

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027325.D
 Acq On : 21 Sep 2015 10:13
 Operator : MD\FY
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:27:40 PM

Quant Time: Sep 21 13:08:08 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	590691	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1069359	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	873983	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	296159	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	12596	1.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.08%	
36) Dibromofluoromethane	7.68	113	7722	1.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.08%	
51) Toluene-d8	10.19	98	29521	1.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.04%	
63) 4-Bromofluorobenzene	12.52	95	10935	1.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	6664	0.94	ug/l	97
3) Chlorodifluoromethane	1.82	51	8202	1.00	ug/l #	86
4) Chloromethane	2.01	50	8363	0.98	ug/l	90
5) Vinyl Chloride	2.14	62	8915	1.07	ug/l	98
6) Bromomethane	2.54	94	3434	0.81	ug/l	98
7) Chloroethane	2.69	64	5845	1.03	ug/l	97
8) Trichlorofluoromethane	3.02	101	11937	0.95	ug/l	96
9) Diethyl Ether	3.44	74	5367	0.93	ug/l	89
10) 1,1,2-Trichlorotrifluoroet	3.79	101	7694	0.97	ug/l #	67
11) Methyl Iodide	3.99	142	2153	0.28	ug/l #	89
13) 1,1-Dichloroethene	3.76	96	7113	0.94	ug/l	93
15) Allvl chloride	4.37	41	14725	0.96	ug/l #	80
16) Acrylonitrile	5.06	53	17473m	4.51	ug/l	
17) Acetone	3.85	43	17061	5.23	ug/l	94
18) Carbon Disulfide	4.11	76	21953	0.89	ug/l #	90
19) Methyl Acetate	4.38	43	15877	0.67	ug/l	100
20) Methyl tert-butyl Ether	5.12	73	27961	0.92	ug/l	97
21) Methylene Chloride	4.61	84	9535m	1.05	ug/l	
22) trans-1,2-Dichloroethene	5.12	96	8367	1.02	ug/l #	75
23) Diisopropyl ether	6.04	45	30503	0.95	ug/l #	87
24) Vinyl Acetate	6.00	43	29393m	2.76	ug/l	
25) 1,1-Dichloroethane	5.93	63	18006	0.96	ug/l #	91
26) 2-Butanone	6.94	43	17573	3.58	ug/l	92
27) 2,2-Dichloropropane	6.92	77	13711	0.85	ug/l	90
28) cis-1,2-Dichloroethene	6.92	96	9683	1.03	ug/l	98
29) Bromochloromethane	7.29	49	6965	0.96	ug/l #	97
30) Tetrahydrofuran	7.33	42	13098	3.87	ug/l #	90
31) Chloroform	7.46	83	16154	0.96	ug/l	96
32) Cyclohexane	7.76	56	33074	1.60	ug/l #	39
33) 1,1,1-Trichloroethane	7.67	97	15358	1.02	ug/l #	54
37) 1,1-Dichloropropene	7.90	75	12600	1.01	ug/l	97
38) Ethyl Acetate	7.04	43	8098m	0.70	ug/l	
39) Carbon Tetrachloride	7.87	117	11811	1.00	ug/l	91
40) Methylcyclohexane	9.19	83	13975	0.92	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Benzene	8.14	78	36571	1.00	ug/l	98
42) Methacrylonitrile	7.27	41	5657m	0.93	ug/l	
43) 1,2-Dichloroethane	8.22	62	14741	1.00	ug/l	96
44) Isopropyl Acetate	8.25	43	17498	0.87	ug/l #	92
45) Trichloroethene	8.94	130	7263	0.99	ug/l	95
46) 1,2-Dichloropropane	9.22	63	10123	0.96	ug/l	99
47) Dibromomethane	9.31	93	6235	1.01	ug/l	86
48) Bromodichloromethane	9.49	83	12673	0.97	ug/l #	91
49) Methyl methacrylate	9.30	41	6862	0.69	ug/l #	76
50) 1,4-Dioxane	9.31	88	2109	18.04	ug/l #	73
52) 4-Methyl-2-Pentanone	10.07	43	45157	4.27	ug/l	97
53) Toluene	10.26	92	21136	0.99	ug/l	92
54) t-1,3-Dichloropropene	10.48	75	12517	0.86	ug/l	93
55) cis-1,3-Dichloropropene	9.93	75	13934	0.88	ug/l #	90
56) 1,1,2-Trichloroethane	10.66	97	7908	0.98	ug/l	93
57) Ethyl methacrylate	10.53	69	12281	0.91	ug/l #	88
58) 1,3-Dichloropropane	10.81	76	14548	0.97	ug/l	97
59) 2-Chloroethyl Vinyl ether	9.79	63	23374	3.76	ug/l	94
60) 2-Hexanone	10.84	43	30194	4.19	ug/l	99
61) Dibromochloromethane	11.00	129	6977	0.85	ug/l	99
62) 1,2-Dibromoethane	11.12	107	7147	0.90	ug/l	98
65) Tetrachloroethene	10.74	164	6180	1.11	ug/l	86
66) Chlorobenzene	11.54	112	20149	0.98	ug/l	97
67) 1,1,1,2-Tetrachloroethane	11.61	131	6444	0.92	ug/l #	54
68) Ethyl Benzene	11.62	91	37029	0.95	ug/l	98
69) m/p-Xylenes	11.73	106	25792	1.91	ug/l	91
70) o-Xylene	12.06	106	13528	1.00	ug/l	99
71) Stvrene	12.07	104	19916	0.91	ug/l	93
72) Bromoform	12.24	173	4267	0.87	ug/l #	95
74) Isopropylbenzene	12.36	105	31787	0.97	ug/l	94
75) N-amyl acetate	12.17	43	11435	0.79	ug/l #	91
76) 1,1,2,2-Tetrachloroethane	12.61	83	10302	1.06	ug/l	93
77) 1,2,3-Trichloropropane	12.66	75	8447m	0.94	ug/l	
78) Bromobenzene	12.65	156	6593	1.03	ug/l	87
79) n-propylbenzene	12.71	91	37621	0.98	ug/l	100
80) 2-Chlorotoluene	12.79	91	24537	1.06	ug/l	97
81) 1,3,5-Trimethylbenzene	12.85	105	26054	0.99	ug/l	99
82) trans-1,4-Dichloro-2-buten	12.41	75	2954	0.81	ug/l #	85
83) 4-Chlorotoluene	12.89	91	23046	1.02	ug/l	95
84) tert-Butylbenzene	13.11	119	21152	0.98	ug/l	85
85) 1,2,4-Trimethylbenzene	13.16	105	25037	0.95	ug/l	95
86) sec-Butylbenzene	13.29	105	30415	0.96	ug/l	98
87) p-Isopropyltoluene	13.41	119	21516	0.88	ug/l	90
88) 1,3-Dichlorobenzene	13.41	146	10497	0.96	ug/l	89
89) 1,4-Dichlorobenzene	13.48	146	11734	1.06	ug/l	88
90) n-Butylbenzene	13.74	91	20556	0.87	ug/l	99
91) Hexachloroethane	14.01	117	5128	0.96	ug/l	85
92) 1,2-Dichlorobenzene	13.78	146	10832	1.00	ug/l	93
93) 1,2-Dibromo-3-Chloropropan	14.40	75	1904	0.90	ug/l	73
94) 1,2,4-Trichlorobenzene	15.05	180	4437	0.76	ug/l	92

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VSTDICC001

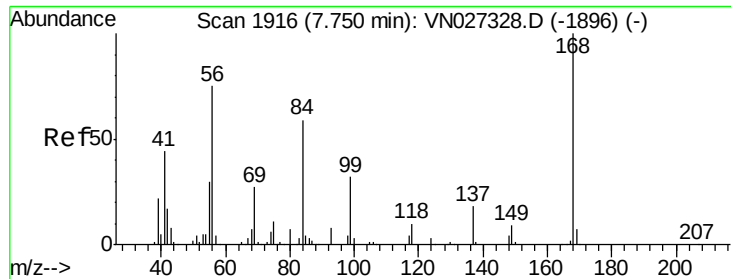
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 21 12:16:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Hexachlorobutadiene	15.16	225	3105	1.01	ug/l	87
96) Naphthalene	15.29	128	10199	0.60	ug/l	98
97) 1,2,3-Trichlorobenzene	15.47	180	4662	0.80	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:168 Resp: 590691

Ion Ratio Lower Upper

168 100

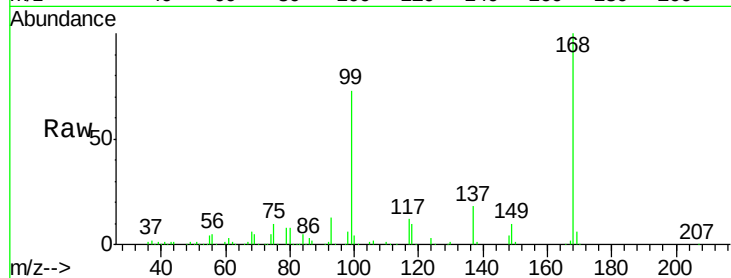
99 72.6 50.4 75.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.75

250000

200000

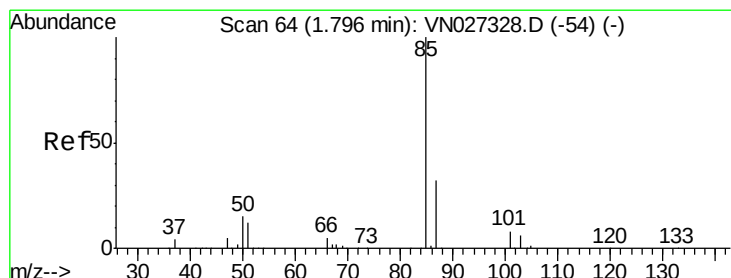
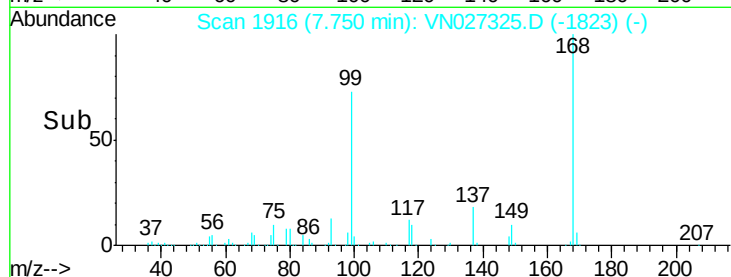
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.94 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027325.D

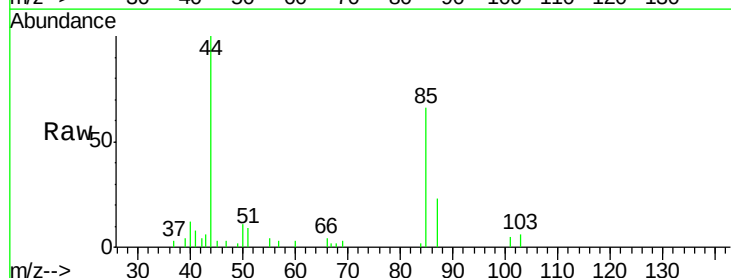
Acq: 21 Sep 2015 10:13

Tgt Ion: 85 Resp: 6664

Ion Ratio Lower Upper

85 100

87 34.4 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.80

5000

4000

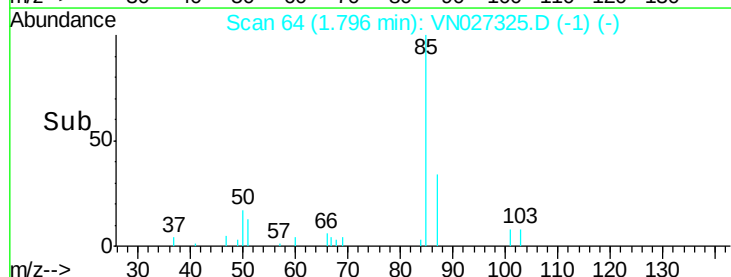
3000

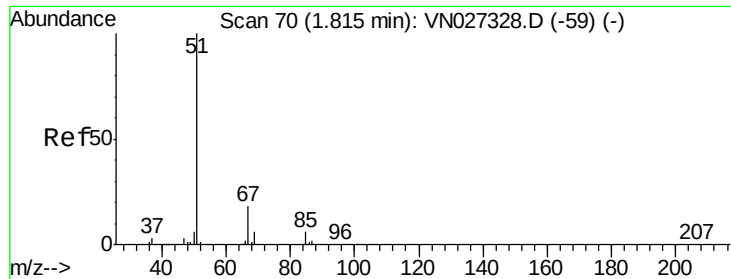
2000

1000

0

Time-->





#3

Chlorodifluoromethane

Concen: 1.00 ug/l

RT: 1.82 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 8202

Ion Ratio Lower Upper

51 100

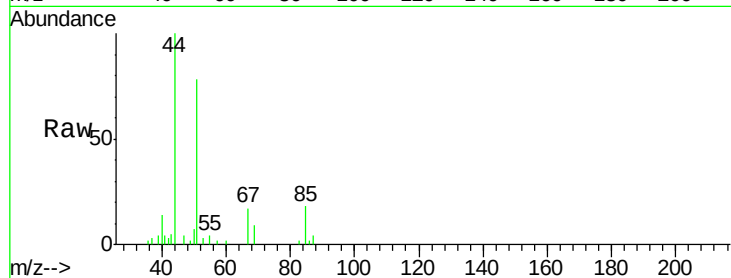
67 20.9 12.2 18.2#

Manual Integrations

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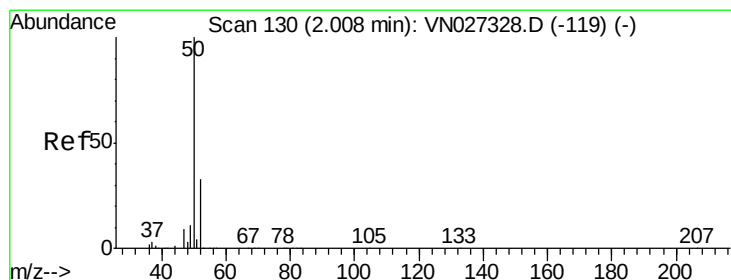
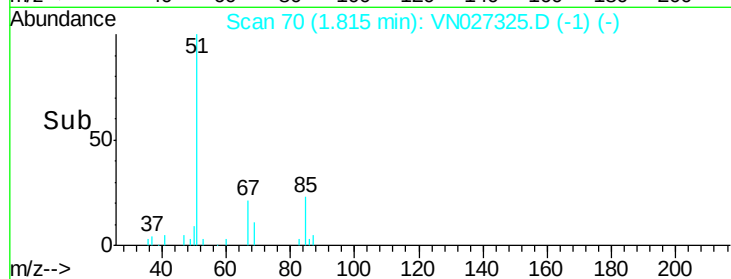
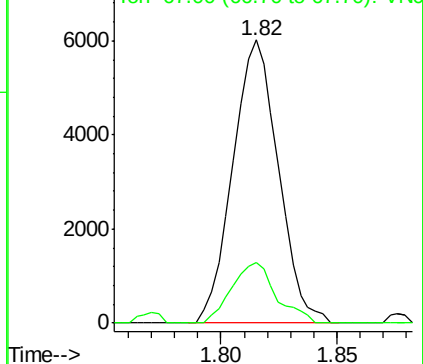
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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 0.98 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027325.D

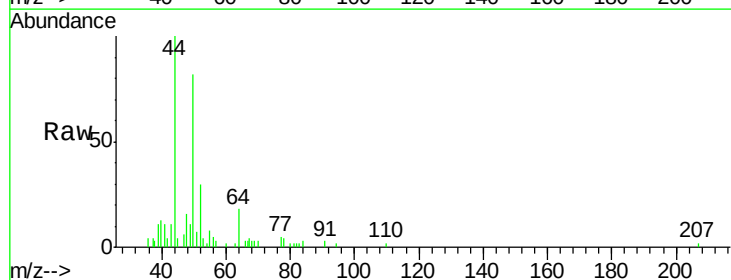
Acq: 21 Sep 2015 10:13

Tgt Ion: 50 Resp: 8363

Ion Ratio Lower Upper

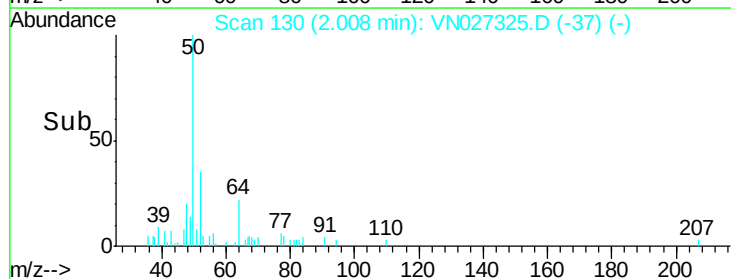
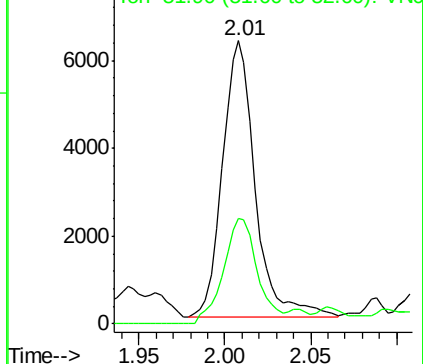
50 100

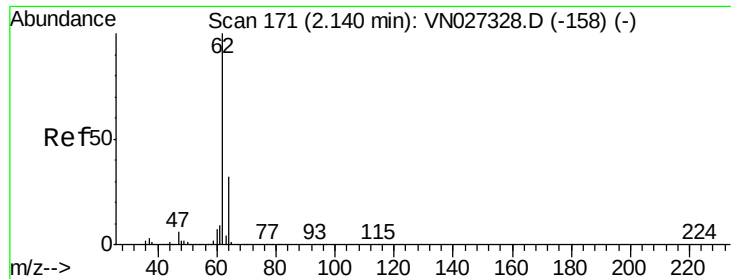
52 38.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 1.07 ug/l

RT: 2.14 min Scan# 172

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 62 Resp: 8915

Ion Ratio Lower Upper

62 100

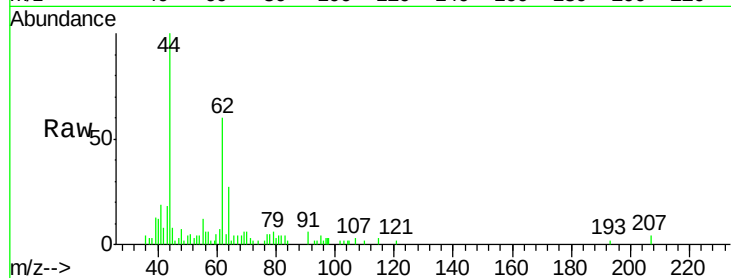
64 33.8 25.9 38.9

Manual Integrations

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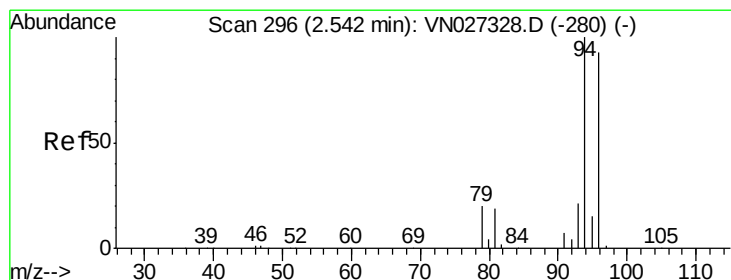
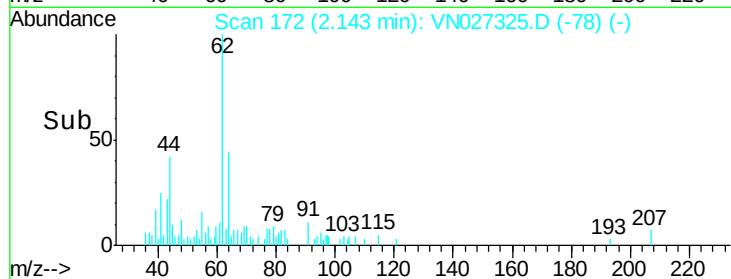
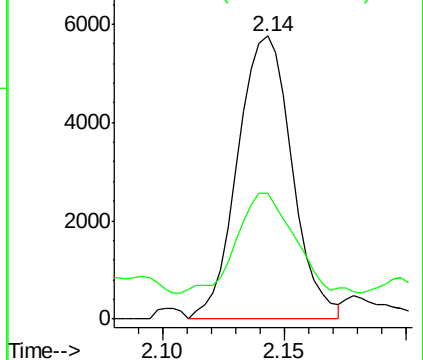
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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#6

Bromomethane

Concen: 0.81 ug/l

RT: 2.54 min Scan# 296

Delta R.T. -0.00 min

Lab File: VN027325.D

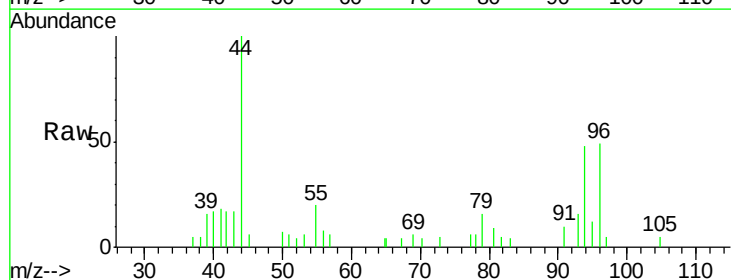
Acq: 21 Sep 2015 10:13

Tgt Ion: 94 Resp: 3434

Ion Ratio Lower Upper

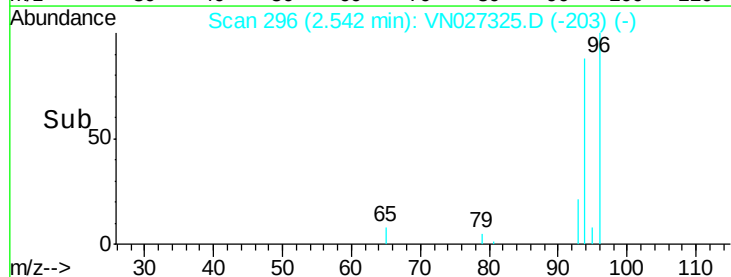
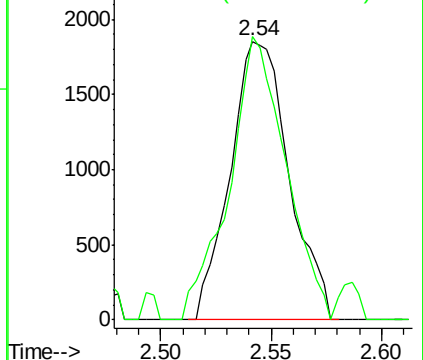
94 100

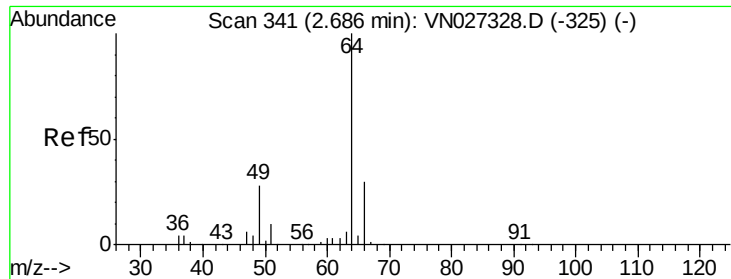
96 93.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#7

Chloroethane

Concen: 1.03 ug/l

RT: 2.69 min Scan# 341

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 5845

Ion Ratio Lower Upper

64 100

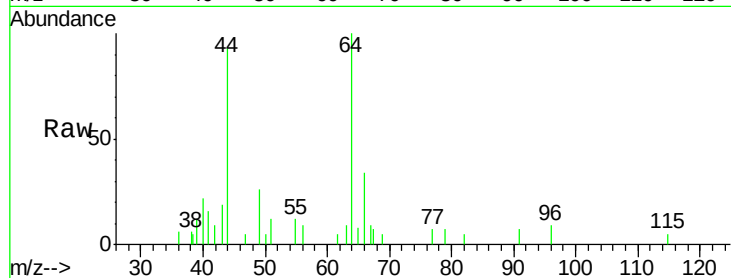
66 33.7 25.5 38.3

Manual Integrations

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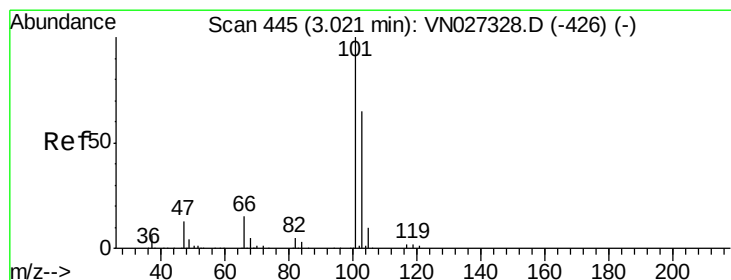
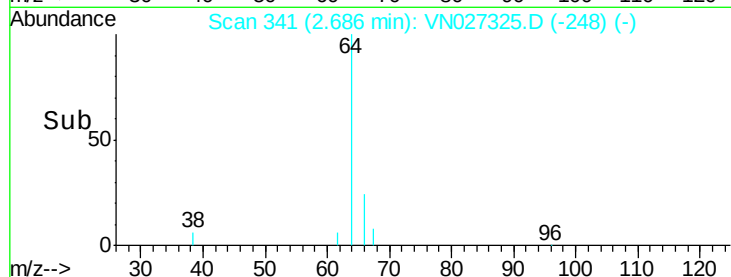
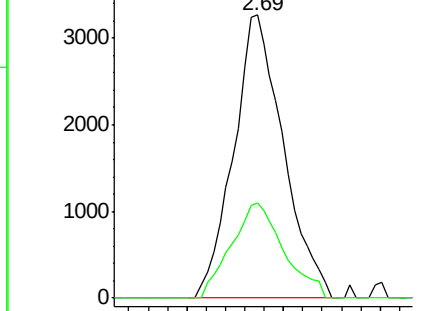
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Abundance Ion 63.90 (63.60 to 64.60): VN027325.D (-248) (-)

Ion 65.90 (65.60 to 66.60): VN027325.D (-248) (-)



#8

Trichlorofluoromethane

Concen: 0.95 ug/l

RT: 3.02 min Scan# 444

Delta R.T. -0.00 min

Lab File: VN027325.D

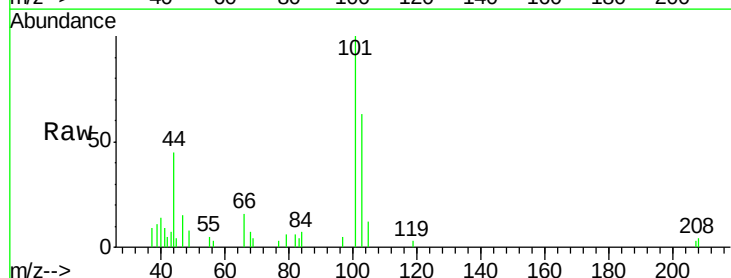
Acq: 21 Sep 2015 10:13

Tgt Ion:101 Resp: 11937

Ion Ratio Lower Upper

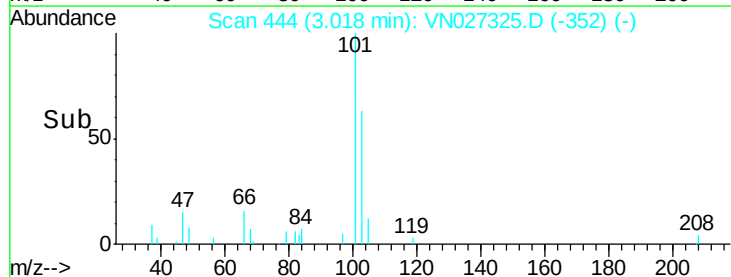
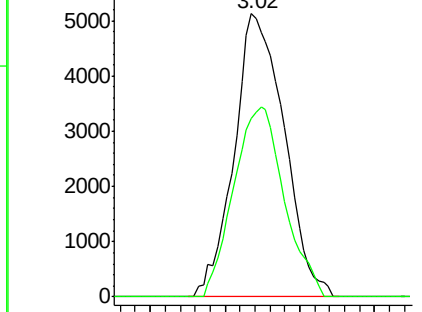
101 100

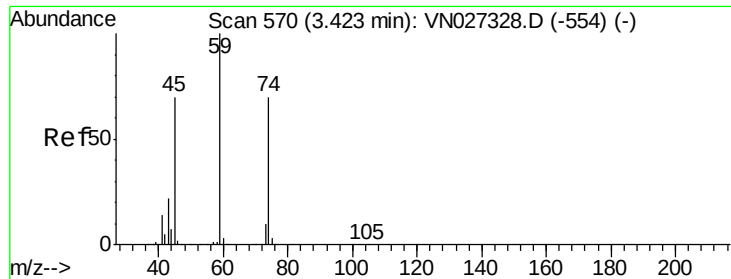
103 63.0 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): VN027325.D (-352) (-)

Ion 102.80 (102.50 to 103.50): VN027325.D (-352) (-)





#9

Diethyl Ether

Concen: 0.93 ug/l

RT: 3.44 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 74 Resp: 5367

Ion Ratio Lower Upper

74 100

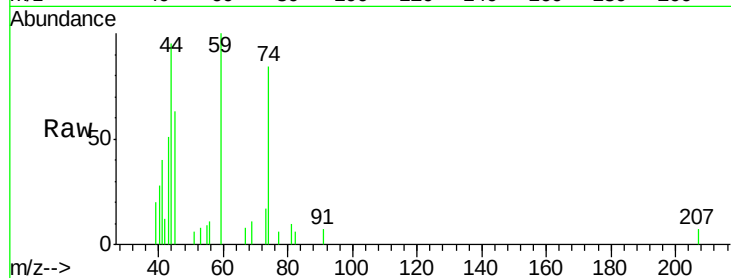
45 104.1 58.1 174.3

Manual Integrations

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Abundance Ion 74.00 (73.70 to 74.70): VN027328.D (-554) (-)

Ion 45.00 (44.70 to 45.70): VN027328.D (-554) (-)

3.44

2500

2000

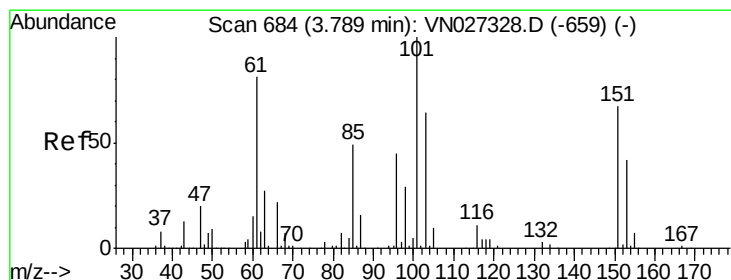
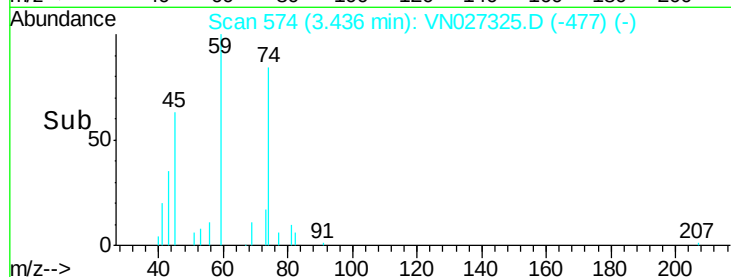
1500

1000

500

0

Time--> 3.35 3.40 3.45 3.50



#10

1,1,2-Trichlorotrifluoroethane

Concen: 0.97 ug/l

RT: 3.79 min Scan# 683

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

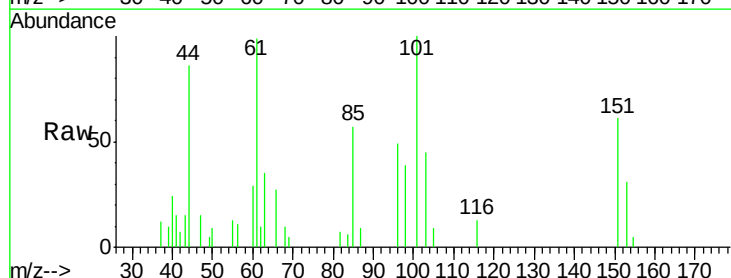
Tgt Ion: 101 Resp: 7694

Ion Ratio Lower Upper

101 100

85 50.9 37.4 56.0

151 28.1 55.9 83.9#



Abundance Ion 100.90 (100.60 to 101.60): VN027328.D (-659) (-)

Ion 84.90 (84.60 to 85.60): VN027328.D (-659) (-)

Ion 150.80 (150.50 to 151.50): VN027328.D (-659) (-)

