

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
 Data File : VL025625.D
 Acq On : 8 Jul 2015 2:36
 Operator : SY/MD
 Sample : G2872-03 120X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-INFLUENT-070115

Quant Time: Jul 08 10:55:38 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jul 08 02:22:55 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	6.66	49	591849	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.34	114	1601658	10.00	ppbv	0.01
55) Chlorobenzene-d5	13.76	117	2106094	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.30	95	1772082	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

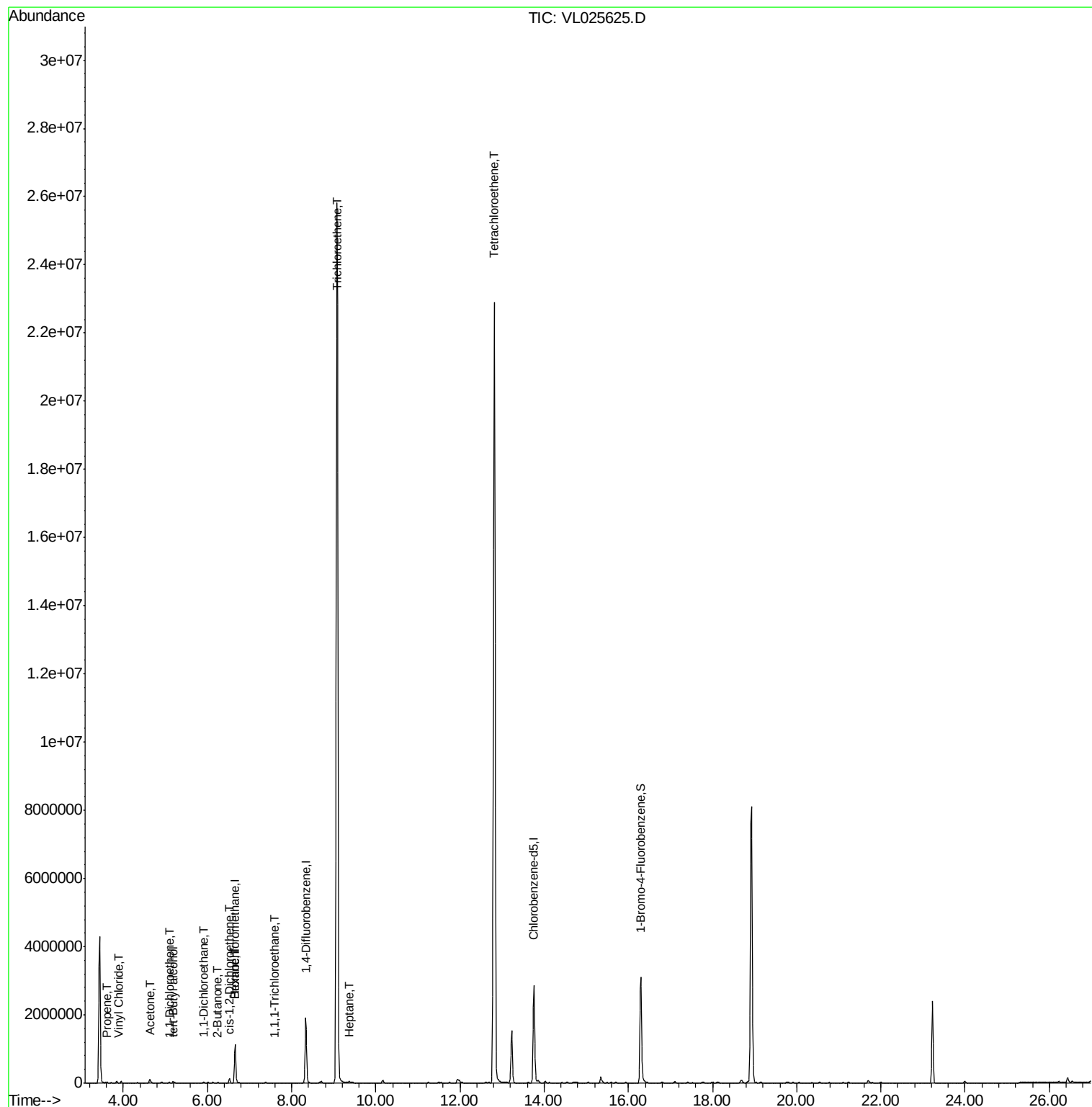
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.90	62	2718	0.07	ppbv #	43
9) Propene	3.61	41	5232	0.19	ppbv	94
10) Heptane	9.37	43	12583	0.12	ppbv	92
15) Acetone	4.63	43	163781	1.57	ppbv	92
17) tert-Butyl alcohol	5.19	59	50687	0.58	ppbv	98
18) 1,1-Dichloroethene	5.09	96	7864	0.18	ppbv	78
24) 1,1-Dichloroethane	5.92	63	27312	0.26	ppbv #	96
26) Hexane	6.67	57	10074	0.14	ppbv #	44
31) cis-1,2-Dichloroethene	6.52	61	89891	1.21	ppbv	99
32) 1,1,1-Trichloroethane	7.60	97	6461	0.04	ppbv	93
34) 2-Butanone	6.24	43	24051	0.26	ppbv	96
38) Trichloroethene	9.08	130	11039827	154.79	ppbv	92
52) Tetrachloroethene	12.82	164	7344119	95.46	ppbv	92

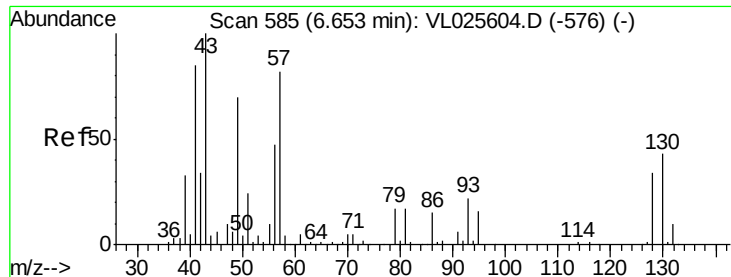
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL070715\
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DIN46-INFLUENT-070115

Quant Time: Jul 08 10:55:38 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL070715AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 02:22:55 2015
QLast Update : Wed Jul 08 02:22:55 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.66 min Scan# 586

Delta R.T. 0.01 min

Lab File: VL025625.D

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Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-070115

