

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
 Data File : VL026225.D
 Acq On : 21 Oct 2015 3:36
 Operator : SY/MD
 Sample : G4086-02DL 600X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45INFLUENT-101415DL

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:32:43 PM

Quant Time: Oct 21 16:57:47 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	546020	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	8.31	114	1588956	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.71	117	1866194	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1500146	10.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.56	51	26858m	0.39	ppbv	
5) Vinyl Chloride	3.87	62	19453	0.50	ppbv	95
13) Ethanol	4.35	45	7992	1.65	ppbv	89
15) Acetone	4.59	43	299240	3.72	ppbv	94
19) Isopropyl Alcohol	4.79	45	15008	0.48	ppbv #	27
22) trans-1,2-Dichloroethene	5.74	96	12181	0.28	ppbv	94
31) cis-1,2-Dichloroethene	6.49	61	629064	9.20	ppbv	99
34) 2-Butanone	6.21	43	95833	1.07	ppbv	99
38) Trichloroethene	9.04	130	4811052	61.28	ppbv	95

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

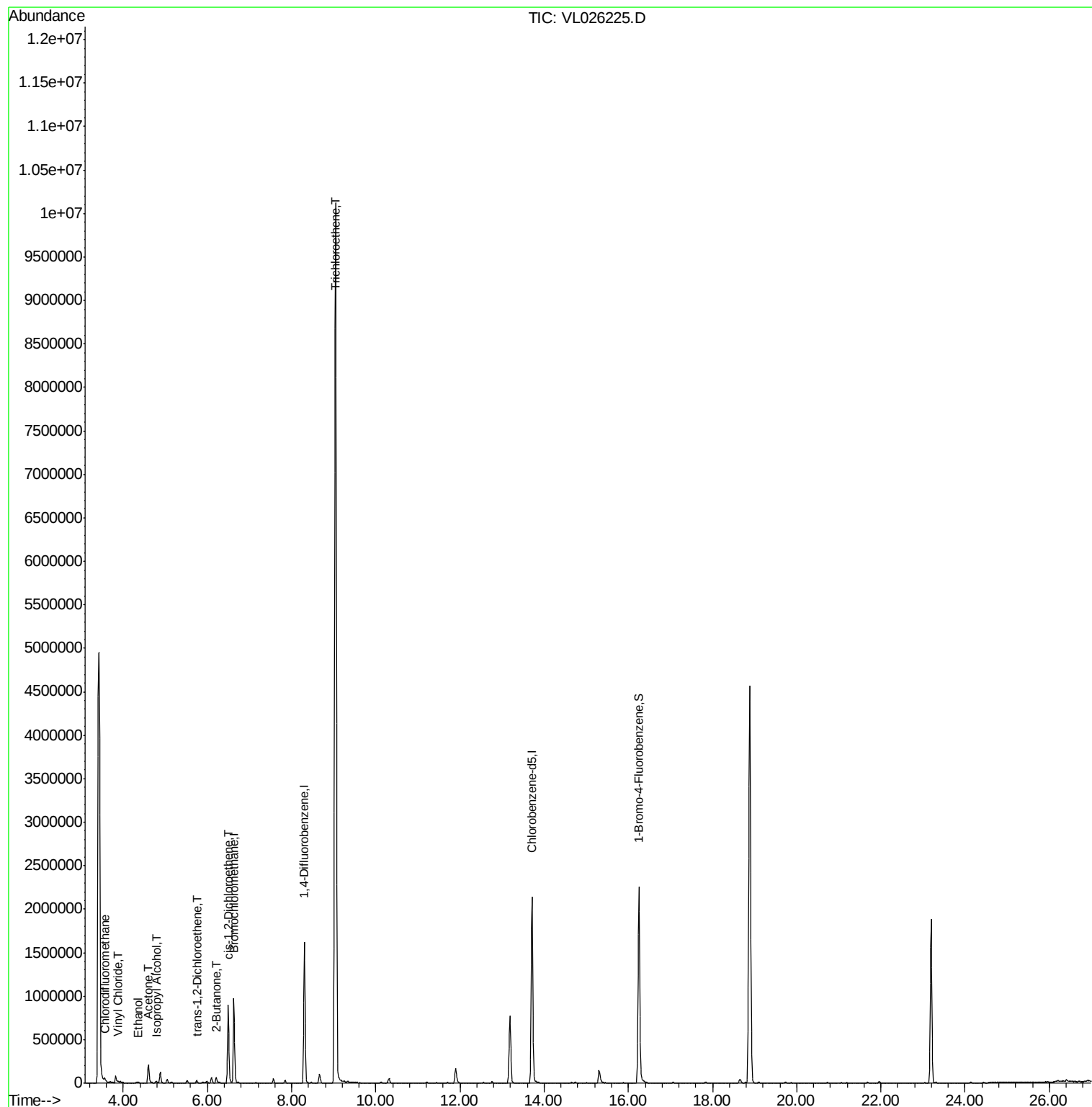
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102015\
Data File : VL026225.D
Acq On : 21 Oct 2015 3:36
Operator : SY/MD
Sample : G4086-02DL 600X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

