

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
 Data File : VL026195.D
 Acq On : 10 Oct 2015 3:36
 Operator : SY/MD
 Sample : G3925-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Manual Integrations
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 10/13/2015 1:17:57 PM

Quant Time: Oct 12 11:04:53 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	6.65	49	321770	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	8.32	114	1090198	10.00	ppbv	-0.01
55) Chlorobenzene-d5	13.74	117	1178191	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.29	95	964508	10.66	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.57	51	34422m	0.92	ppbv	
9) Propene	3.61	41	4767	0.28	ppbv #	69
10) Heptane	9.35	43	27396	0.46	ppbv	90
13) Ethanol	4.36	45	5299	2.09	ppbv	78
15) Acetone	4.60	43	215114	5.17	ppbv	99
19) Isopropyl Alcohol	4.81	45	2785	0.17	ppbv #	94
52) Tetrachloroethene	12.79	164	4461	0.09	ppbv	92
53) Toluene	11.24	91	117483	0.87	ppbv	99
61) Styrene	15.31	104	6376	0.11	ppbv	99
74) 1,2,4-Trimethylbenzene	18.83	105	17110	0.11	ppbv #	70

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

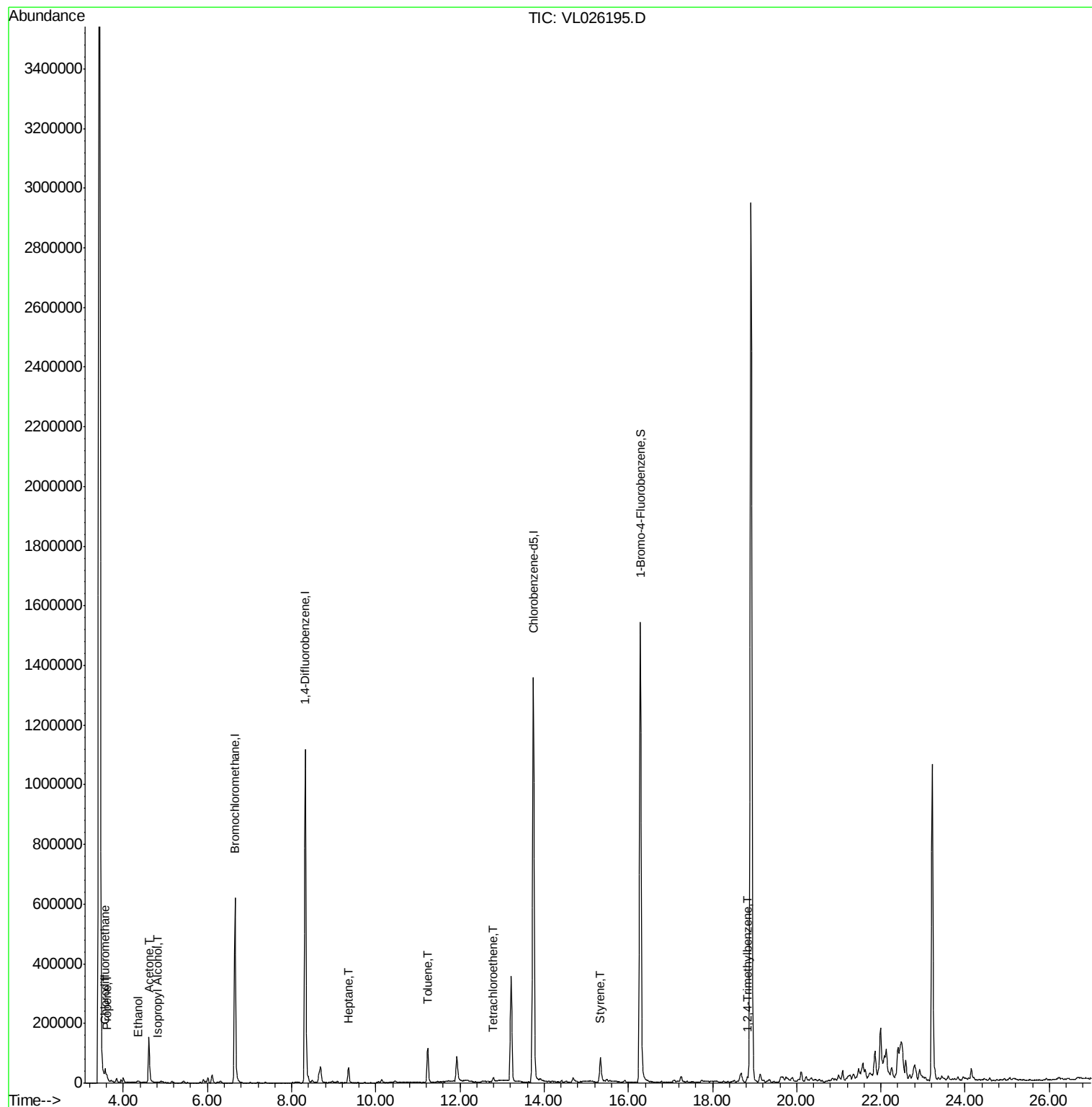
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL100915\
Data File : VL026195.D
Acq On : 10 Oct 2015 3:36
Operator : SY/MD
Sample : G3925-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

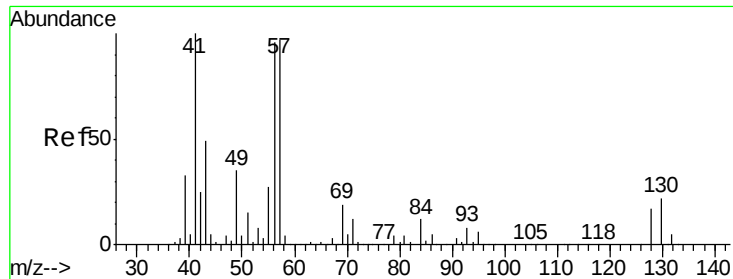
Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

