

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026182.D
 Acq On : 9 Oct 2015 18:52
 Operator : SY/MD
 Sample : OC092915 CAN 10257
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC092915 CAN 10257

Manual Integrations
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Quant Time: Oct 10 00:28:10 2015
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 0
 QLast Update : Fri Oct 09 16:23:14 2015
 Response via : Initial Calibration

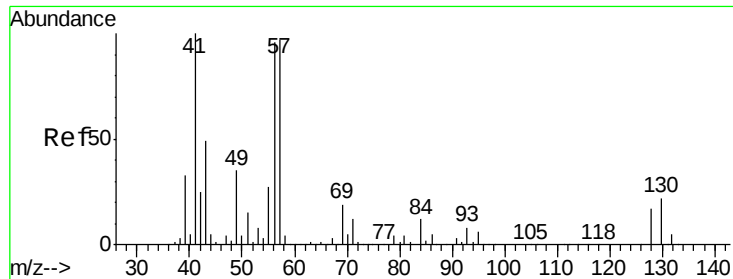
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.67	49	923324	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	8.34	114	2422706	10.00	ppbv	0.00
55) Chlorobenzene-d5	13.77	117	2840956	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.31	95	2189901	10.04	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.58	51	26956m	0.25	ppbv	
5) Vinyl Chloride	3.90	62	4424	0.07	ppbv	100
9) Propene	3.60	41	6102	0.12	ppbv	91
15) Acetone	4.65	43	45943	0.38	ppbv #	13
16) 1,3-Butadiene	3.98	39	8416	0.15	ppbv #	47
20) Methylene Chloride	5.17	84	7873	0.15	ppbv #	85
32) 1,1,1-Trichloroethane	7.62	97	11107	0.07	ppbv	95
34) 2-Butanone	6.25	43	16043	0.12	ppbv	91
35) Carbon Tetrachloride	8.18	117	10763	0.07	ppbv	93
38) Trichloroethene	9.09	130	9189	0.09	ppbv	87
52) Tetrachloroethene	12.82	164	9730	0.09	ppbv #	81

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



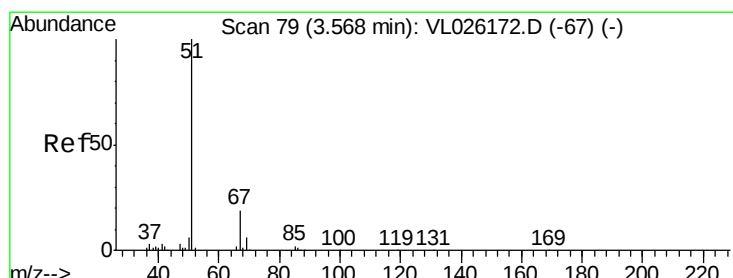
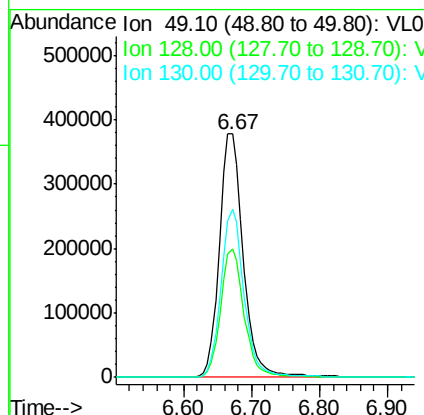
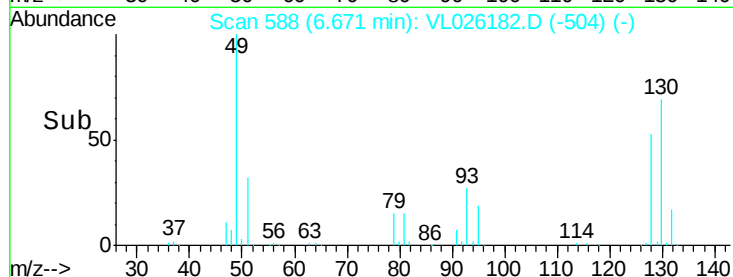
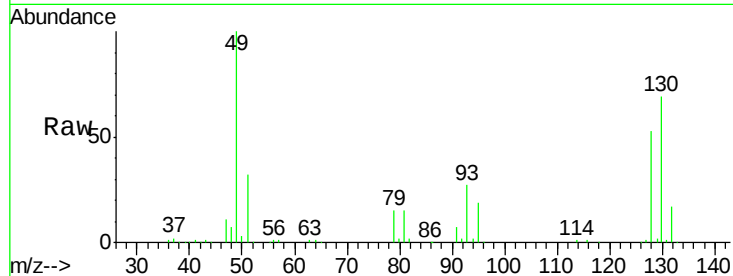
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.67 min Scan# 588
 Delta R.T. 0.01 min
 Lab File: VL026182.D
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 ClientSampleId :
 QC092915 CAN 10257