3.79

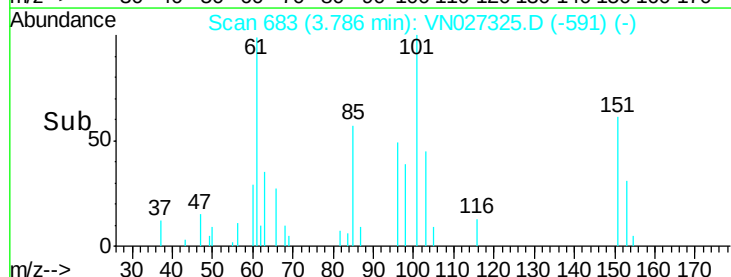
3000

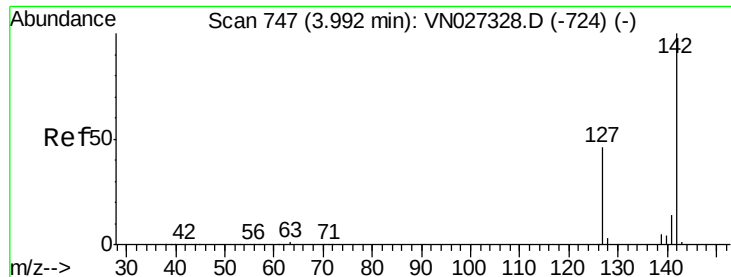
2000

1000

0

Time--> 3.70 3.75 3.80 3.85





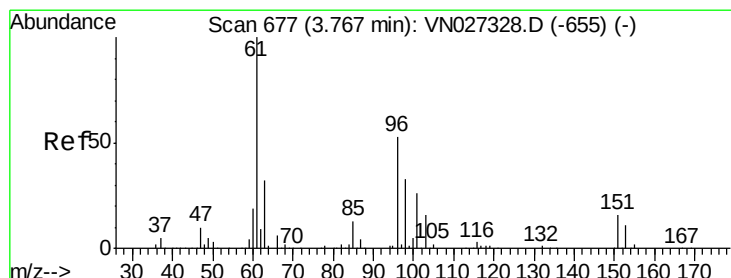
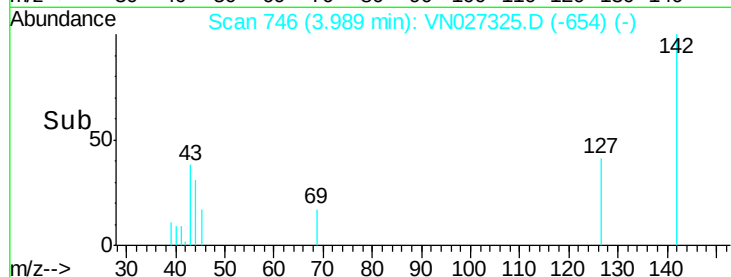
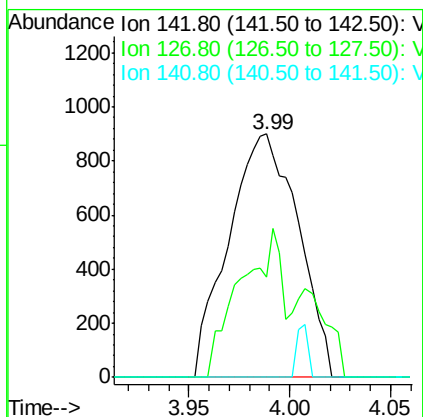
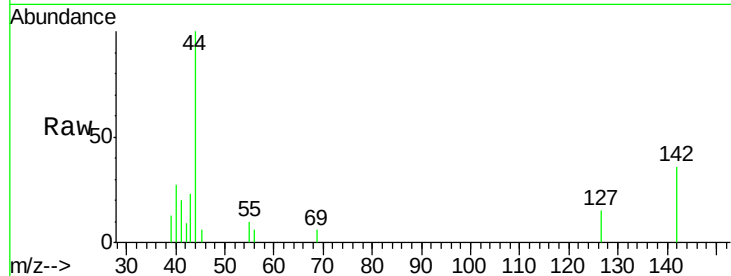
#11
Methvl Iodide
Concen: 0.28 ug/l
RT: 3.99 min Scan# 746
Delta R.T. -0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.8	32.3	48.5
141	0.0	11.2	16.8

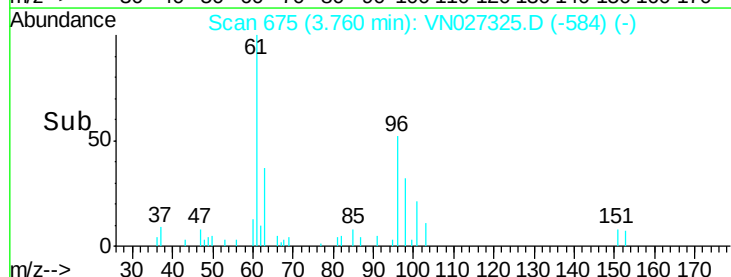
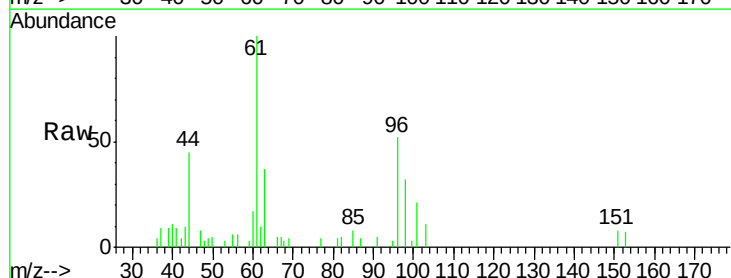
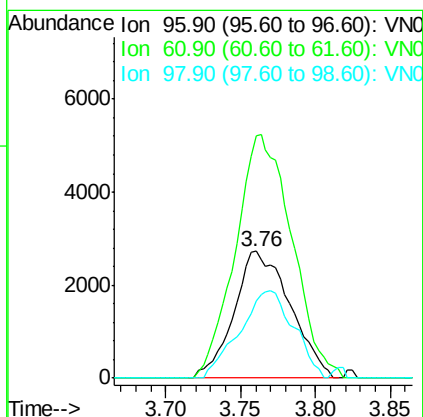
Manual Integrations
APPROVED

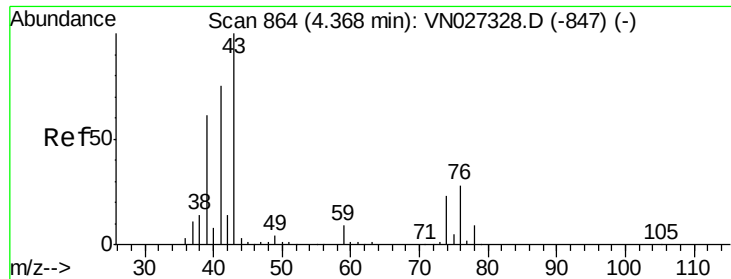
MMDadoda
9/22/2015 2:27:40 PM



#13
1,1-Dichloroethene
Concen: 0.94 ug/l
RT: 3.76 min Scan# 675
Delta R.T. -0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.7	143.8	215.8
98	60.7	50.3	75.5





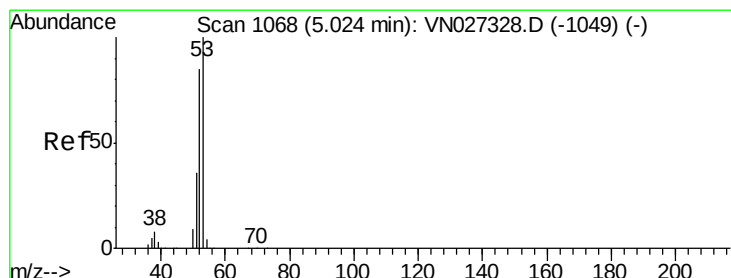
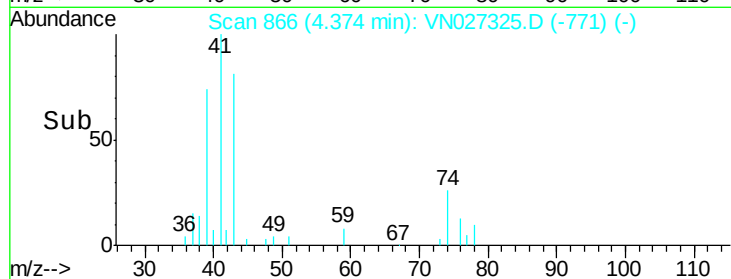
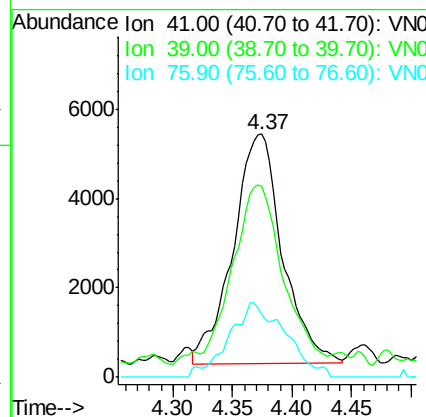
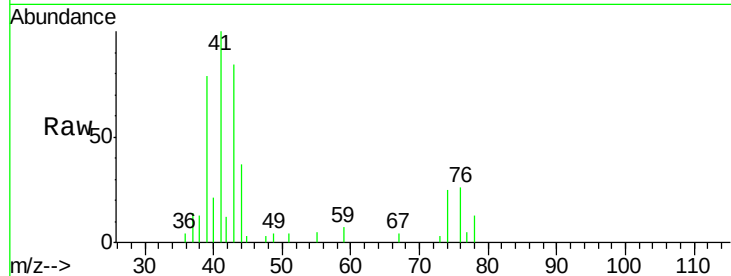
#15
Allvl chloride
Concen: 0.96 ug/l
RT: 4.37 min Scan# 866
Delta R.T. 0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
39	81.0	49.7	74.5#
76	36.4	24.8	37.2

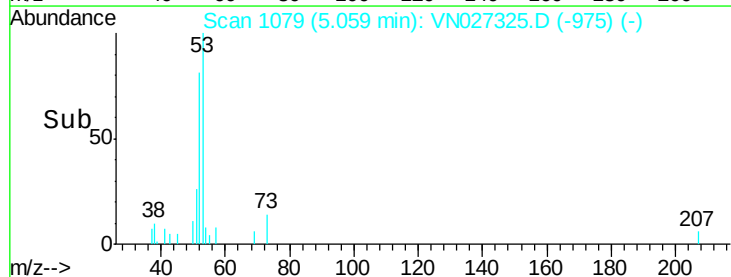
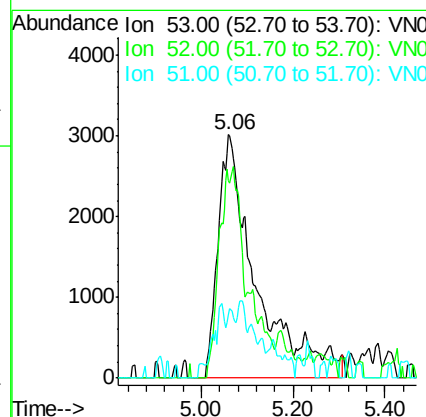
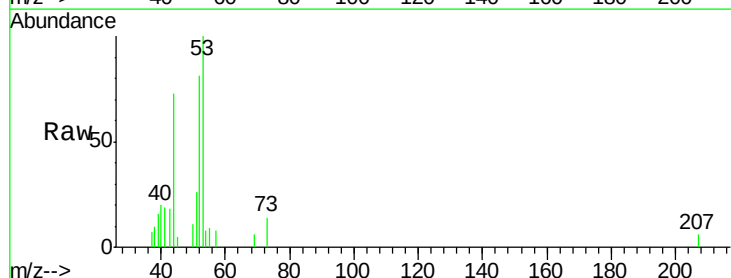
Manual Integrations
APPROVED

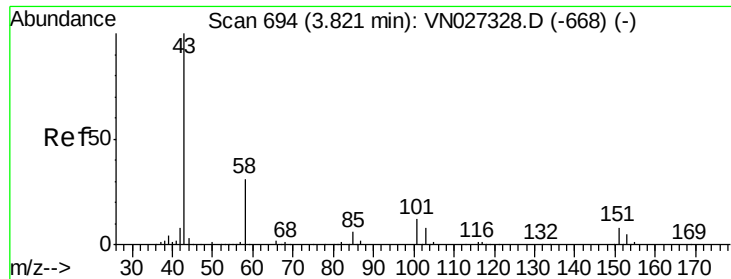
MMDadoda
9/22/2015 2:27:40 PM



#16
Acrylonitrile
Concen: 4.51 ug/l m
RT: 5.06 min Scan# 1079
Delta R.T. 0.04 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
53	100		
52	25.8	66.9	100.3#
51	2.5	27.4	41.0#





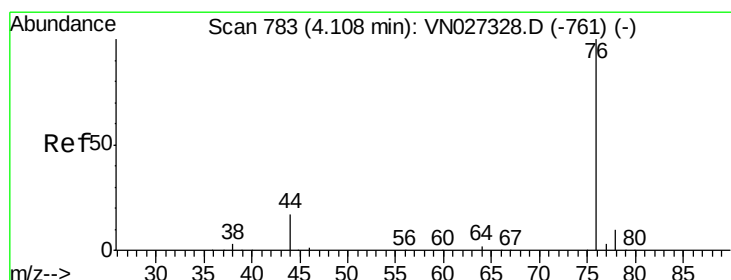
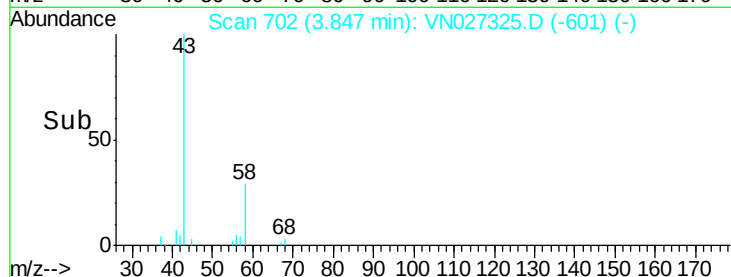
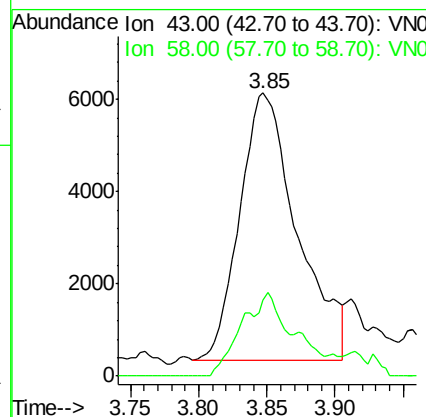
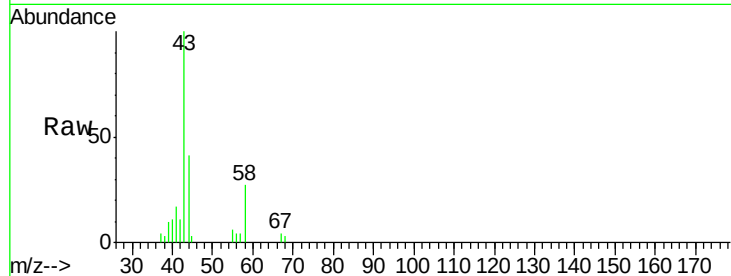
#17
Acetone
Concen: 5.23 ug/l
RT: 3.85 min Scan# 702
Delta R.T. 0.03 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	17061
Ion Ratio	43	100	
Lower	25.4		
Upper	38.0		

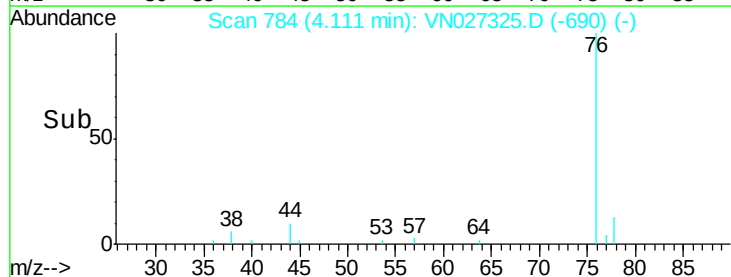
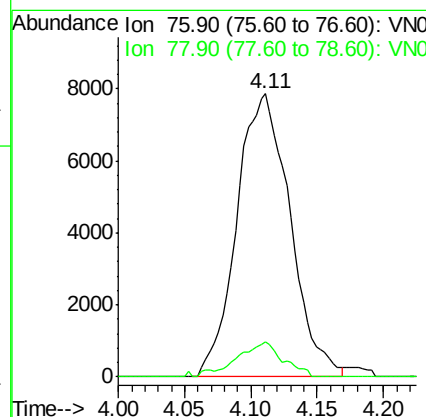
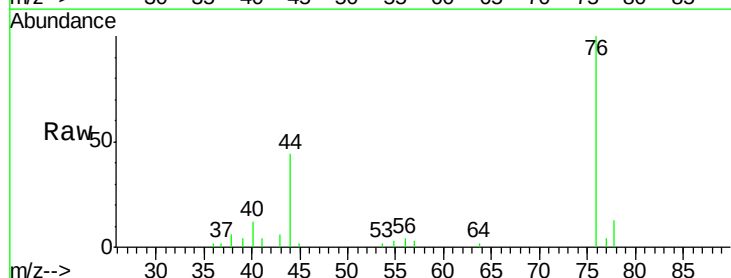
Manual Integrations
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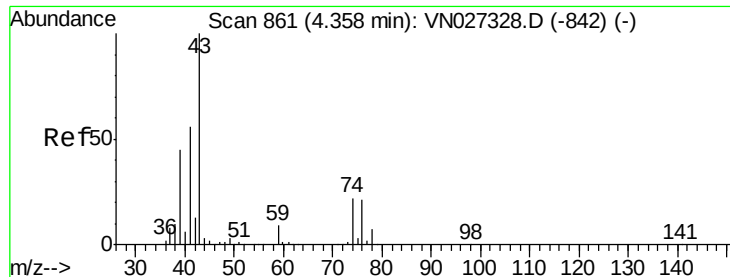
MMDadoda
9/22/2015 2:27:40 PM



#18
Carbon Disulfide
Concen: 0.89 ug/l
RT: 4.11 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	76	Resp	21953
Ion Ratio	76	100	
Lower	7.1		
Upper	10.7		





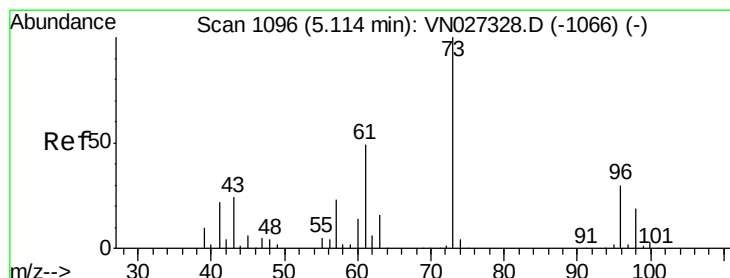
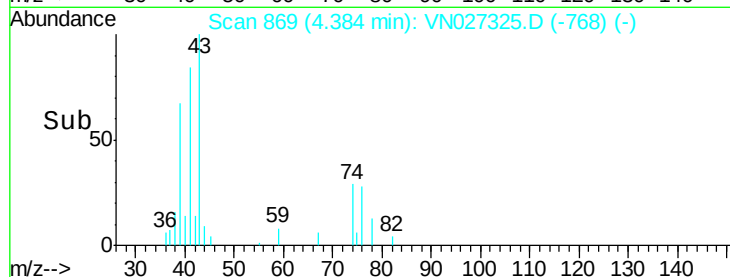
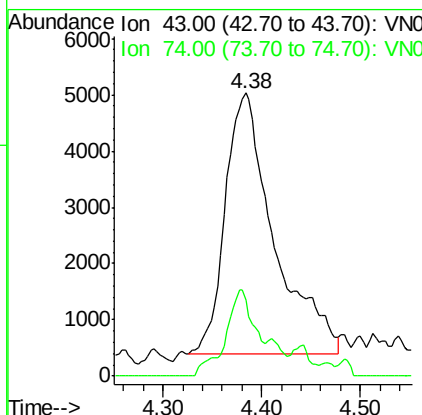
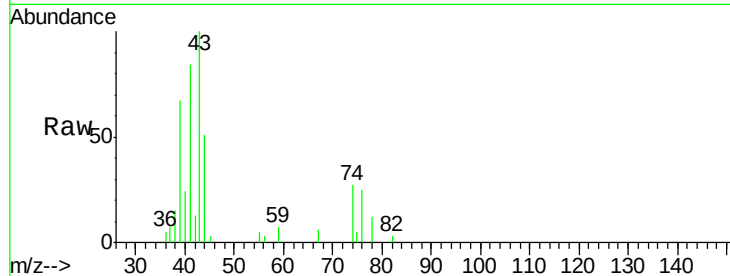
#19
Methyl Acetate
Concen: 0.67 ug/l
RT: 4.38 min Scan# 869
Delta R.T. 0.03 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 43 Resp: 15877
Ion Ratio Lower Upper
43 100
74 20.0 16.2 24.2

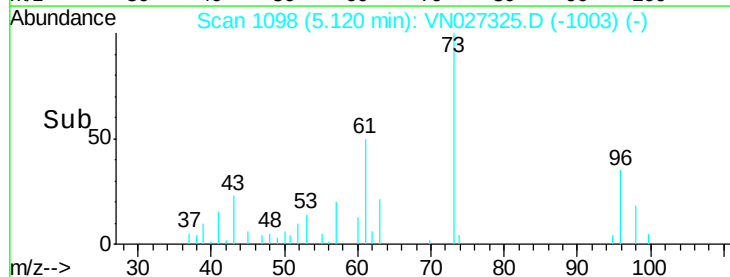
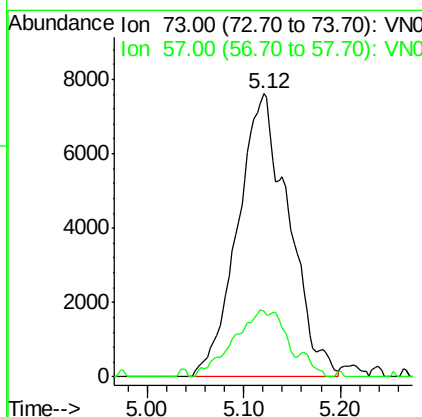
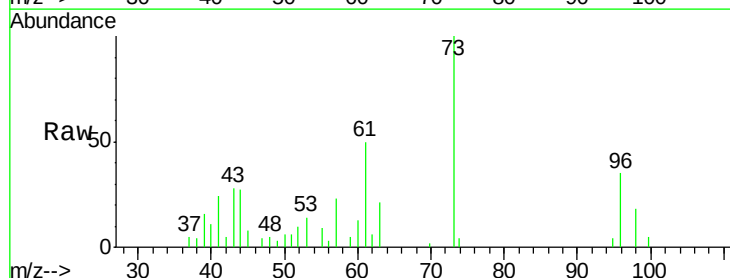
Manual Integrations
APPROVED

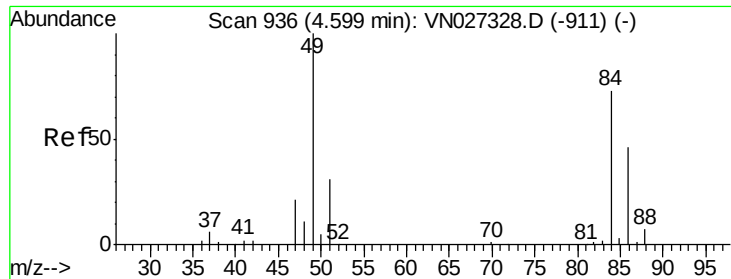
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 0.92 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion: 73 Resp: 27961
Ion Ratio Lower Upper
73 100
57 23.4 19.8 29.6





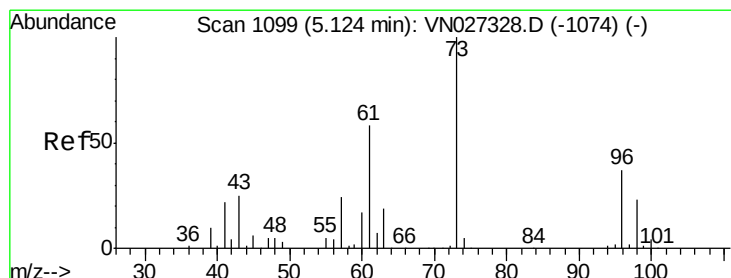
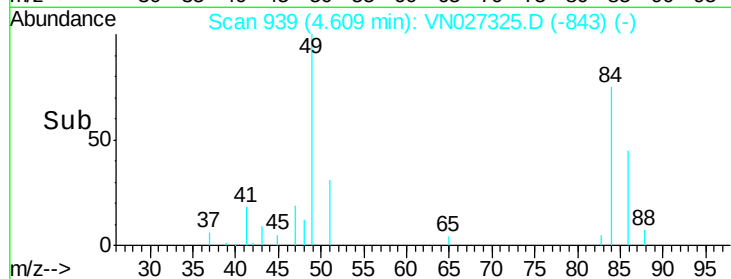
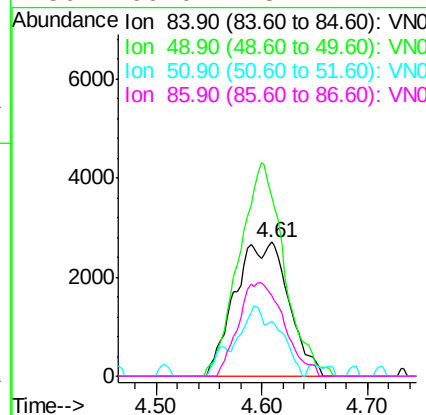
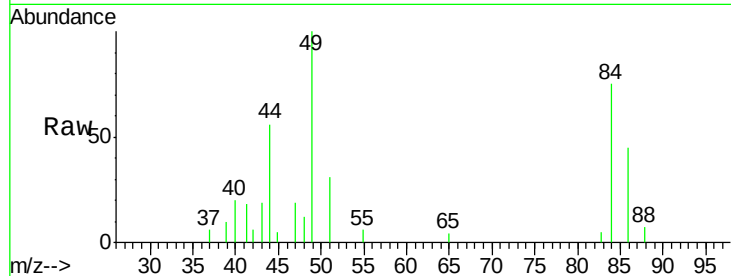
#21
Methylene Chloride
Concen: 1.05 ug/l m
RT: 4.61 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:	84	Resp:	9535
Ion	Ratio	Lower	Upper
84	100		
49	133.7	112.3	168.5
51	41.3	33.8	50.8
86	60.0	48.2	72.4

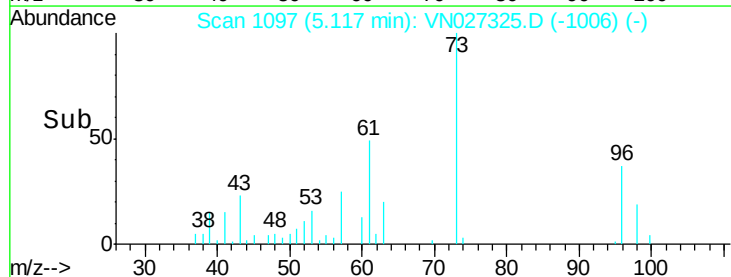
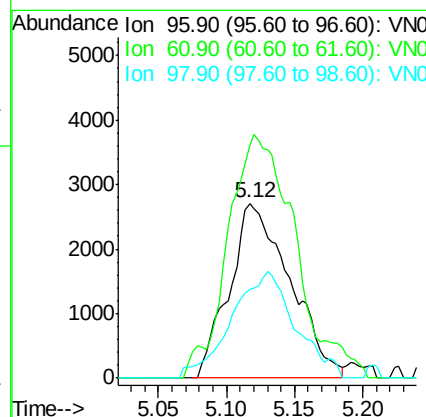
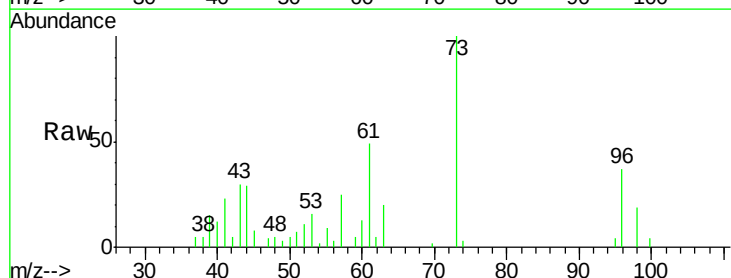
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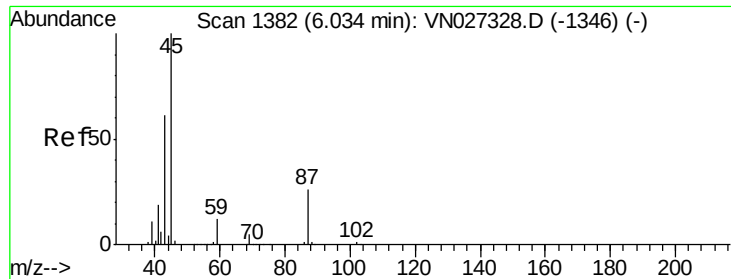
MMDadoda
9/22/2015 2:27:40 PM



#22
trans-1,2-Dichloroethene
Concen: 1.02 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. -0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion:	96	Resp:	8367
Ion	Ratio	Lower	Upper
96	100		
61	118.8	126.6	189.8#
98	50.6	47.4	71.2





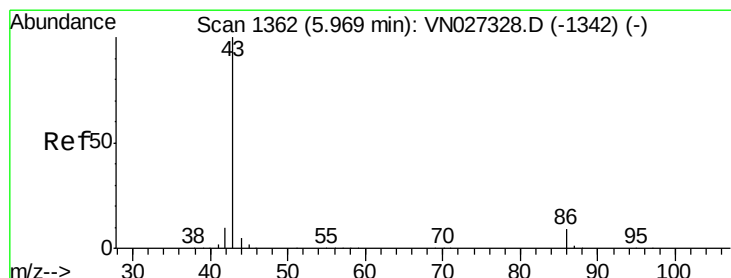
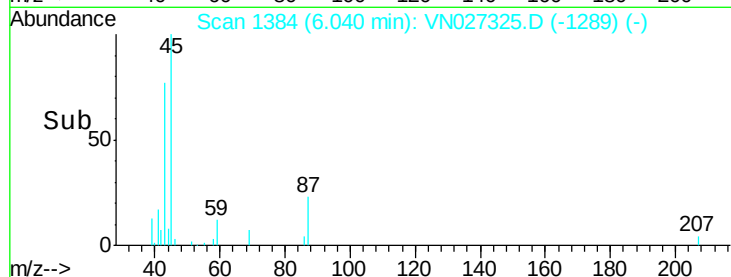
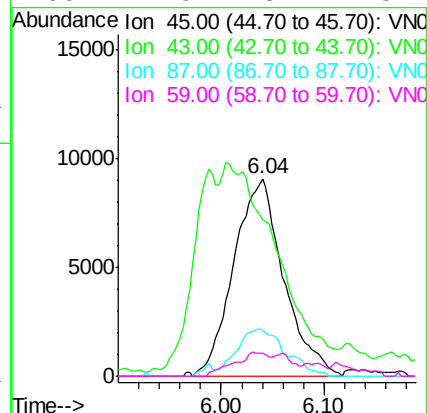
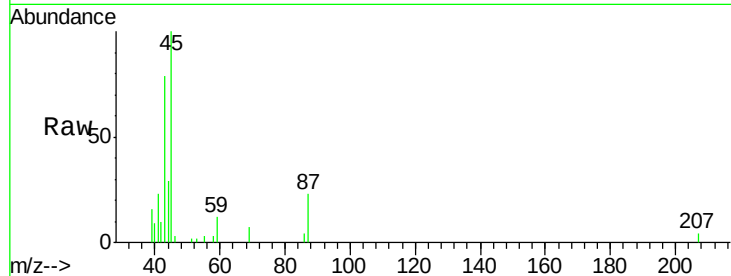
#23
 Diisopropyl ether
 Concen: 0.95 ug/l
 RT: 6.04 min Scan# 1384
 Delta R.T. 0.01 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	45	Resp	30503
Ion Ratio	Lower	Upper	
45	100		
43	64.7	41.0	61.6#
87	23.4	17.5	26.3
59	11.9	8.7	13.1

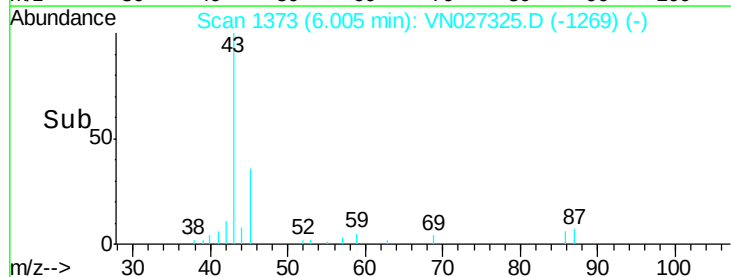
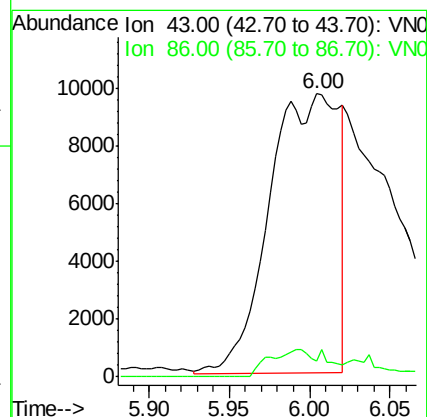
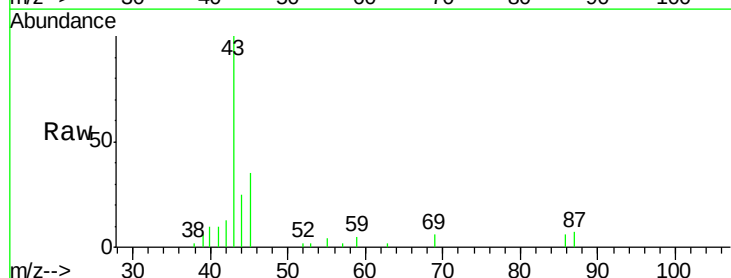
Manual Integrations
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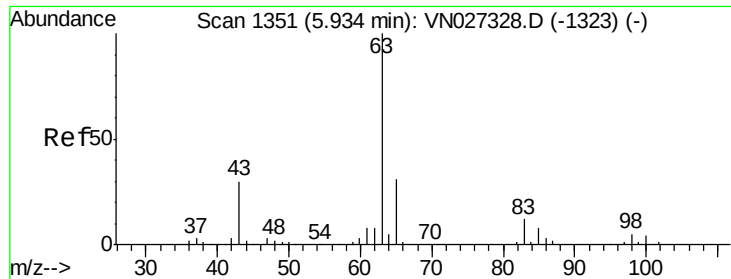
MMDadoda
 9/22/2015 2:27:40 PM