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10/13/2015 1:17:57 PM

Quant Time: Oct 12 11:04:53 2015
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL100915AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct
QLast Update : Fri Oct 09 16:23:14 2015
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.65 min Scan# 585

Delta R.T. -0.01 min

Lab File: VL026195.D

Acq: 10 Oct 2015 3:36

Instrument :

MSVOA_L

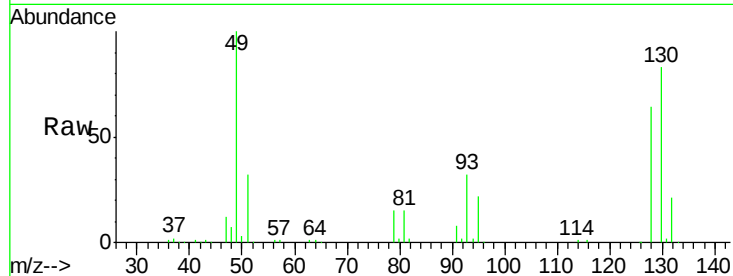
ClientSampled :

SG-1DL

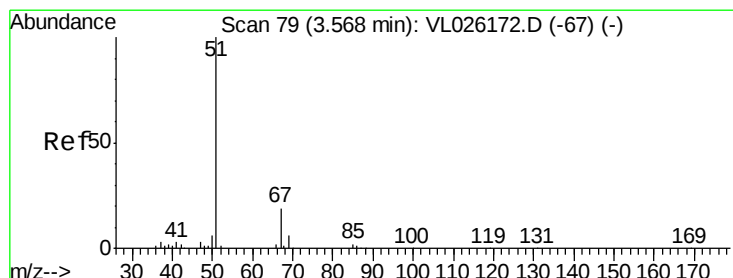
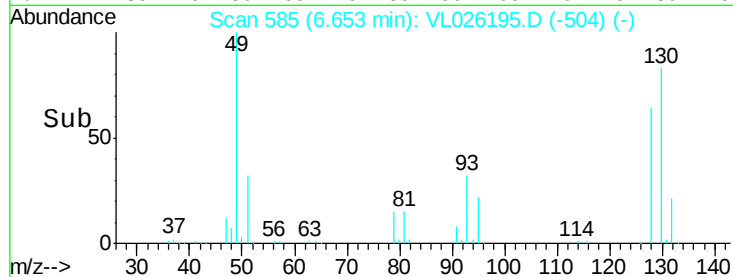
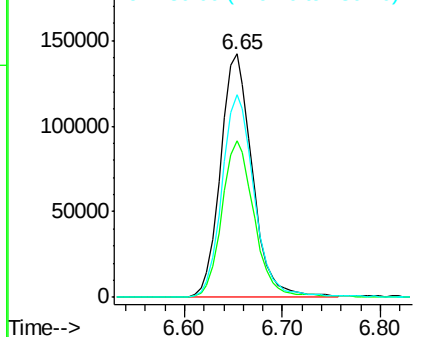
Tot Ion:	49	Resp:	321770
Ion Ratio	Lower	Upper	
49	100		
128	65.7	26.3	78.8
130	85.0	34.2	102.5

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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: 0.92 ppbv m

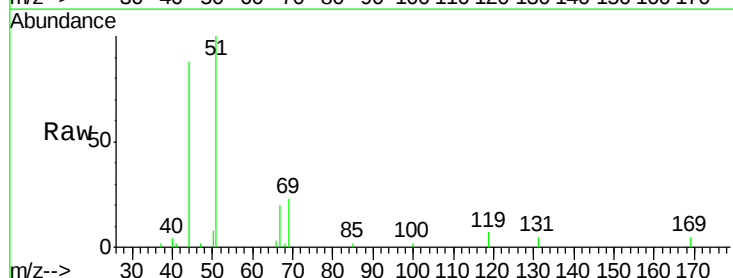
RT: 3.57 min Scan# 80

Delta R.T. 0.01 min

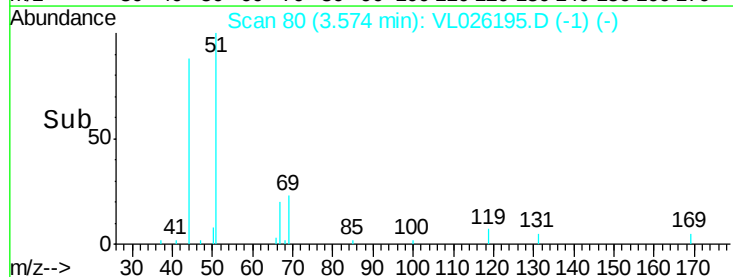
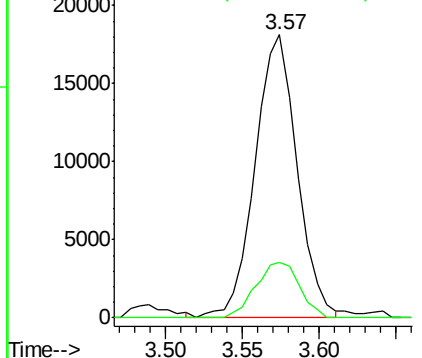
Lab File: VL026195.D

