

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL102115\
 Data File : VL026242.D
 Acq On : 21 Oct 2015 17:45
 Operator : SY/MD
 Sample : G4086-02DL 1200X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ERD45INFLUENT-101415DL

Quant Time: Oct 22 13:49:58 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL102015AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 21 01:20:55 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	6.62	49	470838	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.30	114	1349637	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.71	117	1604715	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.25	95	1302477	10.52	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

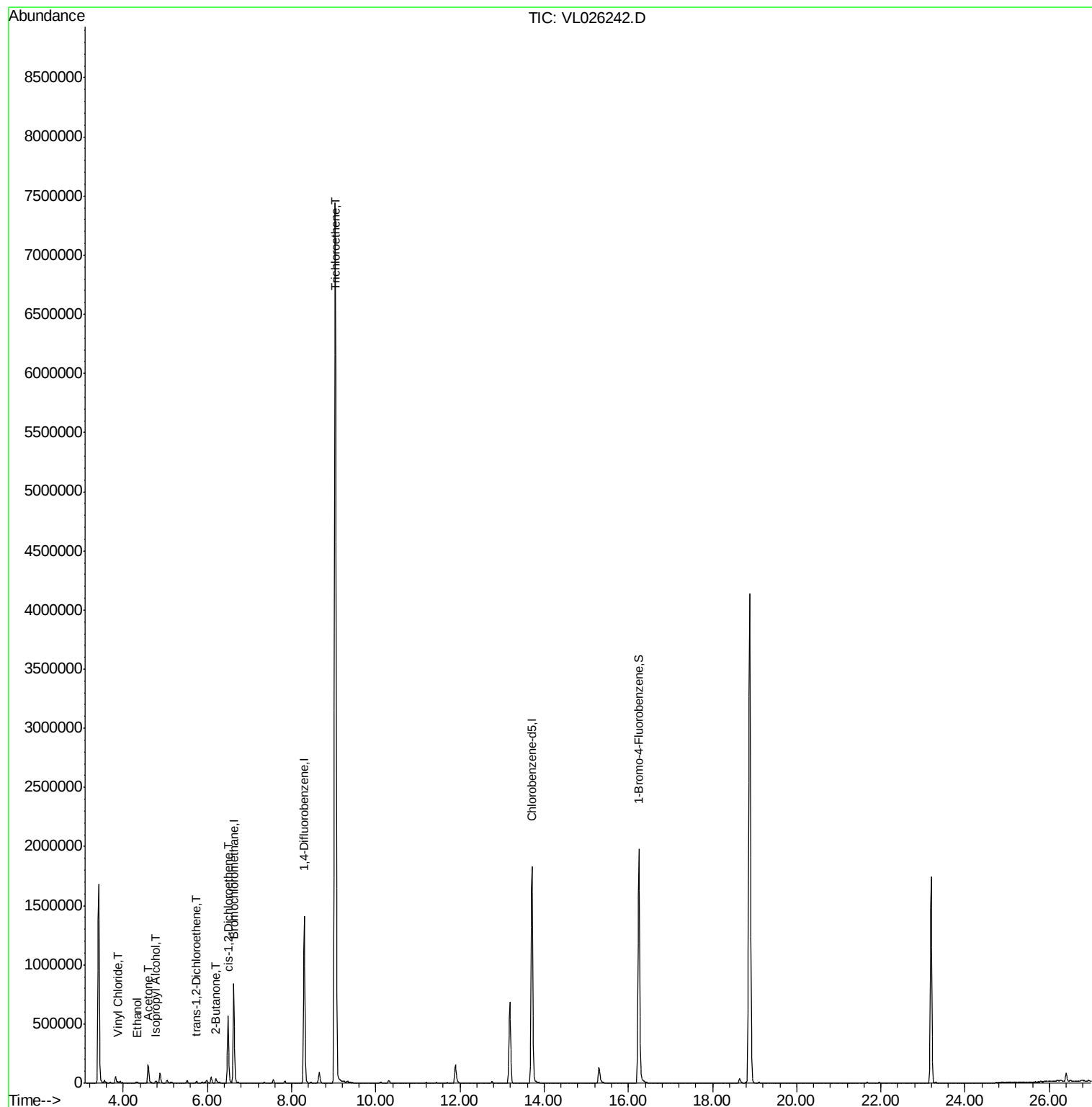
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.87	62	11191	0.33	ppbv	96
13) Ethanol	4.34	45	4440	1.06	ppbv	90
15) Acetone	4.59	43	205367	2.96	ppbv	96
19) Isopropyl Alcohol	4.78	45	10467	0.39	ppbv #	27
22) trans-1,2-Dichloroethene	5.74	96	7737	0.20	ppbv	92
31) cis-1,2-Dichloroethene	6.49	61	386031	6.55	ppbv	99
34) 2-Butanone	6.20	43	58206	0.76	ppbv	100
38) Trichloroethene	9.04	130	3361461	50.41	ppbv	94

