

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027334.D
 Acq On : 21 Sep 2015 16:23
 Operator : MD\FY
 Sample : G3640-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Manual Integrations
 APPROVED

MMDadoda
 9/23/2015 12:25:22 PM

Quant Time: Sep 22 07:09:45 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	344449	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	630284	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	547391	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	212129	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	318275	47.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.40%	
36) Dibromofluoromethane	7.68	113	198450	48.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.52%	
51) Toluene-d8	10.19	98	779409	49.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.04%	
63) 4-Bromofluorobenzene	12.52	95	279059	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	

Target Compounds

						Qvalue
4) Chloromethane	2.00	50	10595	2.59	ug/l	# 86
6) Bromomethane	2.54	94	194603	104.58	ug/l	96
7) Chloroethane	2.69	64	301292	103.71	ug/l	100
8) Trichlorofluoromethane	3.02	101	1139493	171.73	ug/l	98
13) 1,1-Dichloroethene	3.77	96	713347	181.37	ug/l	94
17) Acetone	3.83	43	271096	147.78	ug/l	96
21) Methylene Chloride	4.60	84	556445	113.93	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	826659	191.15	ug/l	99
26) 2-Butanone	6.91	43	739278	307.74	ug/l	97
28) cis-1,2-Dichloroethene	6.92	96	6277	1.23	ug/l	88
31) Chloroform	7.45	83	509756	55.82	ug/l	100
33) 1,1,1-Trichloroethane	7.67	97	214280	26.48	ug/l	97
39) Carbon Tetrachloride	7.88	117	613796	96.02	ug/l	98
41) Benzene	8.14	78	902642	45.79	ug/l	99
43) 1,2-Dichloroethane	8.22	62	1606217	199.84	ug/l	95
45) Trichloroethene	8.93	130	573834	145.29	ug/l	90
46) 1,2-Dichloropropane	9.21	63	766489	138.91	ug/l	100
47) Dibromomethane	9.31	93	184808	55.80	ug/l	93
48) Bromodichloromethane	9.49	83	522322	74.37	ug/l	100
52) 4-Methyl-2-Pentanone	10.07	43	208603	40.45	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	375138	50.03	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	605701	73.54	ug/l	94
56) 1,1,2-Trichloroethane	10.66	97	263069	60.49	ug/l	98
60) 2-Hexanone	10.84	43	621657	177.39	ug/l	98
61) Dibromochloromethane	11.00	129	4217m	0.99	ug/l	
62) 1,2-Dibromoethane	11.11	107	259081	62.64	ug/l	100
65) Tetrachloroethene	10.74	164	396443	121.68	ug/l	94
66) Chlorobenzene	11.54	112	581158	49.52	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	130721	33.19	ug/l	99
68) Ethyl Benzene	11.62	91	1536309	69.40	ug/l	99
69) m/p-Xylenes	11.73	106	1770454	230.68	ug/l	90
71) Styrene	12.07	104	1413479	114.49	ug/l	93
72) Bromoform	12.24	173	139724	52.88	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	1103077	184.40	ug/l	100

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 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) 1,2,3-Trichloropropane	12.66	75	201737	37.88	ug/l #	1
85) 1,2,4-Trimethylbenzene	13.16	105	2215779	129.70	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	301937	41.58	ug/l	95
91) Hexachloroethane	14.01	117	7607	2.30	ug/l	89
92) 1,2-Dichlorobenzene	13.78	146	367842	51.31	ug/l	96
93) 1,2-Dibromo-3-Chloropropan	14.40	75	159768	136.28	ug/l	86
94) 1,2,4-Trichlorobenzene	15.06	180	711606	192.09	ug/l	98
95) Hexachlorobutadiene	15.16	225	533099	262.64	ug/l	99
96) Naphthalene	15.29	128	1305377	110.06	ug/l	100

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

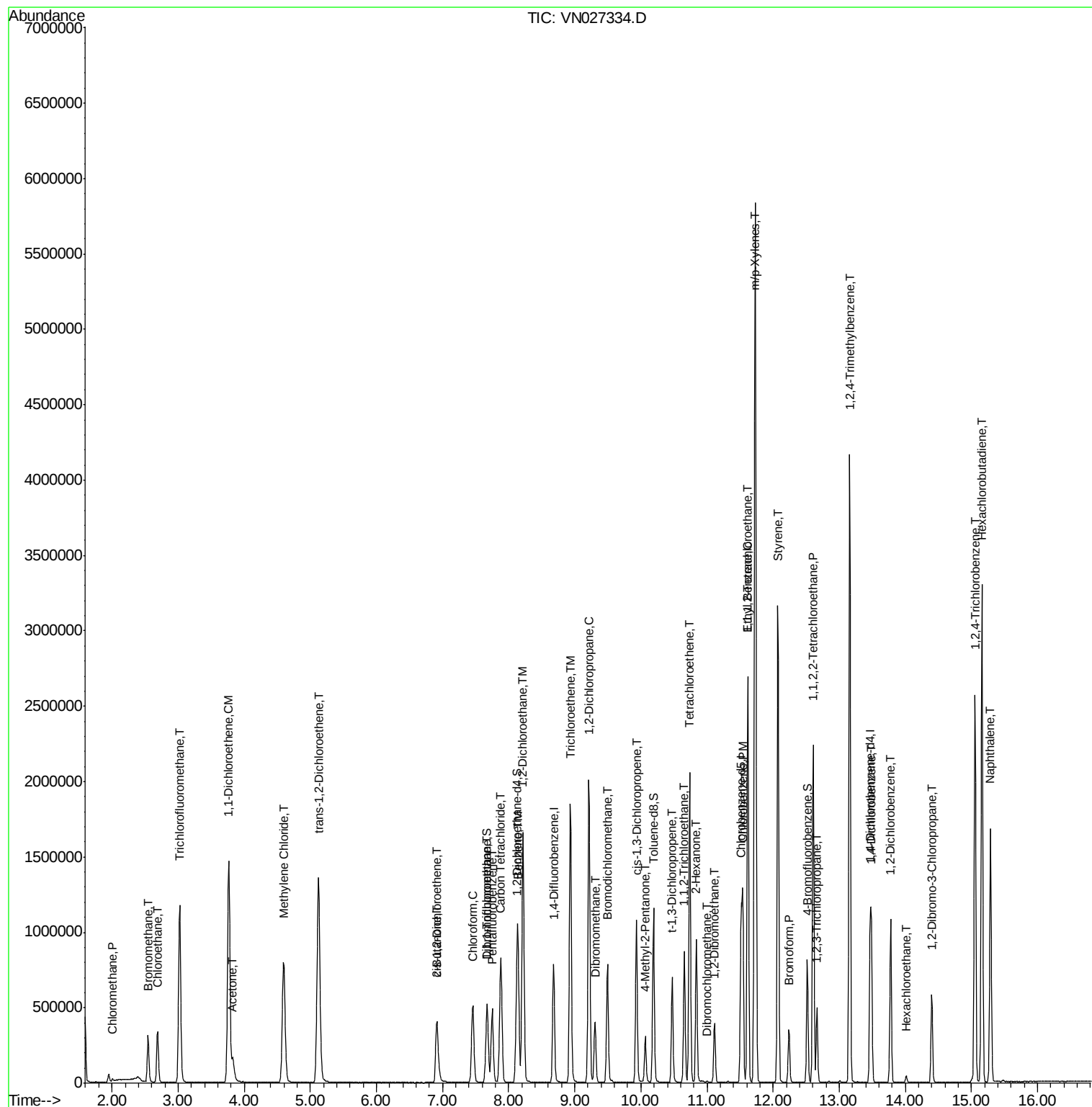
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
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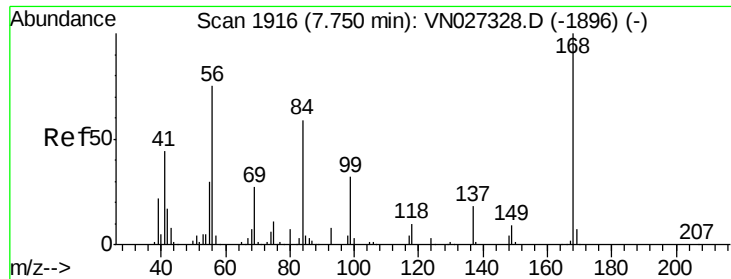
Instrument :
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Manual Integrations
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Quant Time: Sep 22 07:09:45 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 21 13:12:32 2015
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion:168 Resp: 344449

Ion Ratio Lower Upper

168 100

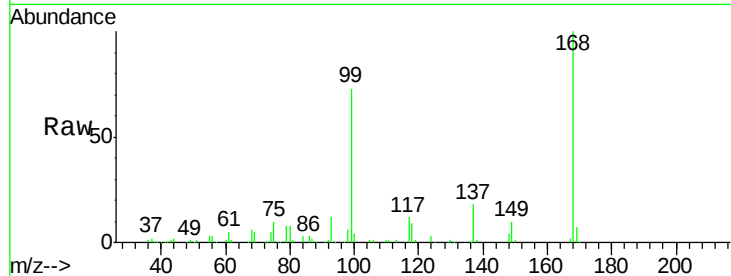
99 72.5 50.4 75.6

Manual Integrations

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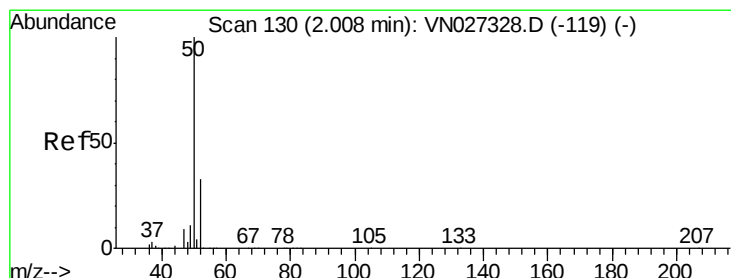
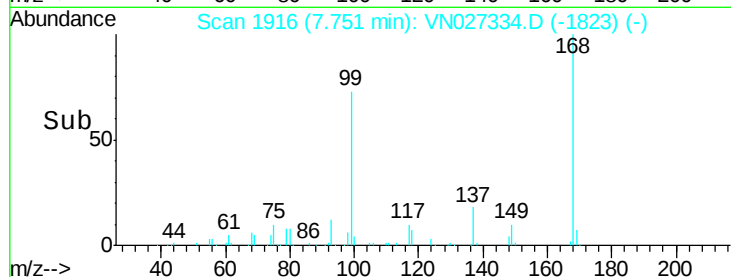
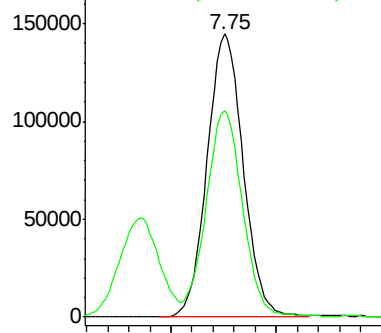
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#4

Chloromethane

Concen: 2.59 ug/l

RT: 2.00 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN027334.D

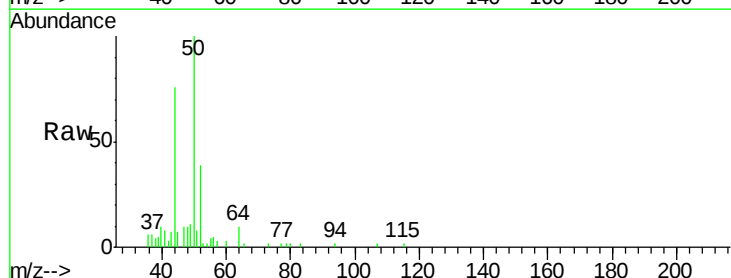
Acq: 21 Sep 2015 16:23

Tgt Ion: 50 Resp: 10595

Ion Ratio Lower Upper

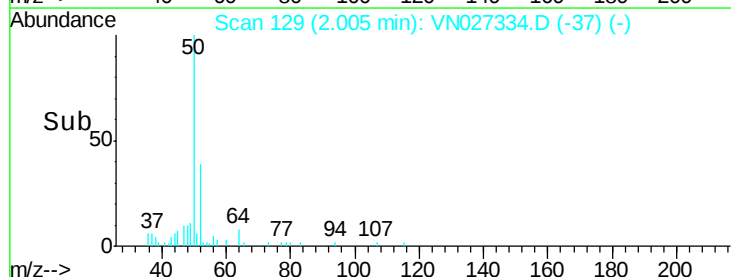
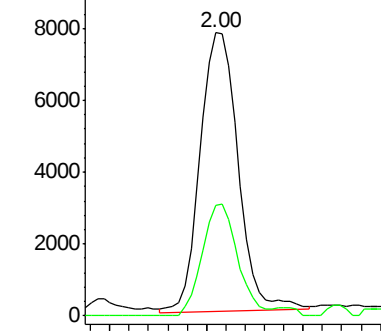
50 100

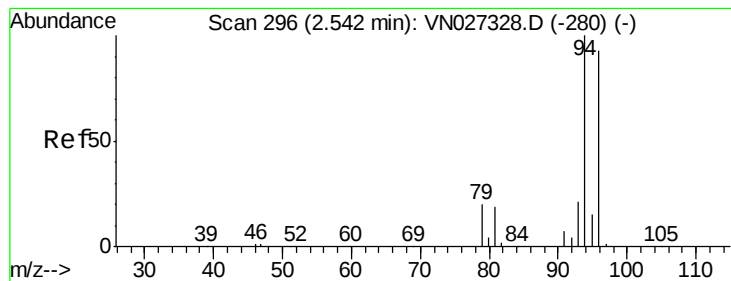
52 40.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#6

Bromomethane

Concen: 104.58 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion: 94 Resp: 194603

Ion Ratio Lower Upper

94 100

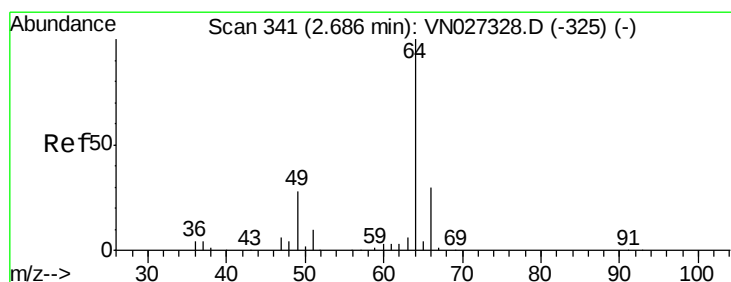
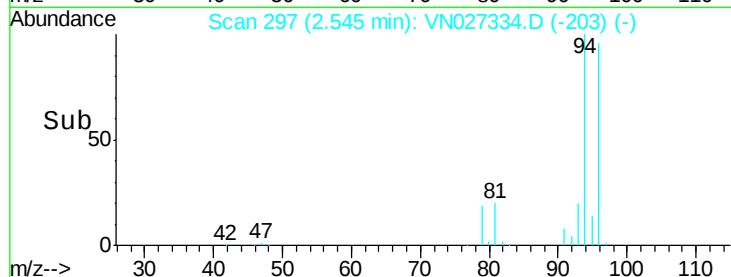
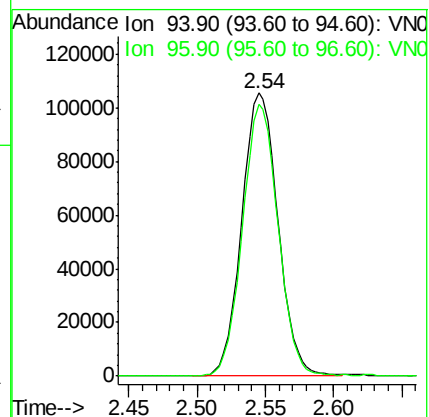
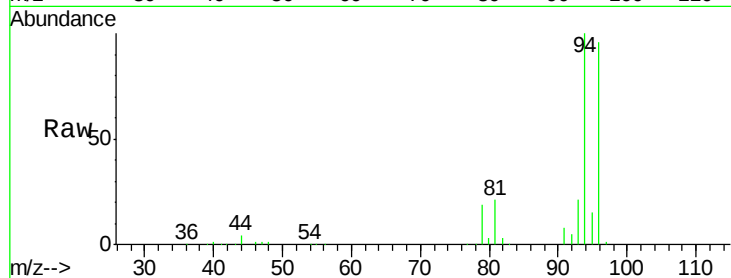
96 96.1 73.4 110.2

Manual Integrations

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#7

Chloroethane

Concen: 103.71 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027334.D

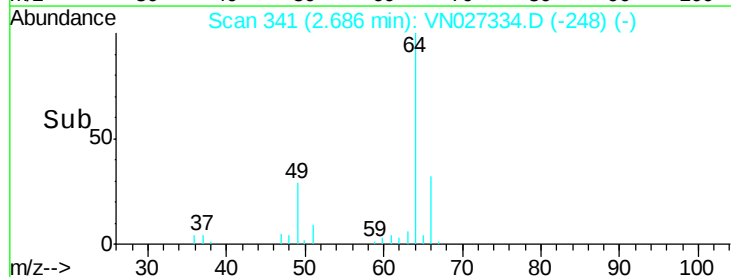
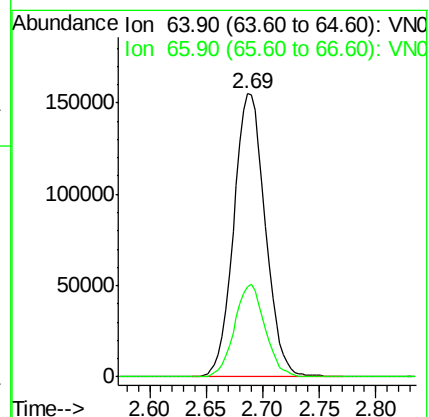
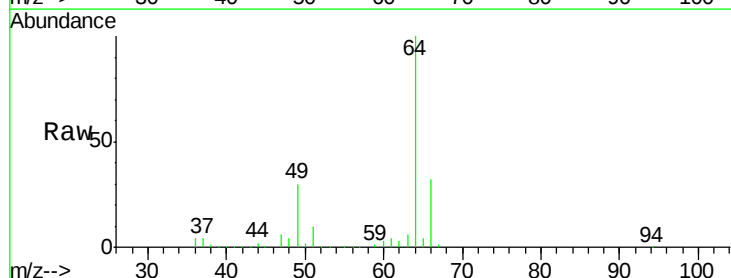
Acq: 21 Sep 2015 16:23