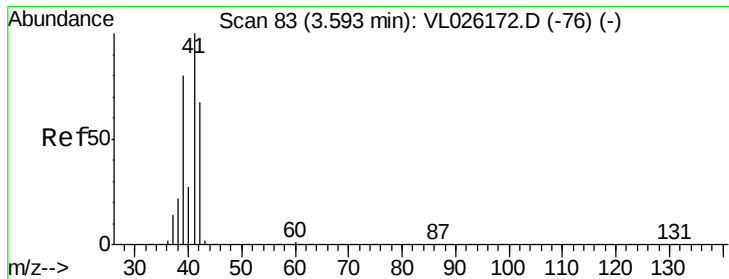
Acq: 10 Oct 2015 3:36

Tgt Ion:	51	Resp:	34422
Ion Ratio	Lower	Upper	
51	100		
67	20.3	14.9	22.3



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.28 ppbv

RT: 3.61 min Scan# 86

Delta R.T. 0.02 min

Lab File: VL026195.D

Acq: 10 Oct 2015 3:36

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 41 Resp: 4767

Ion Ratio Lower Upper

41 100

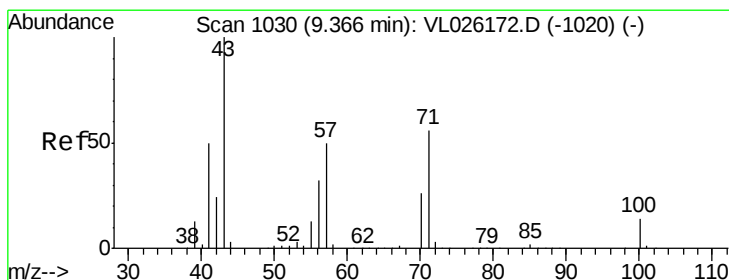
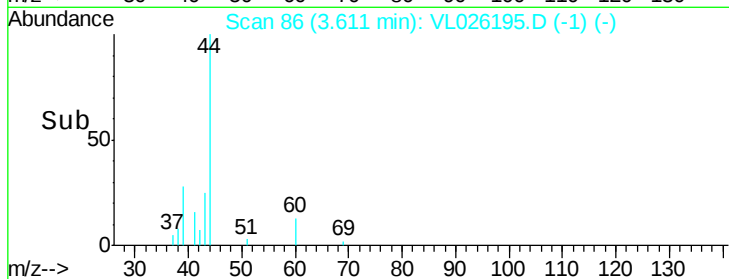
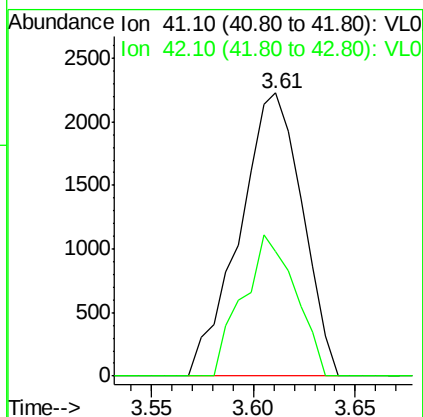
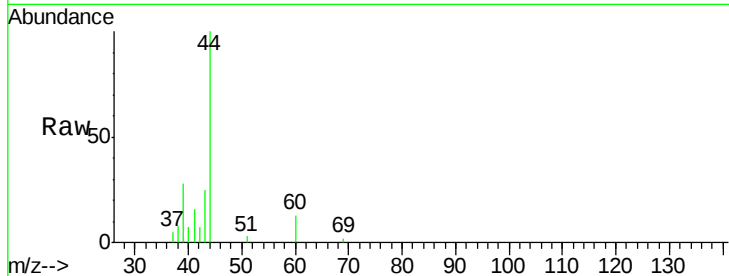
42 42.0 53.6 80.4#

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#10

Heptane

Concen: 0.46 ppbv

RT: 9.35 min Scan# 1028

Delta R.T. -0.01 min

Lab File: VL026195.D

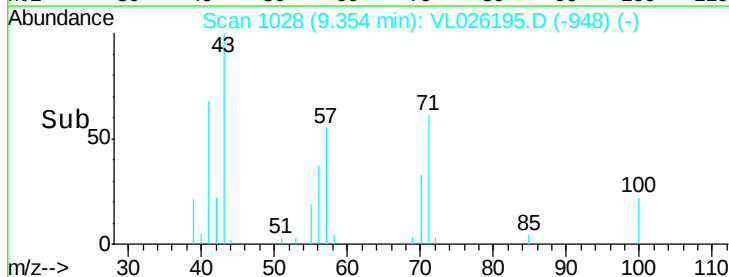
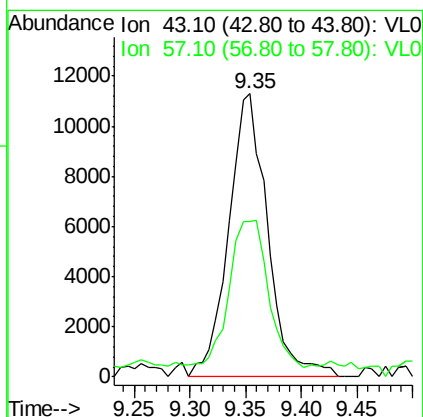
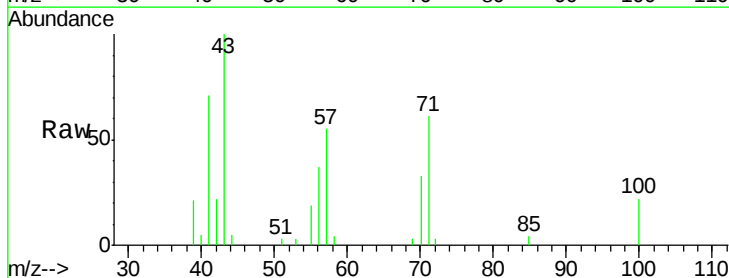
Acq: 10 Oct 2015 3:36