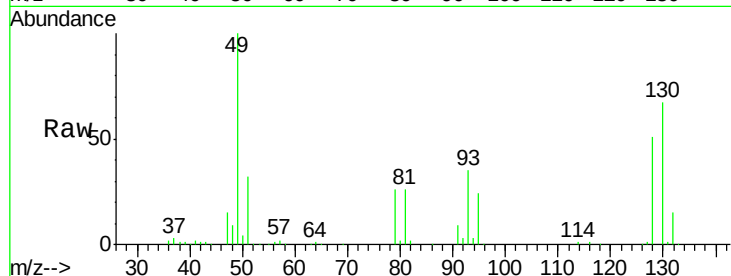
Tot Ion: 49 Resp: 591849

Ion Ratio Lower Upper

49 100

128 51.9 25.4 76.0

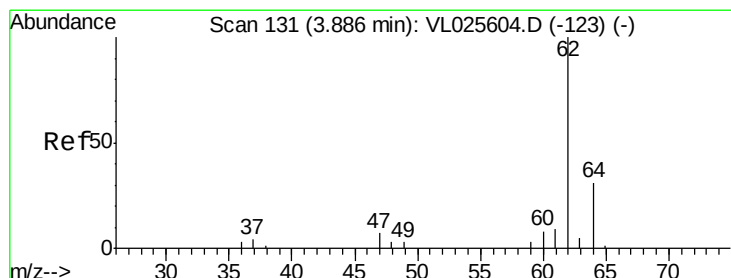
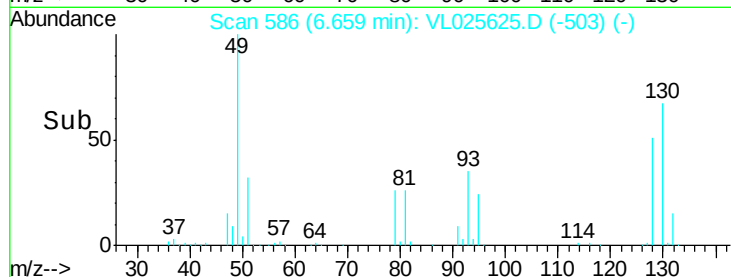
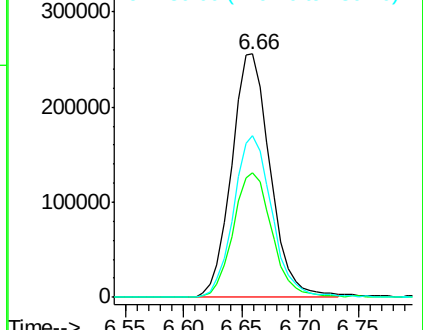
130 66.6 31.9 95.9



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: 0.07 ppbv

RT: 3.90 min Scan# 133

Delta R.T. 0.01 min

Lab File: VL025625.D

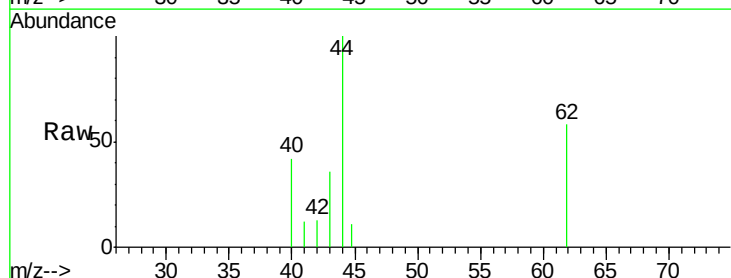
Acq: 8 Jul 2015 2:36

Tgt Ion: 62 Resp: 2718

Ion Ratio Lower Upper

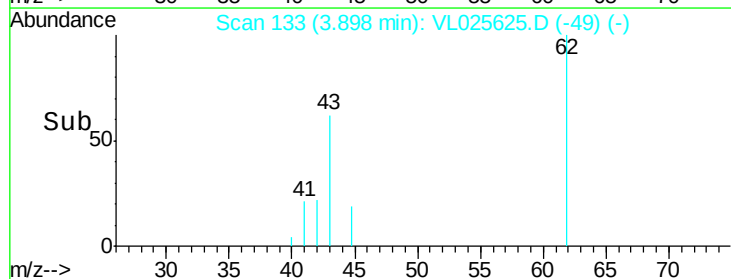
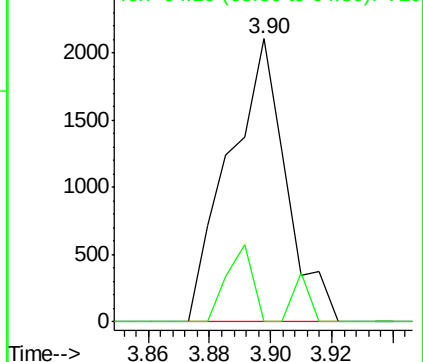
62 100

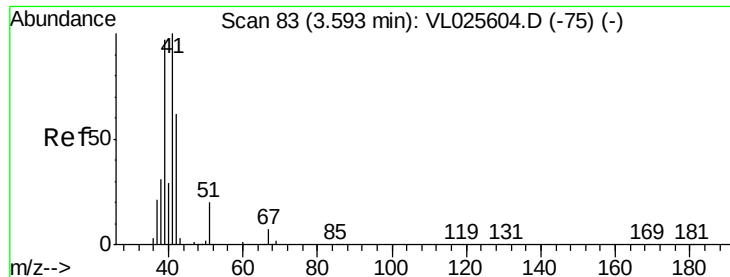
64 0.0 25.0 37.6#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 0.19 ppbv

RT: 3.61 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Instrument :

MSVOA_L

ClientSampleId :