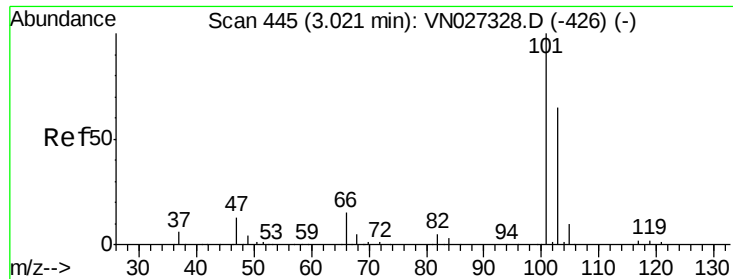
Tgt Ion: 64 Resp: 301292

Ion Ratio Lower Upper

64 100

66 32.0 25.5 38.3





#8

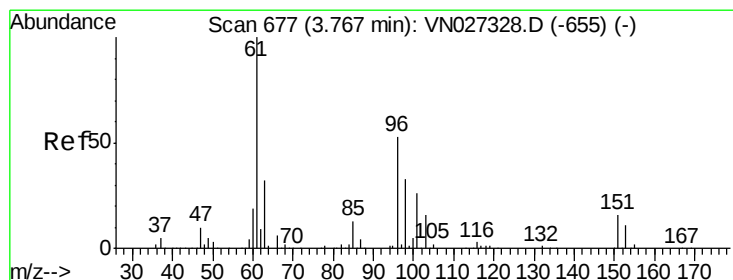
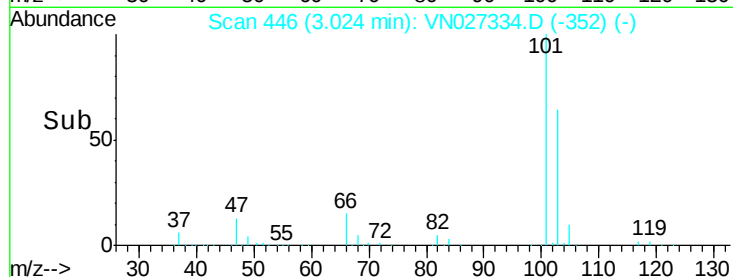
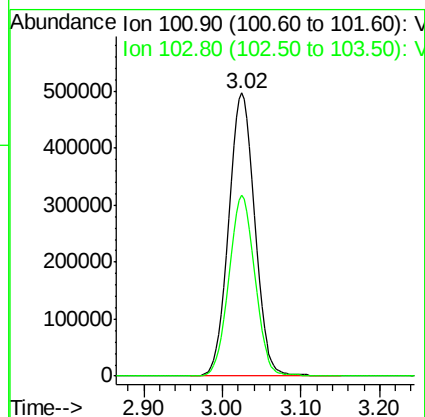
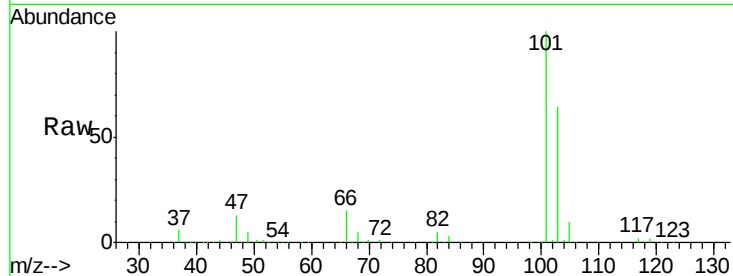
Trichlorofluoromethane
Concen: 171.73 ug/l
RT: 3.02 min Scan# 446
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Instrument :
MSVOA_N
ClientSampled :
TRIPBLANK

Tot Ion:101 Resp: 1139493
Ion Ratio Lower Upper
101 100
103 63.9 52.6 79.0

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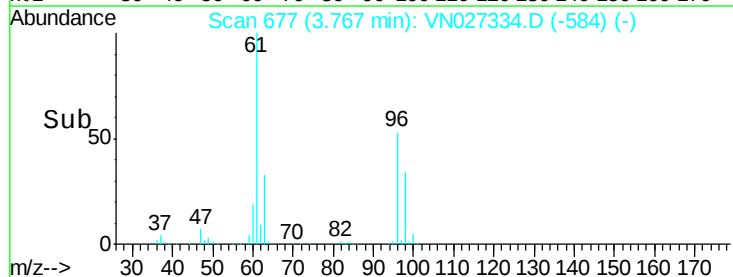
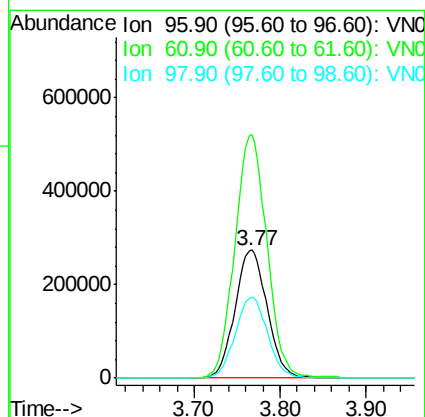
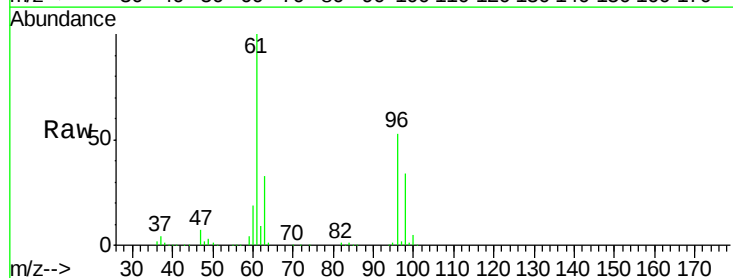
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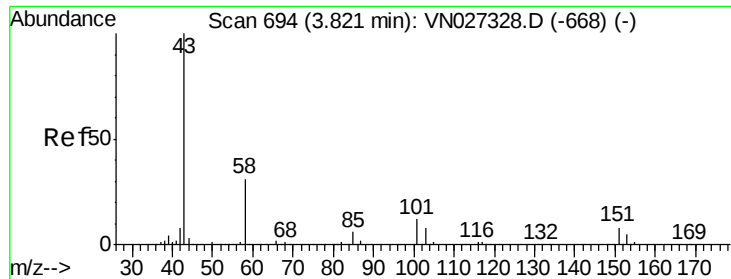


#13

1,1-Dichloroethene
Concen: 181.37 ug/l
RT: 3.77 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Tgt Ion: 96 Resp: 713347
Ion Ratio Lower Upper
96 100
61 189.9 143.8 215.8
98 63.7 50.3 75.5





#17

Acetone

Concen: 147.78 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.01 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampled :

TRIPBLANK

Tot Ion: 43 Resp: 271096

Ion Ratio Lower Upper

43 100

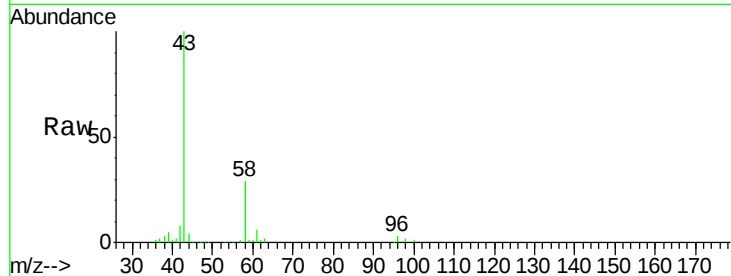
58 29.3 25.4 38.0

Manual Integrations

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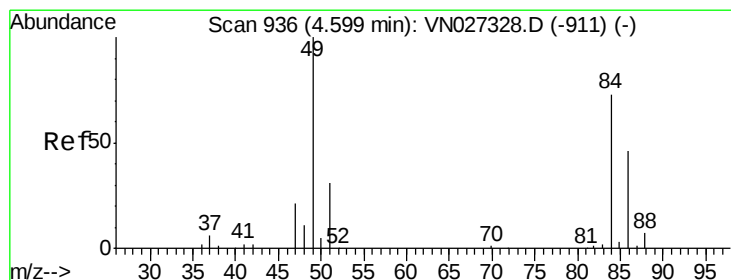
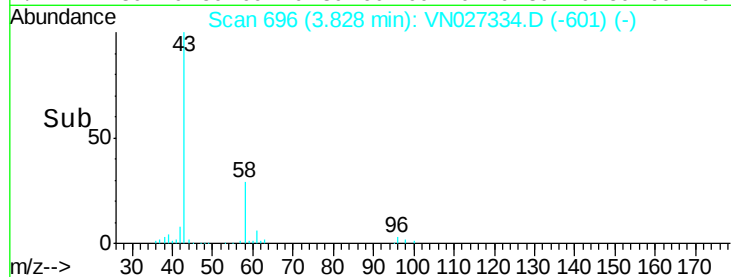
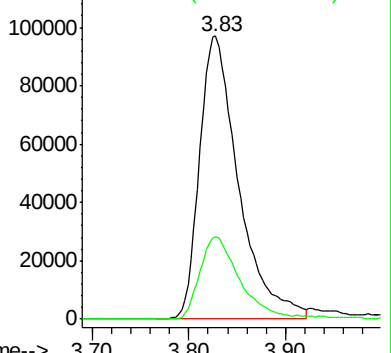
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Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#21

Methylene Chloride

Concen: 113.93 ug/l

RT: 4.60 min Scan# 935

Delta R.T. -0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Tgt Ion: 84 Resp: 556445

Ion Ratio Lower Upper

84 100

49 138.7 112.3 168.5

51 42.4 33.8 50.8

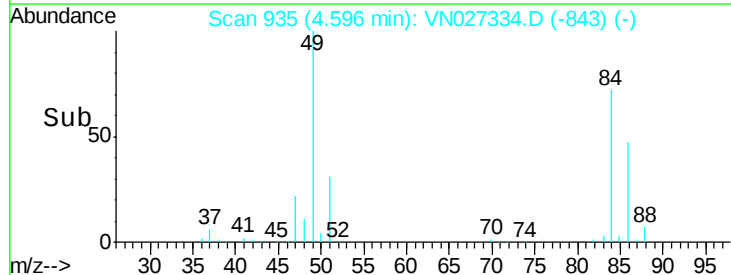
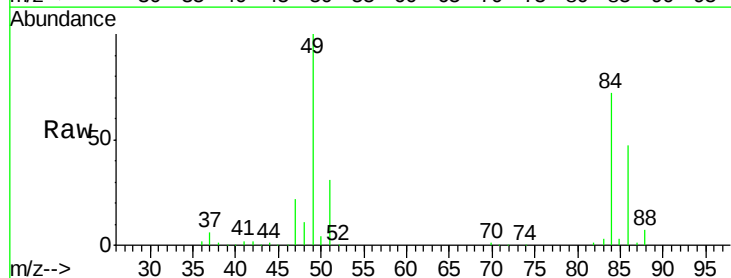
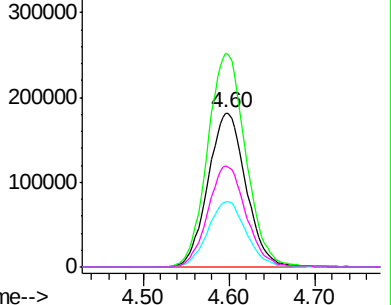
86 65.3 48.2 72.4

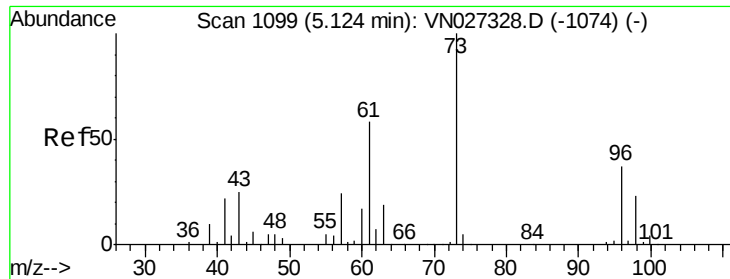
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#22

trans-1,2-Dichloroethene

Concen: 191.15 ug/l

RT: 5.12 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 96 Resp: 826659

Ion Ratio Lower Upper

96 100

61 157.7 126.6 189.8

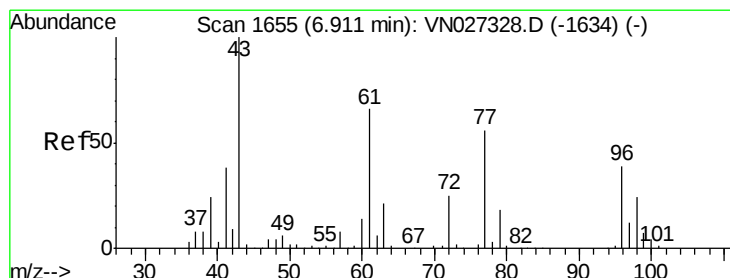
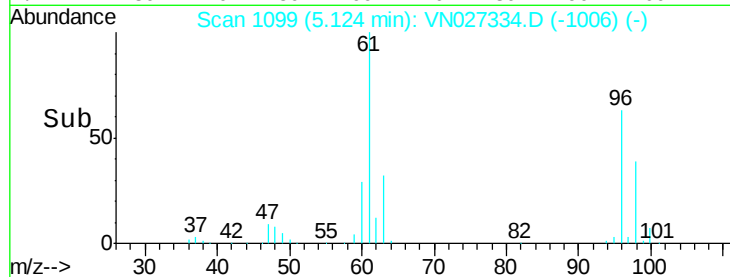
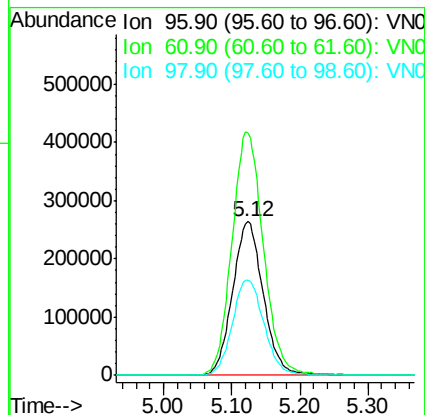
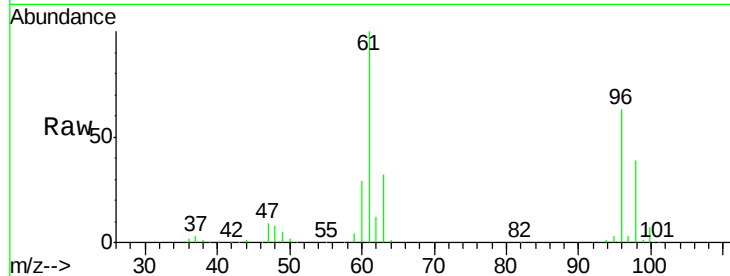
98 62.0 47.4 71.2

Manual Integrations

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#26

2-Butanone

Concen: 307.74 ug/l

RT: 6.91 min Scan# 1656

Delta R.T. 0.00 min

Lab File: VN027334.D

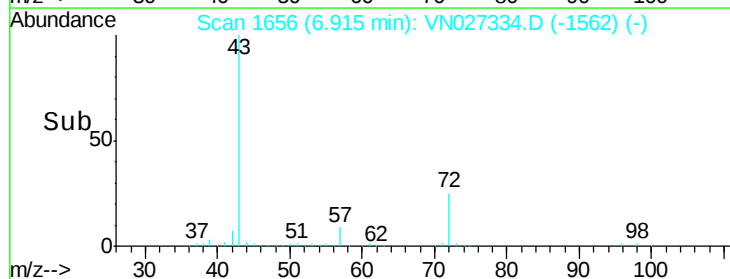
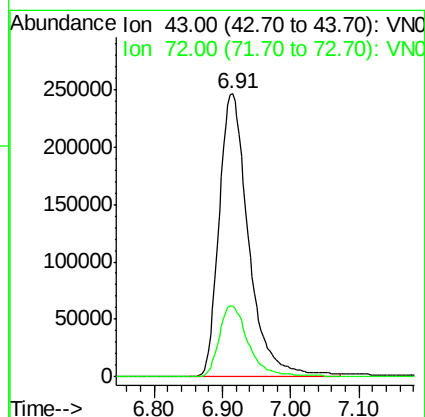
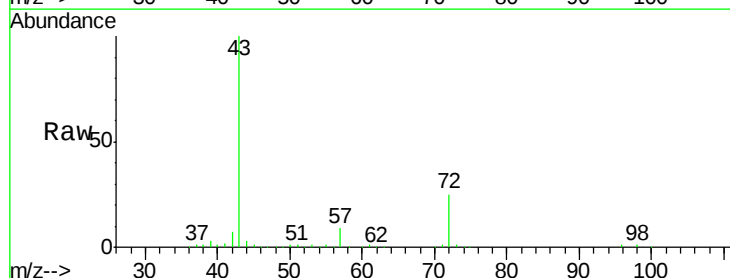
Acq: 21 Sep 2015 16:23

