

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027172.D
 Acq On : 15 Sep 2015 17:19
 Operator : MD\FY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:46:53 AM

Quant Time: Sep 15 17:52:01 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	572831	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1072215	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	927486	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	368333	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	1155306	153.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	307.82%	
36) Dibromofluoromethane	7.68	113	716790	109.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	218.08%	
51) Toluene-d8	10.19	98	2836324	108.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	216.10%	
63) 4-Bromofluorobenzene	12.52	95	1042461	121.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	242.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	662706	144.92	ug/l	100
3) Chlorodifluoromethane	1.81	51	767736	121.86	ug/l	95
4) Chloromethane	2.01	50	740871	105.92	ug/l	100
5) Vinyl Chloride	2.14	62	776162	112.85	ug/l	100
6) Bromomethane	2.53	94	391487	102.73	ug/l	97
7) Chloroethane	2.68	64	513078	135.44	ug/l	98
8) Trichlorofluoromethane	3.02	101	1151995	139.65	ug/l	98
9) Diethyl Ether	3.42	74	537469	145.22	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	726086	128.35	ug/l	97
11) Methyl Iodide	3.99	142	785227	120.20	ug/l	92
12) Tert butyl alcohol	4.80	59	552387	1031.06	ug/l	98
13) 1,1-Dichloroethene	3.76	96	693332	127.67	ug/l	94
14) Acrolein	3.61	56	679351	729.53	ug/l	97
15) Allyl chloride	4.37	41	1443101	156.18	ug/l #	84
16) Acrylonitrile	5.02	53	1953096	759.72	ug/l	99
17) Acetone	3.82	43	1643954	740.03	ug/l	95
18) Carbon Disulfide	4.11	76	2236519	131.41	ug/l	99
19) Methyl Acetate	4.36	43	2367025	161.66	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	2825624	153.51	ug/l	97
21) Methylene Chloride	4.60	84	831192	125.62	ug/l	97
22) trans-1,2-Dichloroethene	5.12	96	758070	124.39	ug/l	94
23) Diisopropyl ether	6.03	45	2998071	150.12	ug/l	91
24) Vinyl Acetate	5.97	43	5385978	898.23	ug/l	99
25) 1,1-Dichloroethane	5.93	63	1709475	150.93	ug/l	100
26) 2-Butanone	6.91	43	2433480	798.51	ug/l	98
27) 2,2-Dichloropropane	6.92	77	1510408	168.93	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	891482	125.35	ug/l	95
29) Bromochloromethane	7.29	49	641636	117.73	ug/l	97
30) Tetrahydrofuran	7.31	42	1553929	775.17	ug/l	92
31) Chloroform	7.46	83	1589426	139.10	ug/l	99
32) Cyclohexane	7.77	56	1573950	118.56	ug/l	96
33) 1,1,1-Trichloroethane	7.67	97	1411704	145.93	ug/l	97
37) 1,1-Dichloropropene	7.89	75	1227686	121.98	ug/l	97
38) Ethyl Acetate	7.01	43	1071452	150.00	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	1133369	119.17	ug/l	99
40) Methylcyclohexane	9.19	83	1474358	121.06	ug/l	99
41) Benzene	8.14	78	3503466	112.79	ug/l	100
42) Methacrylonitrile	7.24	41	634065	137.19	ug/l	93
43) 1,2-Dichloroethane	8.22	62	1426892	133.62	ug/l	95
44) Isopropyl Acetate	8.25	43	1995631	154.29	ug/l	99
45) Trichloroethene	8.93	130	712547	94.14	ug/l	89
46) 1,2-Dichloropropane	9.22	63	984519	121.90	ug/l	100
47) Dibromomethane	9.31	93	591148	122.79	ug/l	93
48) Bromodichloromethane	9.49	83	1272863	127.18	ug/l	99
49) Methyl methacrylate	9.29	41	1005764	152.99	ug/l #	91
50) 1,4-Dioxane	9.30	88	225172	2380.39	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	5091682	694.14	ug/l	99
53) Toluene	10.26	92	2072092	109.95	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	1459338	146.01	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	1543280	132.86	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	773549	107.54	ug/l	99
57) Ethyl methacrylate	10.52	69	1341468	137.96	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	1441432	120.99	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	3189399	842.91	ug/l	98
60) 2-Hexanone	10.84	43	3523308	721.23	ug/l	100
61) Dibromochloromethane	11.00	129	802988	108.35	ug/l	100
62) 1,2-Dibromoethane	11.11	107	771032	112.06	ug/l	100
65) Tetrachloroethene	10.74	164	554010	83.67	ug/l	94
66) Chlorobenzene	11.54	112	2088029	103.34	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	700389	100.37	ug/l	98
68) Ethyl Benzene	11.62	91	3968951	116.80	ug/l	99
69) m/p-Xylenes	11.73	106	2766708	218.96	ug/l	90
70) o-Xylene	12.06	106	1379552	110.94	ug/l	91
71) Styrene	12.07	104	2307365	115.43	ug/l	94
72) Bromoform	12.24	173	506474	104.81	ug/l #	100
74) Isopropylbenzene	12.36	105	3716504	116.94	ug/l	98
75) N-amyl acetate	12.17	43	1709215	175.72	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	1043815	121.01	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	979500m	134.38	ug/l	
78) Bromobenzene	12.64	156	718848	93.86	ug/l	90
79) n-propylbenzene	12.71	91	4527059	129.43	ug/l	98
80) 2-Chlorotoluene	12.79	91	2660479	122.85	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	3048589	126.27	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	417550	162.99	ug/l	91
83) 4-Chlorotoluene	12.89	91	2717311	129.71	ug/l	95
84) tert-Butylbenzene	13.11	119	2403142	111.17	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	3047230	125.17	ug/l	95
86) sec-Butylbenzene	13.29	105	3714912	124.48	ug/l	99
87) p-Isopropyltoluene	13.41	119	2862152	117.75	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	1296291	97.89	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	1287471	96.63	ug/l	95
90) n-Butylbenzene	13.74	91	2983613	141.58	ug/l	99
91) Hexachloroethane	14.01	117	598009	123.52	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	1268539	97.05	ug/l	96

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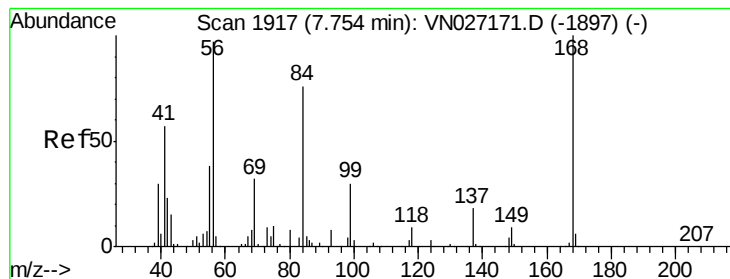
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	227854	177.39	ug/l	87
94) 1,2,4-Trichlorobenzene	15.05	180	753730	114.20	ug/l	99
95) Hexachlorobutadiene	15.16	225	364859	99.76	ug/l	99
96) Naphthalene	15.29	128	2300342	145.68	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	737294	112.52	ug/l	98

(#) = 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: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 572831

Ion Ratio Lower Upper

168 100

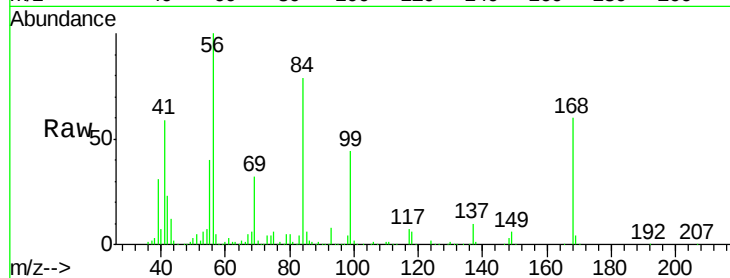
99 74.1 50.4 75.6

Manual Integrations

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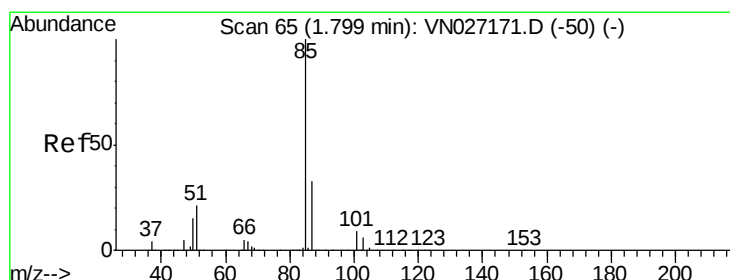
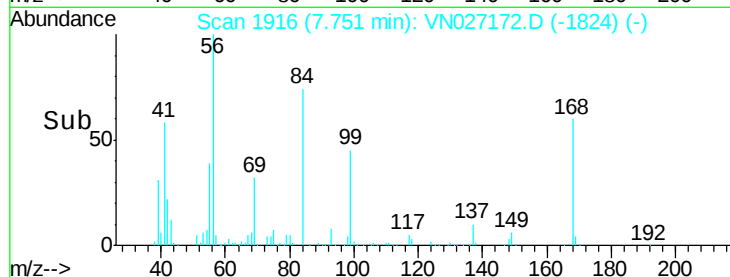
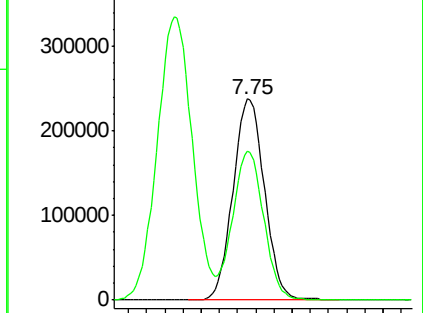
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 144.92 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027172.D

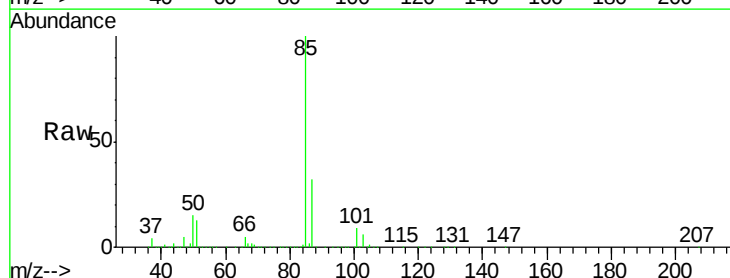
Acq: 15 Sep 2015 17:19

Tgt Ion: 85 Resp: 662706

Ion Ratio Lower Upper

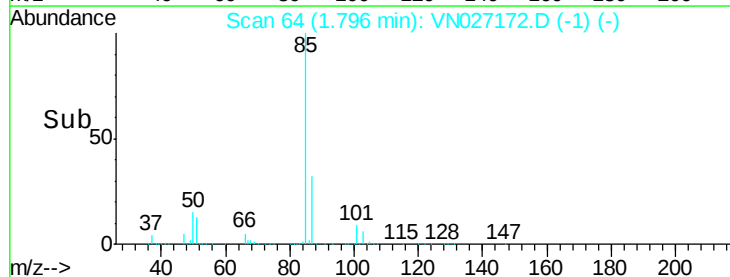
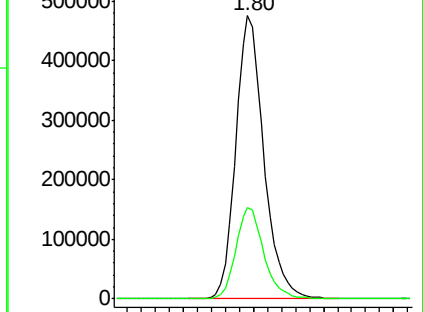
85 100

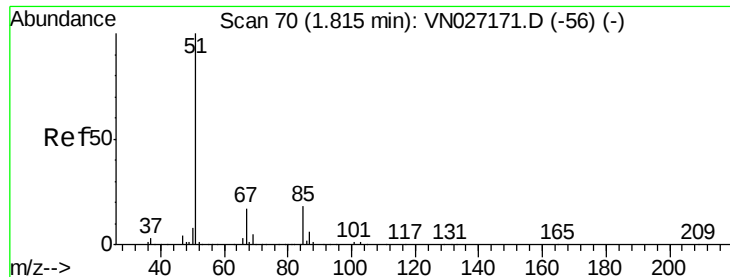
87 32.3 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 121.86 ug/l

RT: 1.81 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 51 Resp: 767736

Ion Ratio Lower Upper

51 100

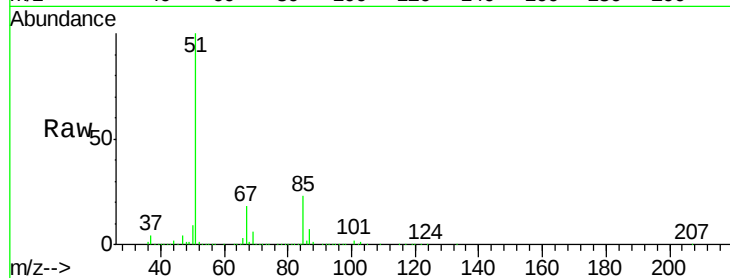
67 17.5 12.2 18.2

Manual Integrations

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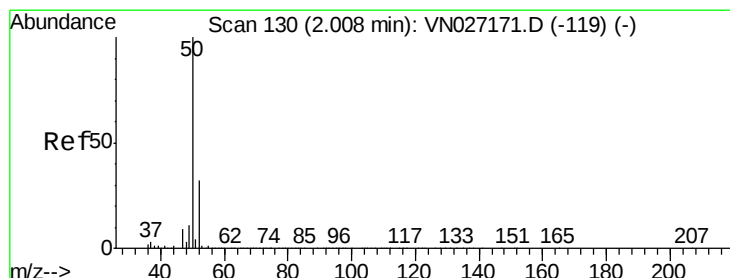
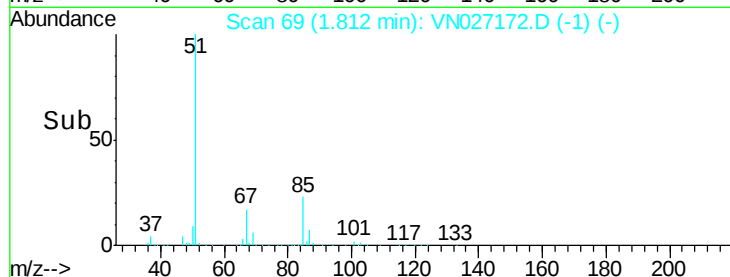
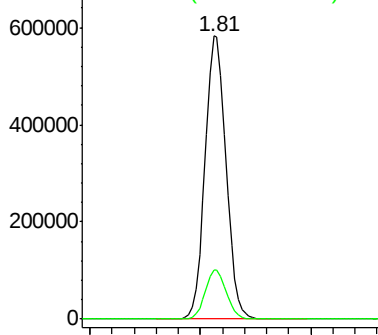
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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 105.92 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027172.D

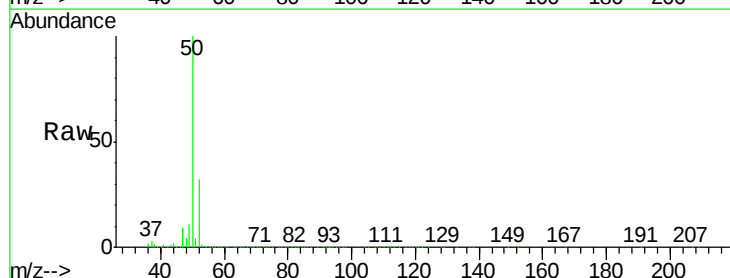
Acq: 15 Sep 2015 17:19

Tgt Ion: 50 Resp: 740871

Ion Ratio Lower Upper

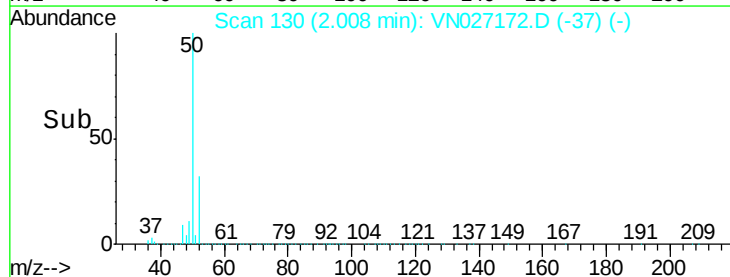
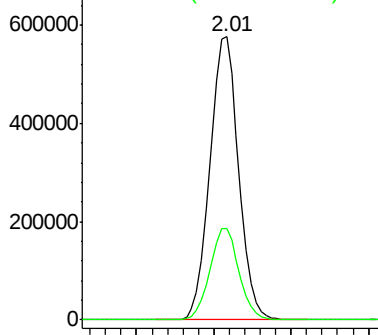
50 100