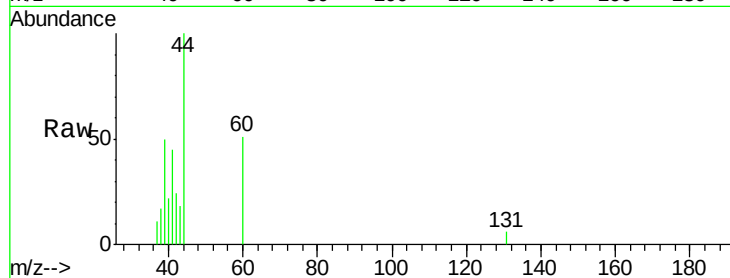
DIN46-INFLUENT-070115

Tot Ion: 41 Resp: 5232

Ion Ratio Lower Upper

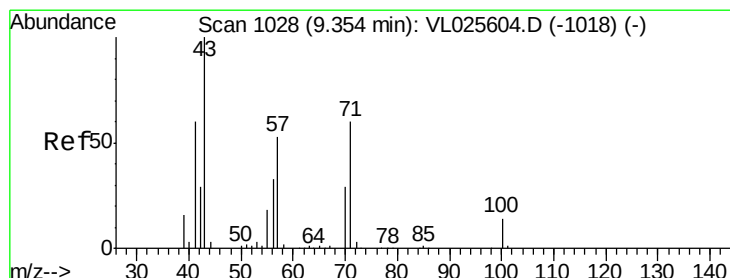
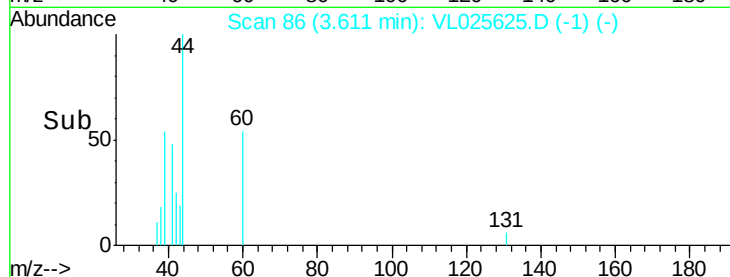
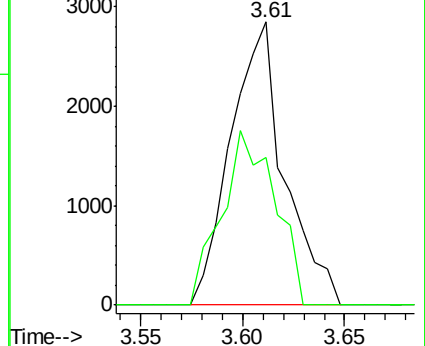
41 100

42 61.0 52.4 78.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.12 ppbv

RT: 9.37 min Scan# 1030

Delta R.T. 0.01 min

Lab File: VL025625.D

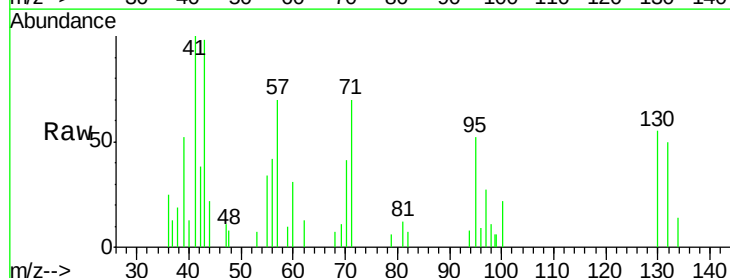
Acq: 8 Jul 2015 2:36

Tgt Ion: 43 Resp: 12583

Ion Ratio Lower Upper

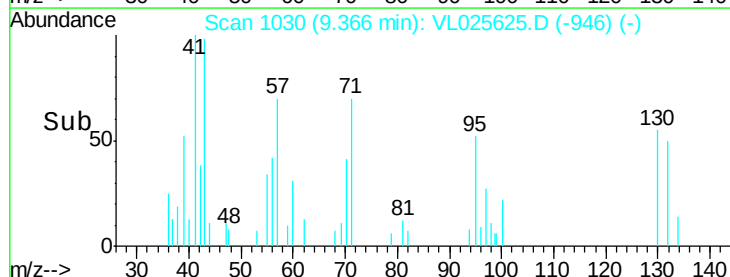
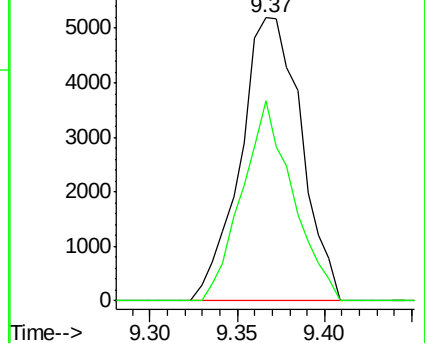
43 100

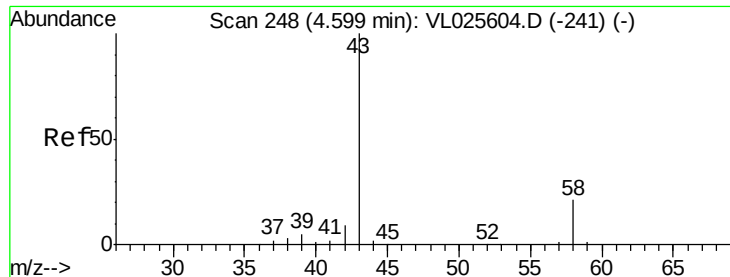
57 58.9 42.6 64.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#15

Acetone

Concen: 1.57 ppbv

RT: 4.63 min Scan# 253

Delta R.T. 0.03 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Instrument :

MSVOA_L

ClientSampleId :

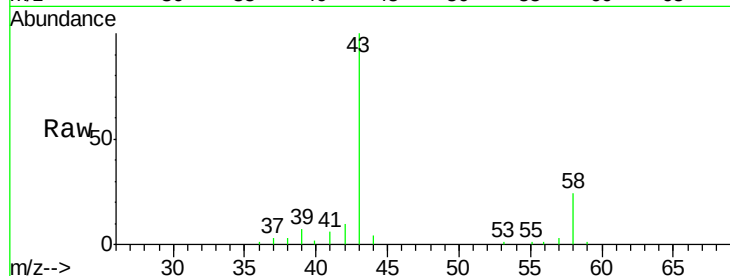
DIN46-INFLUENT-070115

Tot Ion: 43 Resp: 163781

Ion Ratio Lower Upper

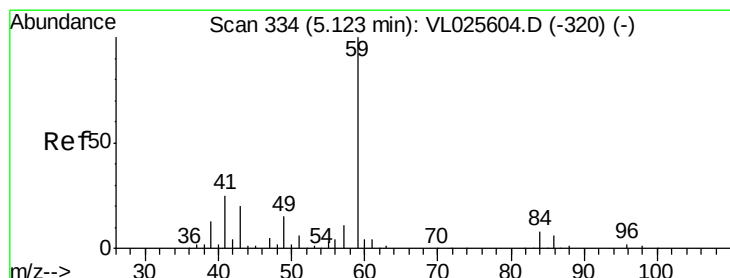
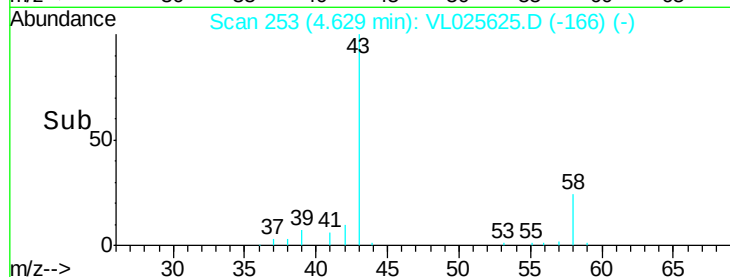
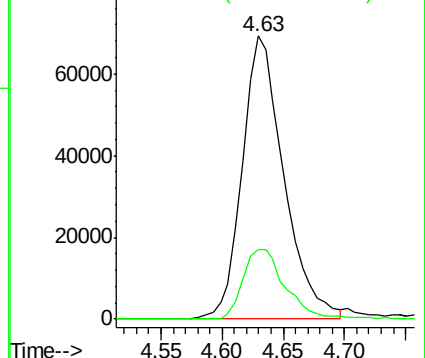
43 100