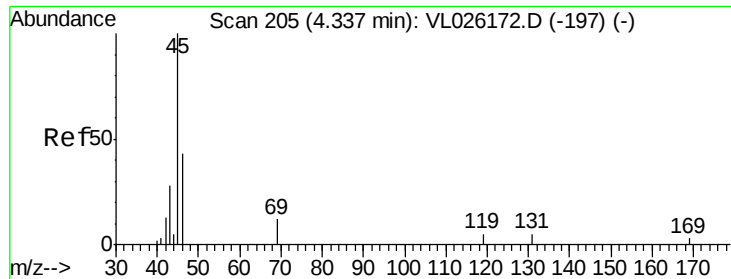
Tgt Ion: 43 Resp: 27396

Ion Ratio Lower Upper

43 100

57 59.0 41.8 62.8





#13

Ethanol

Concen: 2.09 ppbv

RT: 4.36 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL026195.D

Acq: 10 Oct 2015 3:36

Tot Ion: 45 Resp: 5299

Ion Ratio Lower Upper

45 100

46 31.2 18.1 72.5

Instrument :

MSVOA_L

ClientSampleId :

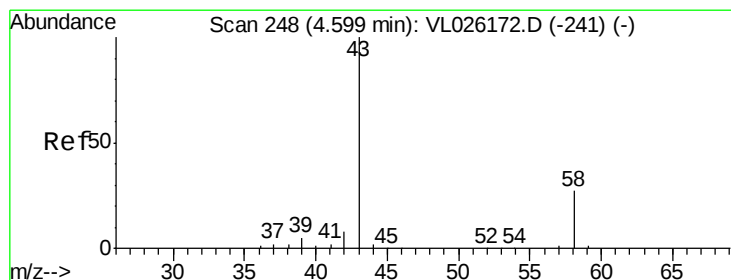
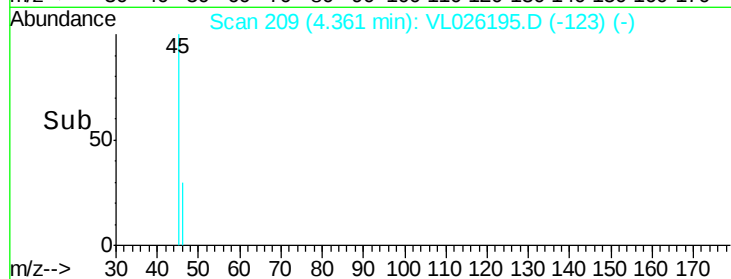
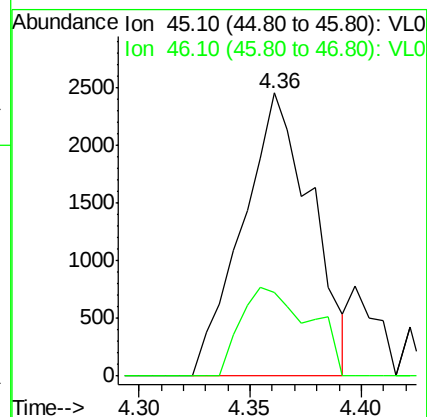
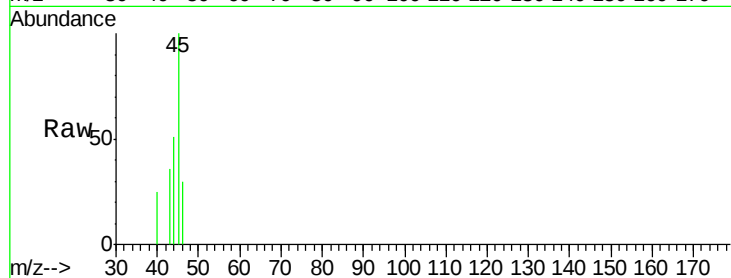
SG-1DL

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#15

Acetone

Concen: 5.17 ppbv

RT: 4.60 min Scan# 249

Delta R.T. 0.01 min

Lab File: VL026195.D

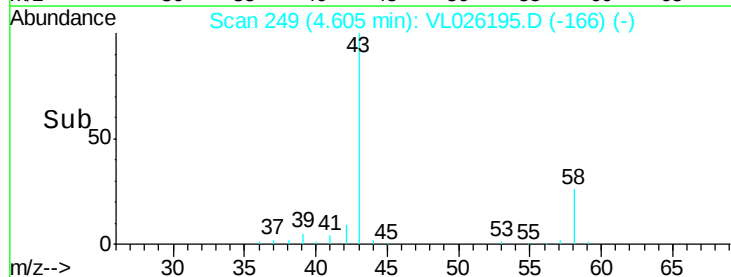
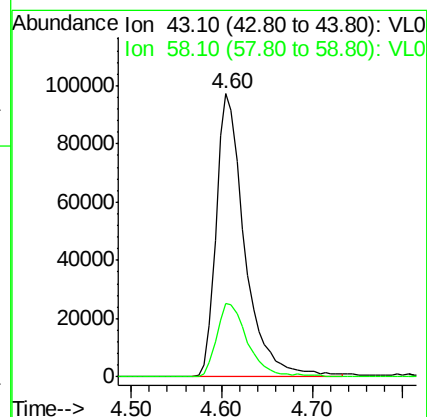
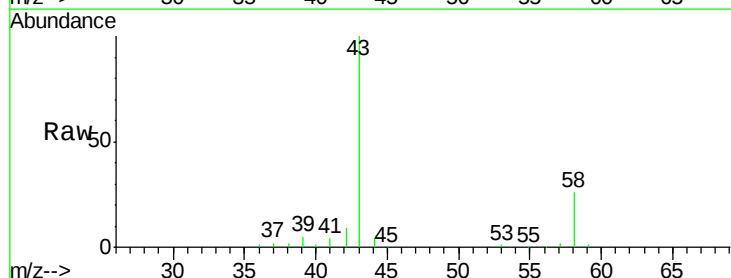
Acq: 10 Oct 2015 3:36

