

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027192.D
 Acq On : 16 Sep 2015 5:20
 Operator : MD\FY
 Sample : G3629-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0099

Manual Integrations
 APPROVED

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 9/16/2015 11:48:03 AM

Quant Time: Sep 16 05:47:01 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	798917	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1422794	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	1197234	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	416325	50.00	ug/l	0.00
System Monitoring Compounds						
34) 1,2-Dichloroethane-d4	8.12	65	769351	47.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.00%	
36) Dibromofluoromethane	7.68	113	512385	51.95	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.90%	
51) Toluene-d8	10.19	98	2064324	53.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.92%	
63) 4-Bromofluorobenzene	12.52	95	693164	50.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.14%	
Target Compounds						
4) Chloromethane	2.01	50	3519	1.43	ug/l	Qvalue # 84
5) Vinyl Chloride	2.14	62	522109	46.25	ug/l	99
13) 1,1-Dichloroethene	3.76	96	4002m	0.39	ug/l	
22) trans-1,2-Dichloroethene	5.13	96	38061	3.43	ug/l	99
25) 1,1-Dichloroethane	5.93	63	49505	1.96	ug/l	97
28) cis-1,2-Dichloroethene	6.92	96	1365550	107.31	ug/l	91
41) Benzene	8.14	78	40022	0.82	ug/l	95
45) Trichloroethene	8.94	130	4258	0.44	ug/l	97
66) Chlorobenzene	11.54	112	311011	11.00	ug/l	100
88) 1,3-Dichlorobenzene	13.41	146	7878	0.51	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	122148	7.83	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	119620	7.86	ug/l	98

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

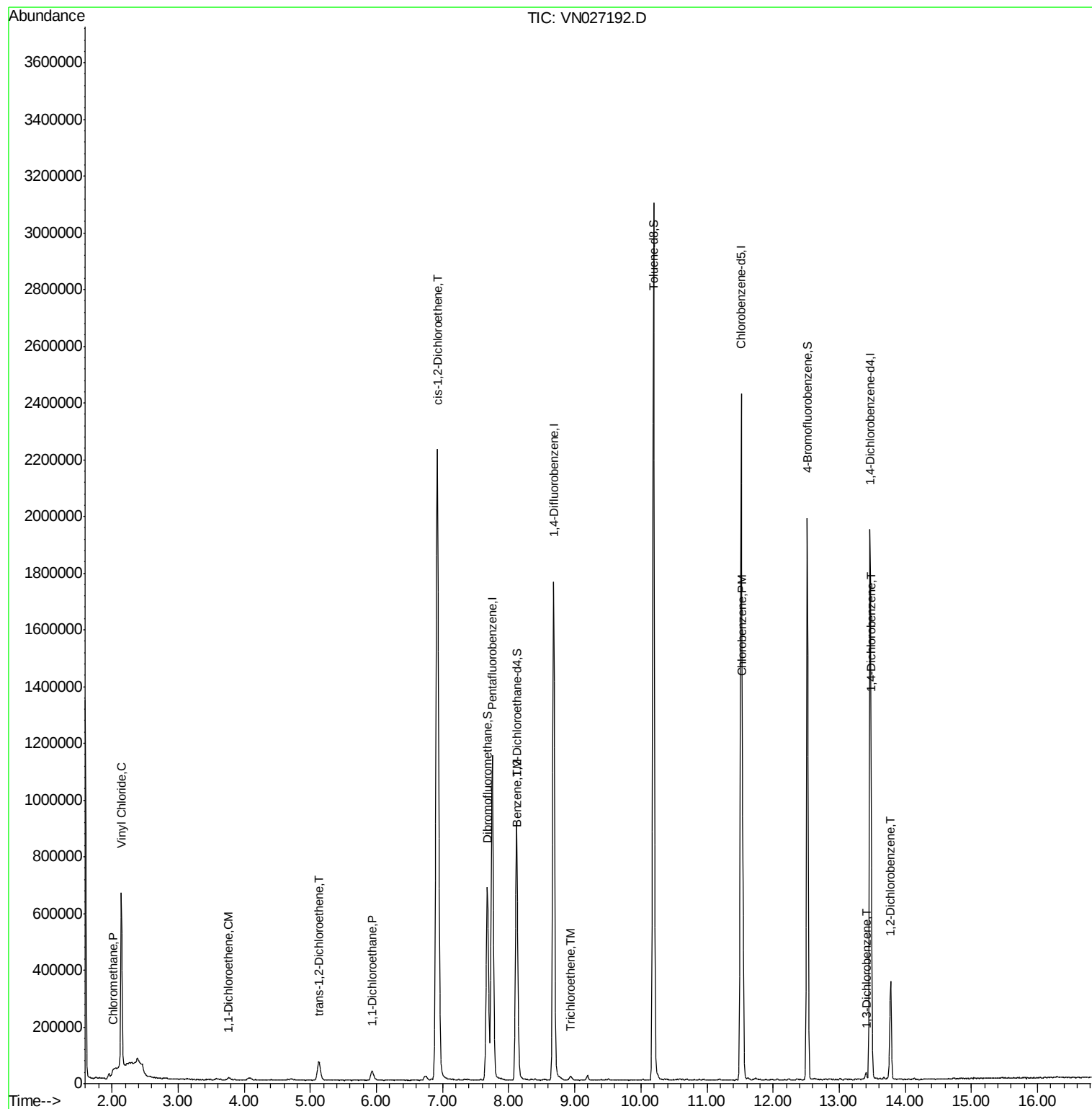
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
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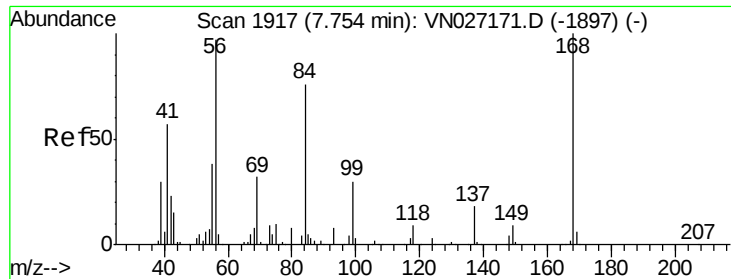
Instrument :
MSVOA_N
ClientSampleId :
S39-0099

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Quant Time: Sep 16 05:47:01 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. -0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

Instrument :

MSVOA_N

ClientSampleId :