#24
 Vinyl Acetate
 Concen: 2.76 ug/l m
 RT: 6.00 min Scan# 1373
 Delta R.T. 0.04 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	43	Resp	29393
Ion Ratio	Lower	Upper	
43	100		
86	5.6	6.9	10.3#





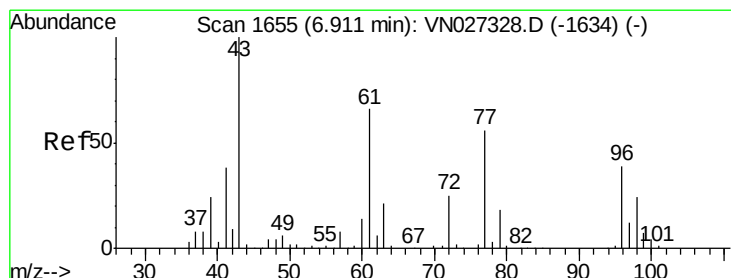
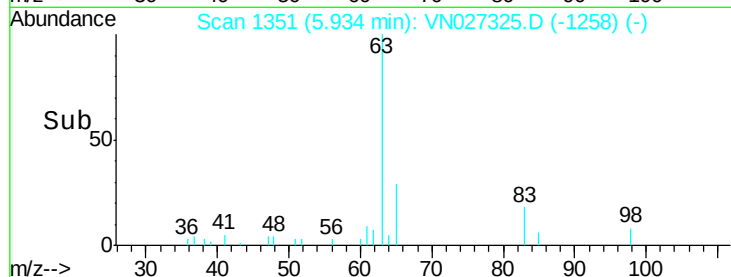
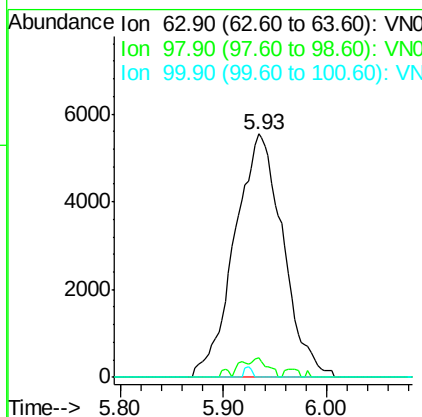
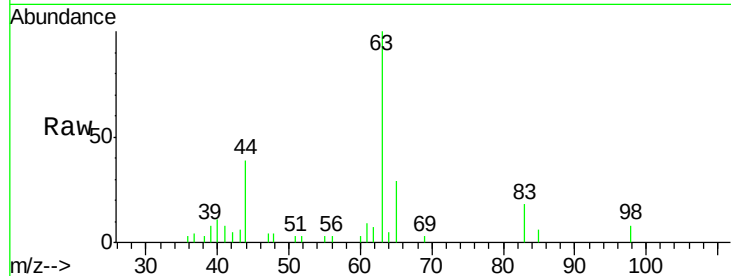
#25
 1,1-Dichloroethane
 Concen: 0.96 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
98	8.2	2.8	8.3
100	0.0	1.7	5.0#

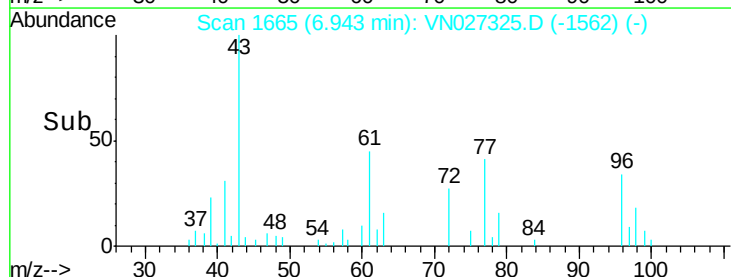
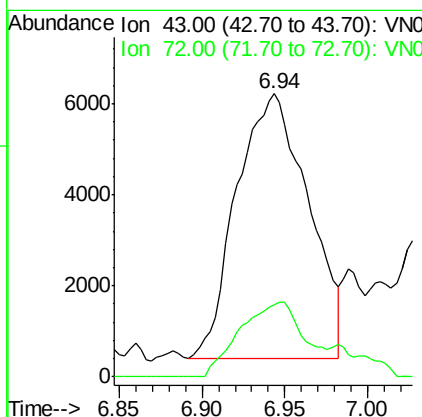
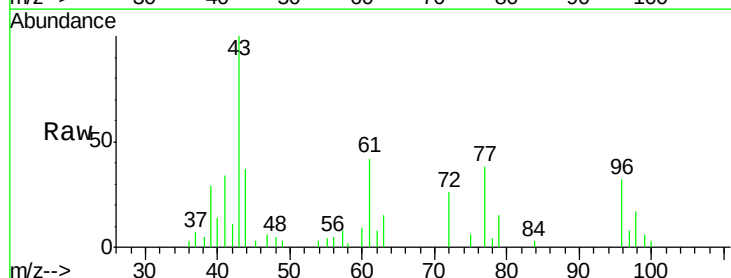
Manual Integrations
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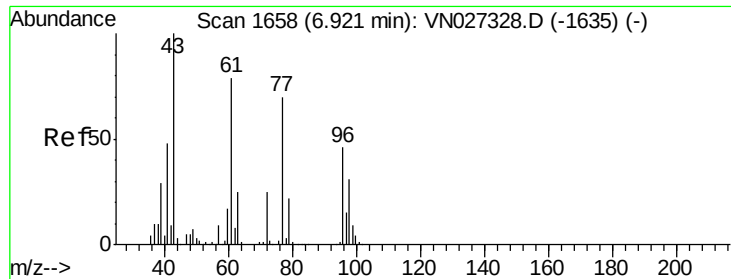
MMDadoda
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#26
 2-Butanone
 Concen: 3.58 ug/l
 RT: 6.94 min Scan# 1665
 Delta R.T. 0.03 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.3	18.8	28.2





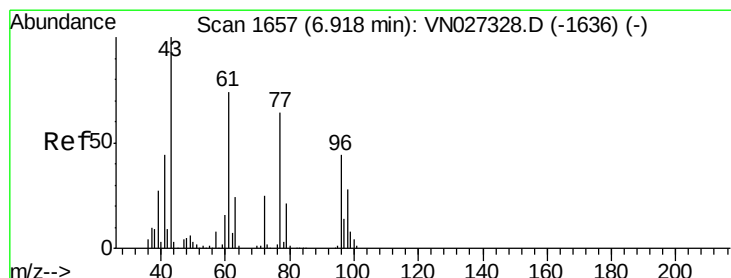
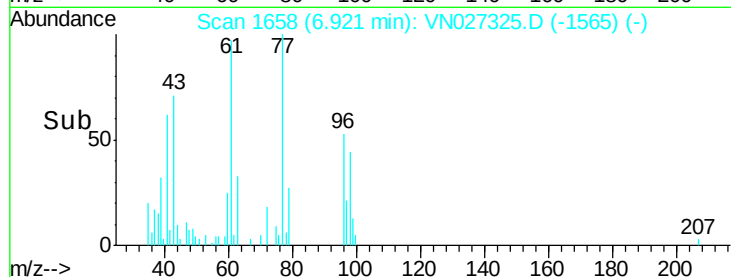
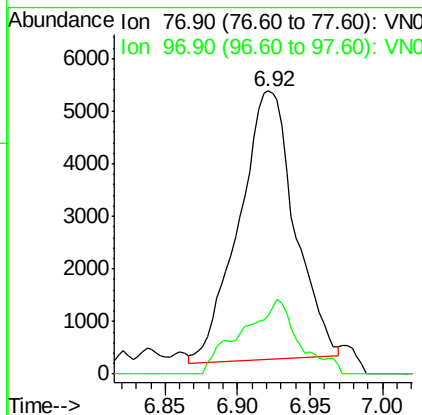
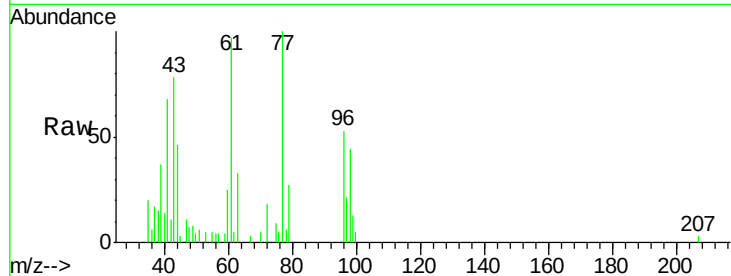
#27
 2,2-Dichloropropane
 Concen: 0.85 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
77	100		
97	28.4	11.8	35.3

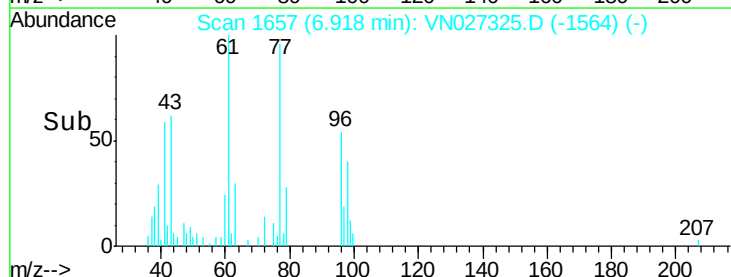
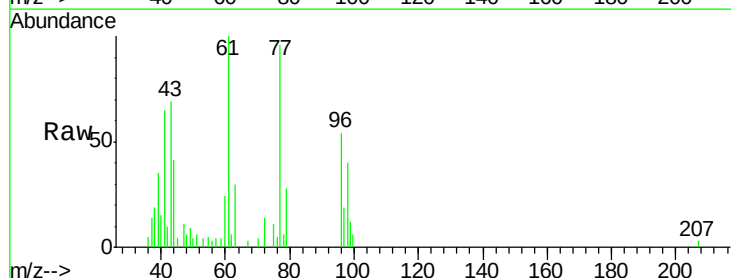
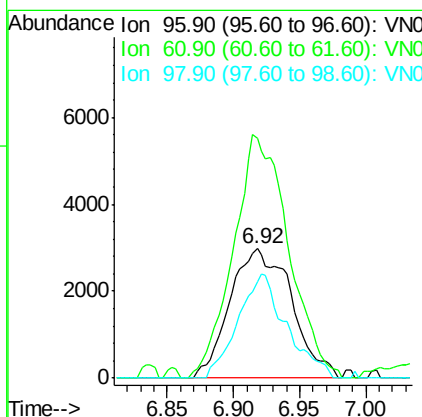
Manual Integrations
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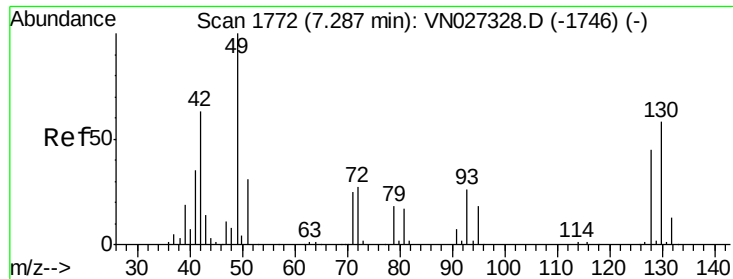
MMDadoda
 9/22/2015 2:27:40 PM



#28
 cis-1,2-Dichloroethene
 Concen: 1.03 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	167.9	0.0	329.2
98	62.7	0.0	126.0





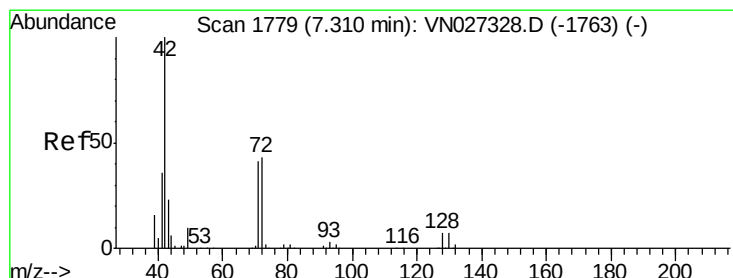
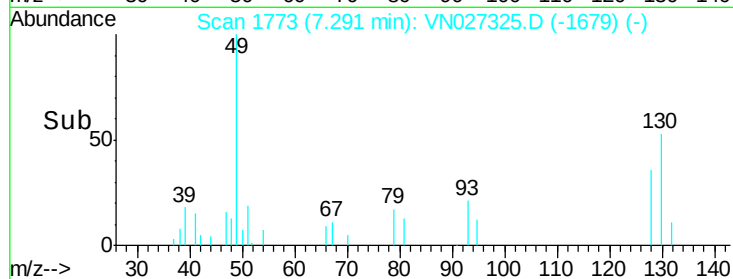
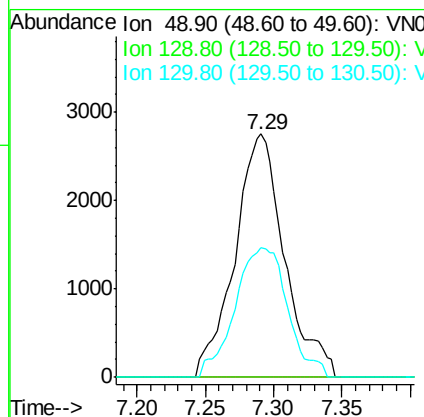
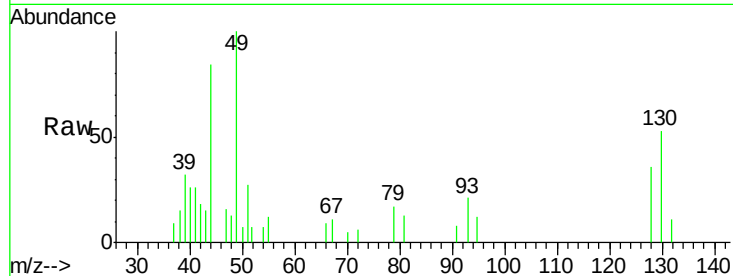
#29
Bromochloromethane
Concen: 0.96 ug/l
RT: 7.29 min Scan# 1773
Delta R.T. 0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.2
130	56.4	43.2	64.8

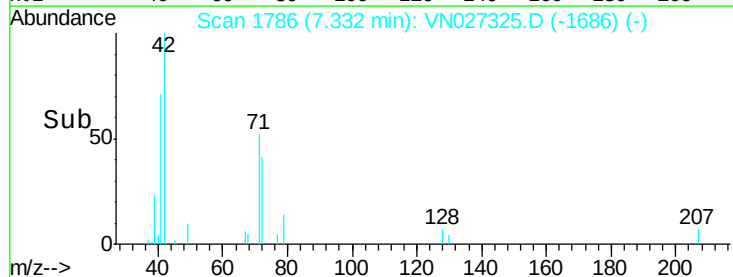
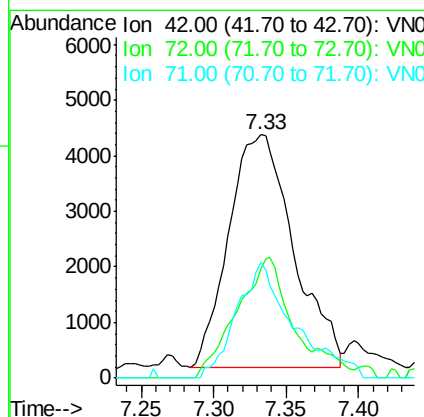
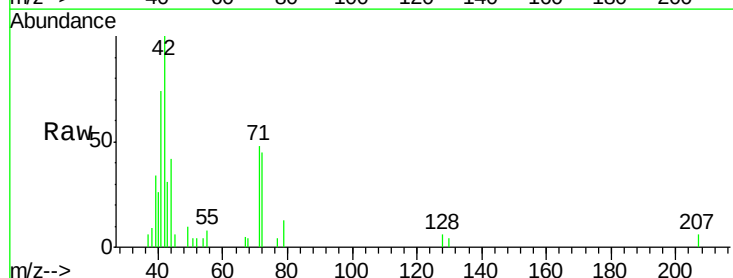
Manual Integrations
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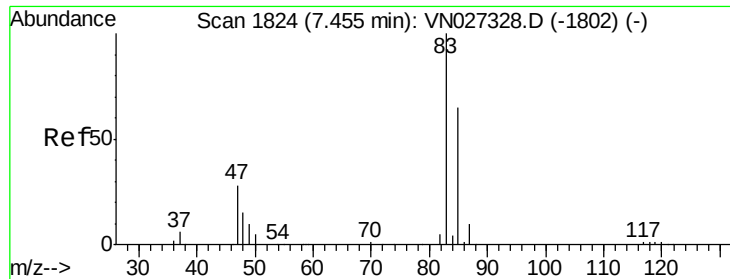
MMDadoda
9/22/2015 2:27:40 PM



#30
Tetrahydrofuran
Concen: 3.87 ug/l
RT: 7.33 min Scan# 1786
Delta R.T. 0.02 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.0	29.9	44.9
71	43.7	28.3	42.5





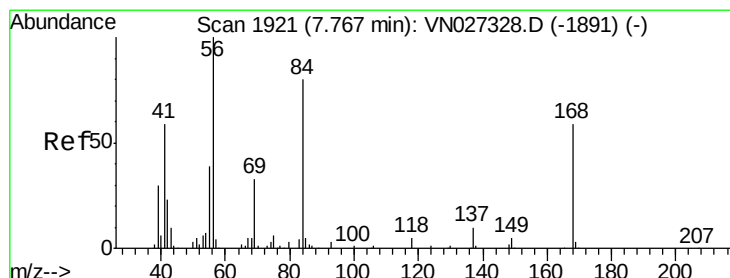
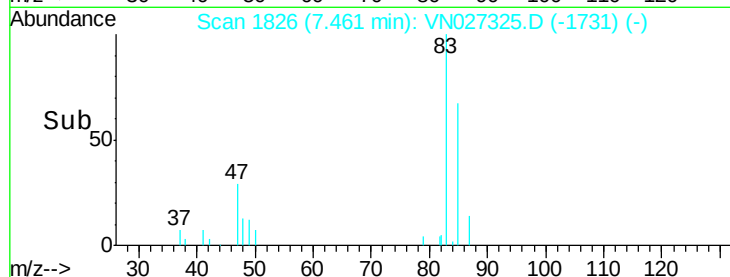
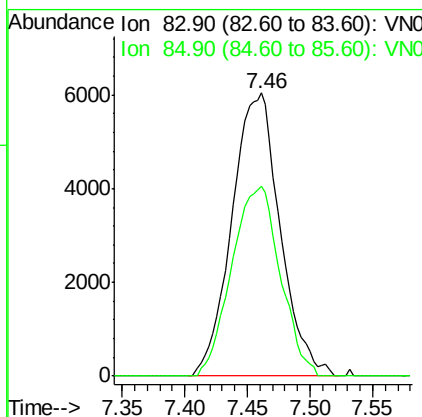
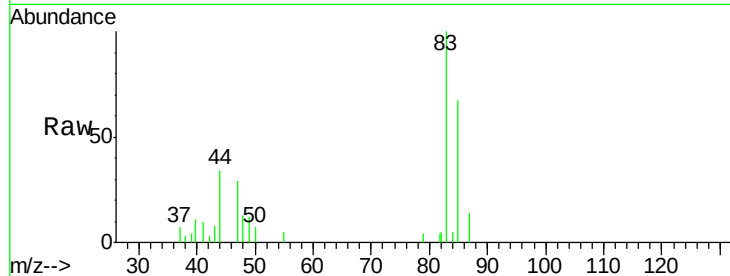
#31
Chloroform
Concen: 0.96 ug/l
RT: 7.46 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	83	Resp	16154
Ion Ratio	100	Lower	Upper
85	67.0	51.1	76.7

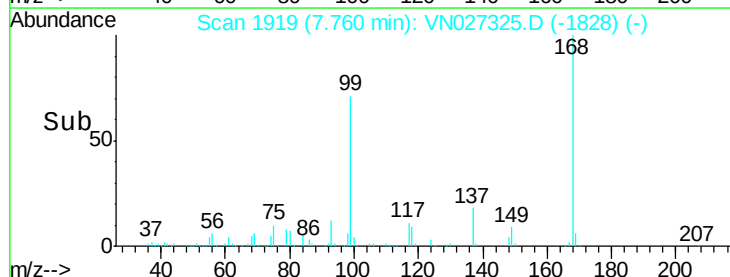
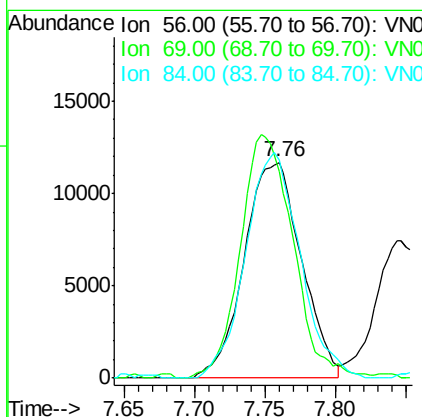
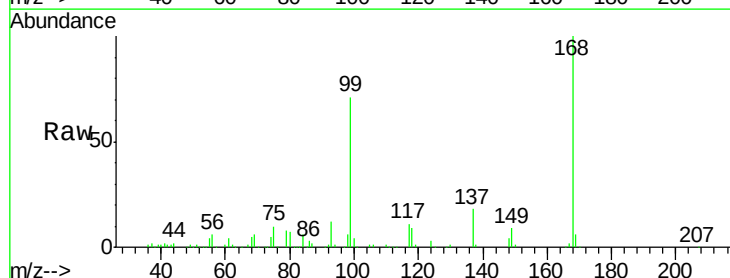
Manual Integrations
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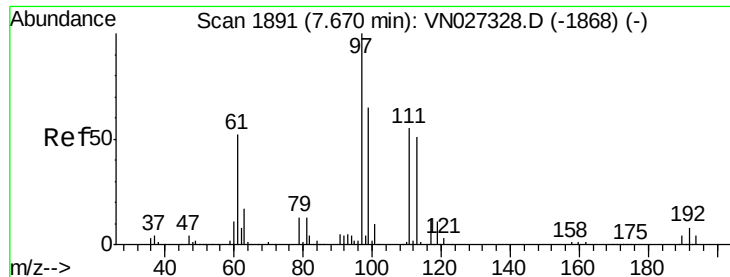
MMDadoda
9/22/2015 2:27:40 PM



#32
Cyclohexane
Concen: 1.60 ug/l
RT: 7.76 min Scan# 1919
Delta R.T. -0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	56	Resp	33074
Ion Ratio	100	Lower	Upper
69	95.6	23.0	34.4#
84	101.2	57.8	86.8#





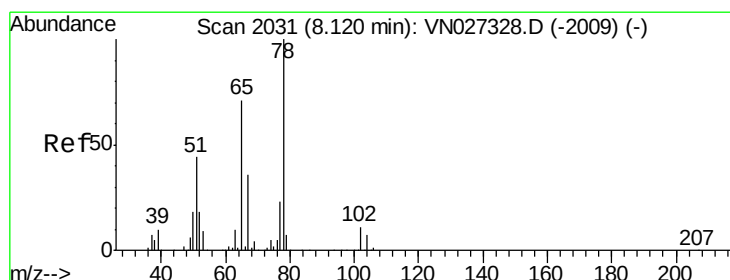
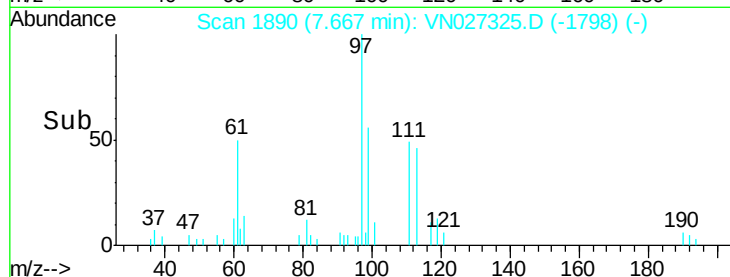
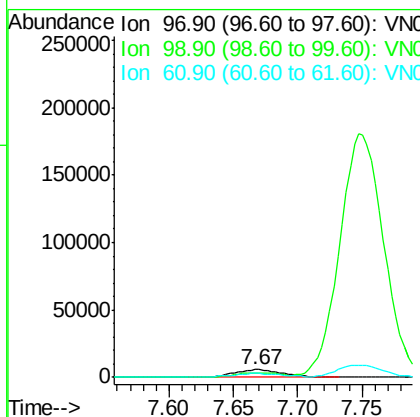
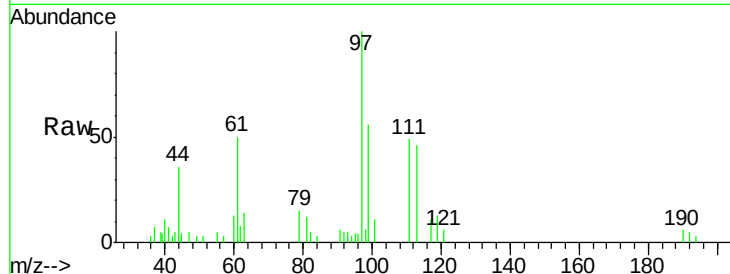
#33
 1,1,1-Trichloroethane
 Concen: 1.02 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.1	75.1#
61	50.6	44.0	66.0

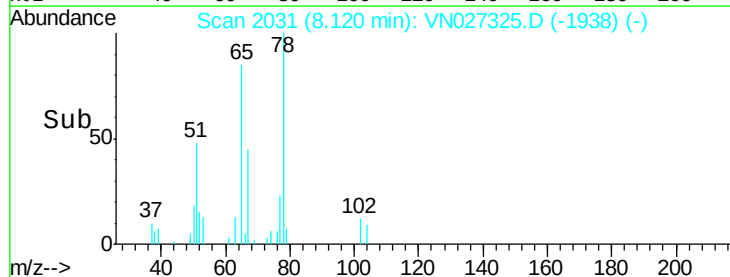
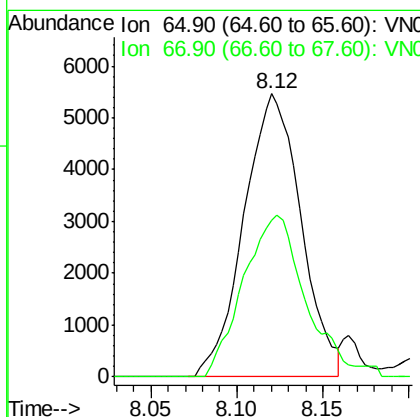
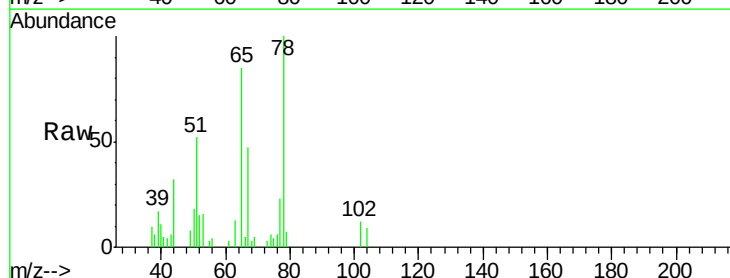
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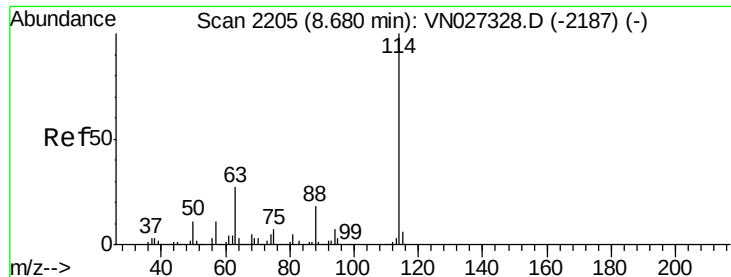
MMDadoda
 9/22/2015 2:27:40 PM



#34
 1,2-Dichloroethane-d4
 Concen: 1.04 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
65	100		
67	63.0	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: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:114 Resp: 1069359

Ion Ratio Lower Upper

114 100

63 27.4 0.0 48.8

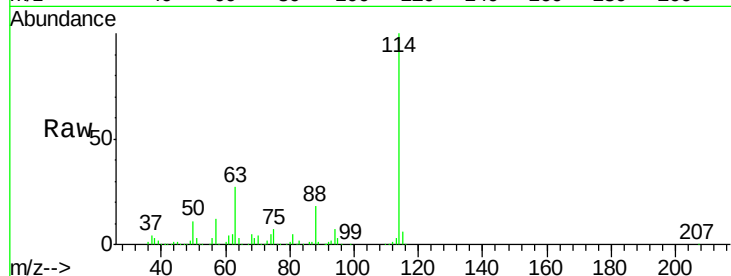
88 18.4 0.0 32.2

Manual Integrations

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MMDadoda

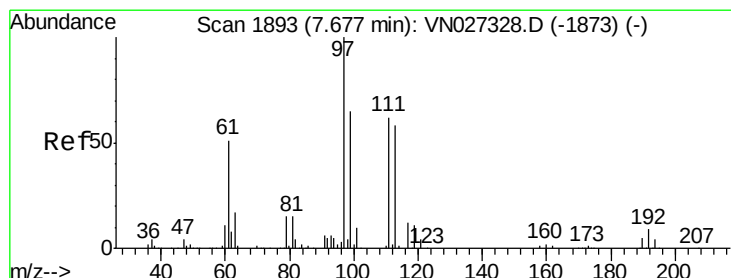
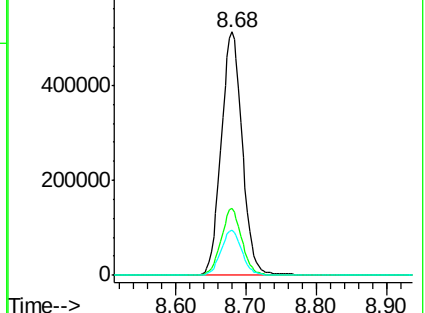
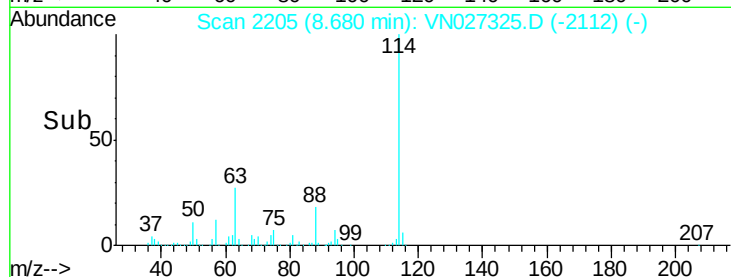
9/22/2015 2:27:40 PM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 1.04 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

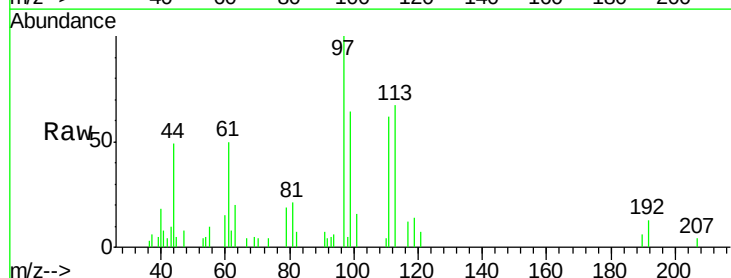
Tgt Ion:113 Resp: 7722

Ion Ratio Lower Upper

113 100

111 103.7 83.0 124.4

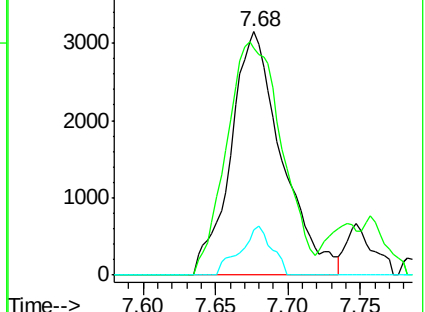
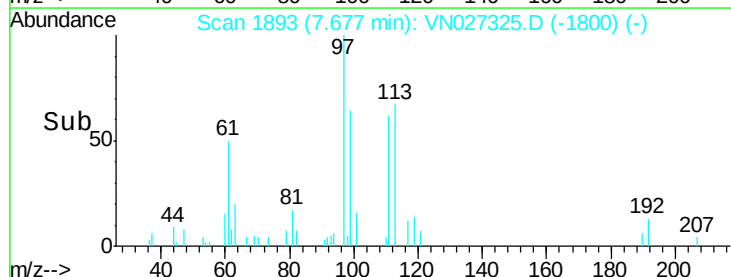
192 12.5 14.1 21.1#