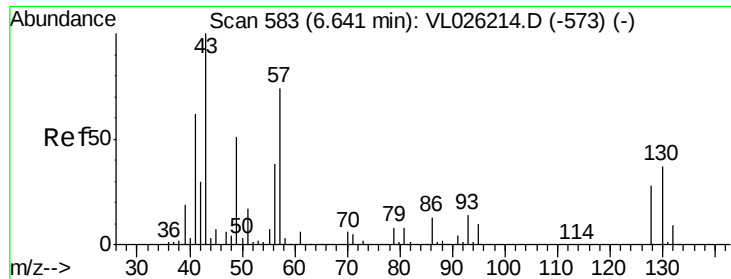
Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT-101415DL

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:32:43 PM

Quant Time: Oct 21 16:57:47 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: VL026225.D

Acq: 21 Oct 2015 3:36

Instrument :

MSVOA_L

ClientSampleId :

ERD45INFLUENT-101415DL

Tot Ion: 49 Resp: 546020

Ion Ratio Lower Upper

49 100

128 56.7 28.2 84.7

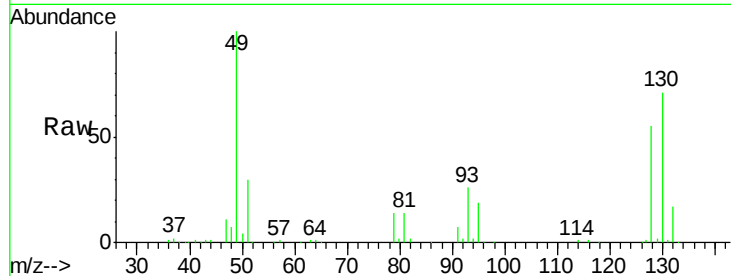
130 72.2 36.0 108.1

Manual Integrations

APPROVED

MMDadoda

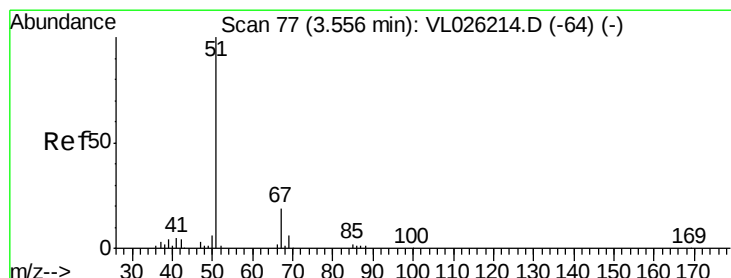
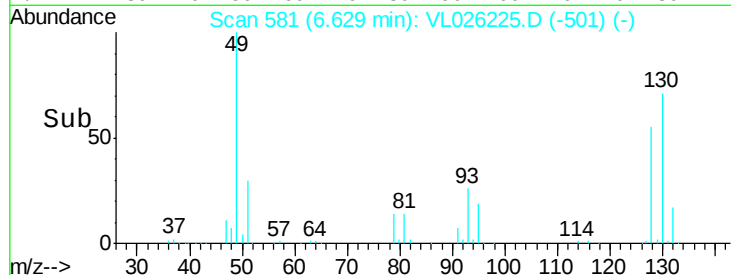
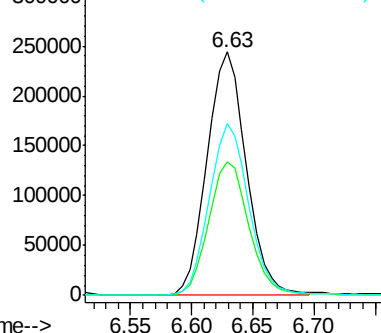
10/22/2015 4:32:43 PM



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: 0.39 ppbv m

RT: 3.56 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL026225.D

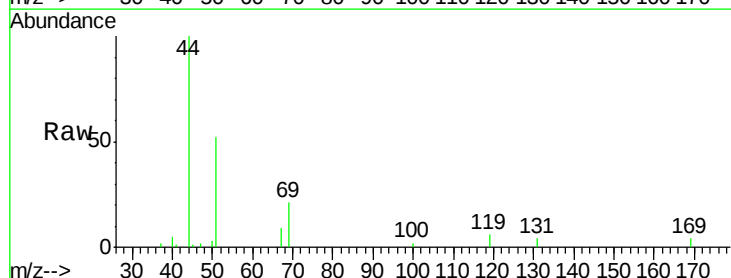
Acq: 21 Oct 2015 3:36

Tgt Ion: 51 Resp: 26858

Ion Ratio Lower Upper

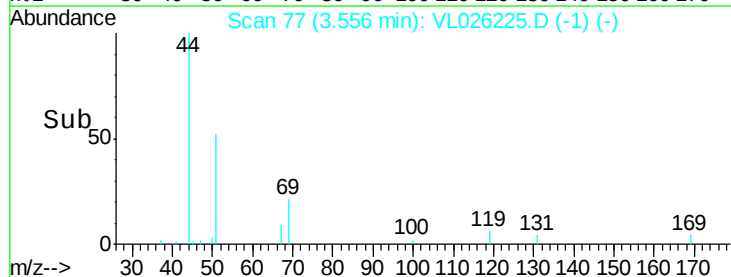
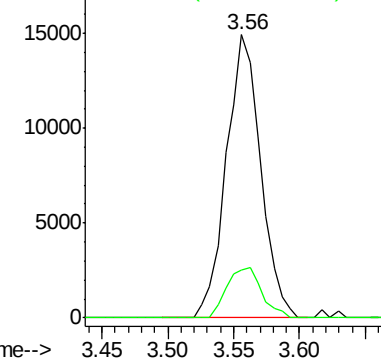
51 100

