

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026198.D
 Acq On : 10 Oct 2015 5:34
 Operator : SY/MD
 Sample : G3925-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
 APPROVED

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 10/13/2015 1:18:01 PM

Quant Time: Oct 12 11:07:07 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	6.64	49	430330	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	8.32	114	1414764	10.00	ppbv	-0.02
55) Chlorobenzene-d5	13.73	117	1634452	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.27	95	1313294	10.47	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.56	51	76779m	1.53	ppbv	
9) Propene	3.60	41	9518	0.41	ppbv #	62
10) Heptane	9.35	43	12493	0.16	ppbv	87
13) Ethanol	4.35	45	3902	1.15	ppbv	78
15) Acetone	4.61	43	130708	2.35	ppbv	95
20) Methylene Chloride	5.15	84	3938	0.17	ppbv	91
53) Toluene	11.23	91	60629	0.35	ppbv	100
81) 1,2,4-Trichlorobenzene	23.22	180	2749	0.04	ppbv #	12

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

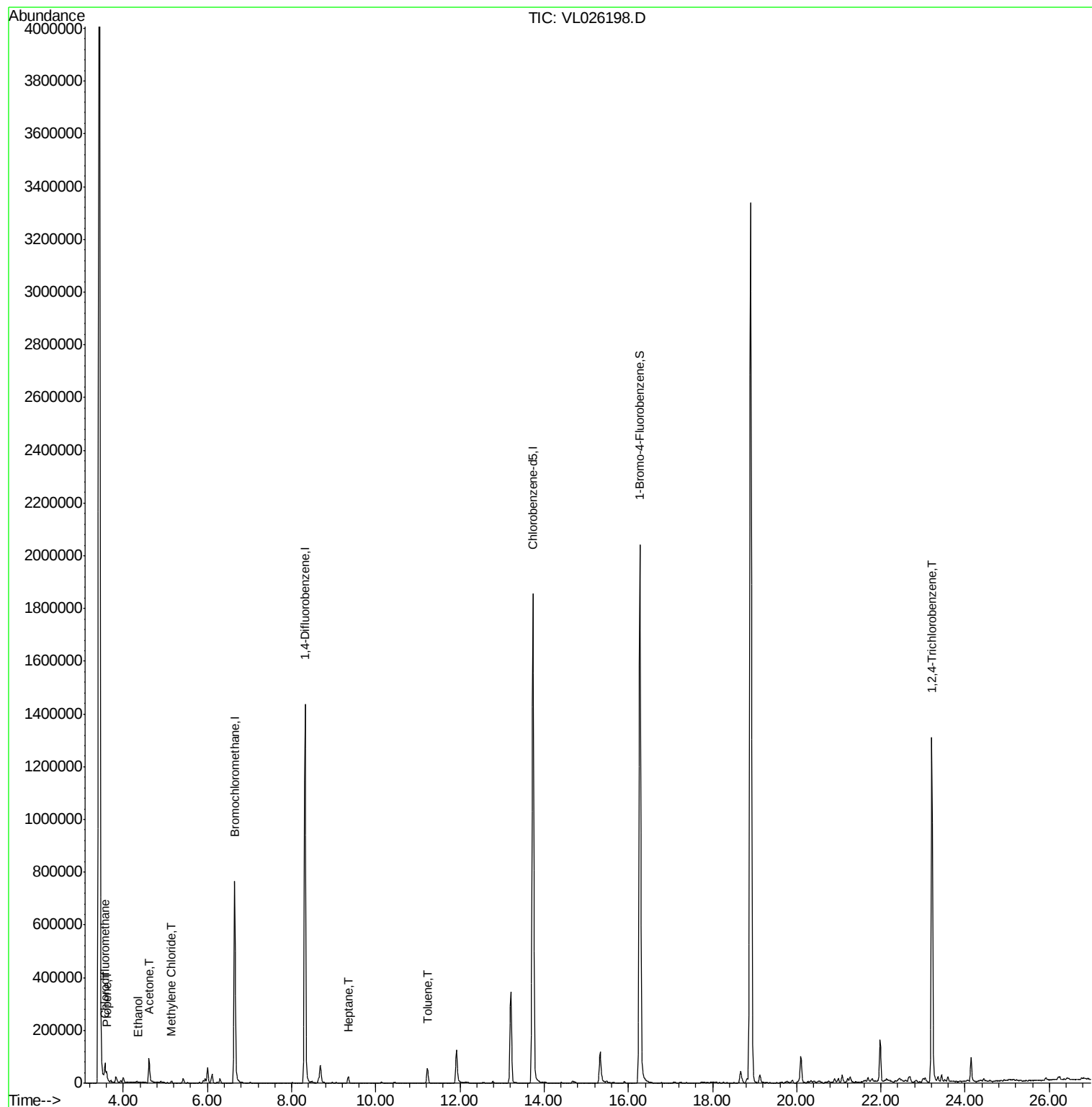
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
Data File : VL026198.D
Acq On : 10 Oct 2015 5:34
Operator : SY/MD
Sample : G3925-02DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