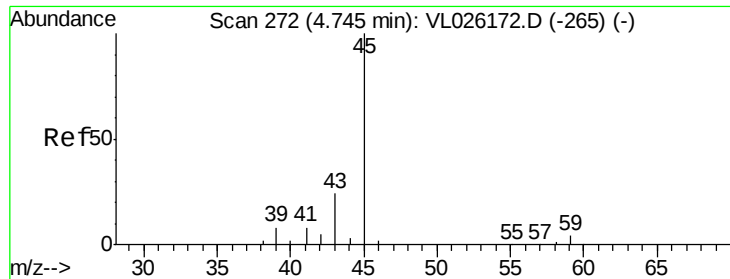
Tgt Ion: 43 Resp: 215114

Ion Ratio Lower Upper

43 100

58 28.1 22.0 33.0





#19

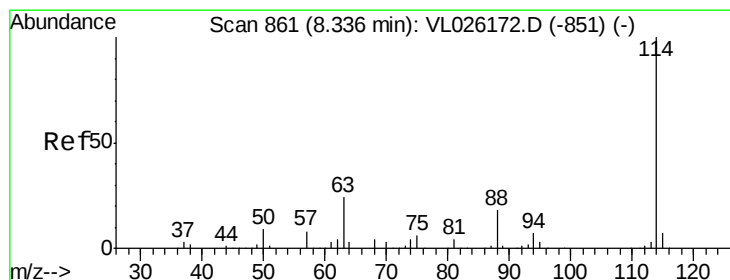
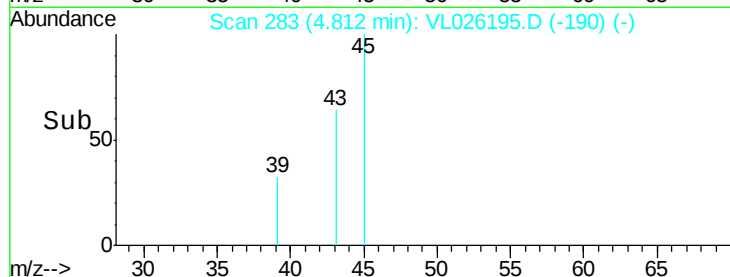
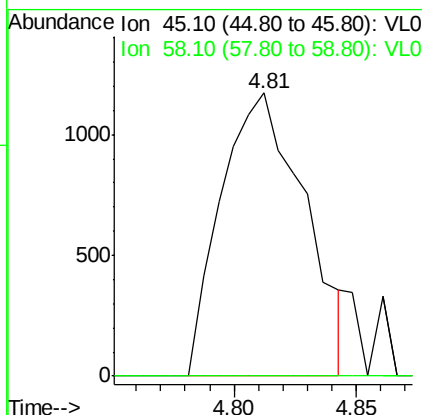
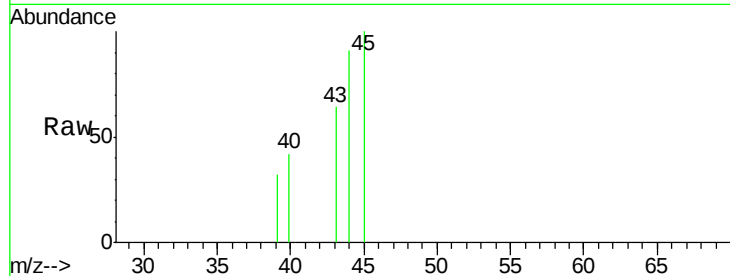
Isopropyl Alcohol
 Concen: 0.17 ppbv
 RT: 4.81 min Scan# 283
 Delta R.T. 0.07 min
 Lab File: VL026195.D
 Acq: 10 Oct 2015 3:36

Instrument :
 MSVOA_L
 ClientSampleID :
 SG-1DL

Tot Ion: 45 Resp: 2785
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.7 2.5#

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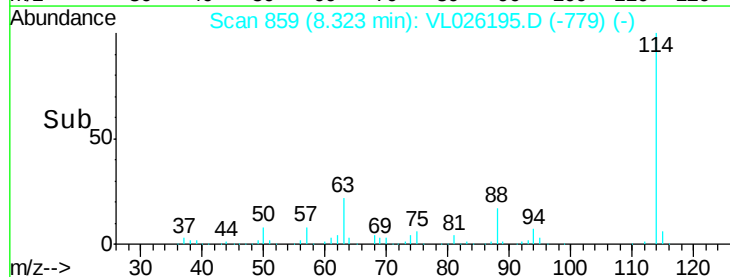
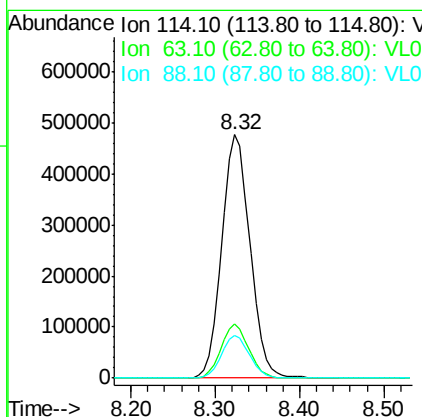
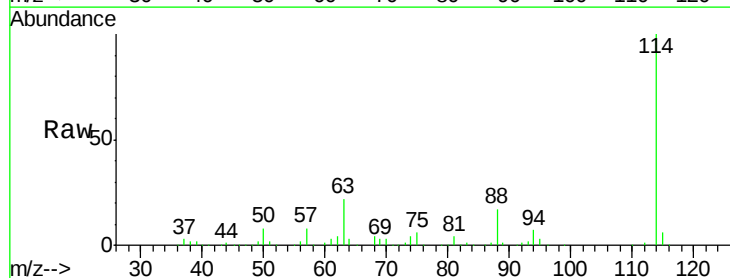
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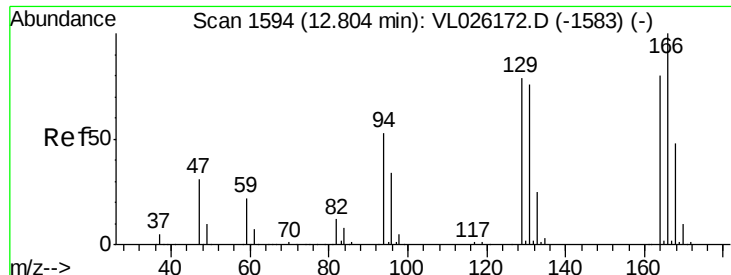