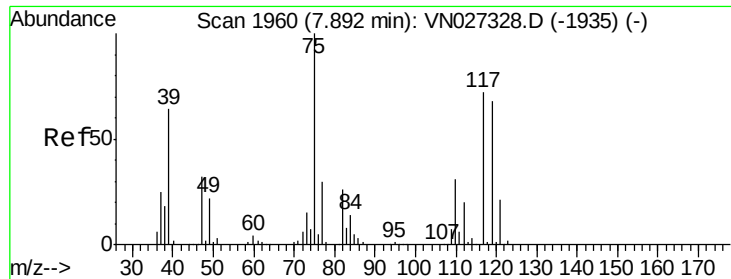


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





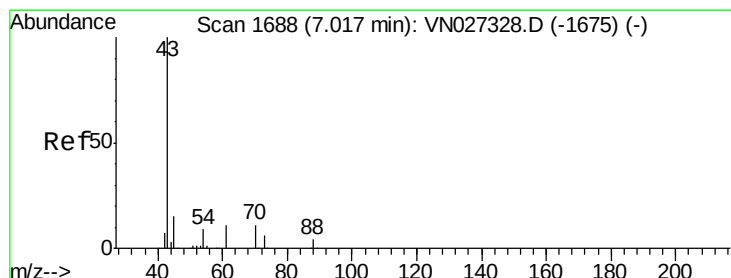
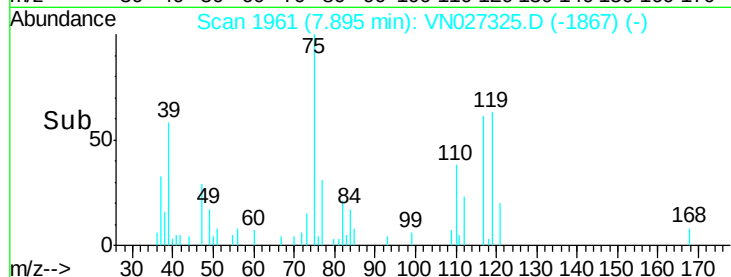
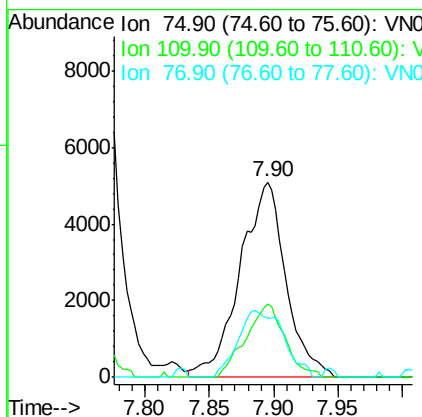
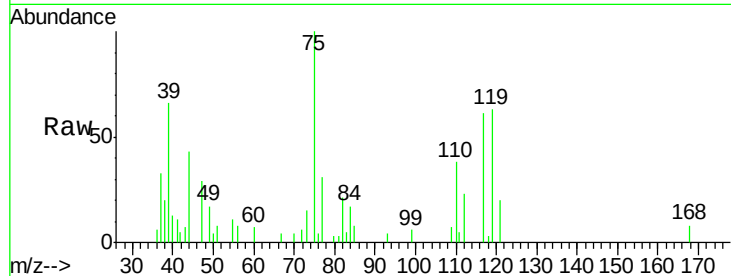
#37
 1,1-Dichloropropene
 Concen: 1.01 ug/l
 RT: 7.90 min Scan# 1961
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.1	15.9	47.7
77	34.4	24.9	37.3

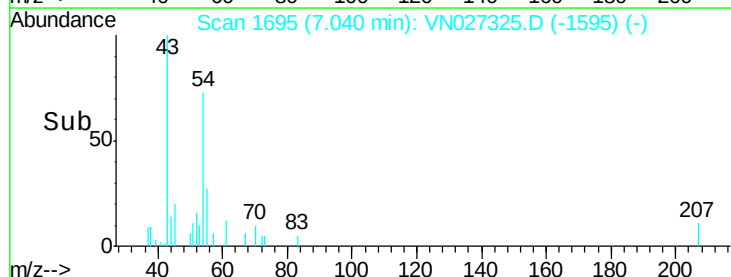
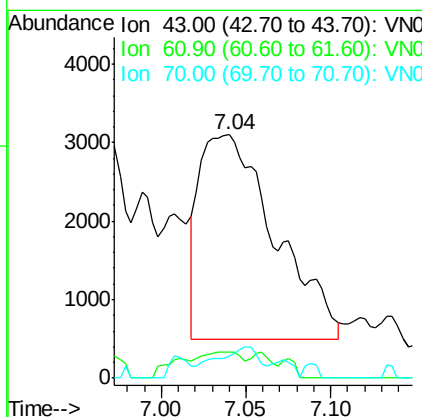
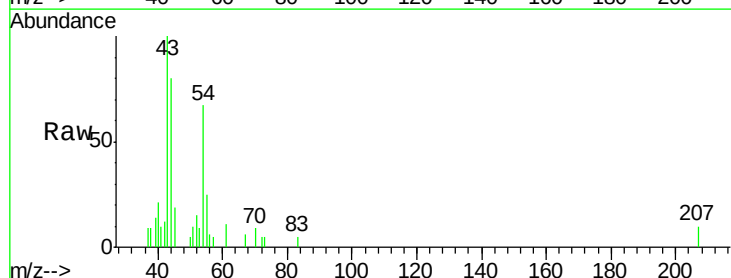
Manual Integrations
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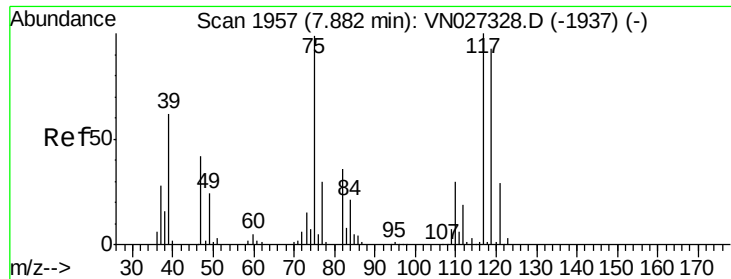
MMDadoda
 9/22/2015 2:27:40 PM



#38
 Ethyl Acetate
 Concen: 0.70 ug/l m
 RT: 7.04 min Scan# 1695
 Delta R.T. 0.02 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.4#
70	8.5	7.4	11.0





#39

Carbon Tetrachloride

Concen: 1.00 ug/l

RT: 7.87 min Scan# 1954

Delta R.T. -0.01 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

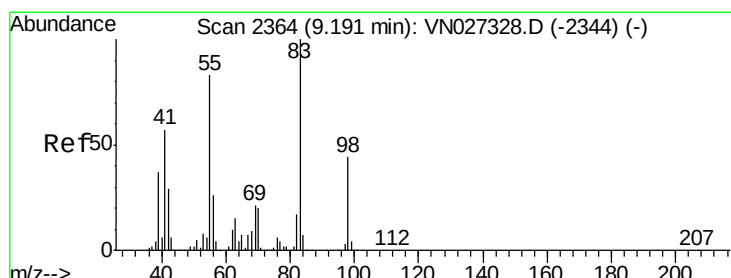
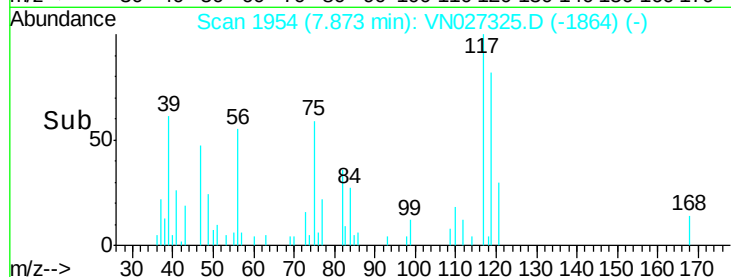
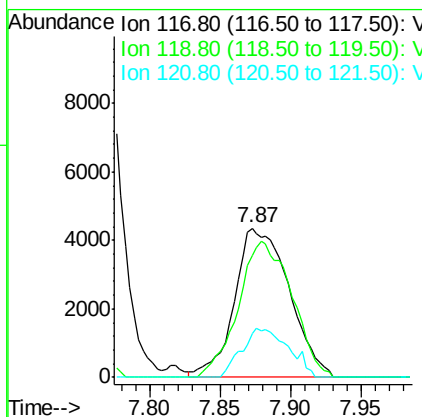
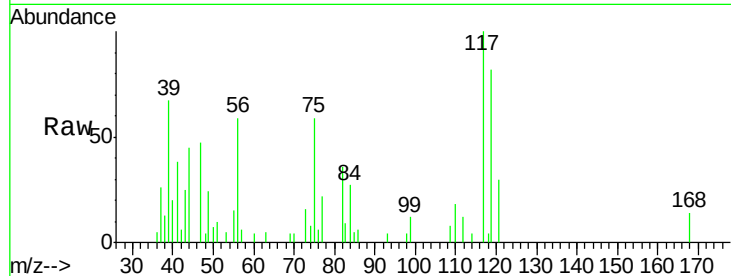
ClientSampleId :

VSTDIC001

Tot Ion:	117	Resp:	11811
Ion	Ratio	Lower	Upper
117	100		
119	82.1	75.3	112.9
121	29.6	23.8	35.8

Manual Integrations
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9/22/2015 2:27:40 PM



#40

Methylcyclohexane

Concen: 0.92 ug/l

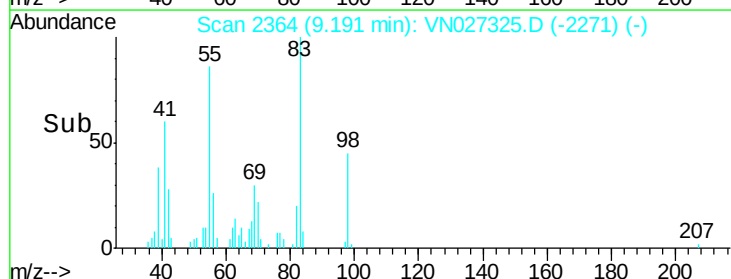
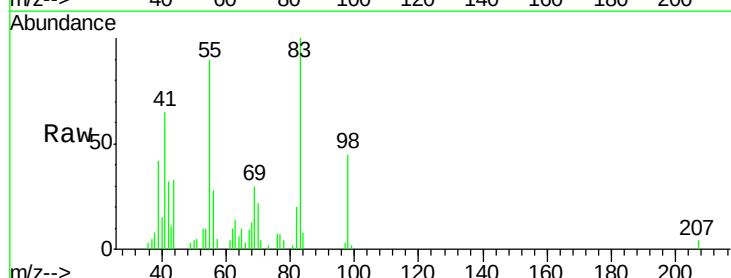
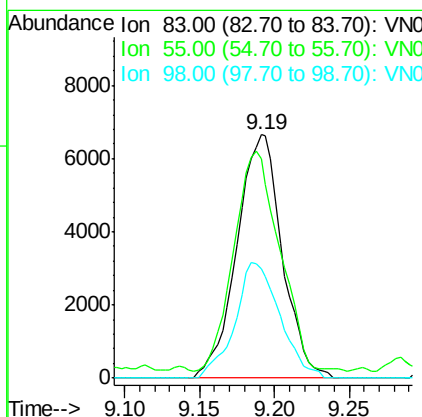
RT: 9.19 min Scan# 2364

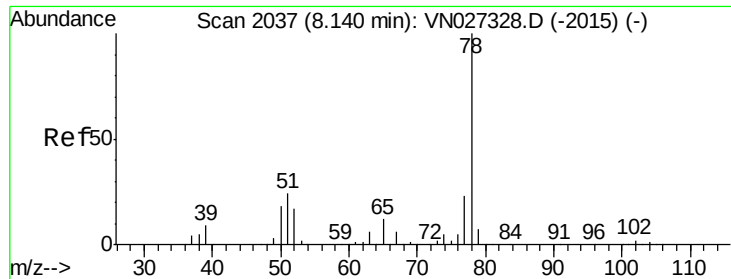
Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Tgt Ion:	83	Resp:	13975
Ion	Ratio	Lower	Upper
83	100		
55	86.4	69.8	104.8
98	44.6	34.3	51.5





#41

Benzene

Concen: 1.00 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 78 Resp: 36571

Ion Ratio Lower Upper

78 100

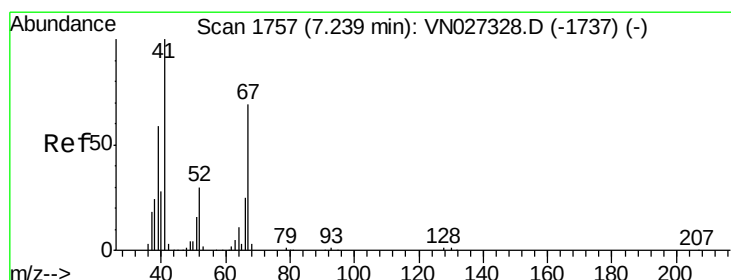
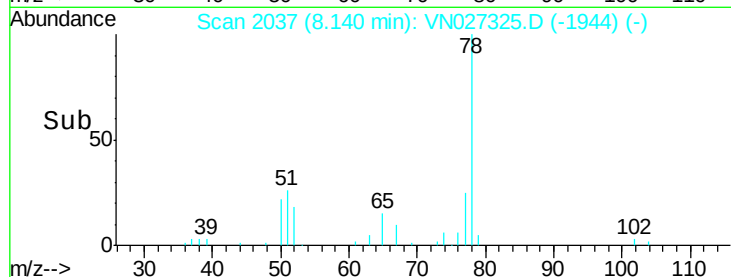
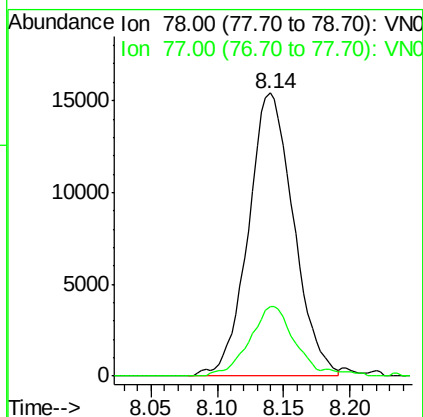
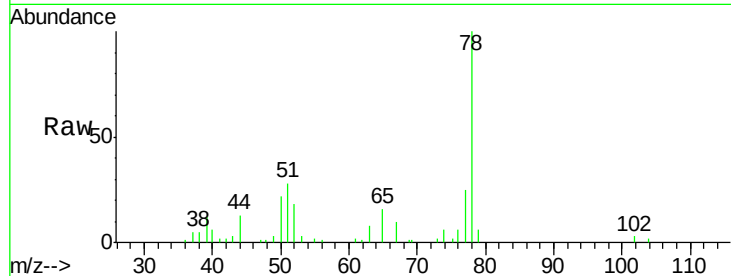
77 24.8 19.0 28.4

Manual Integrations

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MMDadoda

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#42

Methacrylonitrile

Concen: 0.93 ug/l m

RT: 7.27 min Scan# 1766

Delta R.T. 0.03 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Tgt Ion: 41 Resp: 5657

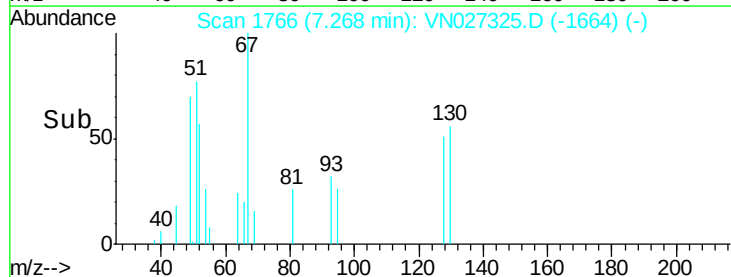
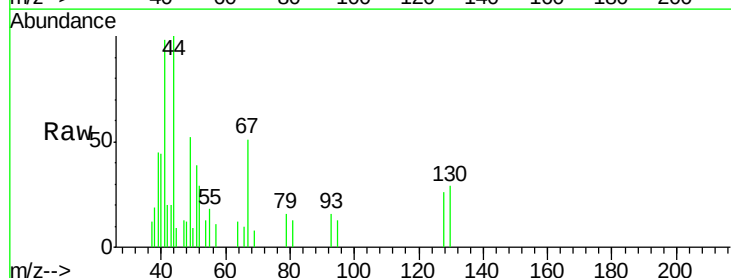
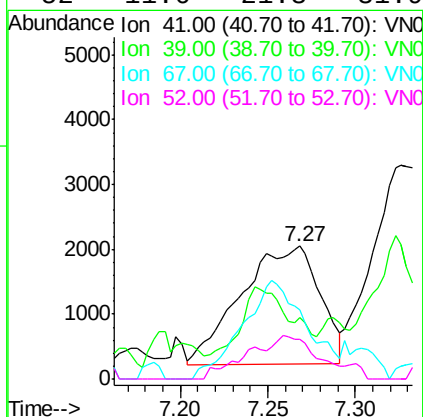
Ion Ratio Lower Upper

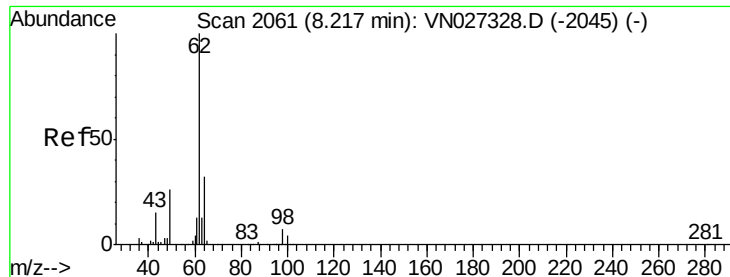
41 100

39 37.0 43.0 64.6#

67 68.5 52.2 78.2

52 11.6 21.3 31.9#





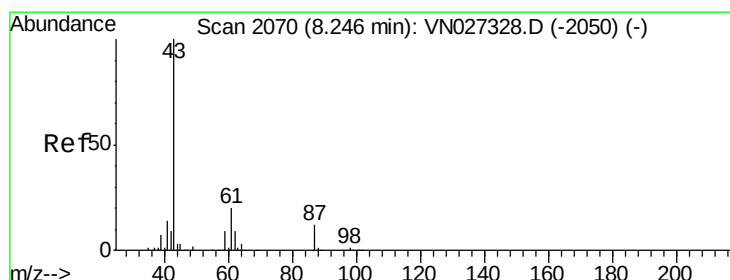
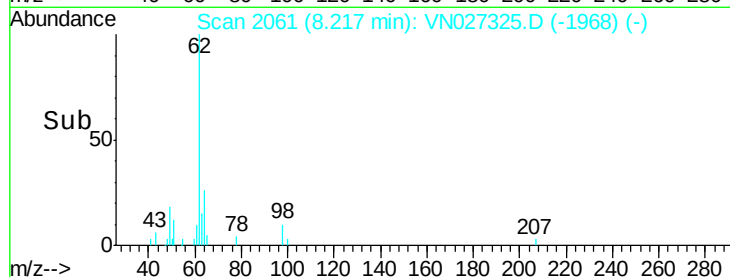
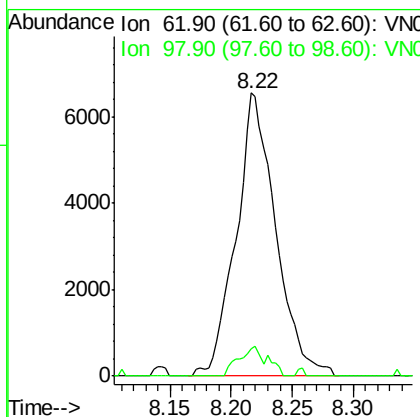
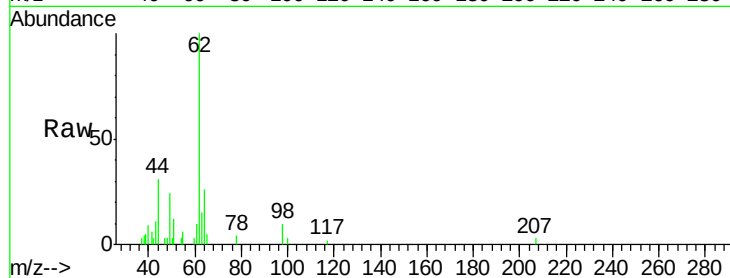
#43
 1,2-Dichloroethane
 Concen: 1.00 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.5	0.0	18.0

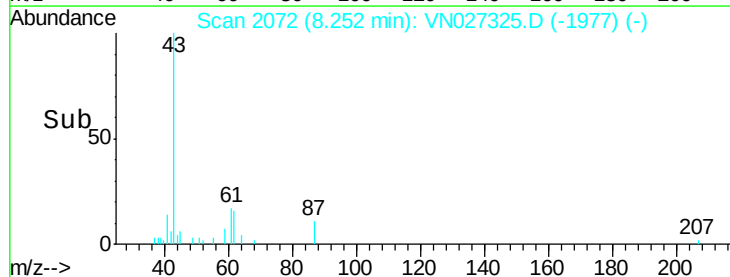
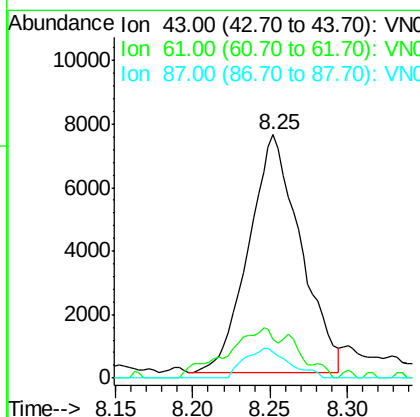
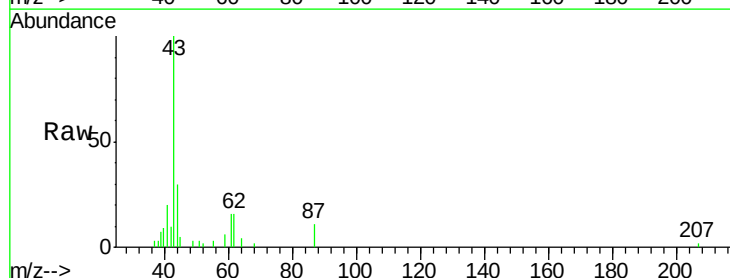
Manual Integrations
 APPROVED

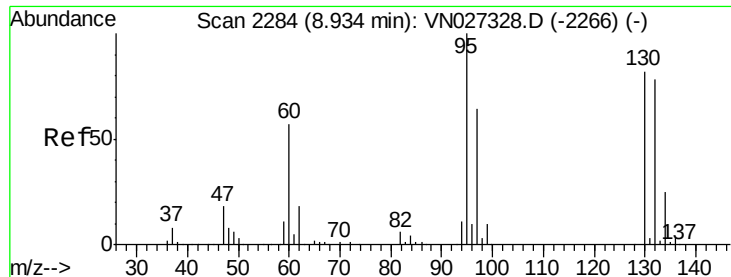
MMDadoda
 9/22/2015 2:27:40 PM



#44
 Isopropyl Acetate
 Concen: 0.87 ug/l
 RT: 8.25 min Scan# 2072
 Delta R.T. 0.01 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
43	100		
61	19.8	20.6	31.0#
87	10.7	8.6	13.0





#45

Trichloroethene

Concen: 0.99 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:130 Resp: 7263

Ion Ratio Lower Upper

130 100

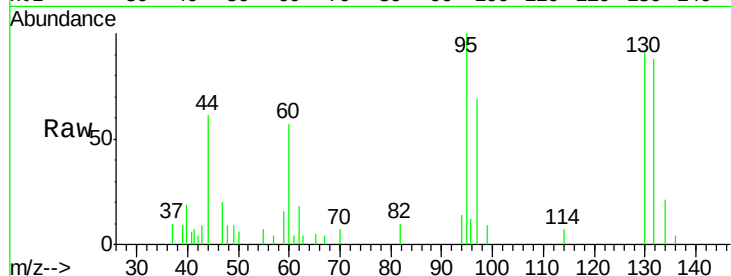
95 105.4 0.0 222.2

Manual Integrations

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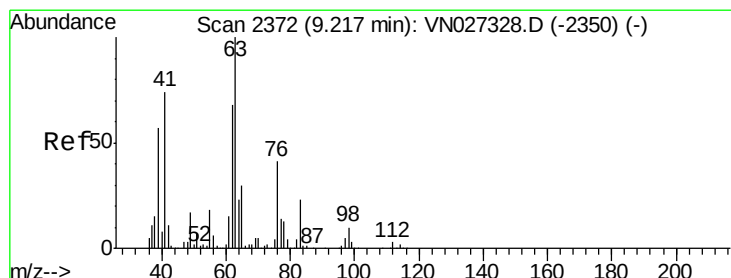
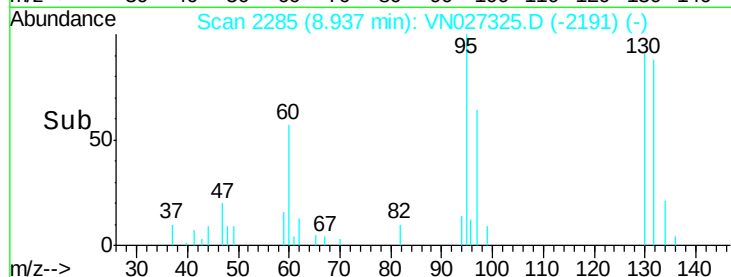
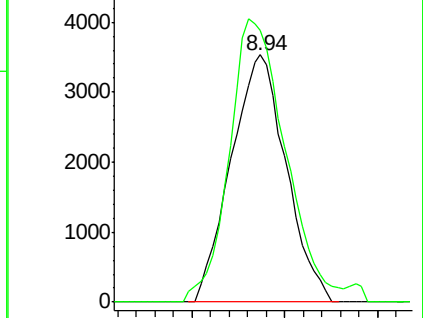
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#46

1,2-Dichloropropane

Concen: 0.96 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN027325.D

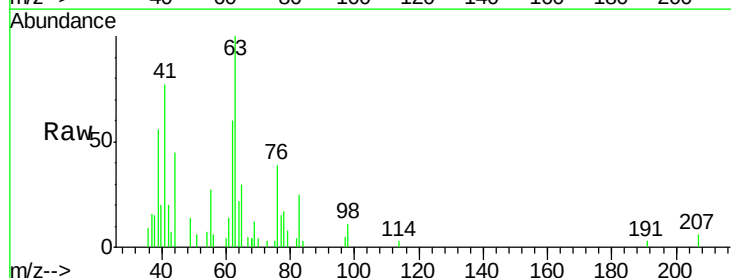
Acq: 21 Sep 2015 10:13

Tgt Ion: 63 Resp: 10123

Ion Ratio Lower Upper

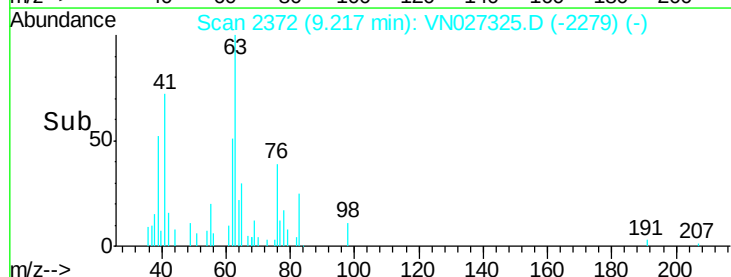
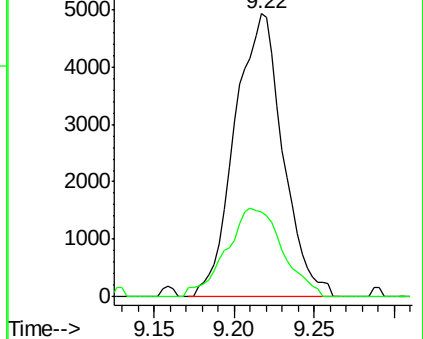
63 100

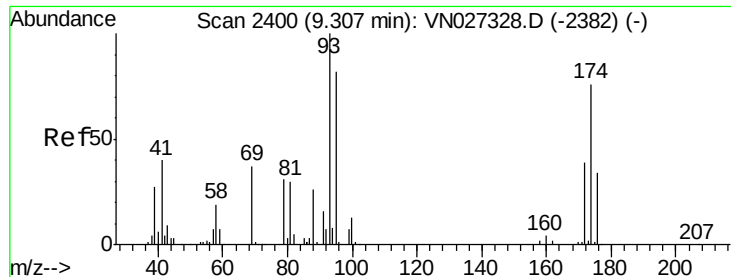
65 29.9 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





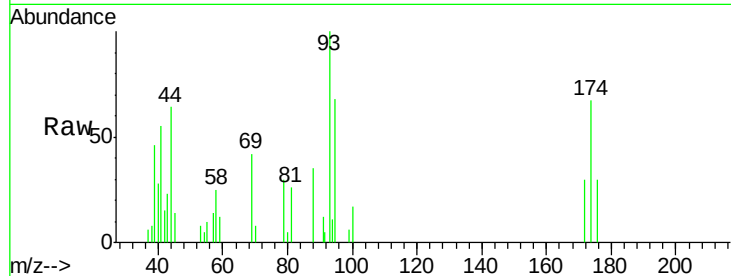
#47
 Dibromomethane
 Concen: 1.01 ug/l
 RT: 9.31 min Scan# 2402
 Delta R.T. 0.01 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

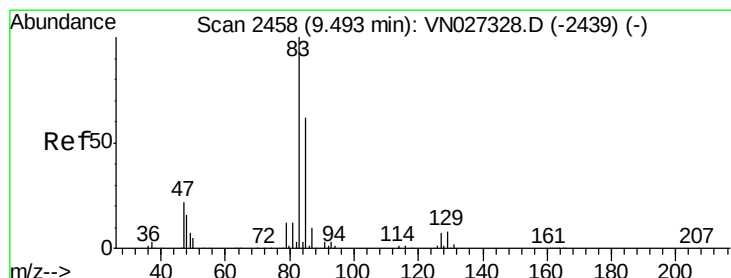
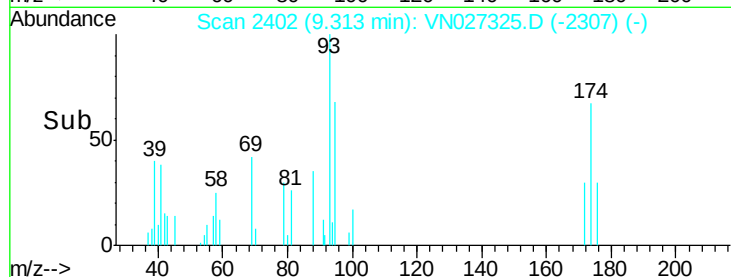
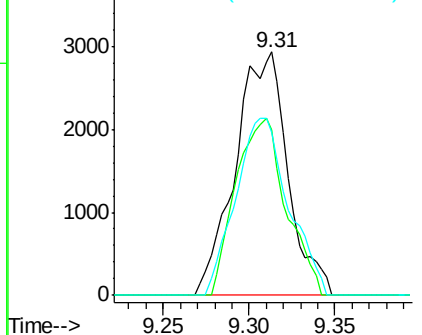
Tot Ion	Ratio	Lower	Upper
93	100		
95	69.9	66.3	99.5
174	73.3	67.8	101.6

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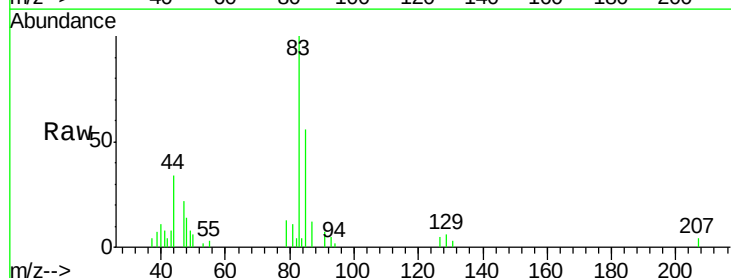


Abundance Ion 92.80 (92.50 to 93.50): VN0
 Ion 94.80 (94.50 to 95.50): VN0
 Ion 173.70 (173.40 to 174.40): V

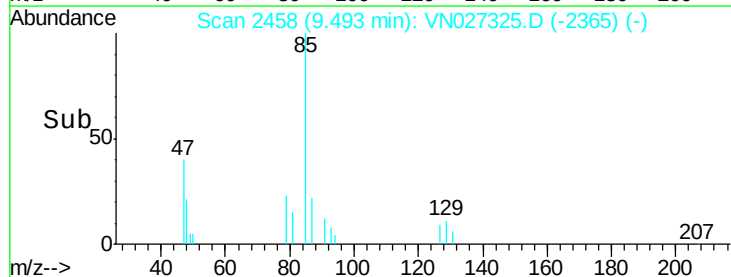
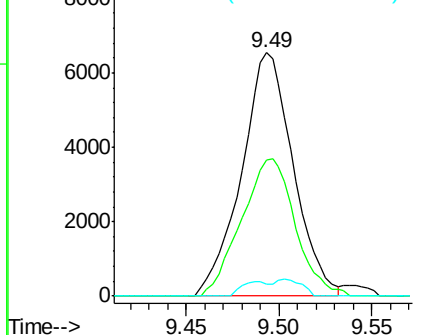


