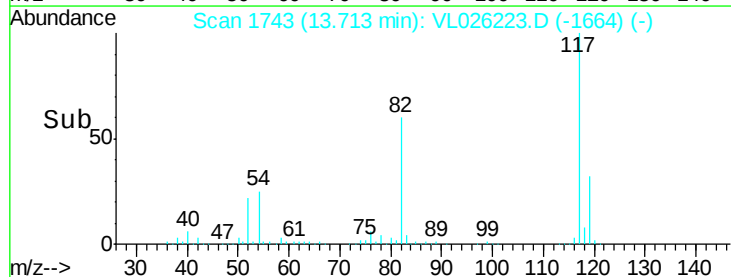
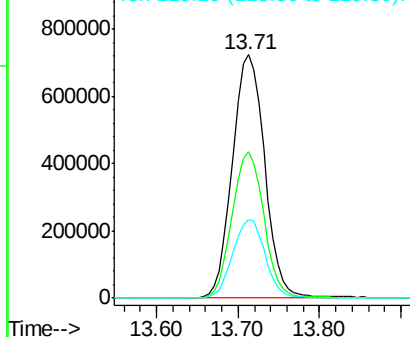


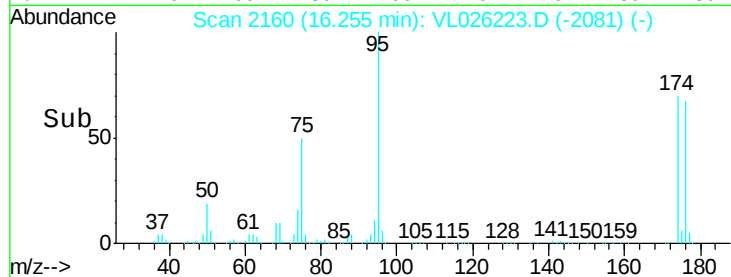
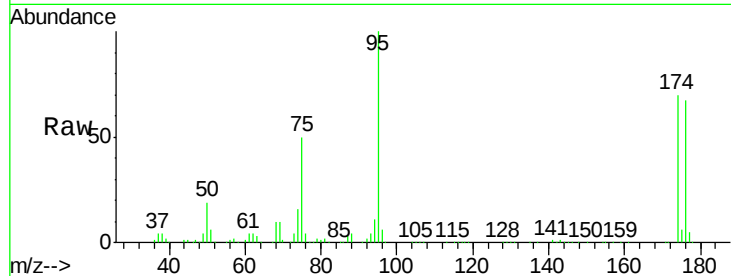
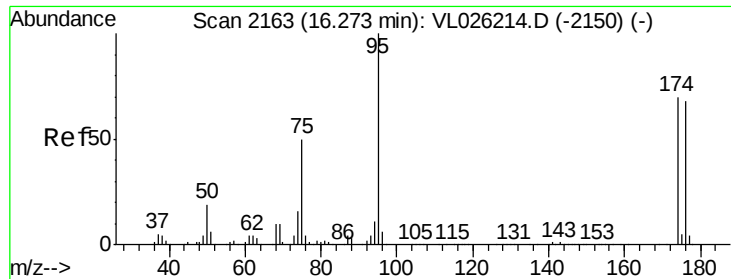
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 13.71 min Scan# 1743
 Delta R.T. -0.02 min
 Lab File: VL026223.D
 Acq: 21 Oct 2015 2:19

Tgt Ion:117 Resp: 1990633
 Ion Ratio Lower Upper
 117 100
 82 59.9 45.8 68.8
 119 32.6 45.0 67.4#



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: 10.31 ppbv

RT: 16.25 min Scan# 2160

Delta R.T. -0.02 min

Lab File: VL026223.D

Acq: 21 Oct 2015 2:19

Instrument :

MSVOA_L

ClientSampleId :

ERD45INFLUENT-100215DL

Tot Ion: 95 Resp: 1582470

Ion Ratio Lower Upper

95 100

174 69.8 55.8 83.8

175 5.4 4.3 6.5

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:32:19 PM