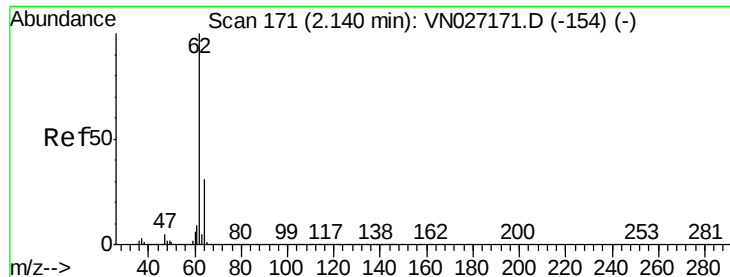
52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 112.85 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

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Acq: 15 Sep 2015 17:19

Instrument :

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VSTDIC100

Tot Ion: 62 Resp: 776162

Ion Ratio Lower Upper

62 100

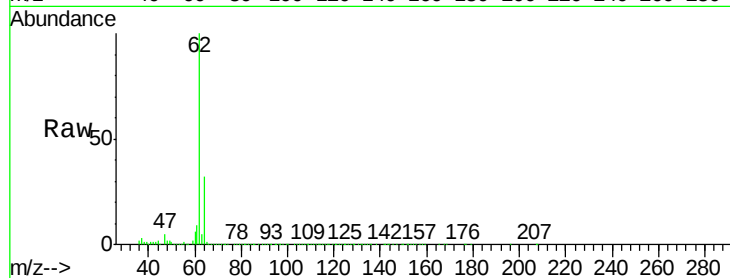
64 32.2 25.9 38.9

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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.14

600000

500000

400000

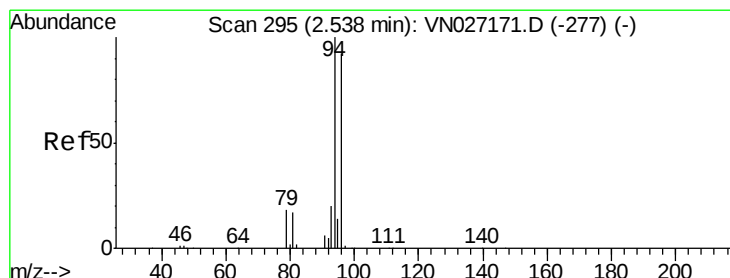
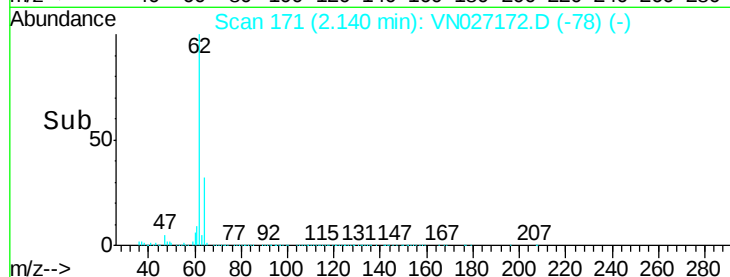
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 102.73 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.01 min

Lab File: VN027172.D

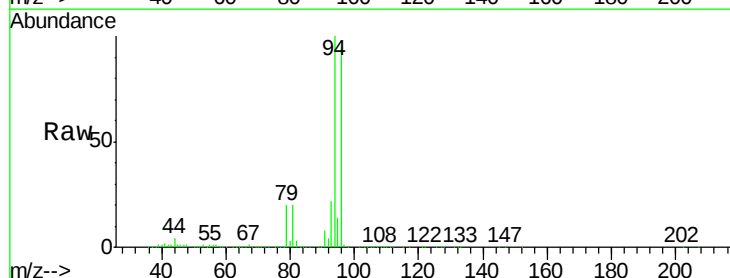
Acq: 15 Sep 2015 17:19

Tgt Ion: 94 Resp: 391487

Ion Ratio Lower Upper

94 100

96 94.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.53

200000

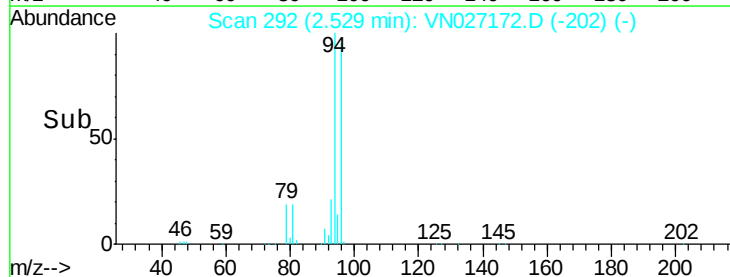
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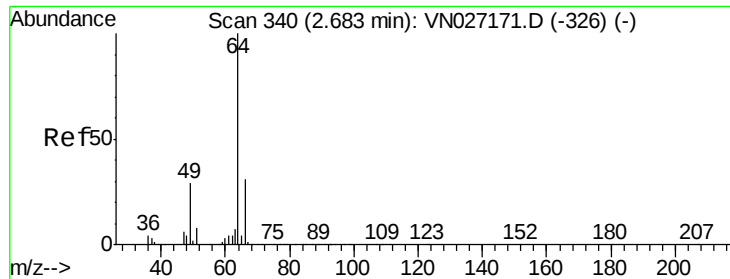
100000

50000

0

Time-->





#7

Chloroethane

Concen: 135.44 ug/l

RT: 2.68 min Scan# 339

Delta R.T. -0.00 min

Lab File: VN027172.D

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VSTDIC100

Tot Ion: 64 Resp: 513078

Ion Ratio Lower Upper

64 100

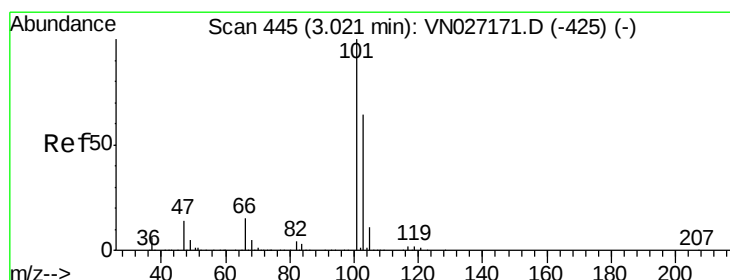
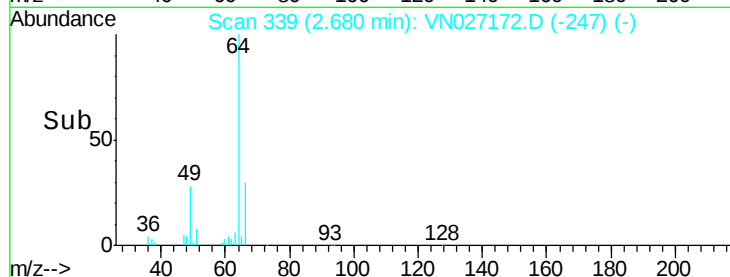
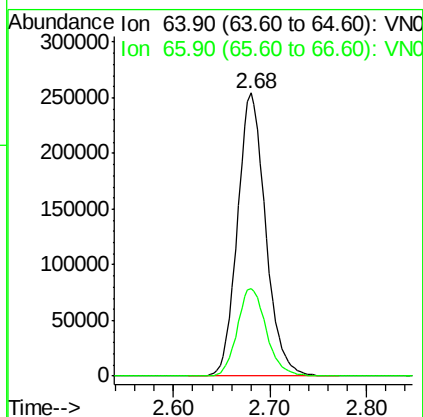
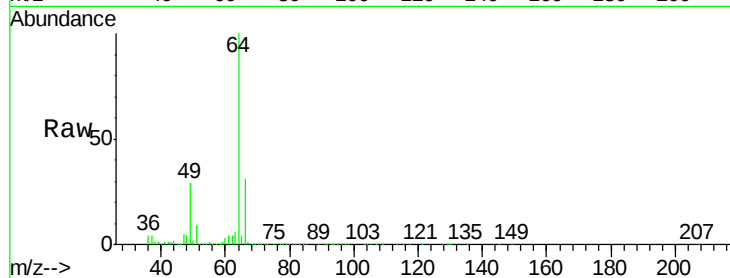
66 30.7 25.5 38.3

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 139.65 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027172.D

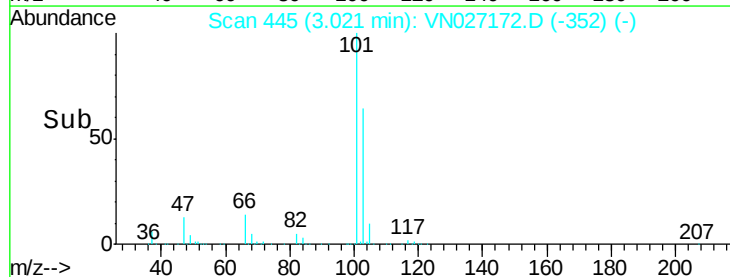
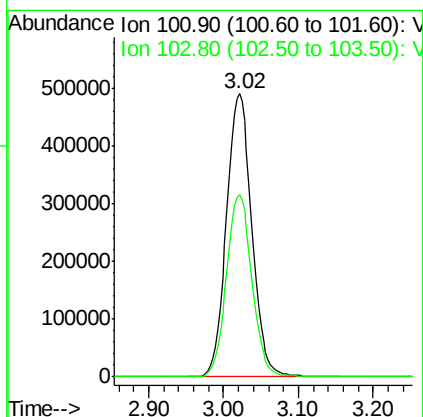
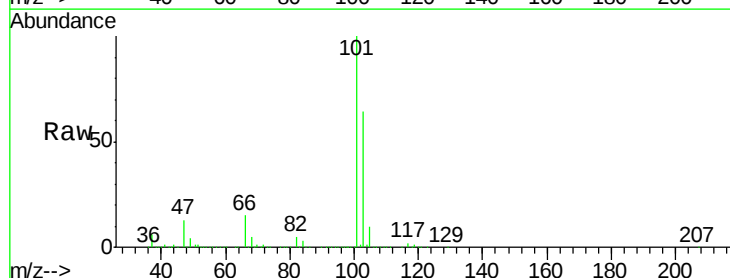
Acq: 15 Sep 2015 17:19

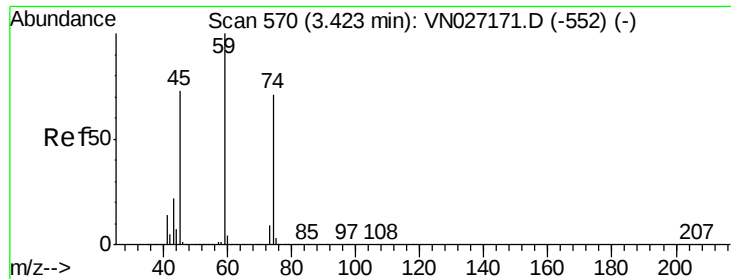
Tgt Ion: 101 Resp: 1151995

Ion Ratio Lower Upper

101 100

103 64.1 52.6 79.0





#9

Diethyl Ether

Concen: 145.22 ug/l

RT: 3.42 min Scan# 569

Delta R.T. -0.00 min

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Tot Ion: 74 Resp: 537469

Ion Ratio Lower Upper

74 100

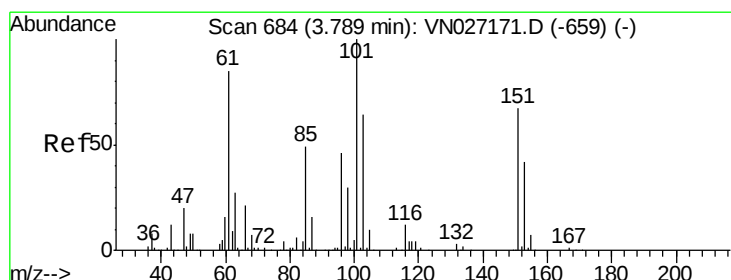
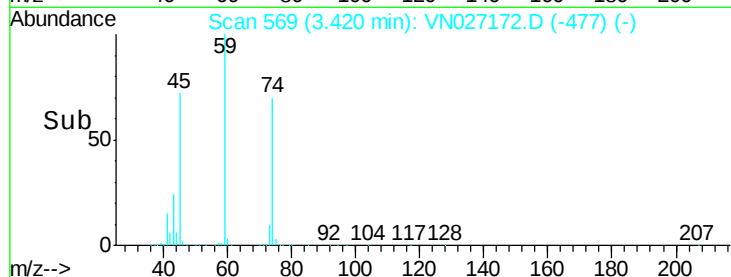
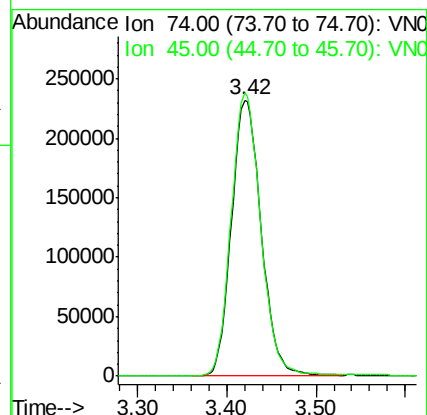
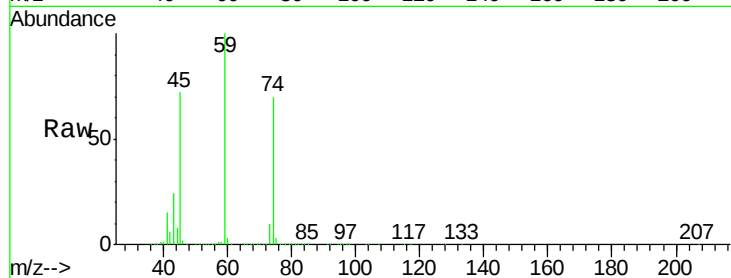
45 101.2 58.1 174.3

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 128.35 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

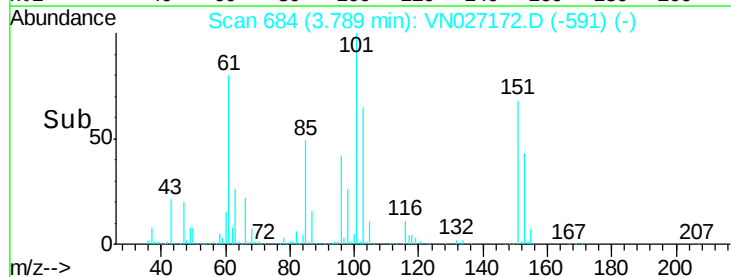
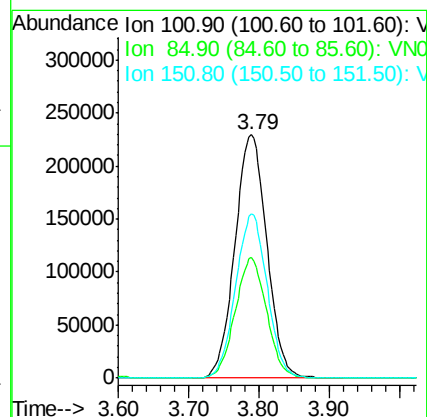
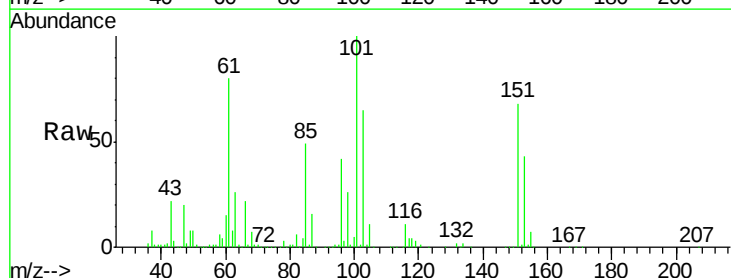
Tgt Ion:101 Resp: 726086