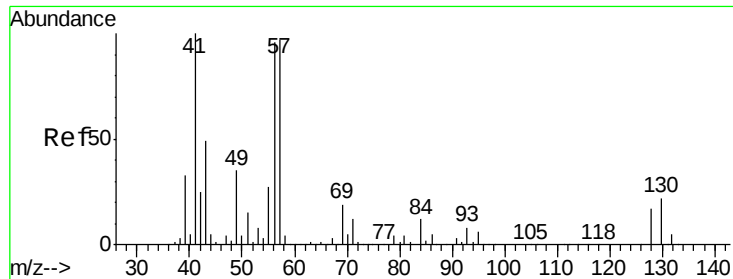
Instrument :
MSVOA_L
ClientSampleId :
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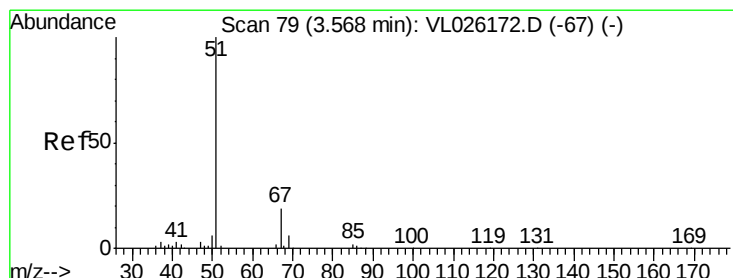
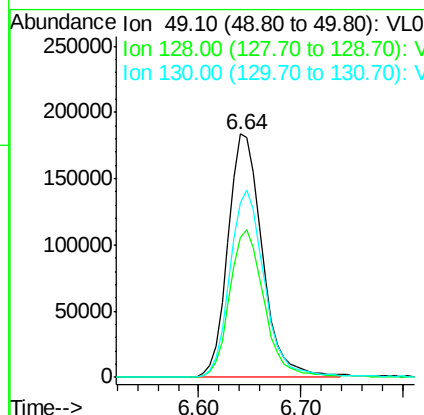
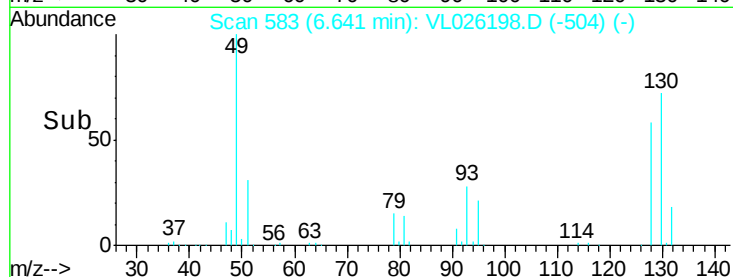
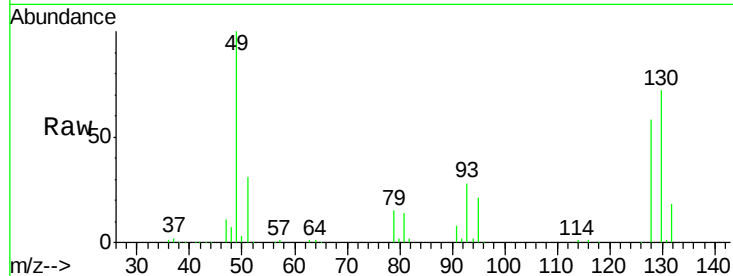
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 6.64 min Scan# 583
 Delta R.T. -0.02 min
 Lab File: VL026198.D
 Acq: 10 Oct 2015 5:34