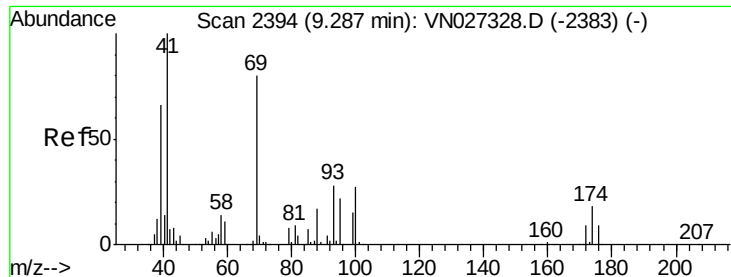
#48
 Bromodichloromethane
 Concen: 0.97 ug/l
 RT: 9.49 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.0	50.7	76.1
127	5.2	5.5	8.3#



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): V





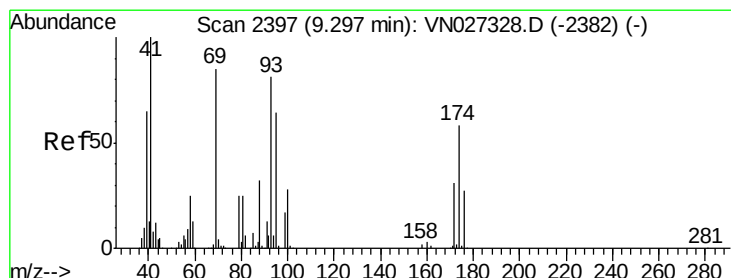
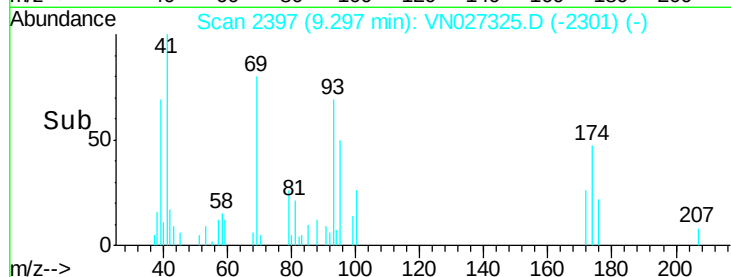
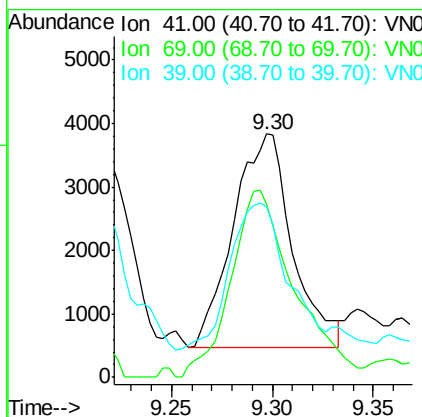
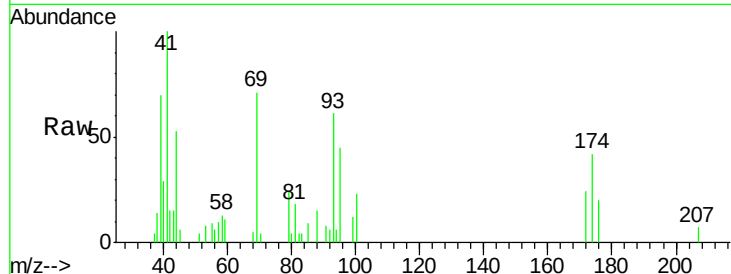
#49
Methvl methacrylate
Concen: 0.69 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
41	100	6862		
69	94.2	59.3	88.9#	
39	66.4	39.5	59.3#	

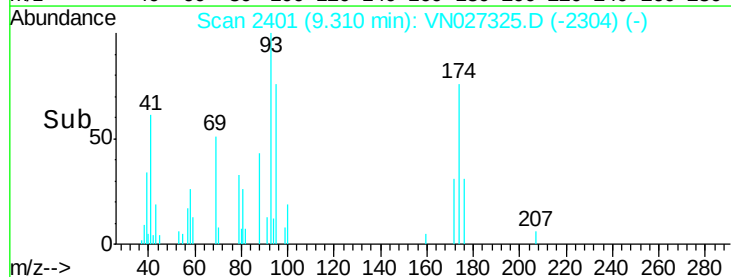
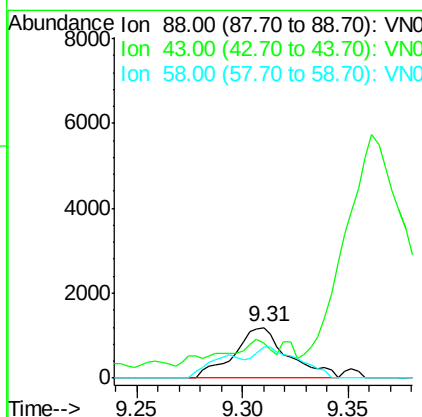
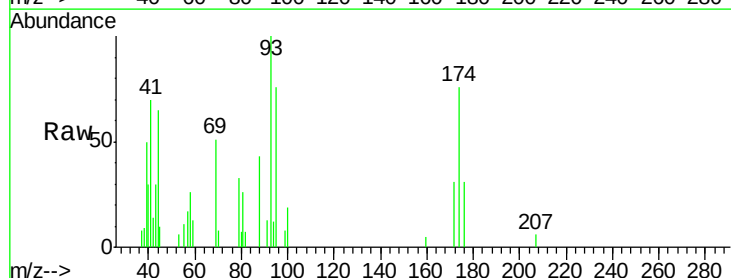
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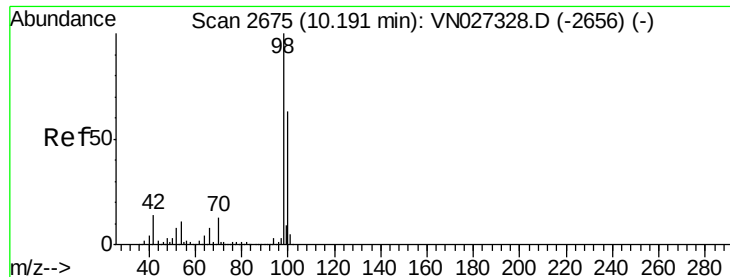
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#50
1,4-Dioxane
Concen: 18.04 ug/l
RT: 9.31 min Scan# 2401
Delta R.T. 0.01 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	2109		
43	44.8	27.6	41.4#	
58	52.3	63.1	94.7#	





#51

Toluene-d8

Concen: 1.02 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 98 Resp: 29521

Ion Ratio Lower Upper

98 100

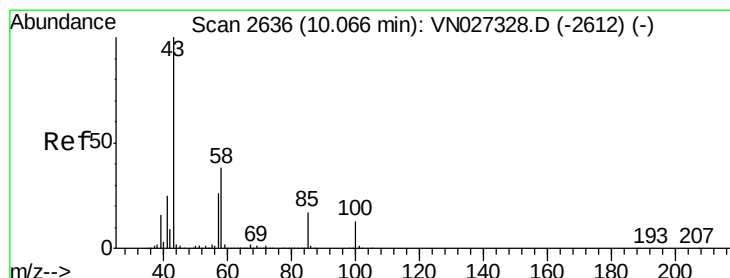
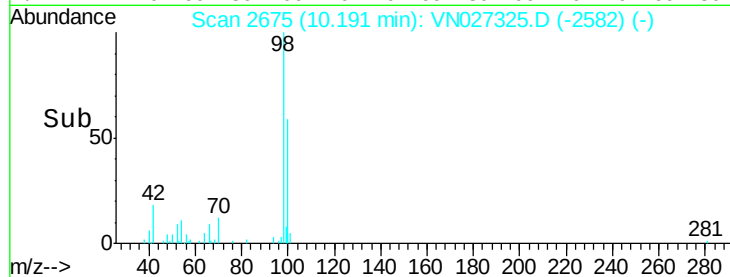
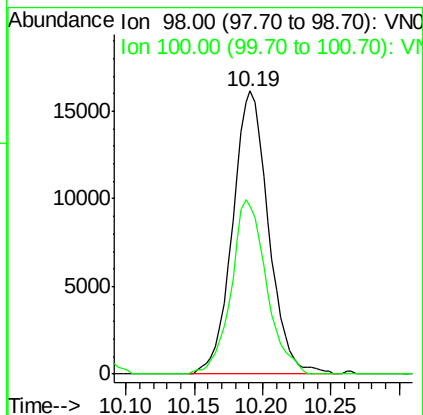
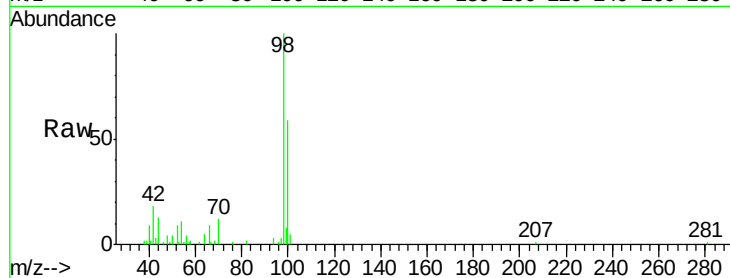
100 60.4 50.5 75.7

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#52

4-Methyl-2-Pentanone

Concen: 4.27 ug/l

RT: 10.07 min Scan# 2637

Delta R.T. 0.00 min

Lab File: VN027325.D

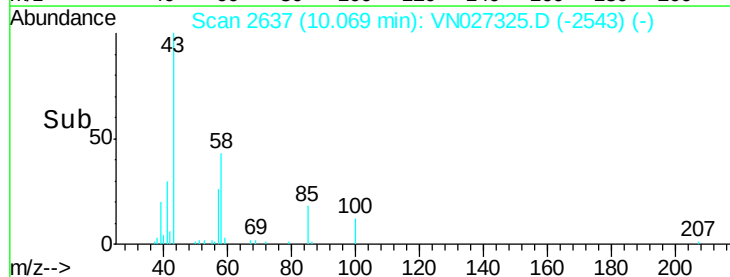
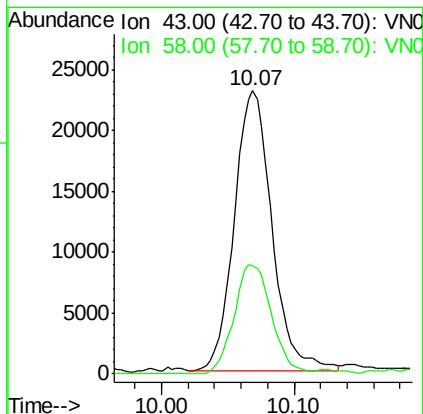
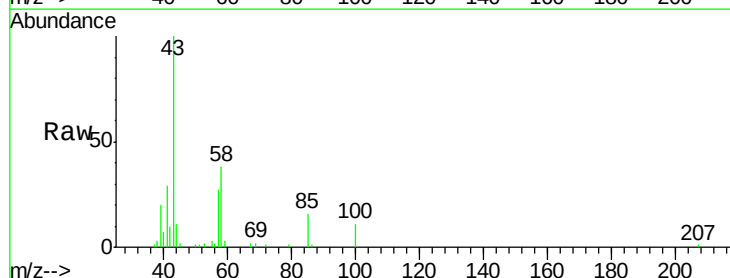
Acq: 21 Sep 2015 10:13

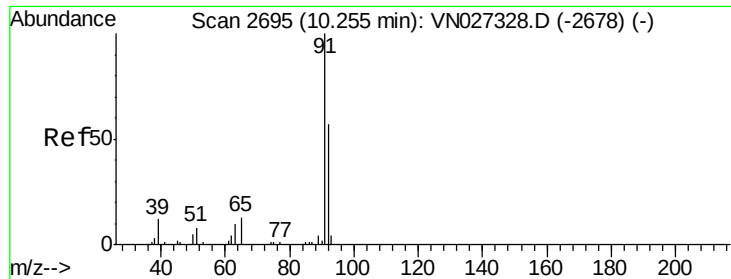
Tgt Ion: 43 Resp: 45157

Ion Ratio Lower Upper

43 100

58 38.8 29.8 44.8





#53

Toluene

Concen: 0.99 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 92 Resp: 21136

Ion Ratio Lower Upper

92 100

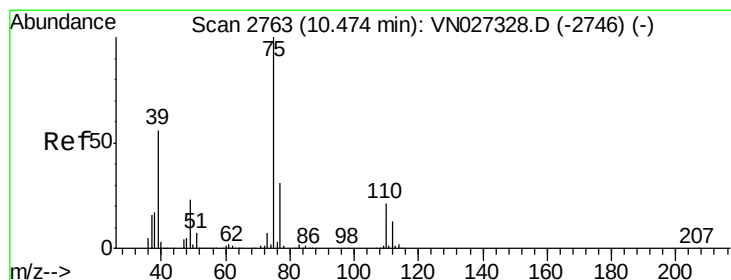
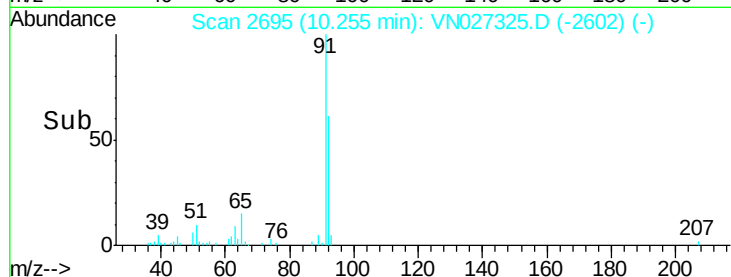
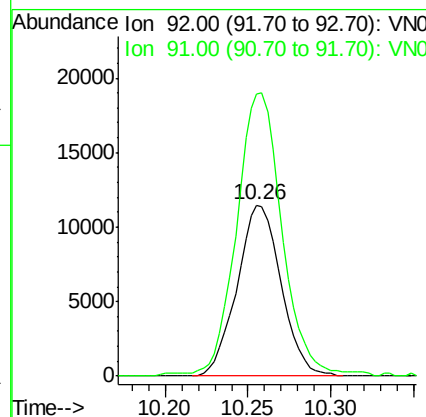
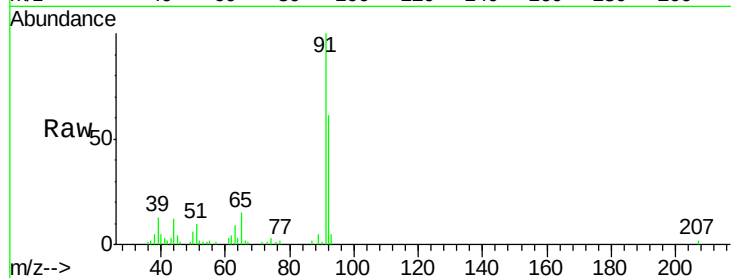
91 166.1 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 0.86 ug/l

RT: 10.48 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VN027325.D

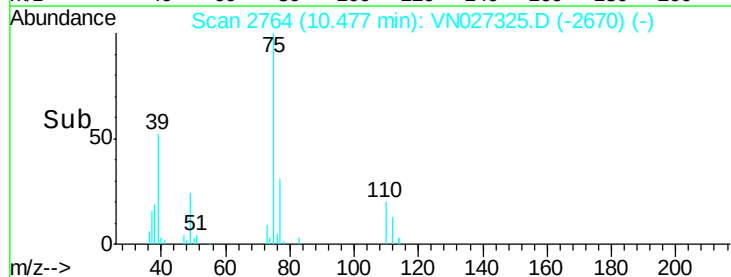
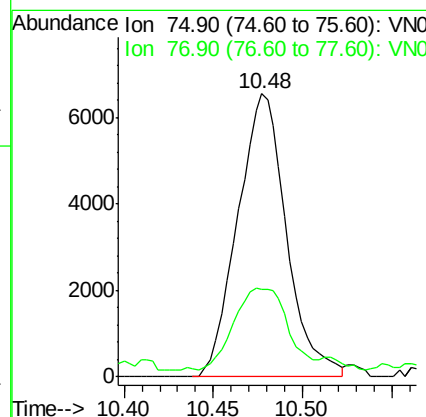
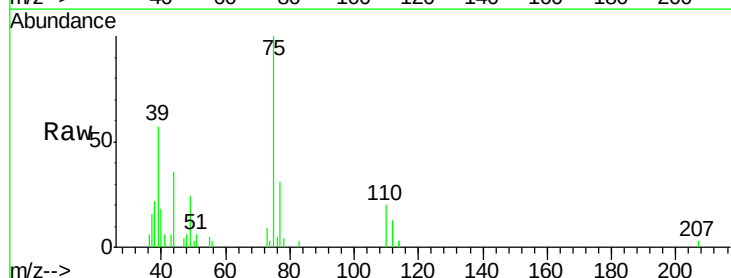
Acq: 21 Sep 2015 10:13

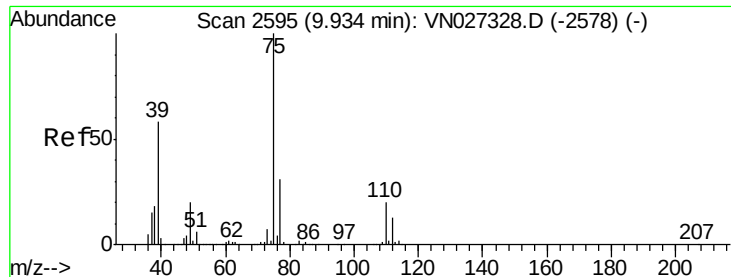
Tgt Ion: 75 Resp: 12517

Ion Ratio Lower Upper

75 100

77 27.9 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 0.88 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

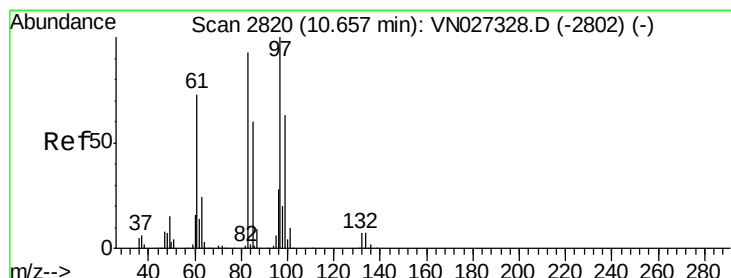
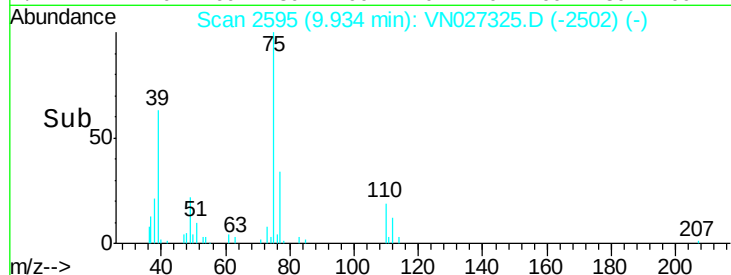
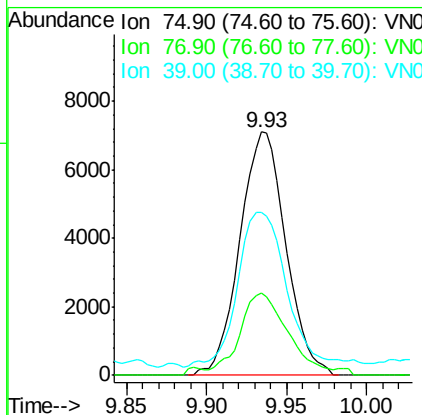
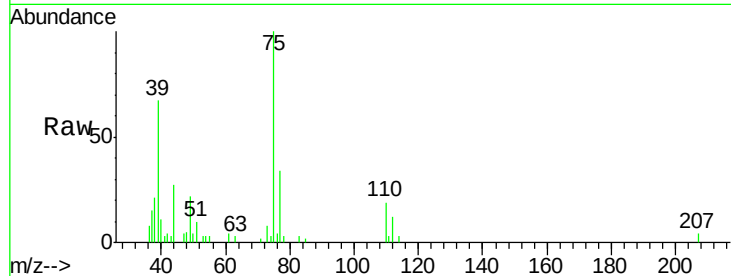
ClientSampleId :

VSTDIC001

Tot Ion:	75	Resp:	13934
Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	62.7	41.6	62.4#

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#56

1,1,2-Trichloroethane

Concen: 0.98 ug/l

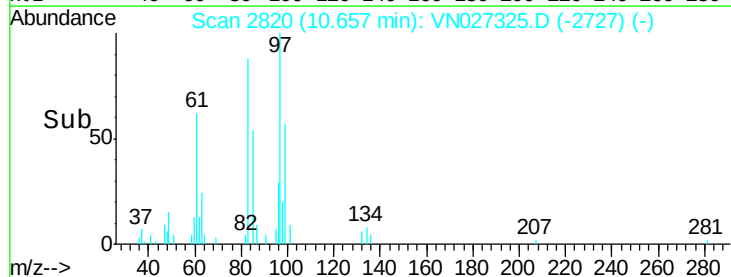
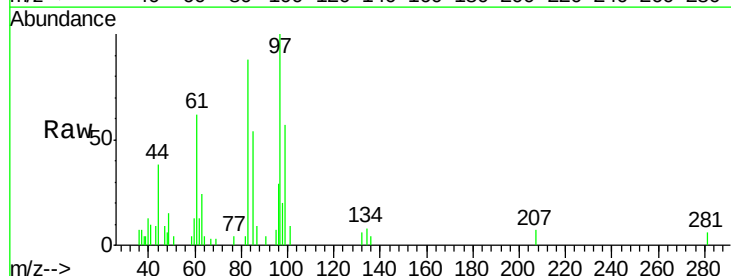
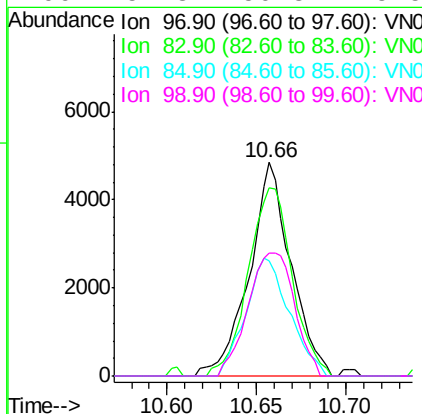
RT: 10.66 min Scan# 2820

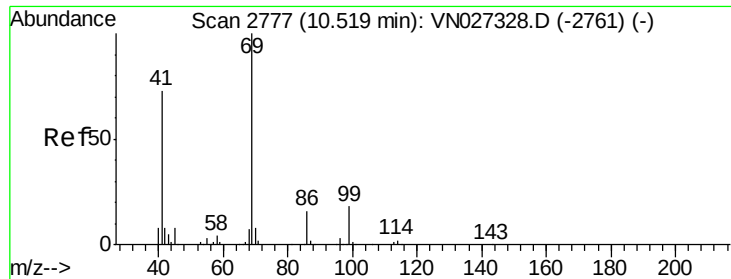
Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Tgt Ion:	97	Resp:	7908
Ion	Ratio	Lower	Upper
97	100		
83	88.1	75.0	112.4
85	53.7	48.0	72.0
99	57.3	50.3	75.5





#57

Ethyl methacrylate

Concen: 0.91 ug/l

RT: 10.53 min Scan# 2779

Delta R.T. 0.01 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

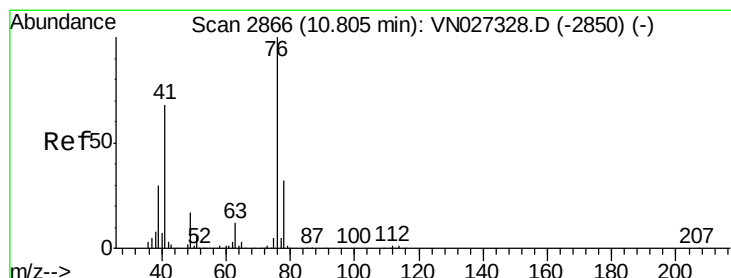
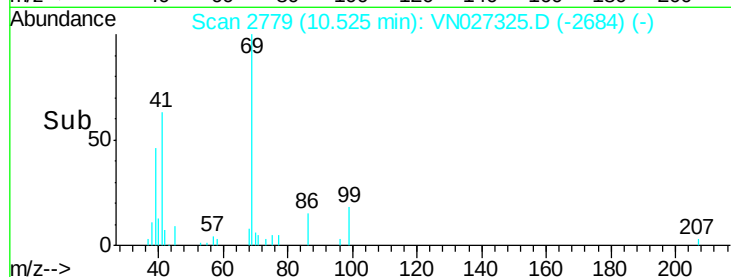
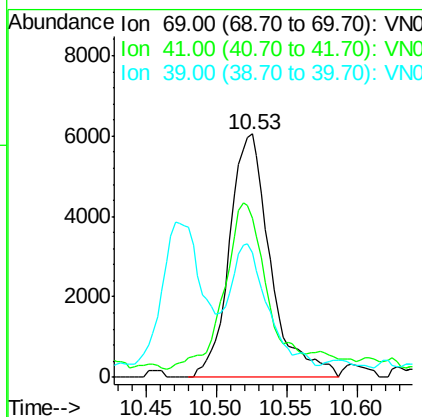
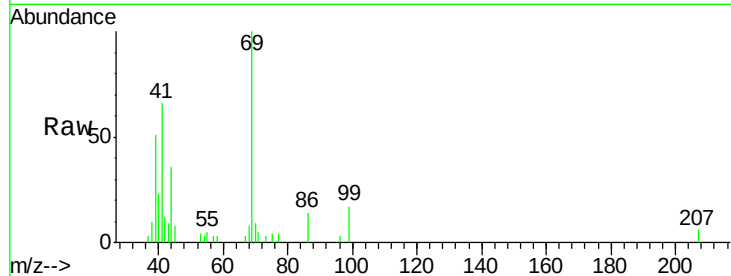
ClientSampled :

VSTDIC001

Tot Ion:	69	Resp:	12281
Ion Ratio	Lower	Upper	
69	100		
41	69.8	61.3	91.9
39	47.4	28.4	42.6

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#58

1,3-Dichloropropane

Concen: 0.97 ug/l

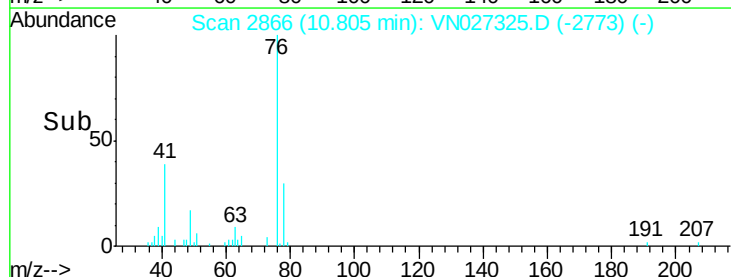
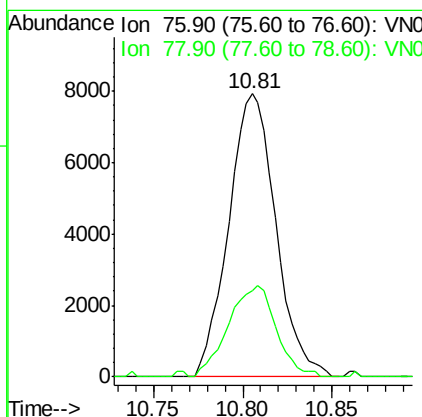
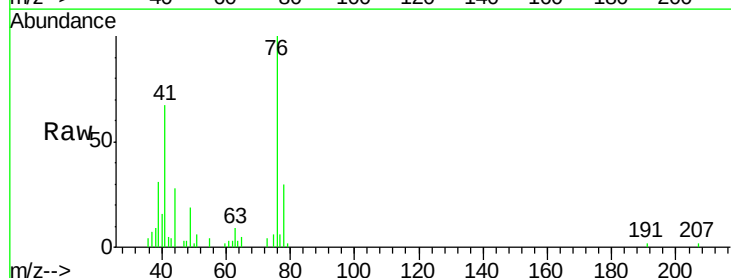
RT: 10.81 min Scan# 2866

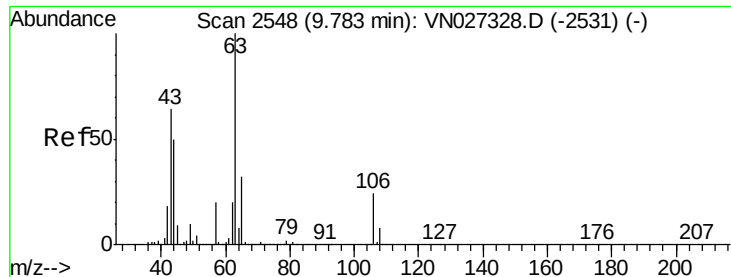
Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Tgt Ion:	76	Resp:	14548
Ion Ratio	Lower	Upper	
76	100		
78	32.7	25.0	37.6





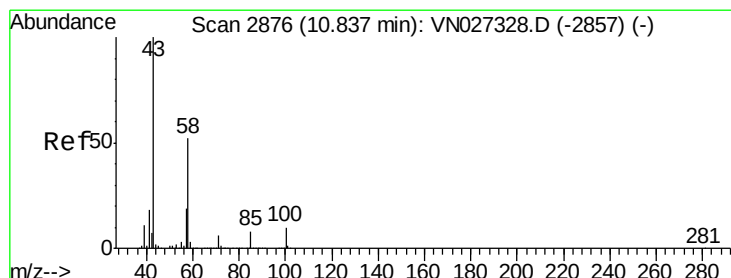
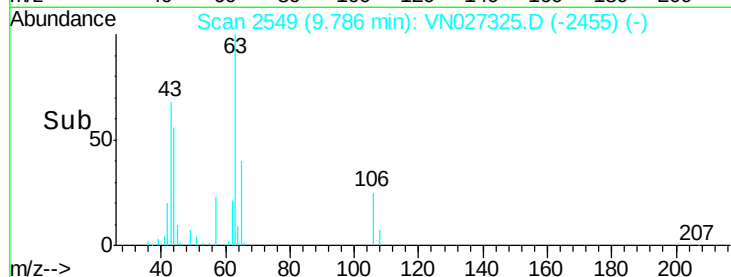
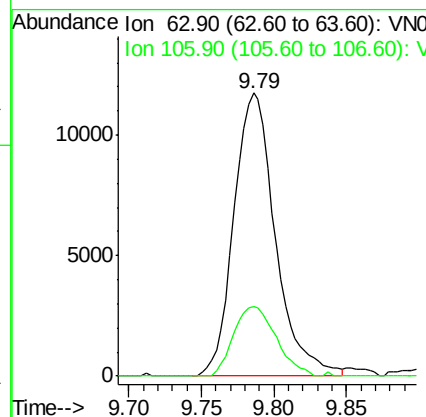
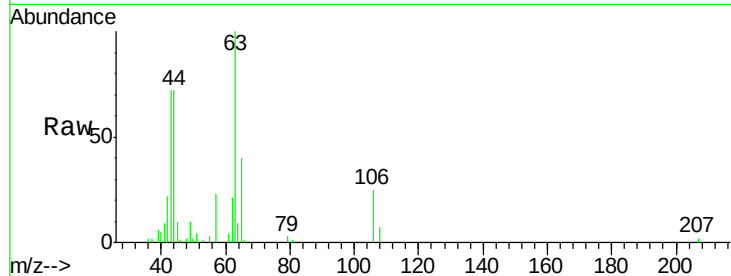
#59
2-Chloroethyl Vinyl ether
Concen: 3.76 ug/l
RT: 9.79 min Scan# 2549
Delta R.T. 0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 63 Resp: 23374
Ion Ratio Lower Upper
63 100
106 25.1 17.7 26.5

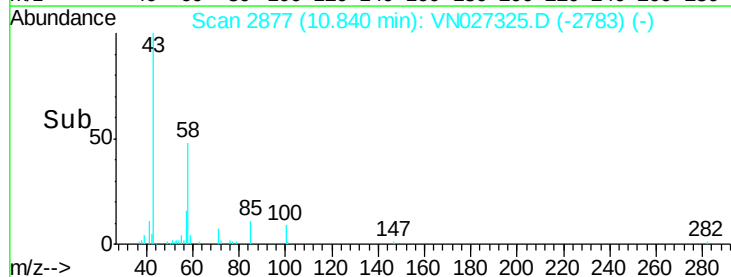
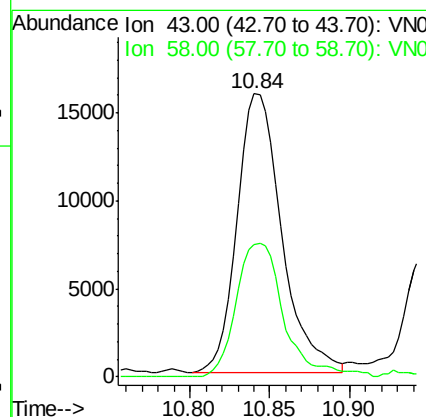
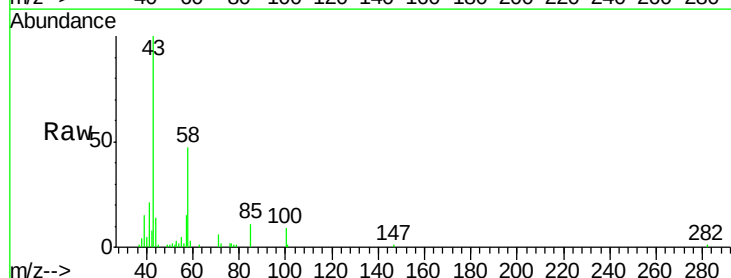
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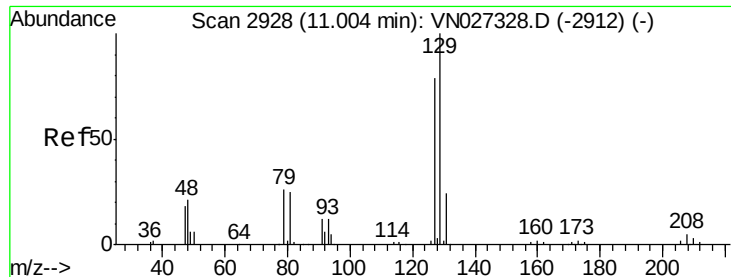
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#60
2-Hexanone
Concen: 4.19 ug/l
RT: 10.84 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion: 43 Resp: 30194
Ion Ratio Lower Upper
43 100
58 51.3 26.2 78.5