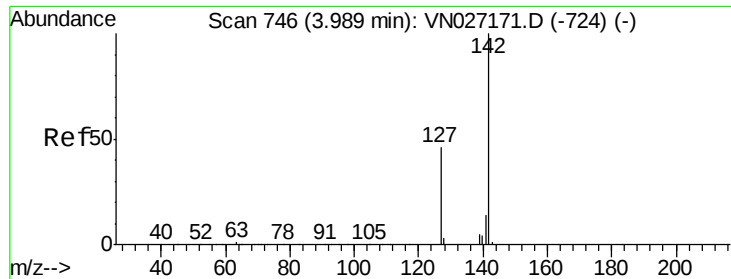
Ion Ratio Lower Upper

101 100

85 48.4 37.4 56.0

151 66.6 55.9 83.9





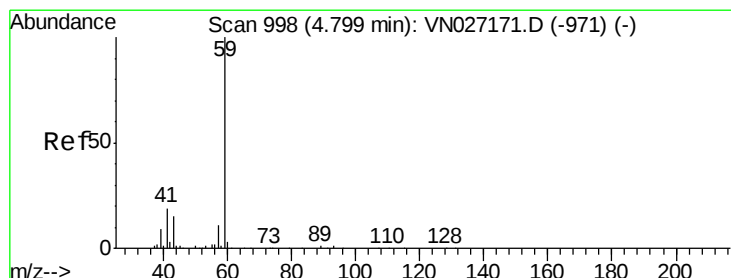
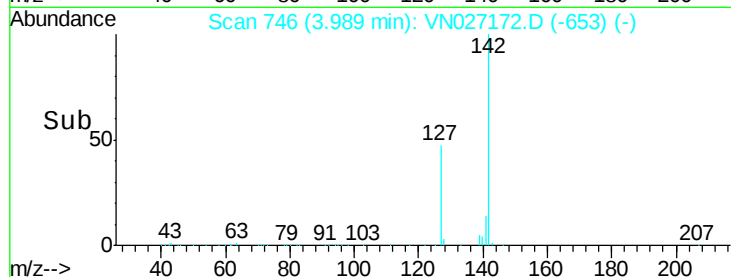
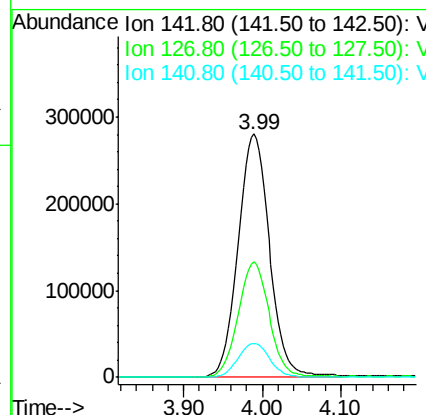
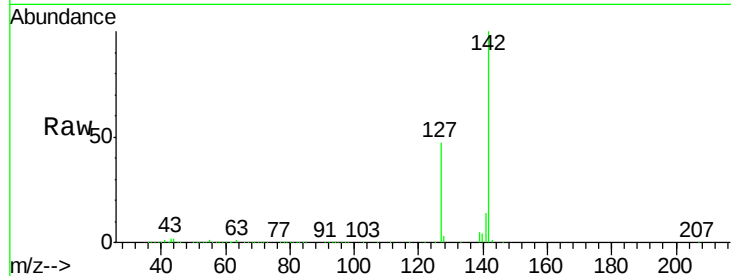
#11
Methvl Iodide
Concen: 120.20 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.0	32.3	48.5
141	14.1	11.2	16.8

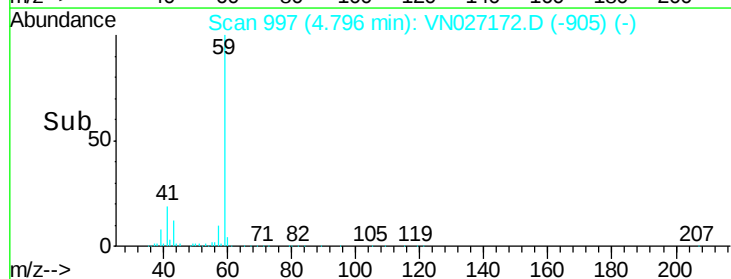
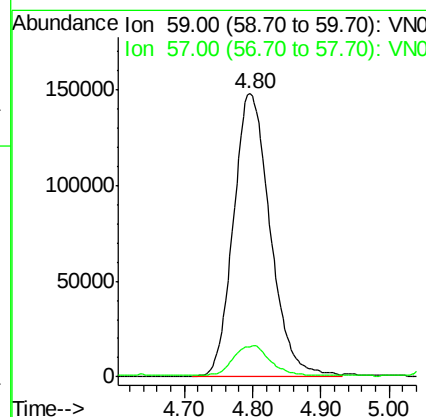
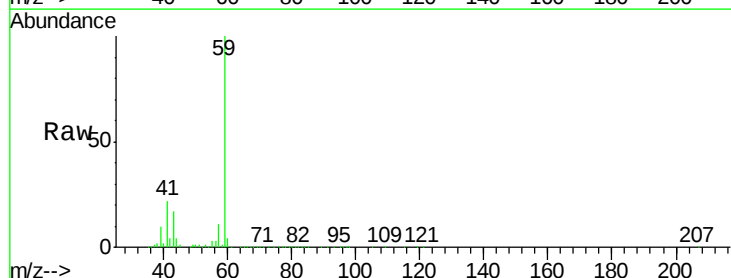
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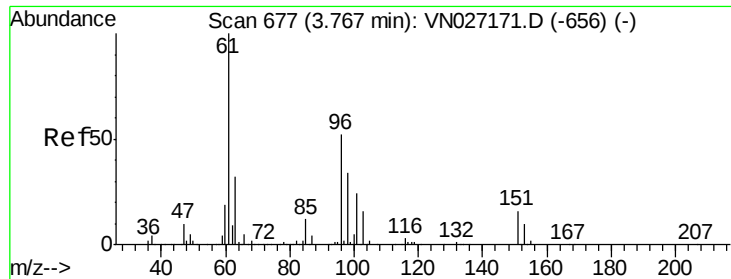
MMDadoda
9/16/2015 11:46:53 AM



#12
Tert butyl alcohol
Concen: 1031.06 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.6	11.4





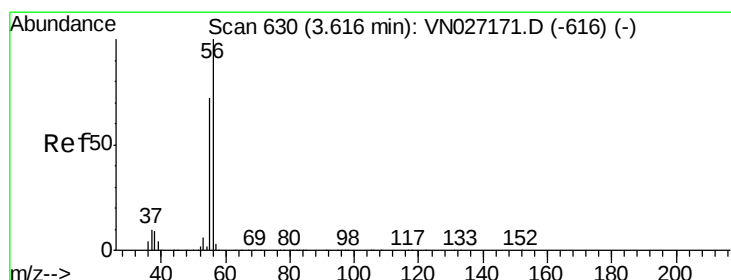
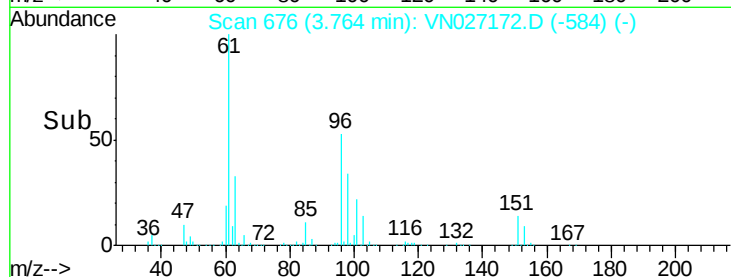
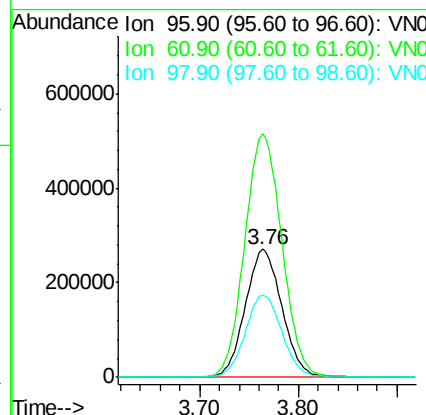
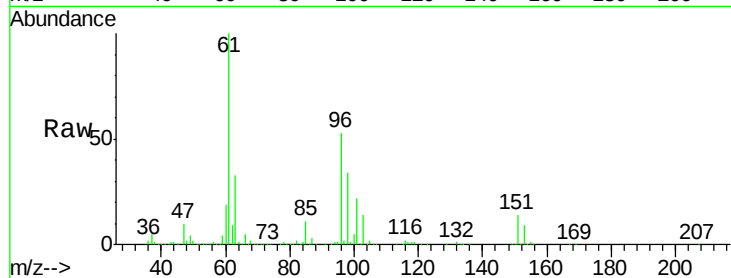
#13
 1,1-Dichloroethene
 Concen: 127.67 ug/l
 RT: 3.76 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	189.9	143.8	215.8
98	64.3	50.3	75.5

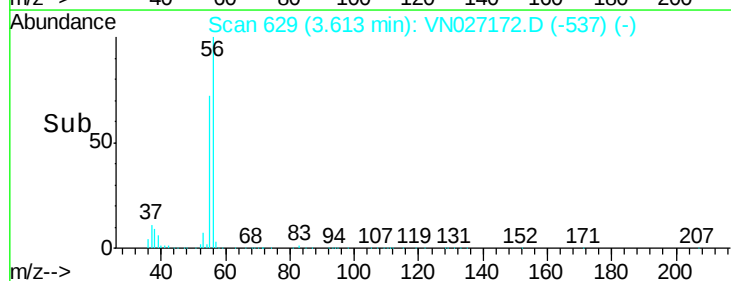
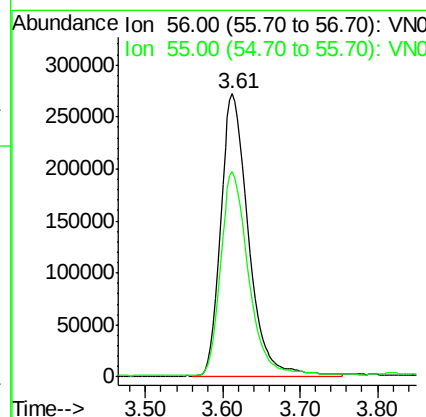
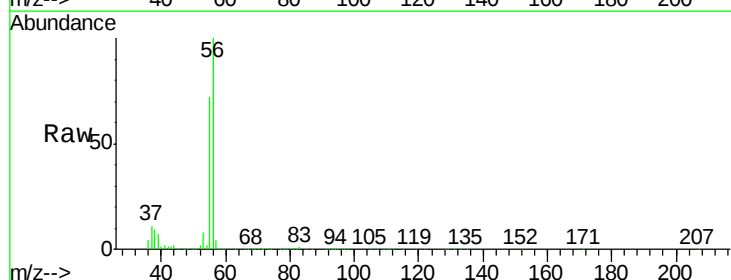
Manual Integrations
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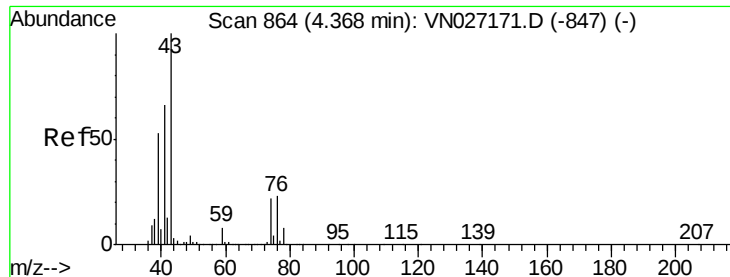
MMDadoda
 9/16/2015 11:46:53 AM



#14
 Acrolein
 Concen: 729.53 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.4	55.7	83.5





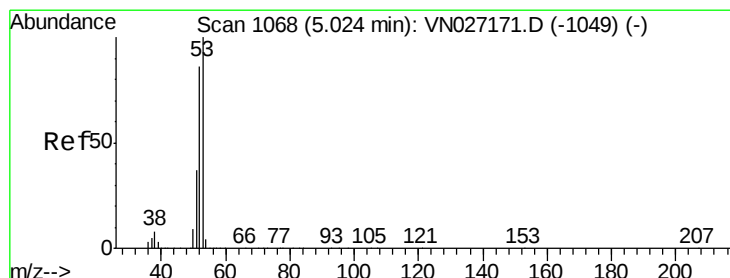
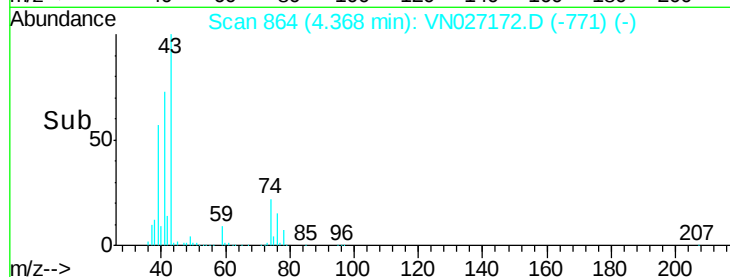
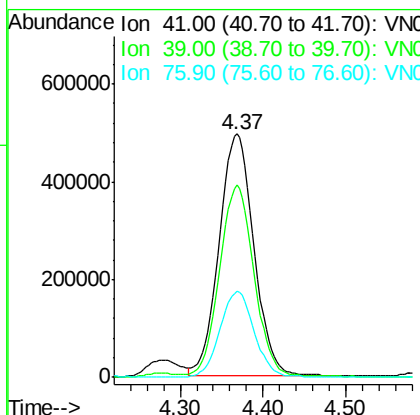
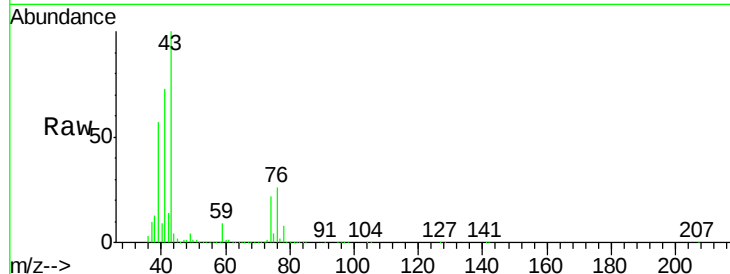
#15
Allvl chloride
Concen: 156.18 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	77.9	49.7	74.5#
76	34.5	24.8	37.2

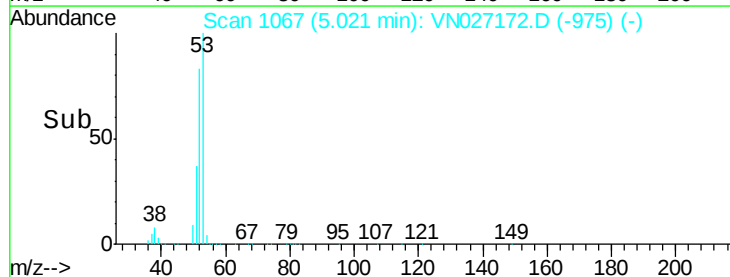
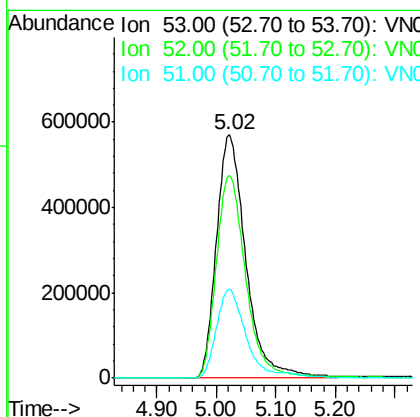
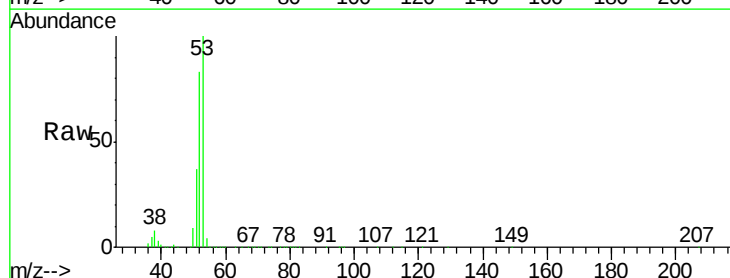
Manual Integrations
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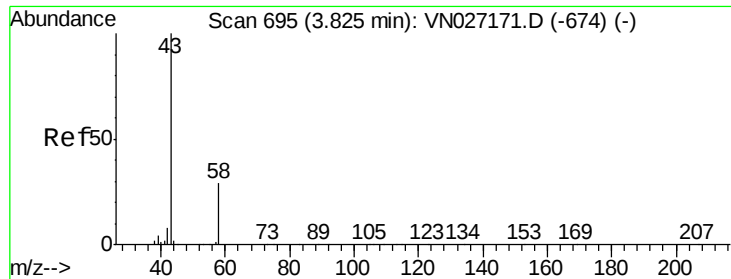
MMDadoda
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#16
Acrylonitrile
Concen: 759.72 ug/l
RT: 5.02 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.2	66.9	100.3
51	35.4	27.4	41.0





#17

Acetone

Concen: 740.03 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1643954

Ion Ratio Lower Upper

43 100

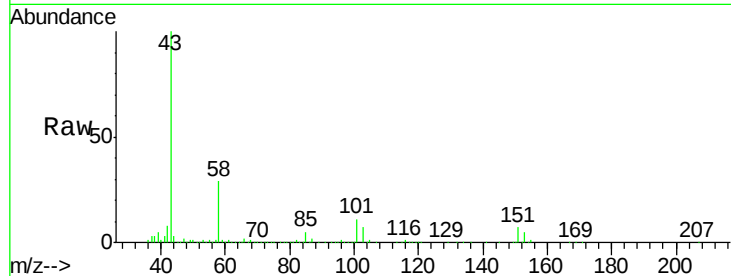
58 29.0 25.4 38.0

Manual Integrations

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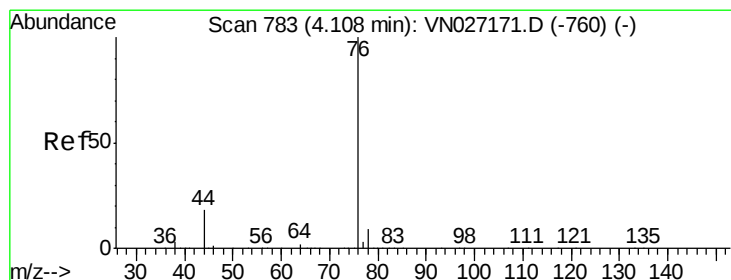
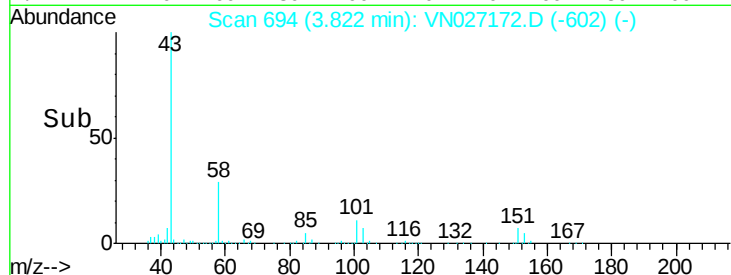
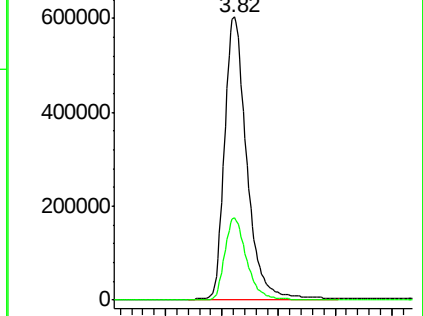
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 131.41 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027172.D