Instrument :
 MSVOA_L
 ClientSampled :
 SG-2DL

Tot Ion	Ion	Ratio	Lower	Upper
49	100			
128	61.5	26.3	78.8	
130	78.6	34.2	102.5	

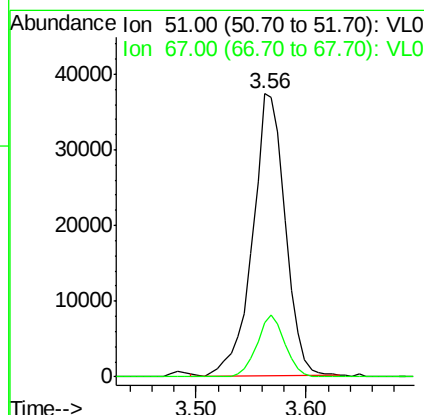
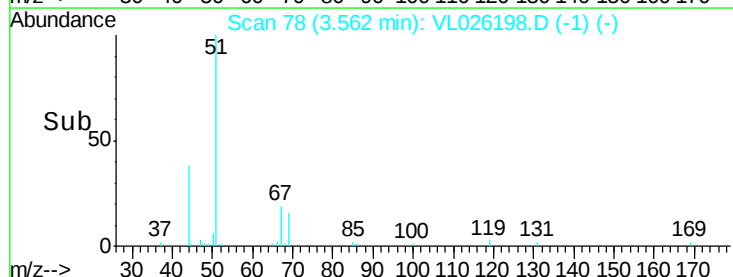
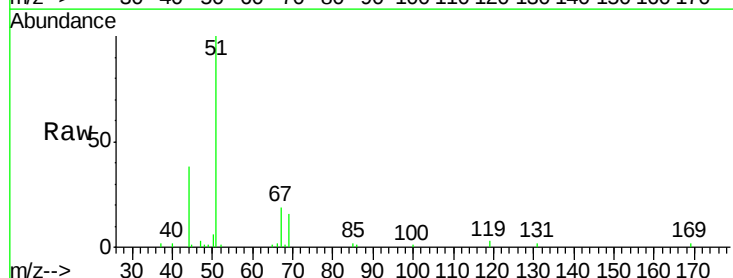
Manual Integrations
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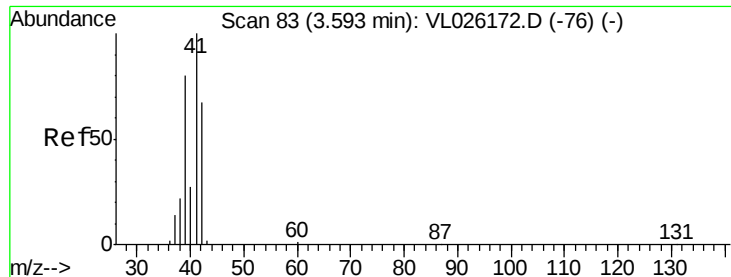
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#3
 Chlorodifluoromethane
 Concen: 1.53 ppbv m
 RT: 3.56 min Scan# 78
 Delta R.T. -0.01 min
 Lab File: VL026198.D
 Acq: 10 Oct 2015 5:34

Tgt Ion	Ion	Ratio	Lower	Upper
51	100			
67	18.7	14.9	22.3	





#9

Propene

Concen: 0.41 ppbv

RT: 3.60 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL026198.D

Acq: 10 Oct 2015 5:34

Instrument :

MSVOA_L

ClientSampled :

SG-2DL

Tot Ion: 41 Resp: 9518

Ion Ratio Lower Upper

41 100

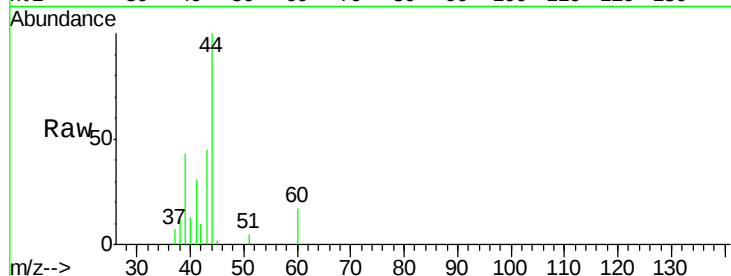
42 36.8 53.6 80.4#

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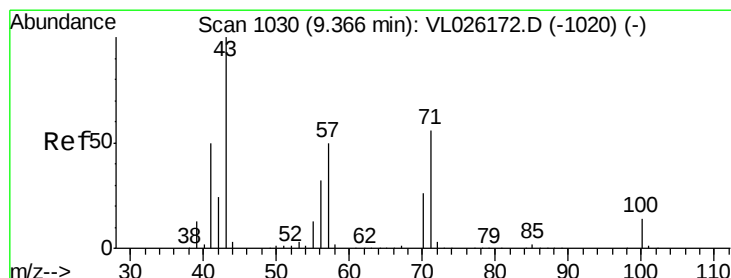
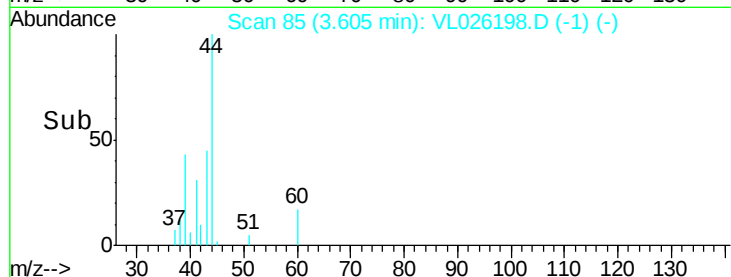
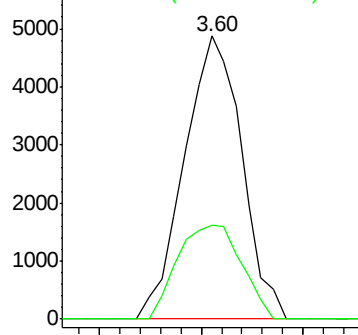
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.16 ppbv