Tot Ion	Ratio	Lower	Upper
49	100		
128	52.7	26.3	78.8
130	67.7	34.2	102.5

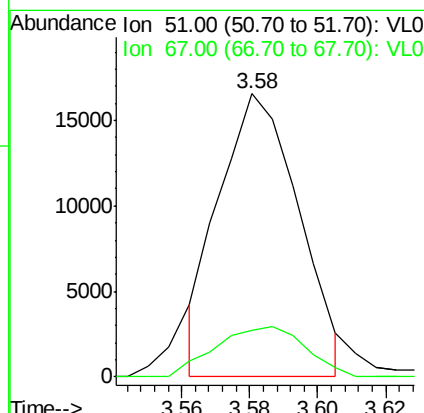
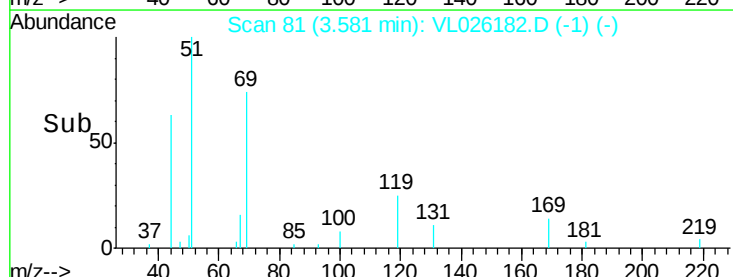
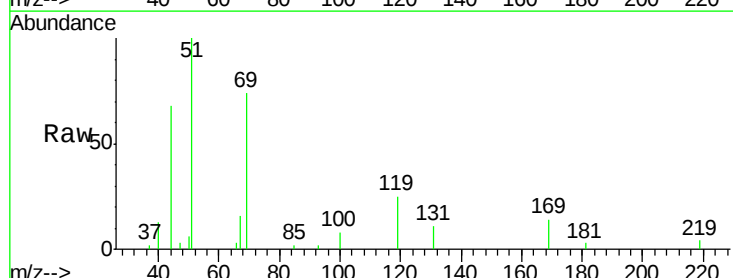
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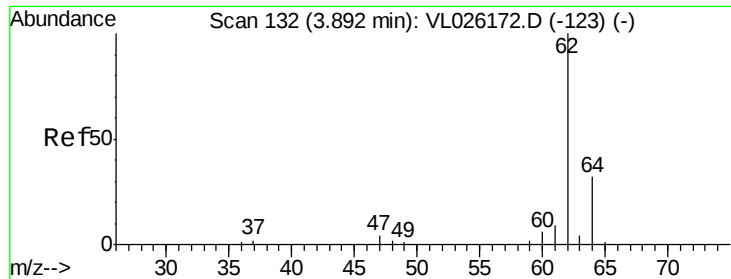
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#3
 Chlorodifluoromethane
 Concen: 0.25 ppbv m
 RT: 3.58 min Scan# 81
 Delta R.T. 0.01 min
 Lab File: VL026182.D
 Acq: 9 Oct 2015 18:52

Tgt Ion	Ratio	Lower	Upper
51	100		
67	20.0	14.9	22.3





#5

Vinyl Chloride

Concen: 0.07 ppbv

RT: 3.90 min Scan# 134

Delta R.T. 0.01 min

Lab File: VL026182.D

Acq: 9 Oct 2015 18:52

Instrument :

MSVOA_L

ClientSampleId :

QC092915 CAN 10257

Tot Ion: 62 Resp: 4424

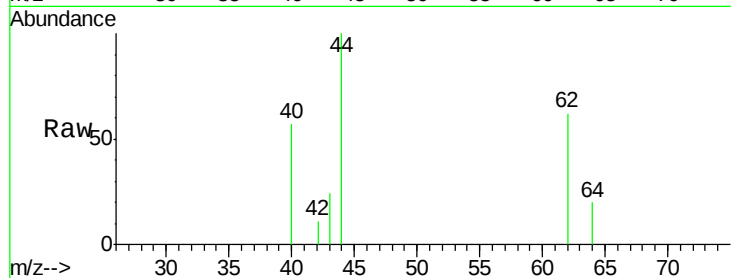
Ion Ratio Lower Upper

62 100

64 32.1 25.6 38.4

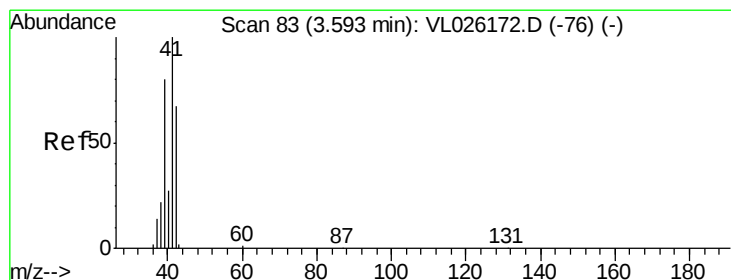
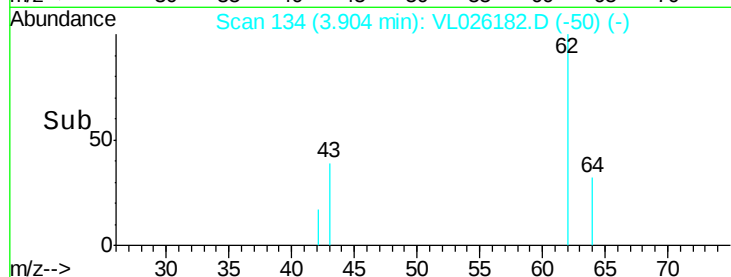
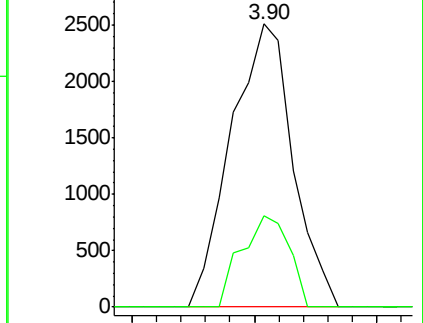
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#9