S39-0099

Tot Ion:168 Resp: 798917

Ion Ratio Lower Upper

168 100

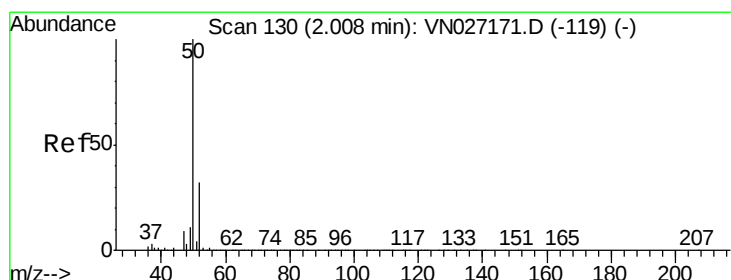
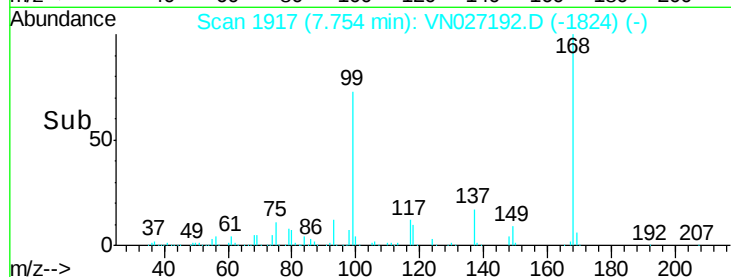
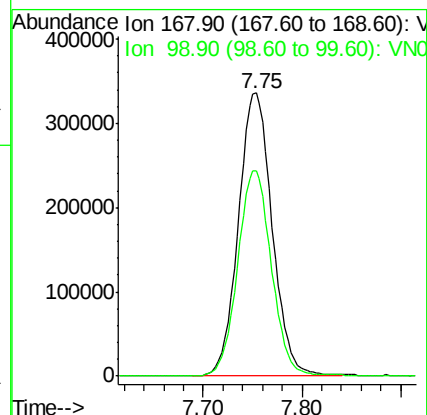
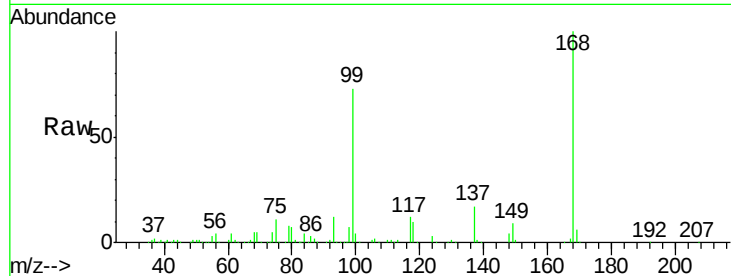
99 72.6 50.4 75.6

Manual Integrations

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#4

Chloromethane

Concen: 1.43 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027192.D

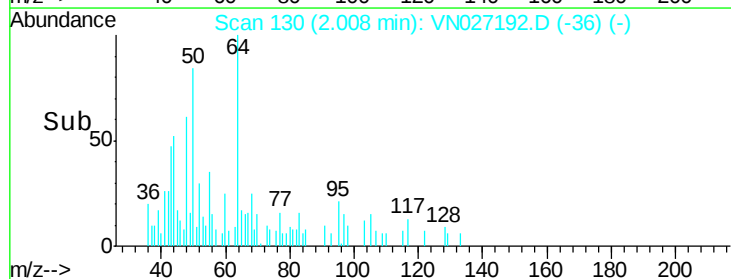
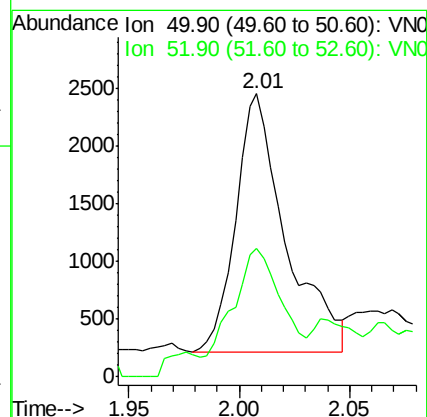
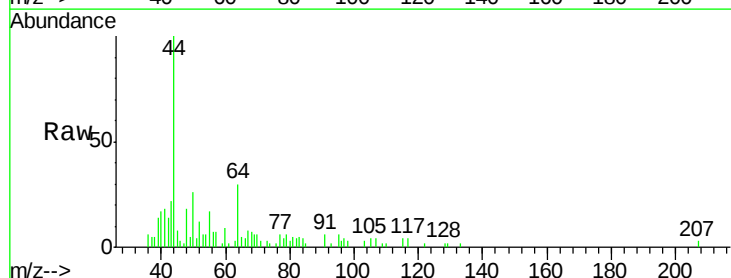
Acq: 16 Sep 2015 5:20

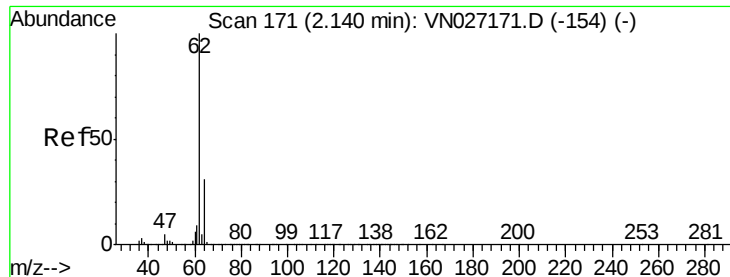
Tgt Ion: 50 Resp: 3519

Ion Ratio Lower Upper

50 100

52 41.3 25.9 38.9#





#5

Vinyl Chloride

Concen: 46.25 ug/l

RT: 2.14 min Scan# 172

Delta R.T. 0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

Instrument :

MSVOA_N

ClientSampled :

S39-0099

Tot Ion: 62 Resp: 522109

Ion Ratio Lower Upper

62 100

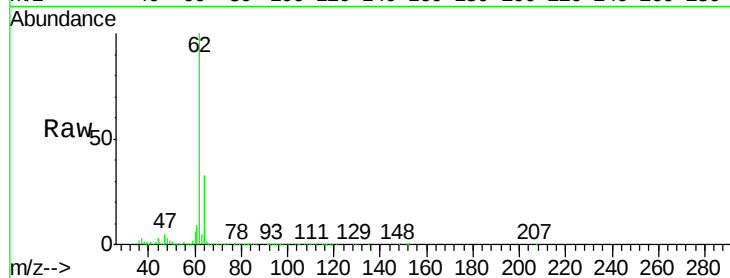
64 31.8 25.9 38.9

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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.14

400000

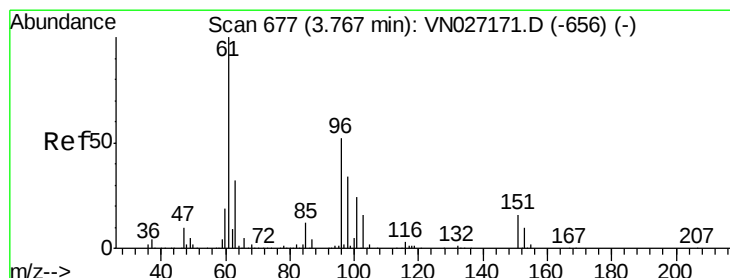
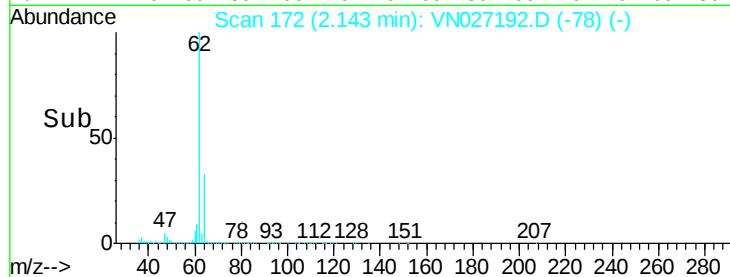
300000