RT: 9.35 min Scan# 1027

Delta R.T. -0.02 min

Lab File: VL026198.D

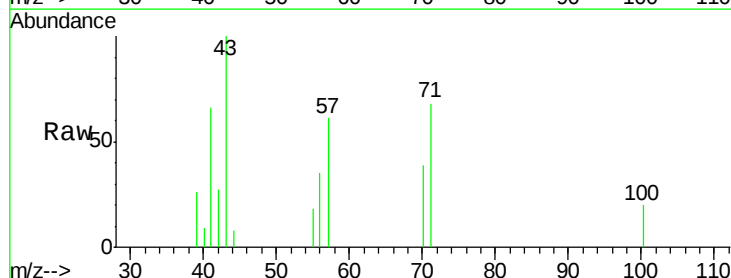
Acq: 10 Oct 2015 5:34

Tgt Ion: 43 Resp: 12493

Ion Ratio Lower Upper

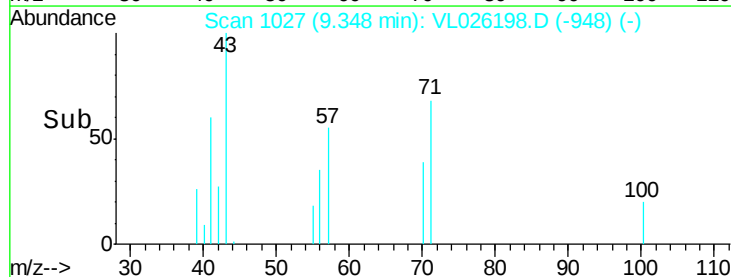
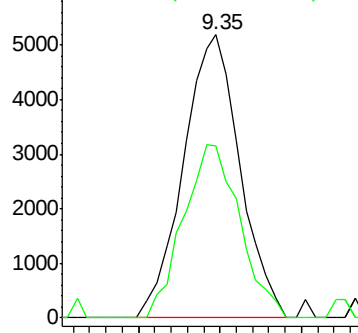
43 100

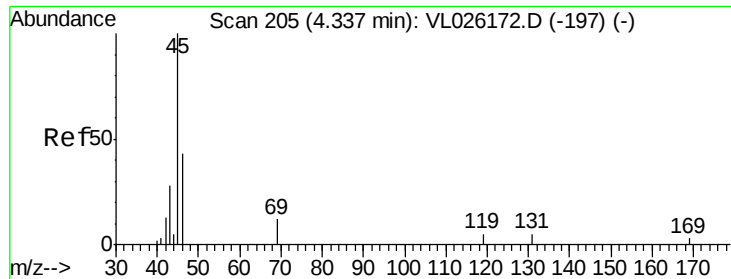
57 61.2 41.8 62.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#13

Ethanol

Concen: 1.15 ppbv

RT: 4.35 min Scan# 208

Delta R.T. 0.02 min

Lab File: VL026198.D

Acq: 10 Oct 2015 5:34

Tot Ion: 45 Resp: 3902

Ion Ratio Lower Upper

45 100

46 30.8 18.1 72.5

Instrument :

MSVOA_L

ClientSampled :

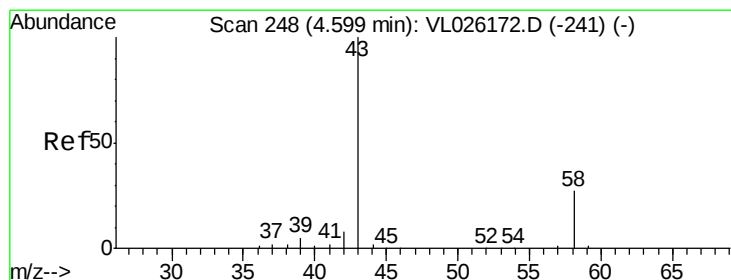
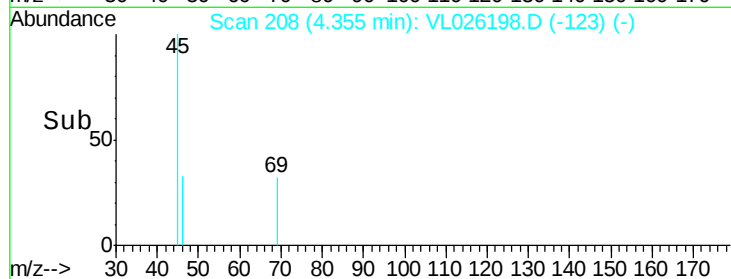
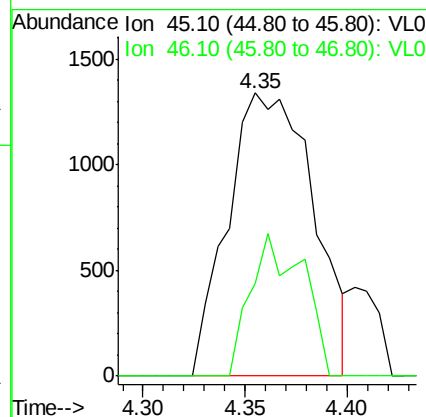
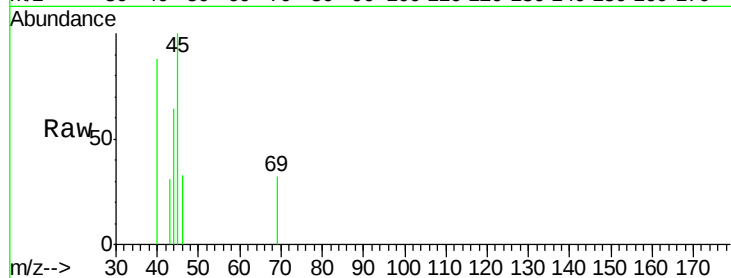
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#15