Propene

Concen: 0.12 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026182.D

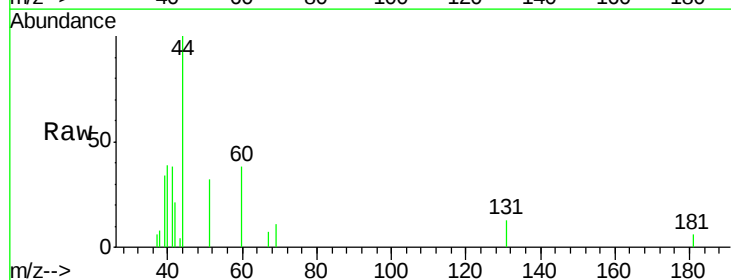
Acq: 9 Oct 2015 18:52

Tgt Ion: 41 Resp: 6102

Ion Ratio Lower Upper

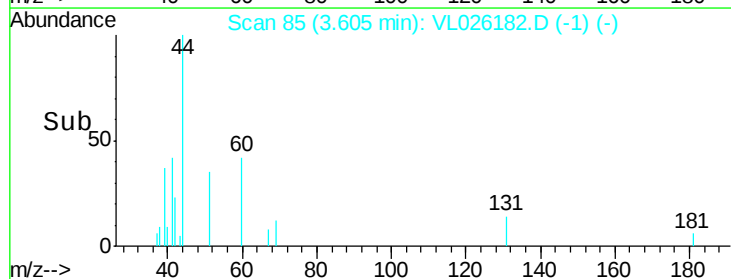
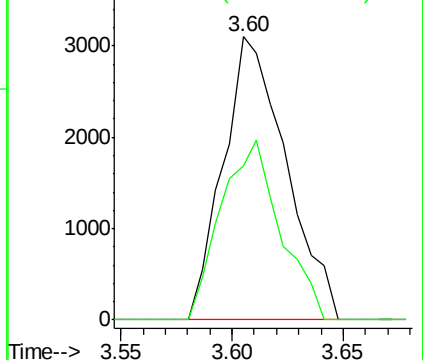
41 100

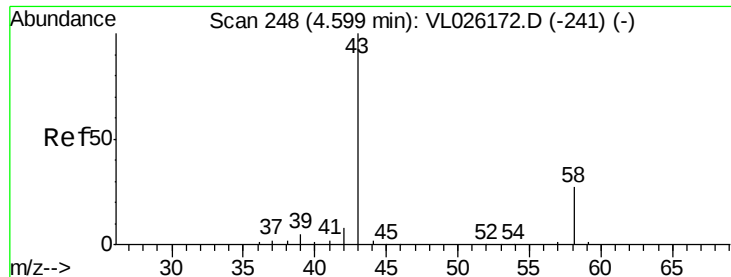
42 59.6 53.6 80.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.38 ppbv

RT: 4.65 min Scan# 256

Delta R.T. 0.05 min

Lab File: VL026182.D

Acq: 9 Oct 2015 18:52

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 43 Resp: 45943

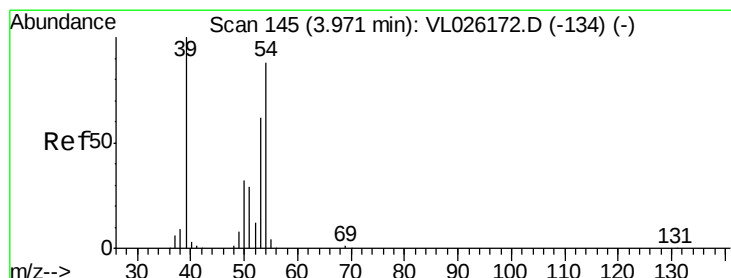
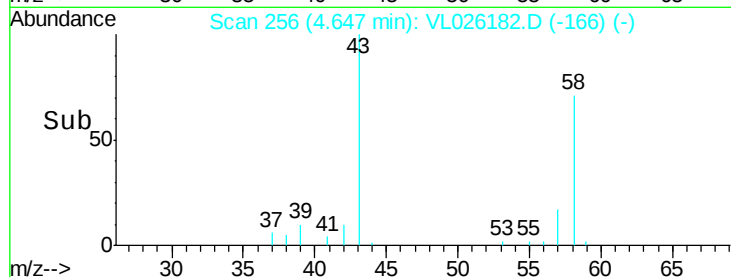
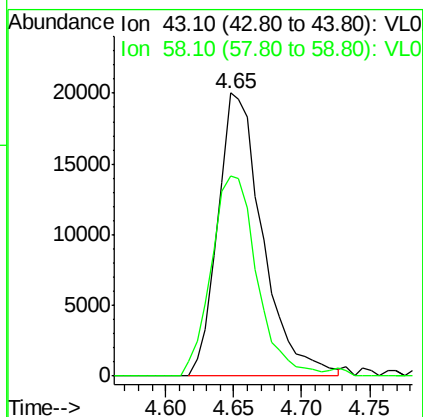
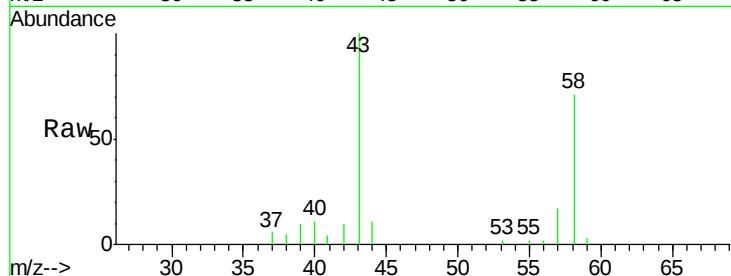
Ion Ratio Lower Upper