58 25.1 17.2 25.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 0.58 ppbv

RT: 5.19 min Scan# 345

Delta R.T. 0.07 min

Lab File: VL025625.D

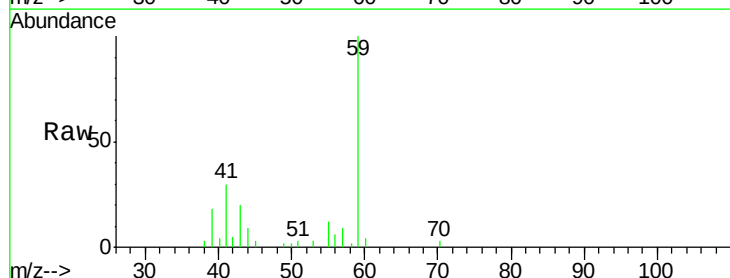
Acq: 8 Jul 2015 2:36

Tgt Ion: 59 Resp: 50687

Ion Ratio Lower Upper

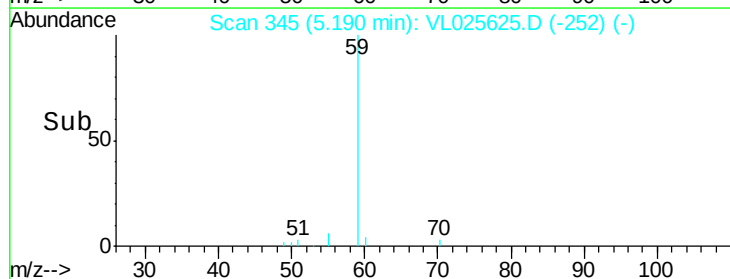
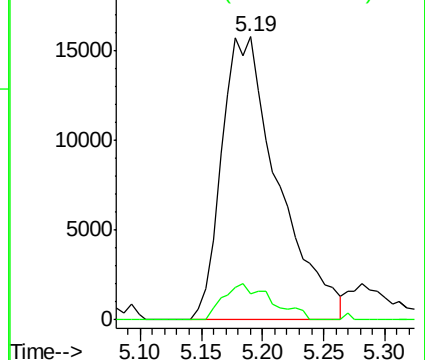
59 100

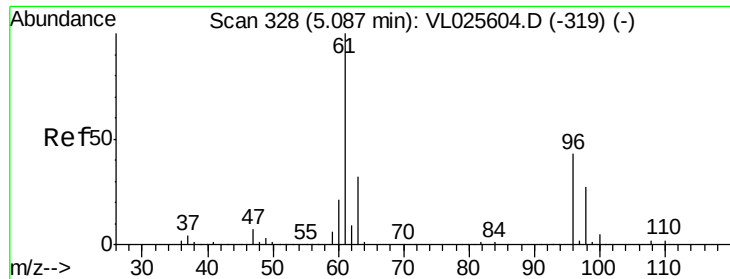
57 11.2 9.4 14.2



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

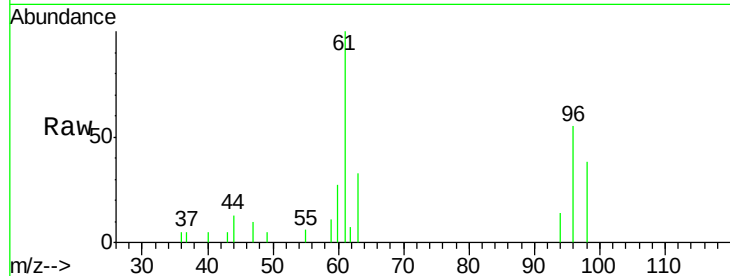




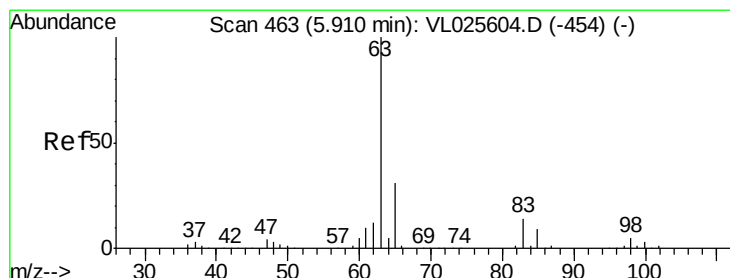
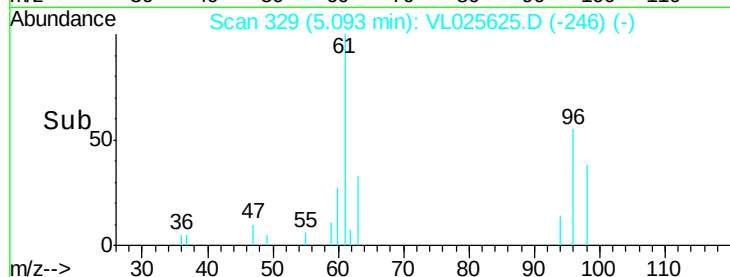
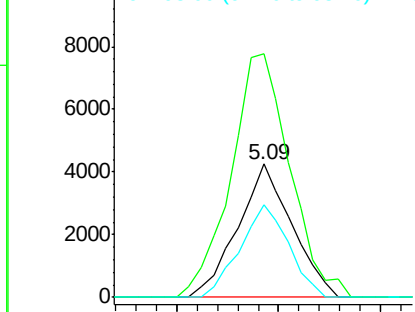
#18
 1,1-Dichloroethene
 Concen: 0.18 ppbv
 RT: 5.09 min Scan# 329
 Delta R.T. 0.01 min
 Lab File: VL025625.D
 Acq: 8 Jul 2015 2:36

Instrument :
 MSVOA_L
 ClientSampleId :
 DIN46-INFLUENT-070115

Tot Ion: 96 Resp: 7864
 Ion Ratio Lower Upper
 96 100
 61 187.8 184.1 276.1
 98 69.8 50.0 75.0