#33

1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 8.32 min Scan# 859
 Delta R.T. -0.01 min
 Lab File: VL026195.D
 Acq: 10 Oct 2015 3:36

Tgt Ion: 114 Resp: 1090198
 Ion Ratio Lower Upper
 114 100
 63 21.9 19.0 28.6
 88 17.4 13.8 20.8





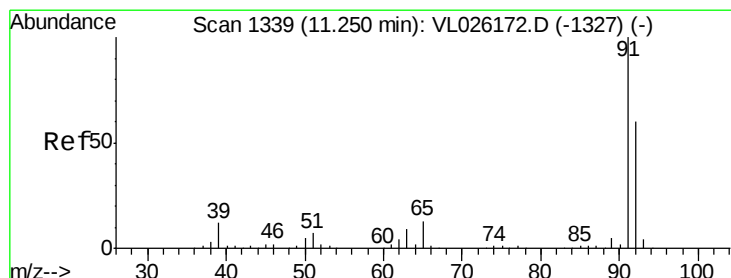
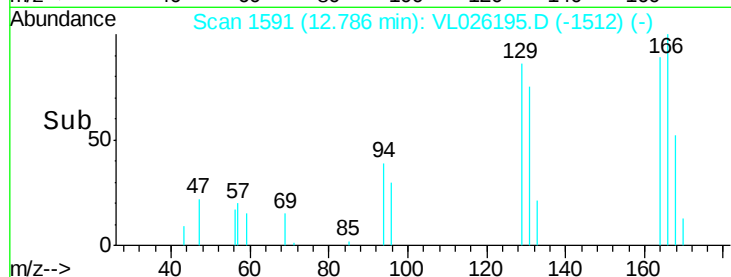
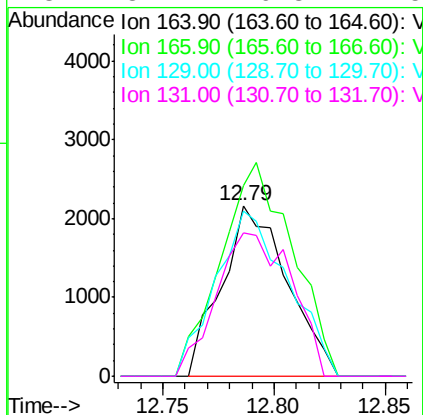
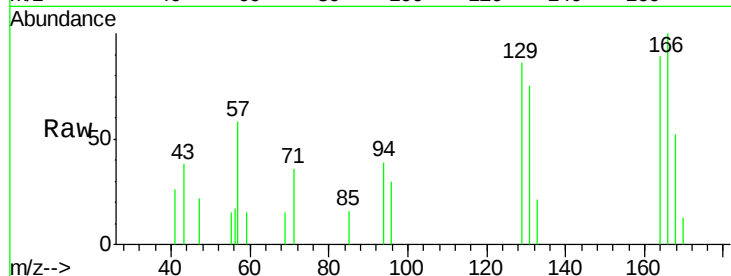
#52
Tetrachloroethene
Concen: 0.09 ppbv
RT: 12.79 min Scan# 1591
Delta R.T. -0.02 min
Lab File: VL026195.D
Acq: 10 Oct 2015 3:36

Instrument :
MSVOA_L
ClientSampled :
SG-1DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	112.2	99.9	149.9
129	96.7	79.1	118.7
131	84.4	76.3	114.5