43 100

58 73.0 22.0 33.0#

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#16

1,3-Butadiene

Concen: 0.15 ppbv

RT: 3.98 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL026182.D

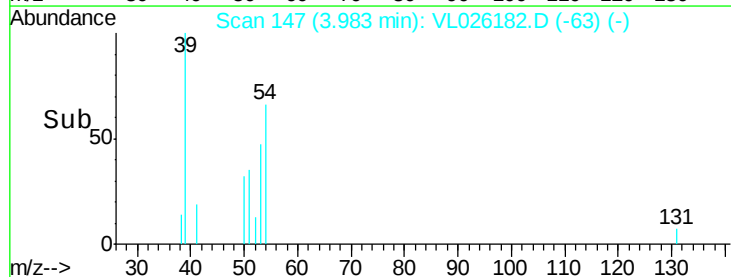
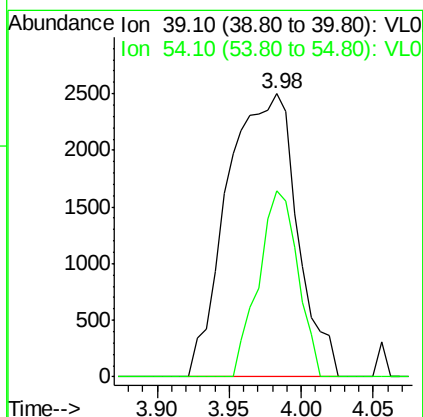
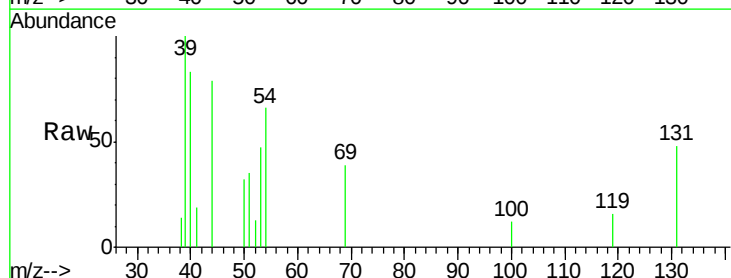
Acq: 9 Oct 2015 18:52

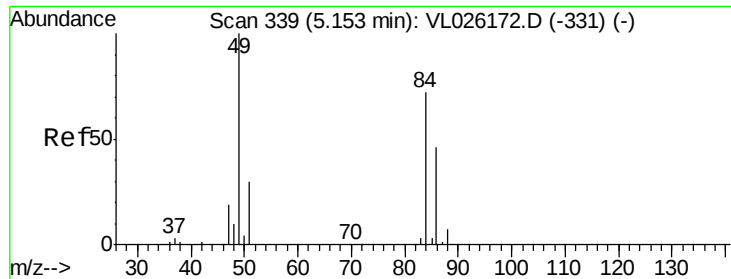
Tgt Ion: 39 Resp: 8416

Ion Ratio Lower Upper

39 100

54 36.9 67.9 101.9#





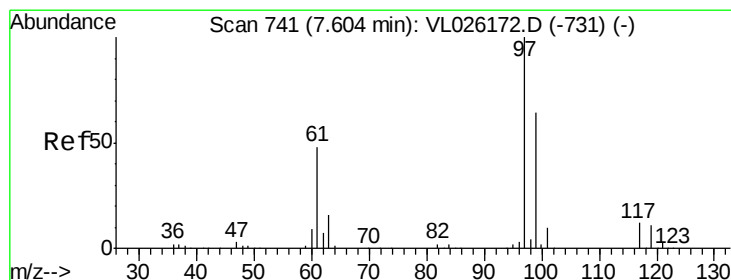
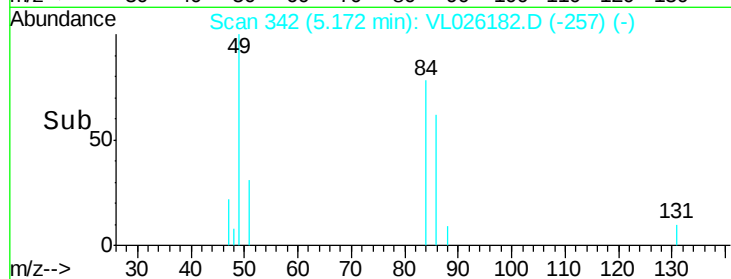
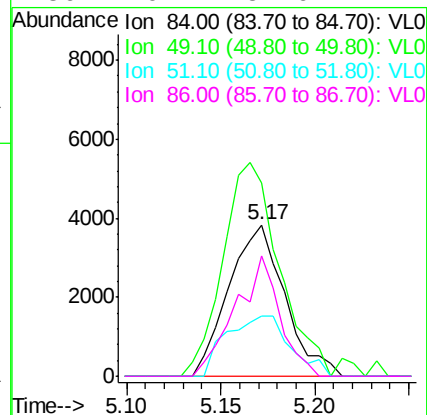
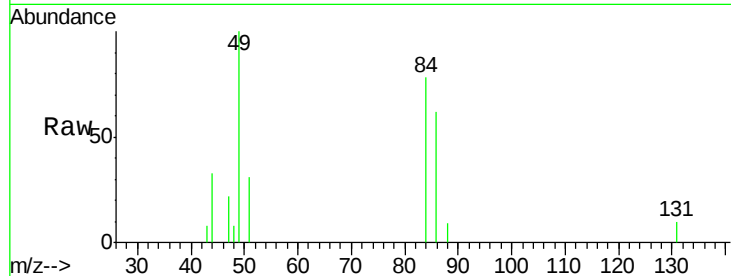
#20
Methvlene Chloride
Concen: 0.15 ppbv
RT: 5.17 min Scan# 342
Delta R.T. 0.02 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

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ClientSampleId :
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Tot Ion: 84 Resp: 7873
Ion Ratio Lower Upper
84 100
49 119.0 111.3 166.9
51 40.1 33.0 49.6
86 79.2 51.6 77.4#