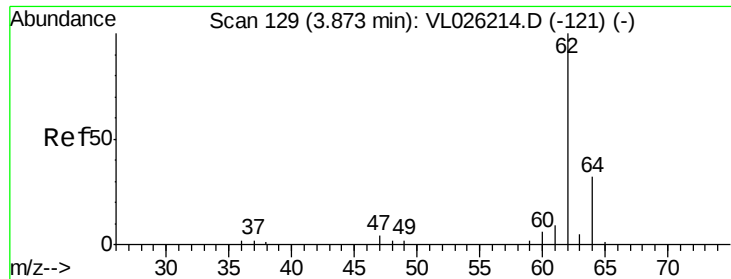
67 18.2 15.3 22.9



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#5

Vinyl Chloride

Concen: 0.50 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026225.D

Acq: 21 Oct 2015 3:36

Instrument :

MSVOA_L

ClientSampleId :

ERD45INFLUENT-101415DL

Tot Ion: 62 Resp: 19453

Ion Ratio Lower Upper

62 100

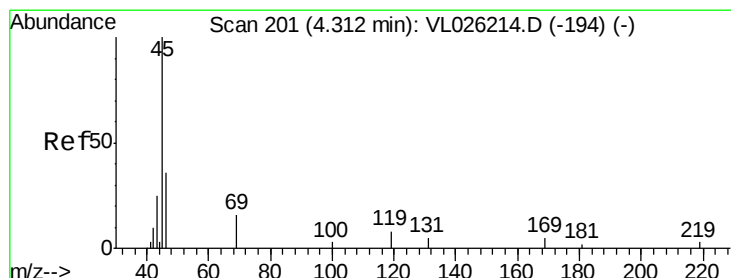
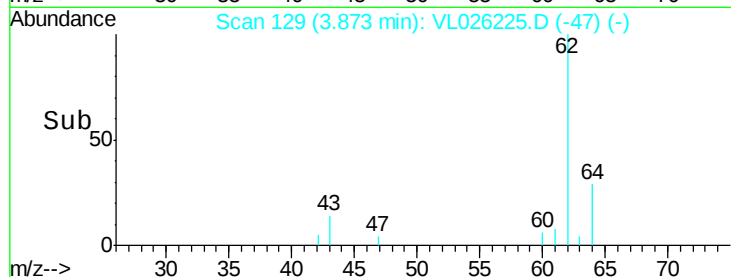
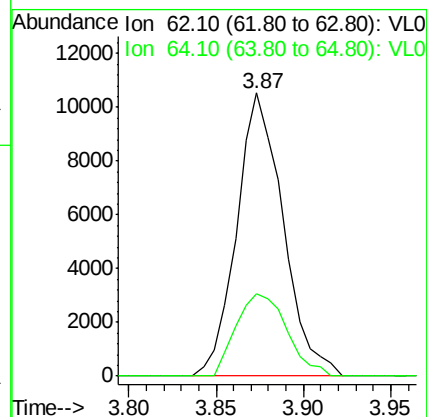
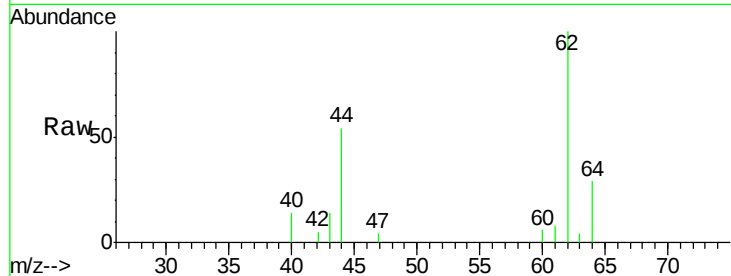
64 29.0 25.6 38.4

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:32:43 PM



#13

Ethanol

Concen: 1.65 ppbv

RT: 4.35 min Scan# 207

Delta R.T. 0.04 min

Lab File: VL026225.D

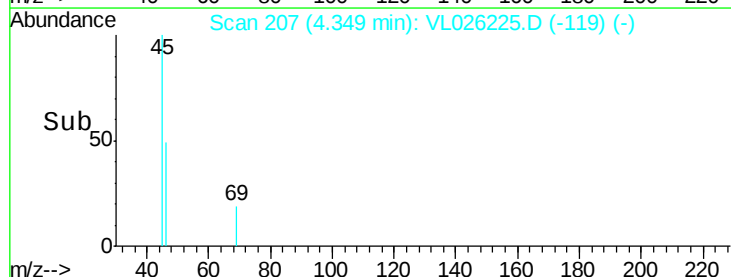
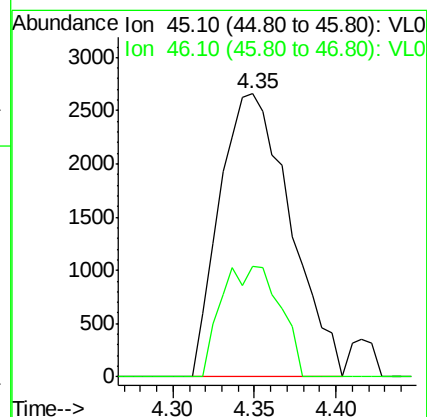
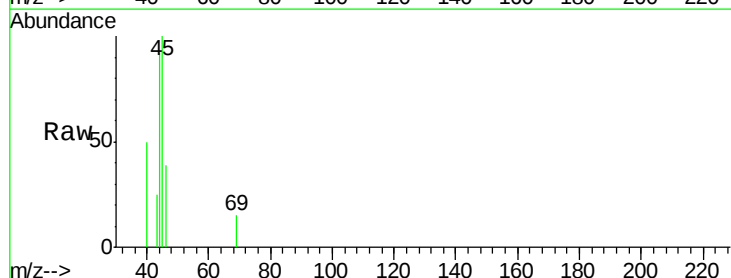
Acq: 21 Oct 2015 3:36