200000

100000

0

Time-->



#13

1,1-Dichloroethene

Concen: 0.39 ug/l m

RT: 3.76 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

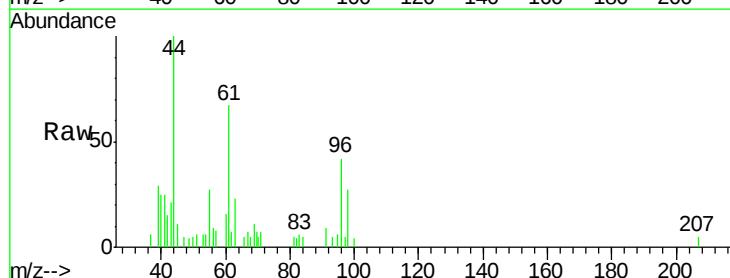
Tgt Ion: 96 Resp: 4002

Ion Ratio Lower Upper

96 100

61 160.8 143.8 215.8

98 64.1 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

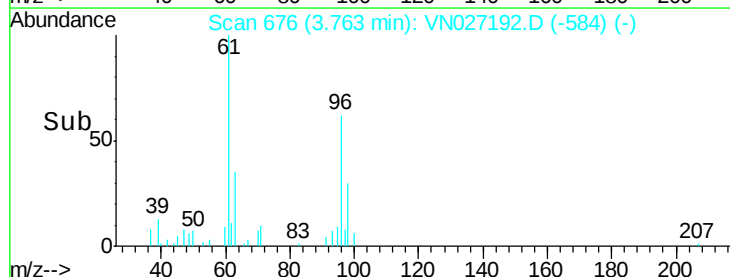
3000

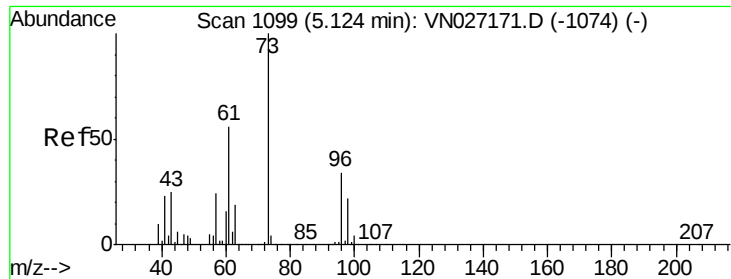
2000

1000

0

Time-->





#22

trans-1,2-Dichloroethene

Concen: 3.43 ug/l

RT: 5.13 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

Instrument :

MSVOA_N

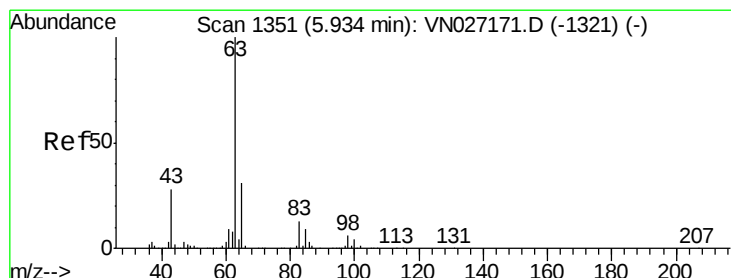
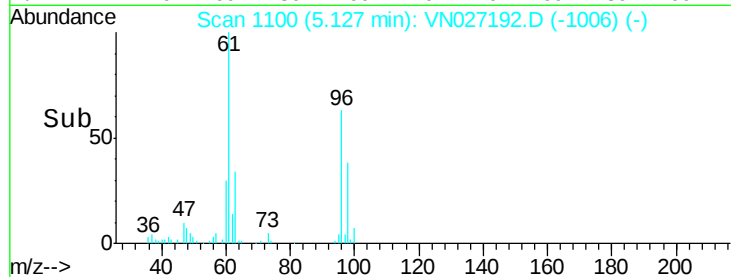
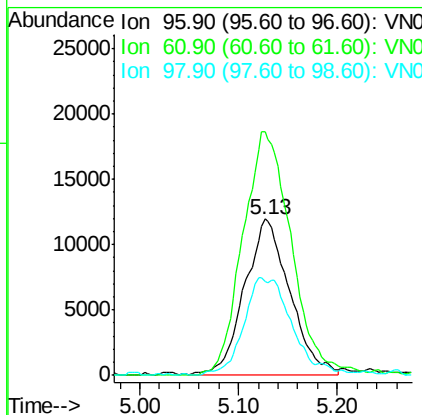
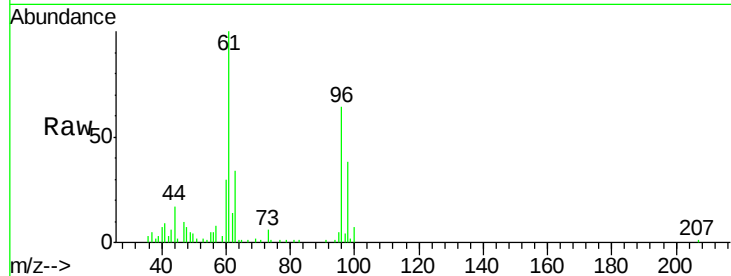
ClientSampled :

S39-0099

Tot Ion:	96	Resp:	38061
Ion	Ratio	Lower	Upper
96	100		
61	156.0	126.6	189.8
98	60.0	47.4	71.2

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#25

1,1-Dichloroethane

Concen: 1.96 ug/l

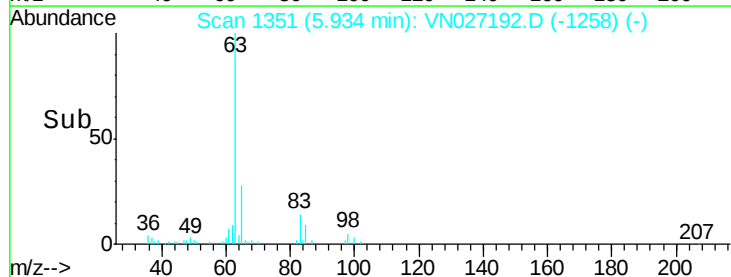
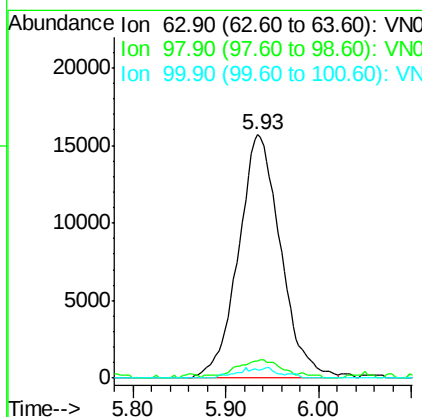
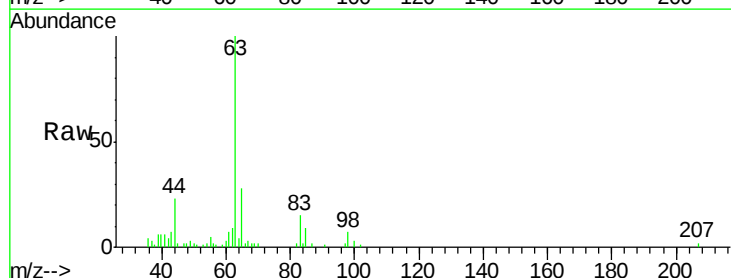
RT: 5.93 min Scan# 1351

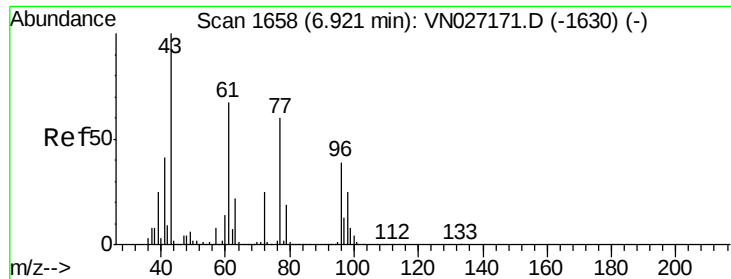
Delta R.T. -0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