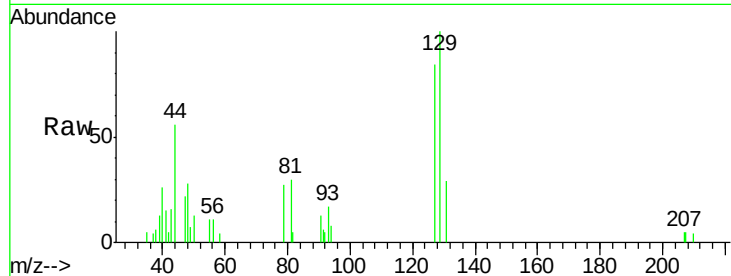
#61
 Dibromochloromethane
 Concen: 0.85 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

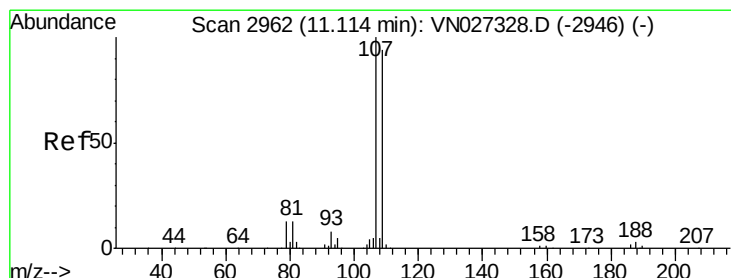
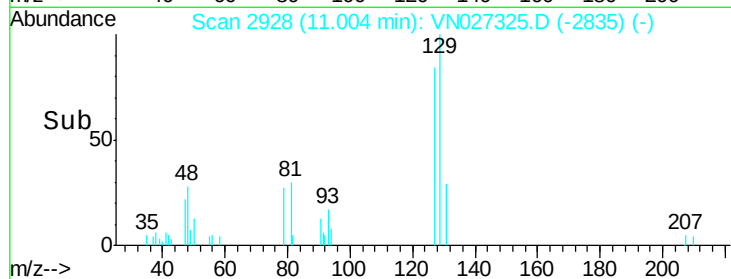
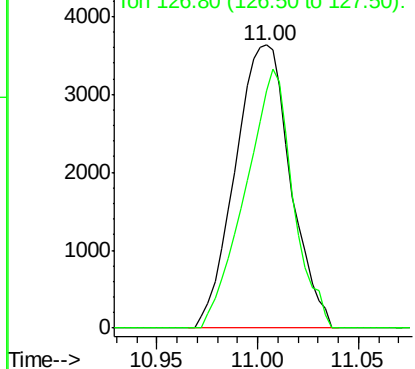
Tot Ion:129 Resp: 6977
 Ion Ratio Lower Upper
 129 100
 127 78.9 39.1 117.2

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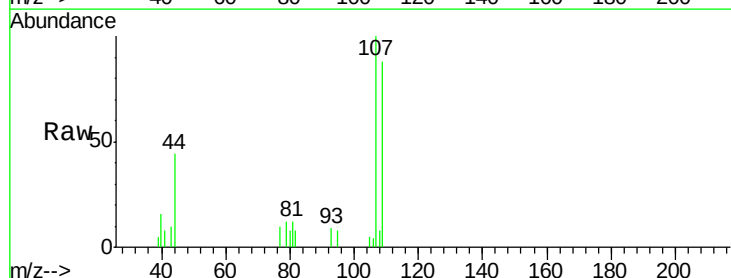


Abundance Ion 128.80 (128.50 to 129.50): V
 Ion 126.80 (126.50 to 127.50): V

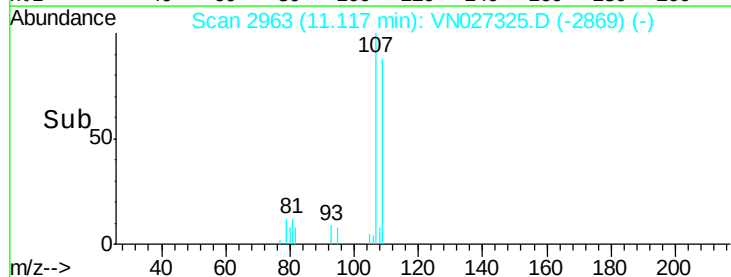
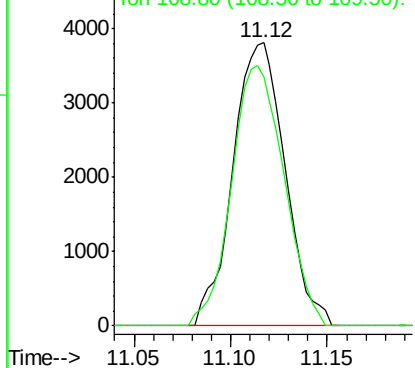


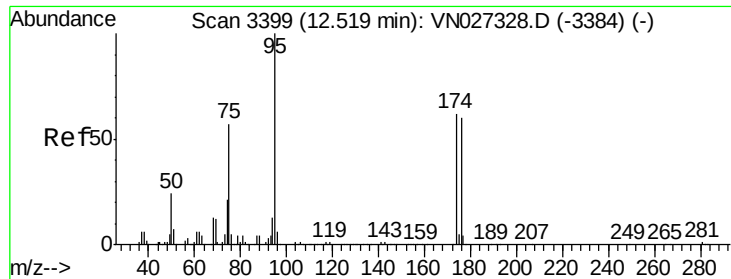
#62
 1,2-Dibromoethane
 Concen: 0.90 ug/l
 RT: 11.12 min Scan# 2963
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion:107 Resp: 7147
 Ion Ratio Lower Upper
 107 100
 109 92.4 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V
 Ion 108.80 (108.50 to 109.50): V





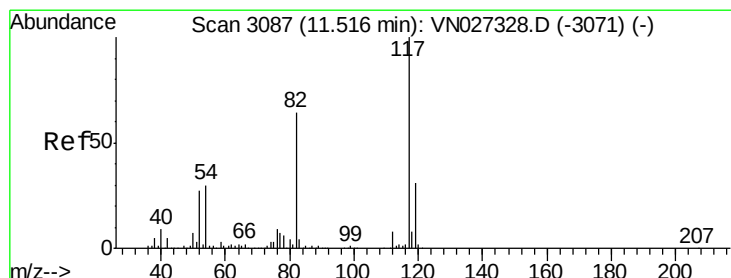
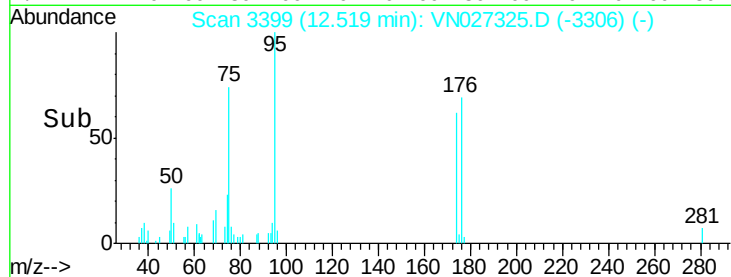
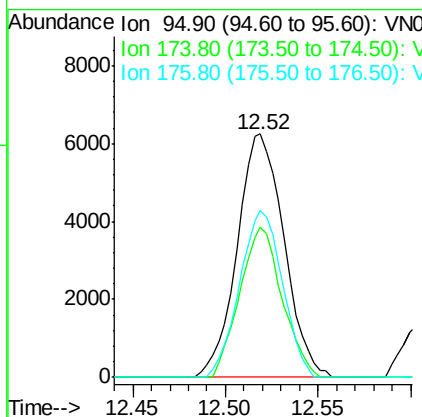
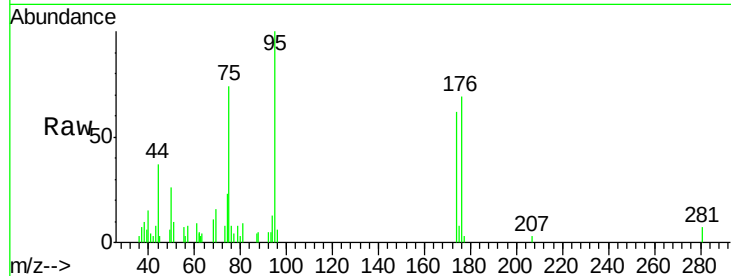
#63
4-Bromofluorobenzene
Concen: 1.06 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
95	100	10935		
174	55.8	0.0	137.0	
176	62.6	0.0	130.8	

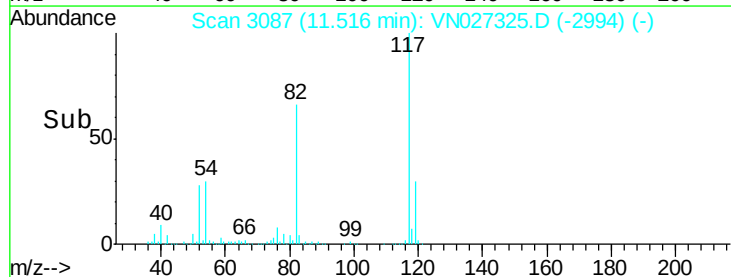
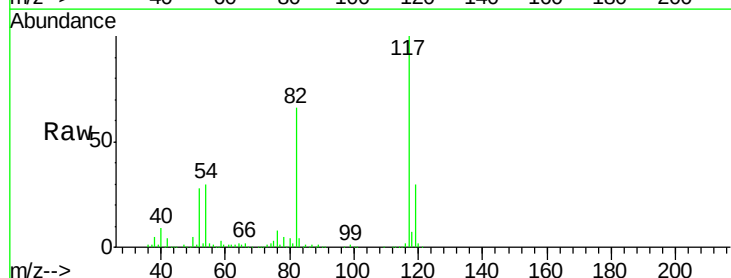
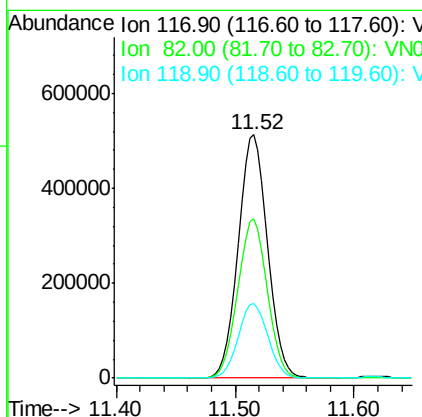
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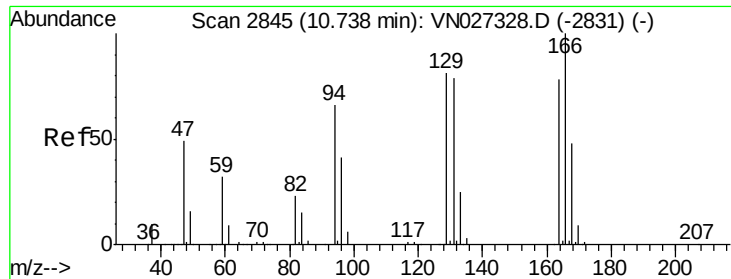
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#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	873983		
82	65.5	49.6	74.4	
119	30.4	24.6	36.8	





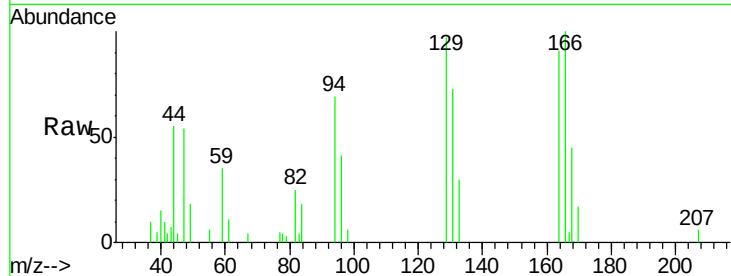
#65
Tetrachloroethene
Concen: 1.11 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

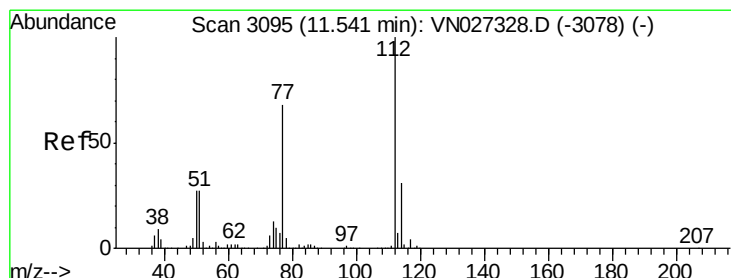
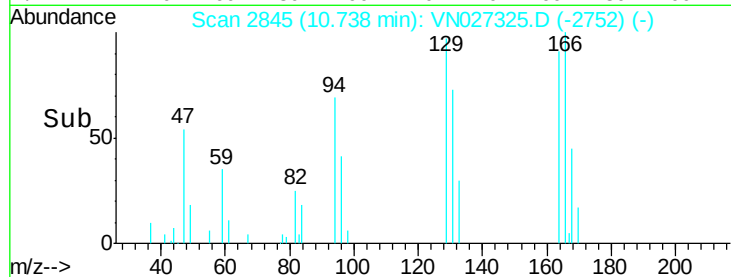
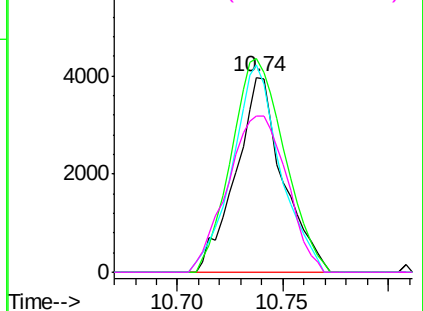
Tot Ion	Ratio	Lower	Upper
164	100		
166	109.6	103.4	155.0
129	106.4	77.5	116.3
131	80.5	74.2	111.4

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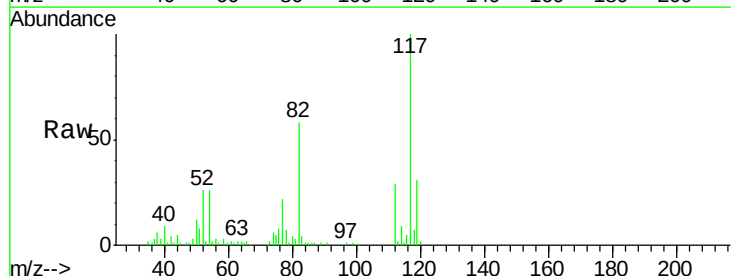


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

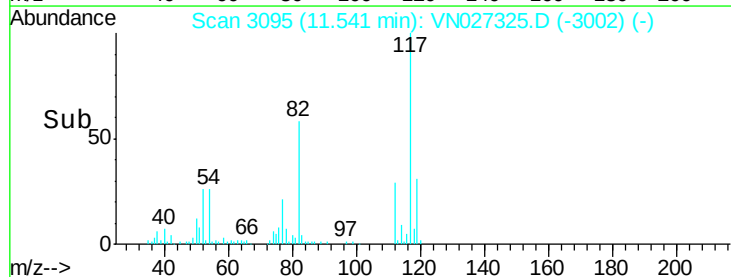
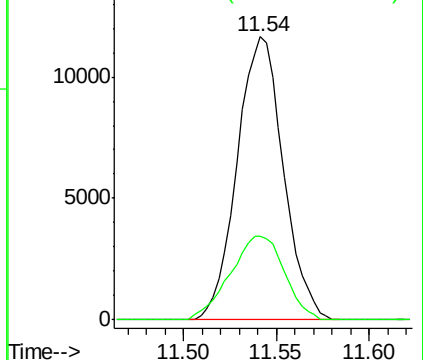


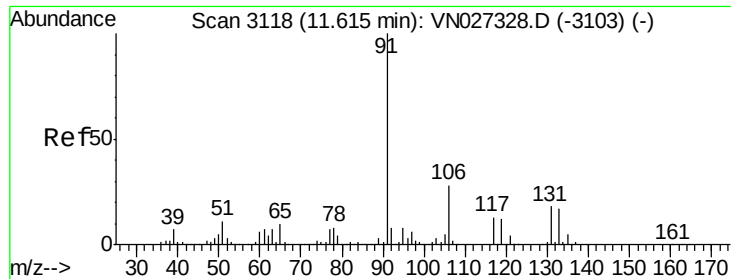
#66
Chlorobenzene
Concen: 0.98 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. -0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
112	100		
114	29.6	24.9	37.3



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





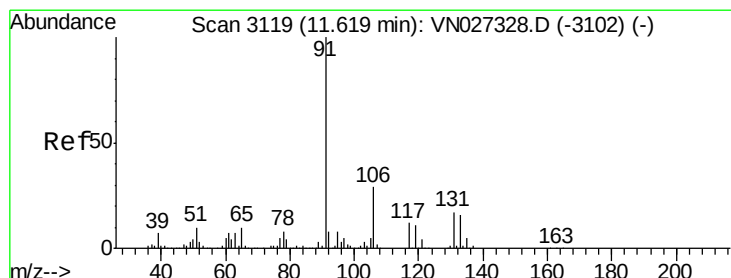
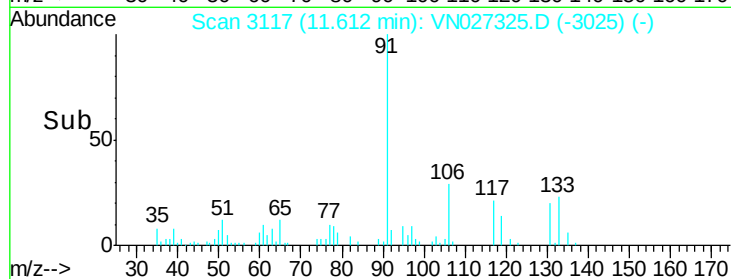
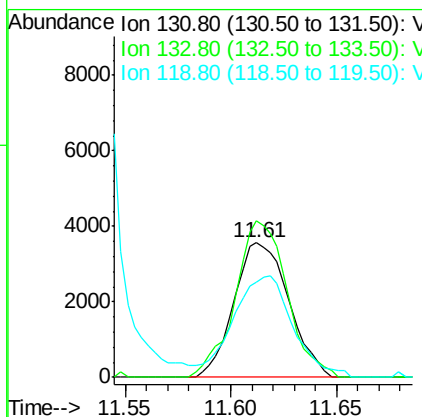
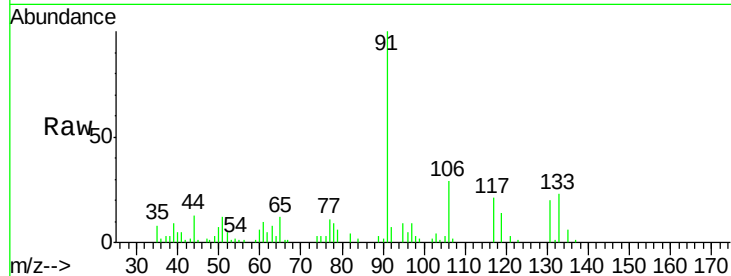
#67
 1,1,1,2-Tetrachloroethane
 Concen: 0.92 ug/l
 RT: 11.61 min Scan# 3117
 Delta R.T. -0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:131 Resp: 6444
 Ion Ratio Lower Upper
 131 100
 133 109.9 47.0 141.2
 119 0.0 35.1 105.5#

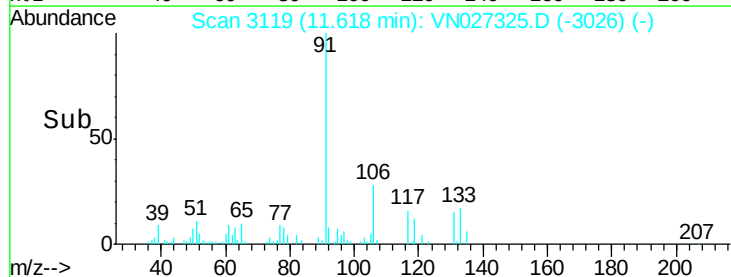
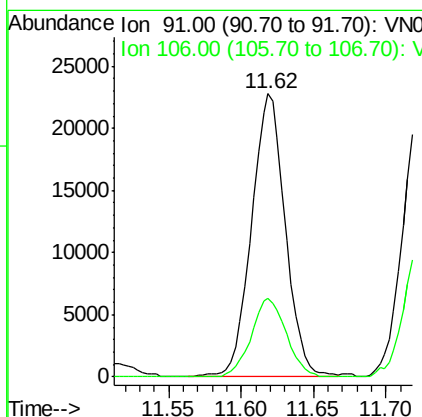
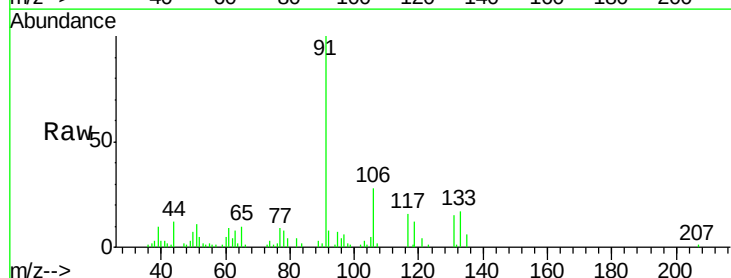
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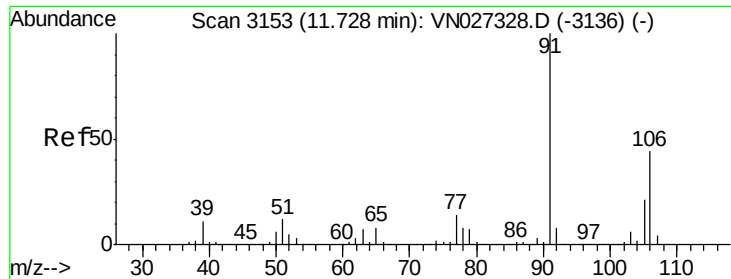
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#68
 Ethyl Benzene
 Concen: 0.95 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. -0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion: 91 Resp: 37029
 Ion Ratio Lower Upper
 91 100
 106 27.6 23.1 34.7





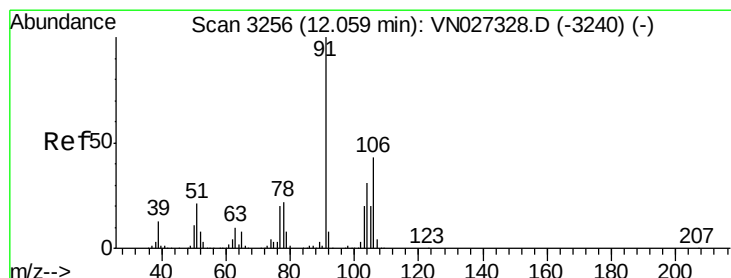
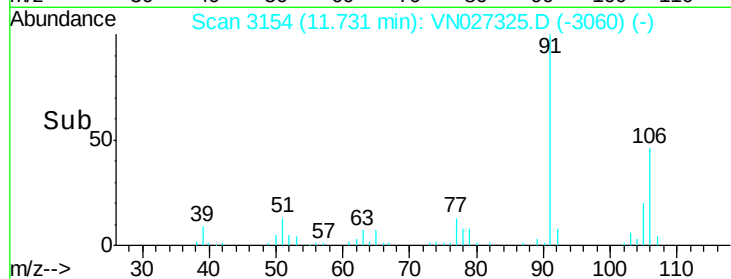
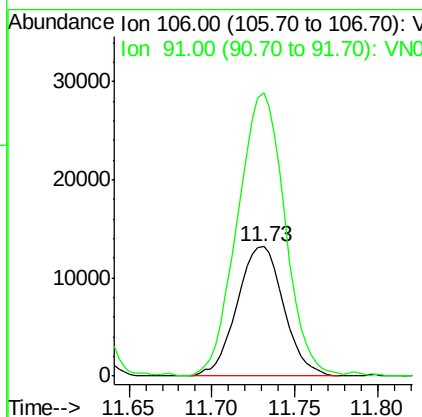
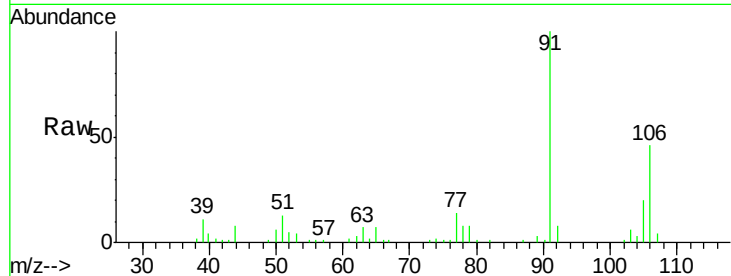
#69
m/p-Xylenes
Concen: 1.91 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:106 Resp: 25792
Ion Ratio Lower Upper
106 100
91 222.2 167.1 250.7

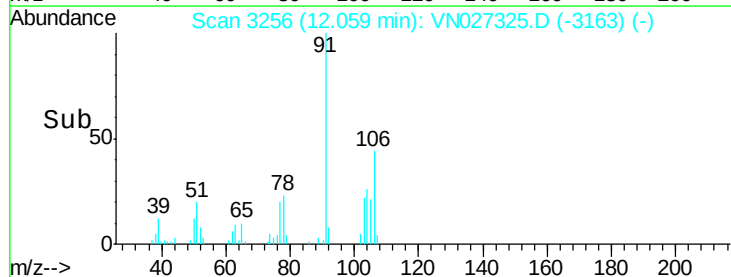
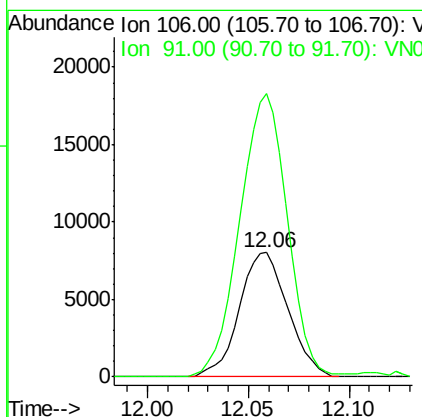
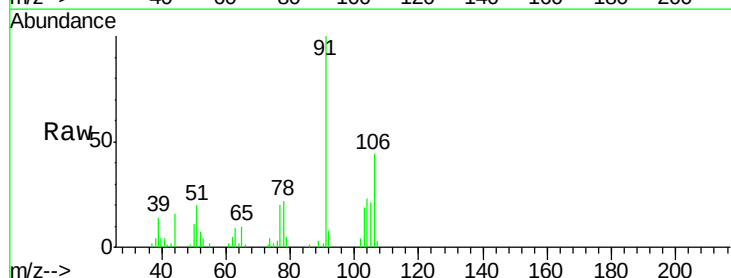
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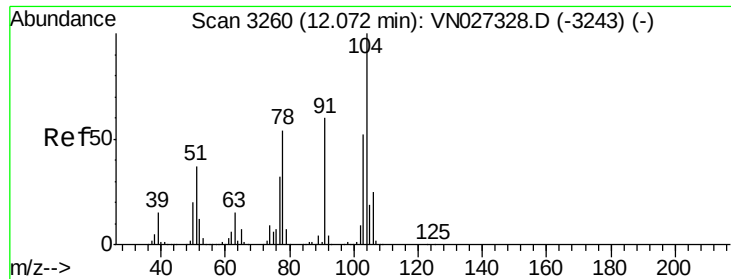
MMDadoda
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#70
o-Xylene
Concen: 1.00 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. -0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion:106 Resp: 13528
Ion Ratio Lower Upper
106 100
91 223.0 110.7 331.9





#71

Stvrene

Concen: 0.91 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

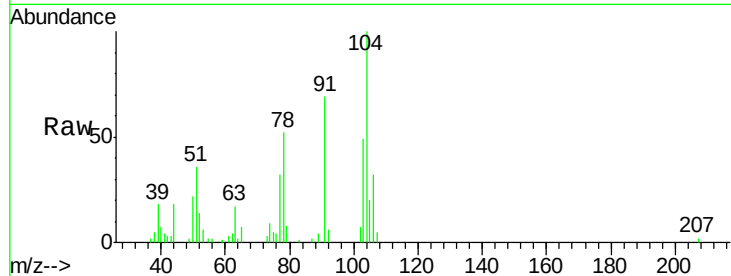
ClientSampleId :

VSTDIC001

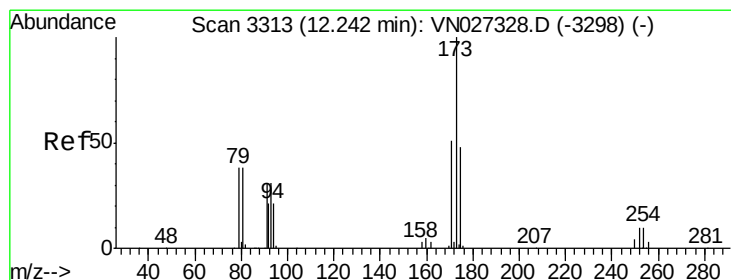
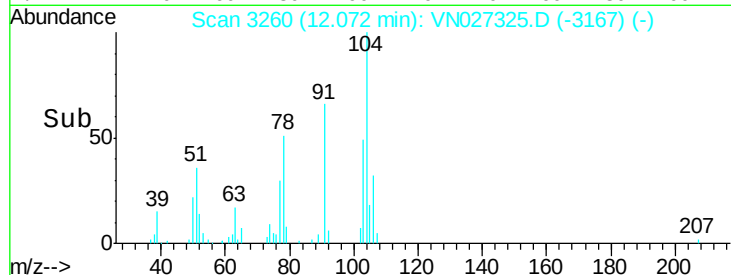
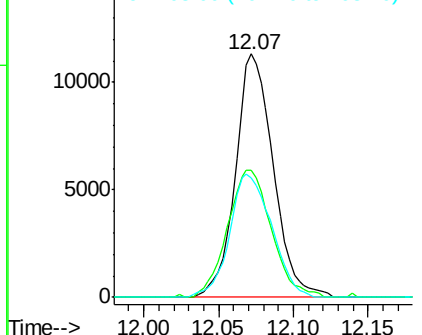
Tot Ion:	104	Resp:	19916
Ion Ratio	Lower	Upper	
104	100		
78	60.7	41.6	62.4
103	56.3	44.2	66.2

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Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 0.87 ug/l

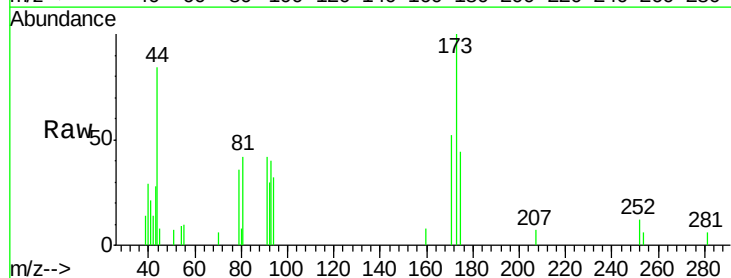
RT: 12.24 min Scan# 3312

Delta R.T. -0.00 min

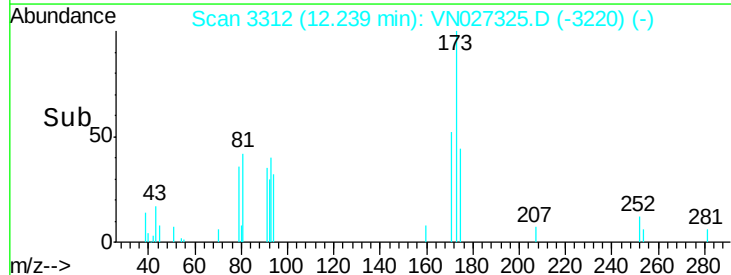
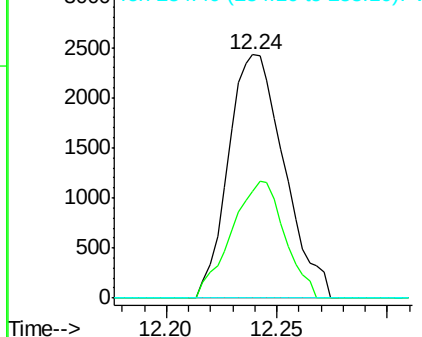
Lab File: VN027325.D

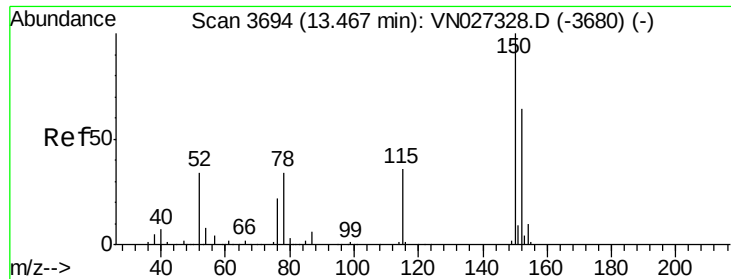
Acq: 21 Sep 2015 10:13

Tgt Ion:	173	Resp:	4267
Ion Ratio	Lower	Upper	
173	100		
175	45.5	24.4	73.4
254	0.0	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: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