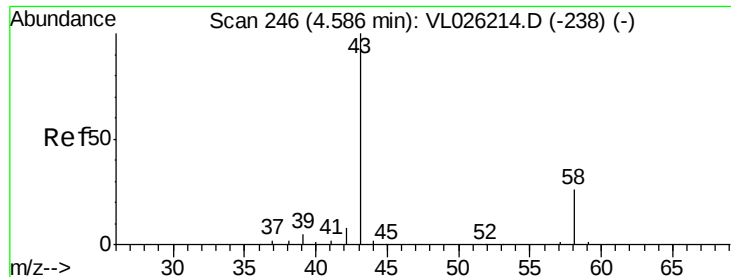
Tgt Ion: 45 Resp: 7992

Ion Ratio Lower Upper

45 100

46 32.6 15.8 63.0





#15

Acetone

Concen: 3.72 ppbv

RT: 4.59 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL026225.D

Acq: 21 Oct 2015 3:36

Instrument :

MSVOA_L

ClientSampleId :

ERD45INFLUENT-101415DL

Tot Ion: 43 Resp: 299240

Ion Ratio Lower Upper

43 100

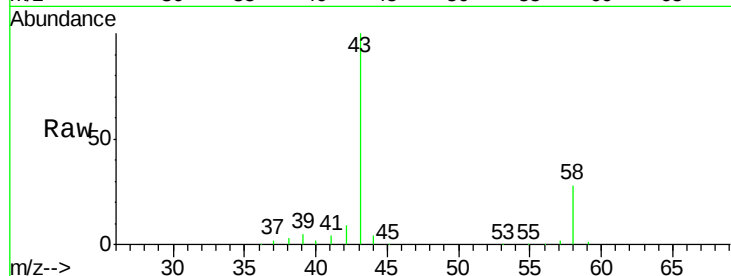
58 30.2 21.8 32.6

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:32:43 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

150000

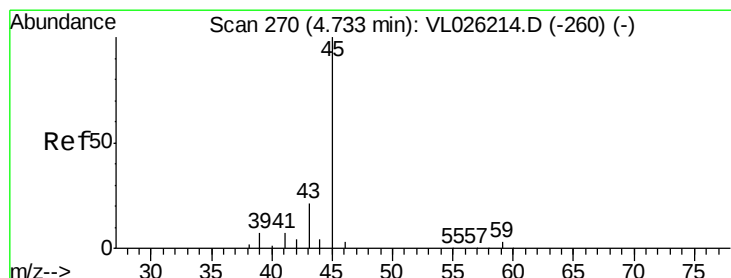
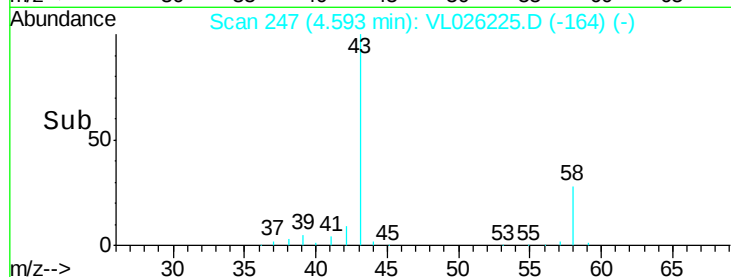
100000