Acetone

Concen: 2.35 ppbv

RT: 4.61 min Scan# 250

Delta R.T. 0.01 min

Lab File: VL026198.D

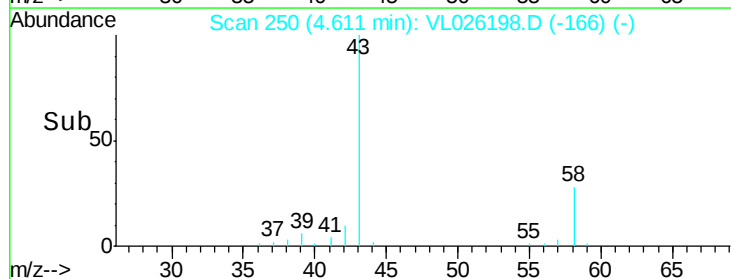
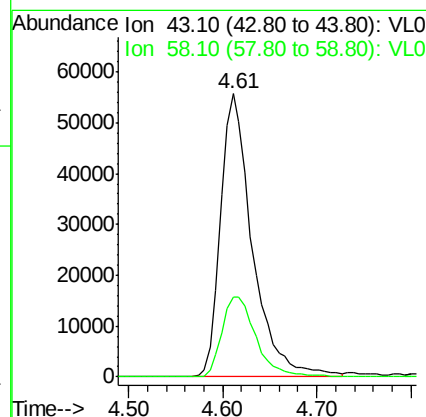
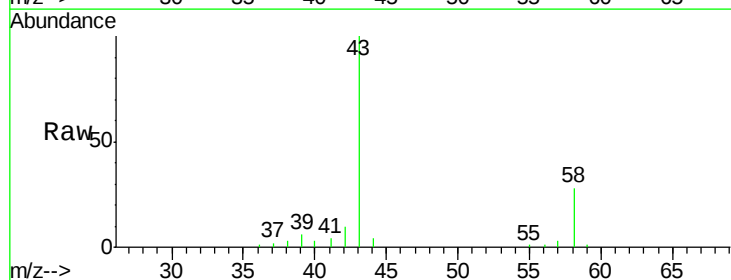
Acq: 10 Oct 2015 5:34