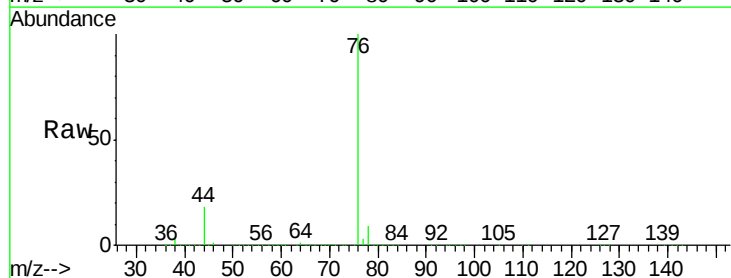
Acq: 15 Sep 2015 17:19

Tgt Ion: 76 Resp: 2236519

Ion Ratio Lower Upper

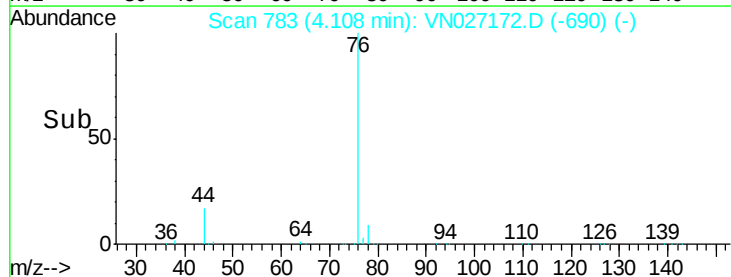
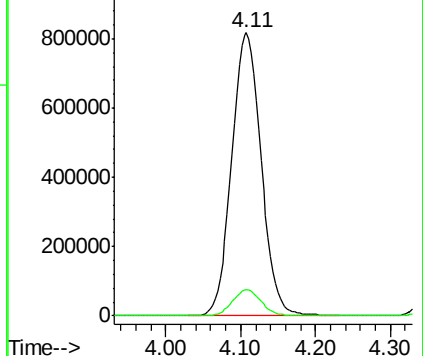
76 100

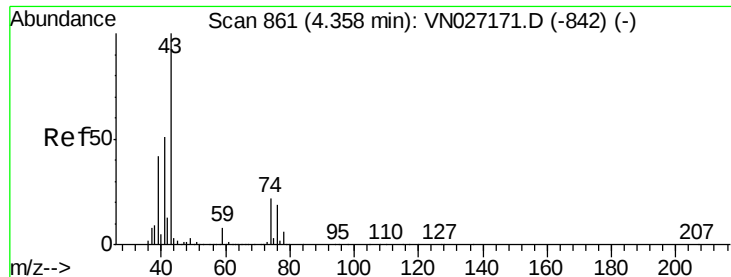
78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





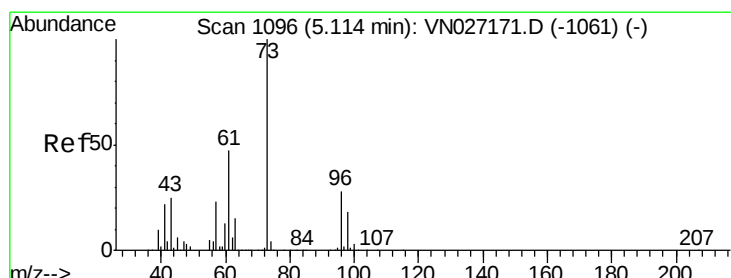
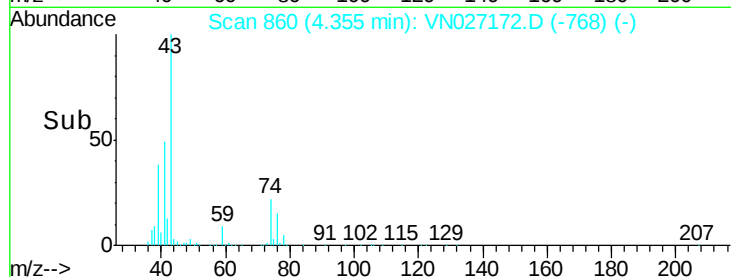
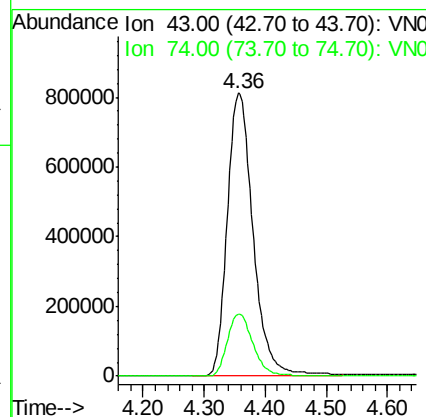
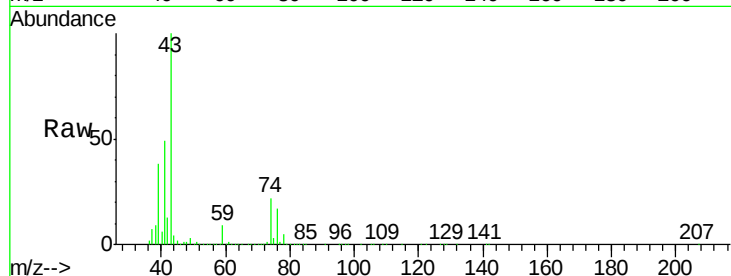
#19
Methvl Acetate
Concen: 161.66 ug/l
RT: 4.36 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 2367025
Ion Ratio Lower Upper
43 100
74 21.9 16.2 24.2

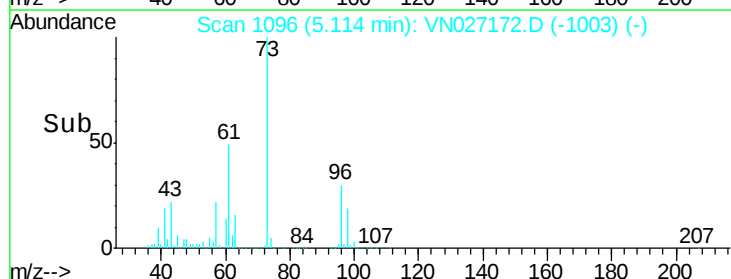
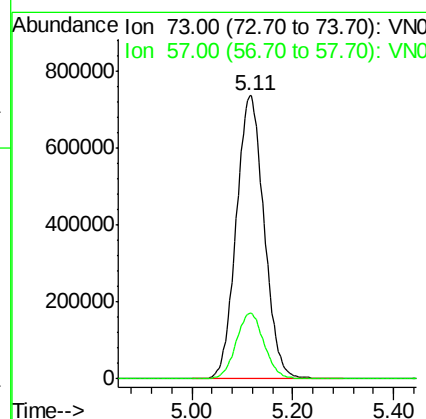
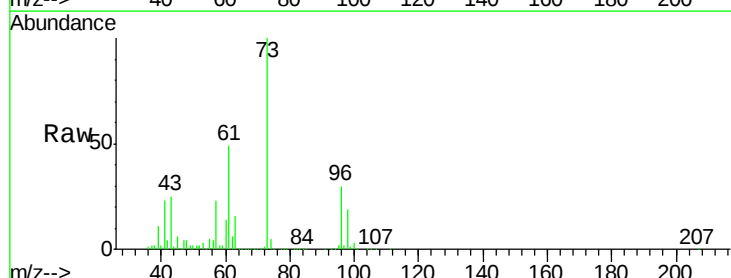
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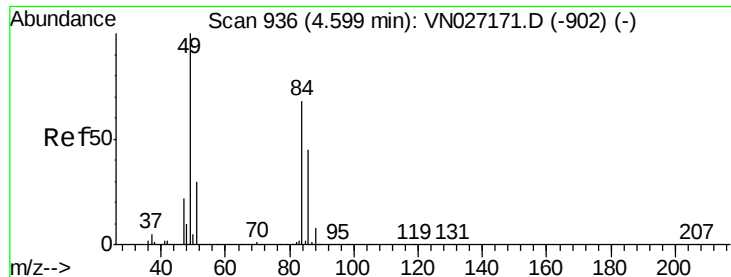
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 153.51 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion: 73 Resp: 2825624
Ion Ratio Lower Upper
73 100
57 23.3 19.8 29.6





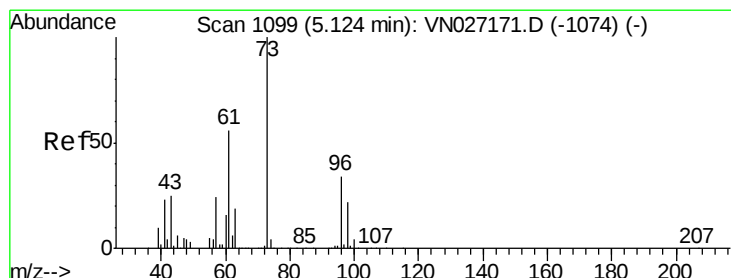
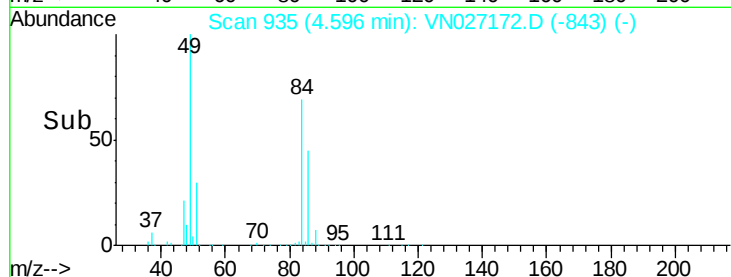
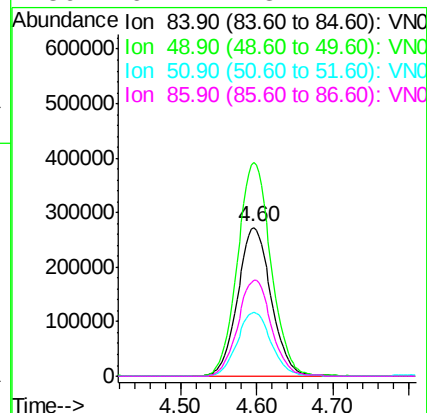
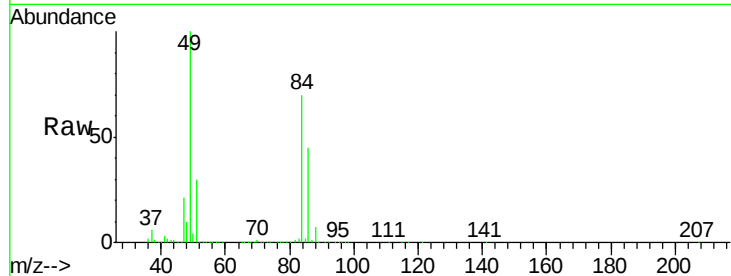
#21
Methvlene Chloride
Concen: 125.62 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	143.7	112.3	168.5	
51	42.6	33.8	50.8	
86	64.7	48.2	72.4	

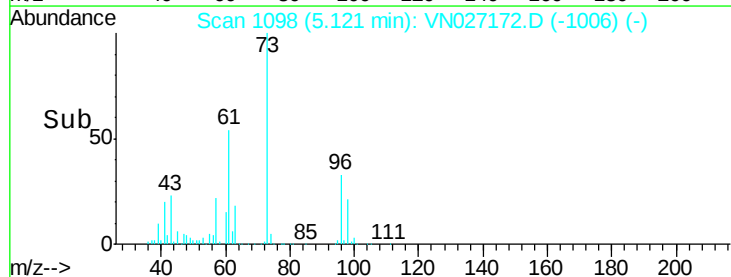
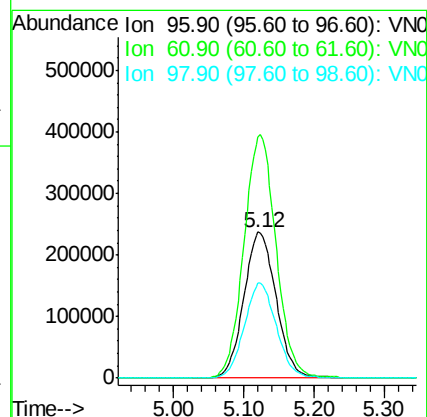
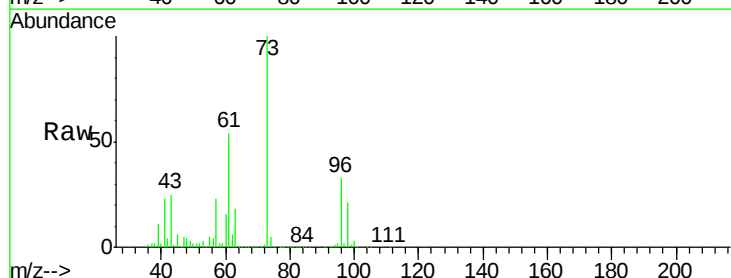
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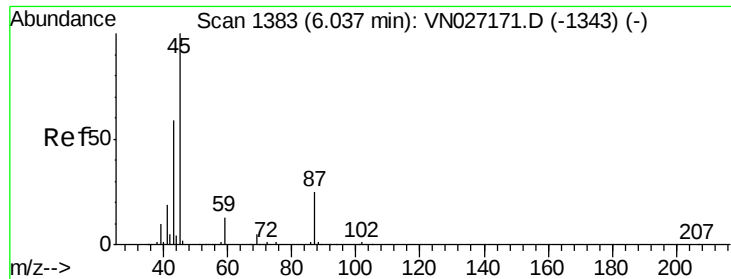
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#22
trans-1,2-Dichloroethene
Concen: 124.39 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
96	100			
61	165.7	126.6	189.8	
98	64.7	47.4	71.2	





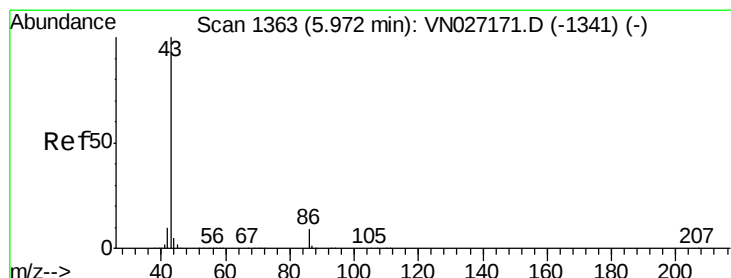
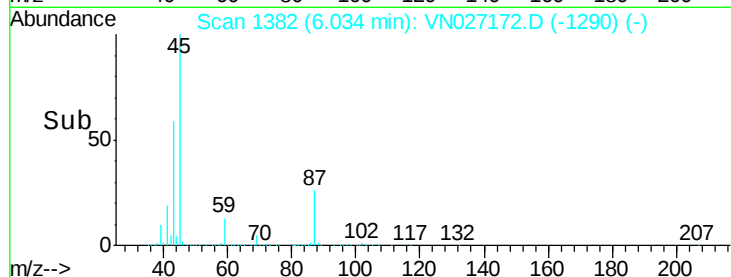
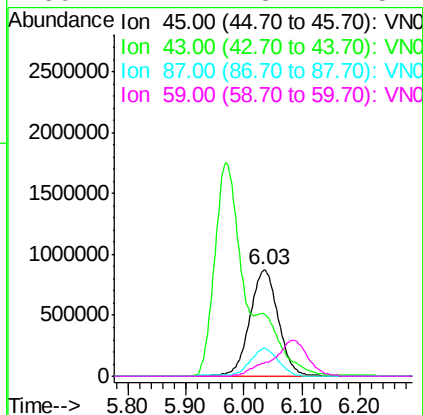
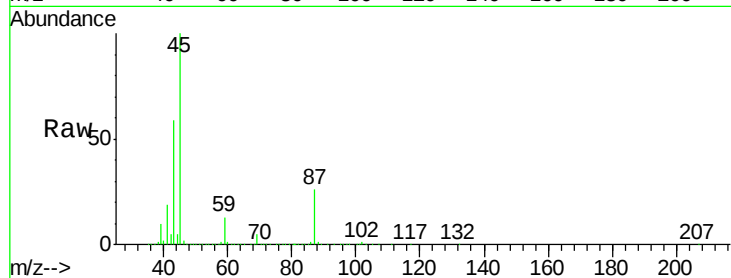
#23
Diisopropyl ether
Concen: 150.12 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	58.6	41.0	61.6	
87	25.8	17.5	26.3	
59	12.4	8.7	13.1	