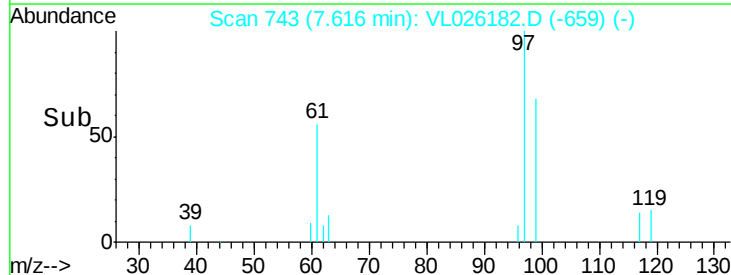
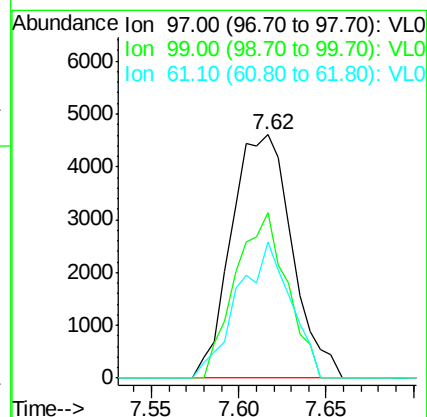
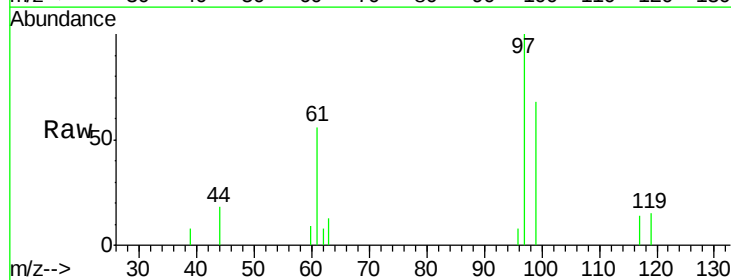
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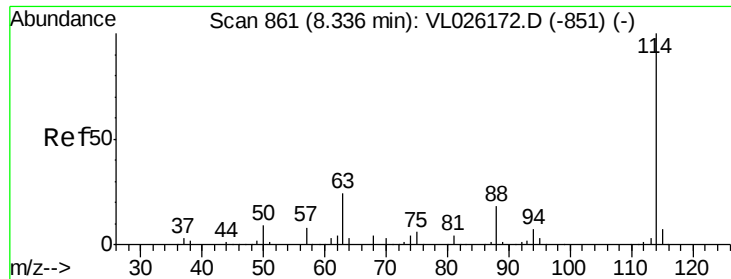
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#32
1,1,1-Trichloroethane
Concen: 0.07 ppbv
RT: 7.62 min Scan# 743
Delta R.T. 0.01 min
Lab File: VL026182.D
Acq: 9 Oct 2015 18:52

Tgt Ion: 97 Resp: 11107
Ion Ratio Lower Upper
97 100
99 57.9 51.3 76.9
61 49.0 38.7 58.1





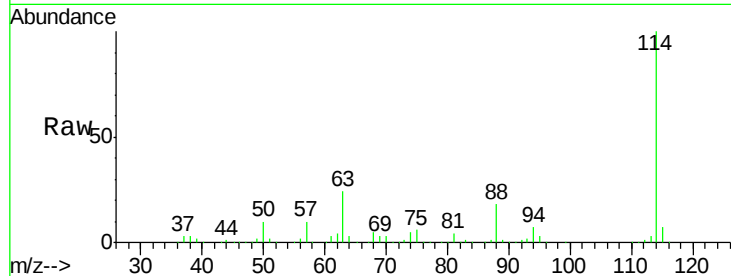
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.34 min Scan# 862
 Delta R.T. 0.01 min
 Lab File: VL026182.D
 Acq: 9 Oct 2015 18:52

Instrument :
 MSVOA_L
 ClientSampleId :
 QC092915 CAN 10257

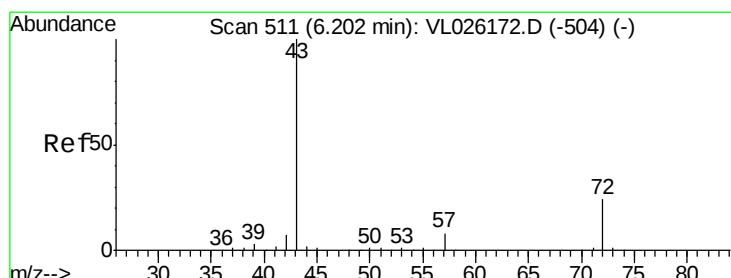
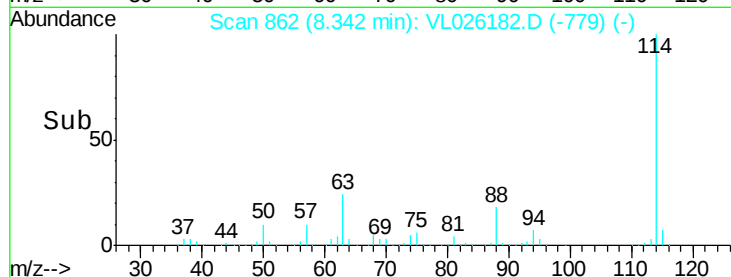
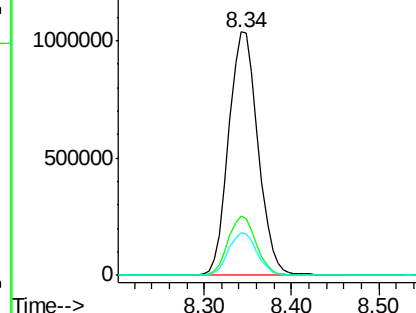
Tot Ion:114 Resp: 2422706
 Ion Ratio Lower Upper
 114 100
 63 23.7 19.0 28.6
 88 17.3 13.8 20.8