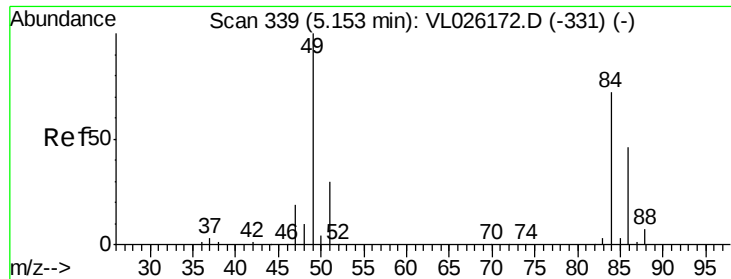
Tgt Ion: 43 Resp: 130708

Ion Ratio Lower Upper

43 100

58 30.2 22.0 33.0





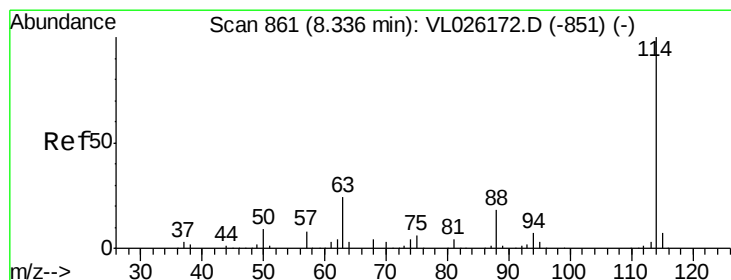
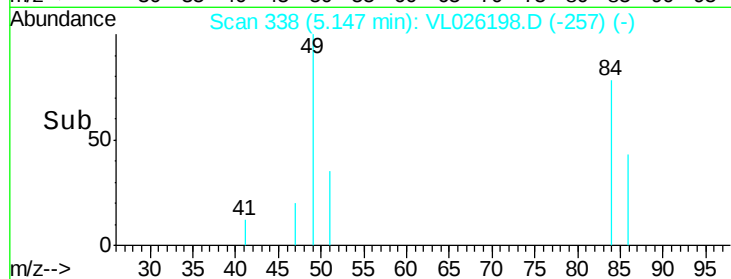
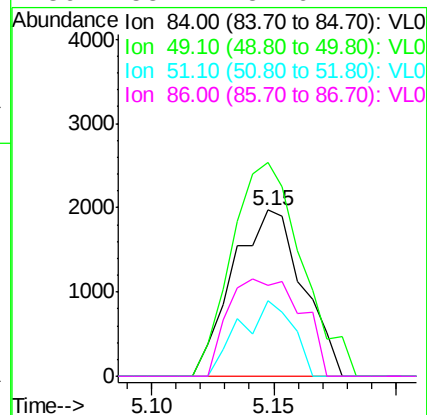
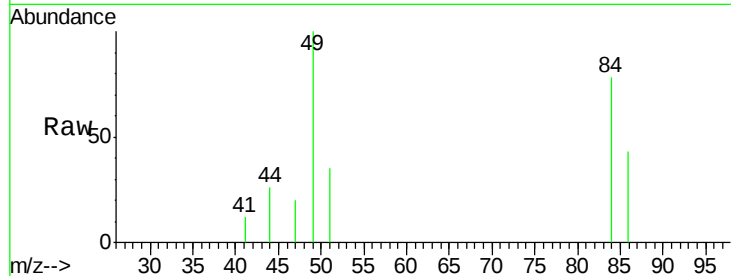
#20
Methvlene Chloride
Concen: 0.17 ppbv
RT: 5.15 min Scan# 338
Delta R.T. -0.01 min
Lab File: VL026198.D
Acq: 10 Oct 2015 5:34

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion	Ratio	Lower	Upper
84	100		
49	128.5	111.3	166.9
51	45.1	33.0	49.6
86	55.1	51.6	77.4

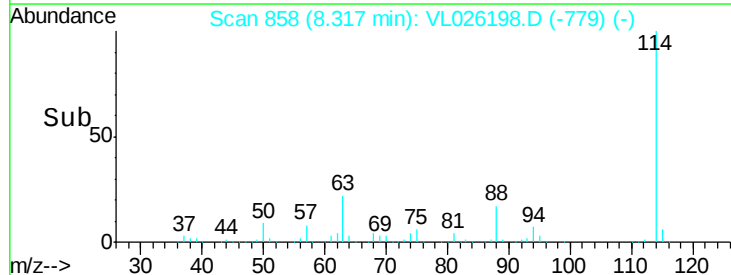
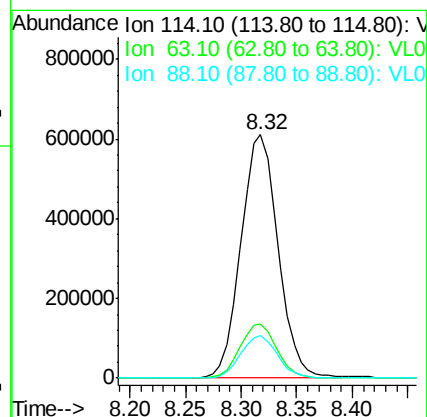
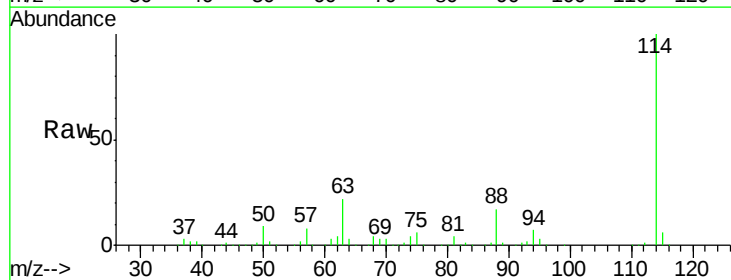
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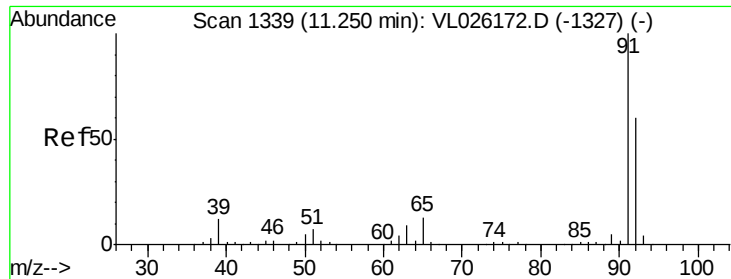
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.32 min Scan# 858
Delta R.T. -0.02 min
Lab File: VL026198.D
Acq: 10 Oct 2015 5:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.3	19.0	28.6
88	17.4	13.8	20.8