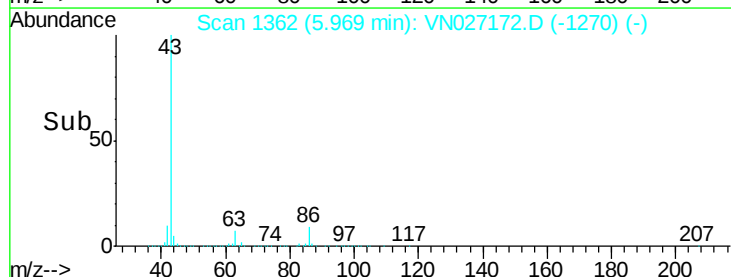
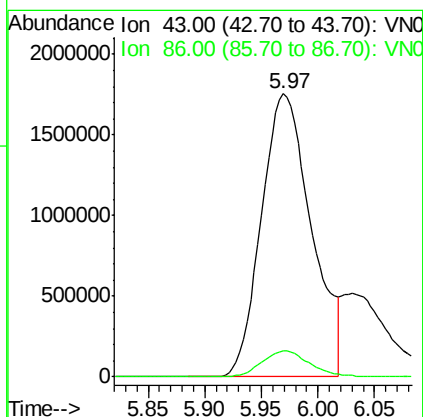
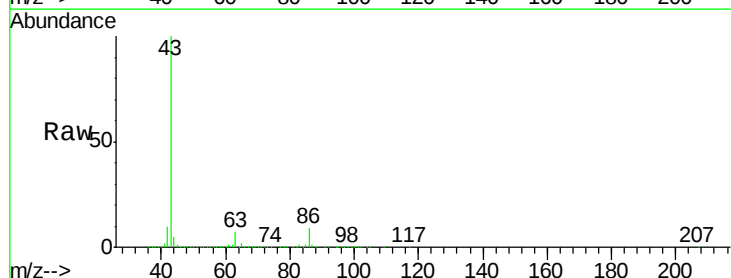
Manual Integrations
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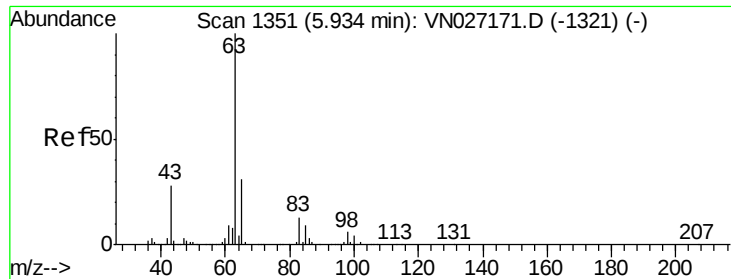
MMDadoda
9/16/2015 11:46:53 AM



#24
Vinyl Acetate
Concen: 898.23 ug/l
RT: 5.97 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.0	6.9	10.3	





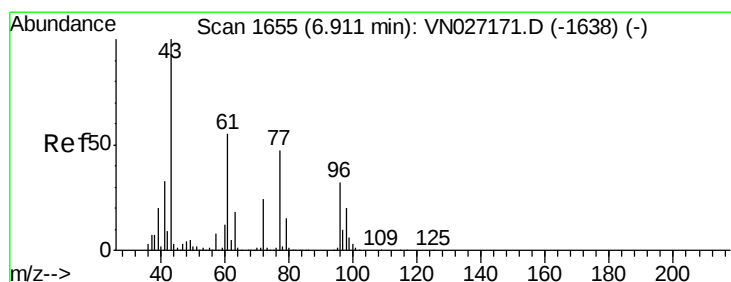
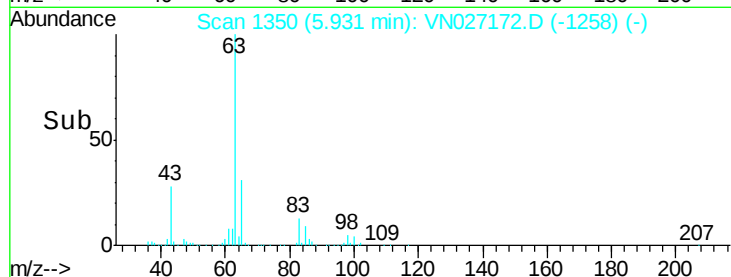
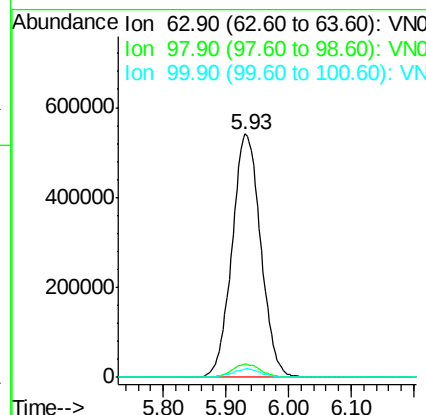
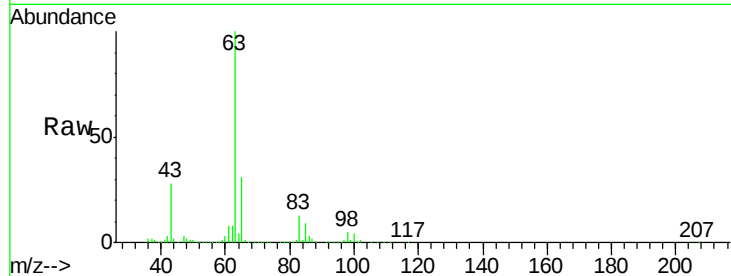
#25
 1,1-Dichloroethane
 Concen: 150.93 ug/l
 RT: 5.93 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.8	8.3
100	3.5	1.7	5.0

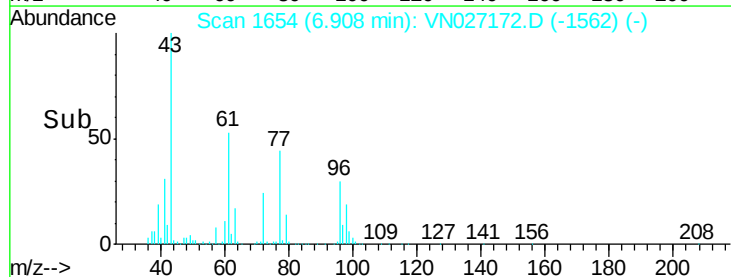
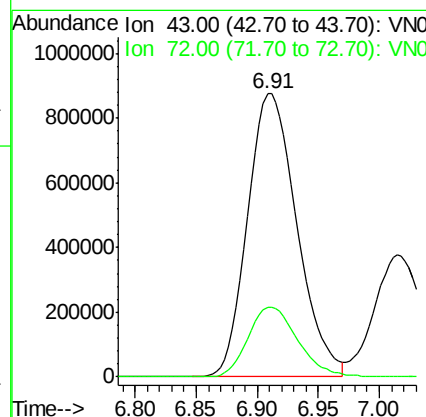
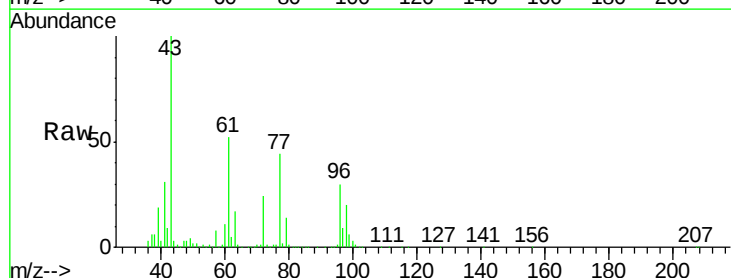
Manual Integrations
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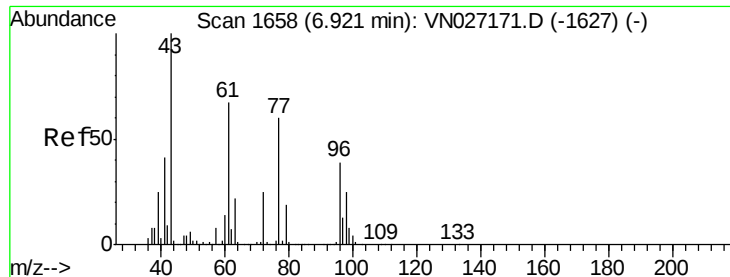
MMDadoda
 9/16/2015 11:46:53 AM



#26
 2-Butanone
 Concen: 798.51 ug/l
 RT: 6.91 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.8	28.2





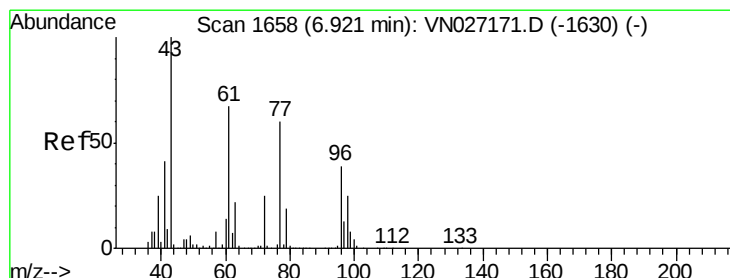
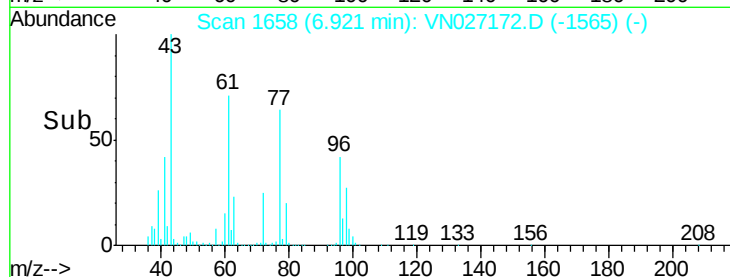
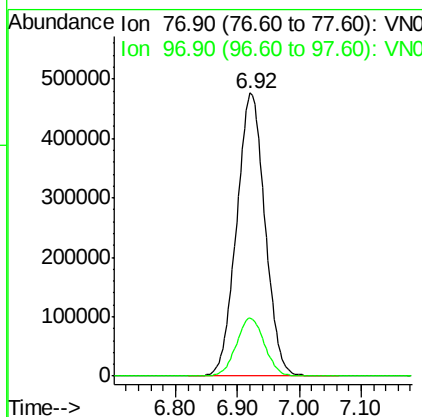
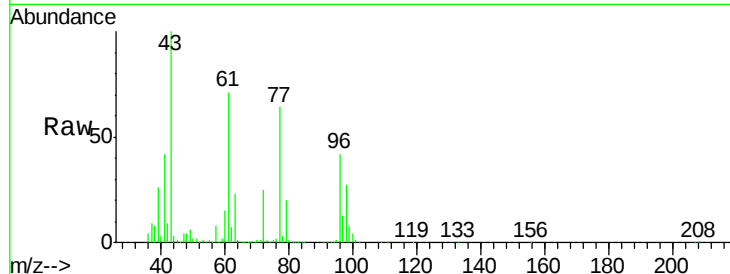
#27
 2,2-Dichloropropane
 Concen: 168.93 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 77 Resp: 1510408
 Ion Ratio Lower Upper
 77 100
 97 20.4 11.8 35.3

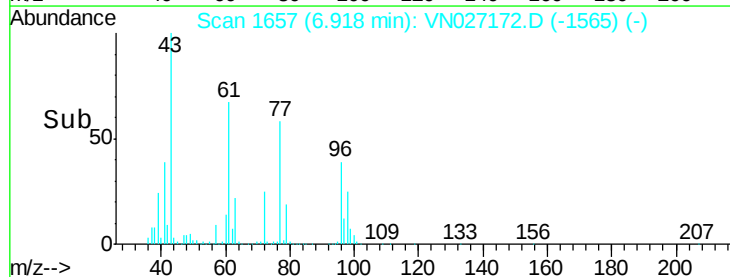
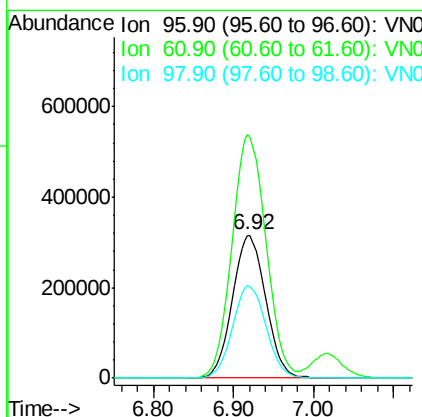
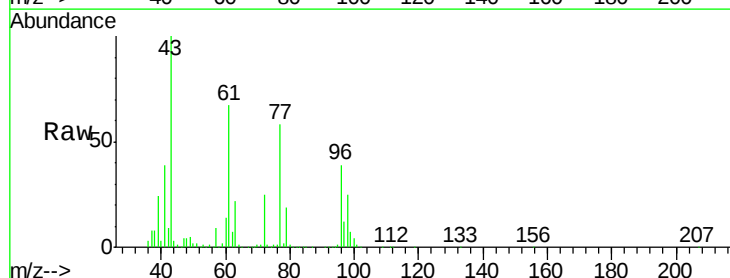
Manual Integrations
 APPROVED

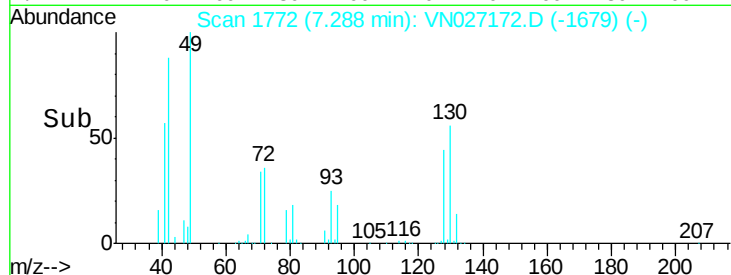
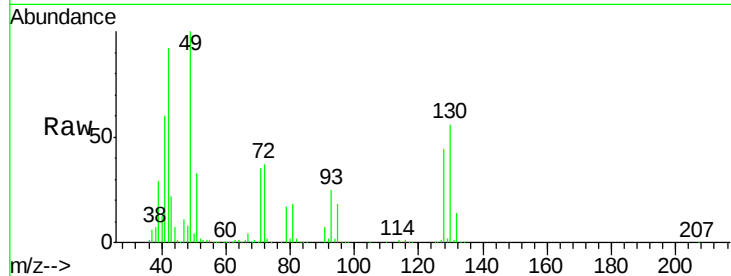
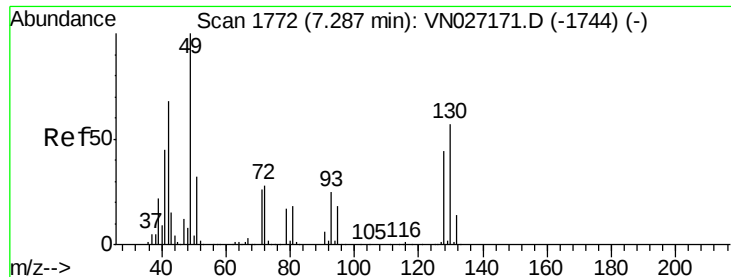
MMDadoda
 9/16/2015 11:46:53 AM



#28
 cis-1,2-Dichloroethene
 Concen: 125.35 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion: 96 Resp: 891482
 Ion Ratio Lower Upper
 96 100
 61 173.3 0.0 329.2
 98 64.8 0.0 126.0