Tgt Ion:	63	Resp:	49505
Ion	Ratio	Lower	Upper
63	100		
98	7.2	2.8	8.3
100	3.2	1.7	5.0





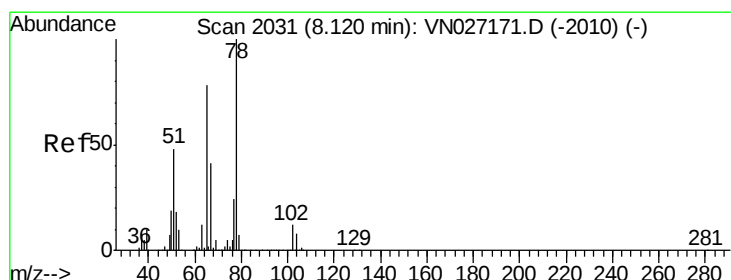
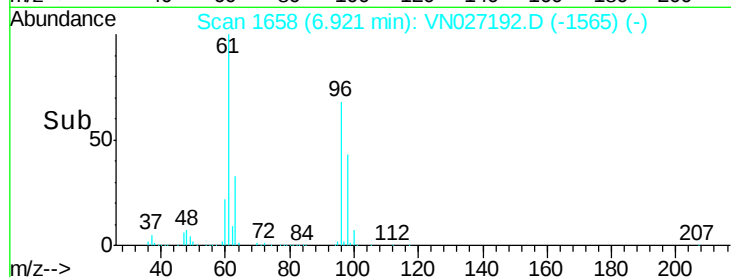
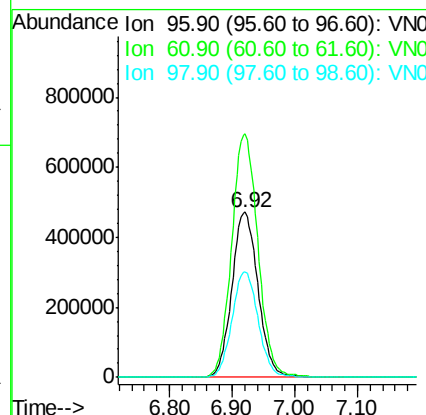
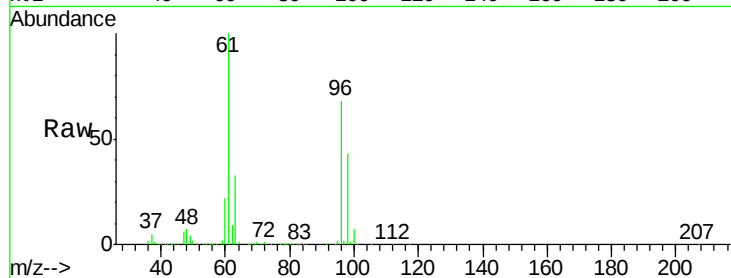
#28
 cis-1,2-Dichloroethene
 Concen: 107.31 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. -0.00 min
 Lab File: VN027192.D
 Acq: 16 Sep 2015 5:20

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0099

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	147.7	0.0	329.2		
98	64.0	0.0	126.0		

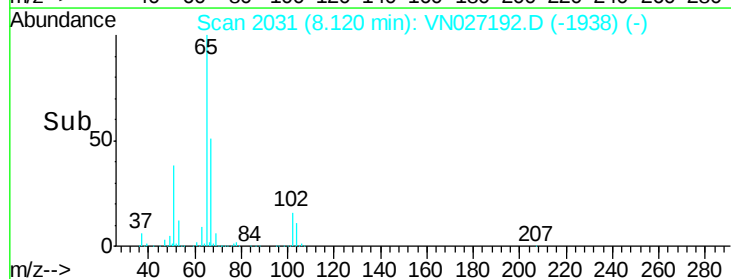
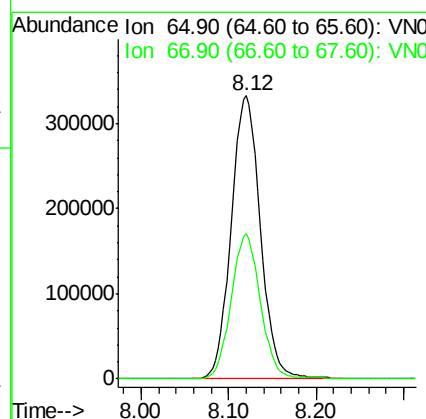
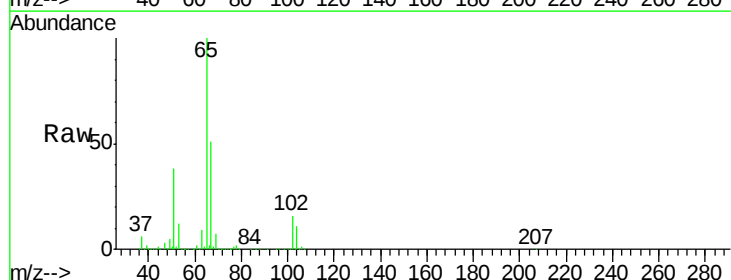
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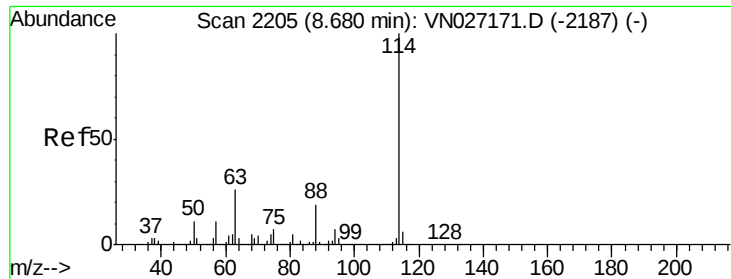
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#34
 1,2-Dichloroethane-d4
 Concen: 47.00 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: VN027192.D
 Acq: 16 Sep 2015 5:20

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100				
67	51.1	0.0	110.6		





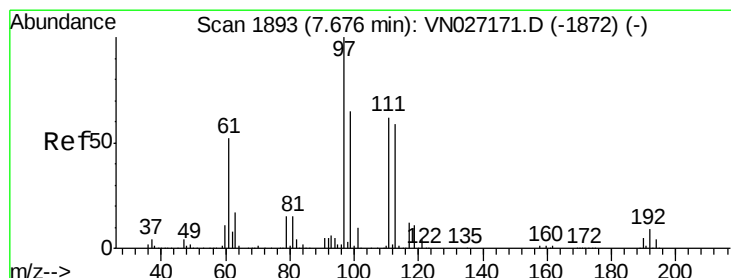
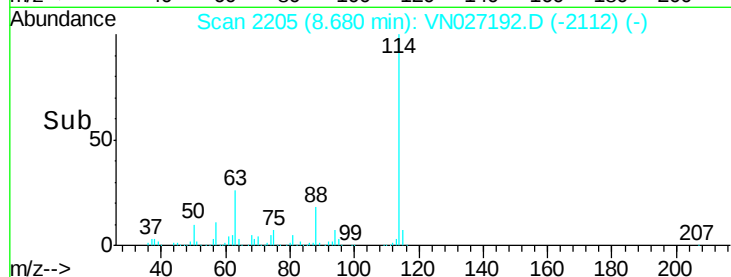
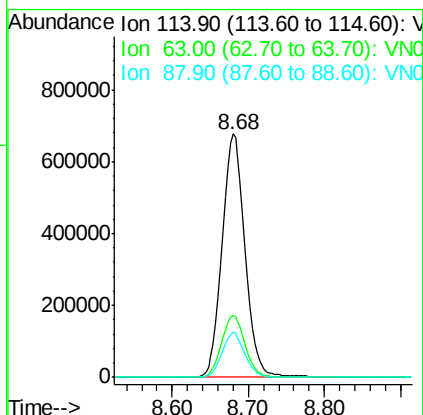
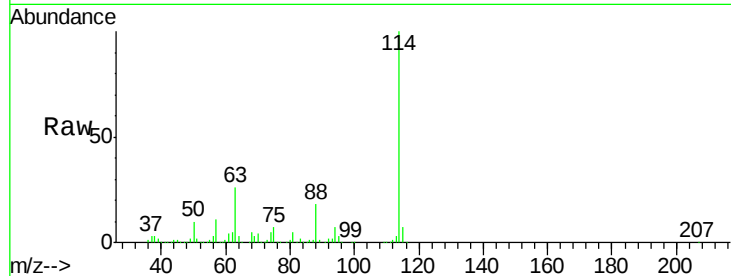
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VN027192.D
 Acq: 16 Sep 2015 5:20