50000

0

4.50 4.55 4.60 4.65 4.70

Time-->



#19

Isopropyl Alcohol

Concen: 0.48 ppbv

RT: 4.79 min Scan# 279

Delta R.T. 0.05 min

Lab File: VL026225.D

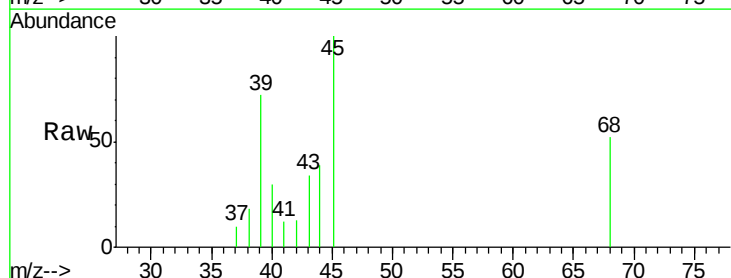
Acq: 21 Oct 2015 3:36

Tgt Ion: 45 Resp: 15008

Ion Ratio Lower Upper

45 100

58 0.0 40.3 60.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

6000

5000

4000

3000

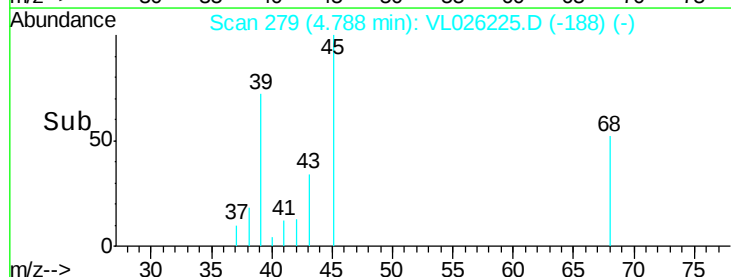
2000

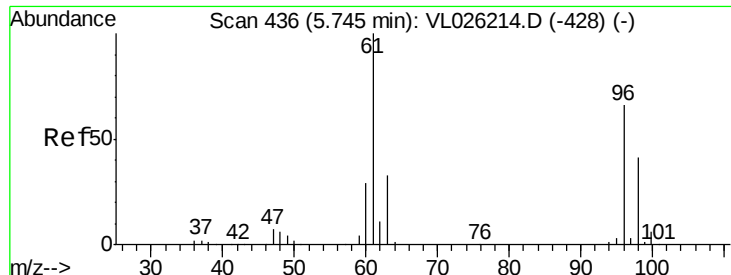
1000

0

4.75 4.80 4.85

Time-->





#22

trans-1,2-Dichloroethene

Concen: 0.28 ppbv

RT: 5.74 min Scan# 436

Delta R.T. 0.00 min

Lab File: VL026225.D

Acq: 21 Oct 2015 3:36

Instrument :

MSVOA_L

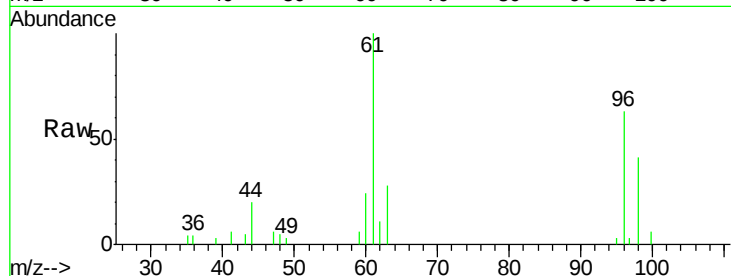
ClientSampleId :

ERD45INFLUENT-101415DL

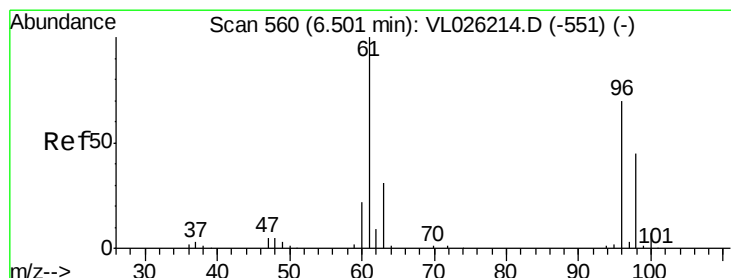
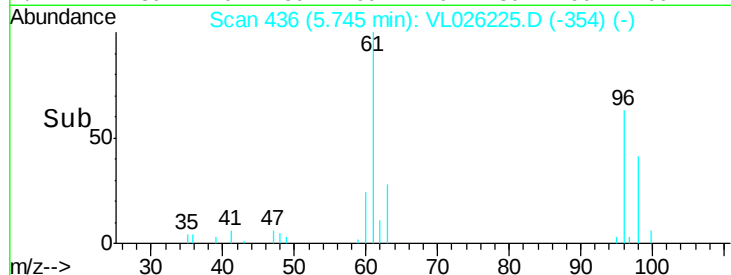
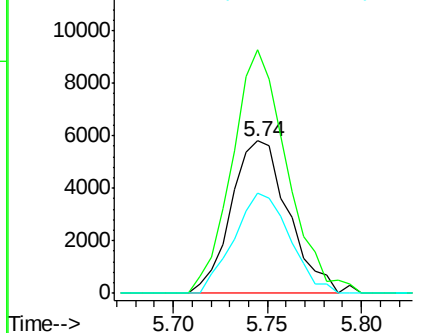
Tot Ion:	96	Resp:	12181
Ion	Ratio	Lower	Upper
96	100		
61	159.8	121.5	182.3
98	65.7	49.7	74.5