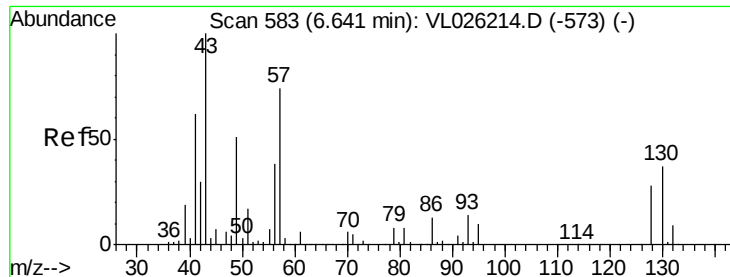
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 21 01:20:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.62 min Scan# 580

Delta R.T. -0.02 min

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Instrument :

MSVOA_L

ClientSampleId :

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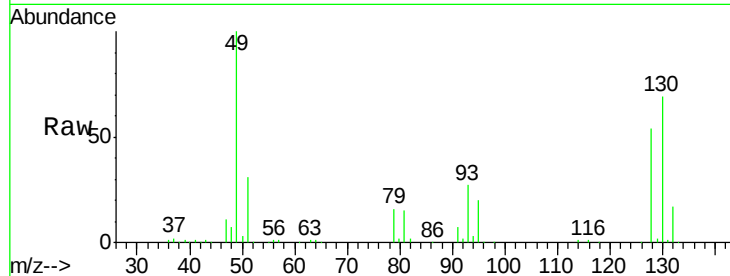
Tot Ion: 49 Resp: 470838

Ion Ratio Lower Upper

49 100

128 56.4 28.2 84.7

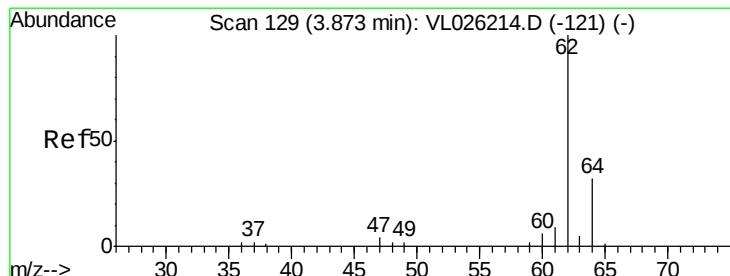
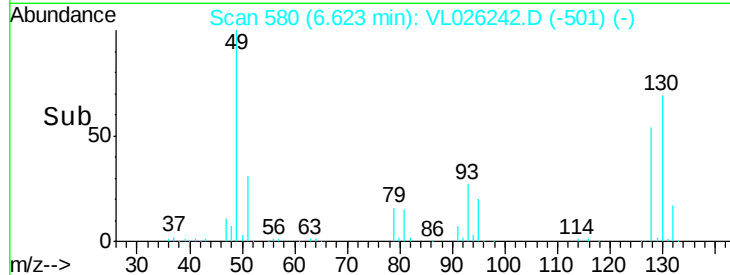
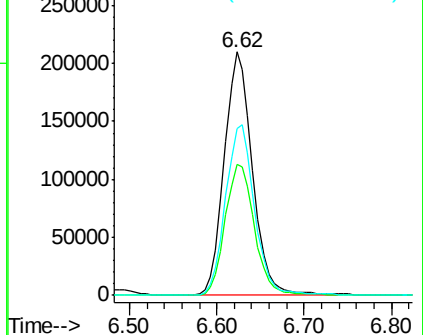
130 72.6 36.0 108.1