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0099

Tot Ion	Ratio	Resp	Lower	Upper
114	100	1422794		
63	25.6		0.0	48.8
88	18.4		0.0	32.2

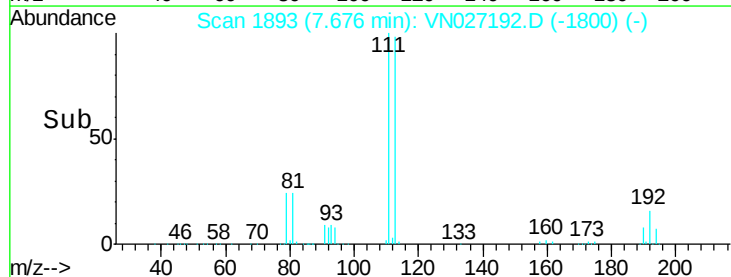
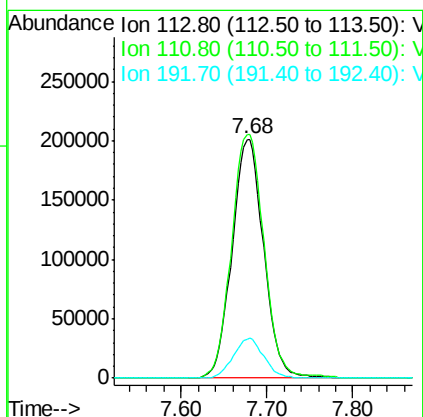
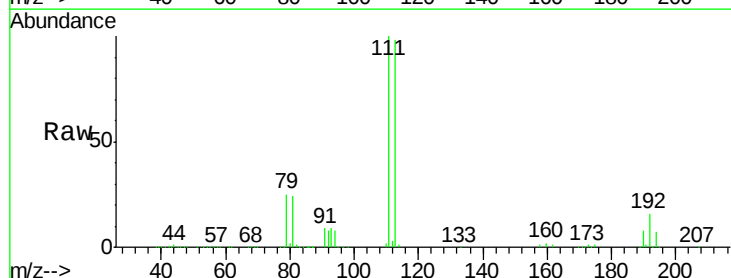
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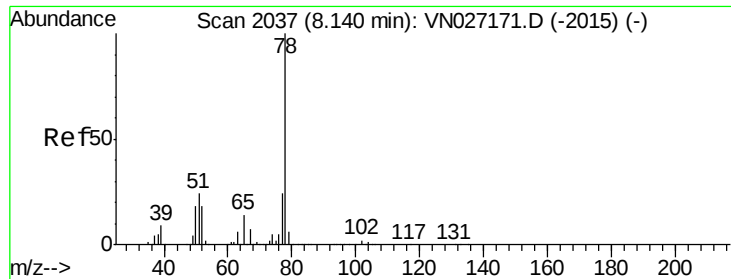
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#36
 Dibromofluoromethane
 Concen: 51.95 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. -0.00 min
 Lab File: VN027192.D
 Acq: 16 Sep 2015 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	512385		
111	105.4		83.0	124.4
192	16.1		14.1	21.1





#41

Benzene

Concen: 0.82 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

Instrument :

MSVOA_N

ClientSampleId :

S39-0099

Tot Ion: 78 Resp: 40022

Ion Ratio Lower Upper

78 100

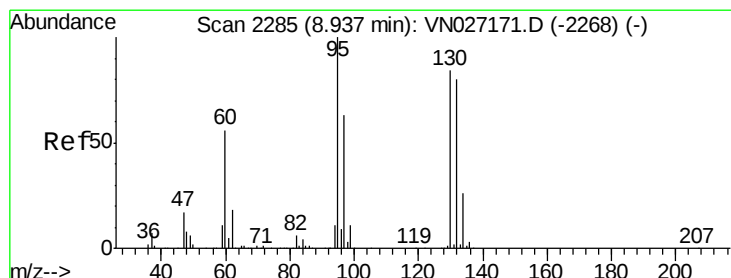
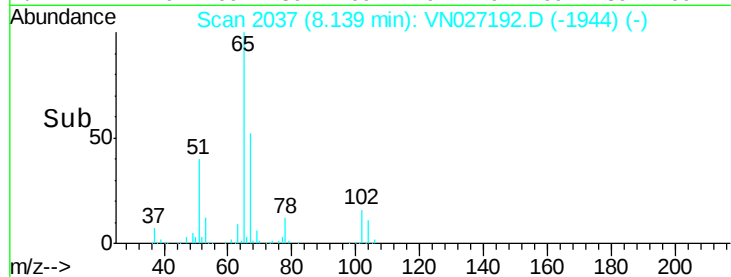
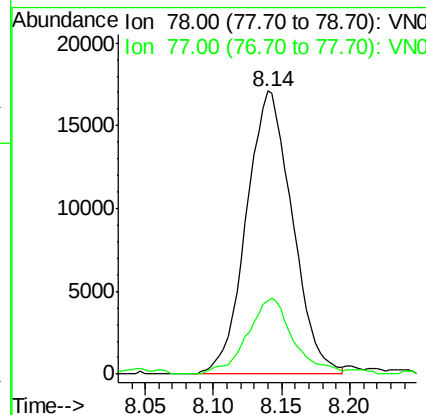
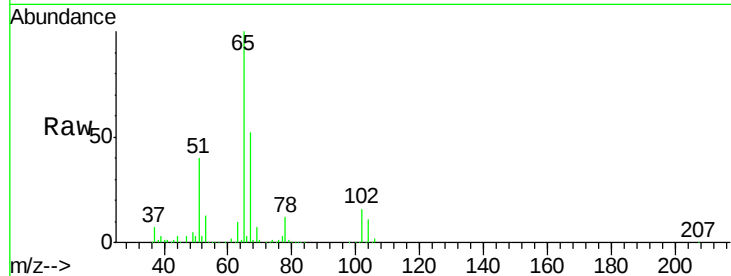
77 26.2 19.0 28.4