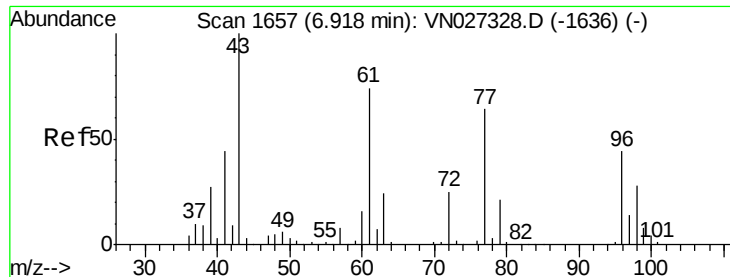
Tgt Ion: 43 Resp: 739278

Ion Ratio Lower Upper

43 100

72 25.0 18.8 28.2





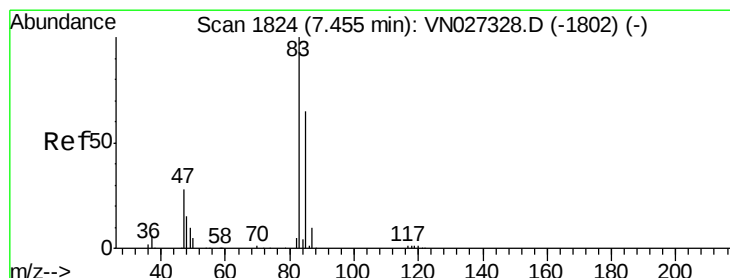
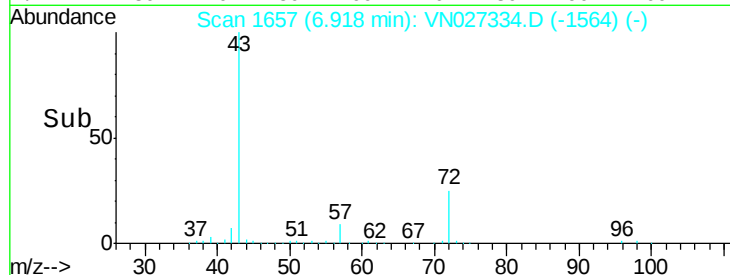
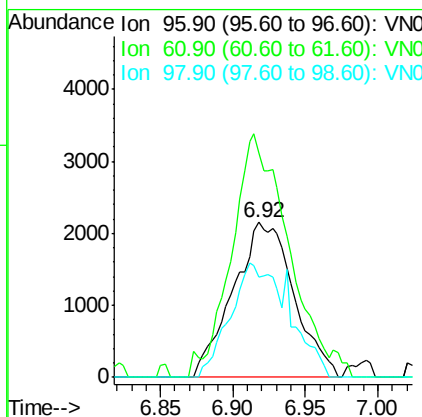
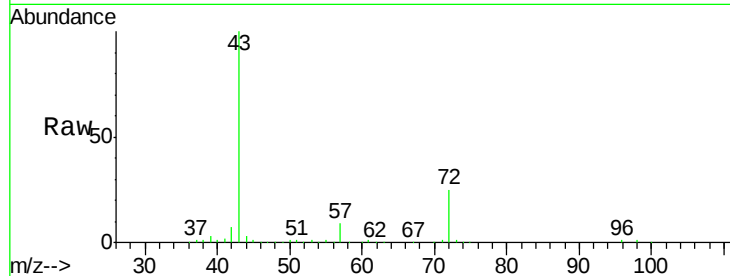
#28
 cis-1,2-Dichloroethene
 Concen: 1.23 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.4	0.0	329.2
98	71.6	0.0	126.0

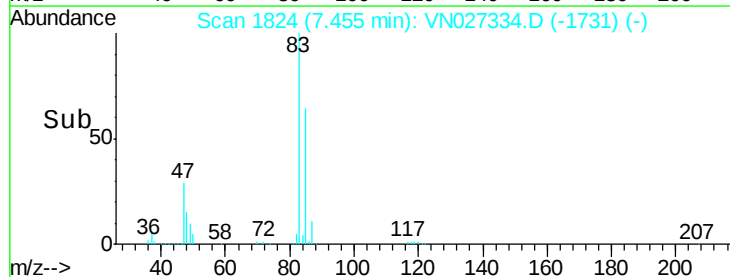
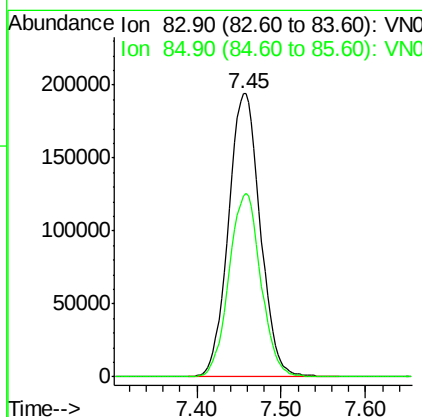
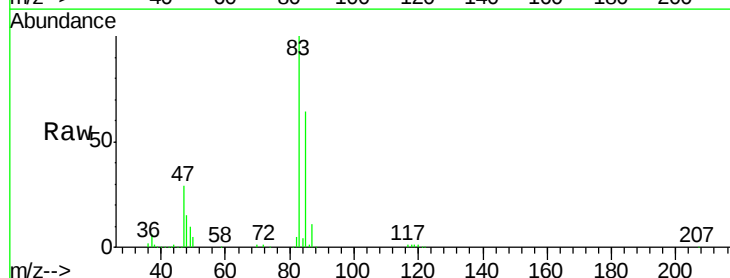
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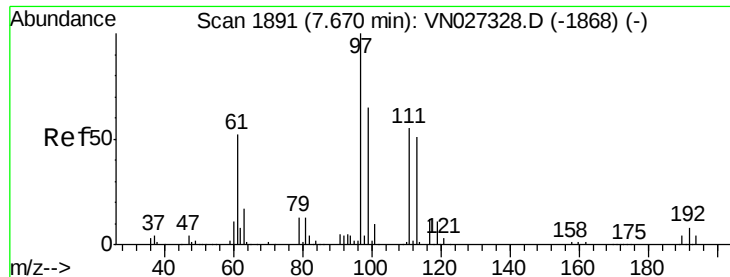
MMDadoda
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#31
 Chloroform
 Concen: 55.82 ug/l
 RT: 7.45 min Scan# 1824
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.1	76.7





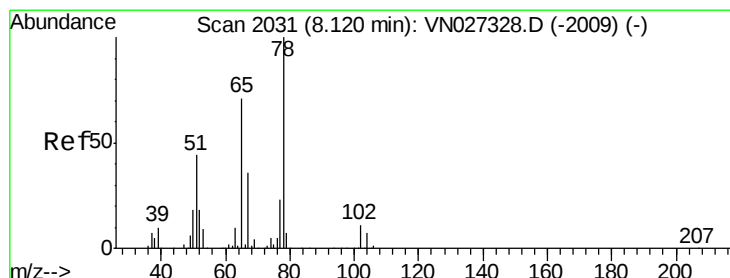
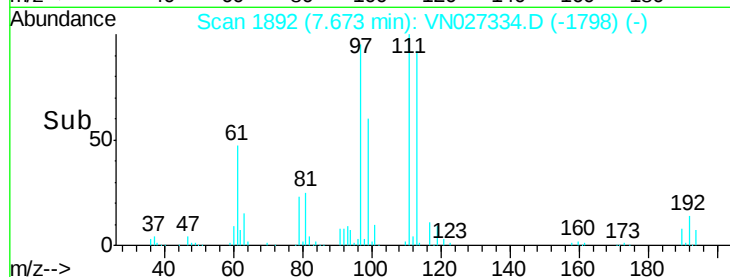
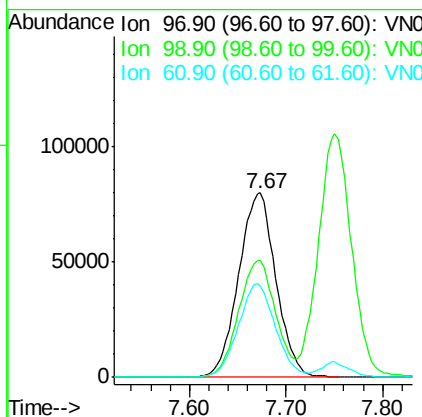
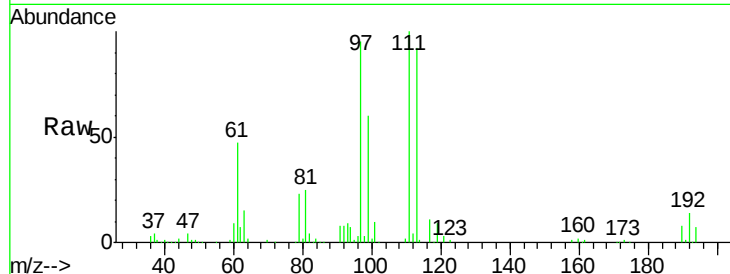
#33
 1,1,1-Trichloroethane
 Concen: 26.48 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Instrument :
 MSVOA_N
 ClientSampled :
 TRIPBLANK

Tot Ion	Ratio	Resp	Lower	Upper
97	100	214280		
99	63.0		50.1	75.1
61	50.5		44.0	66.0

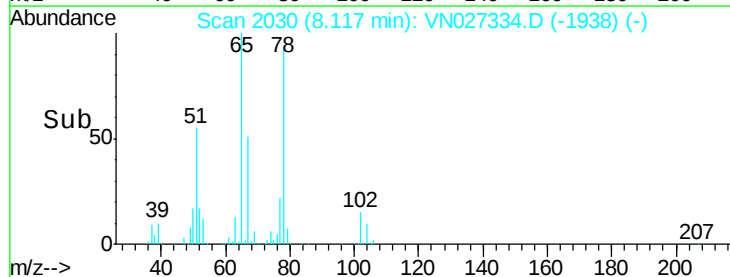
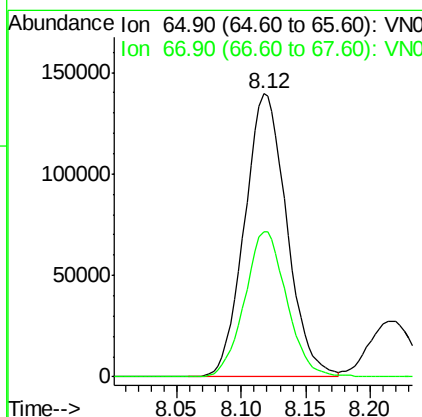
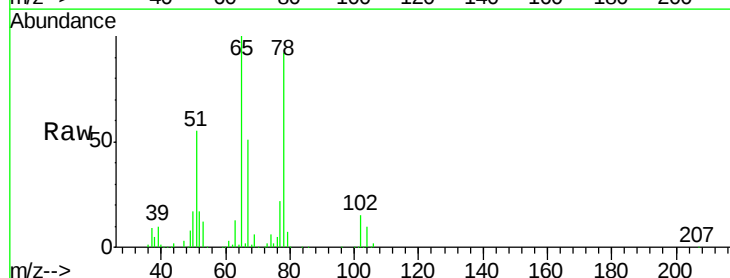
Manual Integrations
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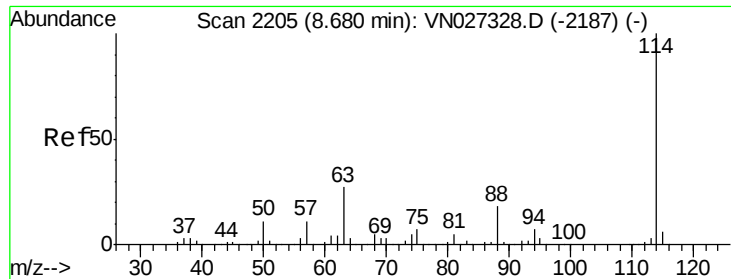
MMDadoda
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#34
 1,2-Dichloroethane-d4
 Concen: 47.20 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	318275		
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: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

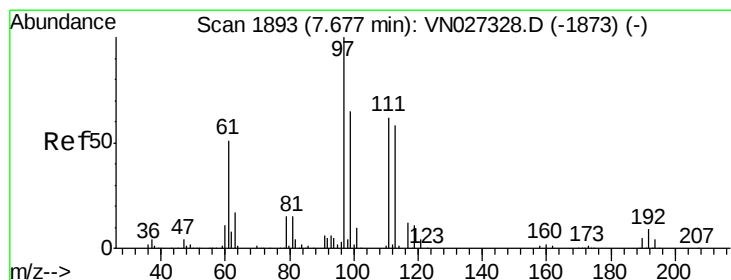
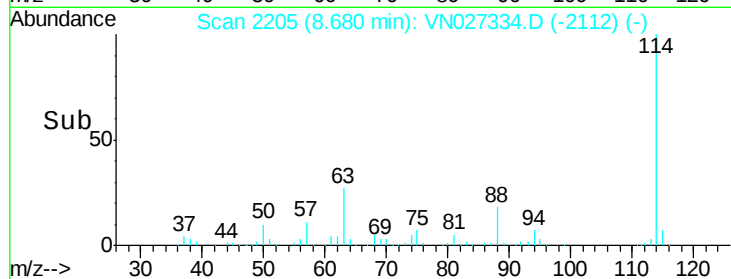
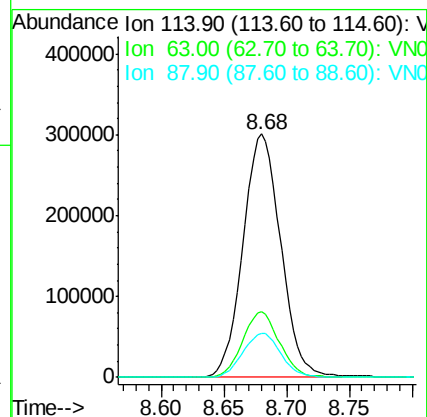
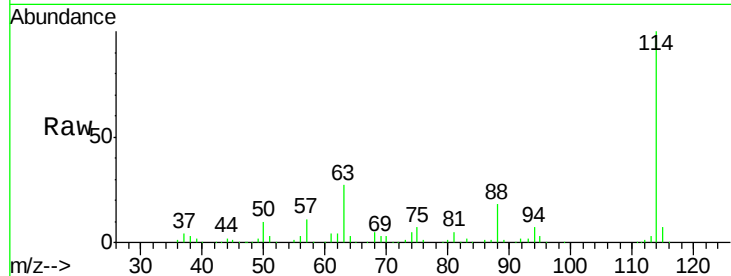
ClientSampleId :

TRIPBLANK

Tot Ion:	114	Resp:	630284
Ion Ratio	Lower	Upper	
114	100		
63	27.0	0.0	48.8
88	18.2	0.0	32.2

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#36

Dibromofluoromethane

Concen: 48.26 ug/l

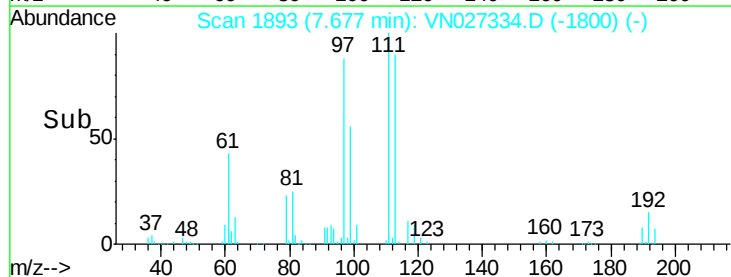
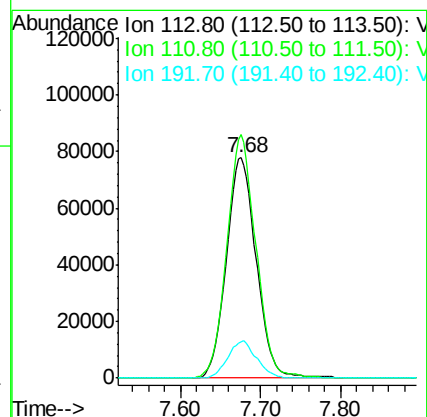
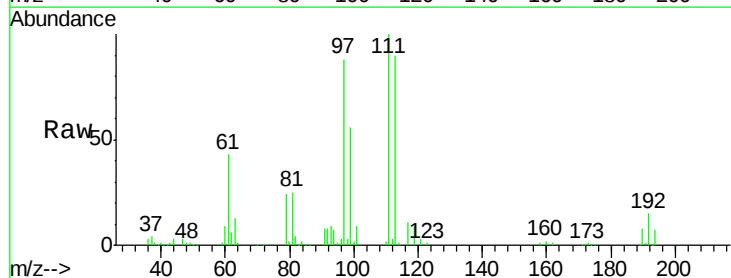
RT: 7.68 min Scan# 1893

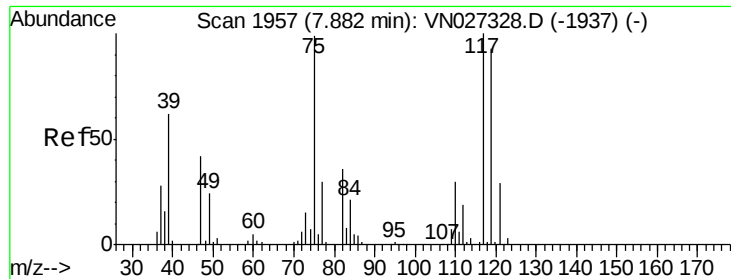
Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Tgt Ion:	113	Resp:	198450
Ion Ratio	Lower	Upper	
113	100		
111	107.7	83.0	124.4
192	16.2	14.1	21.1





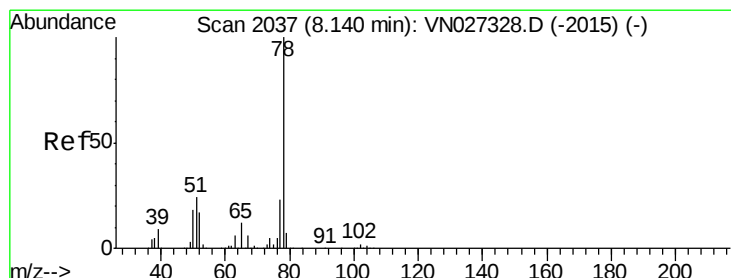
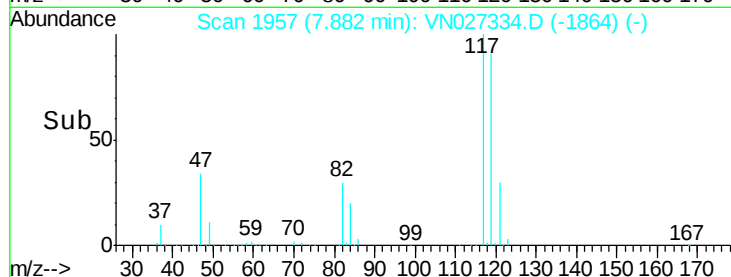
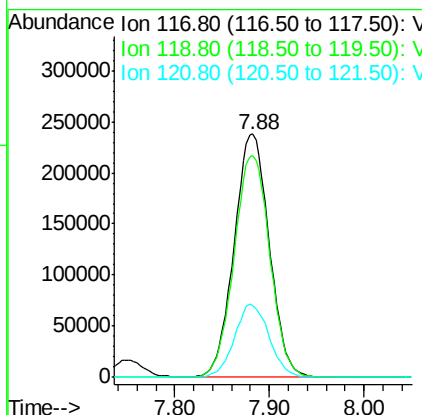
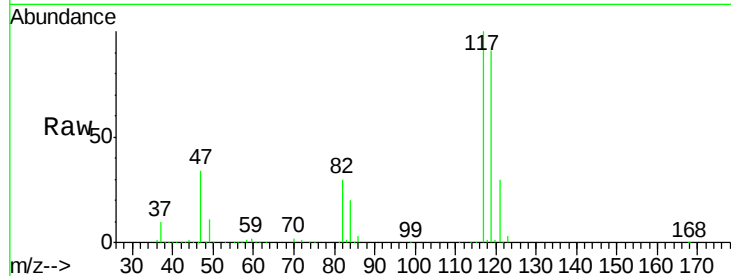
#39
Carbon Tetrachloride
Concen: 96.02 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.4	75.3	112.9
121	29.5	23.8	35.8