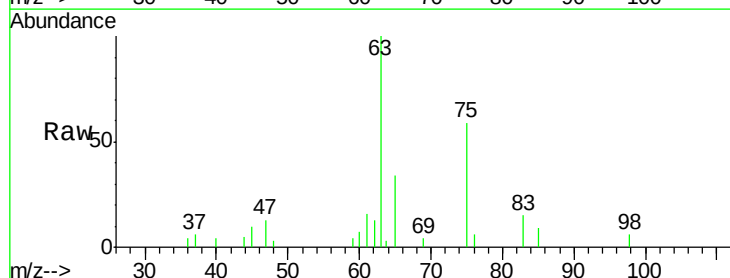


Abundance Ion 96.00 (95.70 to 96.70): VL0
 Ion 61.10 (60.80 to 61.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0

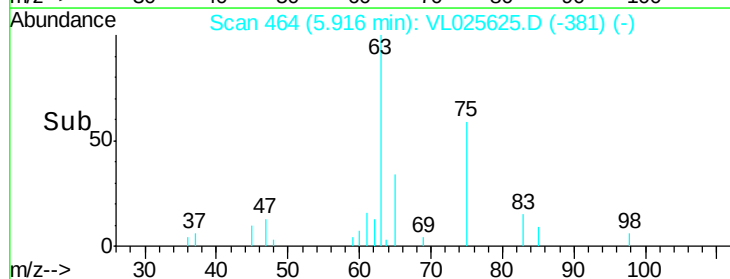
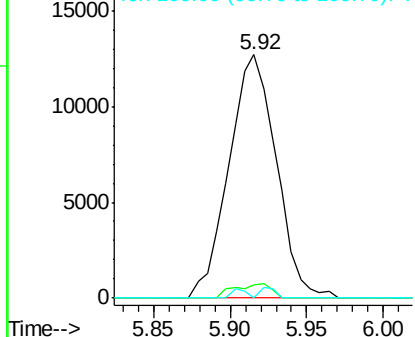


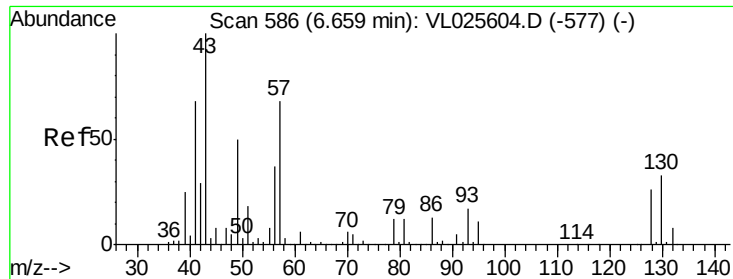
#24
 1,1-Dichloroethane
 Concen: 0.26 ppbv
 RT: 5.92 min Scan# 464
 Delta R.T. 0.01 min
 Lab File: VL025625.D
 Acq: 8 Jul 2015 2:36

Tgt Ion: 63 Resp: 27312
 Ion Ratio Lower Upper
 63 100
 98 5.4 2.6 8.0
 100 0.0 1.6 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 98.00 (97.70 to 98.70): VL0
 Ion 100.00 (99.70 to 100.70): VL0





#26

Hexane

Concen: 0.14 ppbv

RT: 6.67 min Scan# 587

Delta R.T. 0.01 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Instrument :

MSVOA_L

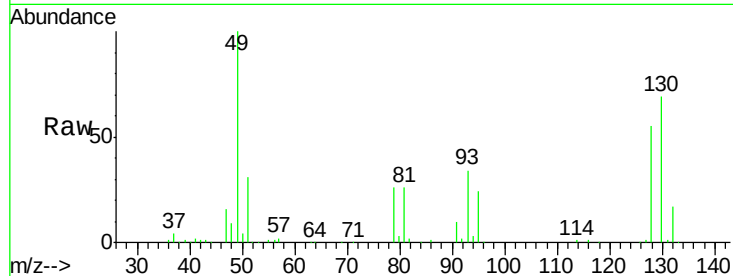
ClientSampleId :

DIN46-INFLUENT-070115

Tot Ion: 57 Resp: 10074

Ion Ratio Lower Upper

57	100		
41	116.5	81.4	122.2
43	76.7	171.4	257.2#
56	62.8	44.5	66.7

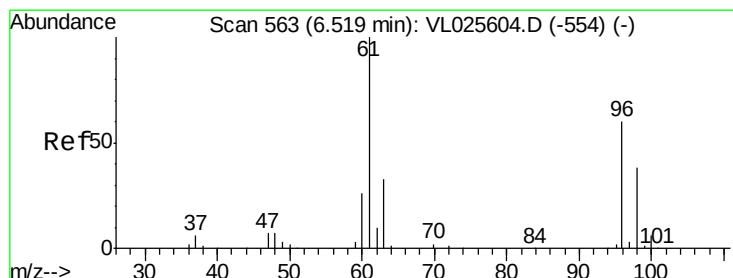
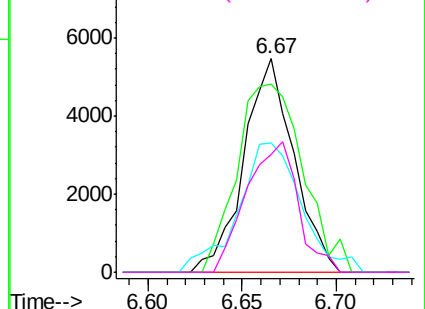
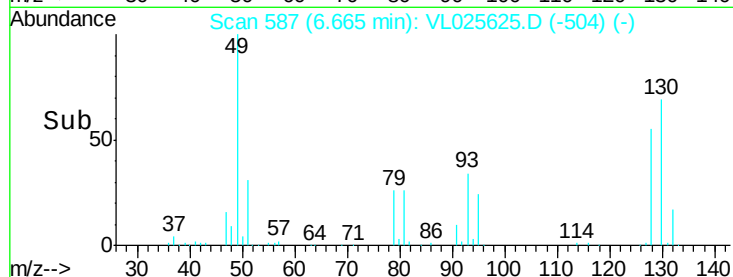


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 1.21 ppbv

RT: 6.52 min Scan# 563

Delta R.T. -0.00 min

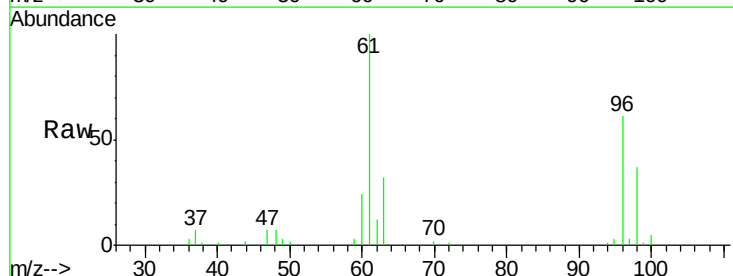
Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Tgt Ion: 61 Resp: 89891