Manual Integrations
APPROVED

MMDadoda
10/22/2015 4:32:43 PM



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: 9.20 ppbv

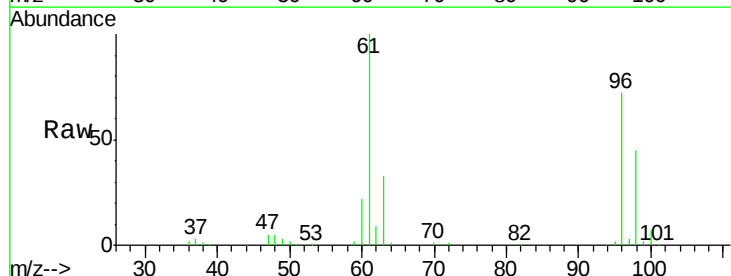
RT: 6.49 min Scan# 559

Delta R.T. -0.01 min

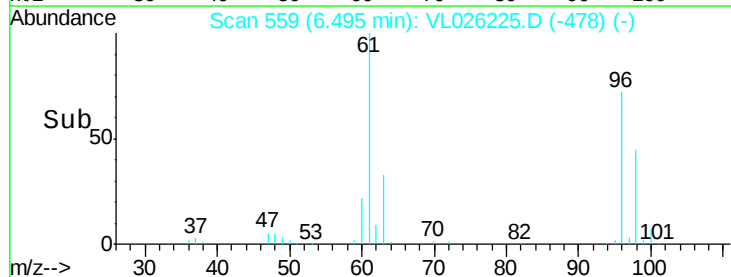
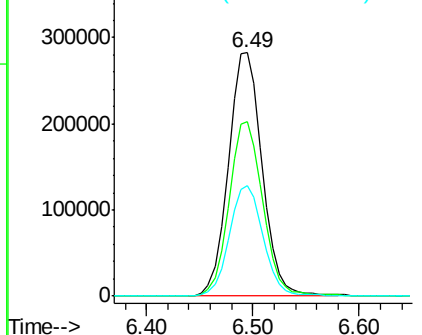
Lab File: VL026225.D

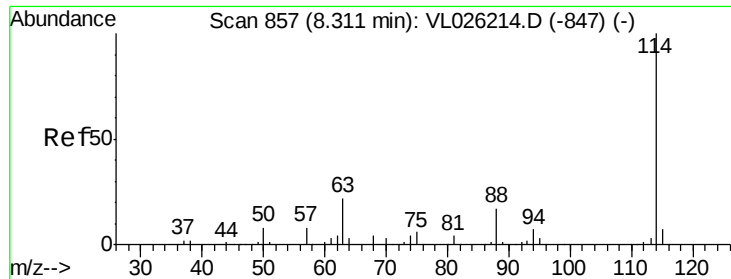
Acq: 21 Oct 2015 3:36

Tgt Ion:	61	Resp:	629064
Ion	Ratio	Lower	Upper
61	100		
96	71.6	56.0	84.0
98	45.4	36.1	54.1



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





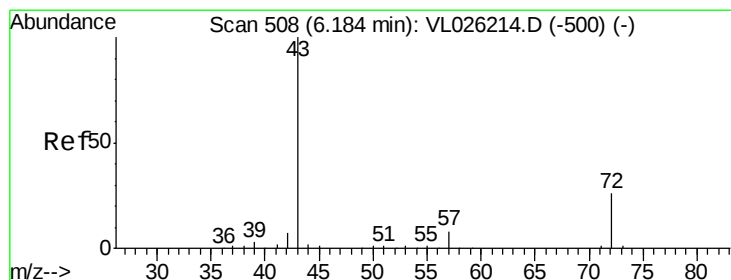
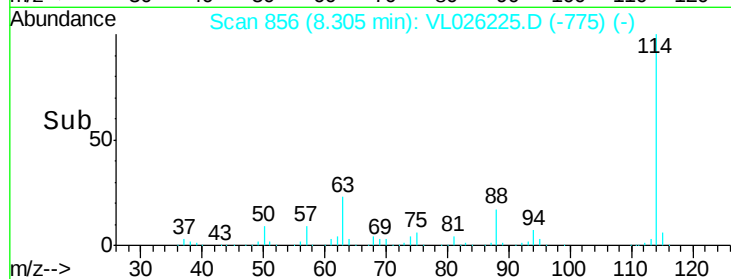
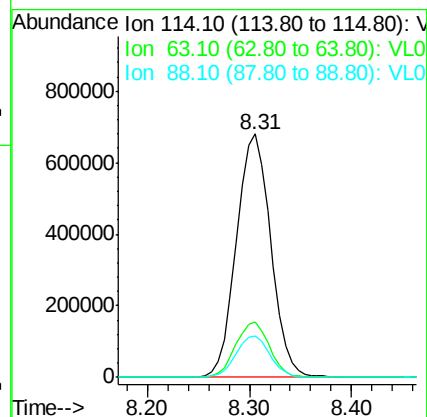
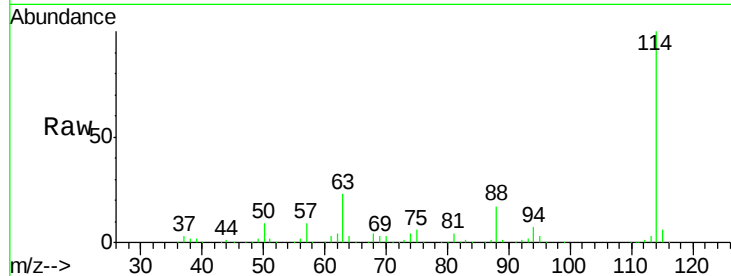
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.31 min Scan# 856
 Delta R.T. -0.01 min
 Lab File: VL026225.D
 Acq: 21 Oct 2015 3:36

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45INFLUENT-101415DL

Tot Ion:114 Resp: 1588956
 Ion Ratio Lower Upper
 114 100
 63 22.5 18.2 27.4
 88 16.9 13.5 20.3