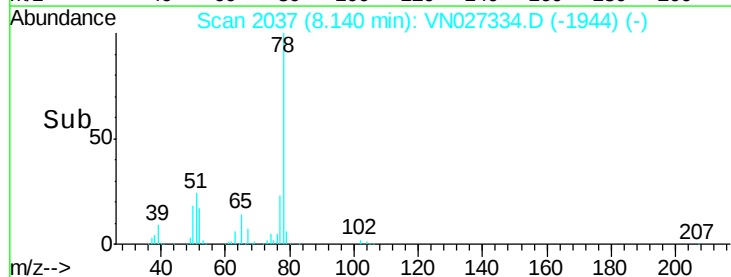
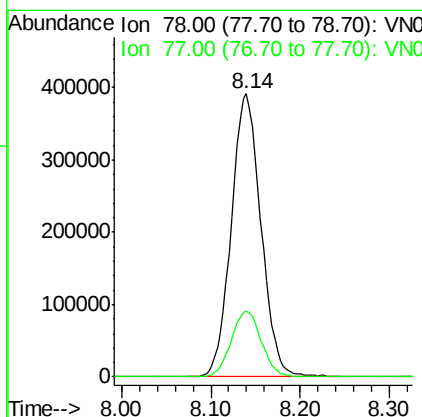
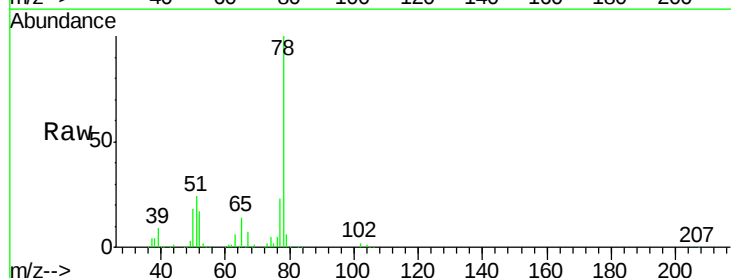
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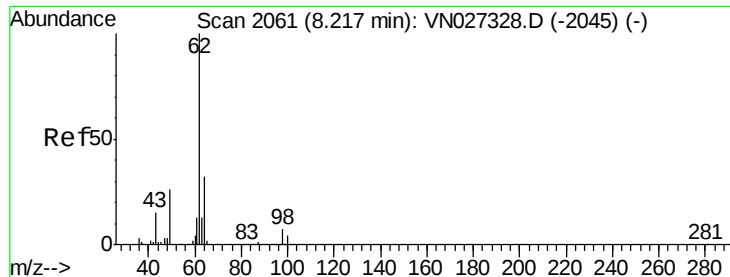
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#41
Benzene
Concen: 45.79 ug/l
RT: 8.14 min Scan# 2037
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





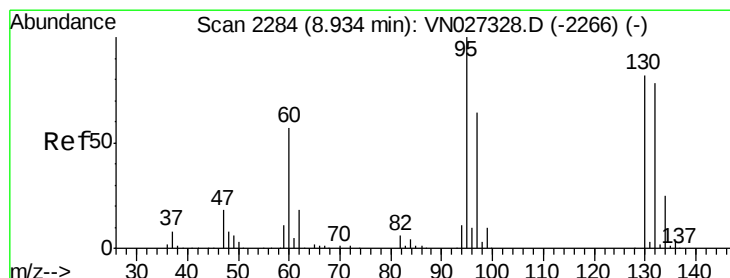
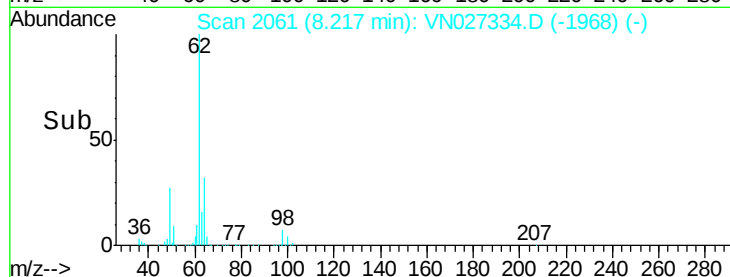
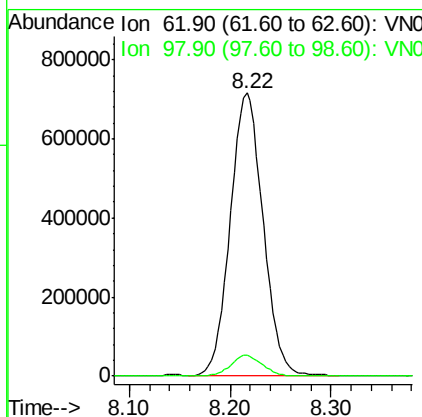
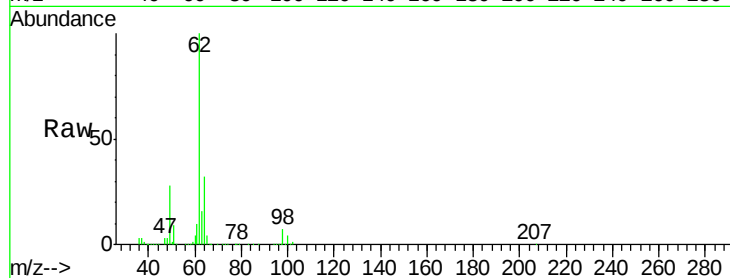
#43
1,2-Dichloroethane
Concen: 199.84 ug/l
RT: 8.22 min Scan# 2061
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.2	0.0	18.0

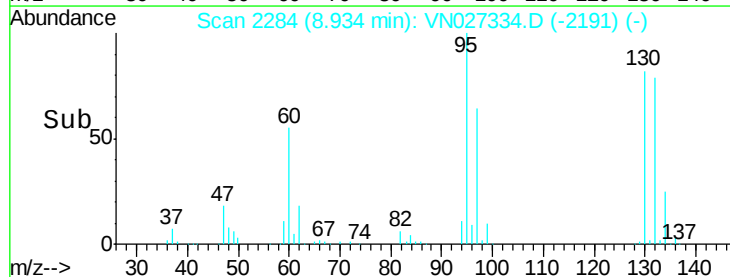
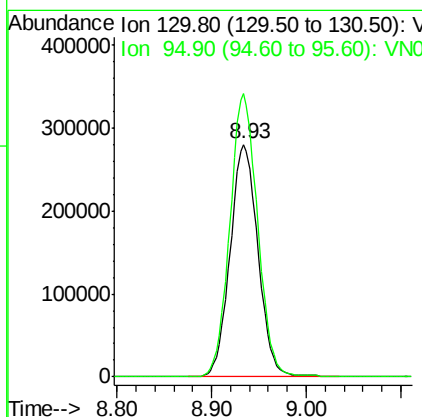
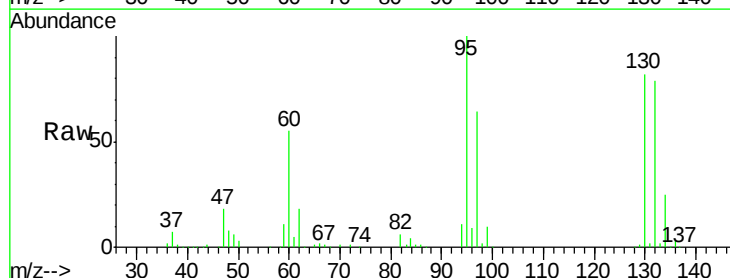
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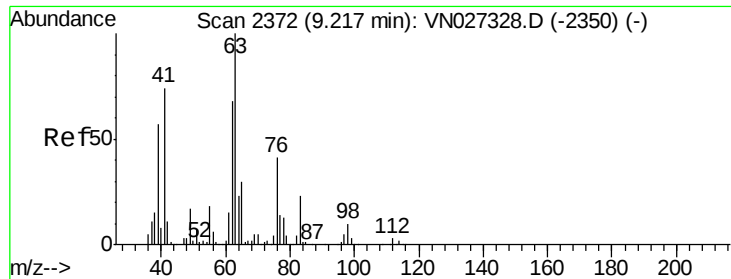
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#45
Trichloroethene
Concen: 145.29 ug/l
RT: 8.93 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	121.7	0.0	222.2





#46

1,2-Dichloropropane

Concen: 138.91 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion: 63 Resp: 766489

Ion Ratio Lower Upper

63 100

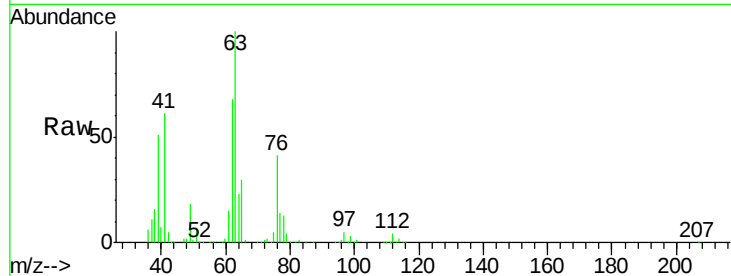
65 30.4 24.4 36.6

Manual Integrations

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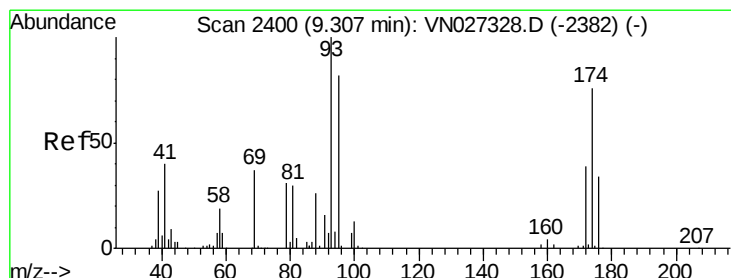
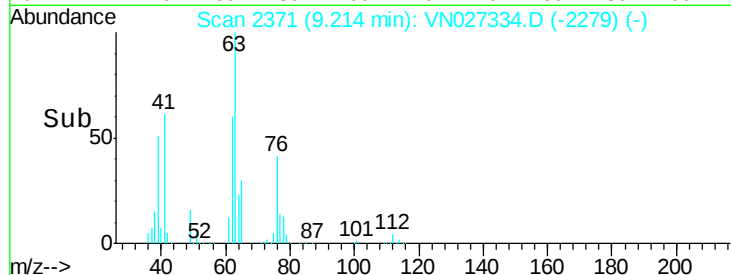
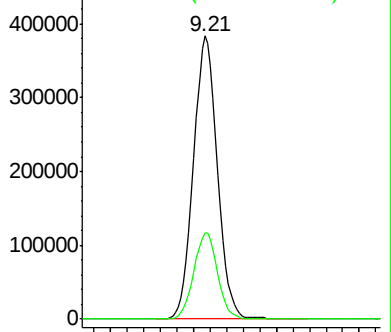
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#47

Dibromomethane

Concen: 55.80 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

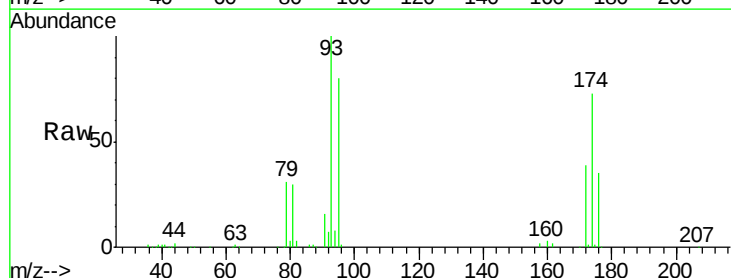
Tgt Ion: 93 Resp: 184808

Ion Ratio Lower Upper

93 100

95 81.9 66.3 99.5

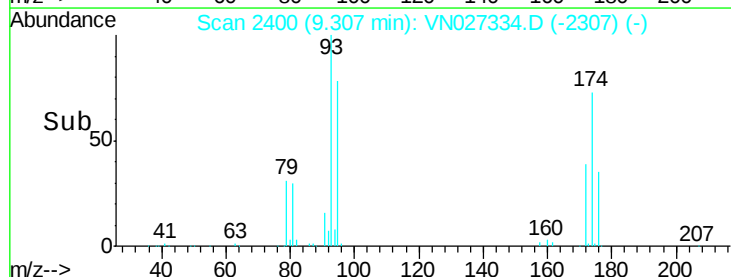
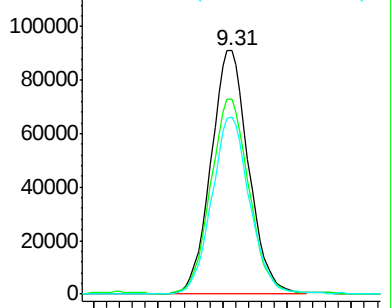
174 73.5 67.8 101.6

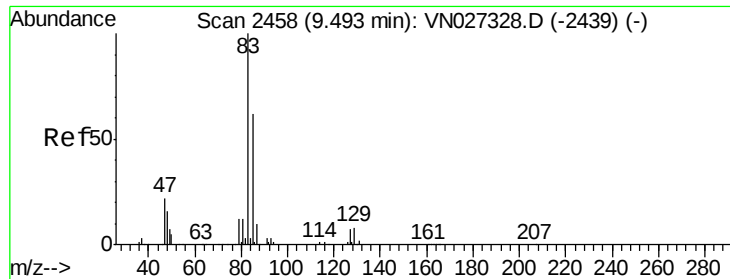


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#48

Bromodichloromethane

Concen: 74.37 ug/l

RT: 9.49 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion: 83 Resp: 522322

Ion Ratio Lower Upper

83 100

85 63.3 50.7 76.1

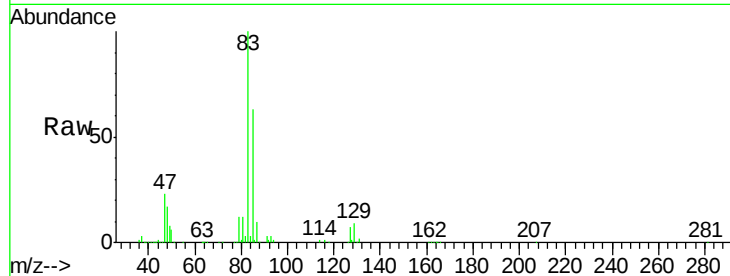
127 7.1 5.5 8.3

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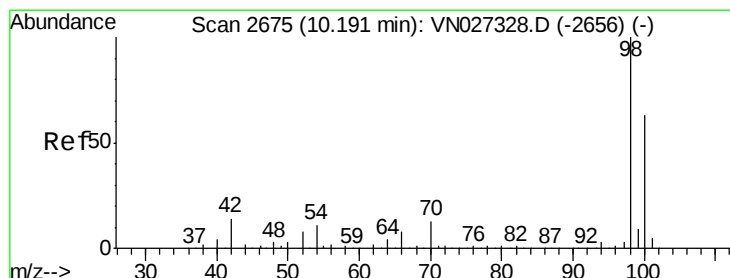
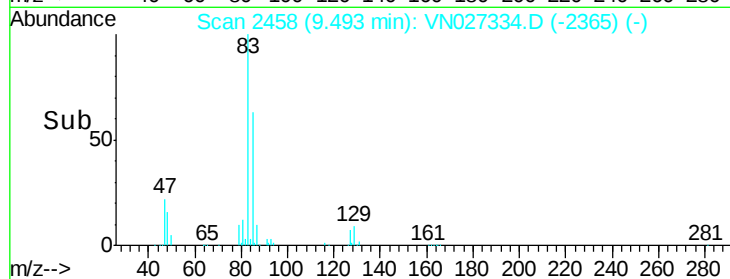
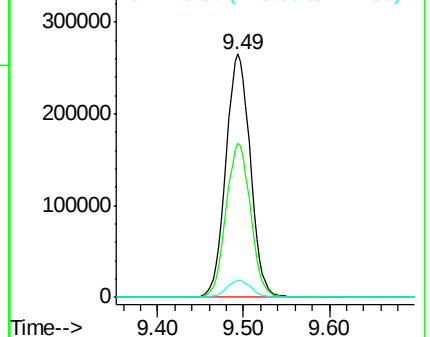
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Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#51

Toluene-d8

Concen: 49.02 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027334.D

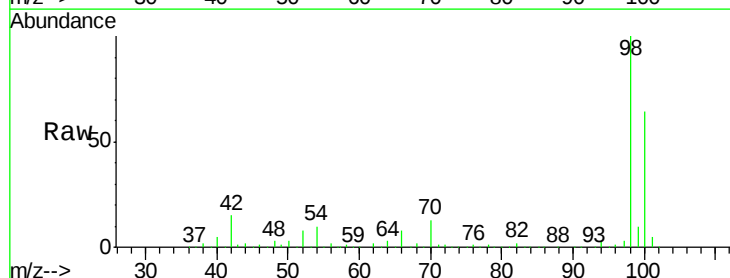
Acq: 21 Sep 2015 16:23

Tgt Ion: 98 Resp: 779409

Ion Ratio Lower Upper

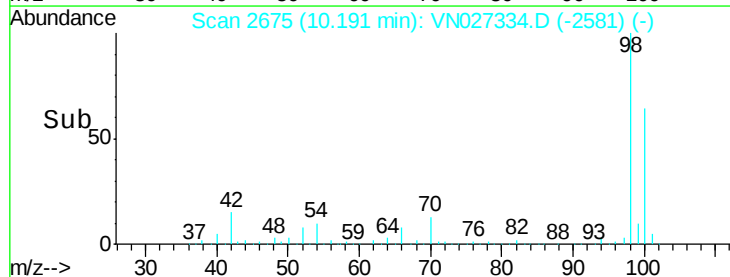
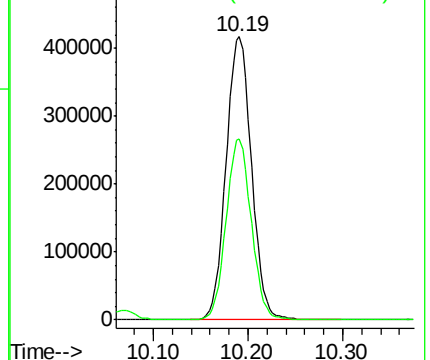
98 100