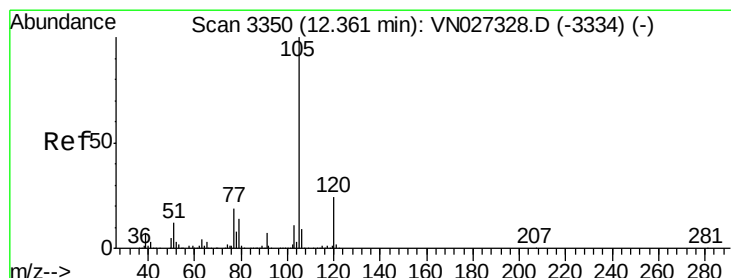
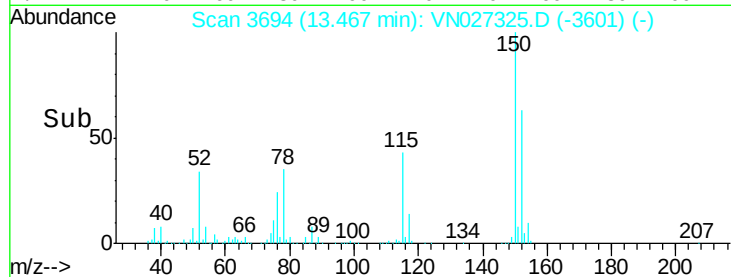
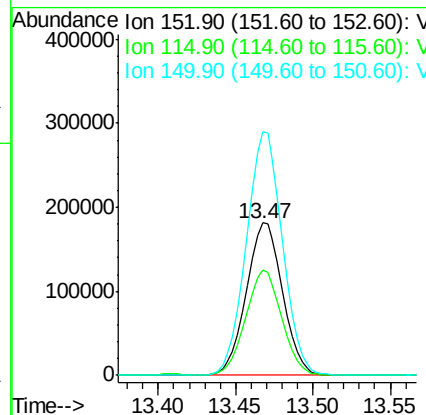
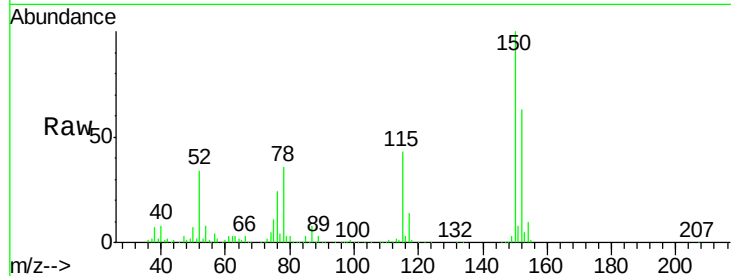
ClientSampleId :

VSTDIC001

Tot Ion:	152	Resp:	296159
Ion Ratio	Lower	Upper	
152	100		
115	67.8	30.8	92.3
150	158.5	0.0	345.0

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#74

Isopropylbenzene

Concen: 0.97 ug/l

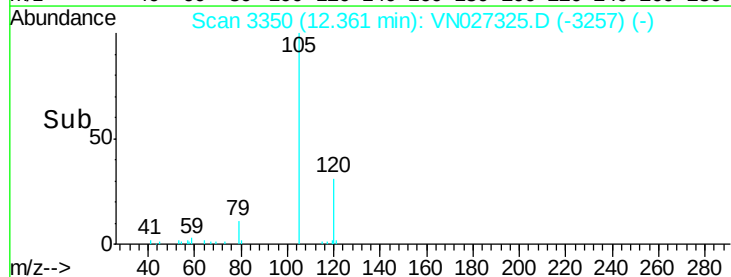
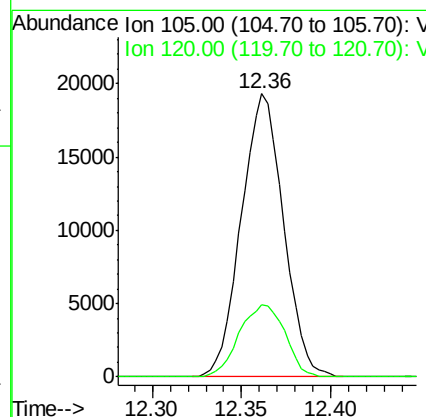
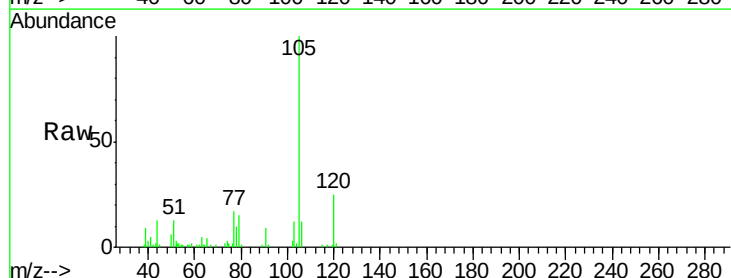
RT: 12.36 min Scan# 3350

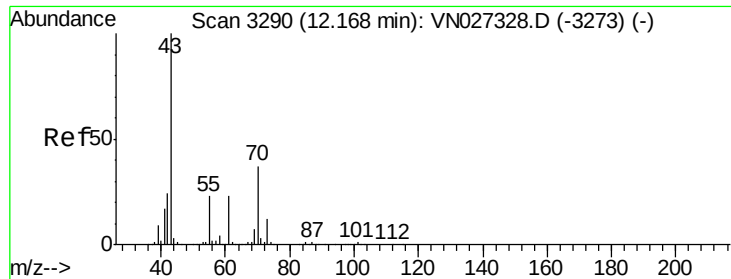
Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Tgt Ion:	105	Resp:	31787
Ion Ratio	Lower	Upper	
105	100		
120	27.7	12.4	37.2





#75

N-amvl acetate

Concen: 0.79 ug/l

RT: 12.17 min Scan# 3291

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

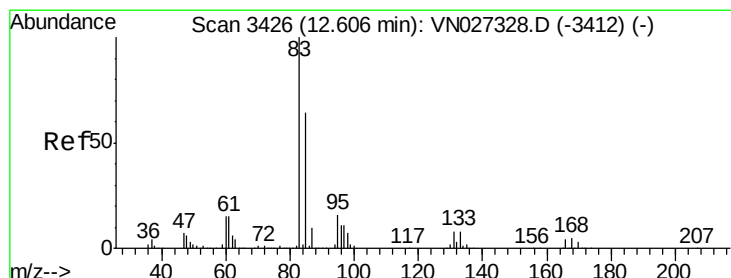
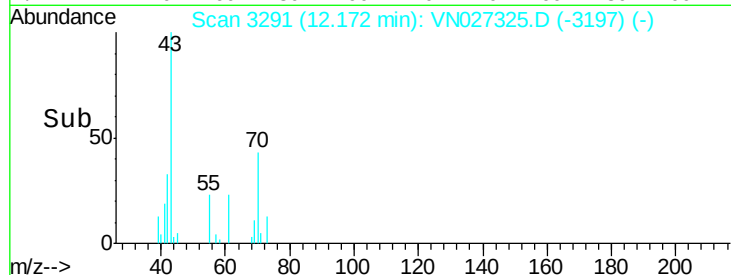
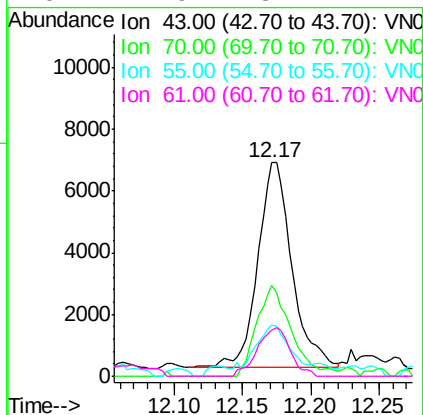
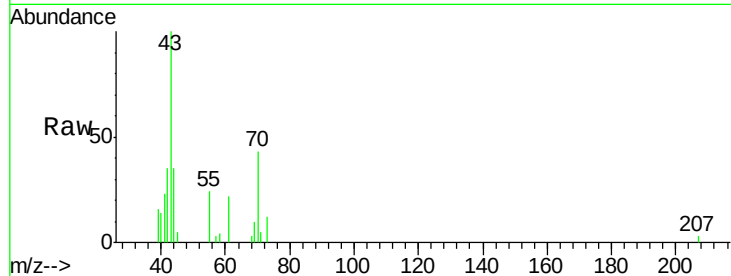
ClientSampleId :

VSTDIC001

Tot Ion	43	Resp	11435
Ion	Ratio	Lower	Upper
43	100		
70	45.6	29.8	44.8#
55	19.1	19.4	29.0#
61	22.9	18.2	27.2

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#76

1,1,2,2-Tetrachloroethane

Concen: 1.06 ug/l

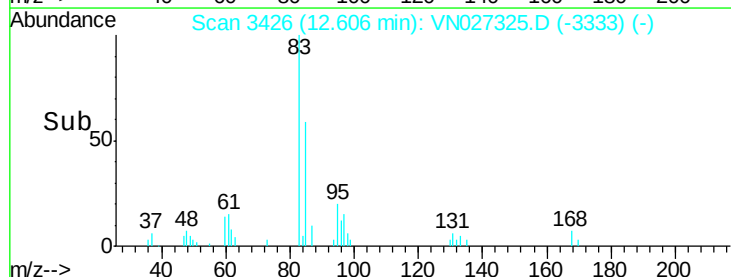
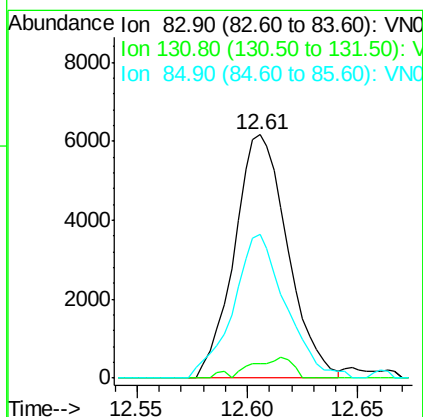
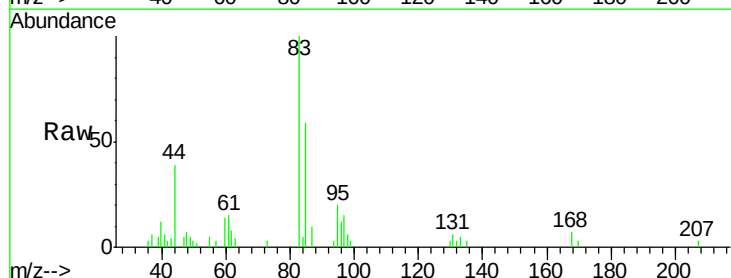
RT: 12.61 min Scan# 3426

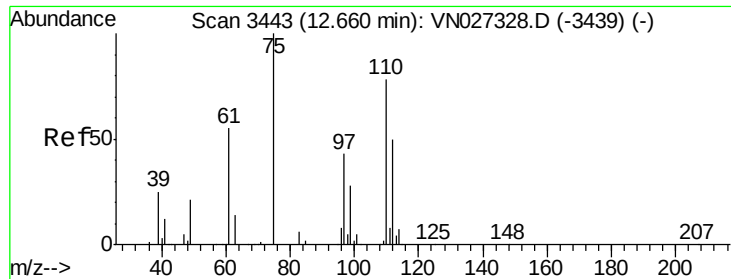
Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Tgt Ion	83	Resp	10302
Ion	Ratio	Lower	Upper
83	100		
131	6.1	4.1	12.3
85	58.5	31.9	95.7





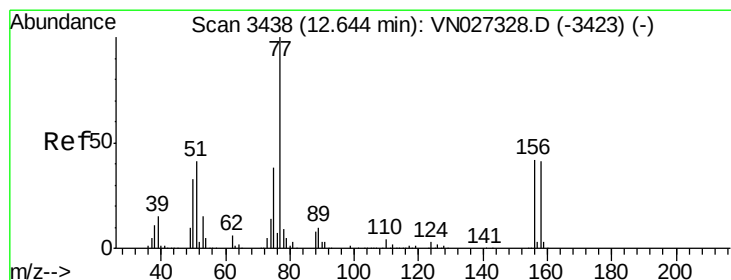
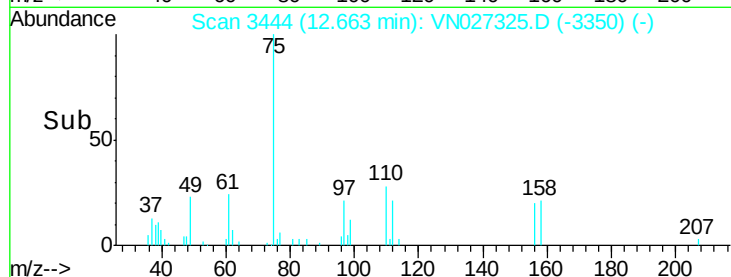
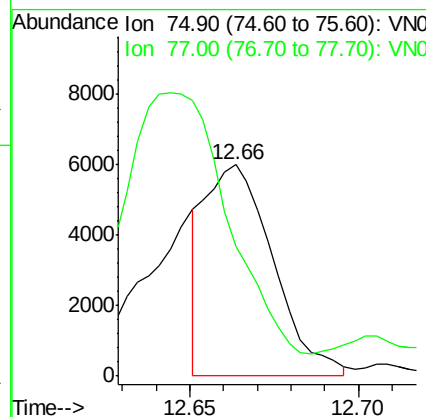
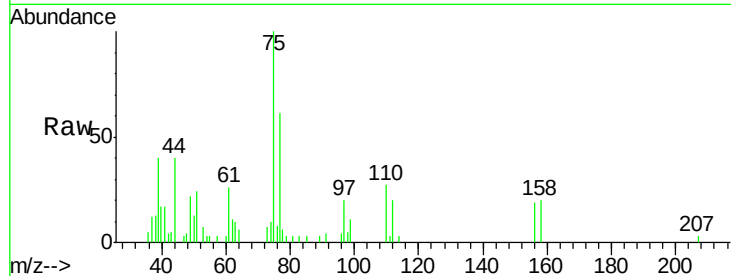
#77
 1,2,3-Trichloropropane
 Concen: 0.94 ug/l m
 RT: 12.66 min Scan# 3444
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion: 75 Resp: 8447
 Ion Ratio Lower Upper
 75 100
 77 217.1 103.1 309.3

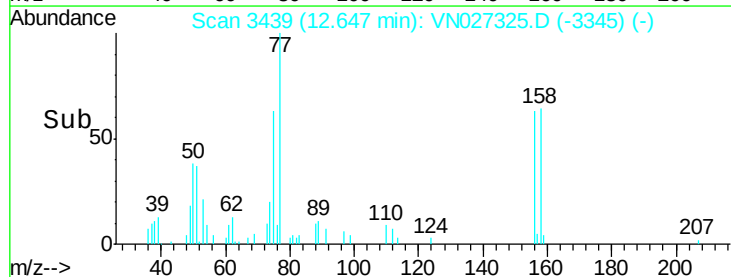
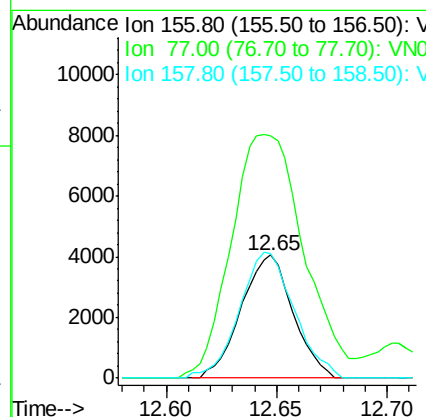
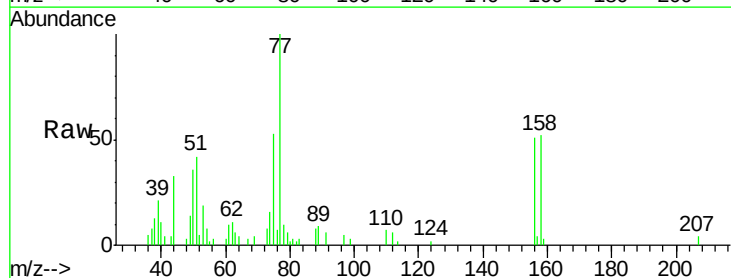
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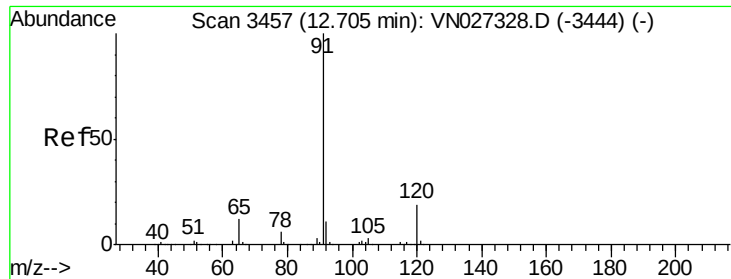
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#78
 Bromobenzene
 Concen: 1.03 ug/l
 RT: 12.65 min Scan# 3439
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion: 156 Resp: 6593
 Ion Ratio Lower Upper
 156 100
 77 278.2 127.3 381.9
 158 108.4 48.0 144.2





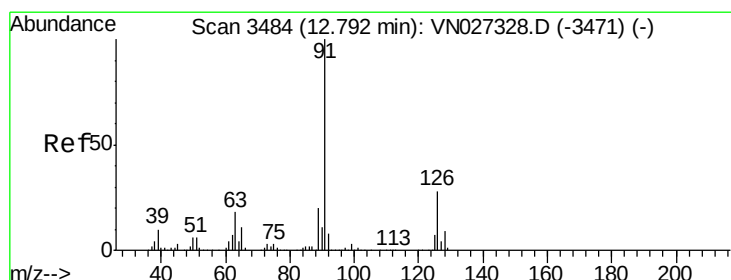
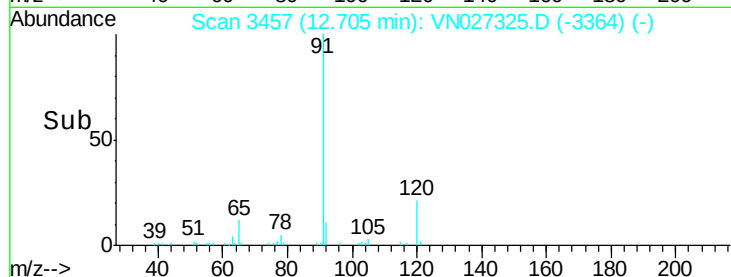
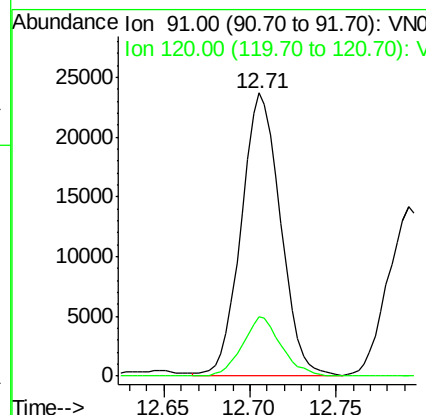
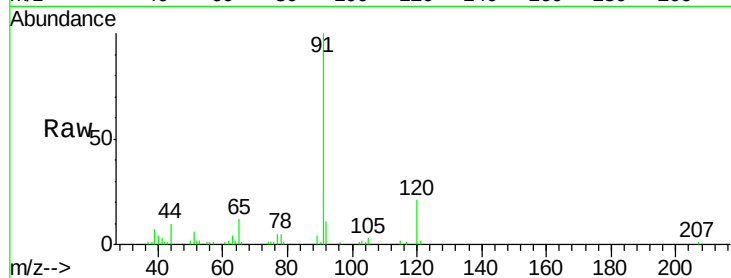
#79
n-propylbenzene
Concen: 0.98 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
91	100		
120	20.6	10.3	30.8

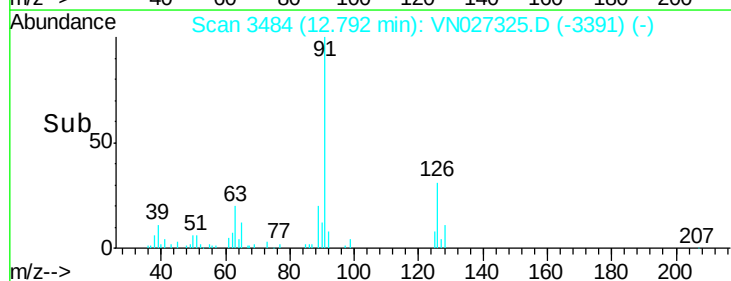
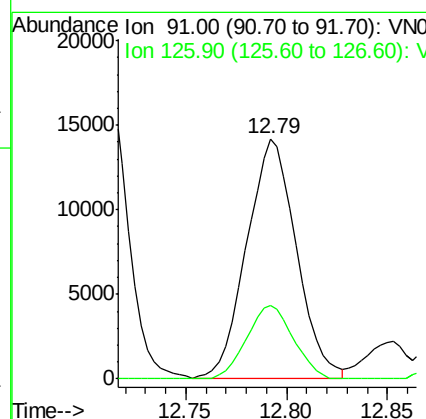
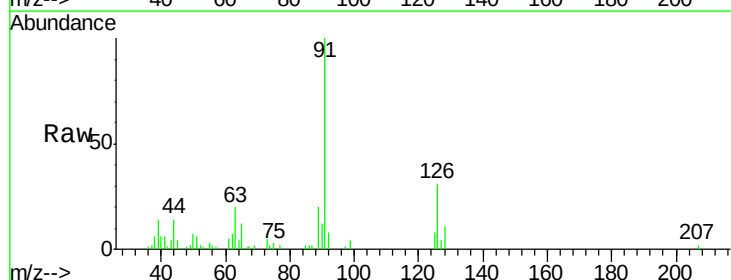
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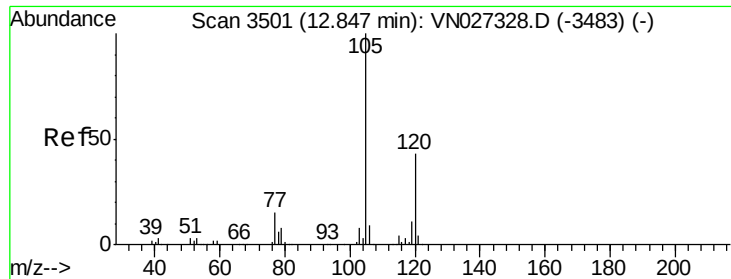
MMDadoda
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#80
2-Chlorotoluene
Concen: 1.06 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. -0.00 min
Lab File: VN027325.D
Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	28.5	15.2	45.5





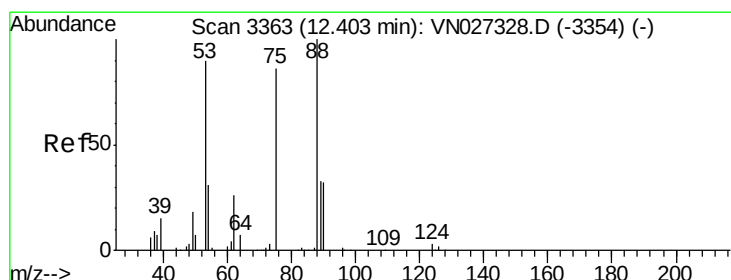
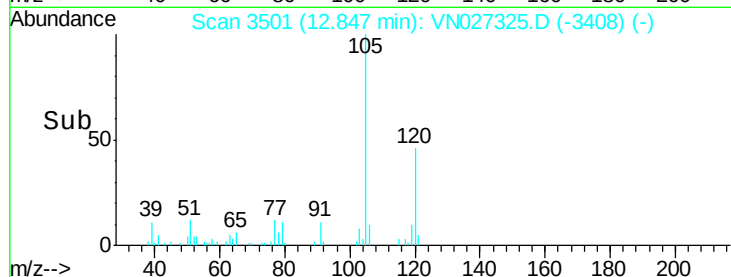
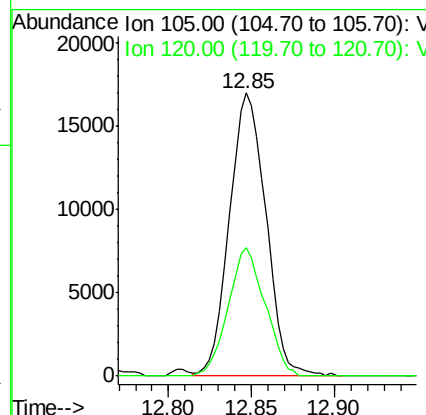
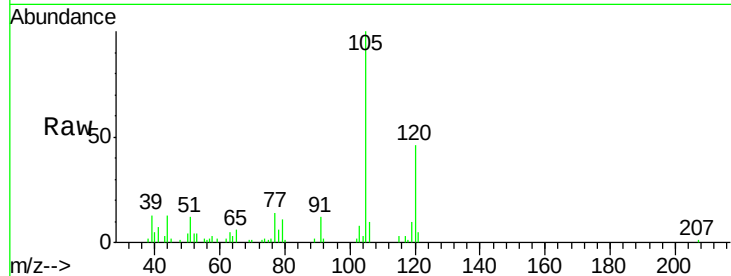
#81
 1,3,5-Trimethylbenzene
 Concen: 0.99 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. -0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:105 Resp: 26054
 Ion Ratio Lower Upper
 105 100
 120 45.8 23.4 70.0

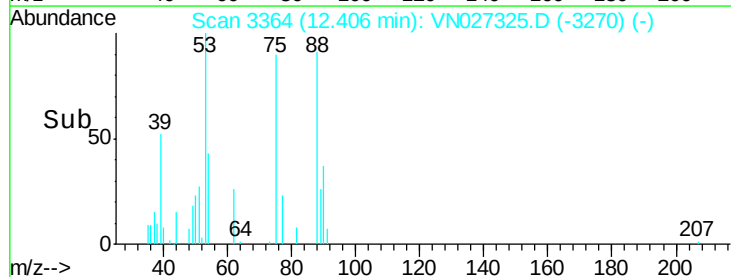
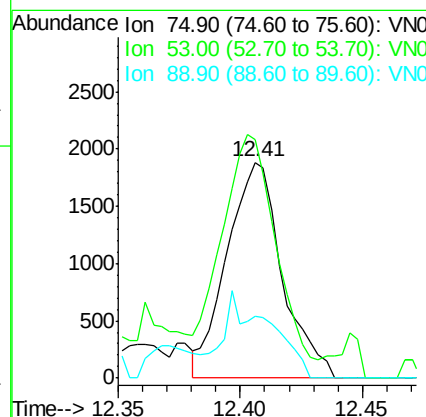
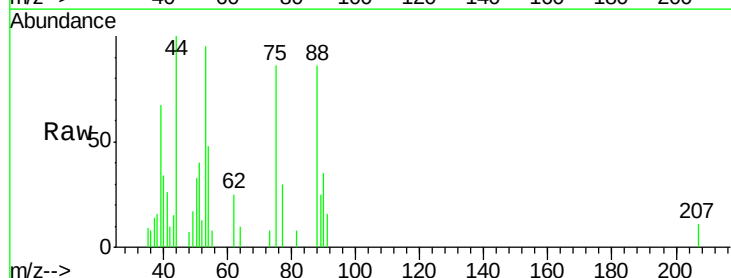
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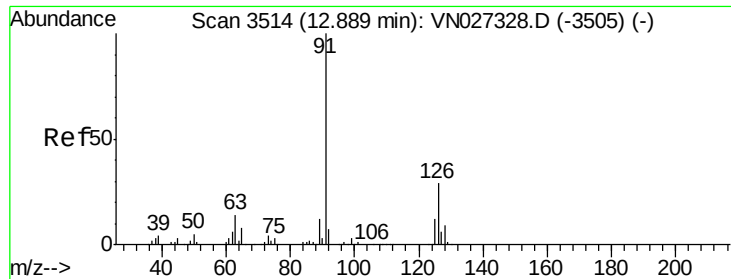
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 0.81 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion: 75 Resp: 2954
 Ion Ratio Lower Upper
 75 100
 53 114.6 92.9 139.3
 89 8.7 34.2 51.4#





#83

4-Chlorotoluene

Concen: 1.02 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion: 91 Resp: 23046

Ion Ratio Lower Upper

91 100

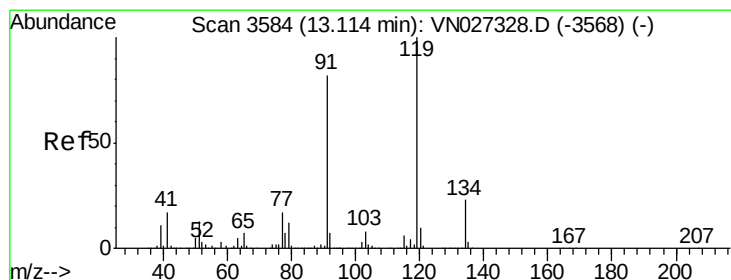
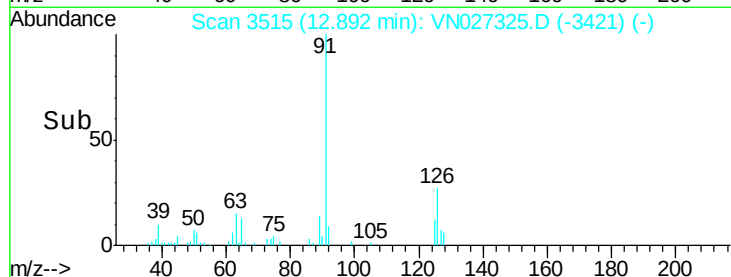
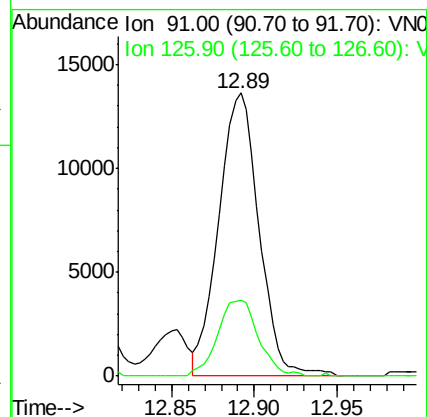
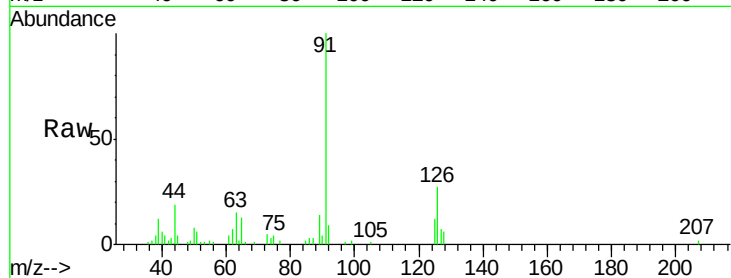
126 27.1 14.9 44.5

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#84

tert-Butylbenzene

Concen: 0.98 ug/l

RT: 13.11 min Scan# 3584

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

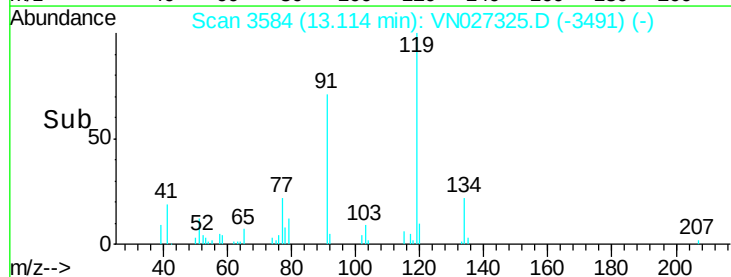
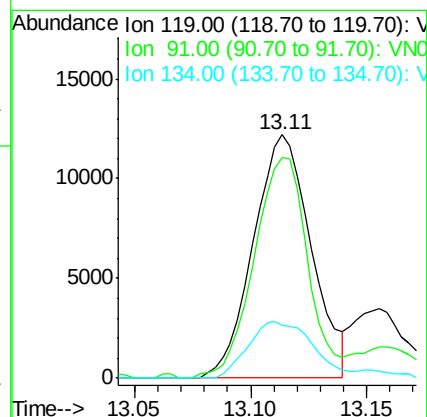
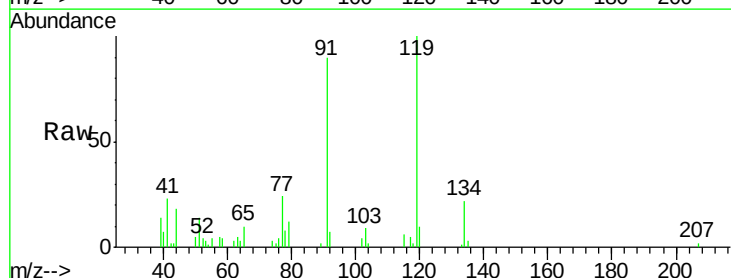
Tgt Ion: 119 Resp: 21152

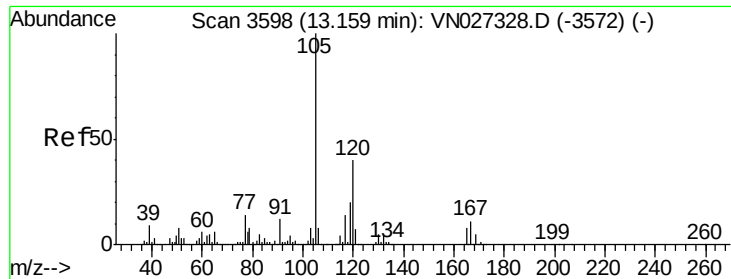
Ion Ratio Lower Upper

119 100

91 83.7 34.6 103.8

134 26.0 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 0.95 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:105 Resp: 25037