Ion Ratio Lower Upper

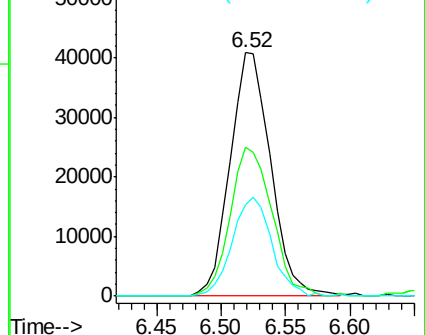
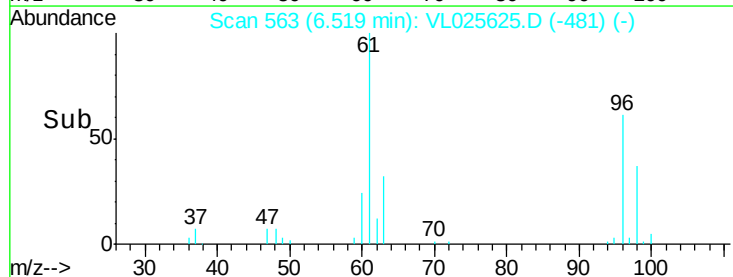
61	100		
96	60.9	48.1	72.1
98	37.3	30.7	46.1

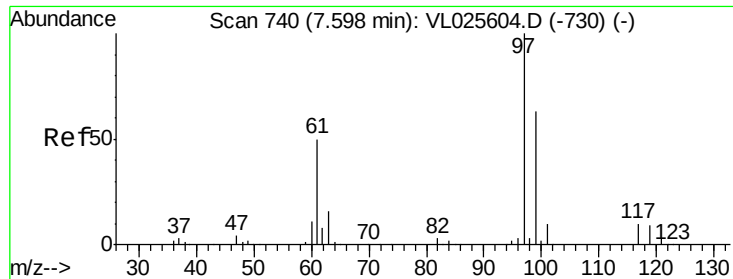


Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0





#32

1,1,1-Trichloroethane

Concen: 0.04 ppbv

RT: 7.60 min Scan# 741

Delta R.T. 0.01 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-070115

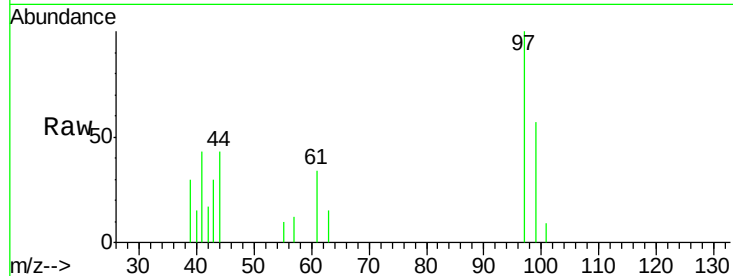
Tot Ion: 97 Resp: 6461

Ion Ratio Lower Upper

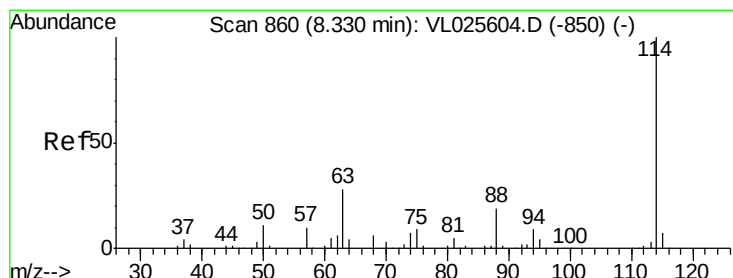
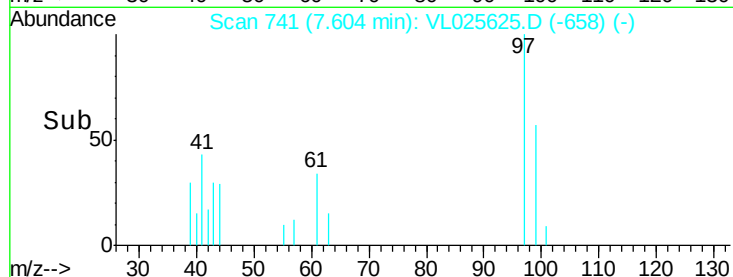
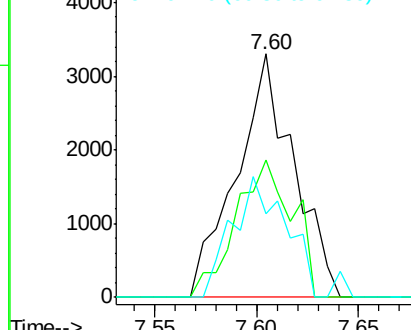
97 100

99 55.5 51.2 76.8

61 48.3 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: 8.34 min Scan# 862

Delta R.T. 0.01 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

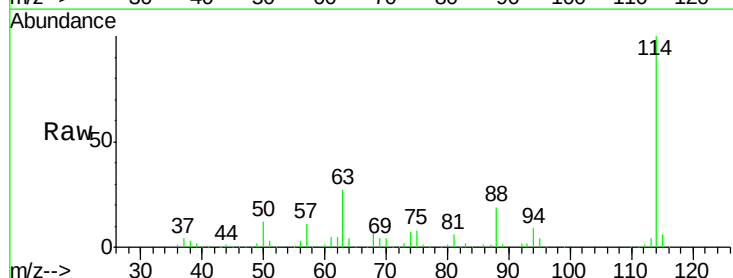
Tgt Ion: 114 Resp: 1601658

Ion Ratio Lower Upper

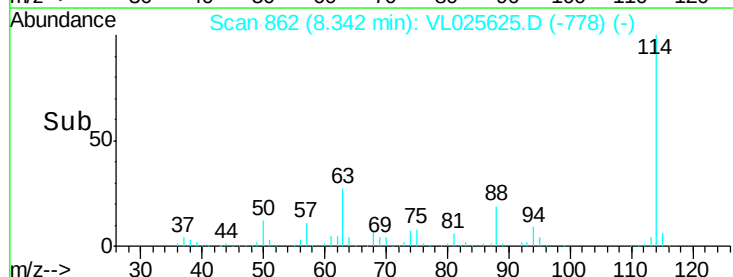
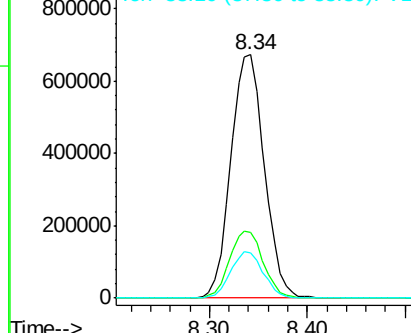
114 100