#29

Bromochloromethane

Concen: 117.73 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027172.D

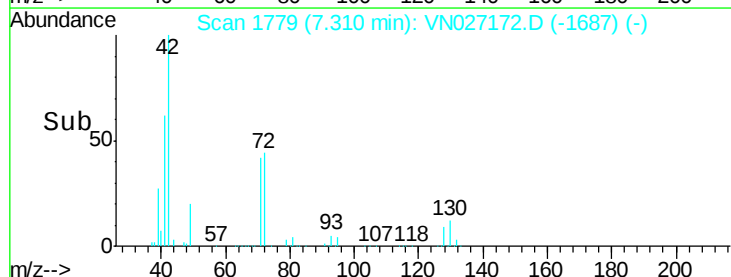
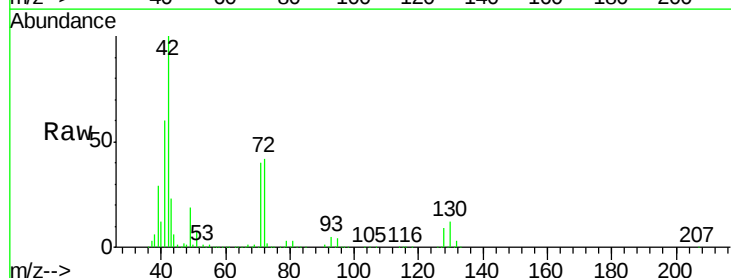
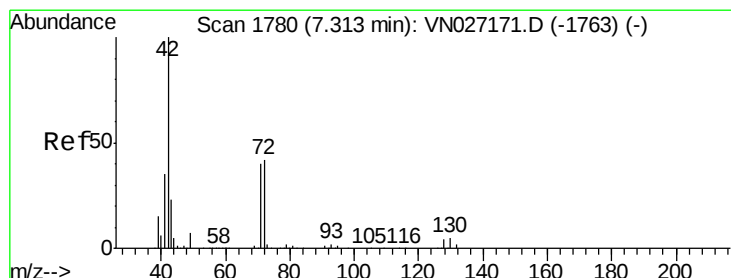
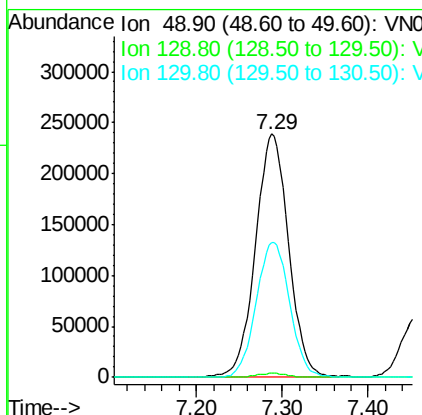
Acq: 15 Sep 2015 17:19

Tot Ion:	49	Resp:	641636
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	56.2	43.2	64.8

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

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#30

Tetrahydrofuran

Concen: 775.17 ug/l

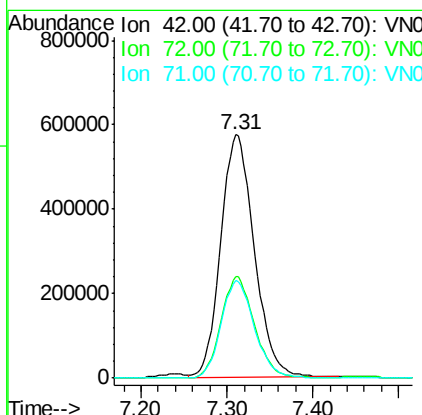
RT: 7.31 min Scan# 1779

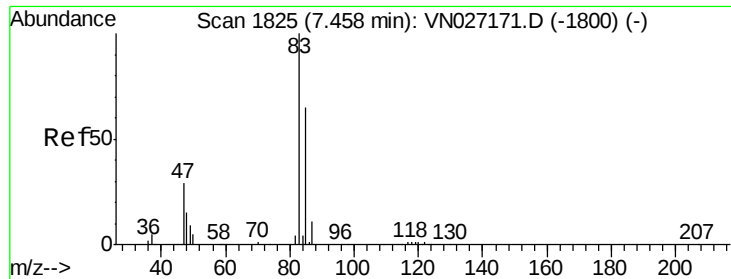
Delta R.T. -0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Tgt Ion:	42	Resp:	1553929
Ion	Ratio	Lower	Upper
42	100		
72	41.9	29.9	44.9
71	40.1	28.3	42.5





#31

Chloroform

Concen: 139.10 ug/l

RT: 7.46 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 83 Resp: 1589426

Ion Ratio Lower Upper

83 100

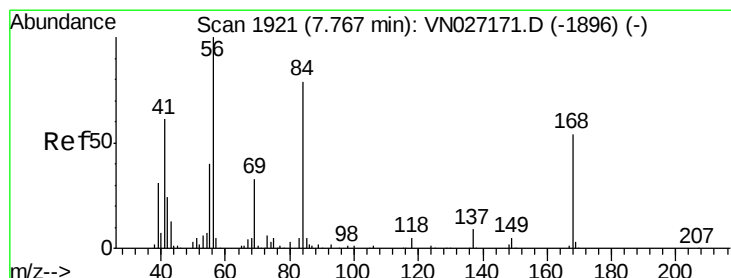
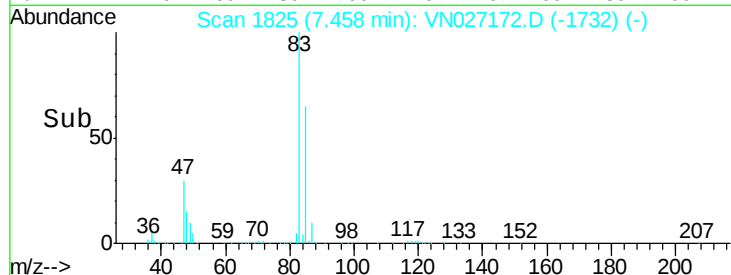
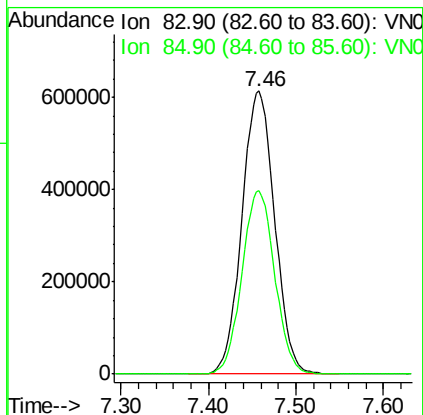
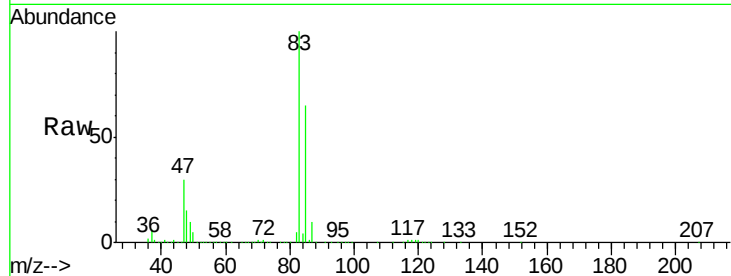
85 64.9 51.1 76.7

Manual Integrations

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#32

Cyclohexane

Concen: 118.56 ug/l

RT: 7.77 min Scan# 1921

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

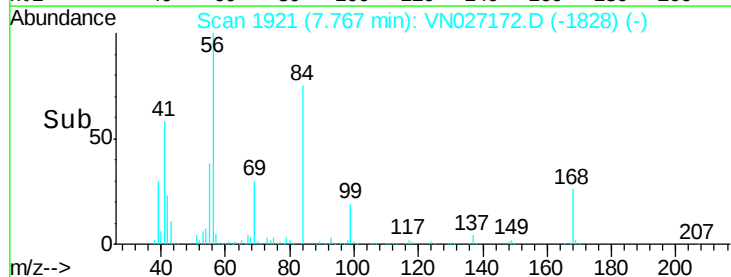
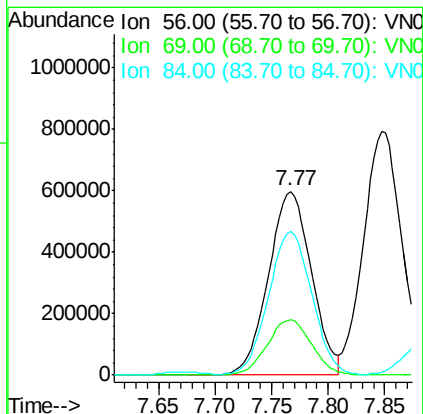
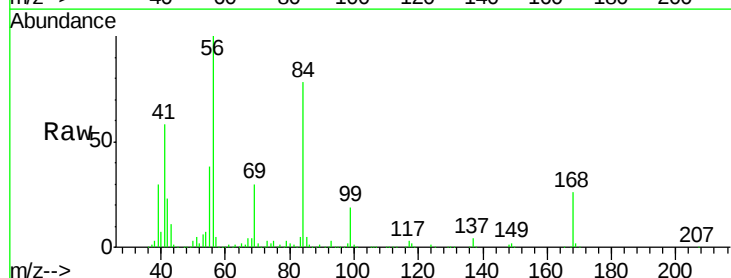
Tgt Ion: 56 Resp: 1573950

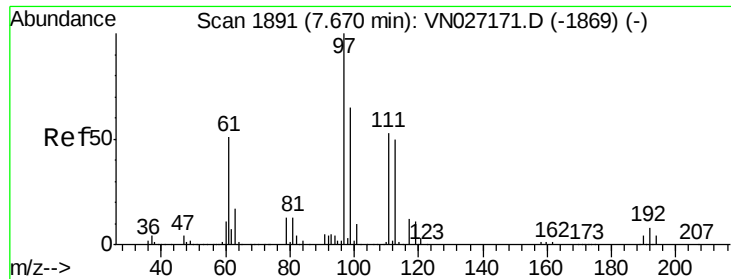
Ion Ratio Lower Upper

56 100

69 30.0 23.0 34.4

84 76.6 57.8 86.8





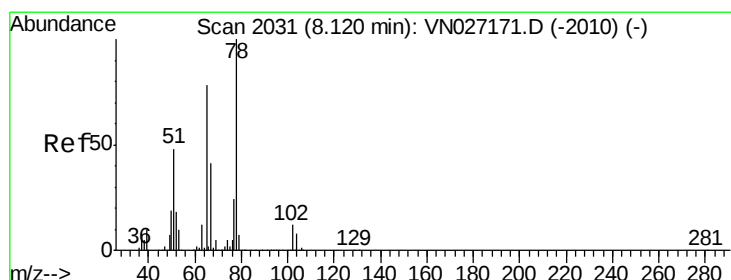
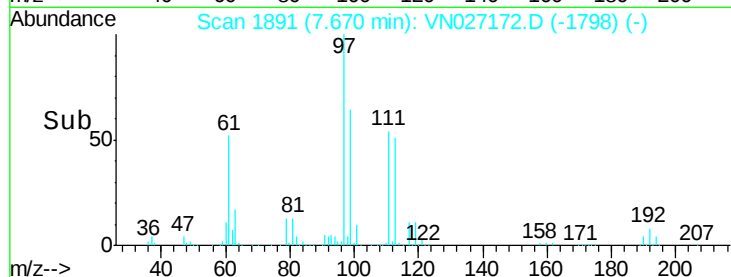
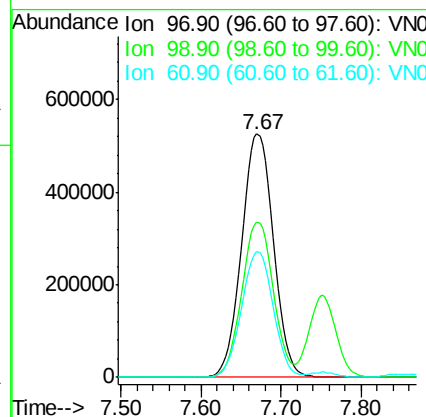
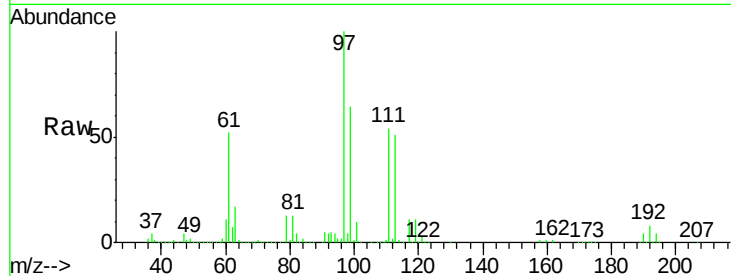
#33
 1,1,1-Trichloroethane
 Concen: 145.93 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	97	Resp	1411704
Ion	Ratio	Lower	Upper
97	100		
99	63.4	50.1	75.1
61	51.6	44.0	66.0

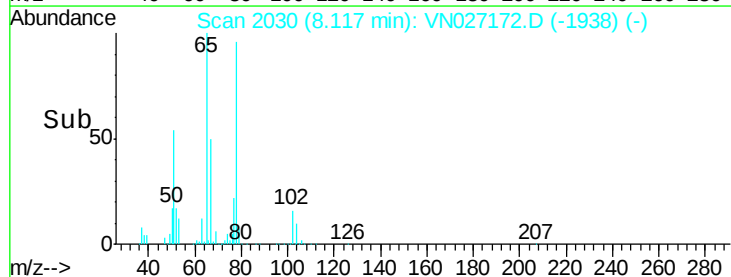
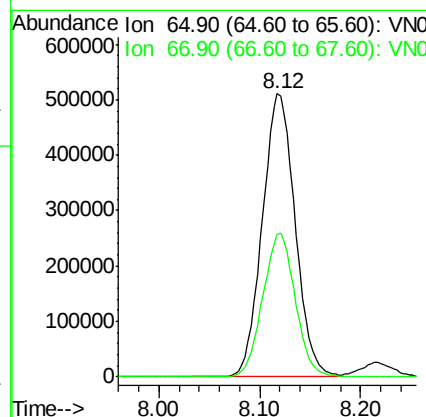
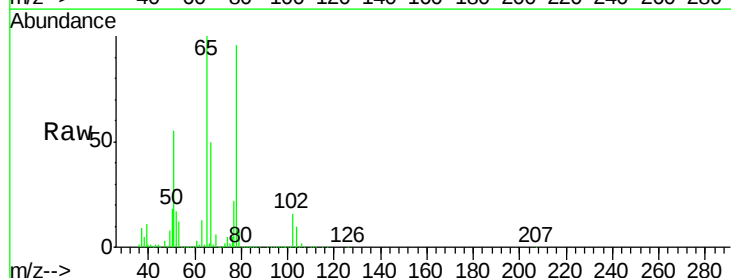
Manual Integrations
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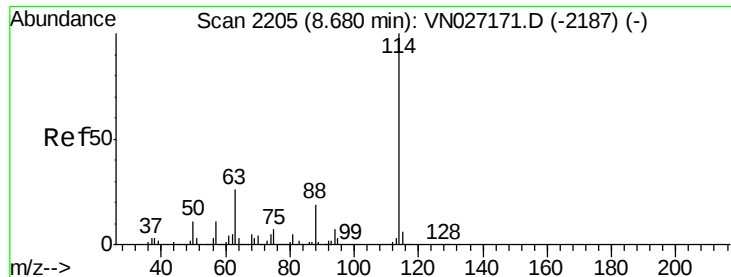
MMDadoda
 9/16/2015 11:46:53 AM



#34
 1,2-Dichloroethane-d4
 Concen: 153.91 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	65	Resp	1155306
Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	110.6





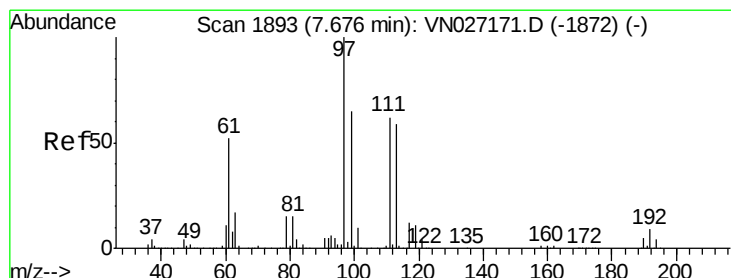
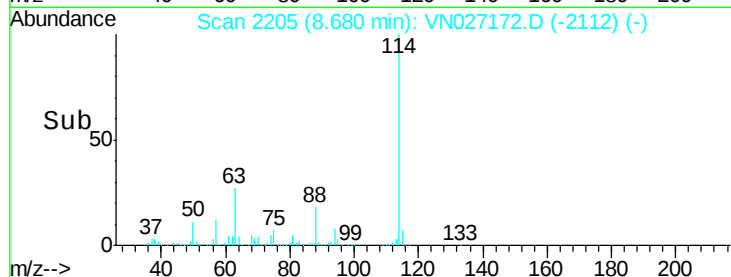
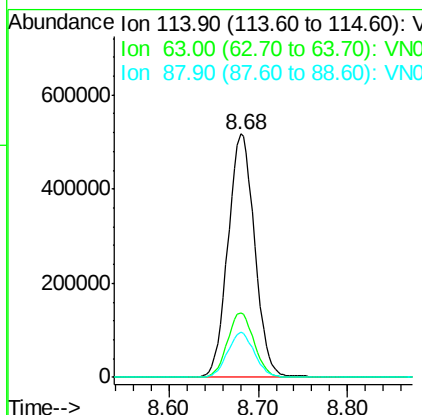
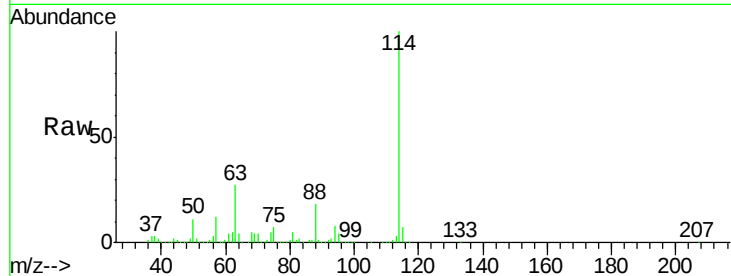
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
114	100	1072215		
63	26.7		0.0	48.8
88	18.3		0.0	32.2