Ion Ratio Lower Upper

105 100

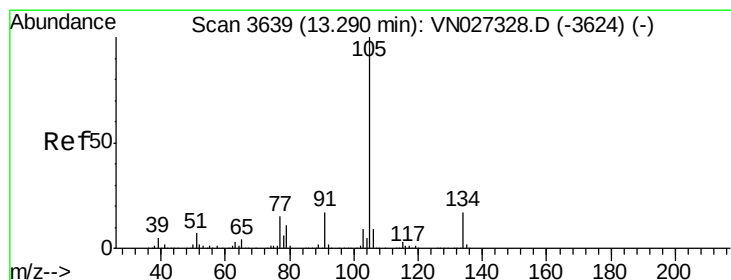
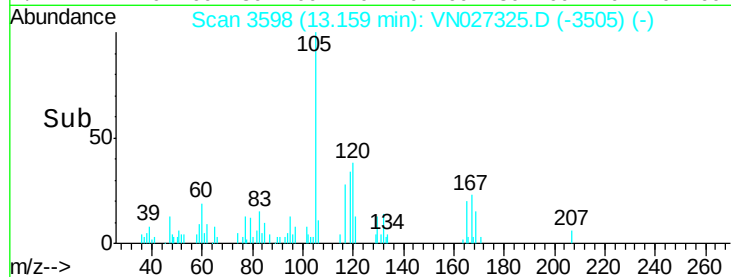
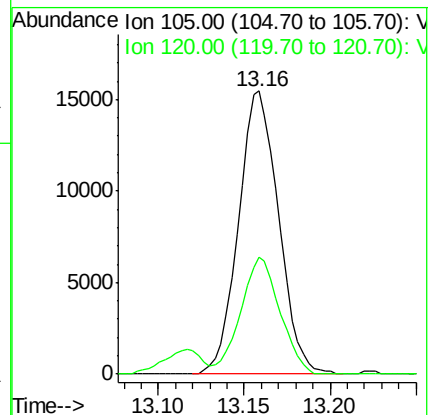
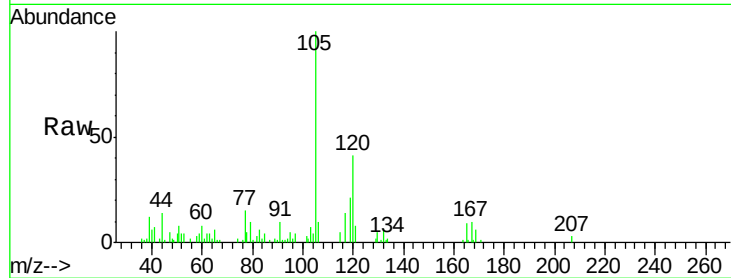
120 40.5 21.9 65.5

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#86

sec-Butylbenzene

Concen: 0.96 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN027325.D

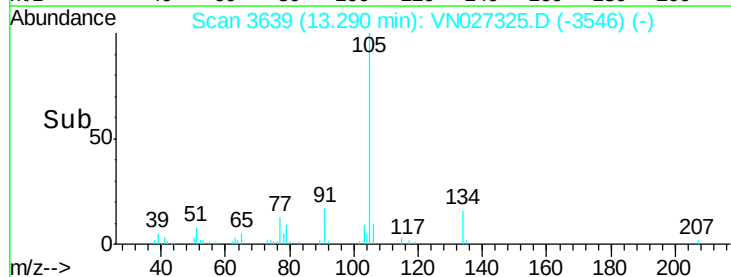
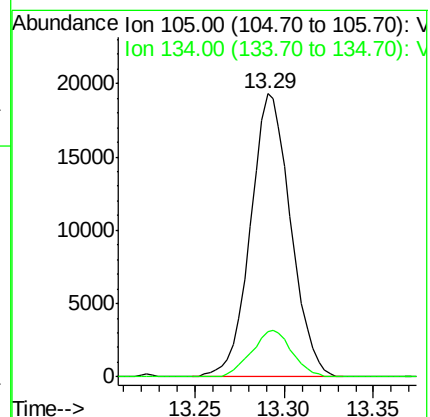
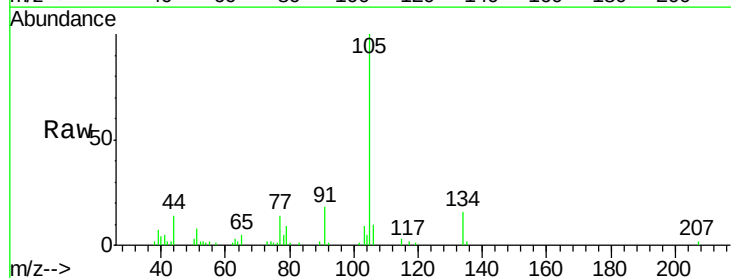
Acq: 21 Sep 2015 10:13

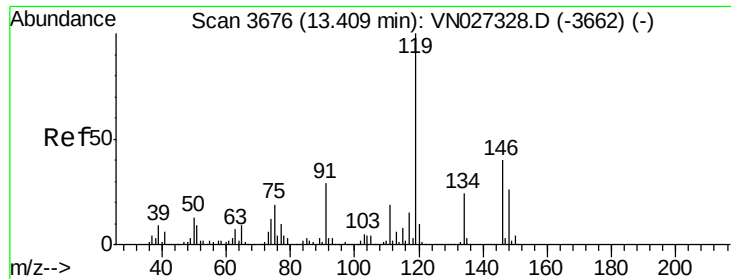
Tgt Ion:105 Resp: 30415

Ion Ratio Lower Upper

105 100

134 16.6 8.8 26.4





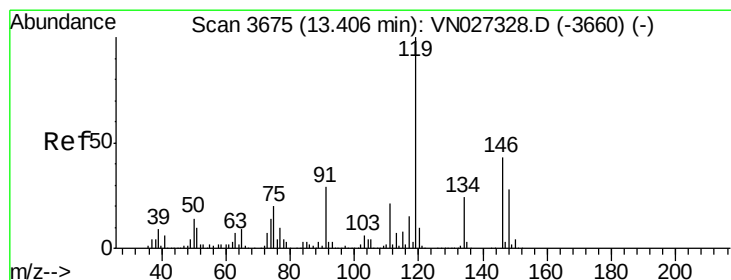
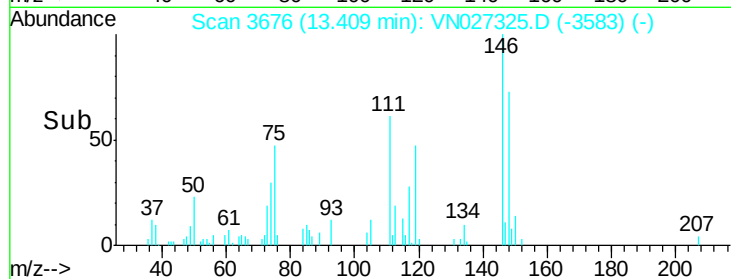
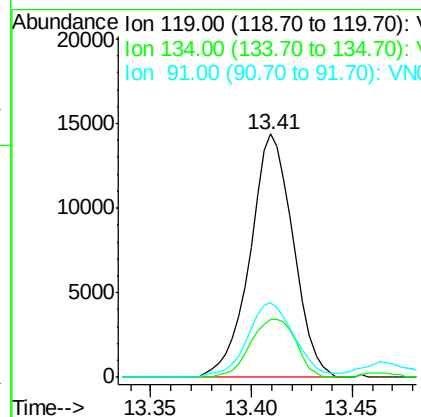
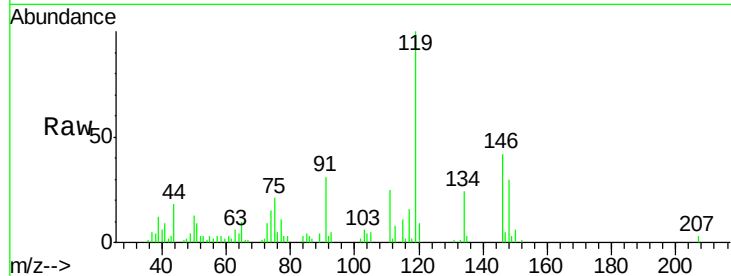
#87
 p-Isopropyltoluene
 Concen: 0.88 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.4	37.0
91	33.5	12.0	36.1

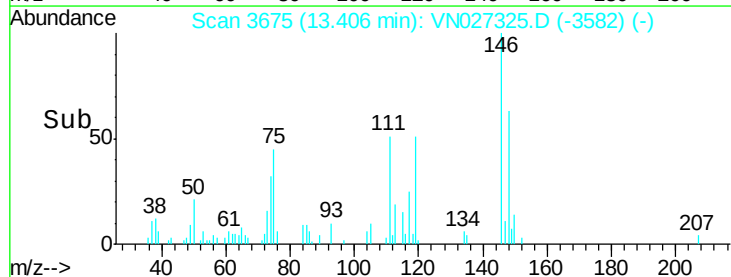
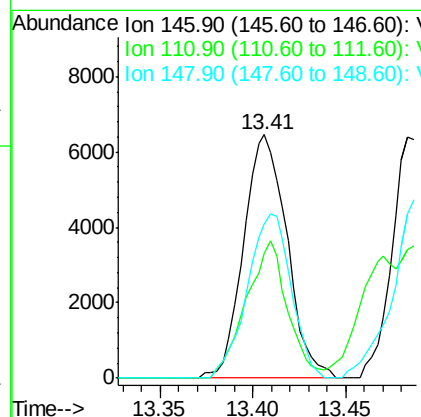
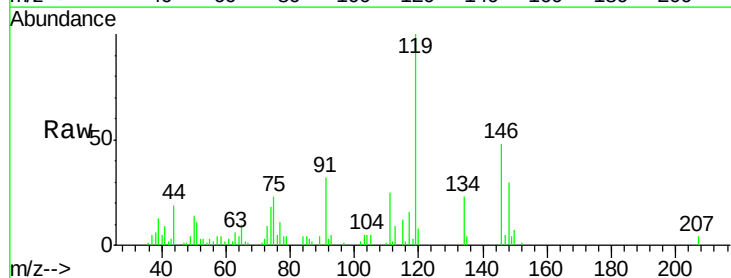
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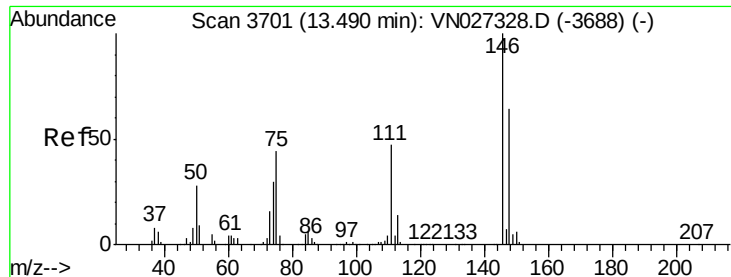
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#88
 1,3-Dichlorobenzene
 Concen: 0.96 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	54.0	21.0	63.0
148	68.1	31.9	95.9





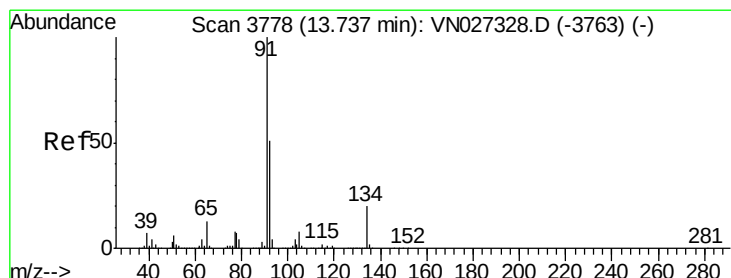
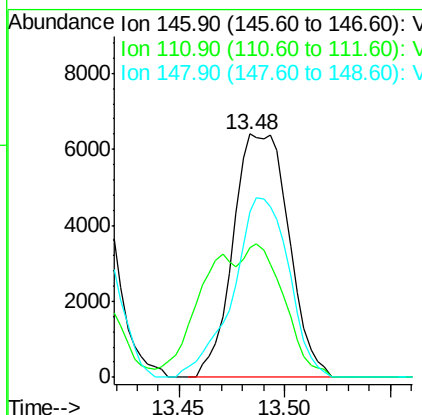
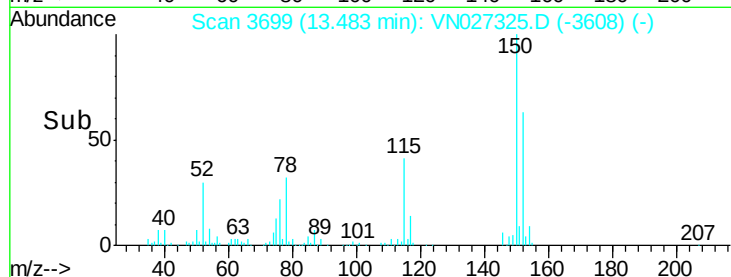
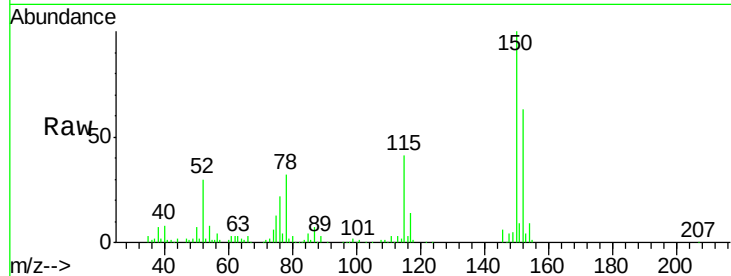
#89
 1,4-Dichlorobenzene
 Concen: 1.06 ug/l
 RT: 13.48 min Scan# 3699
 Delta R.T. -0.01 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	33.3	19.9	59.6
148	73.9	31.7	95.1

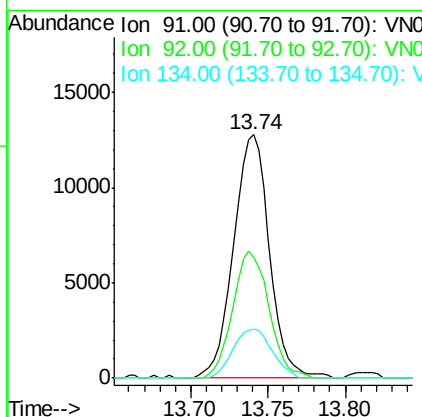
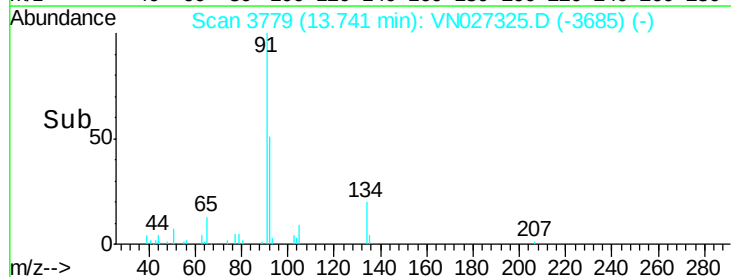
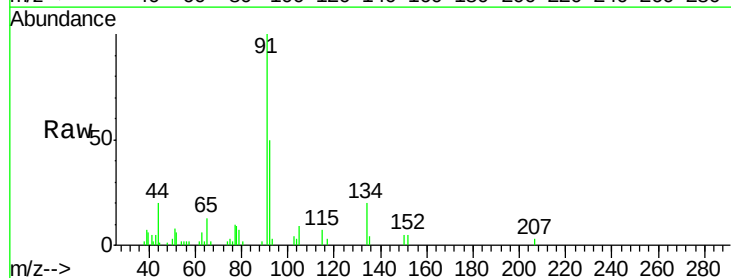
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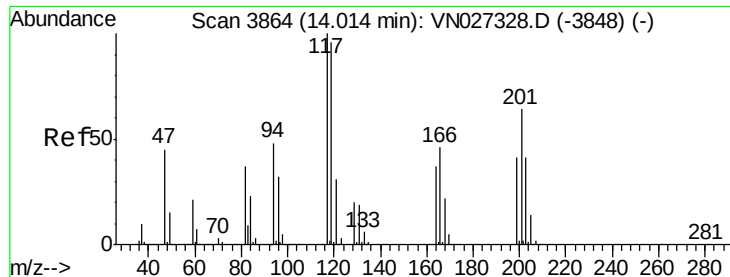
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#90
 n-Butylbenzene
 Concen: 0.87 ug/l
 RT: 13.74 min Scan# 3779
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.1	78.2
134	22.0	11.1	33.1





#91

Hexachloroethane

Concen: 0.96 ug/l

RT: 14.01 min Scan# 3863

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tot Ion:117 Resp: 5128

Ion Ratio Lower Upper

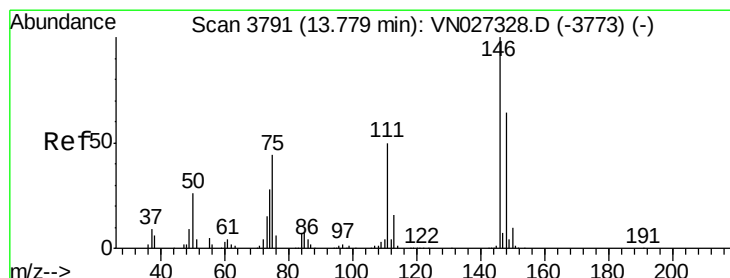
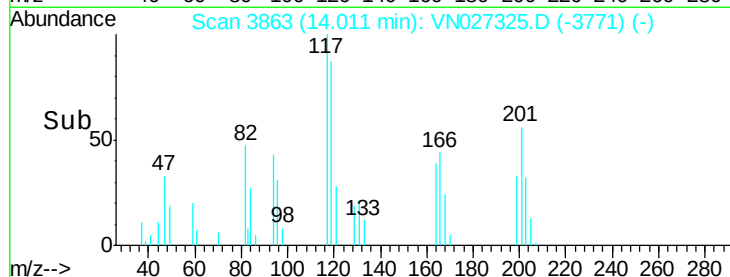
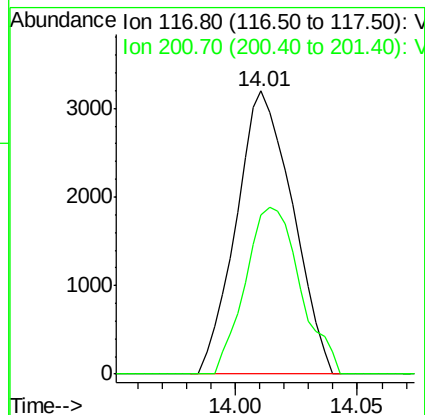
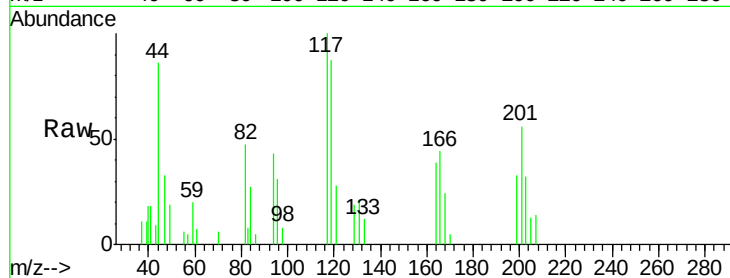
117 100

201 57.2 34.9 104.7

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#92

1,2-Dichlorobenzene

Concen: 1.00 ug/l

RT: 13.78 min Scan# 3792

Delta R.T. 0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

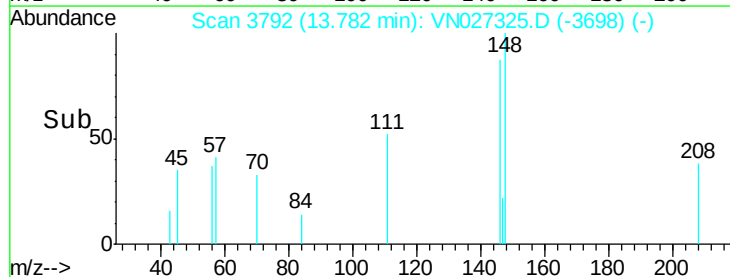
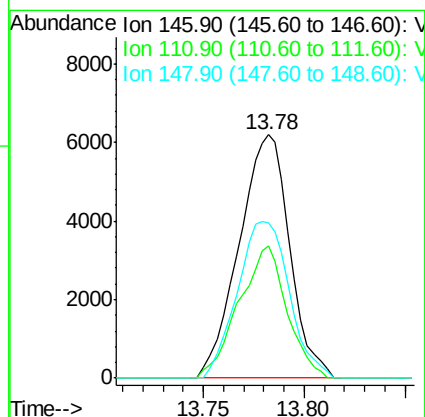
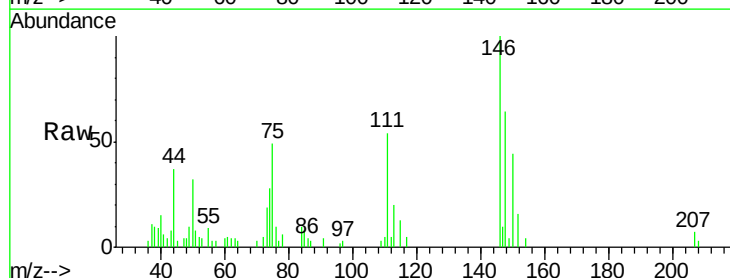
Tgt Ion:146 Resp: 10832

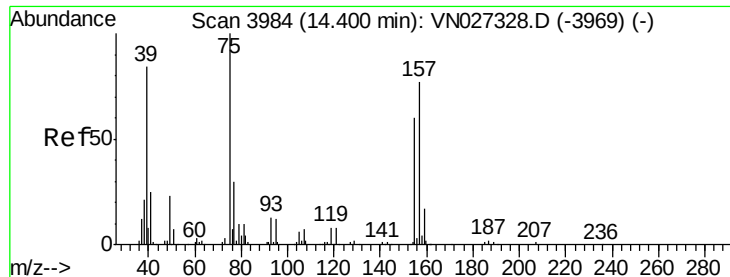
Ion Ratio Lower Upper

146 100

111 51.7 22.1 66.3

148 66.4 32.0 96.0





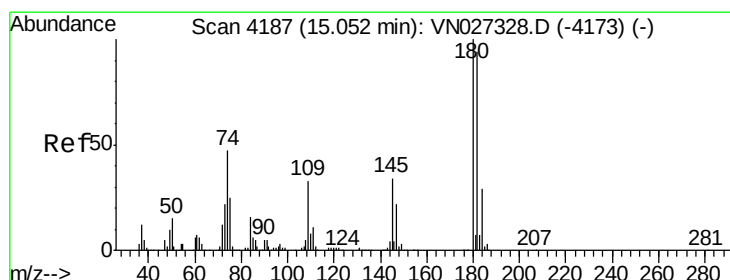
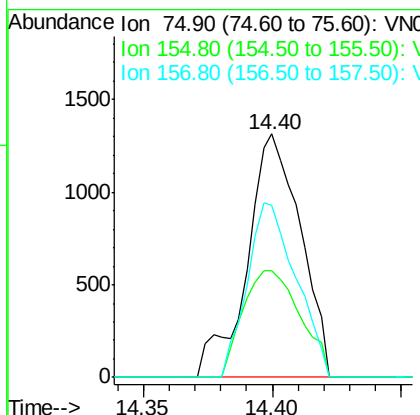
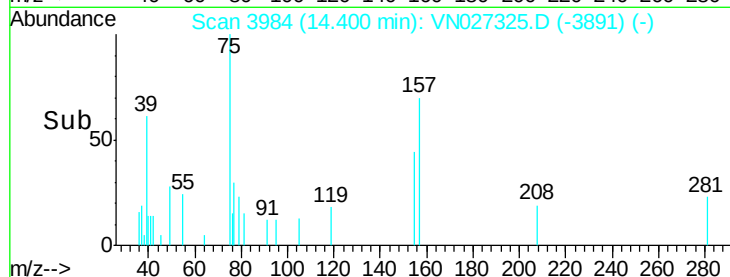
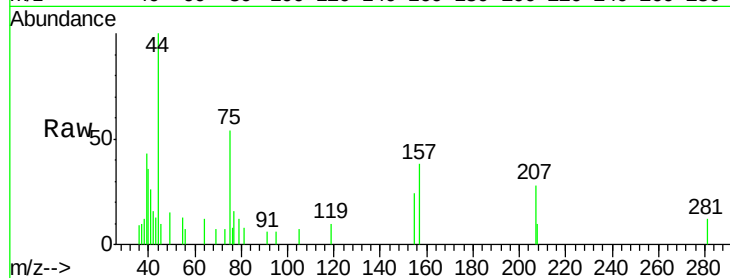
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 0.90 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
75	100		
155	46.9	35.6	106.9
157	65.4	44.6	133.8

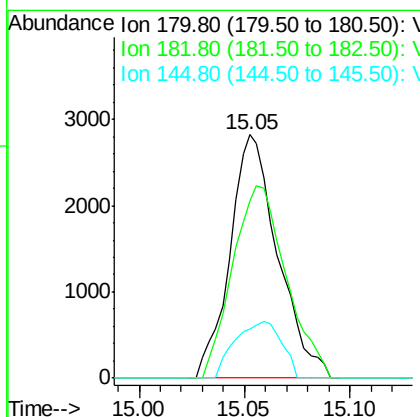
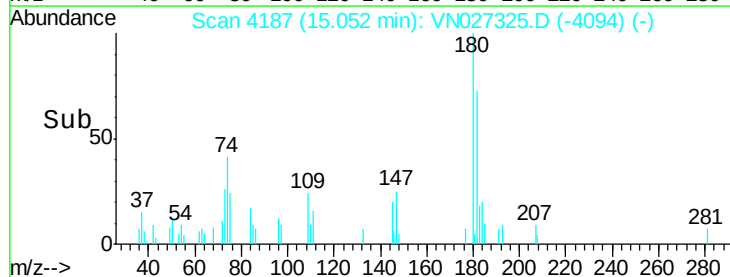
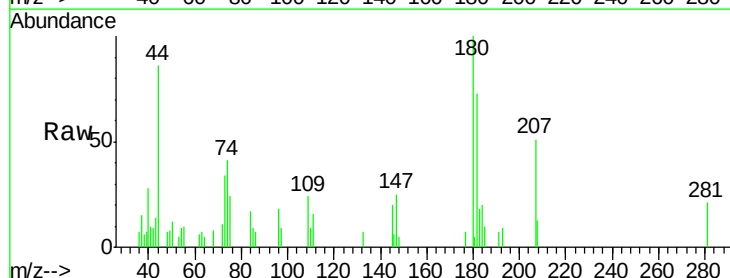
Manual Integrations
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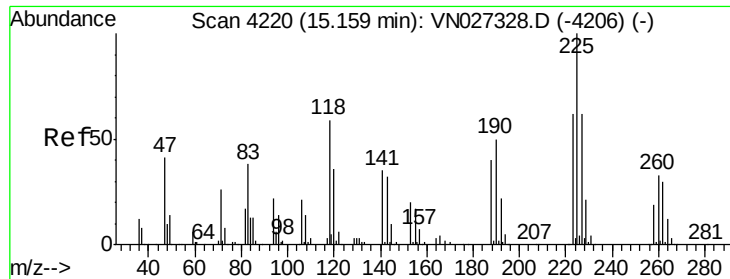
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#94
 1,2,4-Trichlorobenzene
 Concen: 0.76 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. -0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	88.4	47.5	142.5
145	22.7	15.1	45.3





#95

Hexachlorobutadiene

Concen: 1.01 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. -0.00 min

Lab File: VN027325.D

Acq: 21 Sep 2015 10:13

Instrument :

MSVOA_N

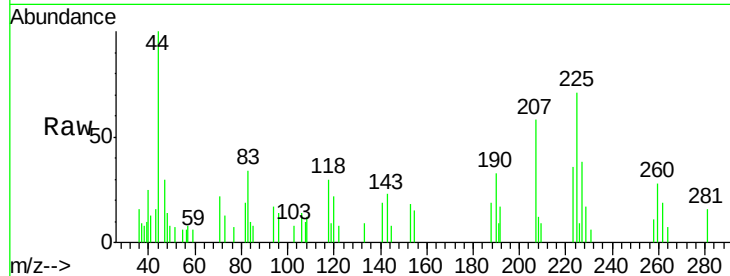
ClientSampleId :

VSTDIC001

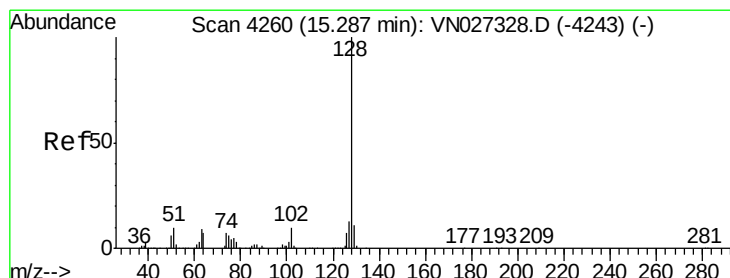
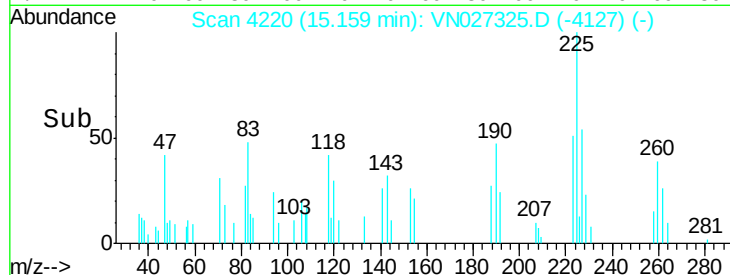
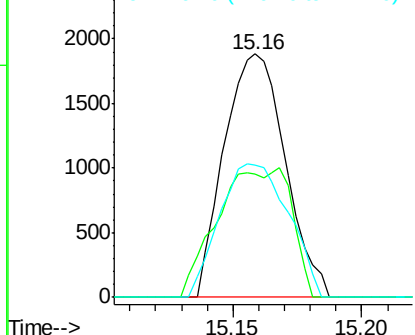
Tot Ion:	225	Resp:	3105
Ion Ratio	Lower	Upper	
225	100		
223	42.2	30.8	92.3
227	62.0	31.7	95.1

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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 0.60 ug/l

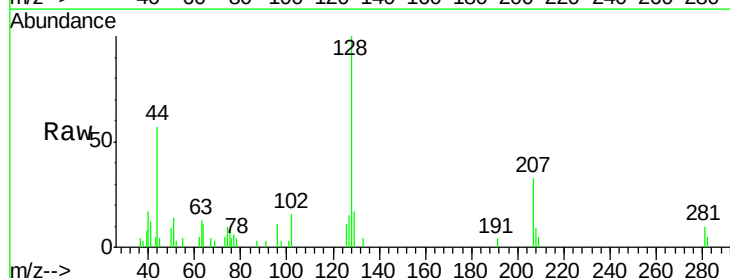
RT: 15.29 min Scan# 4260

Delta R.T. -0.00 min

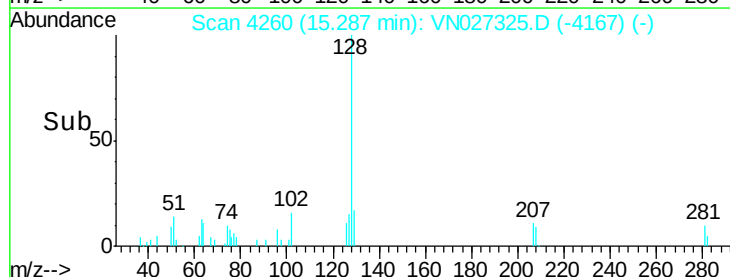
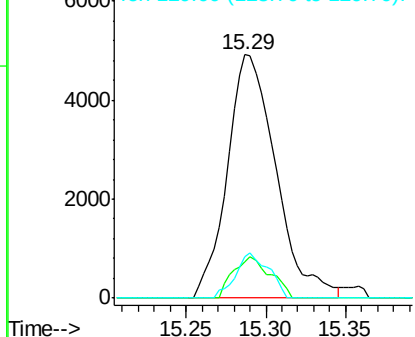
Lab File: VN027325.D

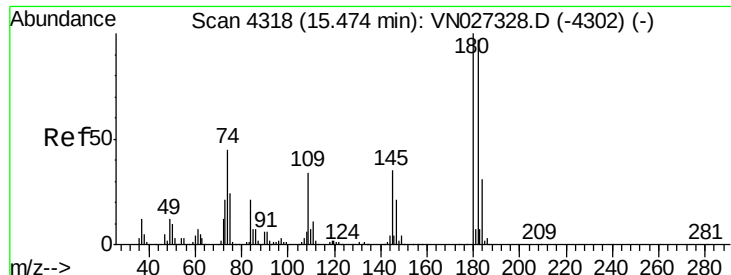
Acq: 21 Sep 2015 10:13

Tgt Ion:	128	Resp:	10199
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	12.5	8.6	12.8



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





#97
 1,2,3-Trichlorobenzene
 Concen: 0.80 ug/l
 RT: 15.47 min Scan# 4317
 Delta R.T. -0.00 min
 Lab File: VN027325.D
 Acq: 21 Sep 2015 10:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:	180	Resp:	4662
Ion Ratio	Lower	Upper	
180	100		
182	93.5	48.8	146.4
145	32.4	16.6	49.8

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:27:40 PM