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



#5

Vinyl Chloride

Concen: 0.33 ppbv

RT: 3.87 min Scan# 129

Delta R.T. 0.00 min

Lab File: VL026242.D

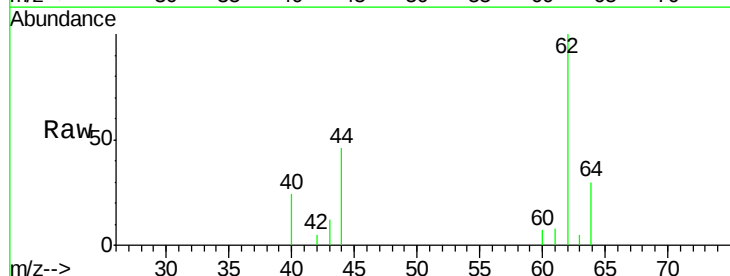
Acq: 21 Oct 2015 17:45

Tgt Ion: 62 Resp: 11191

Ion Ratio Lower Upper

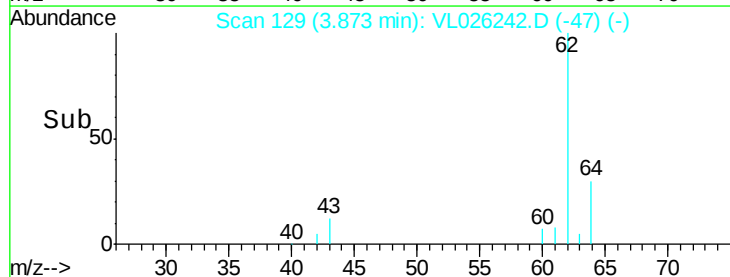
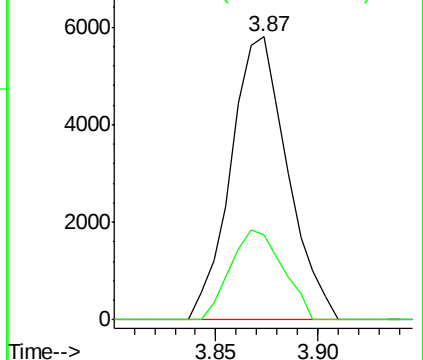
62 100

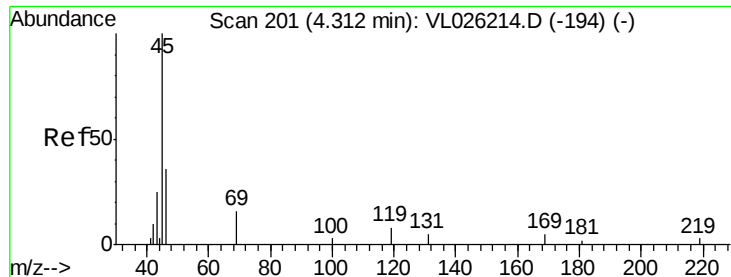
64 30.0 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#13

Ethanol

Concen: 1.06 ppbv

RT: 4.34 min Scan# 205

Delta R.T. 0.02 min

Lab File: VL026242.D

Acq: 21 Oct 2015 17:45

Instrument :

MSVOA_L

ClientSampleId :

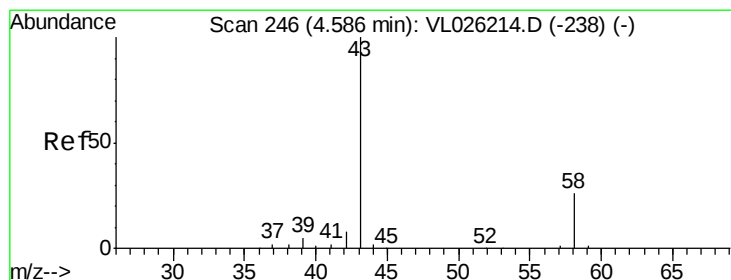
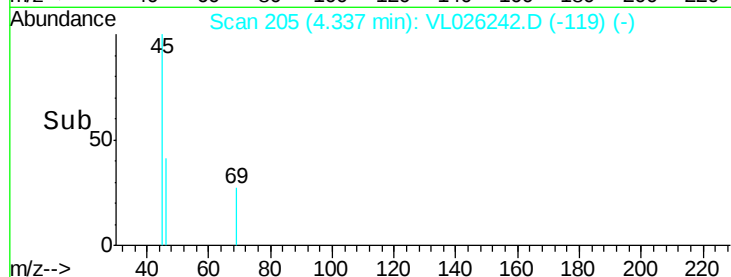
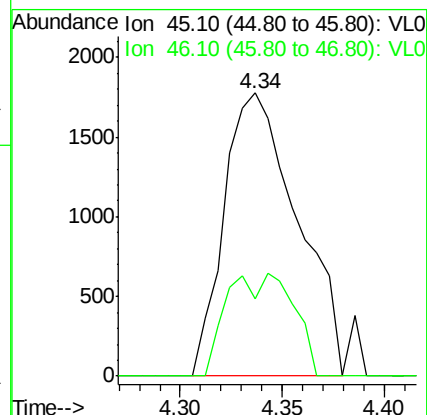
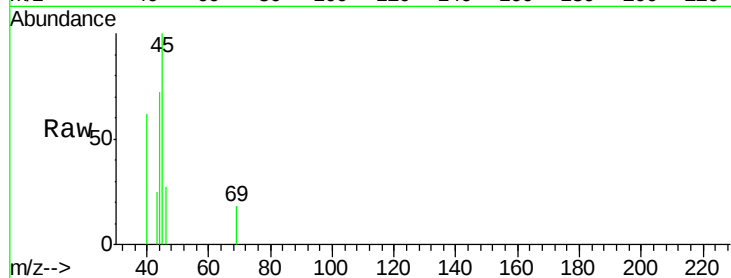
ERD45INFLUENT-101415DL