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#45

Trichloroethene

Concen: 0.44 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN027192.D

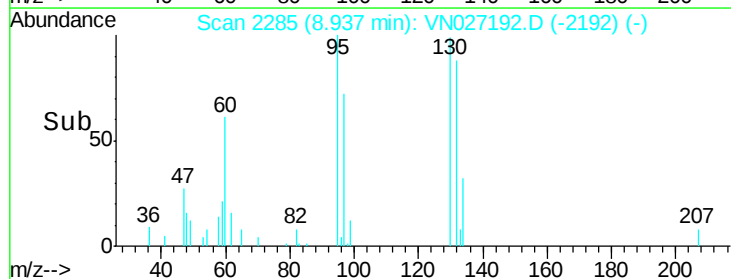
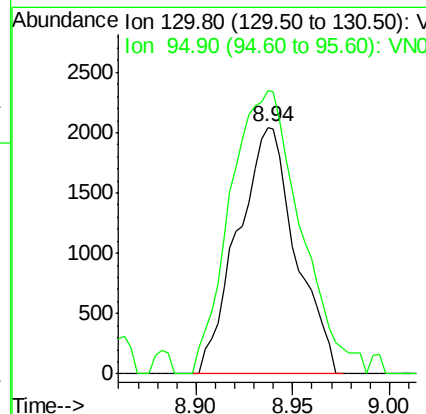
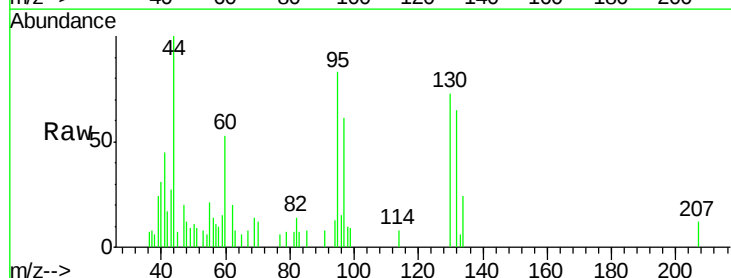
Acq: 16 Sep 2015 5:20

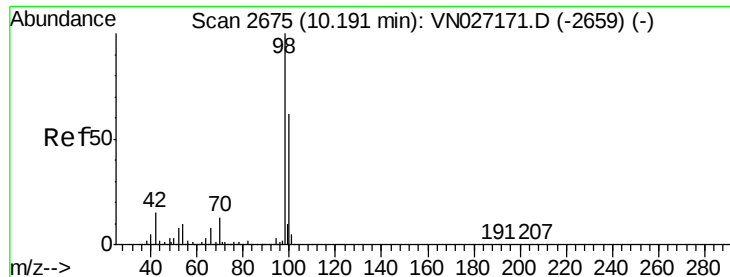
Tgt Ion: 130 Resp: 4258

Ion Ratio Lower Upper

130 100

95 114.8 0.0 222.2





#51

Toluene-d8

Concen: 53.46 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

Instrument :

MSVOA_N

ClientSampled :

S39-0099

Tot Ion: 98 Resp: 2064324

Ion Ratio Lower Upper

98 100

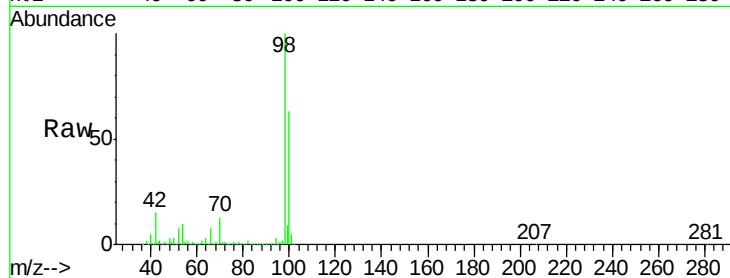
100 62.9 50.5 75.7

Manual Integrations

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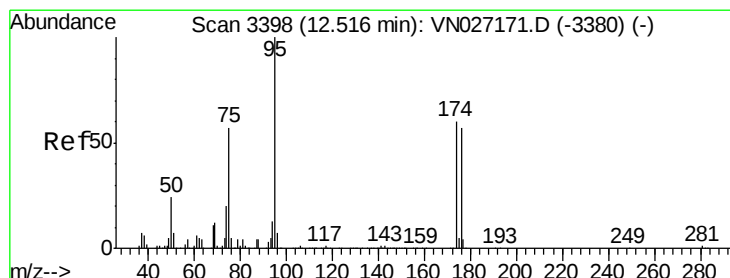
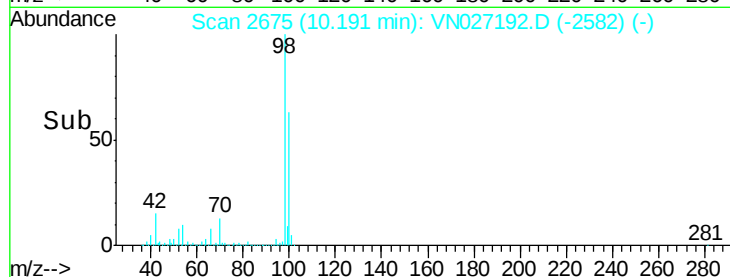
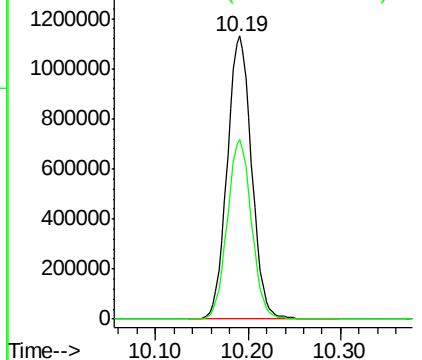
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#63

4-Bromofluorobenzene

Concen: 50.57 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

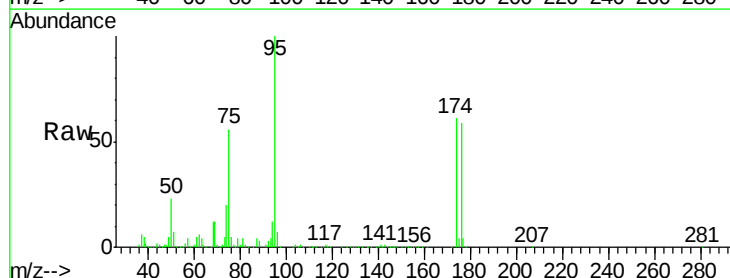
Tgt Ion: 95 Resp: 693164

Ion Ratio Lower Upper

95 100

174 61.9 0.0 137.0

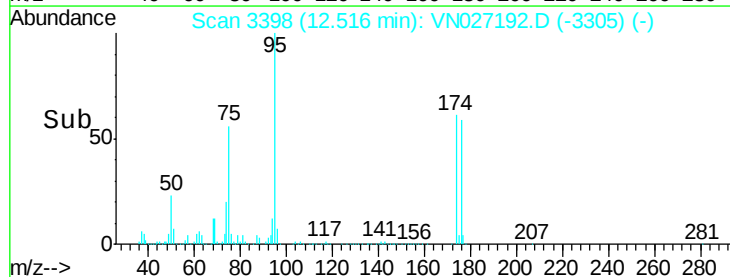
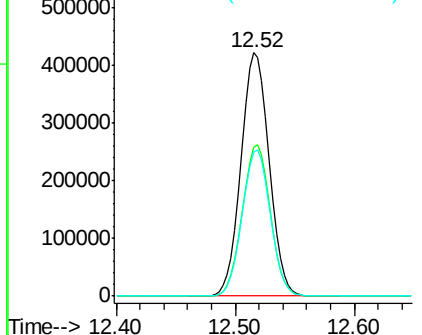
176 60.1 0.0 130.8