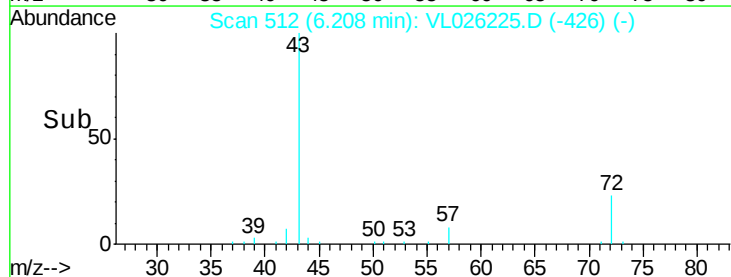
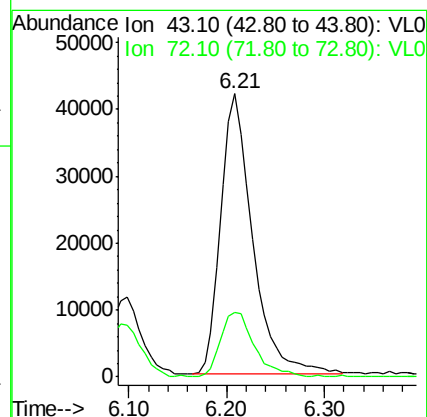
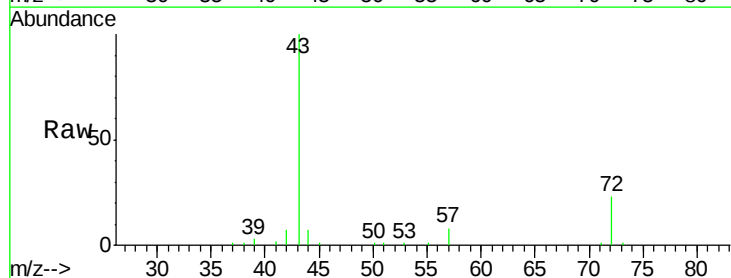
Manual Integrations
 APPROVED

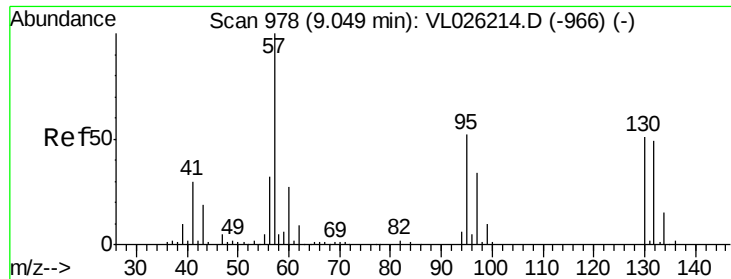
MMDadoda
 10/22/2015 4:32:43 PM



#34
 2-Butanone
 Concen: 1.07 ppbv
 RT: 6.21 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VL026225.D
 Acq: 21 Oct 2015 3:36

Tgt Ion: 43 Resp: 95833
 Ion Ratio Lower Upper
 43 100
 72 24.4 20.1 30.1





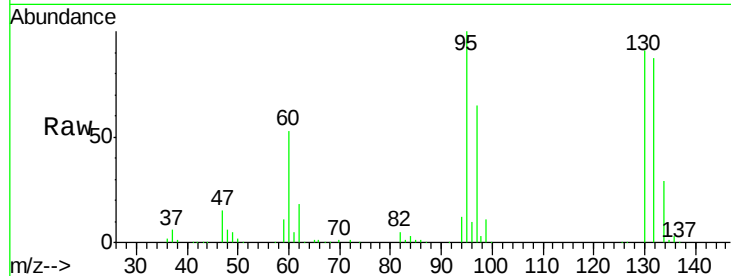
#38
 Trichloroethene
 Concen: 61.28 ppbv
 RT: 9.04 min Scan# 977
 Delta R.T. -0.01 min
 Lab File: VL026225.D
 Acq: 21 Oct 2015 3:36

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45INFLUENT-101415DL

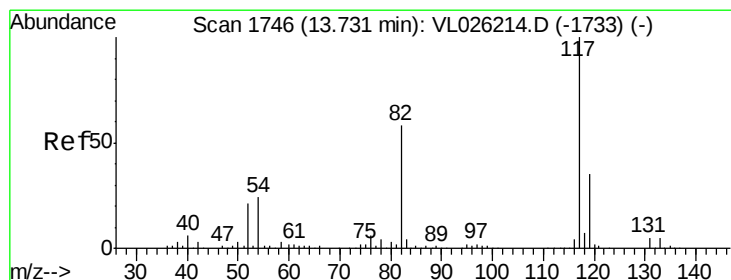
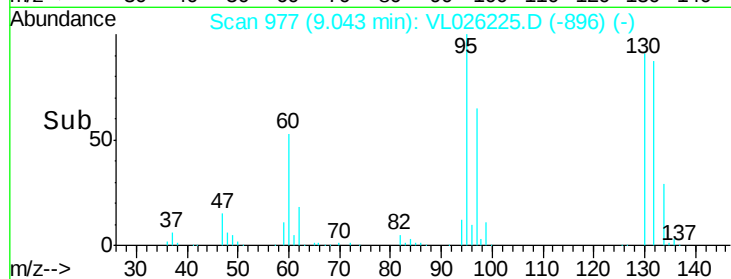
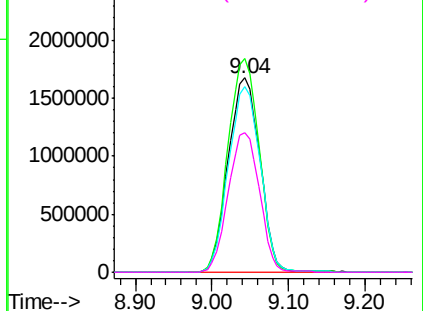
Tot Ion:130 Resp: 4811052
 Ion Ratio Lower Upper
 130 100
 95 110.0 81.0 121.4
 132 95.7 76.5 114.7
 97 71.9 52.5 78.7