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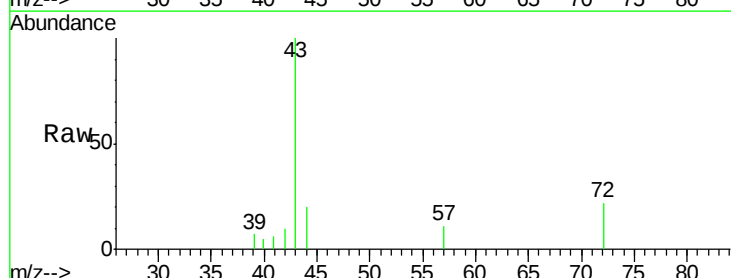


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

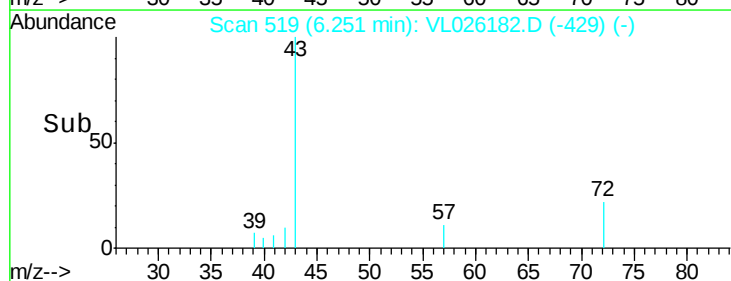
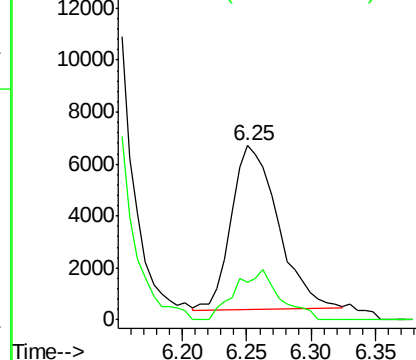


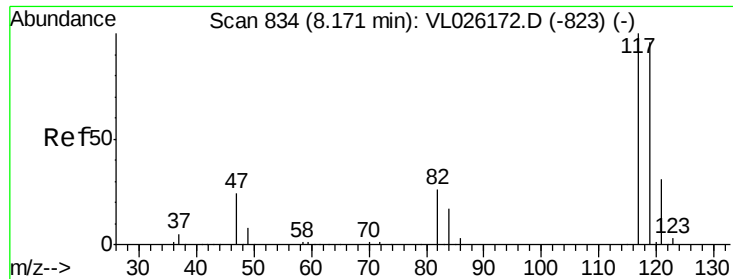
#34
 2-Butanone
 Concen: 0.12 ppbv
 RT: 6.25 min Scan# 519
 Delta R.T. 0.05 min
 Lab File: VL026182.D
 Acq: 9 Oct 2015 18:52

Tgt Ion: 43 Resp: 16043
 Ion Ratio Lower Upper
 43 100
 72 28.9 19.6 29.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.07 ppbv

RT: 8.18 min Scan# 835

Delta R.T. 0.01 min

Lab File: VL026182.D

Acq: 9 Oct 2015 18:52

Instrument :

MSVOA_L

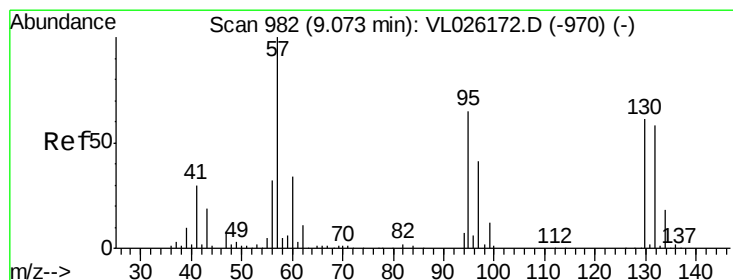
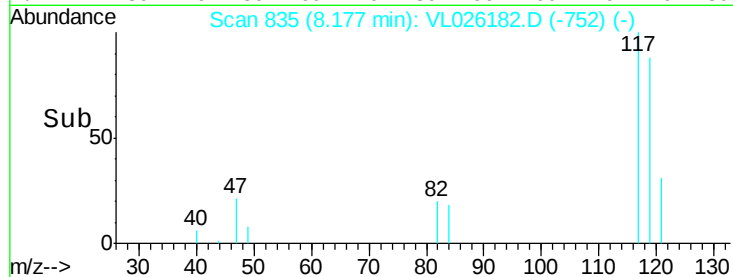
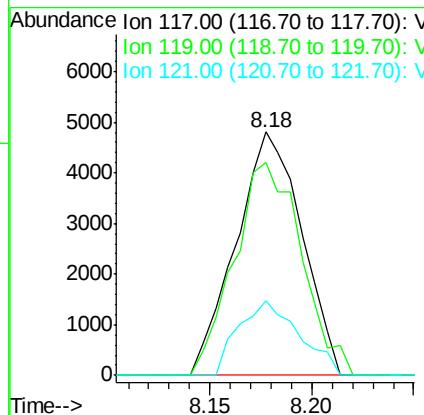
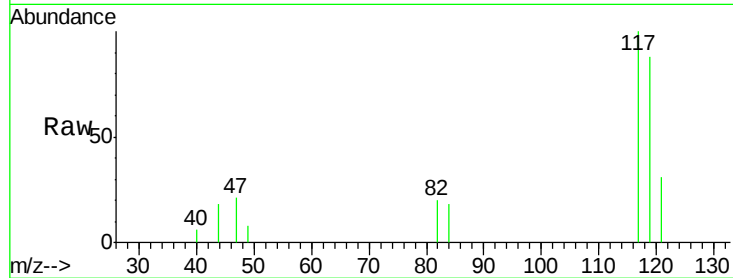
ClientSampleId :