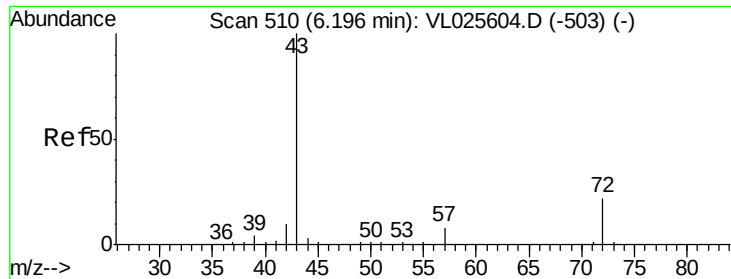
63 27.7 22.4 33.6

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: 0.26 ppbv

RT: 6.24 min Scan# 518

Delta R.T. 0.05 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Instrument :

MSVOA_L

ClientSampleId :

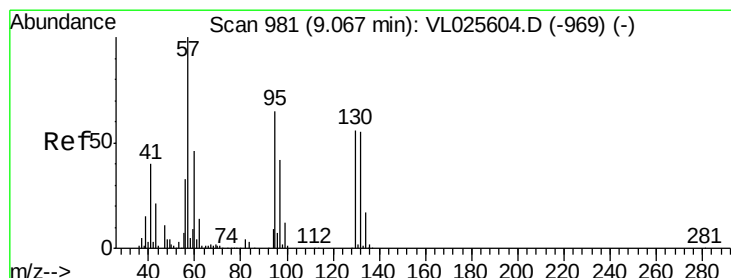
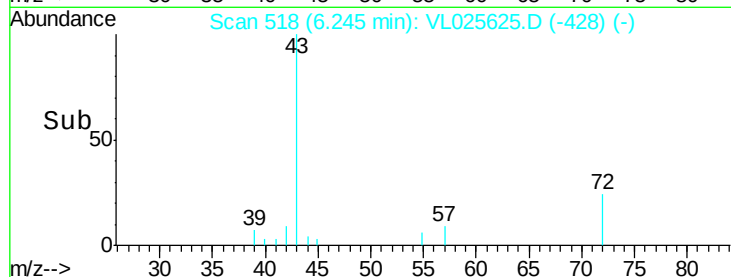
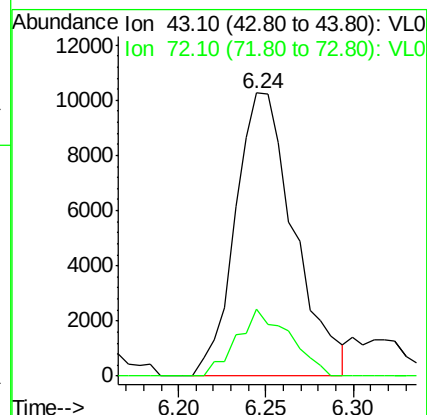
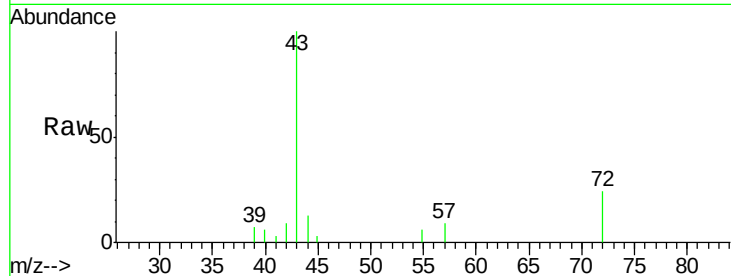
DIN46-INFLUENT-070115

Tot Ion: 43 Resp: 24051

Ion Ratio Lower Upper

43 100

72 21.2 18.6 28.0



#38

Trichloroethene

Concen: 154.79 ppbv

RT: 9.08 min Scan# 983

Delta R.T. 0.01 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Tgt Ion:130 Resp:11039827

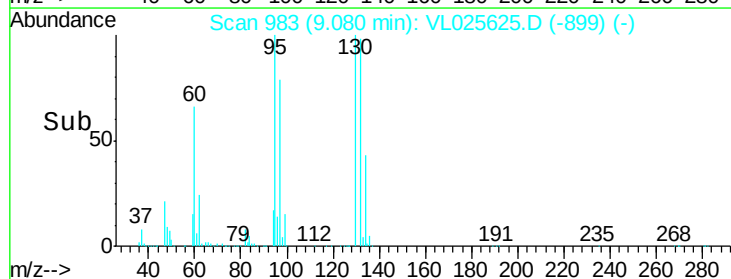
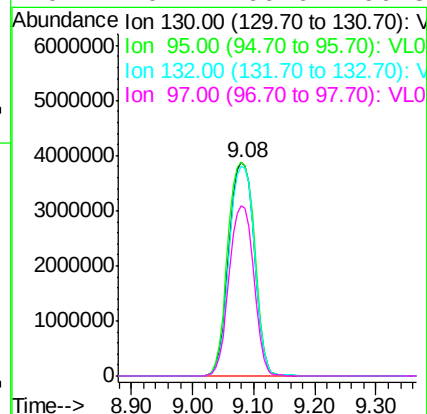
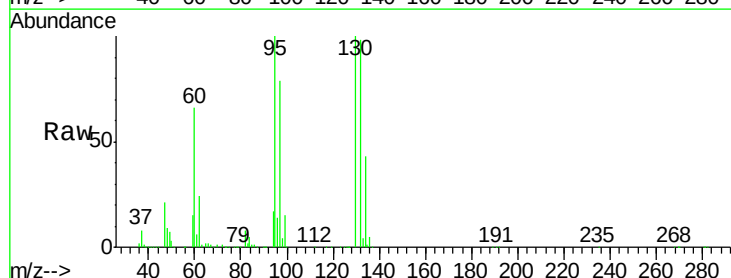
Ion Ratio Lower Upper