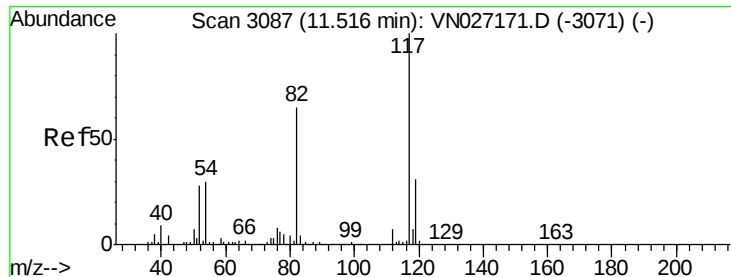


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





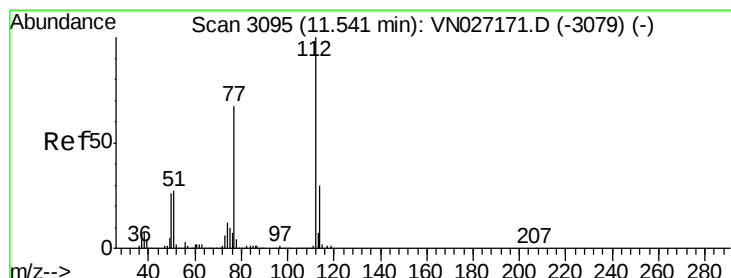
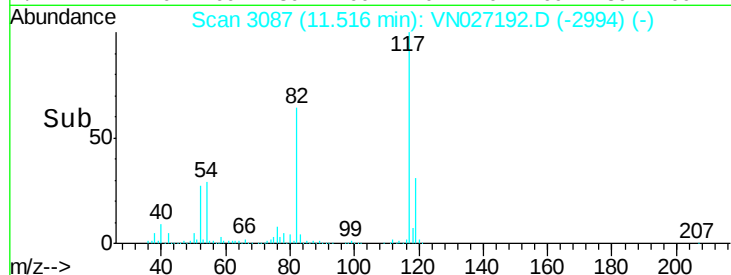
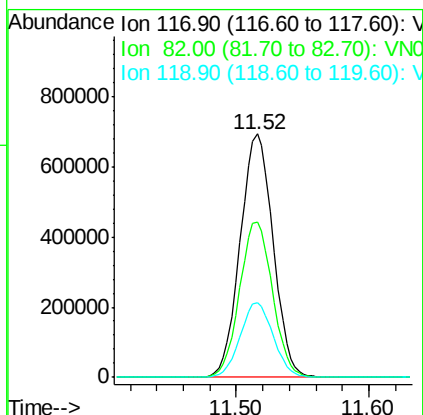
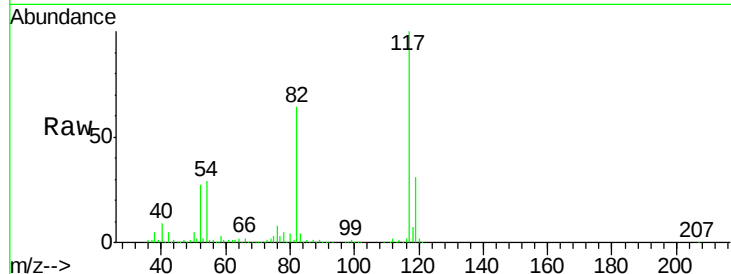
#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. -0.00 min
Lab File: VN027192.D
Acq: 16 Sep 2015 5:20

Instrument :
MSVOA_N
ClientSampleId :
S39-0099

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.8	49.6	74.4
119	30.8	24.6	36.8

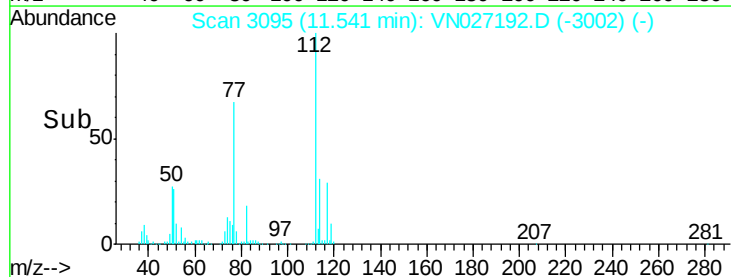
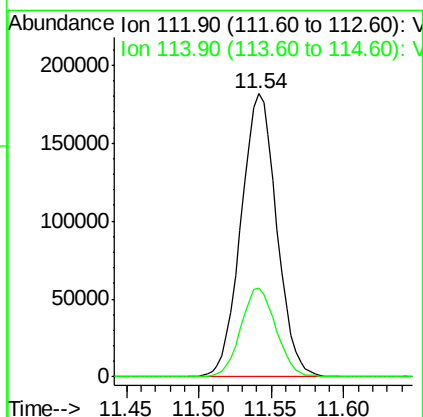
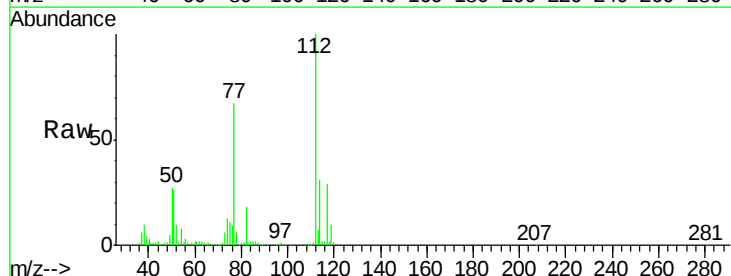
Manual Integrations
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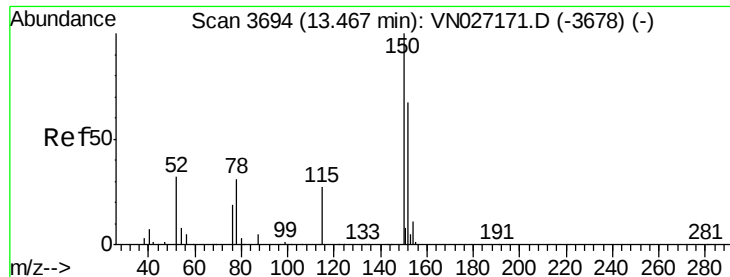
MMDadoda
9/16/2015 11:48:03 AM



#66
Chlorobenzene
Concen: 11.00 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VN027192.D
Acq: 16 Sep 2015 5:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.9	37.3





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

Instrument :

MSVOA_N

ClientSampled :