Manual Integrations
 APPROVED

MMDadoda
 10/22/2015 4:32:43 PM

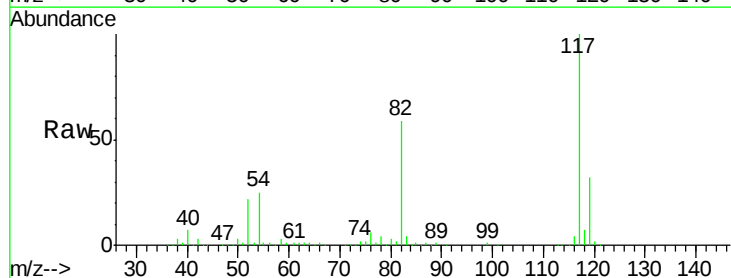


Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

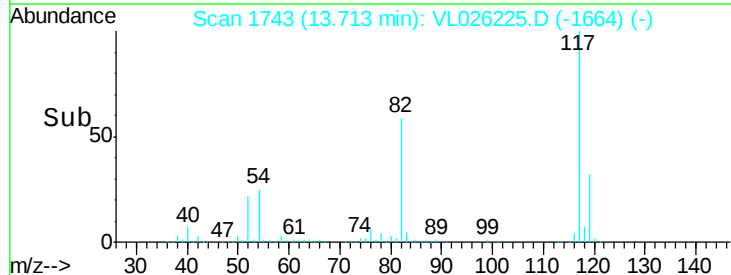
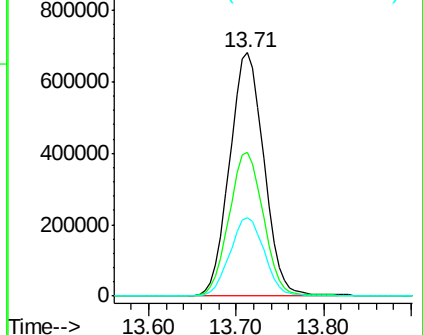


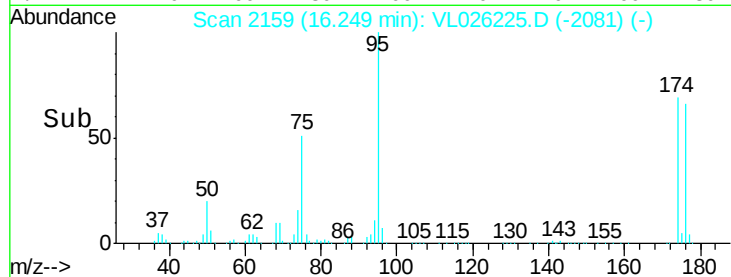
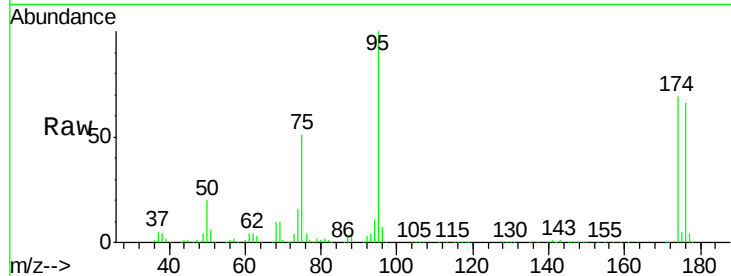
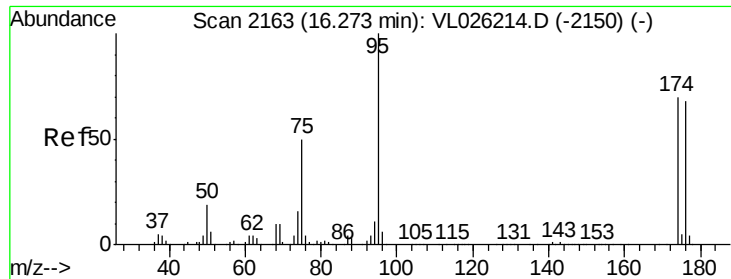
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 13.71 min Scan# 1743
 Delta R.T. -0.02 min
 Lab File: VL026225.D
 Acq: 21 Oct 2015 3:36

Tgt Ion:117 Resp: 1866194
 Ion Ratio Lower Upper
 117 100
 82 59.7 45.8 68.8
 119 32.8 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: 10.42 ppbv

RT: 16.25 min Scan# 2159

Delta R.T. -0.02 min

Lab File: VL026225.D

Acq: 21 Oct 2015 3:36

Tot Ion: 95 Resp: 1500146

Ion Ratio Lower Upper

95 100

174 69.7 55.8 83.8

175 5.3 4.3 6.5

Instrument :

MSVOA_L

ClientSampleId :

ERD45INFLUENT-101415DL

Manual Integrations

APPROVED

MMDadoda

10/22/2015 4:32:43 PM