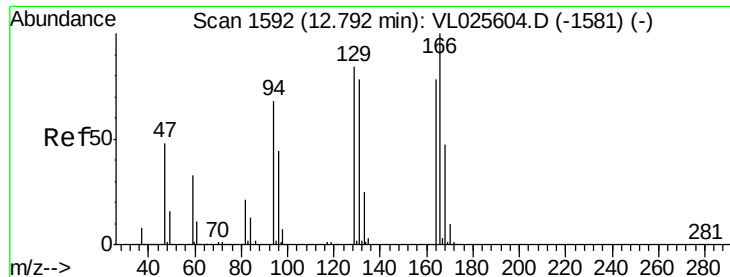
130 100

95 99.9 94.2 141.4

132 98.1 78.6 118.0

97 79.4 60.6 90.8





#52

Tetrachloroethene

Concen: 95.46 ppbv

RT: 12.82 min Scan# 1596

Delta R.T. 0.02 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Instrument :

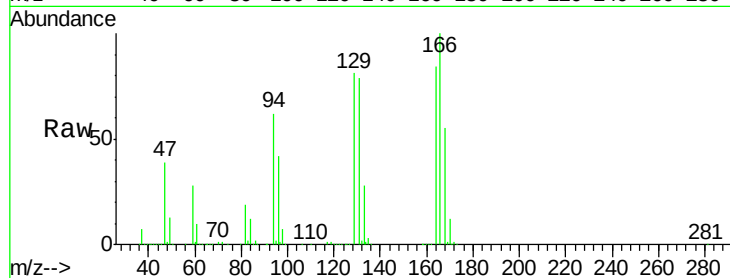
MSVOA_L

ClientSampleId :

DIN46-INFLUENT-070115

Tot Ion:164 Resp: 7344119

Ion	Ratio	Lower	Upper
164	100		
166	118.9	102.3	153.5
129	96.2	86.2	129.4
131	94.2	80.3	120.5

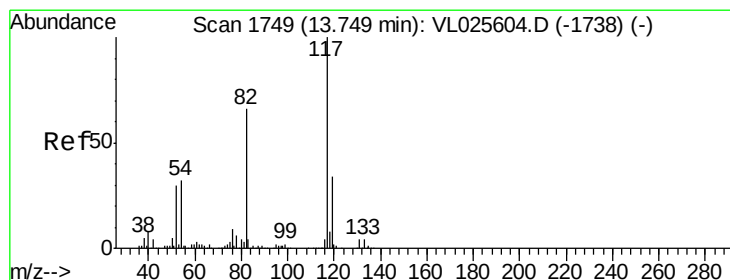
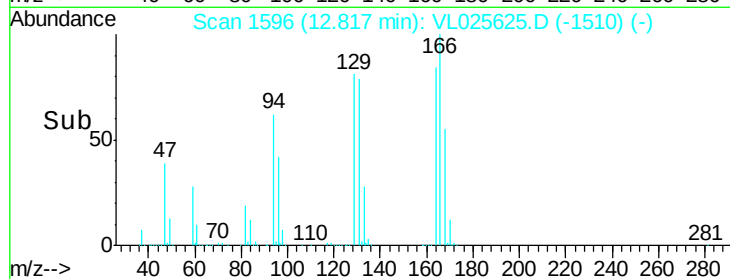
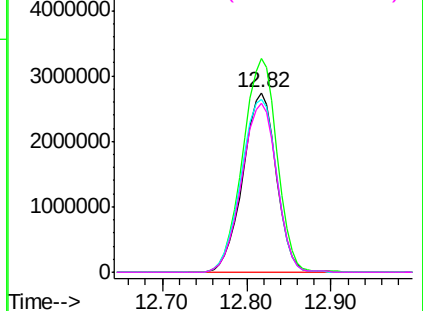


Abundance Ion 163.90 (163.60 to 164.60): V

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



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.76 min Scan# 1750

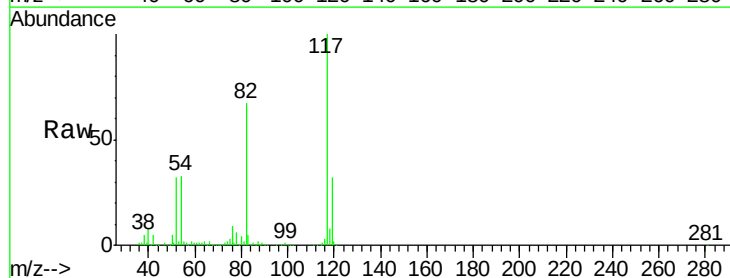
Delta R.T. 0.01 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Tgt Ion:117 Resp: 2106094

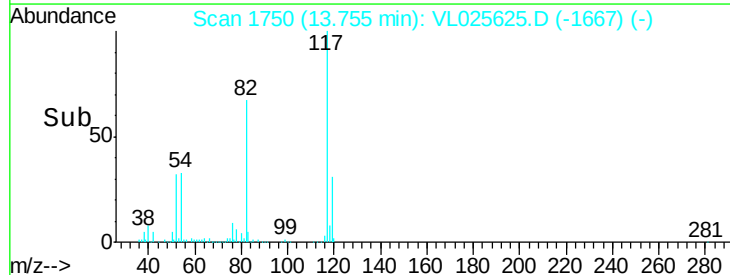
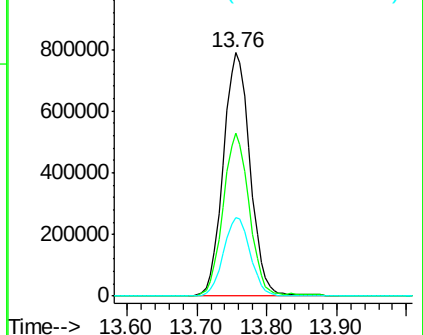
Ion	Ratio	Lower	Upper
117	100		
82	66.3	50.5	75.7
119	32.5	45.1	67.7#

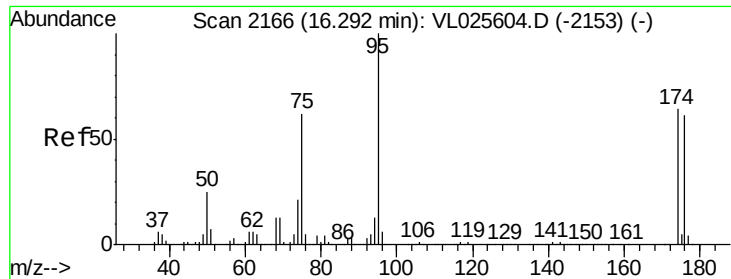


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.97 ppbv

RT: 16.30 min Scan# 2167

Delta R.T. 0.01 min

Lab File: VL025625.D

Acq: 8 Jul 2015 2:36

Instrument :

MSVOA_L

ClientSampleId :

DIN46-INFLUENT-070115

Tot Ion: 95 Resp: 1772082

Ion Ratio Lower Upper

95 100

174 64.0 52.0 78.0

175 4.8 3.9 5.9