#53

Toluene

Concen: 0.35 ppbv

RT: 11.23 min Scan# 1336

Delta R.T. -0.02 min

Lab File: VL026198.D

Acq: 10 Oct 2015 5:34

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 91 Resp: 60629

Ion Ratio Lower Upper

91 100

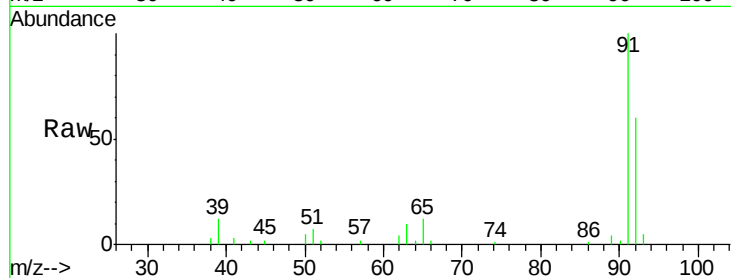
92 60.2 48.5 72.7

Manual Integrations

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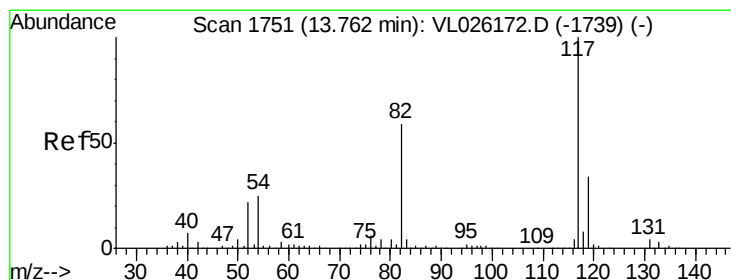
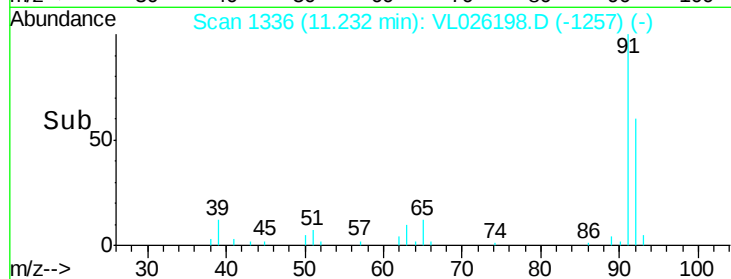
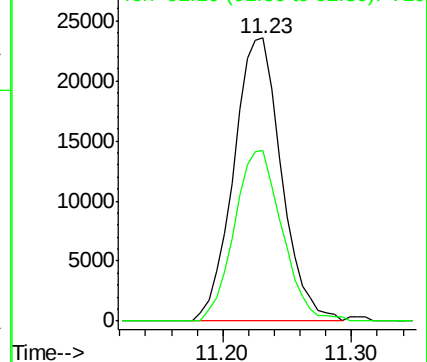
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 13.73 min Scan# 1746

Delta R.T. -0.03 min

Lab File: VL026198.D

Acq: 10 Oct 2015 5:34

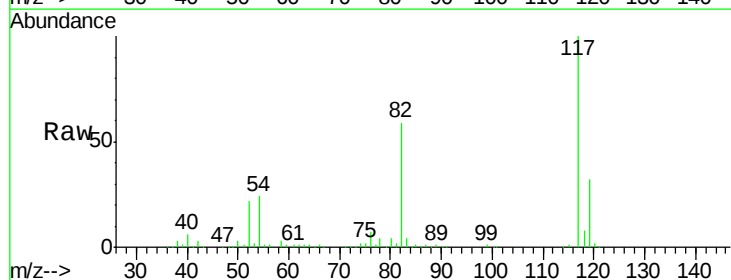
Tgt Ion: 117 Resp: 1634452

Ion Ratio Lower Upper

117 100

82 59.9 47.7 71.5

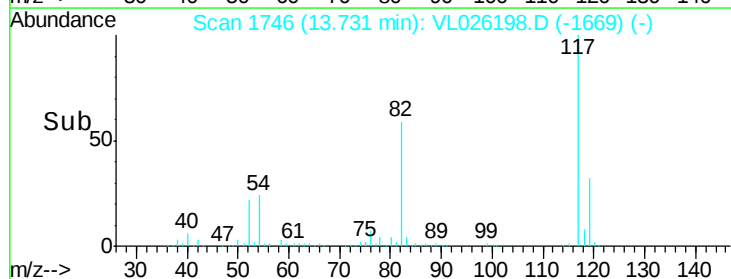
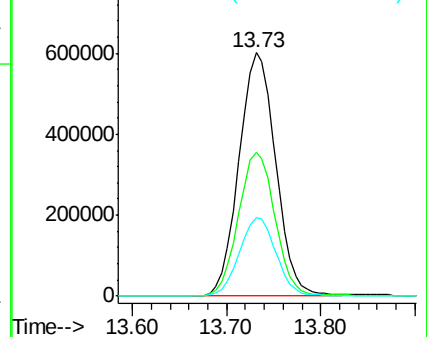
119 32.6 43.7 65.5#