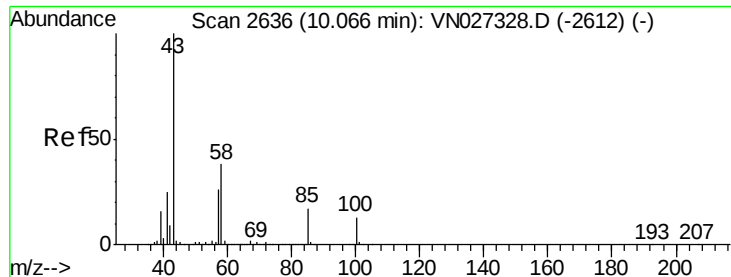
100 63.2 50.5 75.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





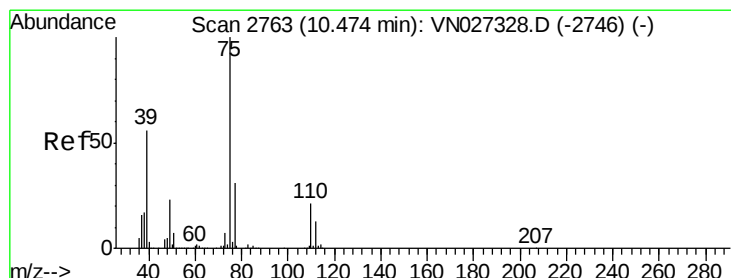
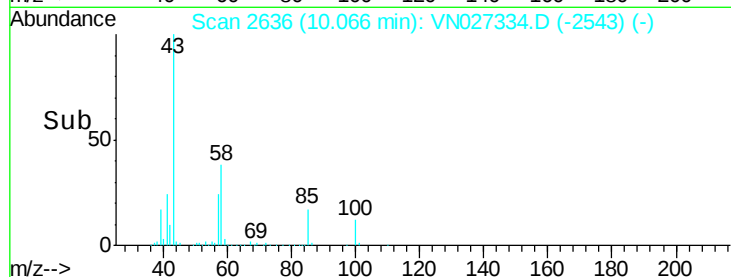
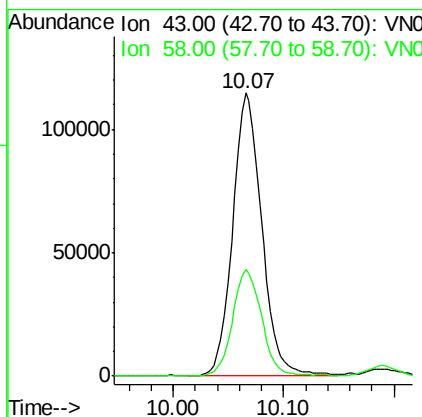
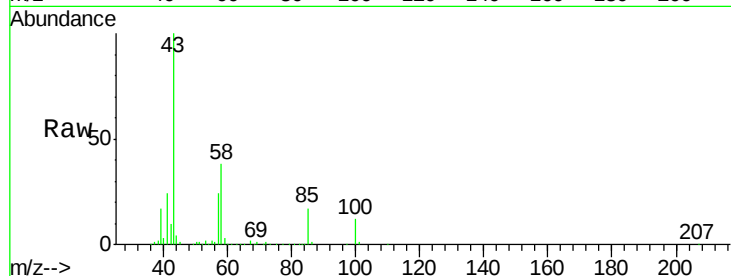
#52
4-Methyl-2-Pentanone
Concen: 40.45 ug/l
RT: 10.07 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Instrument :
MSVOA_N
ClientSampled :
TRIPBLANK

Tot Ion	43	Resp	208603
Ion Ratio	100	Lower	Upper
58	37.8	29.8	44.8

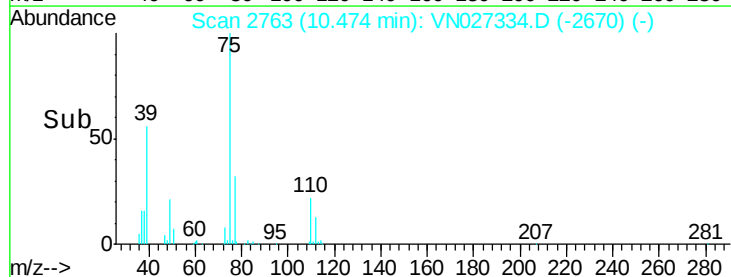
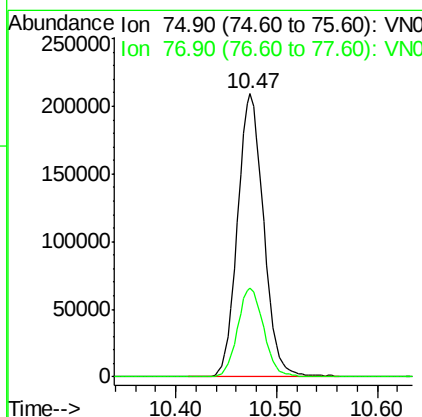
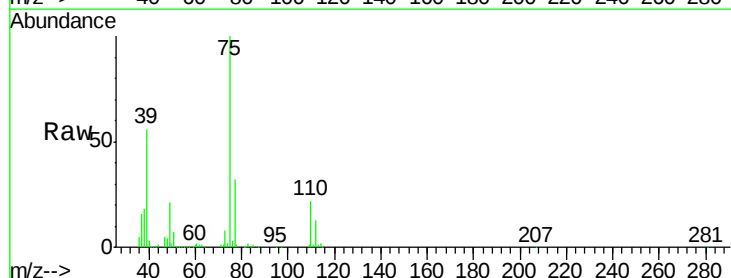
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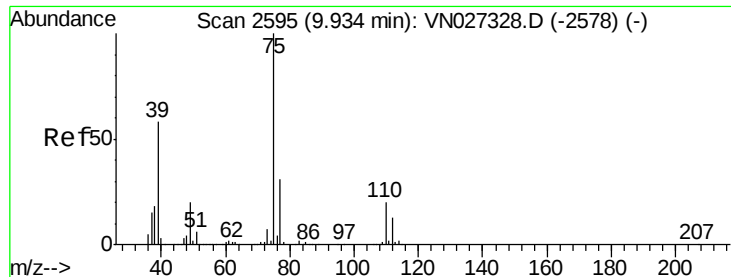
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#54
t-1,3-Dichloropropene
Concen: 50.03 ug/l
RT: 10.47 min Scan# 2763
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Tgt Ion	75	Resp	375138
Ion Ratio	100	Lower	Upper
77	31.5	25.4	38.2





#55

cis-1,3-Dichloropropene

Concen: 73.54 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

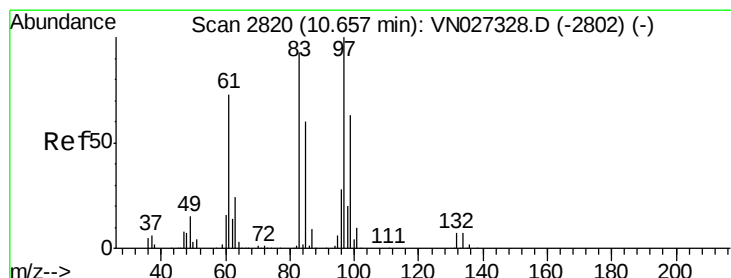
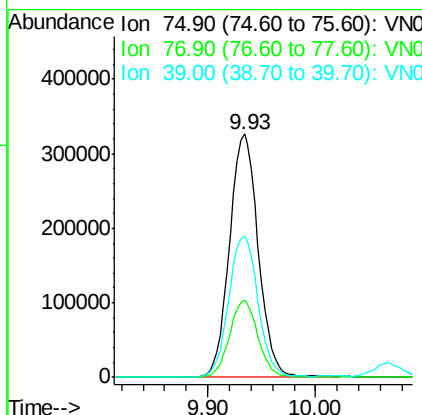
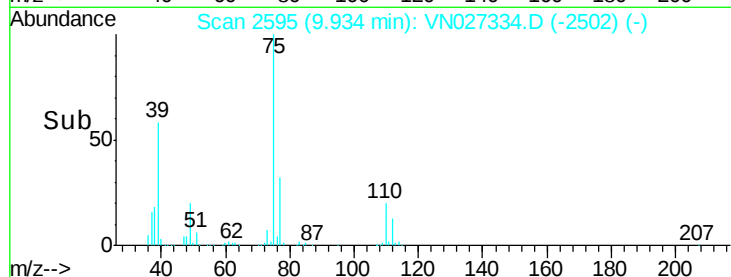
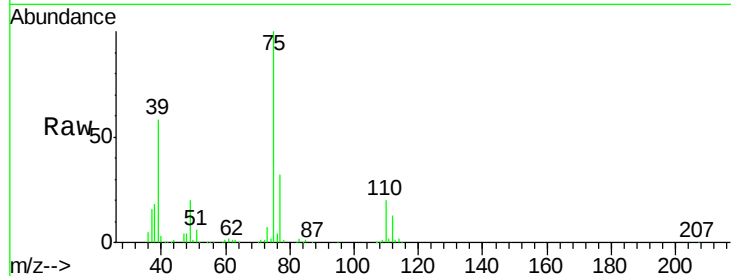
ClientSampleId :

TRIPBLANK

Tot Ion:	75	Resp:	605701
Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.6	38.4
39	58.0	41.6	62.4

Manual Integrations
APPROVED

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#56

1,1,2-Trichloroethane

Concen: 60.49 ug/l

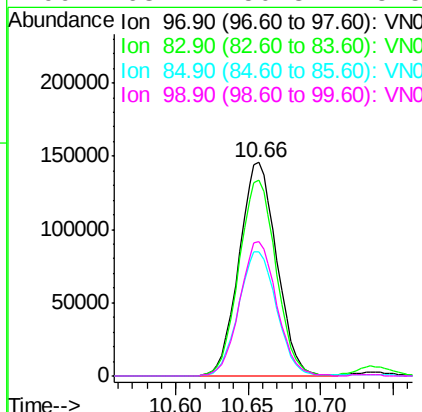
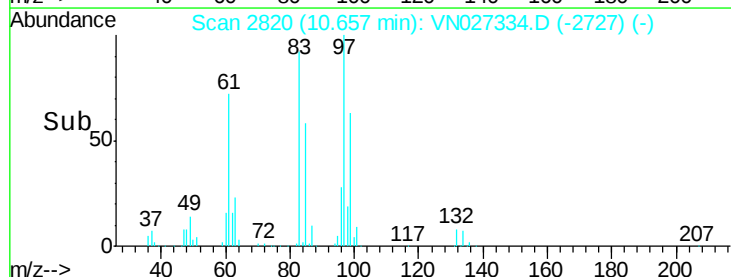
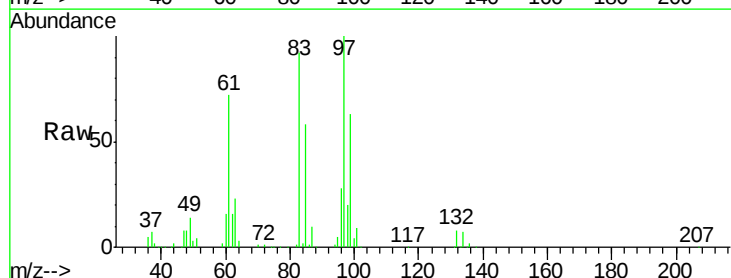
RT: 10.66 min Scan# 2820

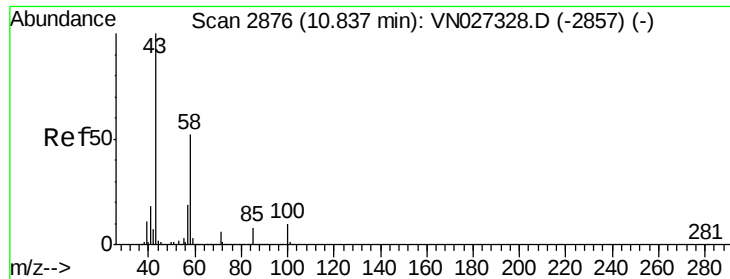
Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Tgt Ion:	97	Resp:	263069
Ion	Ratio	Lower	Upper
97	100		
83	91.6	75.0	112.4
85	58.0	48.0	72.0
99	63.2	50.3	75.5





#60

2-Hexanone

Concen: 177.39 ug/l

RT: 10.84 min Scan# 2876

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion: 43 Resp: 621657

Ion Ratio Lower Upper

43 100

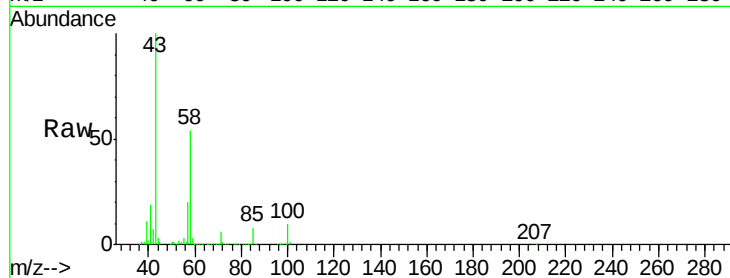
58 53.7 26.2 78.5

Manual Integrations

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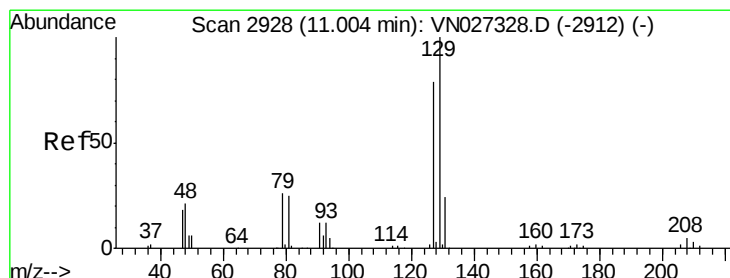
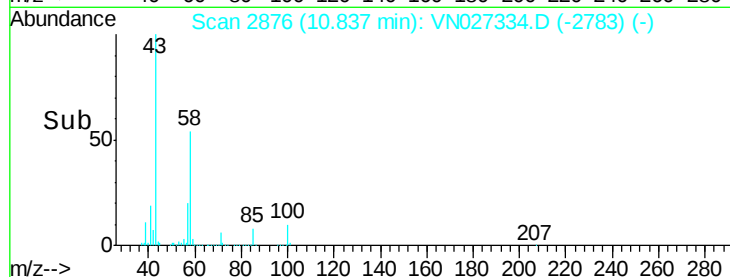
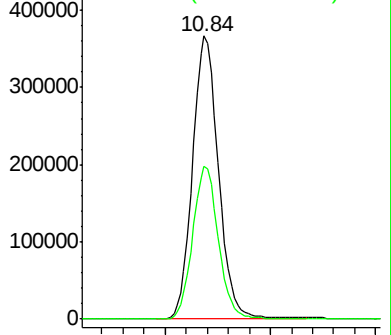
MMDadoda

9/23/2015 12:25:22 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#61

Dibromochloromethane

Concen: 0.99 ug/l m

RT: 11.00 min Scan# 2926

Delta R.T. -0.01 min

Lab File: VN027334.D

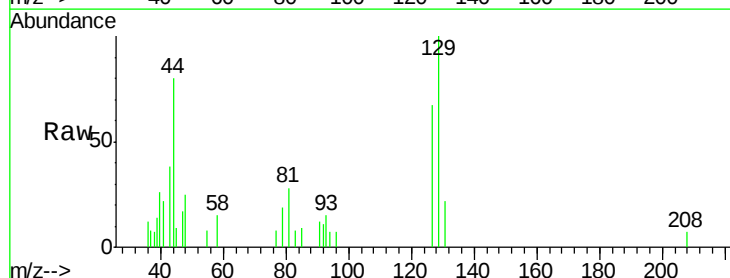
Acq: 21 Sep 2015 16:23

Tgt Ion: 129 Resp: 4217

Ion Ratio Lower Upper

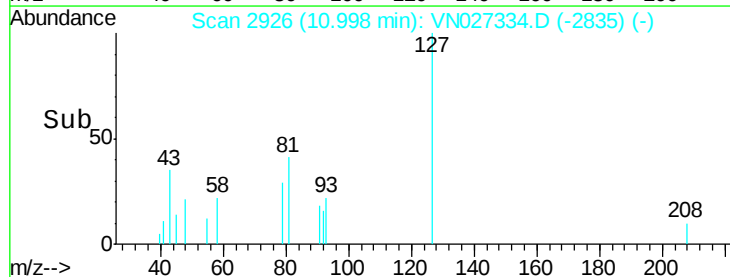
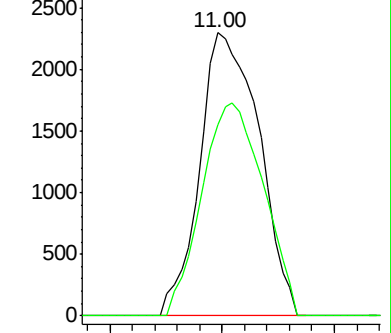
129 100

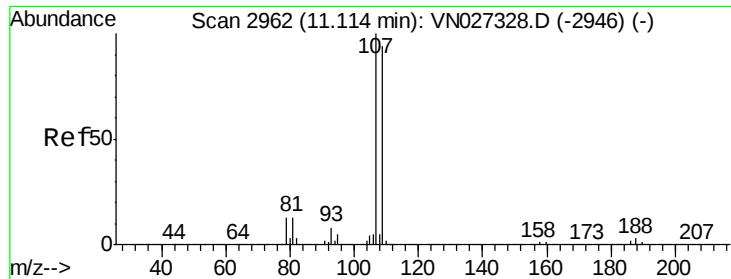
127 0.0 39.1 117.2#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

1,2-Dibromoethane

Concen: 62.64 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion: 107 Resp: 259081