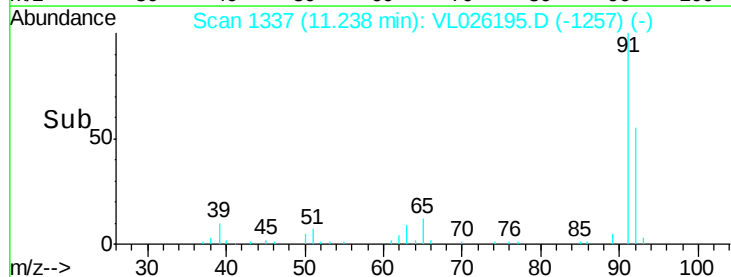
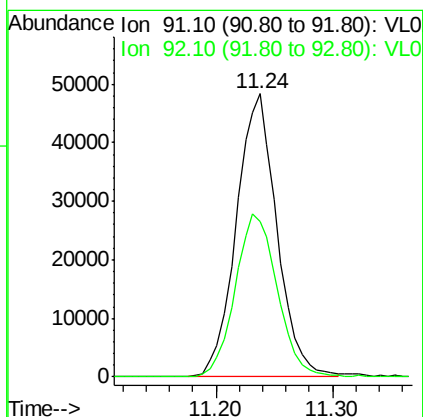
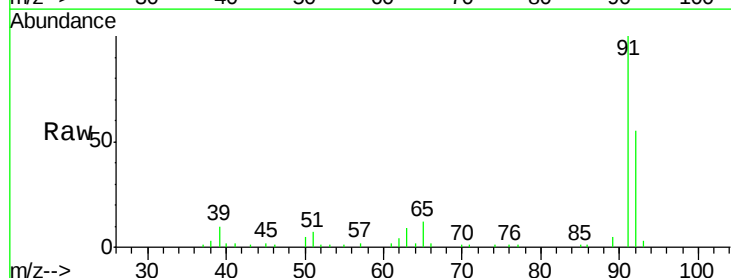
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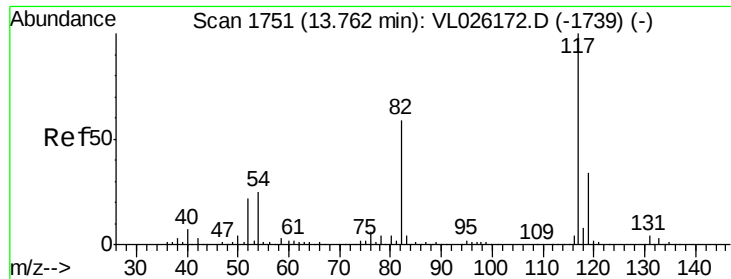
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#53
Toluene
Concen: 0.87 ppbv
RT: 11.24 min Scan# 1337
Delta R.T. -0.01 min
Lab File: VL026195.D
Acq: 10 Oct 2015 3:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.5	48.5	72.7





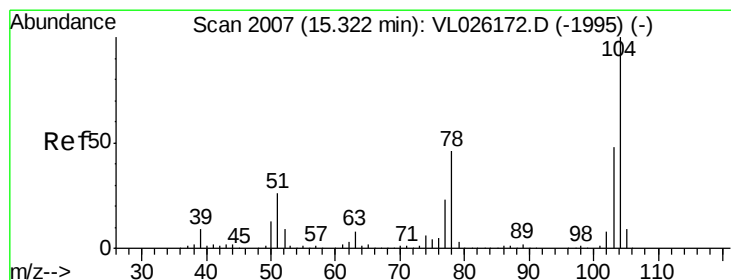
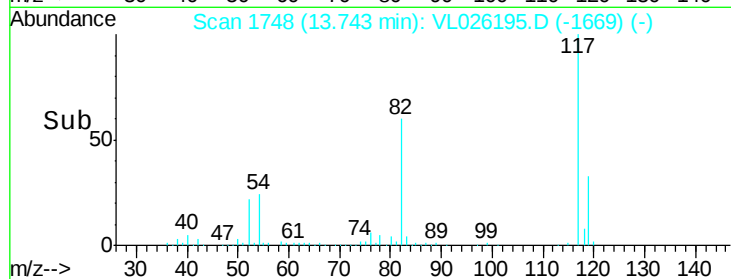
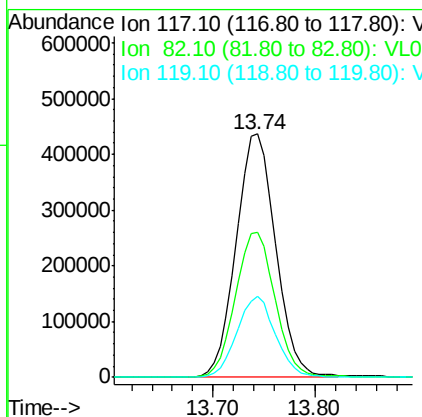
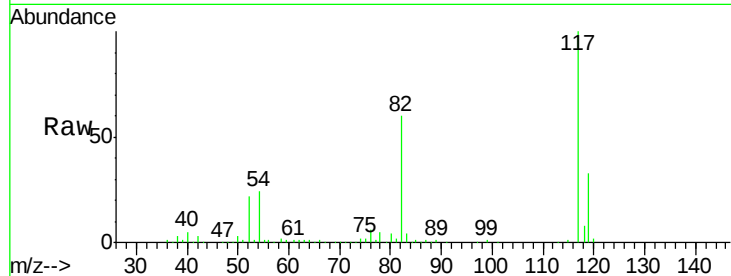
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.74 min Scan# 1748
Delta R.T. -0.02 min
Lab File: VL026195.D
Acq: 10 Oct 2015 3:36