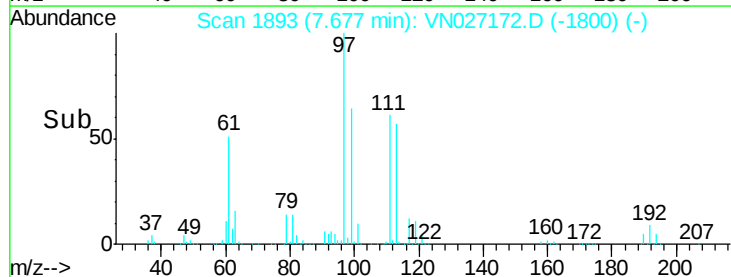
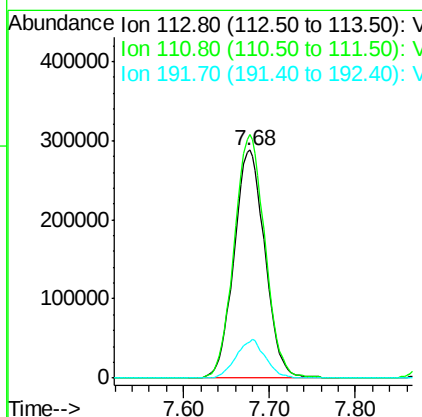
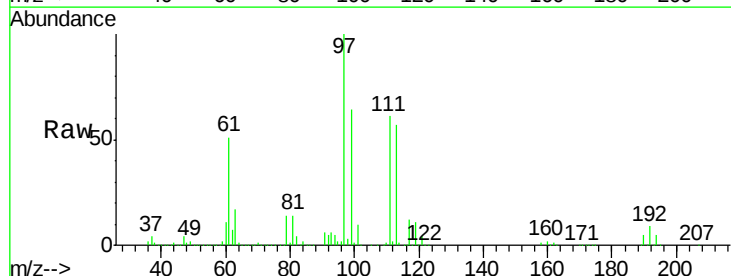
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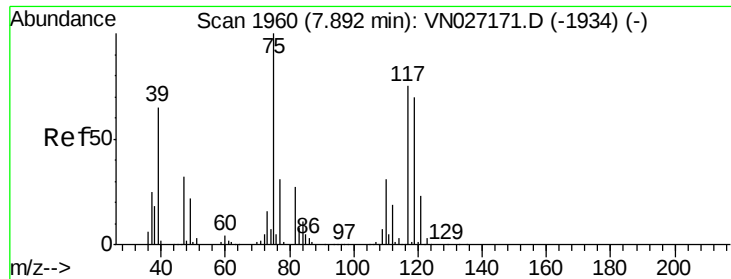
MMDadoda
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#36
 Dibromofluoromethane
 Concen: 109.04 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	716790		
111	106.6		83.0	124.4
192	16.3		14.1	21.1





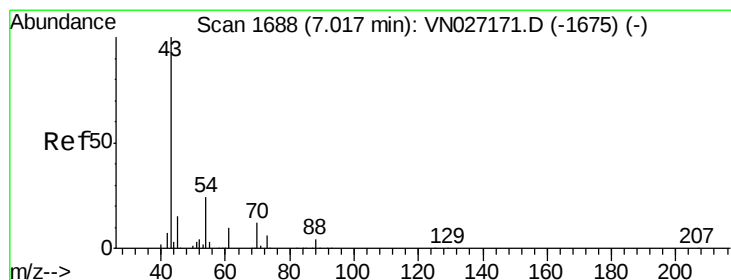
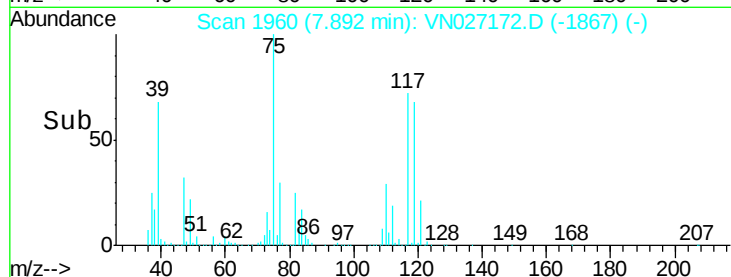
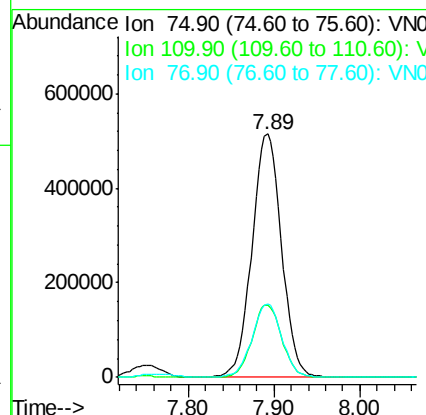
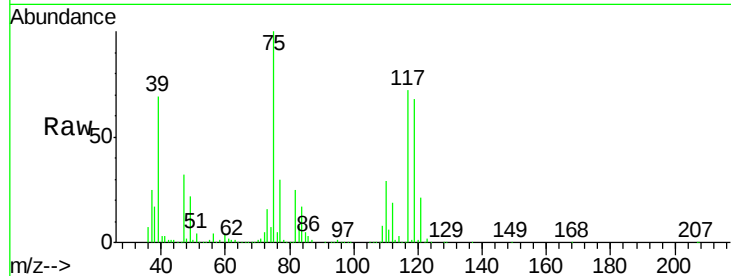
#37
 1,1-Dichloropropene
 Concen: 121.98 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
110	29.9	15.9	47.7
77	30.2	24.9	37.3

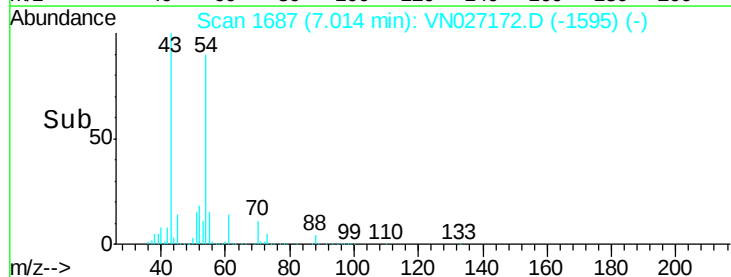
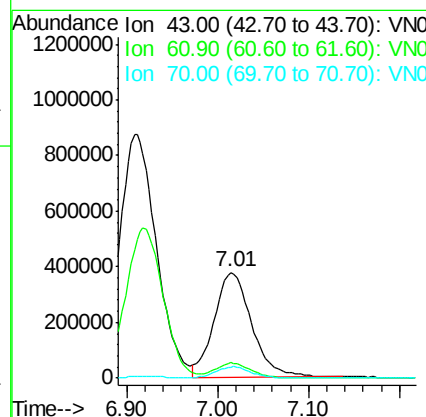
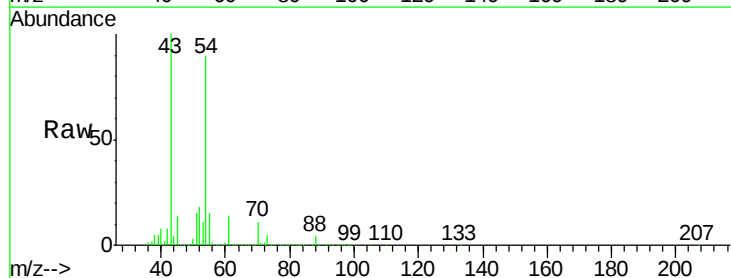
Manual Integrations
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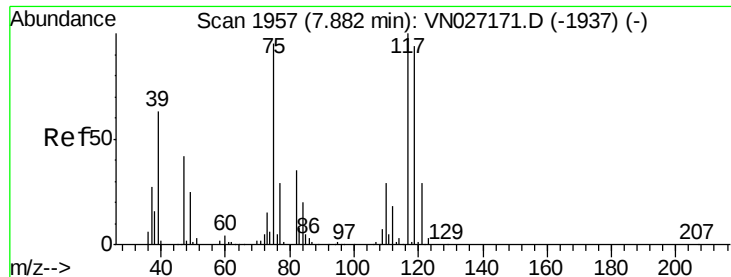
MMDadoda
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#38
 Ethyl Acetate
 Concen: 150.00 ug/l
 RT: 7.01 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.2	15.4
70	9.9	7.4	11.0





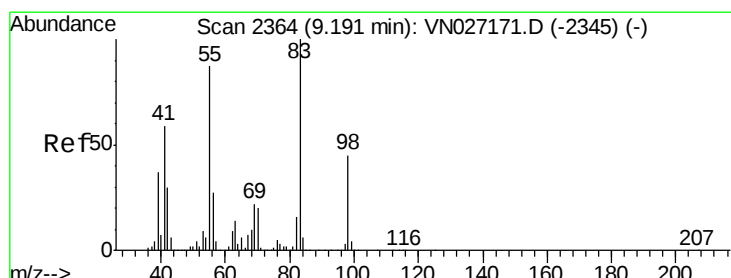
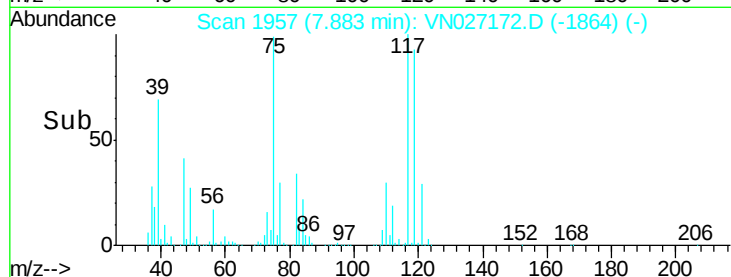
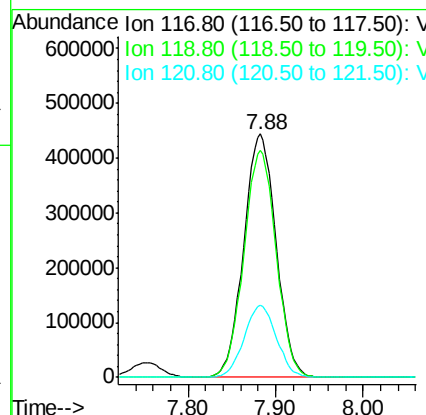
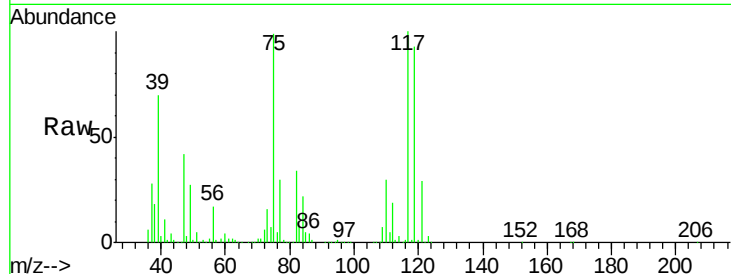
#39
Carbon Tetrachloride
Concen: 119.17 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
119	93.2	75.3	112.9
121	29.5	23.8	35.8

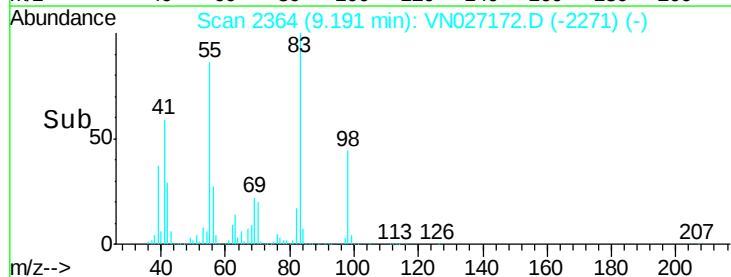
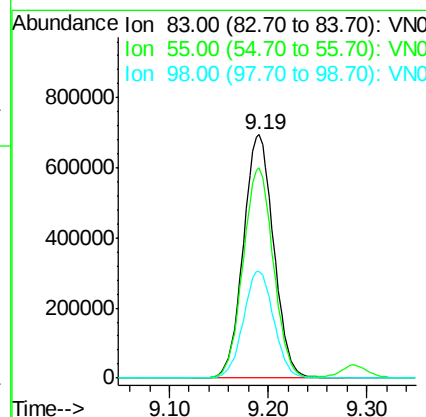
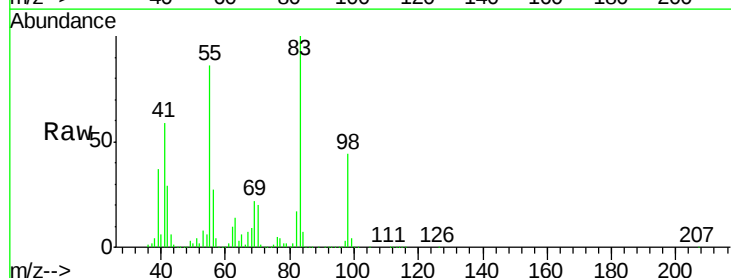
Manual Integrations
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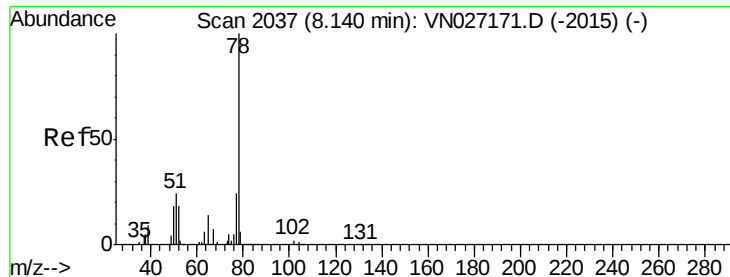
MMDadoda
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#40
Methylcyclohexane
Concen: 121.06 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.0	69.8	104.8
98	43.9	34.3	51.5





#41

Benzene

Concen: 112.79 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 78 Resp: 3503466

Ion Ratio Lower Upper

78 100

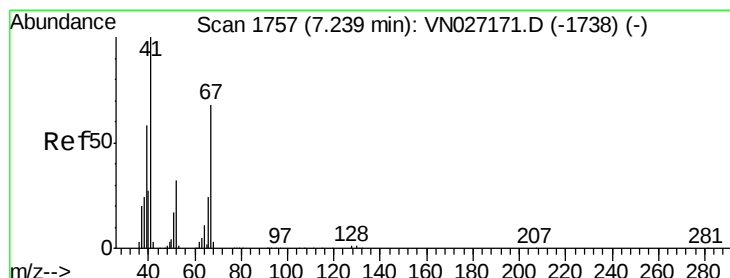
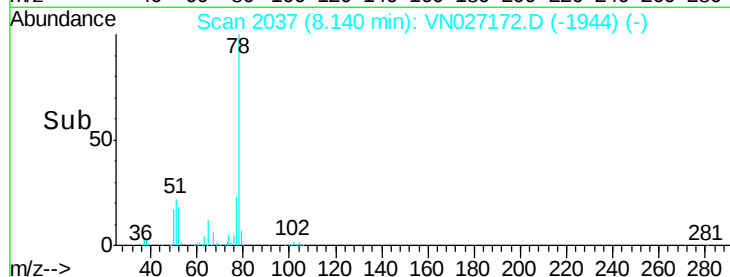
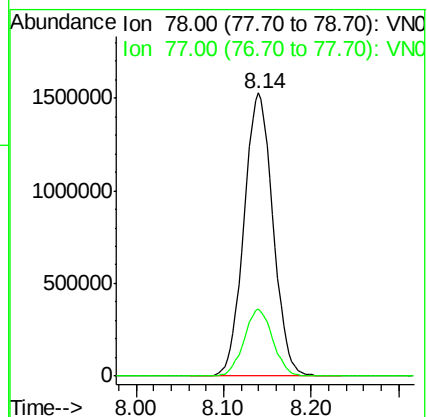
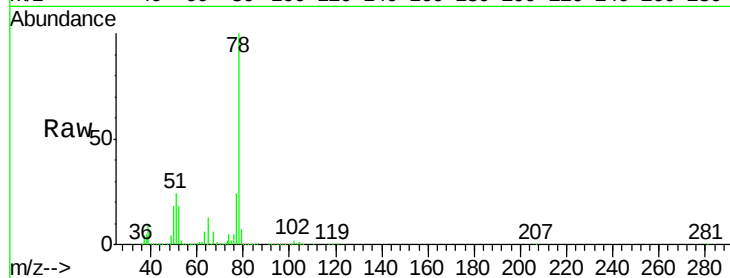
77 23.5 19.0 28.4

Manual Integrations

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MMDadoda

9/16/2015 11:46:53 AM



#42

Methacrylonitrile

Concen: 137.19 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Tgt Ion: 41 Resp: 634065