Ion Ratio Lower Upper

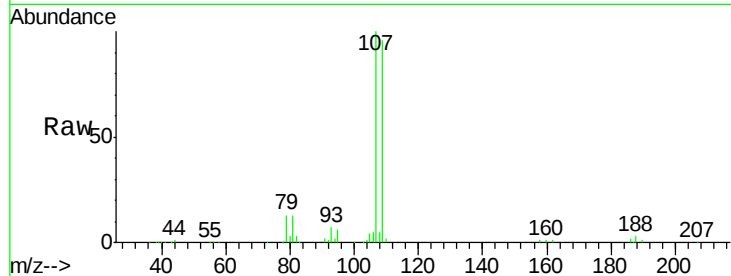
107 100

109 94.1 75.6 113.4

Manual Integrations
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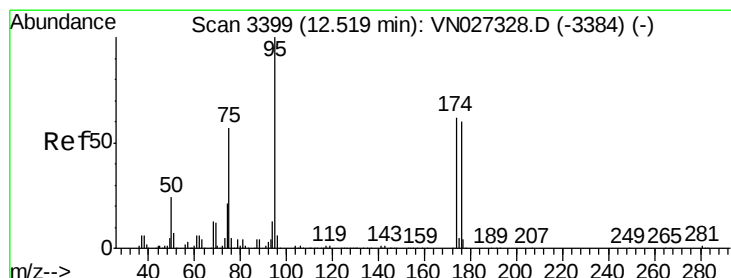
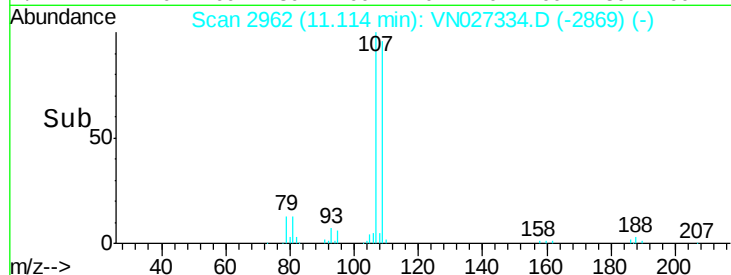
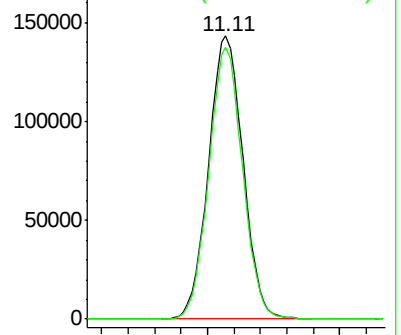
MMDadoda

9/23/2015 12:25:22 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#63

4-Bromofluorobenzene

Concen: 48.31 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. -0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

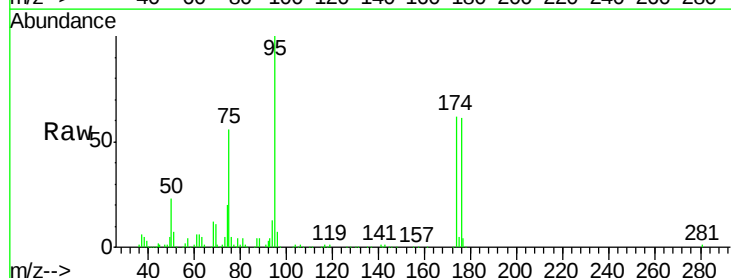
Tgt Ion: 95 Resp: 279059

Ion Ratio Lower Upper

95 100

174 62.3 0.0 137.0

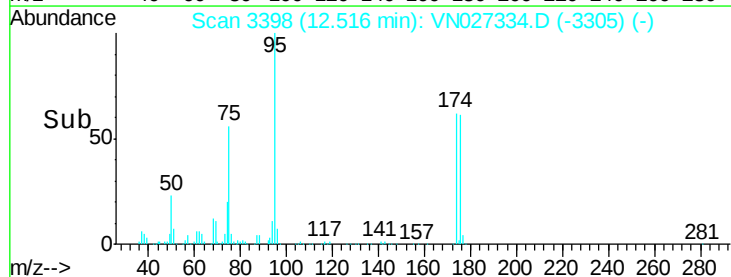
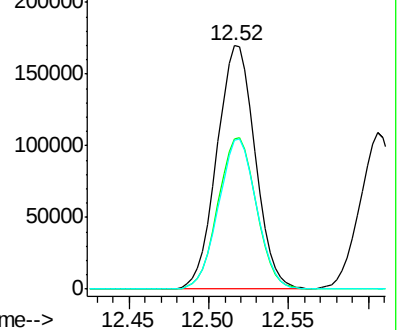
176 61.5 0.0 130.8

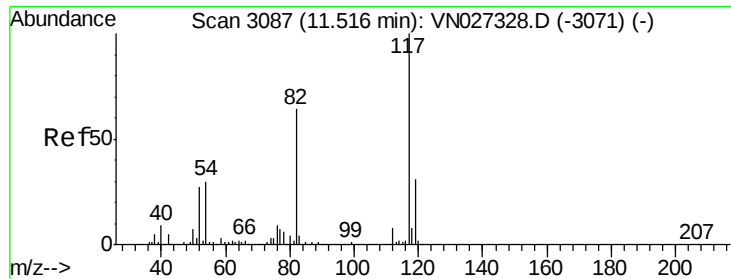


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





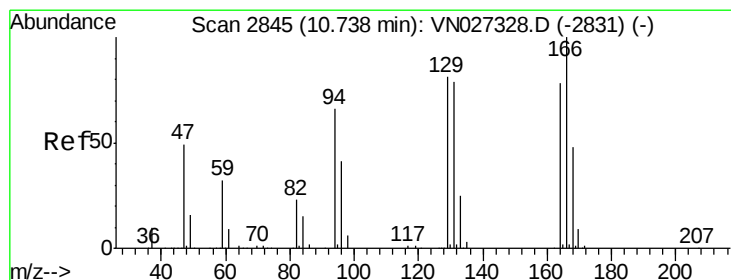
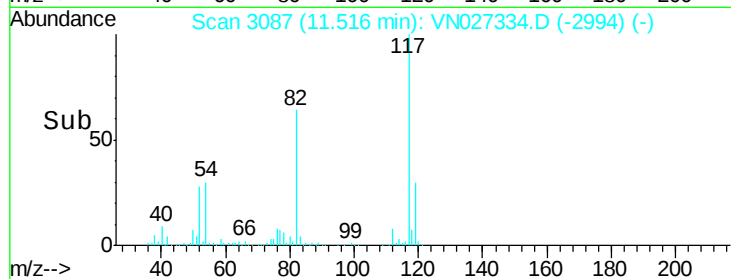
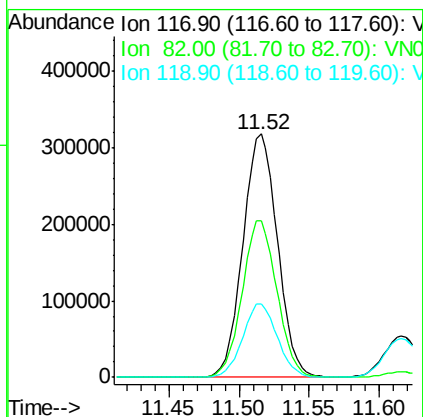
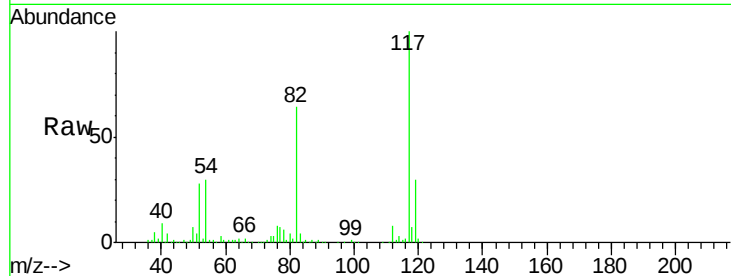
#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion	Ratio	Resp	Lower	Upper
117	100	547391		
82	64.1	49.6	74.4	
119	30.4	24.6	36.8	

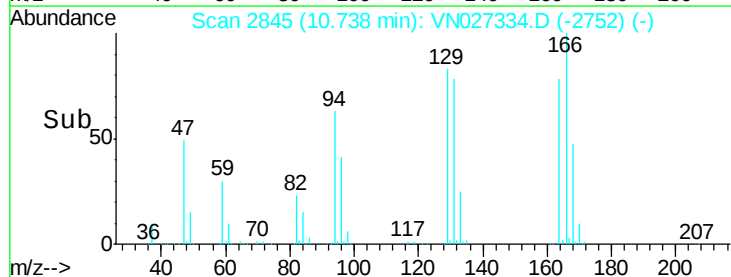
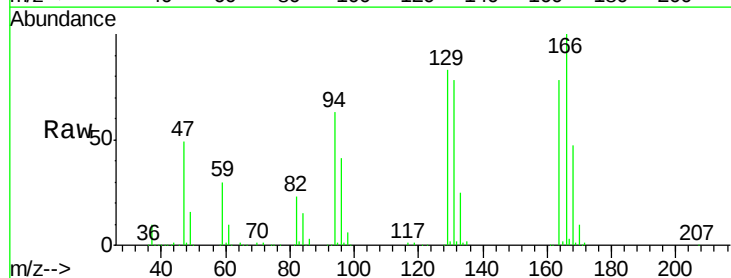
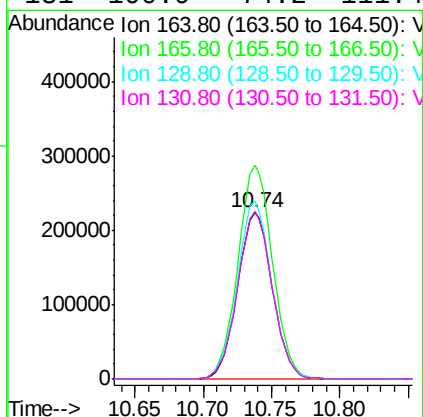
Manual Integrations
APPROVED

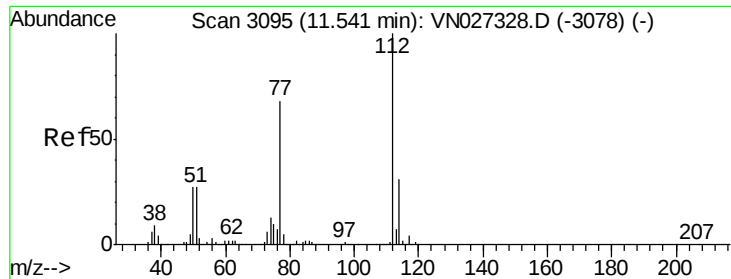
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#65
Tetrachloroethene
Concen: 121.68 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	396443		
166	128.6	103.4	155.0	
129	106.8	77.5	116.3	
131	100.9	74.2	111.4	





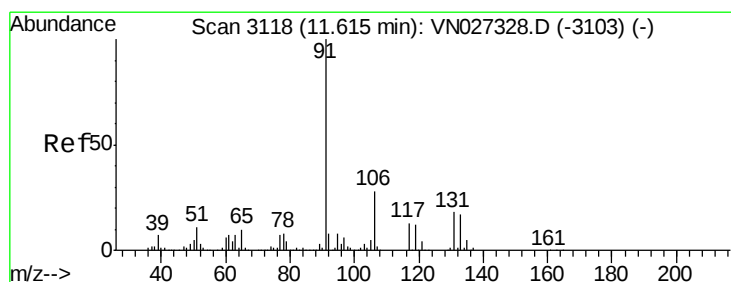
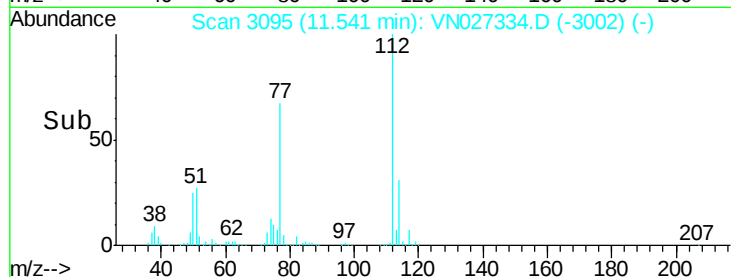
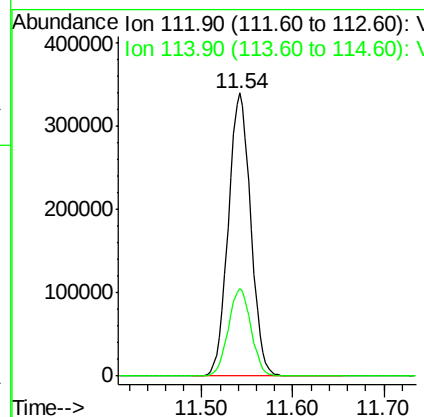
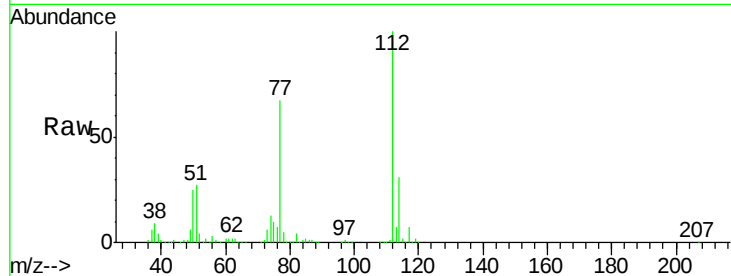
#66
Chlorobenzene
Concen: 49.52 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion	Ratio	Resp	Lower	Upper
112	100	581158		
114	31.1	24.9	37.3	

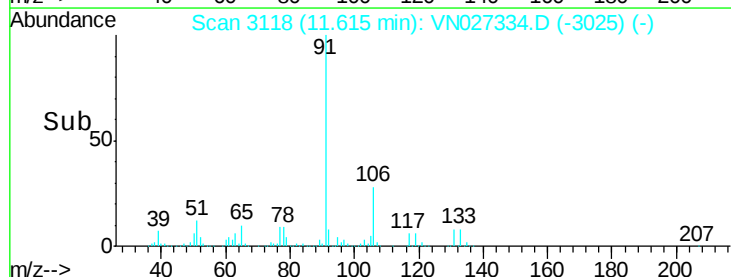
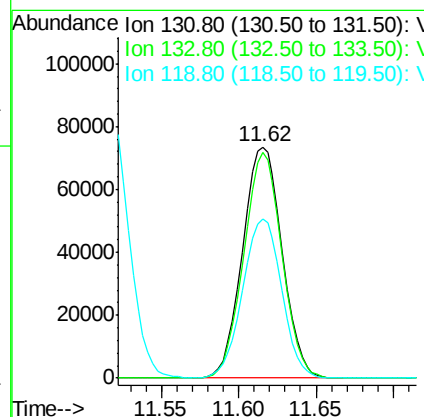
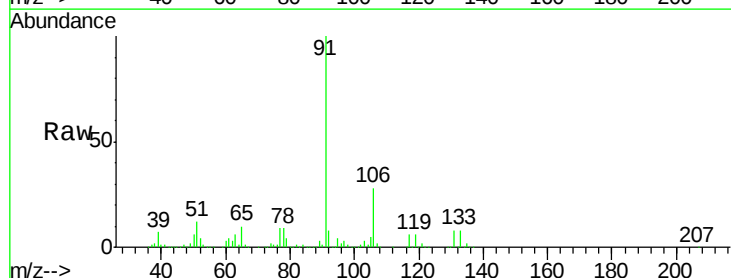
Manual Integrations
APPROVED

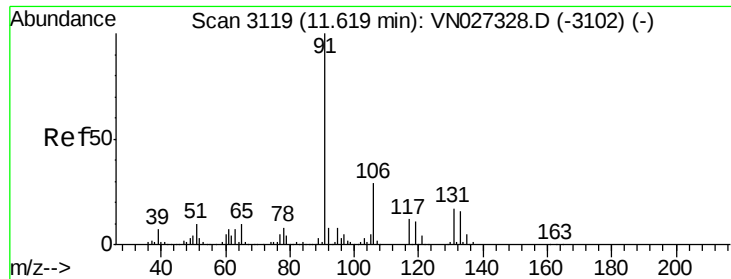
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#67
1,1,1,2-Tetrachloroethane
Concen: 33.19 ug/l
RT: 11.62 min Scan# 3118
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	130721		
133	94.2	47.0	141.2	
119	67.9	35.1	105.5	





#68

Ethyl Benzene

Concen: 69.40 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampled :

TRIPBLANK

Tot Ion: 91 Resp: 1536309

Ion Ratio Lower Upper

91 100

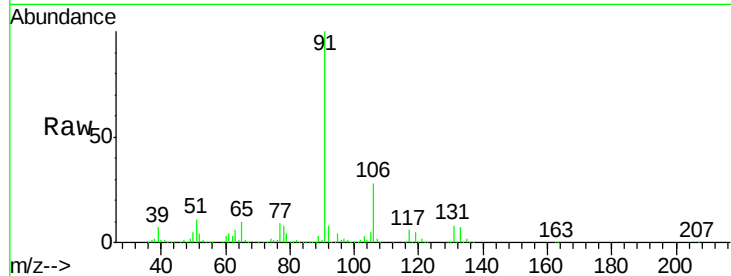
106 28.3 23.1 34.7

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN027334.D (-3026) (-)

Ion 106.00 (105.70 to 106.70): VN027334.D (-3026) (-)

2000000

1500000

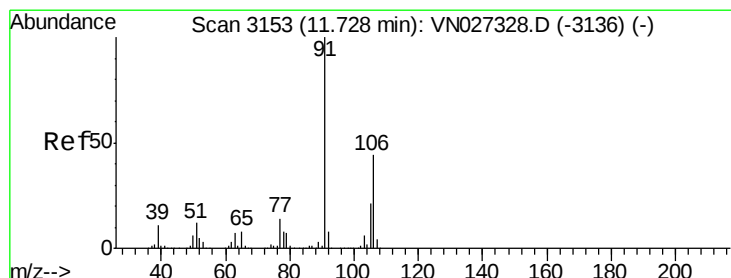
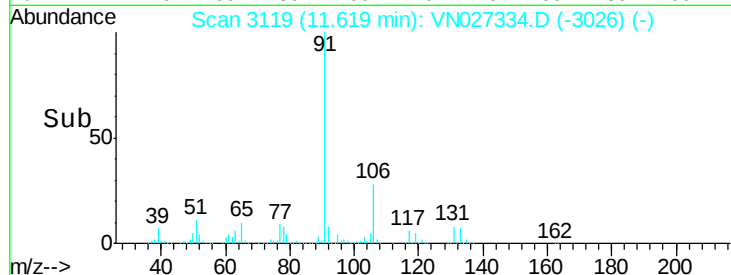
1000000