S39-0099

Tot Ion:152 Resp: 416325

Ion Ratio Lower Upper

152 100

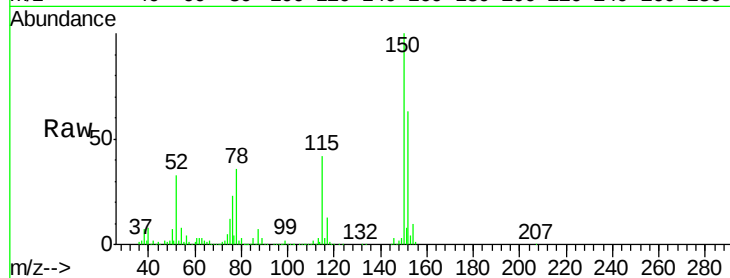
115 68.0 30.8 92.3

150 162.7 0.0 345.0

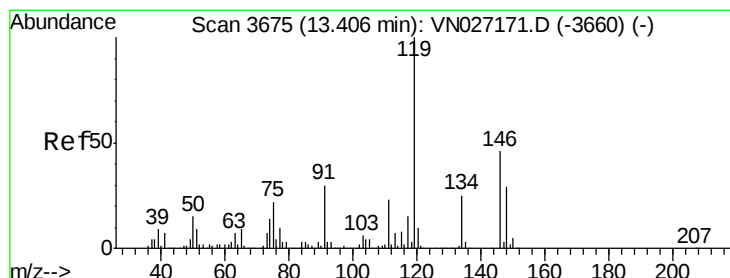
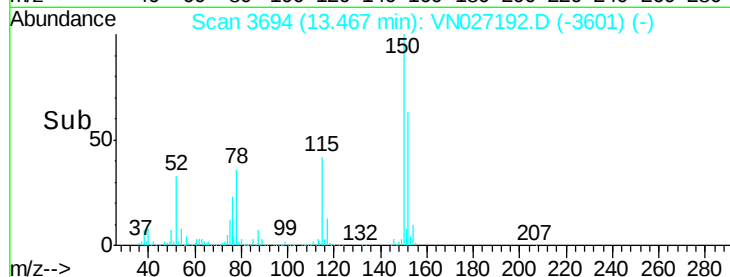
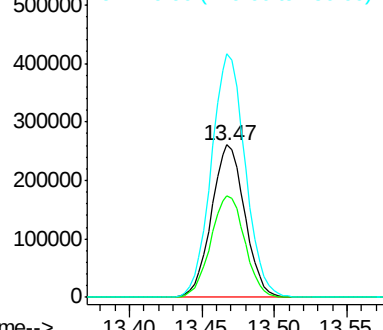
Manual Integrations
APPROVED

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9/16/2015 11:48:03 AM



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#88

1,3-Dichlorobenzene

Concen: 0.51 ug/l

RT: 13.41 min Scan# 3675

Delta R.T. -0.00 min

Lab File: VN027192.D

Acq: 16 Sep 2015 5:20

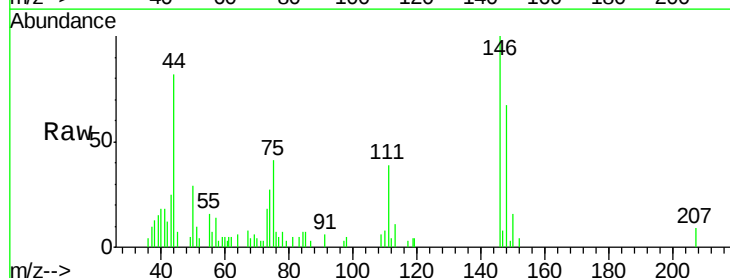
Tgt Ion:146 Resp: 7878

Ion Ratio Lower Upper

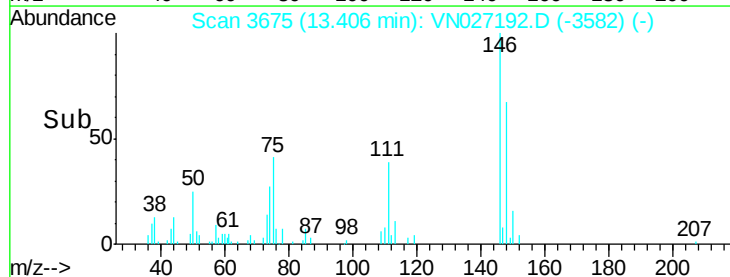
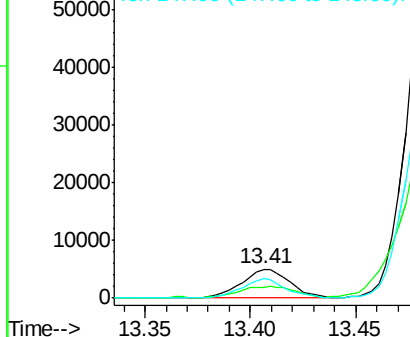
146 100

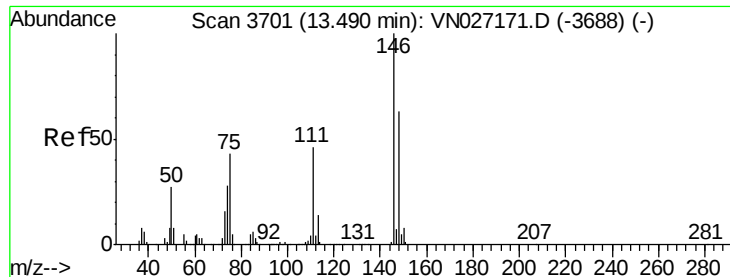
111 48.3 21.0 63.0

148 62.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





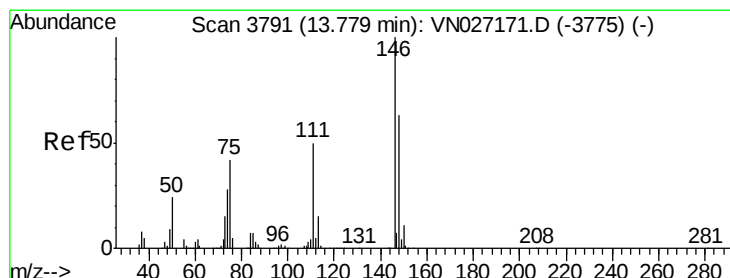
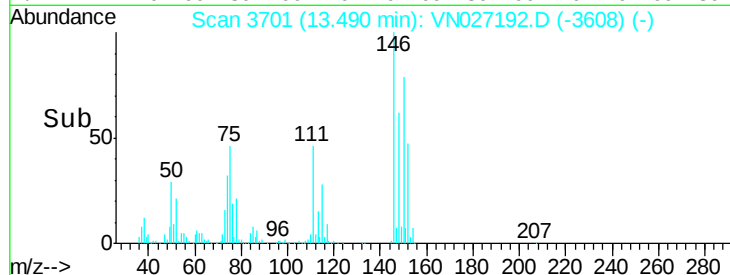
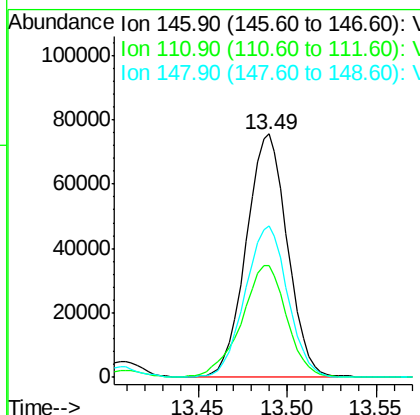
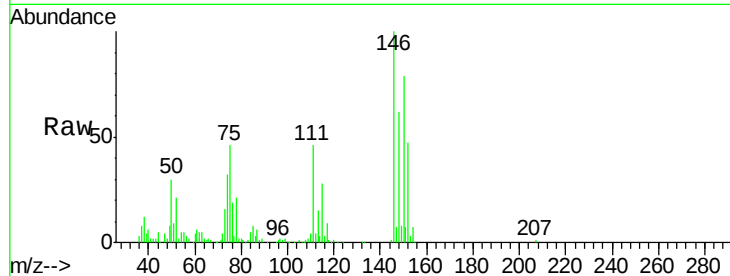
#89
 1,4-Dichlorobenzene
 Concen: 7.83 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. -0.00 min
 Lab File: VN027192.D
 Acq: 16 Sep 2015 5:20

Instrument :
 MSVOA_N
 ClientSampled :
 S39-0099

Tot Ion	Ratio	Resp	Lower	Upper
146	100	122148		
111	50.4	19.9	59.6	
148	64.5	31.7	95.1	

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 9/16/2015 11:48:03 AM



#92
 1,2-Dichlorobenzene
 Concen: 7.86 ug/l
 RT: 13.78 min Scan# 3791
 Delta R.T. -0.00 min
 Lab File: VN027192.D
 Acq: 16 Sep 2015 5:20

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	119620		
111	47.5	22.1	66.3	
148	64.3	32.0	96.0	