Tot Ion: 45 Resp: 4440

Ion Ratio Lower Upper

45 100

46 33.1 15.8 63.0



#15

Acetone

Concen: 2.96 ppbv

RT: 4.59 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL026242.D

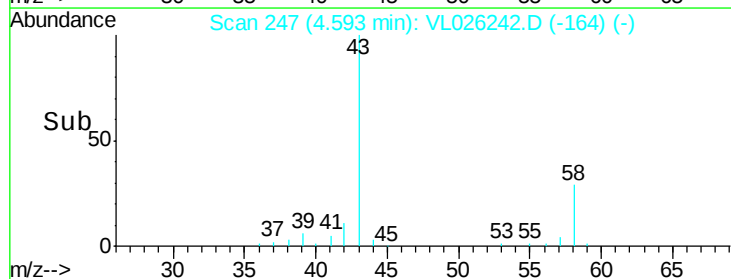
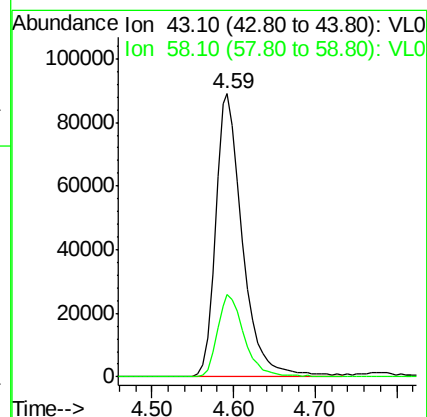
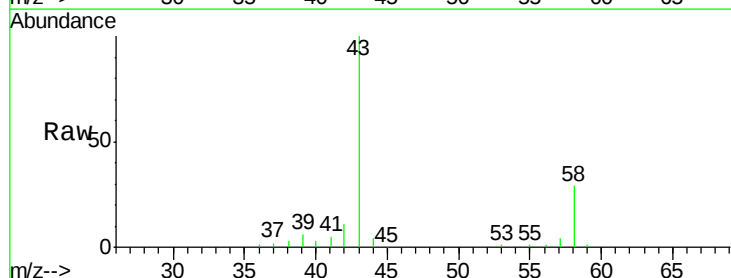
Acq: 21 Oct 2015 17:45

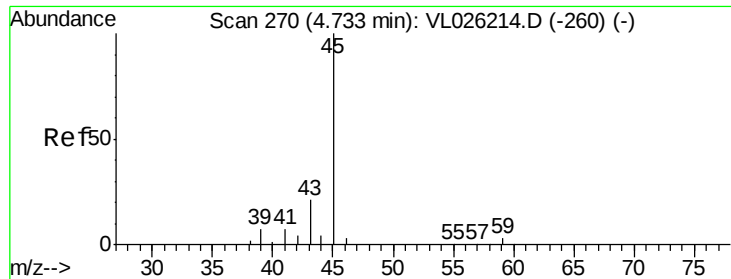
Tgt Ion: 43 Resp: 205367

Ion Ratio Lower Upper

43 100

58 29.2 21.8 32.6





#19

Isopropyl Alcohol

Concen: 0.39 ppbv

RT: 4.78 min Scan# 277

Delta R.T. 0.04 min

Lab File: VL026242.D

Acq: 21 Oct 2015 17:45

Instrument :

MSVOA_L

ClientSampleId :

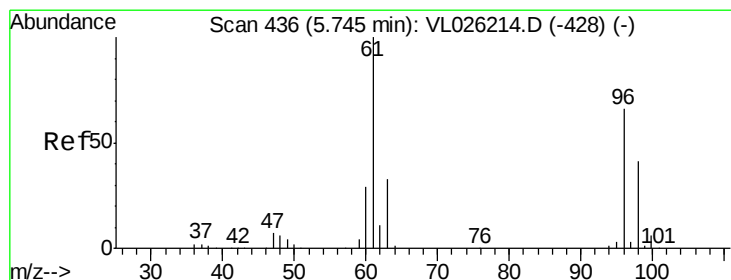
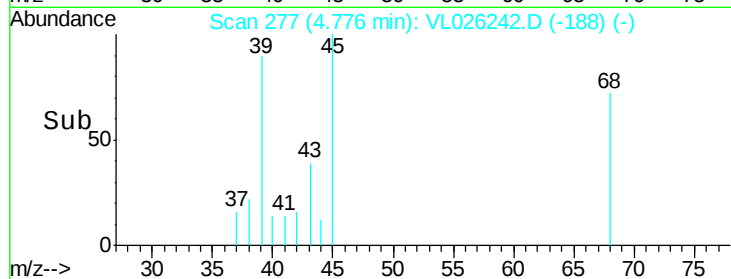
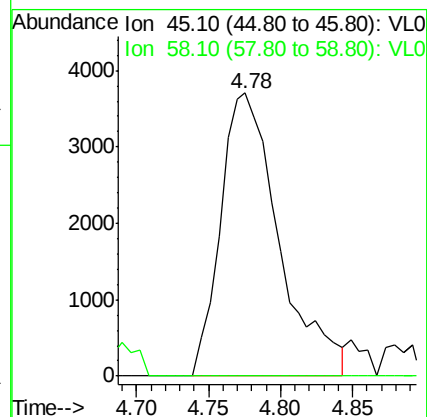
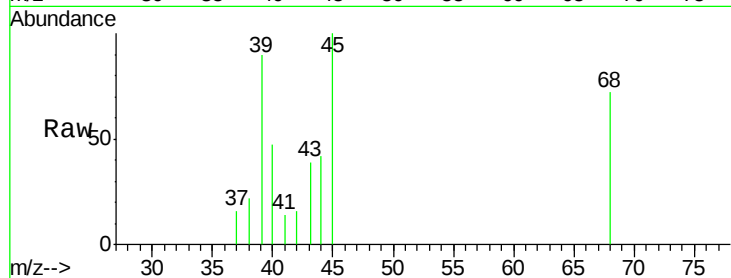
ERD45INFLUENT-101415DL