500000

0

11.55 11.60 11.65 11.70

Time-->



#69

m/p-Xylenes

Concen: 230.68 ug/l

RT: 11.73 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VN027334.D

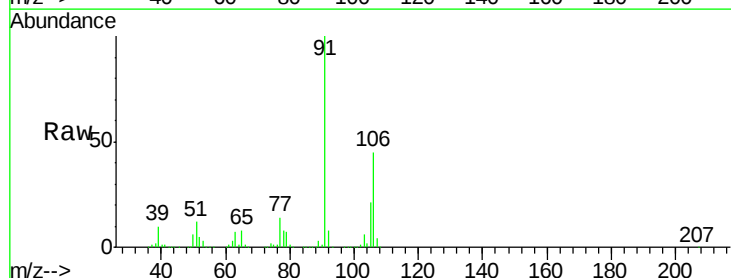
Acq: 21 Sep 2015 16:23

Tgt Ion:106 Resp: 1770454

Ion Ratio Lower Upper

106 100

91 223.8 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): VN027334.D (-3060) (-)

Ion 91.00 (90.70 to 91.70): VN027334.D (-3060) (-)

2000000

1500000

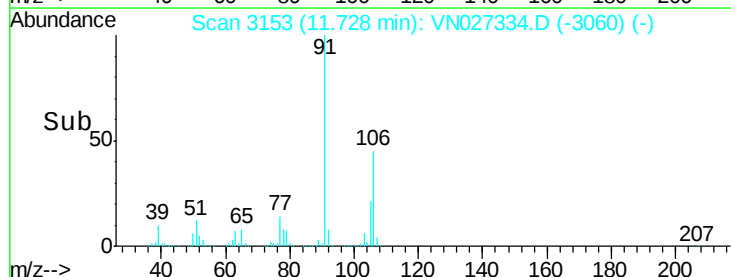
1000000

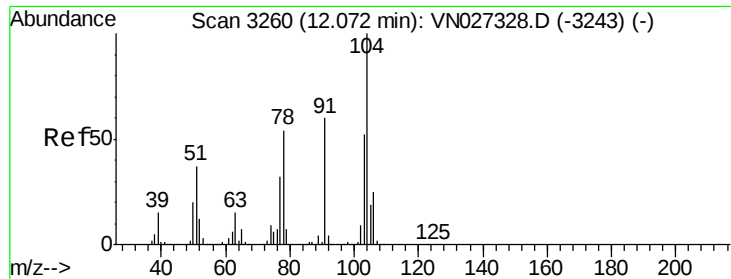
500000

0

11.70 11.75 11.80

Time-->





#71

Stvrene

Concen: 114.49 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion:104 Resp: 1413479

Ion Ratio Lower Upper

104 100

78 49.6 41.6 62.4

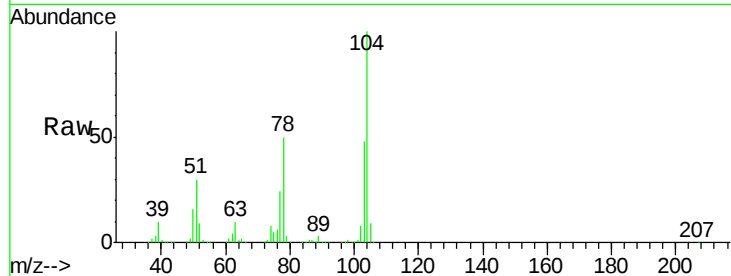
103 48.3 44.2 66.2

Manual Integrations

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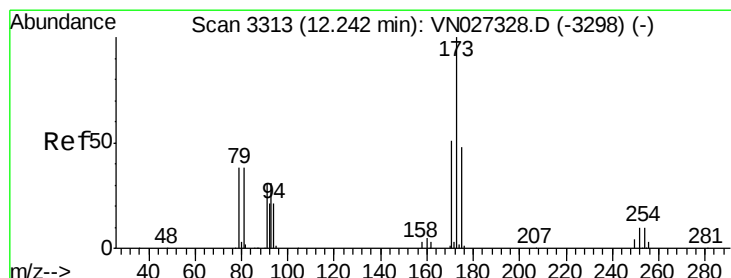
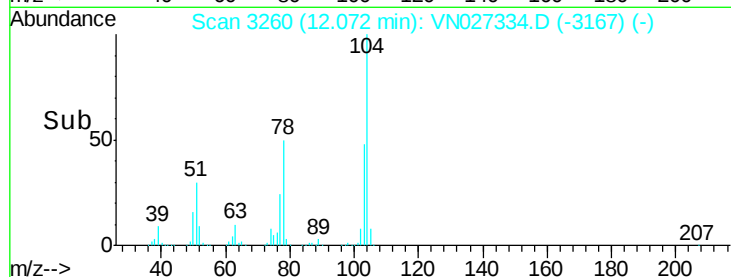
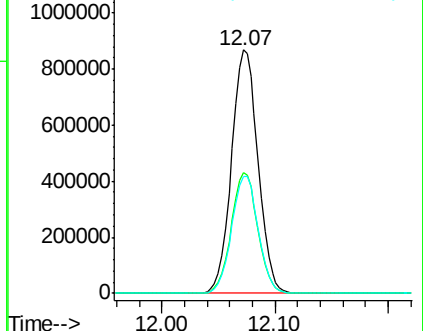
9/23/2015 12:25:22 PM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 52.88 ug/l

RT: 12.24 min Scan# 3312

Delta R.T. -0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

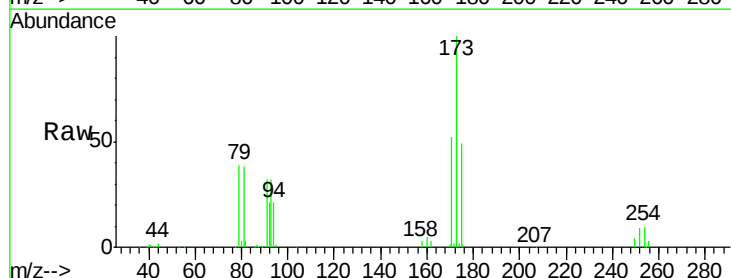
Tgt Ion:173 Resp: 139724

Ion Ratio Lower Upper

173 100

175 49.7 24.4 73.4

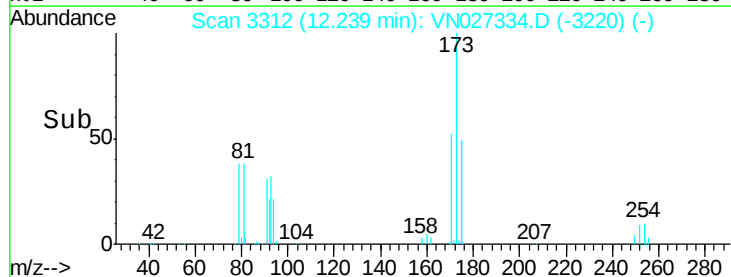
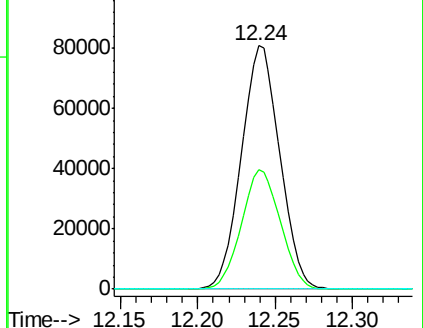
254 0.1 0.1 0.1

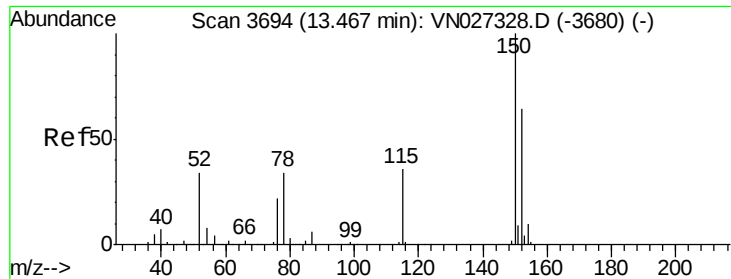


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

ClientSampleId :

TRIPBLANK

Tot Ion:152 Resp: 212129

Ion Ratio Lower Upper

152 100

115 69.7 30.8 92.3

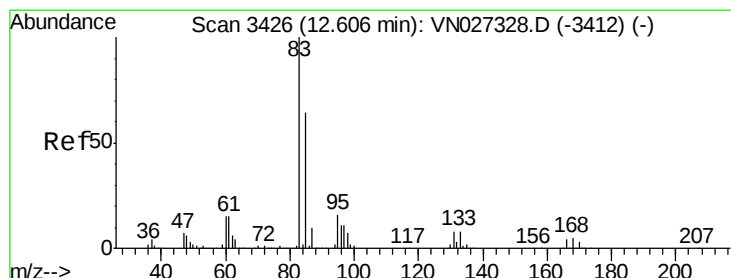
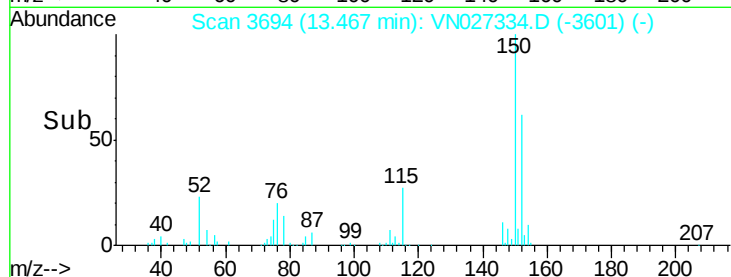
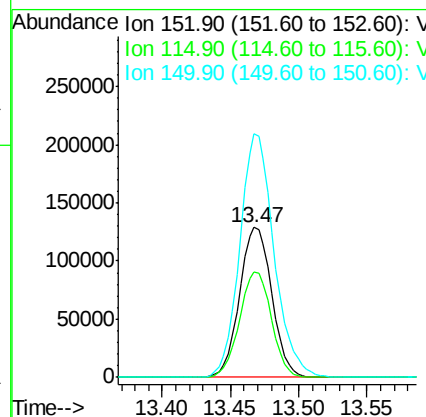
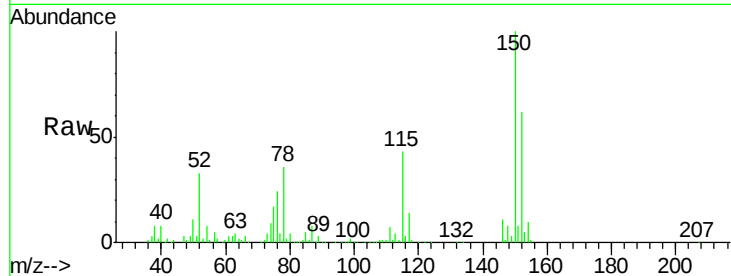
150 172.0 0.0 345.0

Manual Integrations

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9/23/2015 12:25:22 PM



#76

1,1,2,2-Tetrachloroethane

Concen: 184.40 ug/l

RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

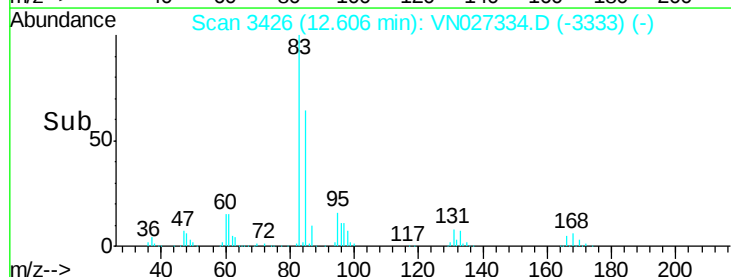
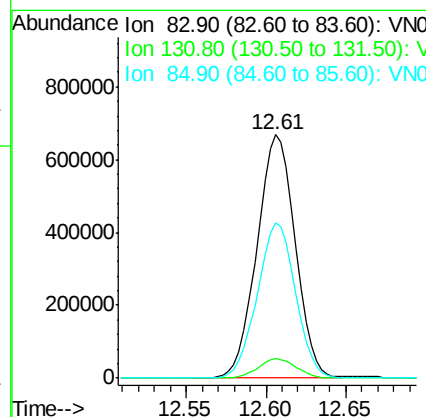
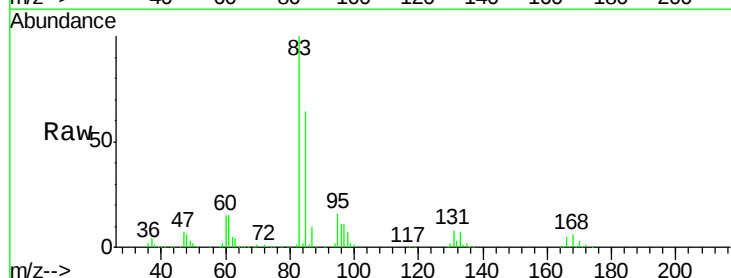
Tgt Ion: 83 Resp: 1103077

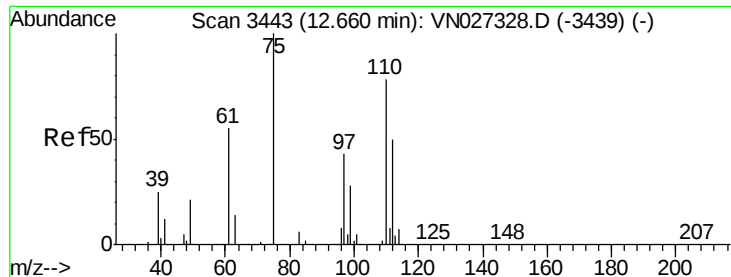
Ion Ratio Lower Upper

83 100

131 8.0 4.1 12.3

85 63.7 31.9 95.7





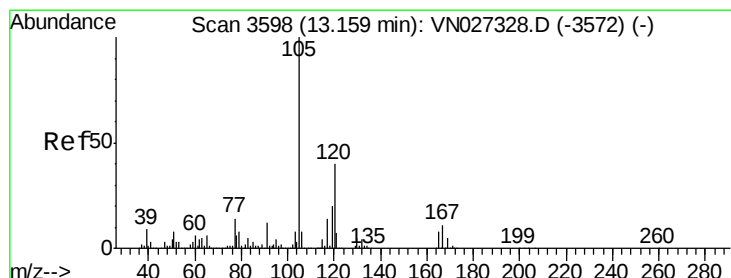
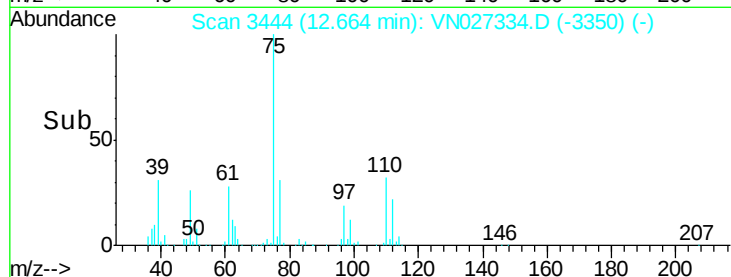
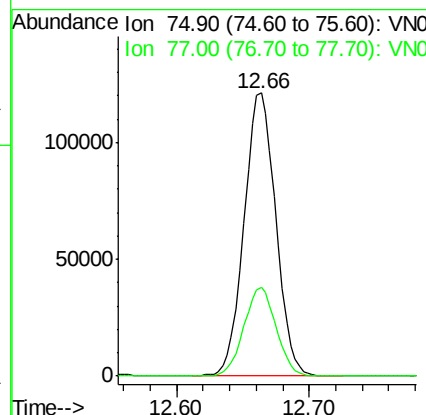
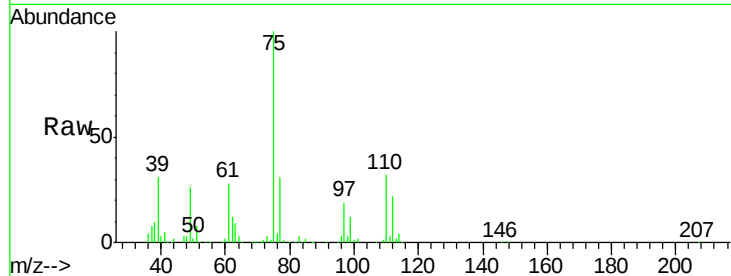
#77
 1,2,3-Trichloropropane
 Concen: 37.88 ug/l
 RT: 12.66 min Scan# 3444
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Instrument :
 MSVOA_N
 ClientSampled :
 TRIPBLANK

Tot Ion: 75 Resp: 201737
 Ion Ratio Lower Upper
 75 100
 77 31.6 103.1 309.3#

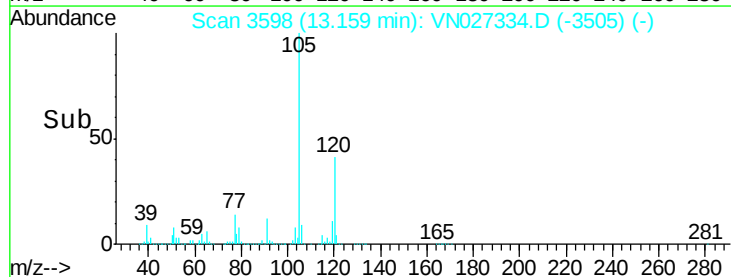
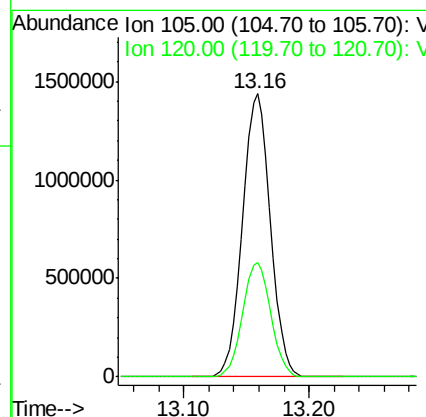
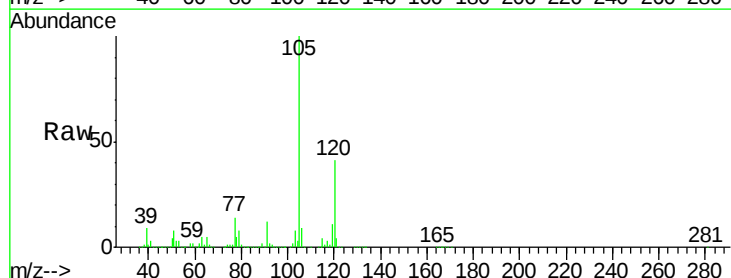
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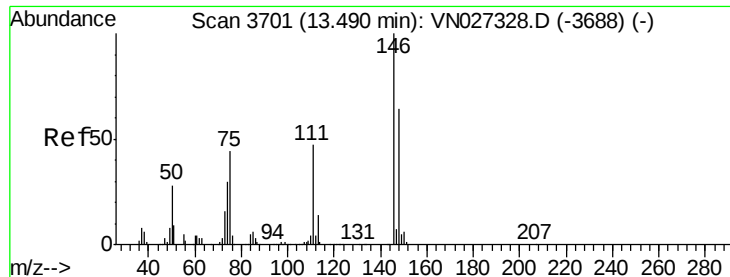
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#85
 1,2,4-Trimethylbenzene
 Concen: 129.70 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Tgt Ion: 105 Resp: 2215779
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.9 65.5