QC092915 CAN 10257

Tot Ion:117 Resp: 10763
 Ion Ratio Lower Upper
 117 100
 119 87.5 76.6 115.0
 121 30.9 25.0 37.4

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#38

Trichloroethene

Concen: 0.09 ppbv

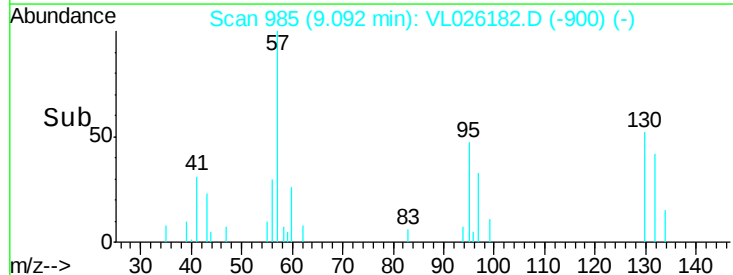
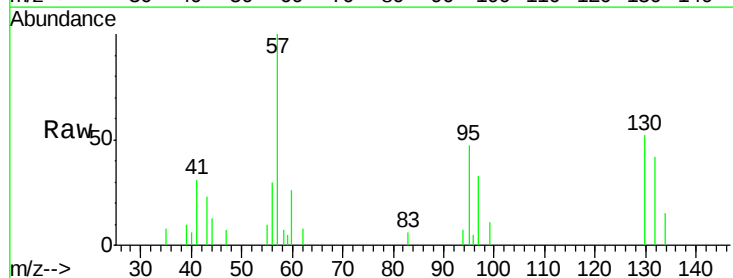
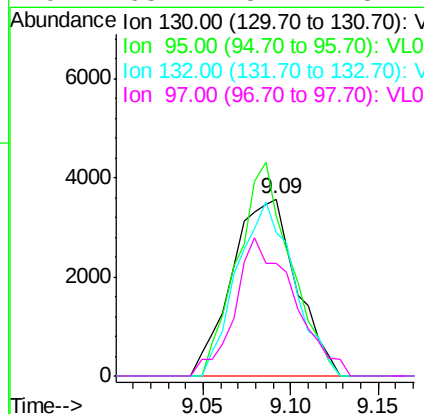
RT: 9.09 min Scan# 985

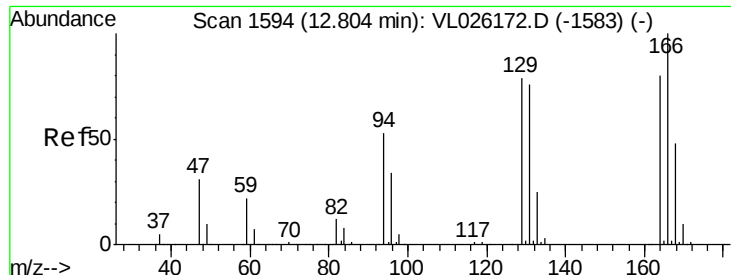
Delta R.T. 0.02 min

Lab File: VL026182.D

Acq: 9 Oct 2015 18:52

Tgt Ion:130 Resp: 9189
 Ion Ratio Lower Upper
 130 100
 95 90.4 84.9 127.3
 132 80.7 76.8 115.2
 97 63.7 54.1 81.1





#52

Tetrachloroethene

Concen: 0.09 ppbv

RT: 12.82 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VL026182.D

Acq: 9 Oct 2015 18:52

Instrument :

MSVOA_L

ClientSampleId :