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.7	71.5
119	32.8	43.7	65.5#

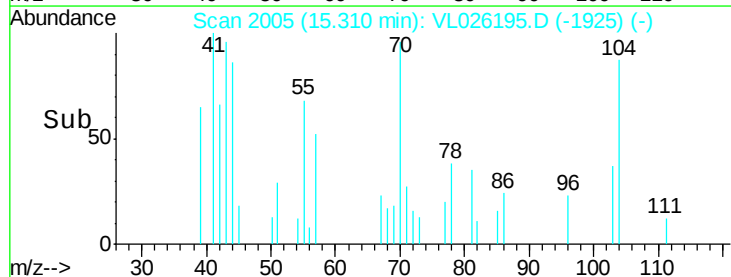
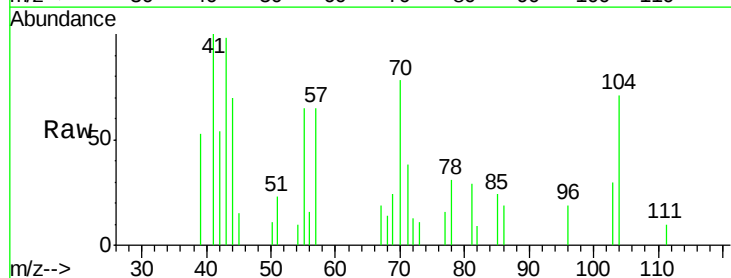
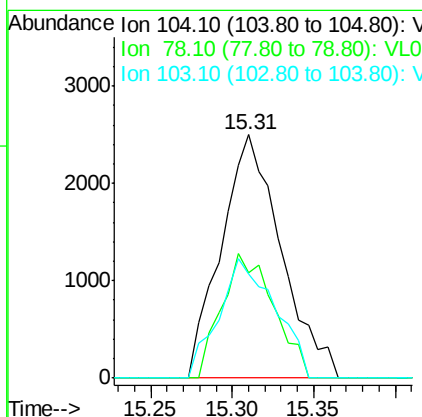
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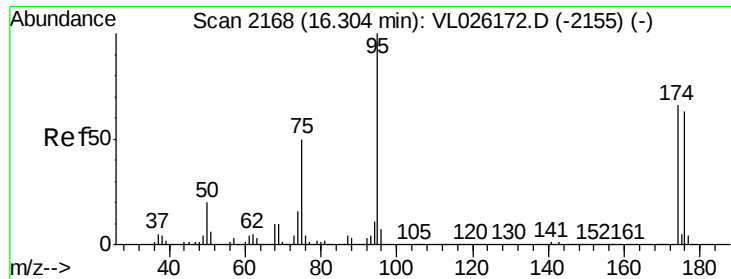
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#61
Styrene
Concen: 0.11 ppbv
RT: 15.31 min Scan# 2005
Delta R.T. -0.01 min
Lab File: VL026195.D
Acq: 10 Oct 2015 3:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	44.4	36.1	54.1
103	46.0	37.5	56.3





#68

1-Bromo-4-Fluorobenzene

Concen: 10.66 ppbv

RT: 16.29 min Scan# 2165

Delta R.T. -0.02 min

Lab File: VL026195.D

Acq: 10 Oct 2015 3:36

Instrument :

MSVOA_L

ClientSampleID :

SG-1DL

Tot Ion: 95 Resp: 964508
Ion Ratio Lower Upper

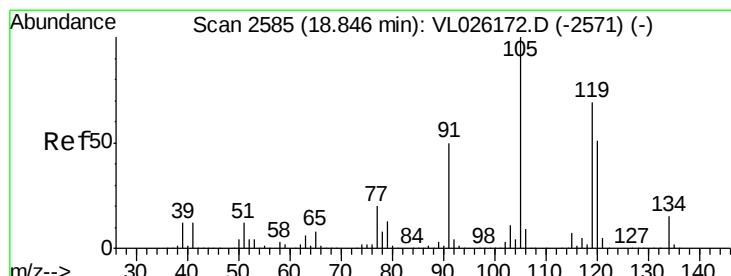
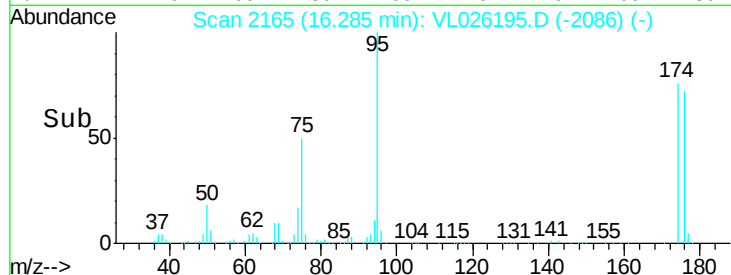
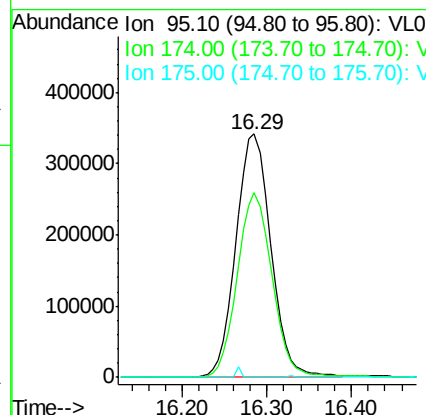
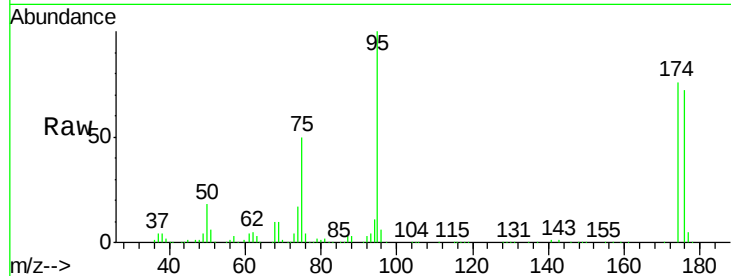
95 100

174 76.0 52.2 78.4

175 0.2 3.9 5.9#

Manual Integrations
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#74

1,2,4-Trimethylbenzene

Concen: 0.11 ppbv

RT: 18.83 min Scan# 2582

Delta R.T. -0.02 min

Lab File: VL026195.D

Acq: 10 Oct 2015 3:36

Tgt Ion: 105 Resp: 17110
Ion Ratio Lower Upper

105 100

120 47.4 41.1 61.7

91 8.5 39.8 59.6#

77 11.3 16.3 24.5#