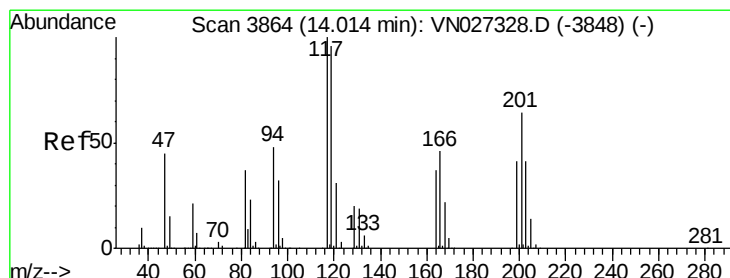
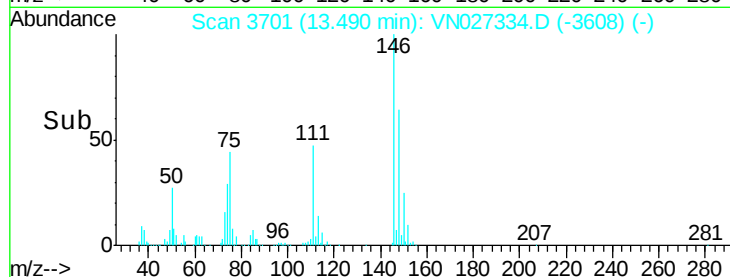
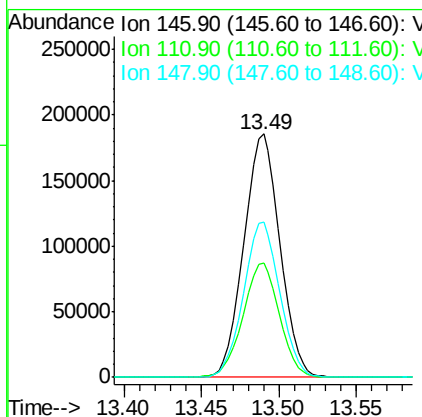
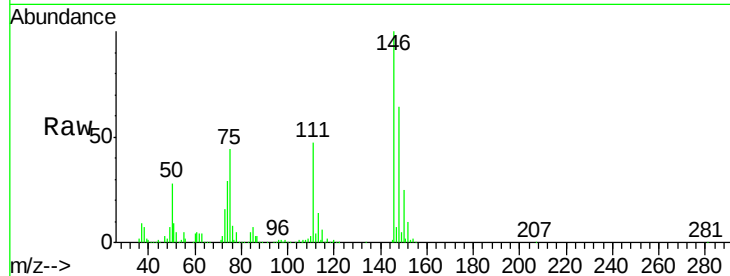
#89
 1,4-Dichlorobenzene
 Concen: 41.58 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.5	19.9	59.6
148	64.0	31.7	95.1

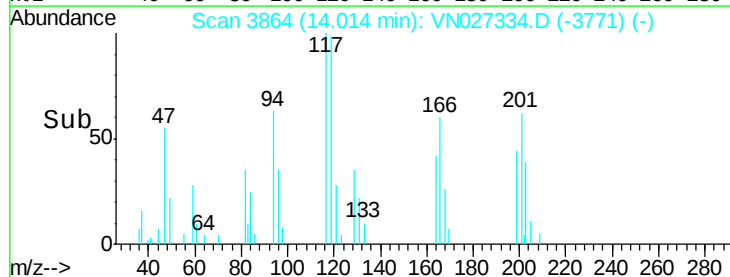
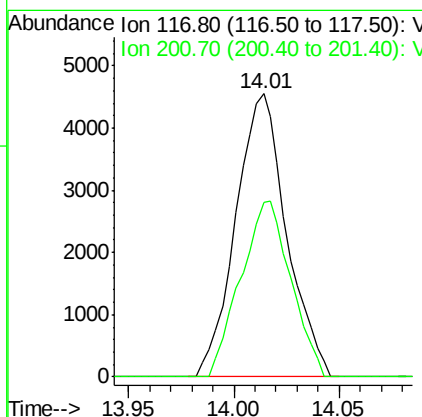
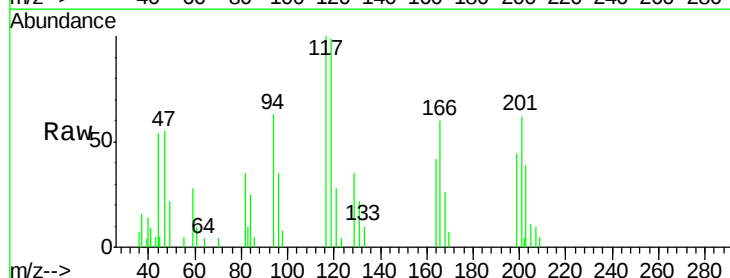
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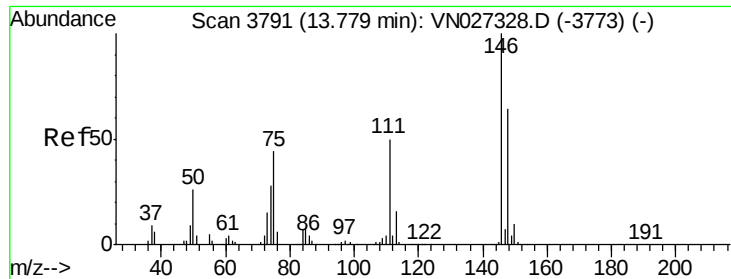
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#91
 Hexachloroethane
 Concen: 2.30 ug/l
 RT: 14.01 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	61.2	34.9	104.7





#92

1,2-Dichlorobenzene

Concen: 51.31 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Instrument :

MSVOA_N

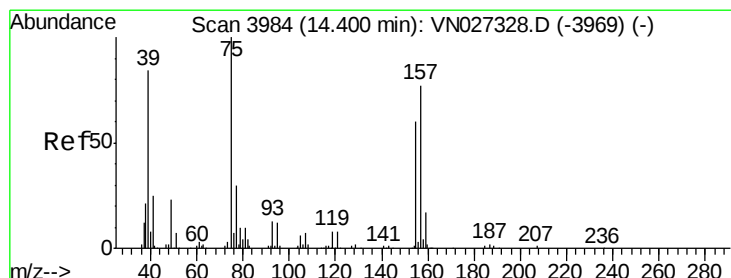
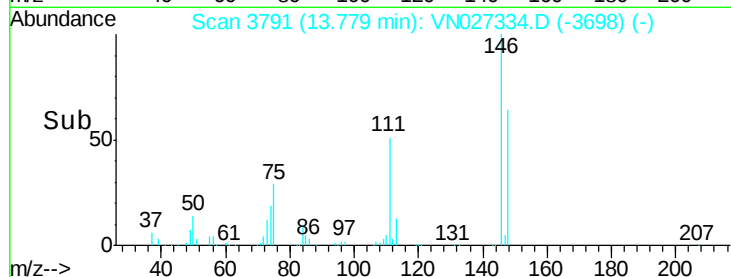
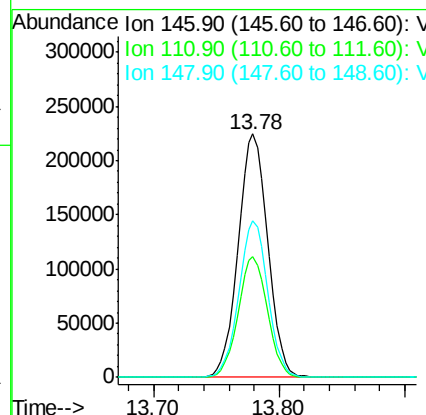
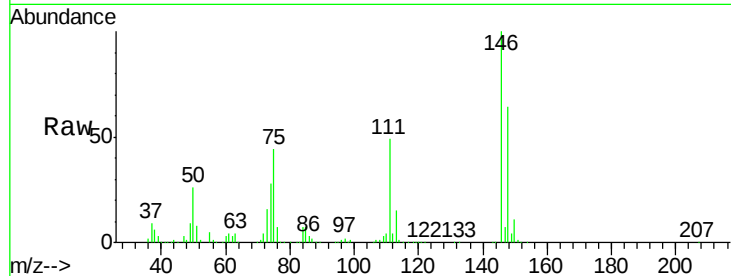
ClientSampleId :

TRIPBLANK

Tot Ion:	146	Resp:	367842
Ion Ratio	Lower	Upper	
146	100		
111	48.9	22.1	66.3
148	62.8	32.0	96.0

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#93

1,2-Dibromo-3-Chloropropane

Concen: 136.28 ug/l

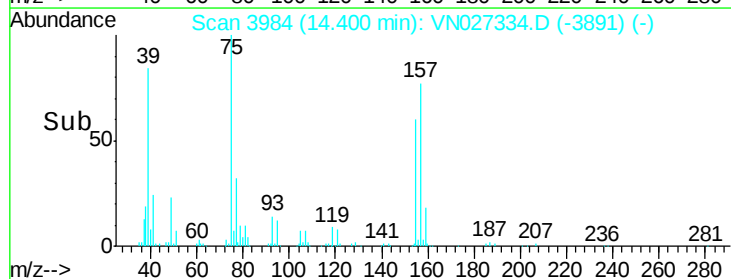
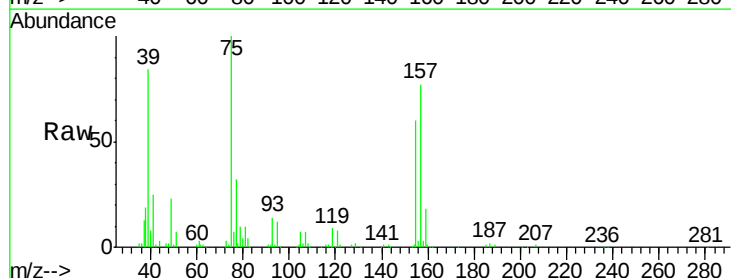
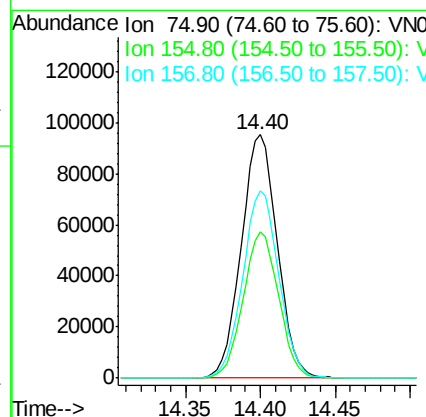
RT: 14.40 min Scan# 3984

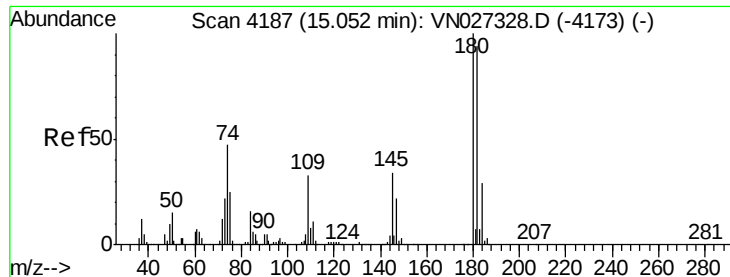
Delta R.T. 0.00 min

Lab File: VN027334.D

Acq: 21 Sep 2015 16:23

Tgt Ion:	75	Resp:	159768
Ion Ratio	Lower	Upper	
75	100		
155	59.1	35.6	106.9
157	76.8	44.6	133.8





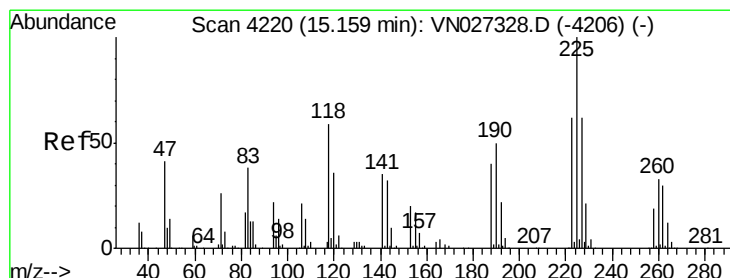
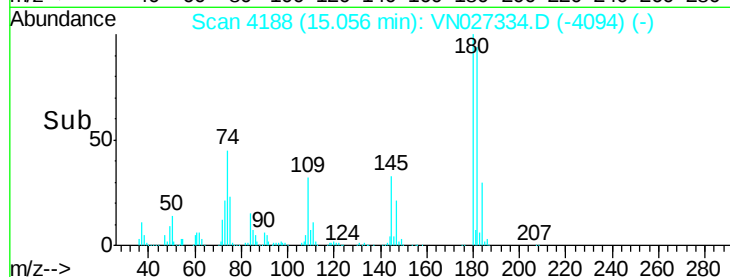
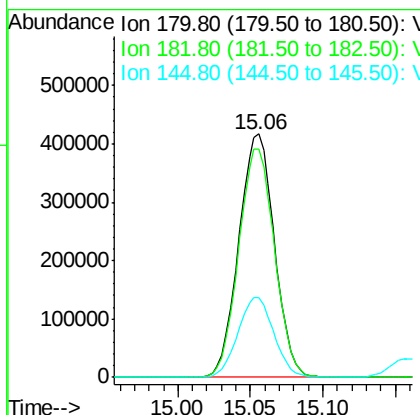
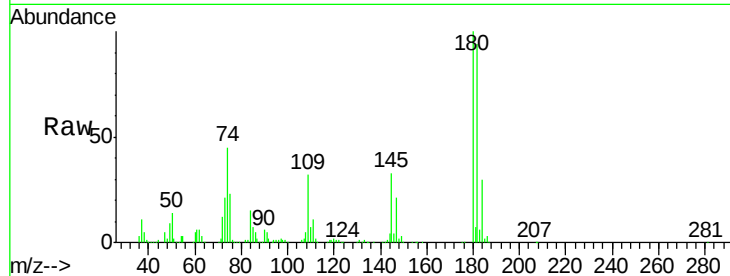
#94
 1,2,4-Trichlorobenzene
 Concen: 192.09 ug/l
 RT: 15.06 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIPBLANK

Tot Ion	Ratio	Resp	Lower	Upper
180	100	711606		
182	94.8	47.5	142.5	
145	33.2	15.1	45.3	

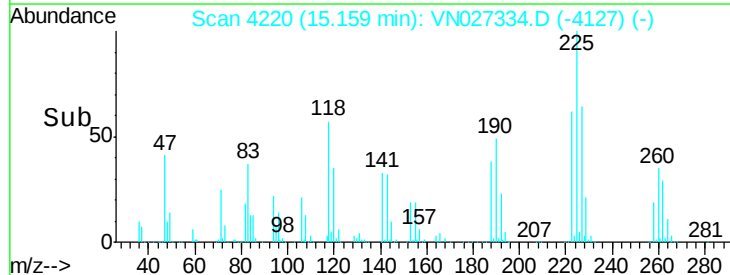
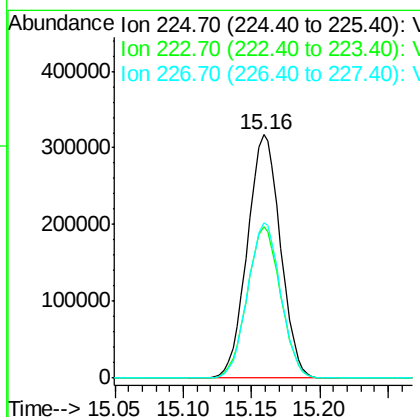
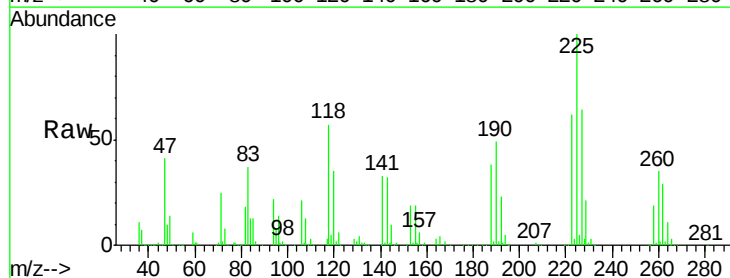
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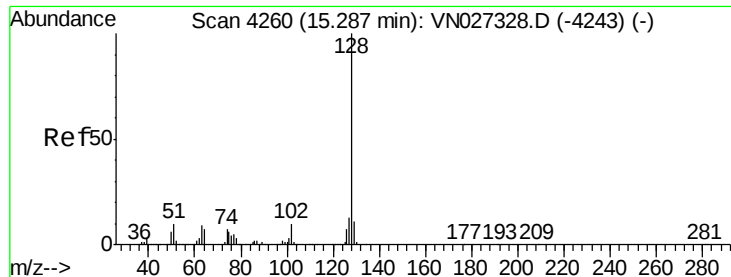
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#95
 Hexachlorobutadiene
 Concen: 262.64 ug/l
 RT: 15.16 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: VN027334.D
 Acq: 21 Sep 2015 16:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	533099		
223	62.8	30.8	92.3	
227	63.7	31.7	95.1	





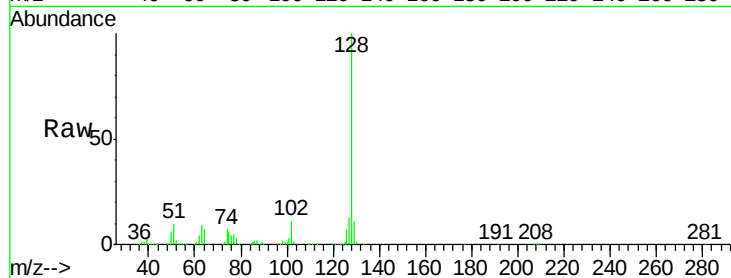
#96
Naphthalene
Concen: 110.06 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN027334.D
Acq: 21 Sep 2015 16:23

Instrument :
MSVOA_N
ClientSampleId :
TRIPBLANK

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	10.6	8.6	12.8

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