QC092915 CAN 10257

Tot Ion:164 Resp: 9730

Ion Ratio Lower Upper

164 100

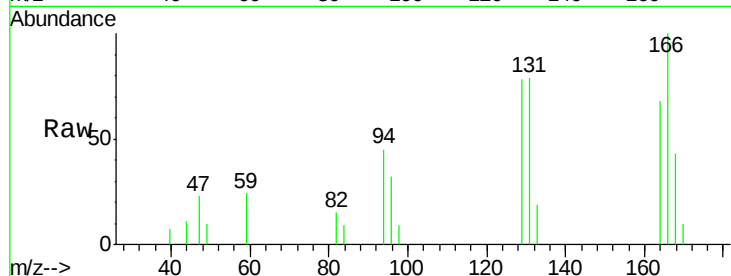
166 146.4 99.9 149.9

129 114.6 79.1 118.7

131 116.2 76.3 114.5#

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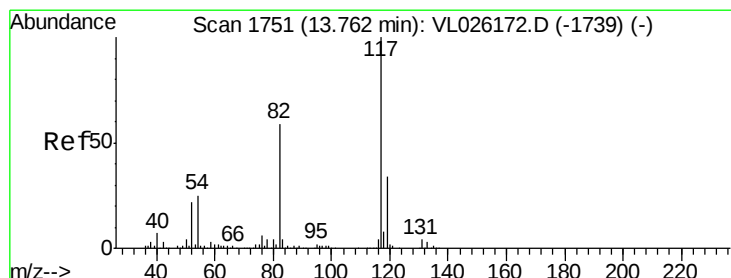
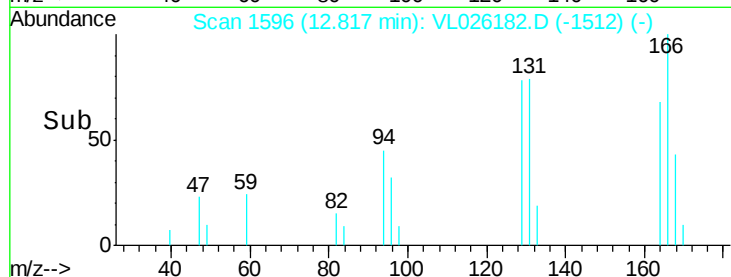
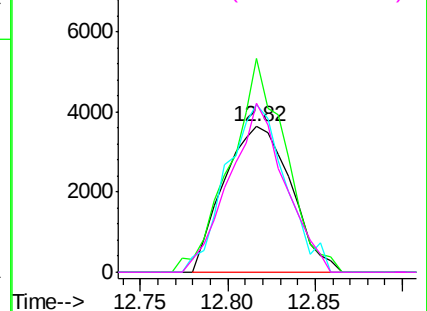


Abundance Ion 163.90 (163.60 to 164.60): V

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



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.77 min Scan# 1752

Delta R.T. 0.01 min

Lab File: VL026182.D

Acq: 9 Oct 2015 18:52

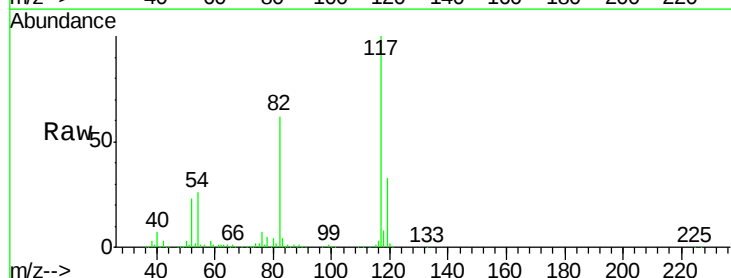
Tgt Ion:117 Resp: 2840956

Ion Ratio Lower Upper

117 100

82 61.8 47.7 71.5

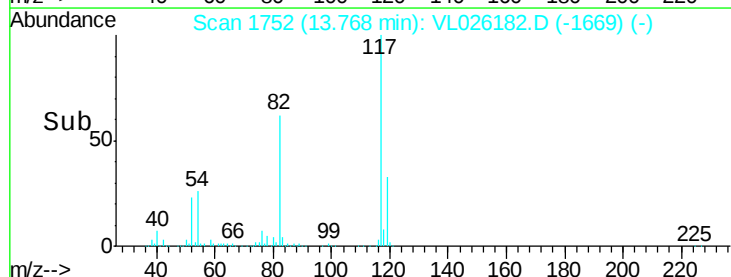
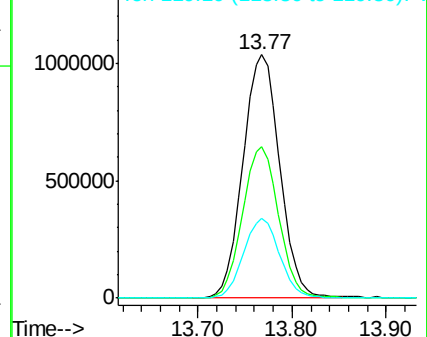
119 32.6 43.7 65.5#

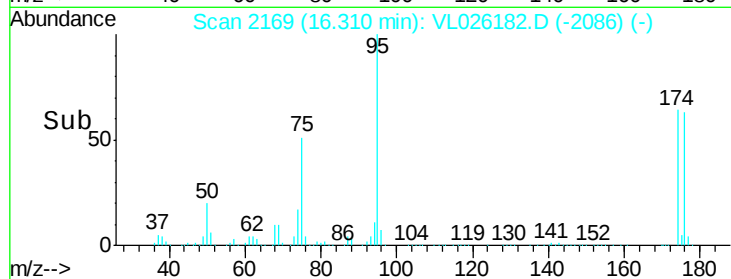
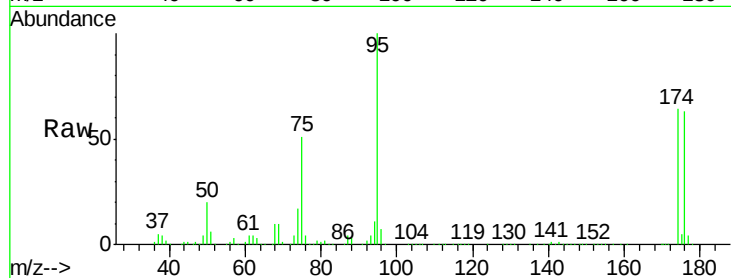
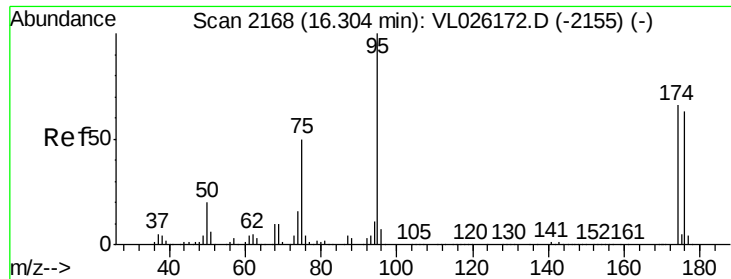


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.04 ppbv

RT: 16.31 min Scan# 2169

Delta R.T. 0.01 min

Lab File: VL026182.D

Acq: 9 Oct 2015 18:52

Instrument :

MSVOA_L

ClientSampleId :

QC092915 CAN 10257

Tot Ion: 95 Resp: 2189901

Ion Ratio Lower Upper

95 100

174 64.7 52.2 78.4

175 4.7 3.9 5.9

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