Tot Ion: 45 Resp: 10467

Ion Ratio Lower Upper

45 100

58 0.0 40.3 60.5#



#22

trans-1,2-Dichloroethene

Concen: 0.20 ppbv

RT: 5.74 min Scan# 436

Delta R.T. 0.00 min

Lab File: VL026242.D

Acq: 21 Oct 2015 17:45

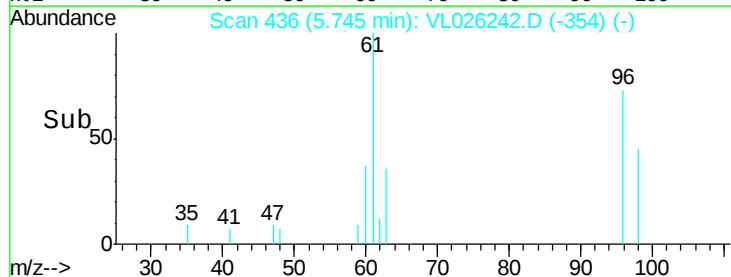
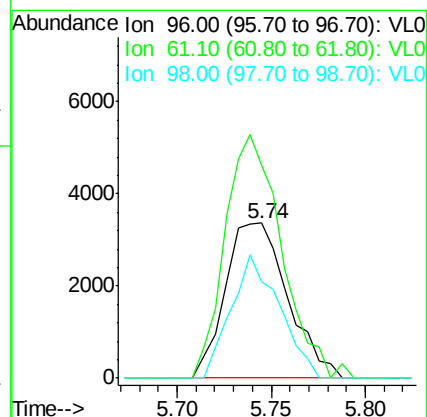
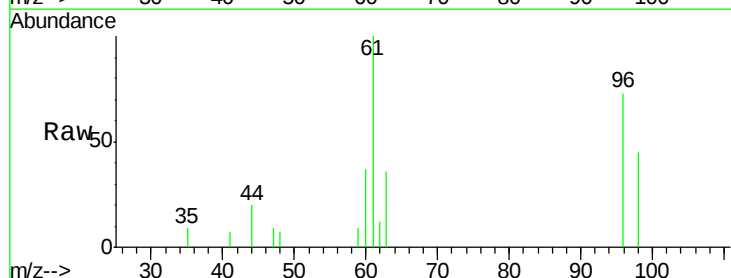
Tgt Ion: 96 Resp: 7737

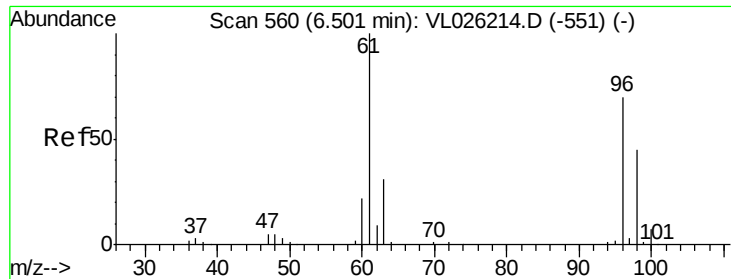
Ion Ratio Lower Upper

96 100

61 137.4 121.5 182.3

98 62.1 49.7 74.5





#31

cis-1,2-Dichloroethene

Concen: 6.55 ppbv

RT: 6.49 min Scan# 558

Delta R.T. -0.01 min

Lab File: VL026242.D

Acq: 21 Oct 2015 17:45

Instrument :

MSVOA_L

ClientSampleId :