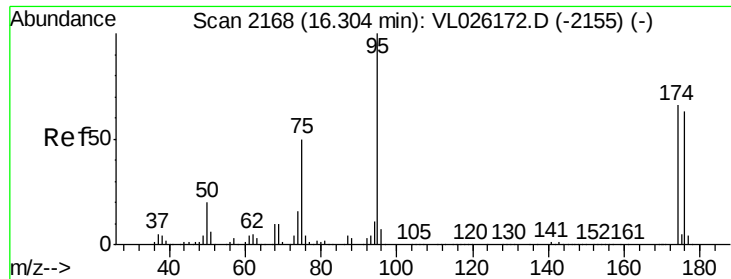


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





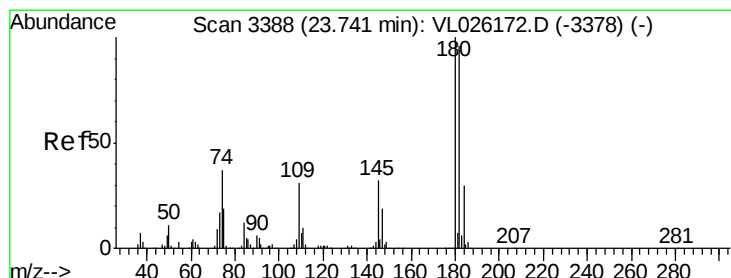
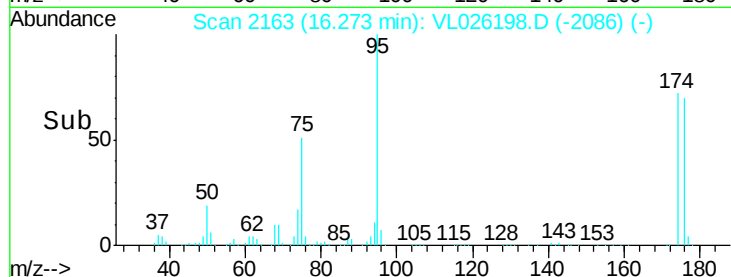
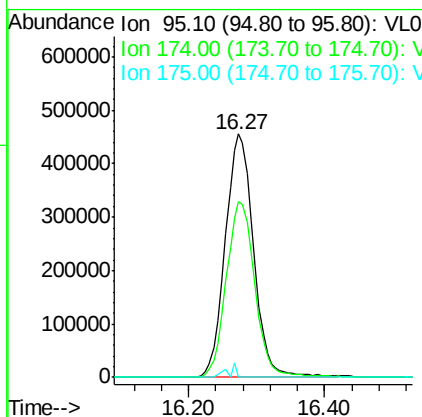
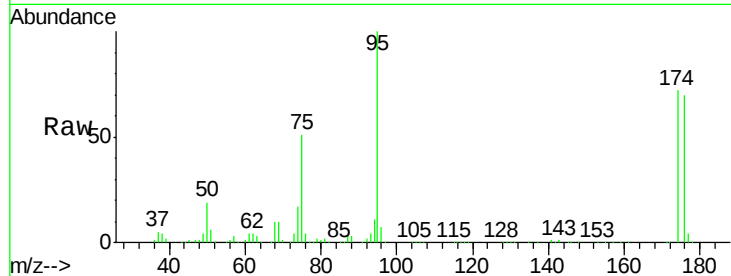
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.47 ppbv
 RT: 16.27 min Scan# 2163
 Delta R.T. -0.03 min
 Lab File: VL026198.D
 Acq: 10 Oct 2015 5:34

Instrument :
 MSVOA_L
 ClientSampled :
 SG-2DL

Tot Ion: 95 Resp: 1313294
 Ion Ratio Lower Upper
 95 100
 174 73.5 52.2 78.4
 175 1.7 3.9 5.9#

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#81
 1,2,4-Trichlorobenzene
 Concen: 0.04 ppbv
 RT: 23.22 min Scan# 3302
 Delta R.T. -0.52 min
 Lab File: VL026198.D
 Acq: 10 Oct 2015 5:34

Tgt Ion: 180 Resp: 2749
 Ion Ratio Lower Upper
 180 100
 182 0.0 76.4 114.6#
 184 0.0 24.0 36.0#