ERD45INFLUENT-101415DL

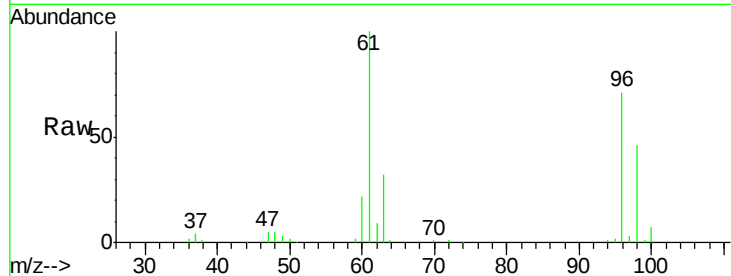
Tot Ion: 61 Resp: 386031

Ion Ratio Lower Upper

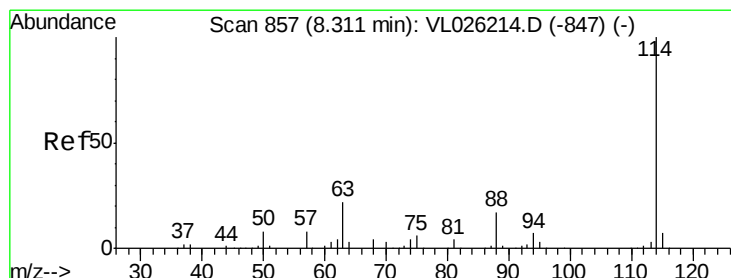
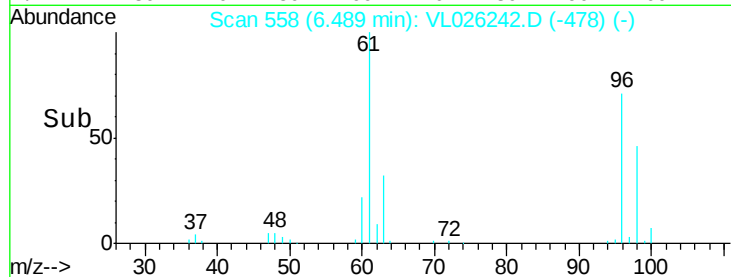
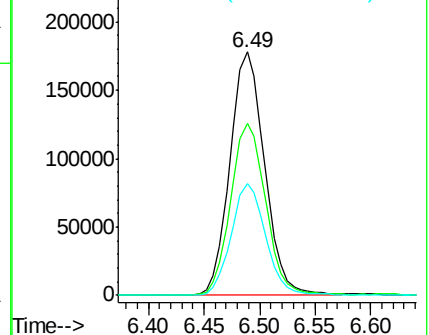
61 100

96 70.6 56.0 84.0

98 45.7 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: 8.30 min Scan# 855

Delta R.T. -0.01 min

Lab File: VL026242.D

Acq: 21 Oct 2015 17:45

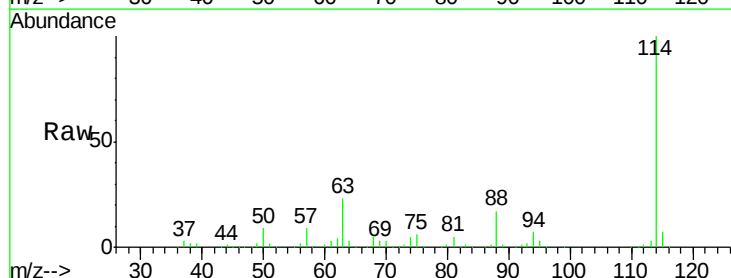
Tgt Ion: 114 Resp: 1349637

Ion Ratio Lower Upper

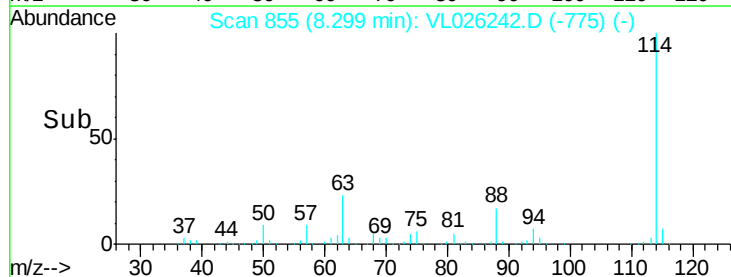
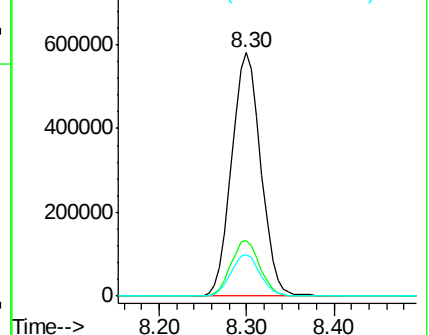
114 100

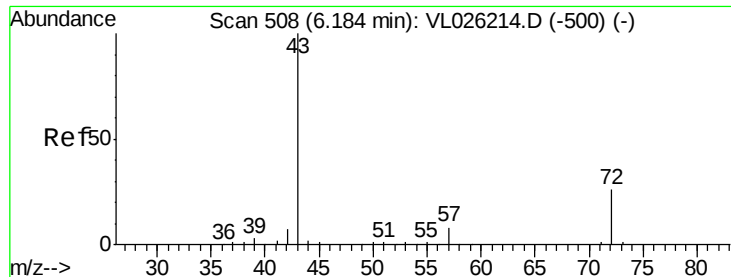
63 22.7 18.2 27.4

88 16.9 13.5 20.3



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

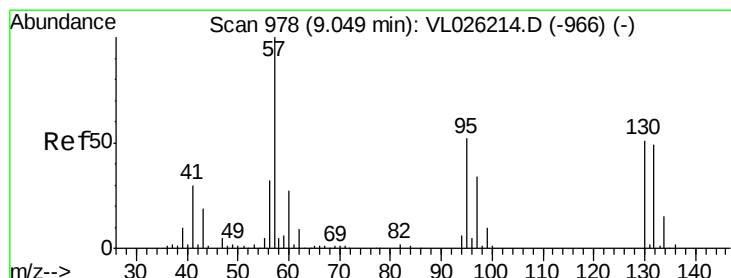
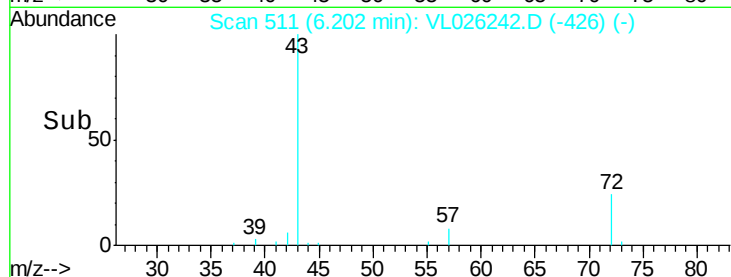
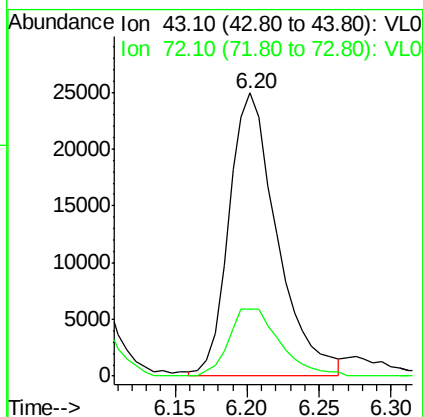
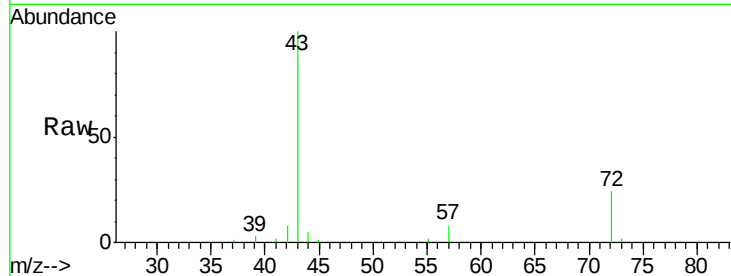




#34
2-Butanone
Concen: 0.76 ppbv
RT: 6.20 min Scan# 511
Delta R.T. 0.02 min
Lab File: VL026242.D
Acq: 21 Oct 2015 17:45

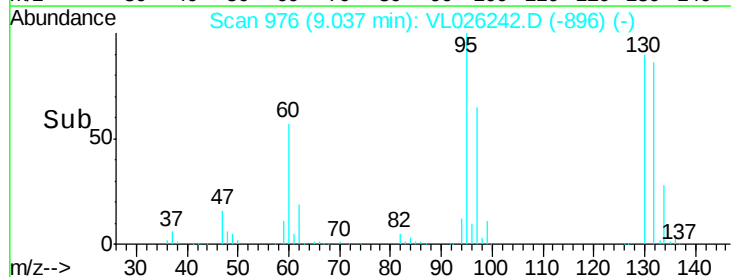
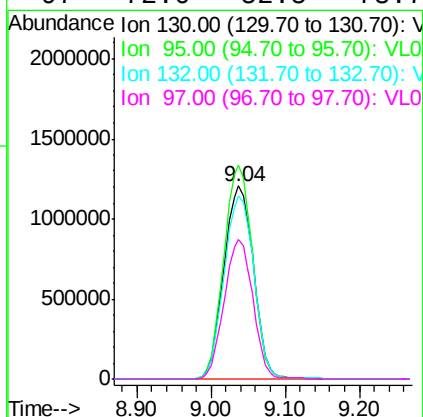
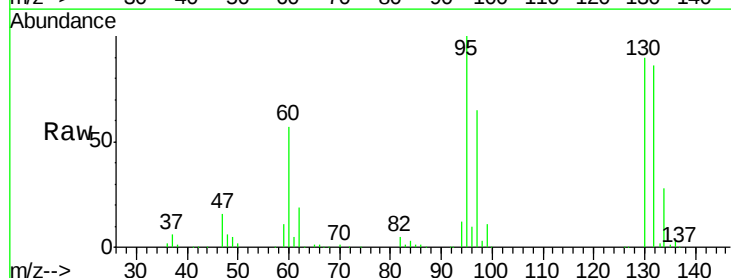
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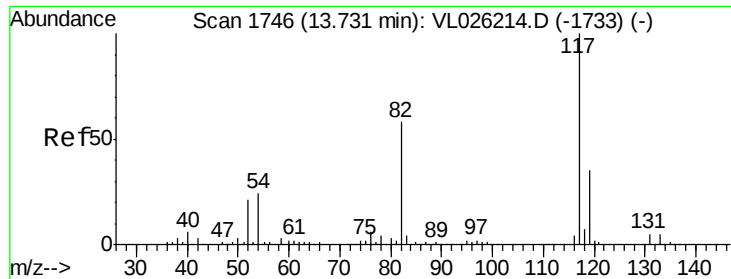
Tot Ion: 43 Resp: 58206
Ion Ratio Lower Upper
43 100
72 25.3 20.1 30.1



#38
Trichloroethene
Concen: 50.41 ppbv
RT: 9.04 min Scan# 976
Delta R.T. -0.01 min
Lab File: VL026242.D
Acq: 21 Oct 2015 17:45

Tgt Ion:130 Resp: 3361461
Ion Ratio Lower Upper
130 100
95 110.6 81.0 121.4
132 94.8 76.5 114.7
97 72.0 52.5 78.7

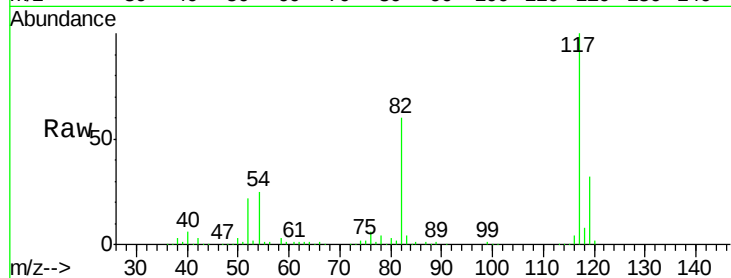




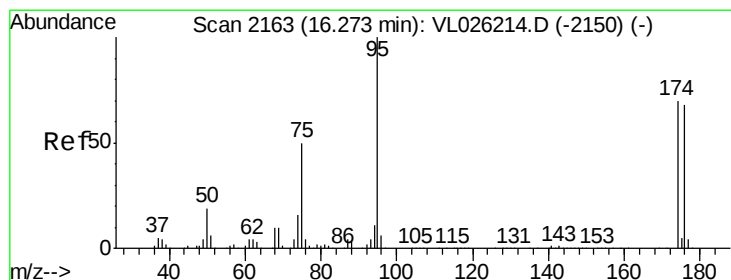
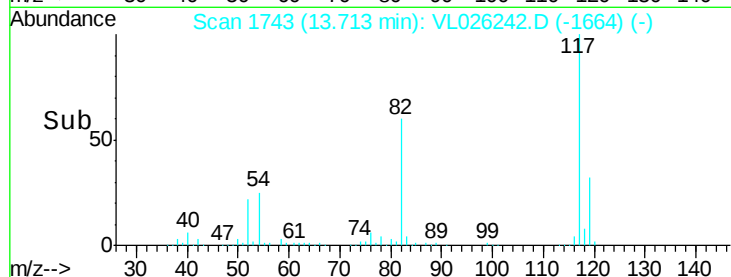
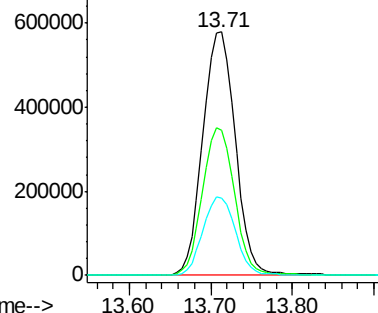
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.71 min Scan# 1743
Delta R.T. -0.02 min
Lab File: VL026242.D
Acq: 21 Oct 2015 17:45

Instrument :
MSVOA_L
ClientSampleId :
ERD45INFLUENT-101415DL

Tot Ion:117 Resp: 1604715
Ion Ratio Lower Upper
117 100
82 60.0 45.8 68.8
119 32.7 45.0 67.4#

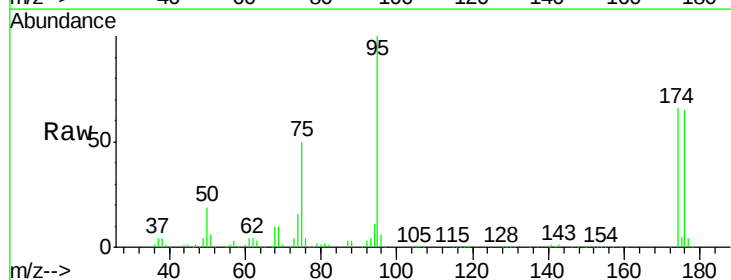


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.52 ppbv
RT: 16.25 min Scan# 2159
Delta R.T. -0.02 min
Lab File: VL026242.D
Acq: 21 Oct 2015 17:45

Tgt Ion: 95 Resp: 1302477
Ion Ratio Lower Upper
95 100
174 67.8 55.8 83.8
175 5.1 4.3 6.5



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