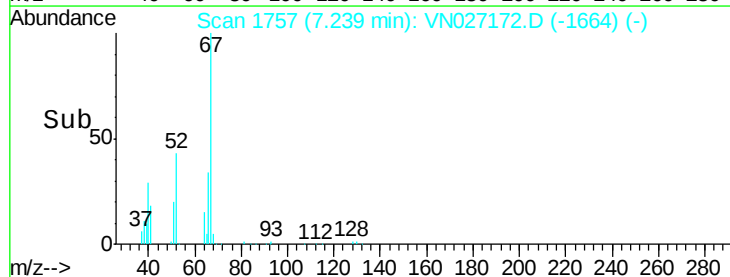
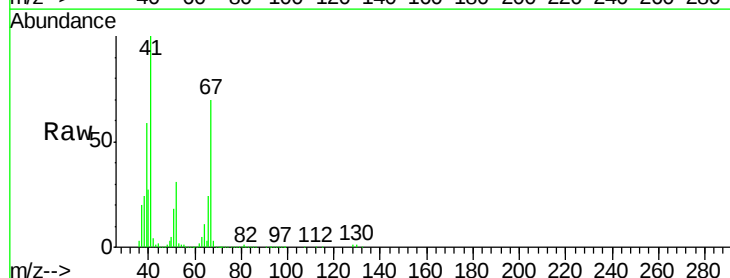
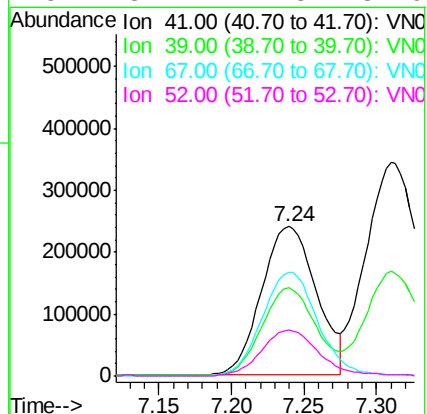
Ion Ratio Lower Upper

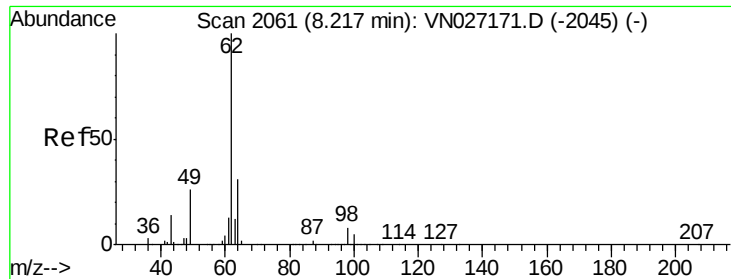
41 100

39 57.5 43.0 64.6

67 70.6 52.2 78.2

52 31.4 21.3 31.9





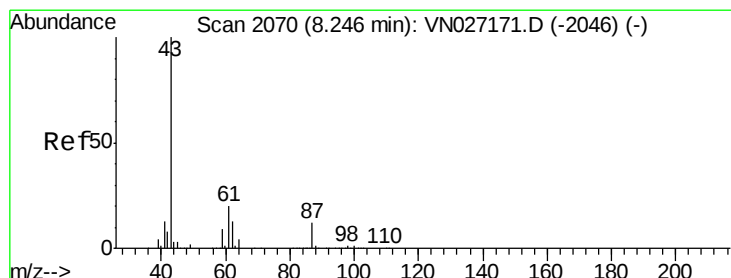
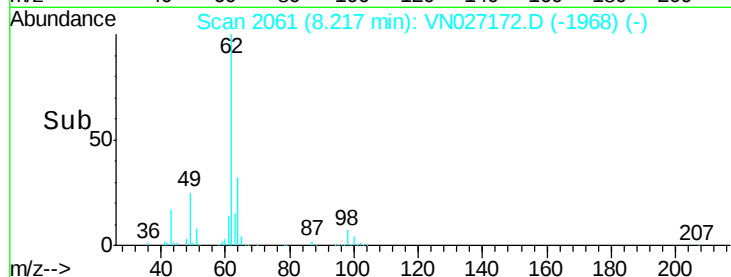
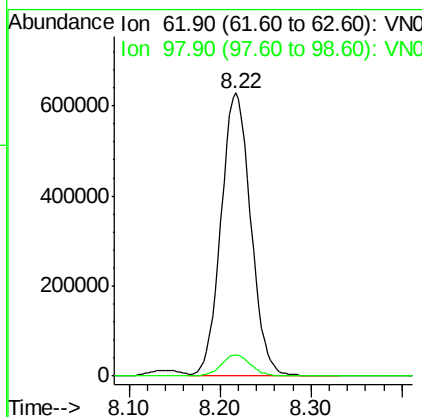
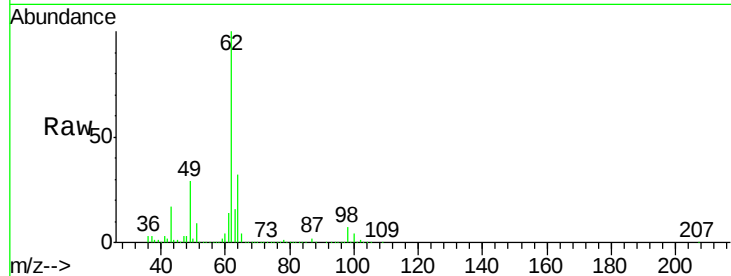
#43
 1,2-Dichloroethane
 Concen: 133.62 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	18.0

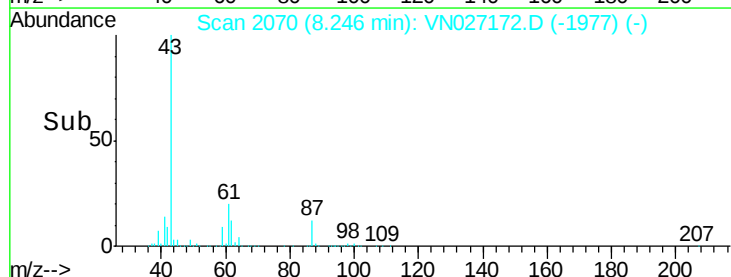
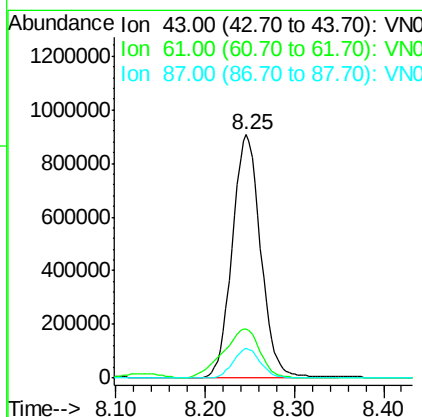
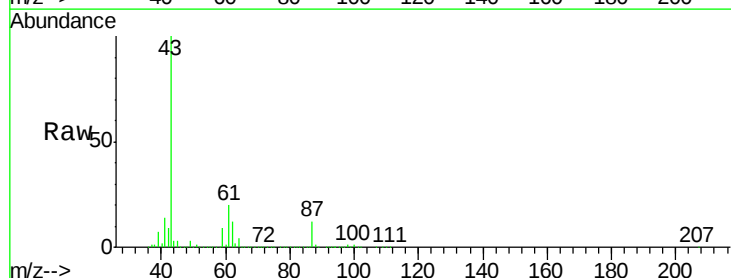
Manual Integrations
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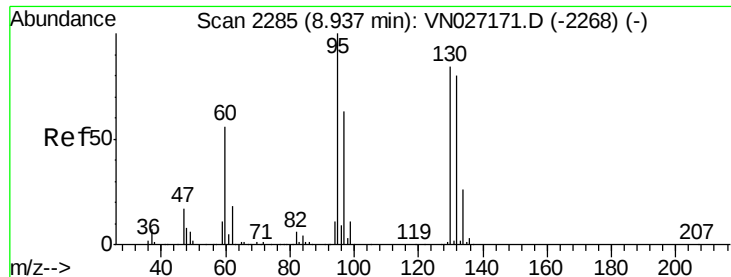
MMDadoda
 9/16/2015 11:46:53 AM



#44
 Isopropyl Acetate
 Concen: 154.29 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.0	20.6	31.0
87	12.0	8.6	13.0





#45

Trichloroethene

Concen: 94.14 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:130 Resp: 712547

Ion Ratio Lower Upper

130 100

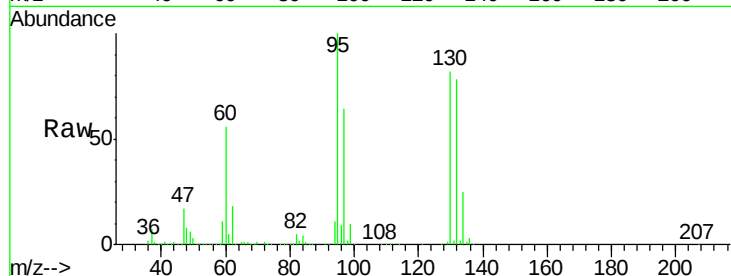
95 122.4 0.0 222.2

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO

500000

400000

300000

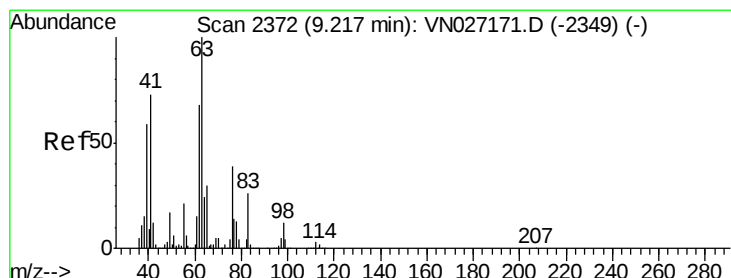
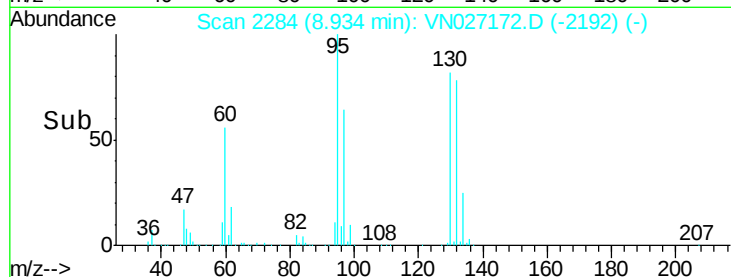
200000

100000

0

8.85 8.90 8.95 9.00 9.05

Time-->



#46

1,2-Dichloropropane

Concen: 121.90 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027172.D

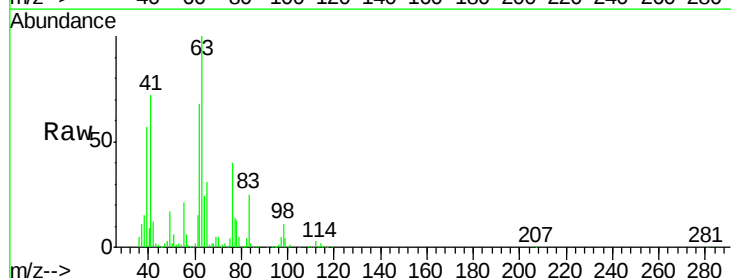
Acq: 15 Sep 2015 17:19

Tgt Ion: 63 Resp: 984519

Ion Ratio Lower Upper

63 100

65 30.5 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO

500000

400000

300000

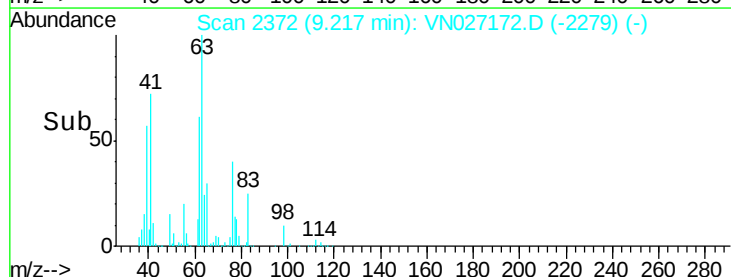
200000

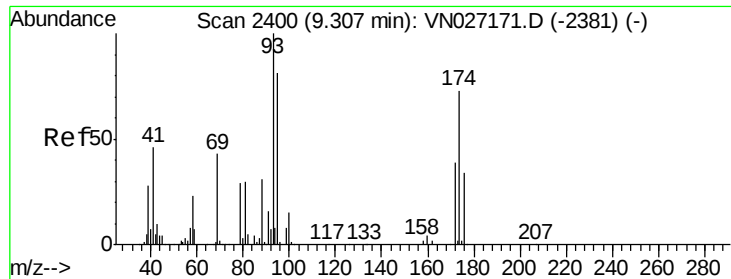
100000

0

9.10 9.20 9.30

Time-->





#47

Dibromomethane

Concen: 122.79 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

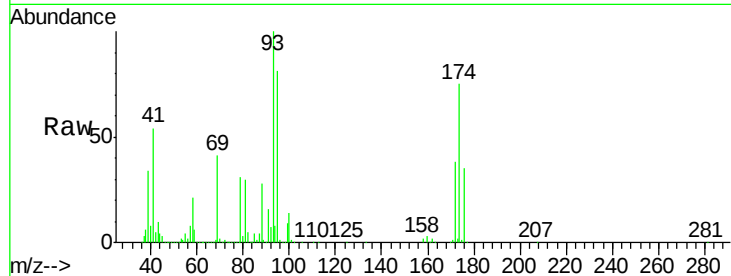
ClientSampleId :

VSTDIC100

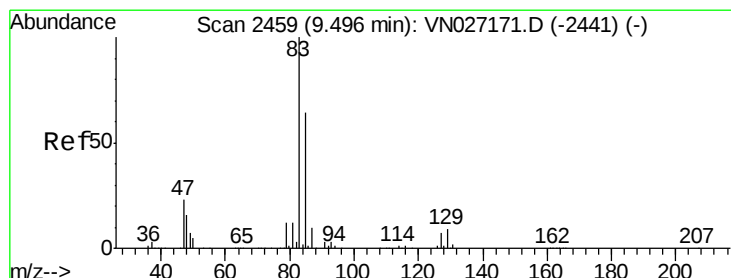
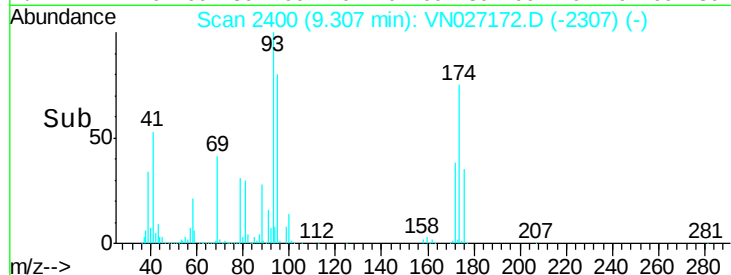
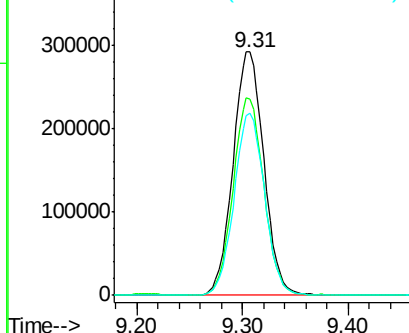
Tot Ion:	93	Resp:	591148
Ion Ratio	Lower	Upper	
93	100		
95	80.3	66.3	99.5
174	74.1	67.8	101.6

Manual Integrations
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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: 127.18 ug/l

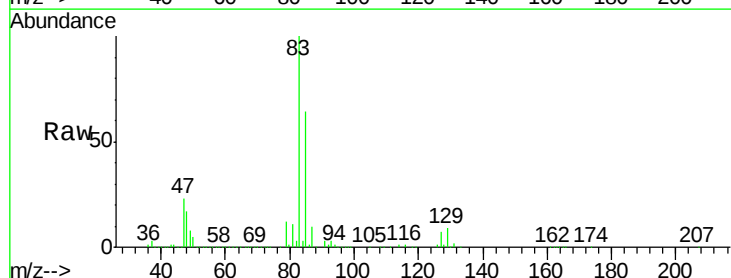
RT: 9.49 min Scan# 2458

Delta R.T. -0.00 min

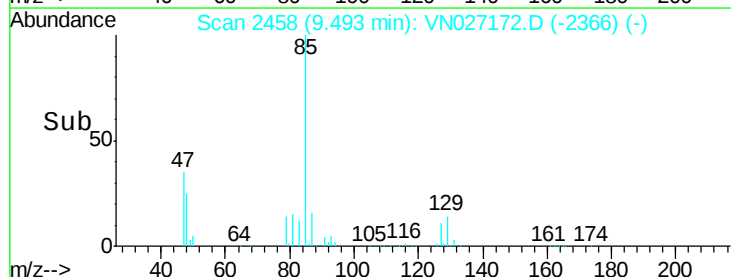
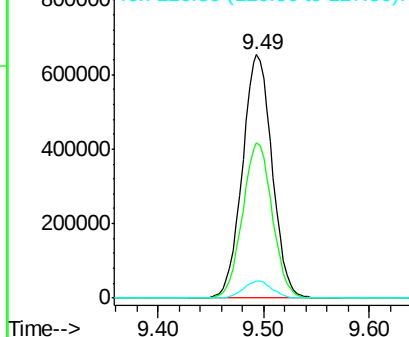
Lab File: VN027172.D

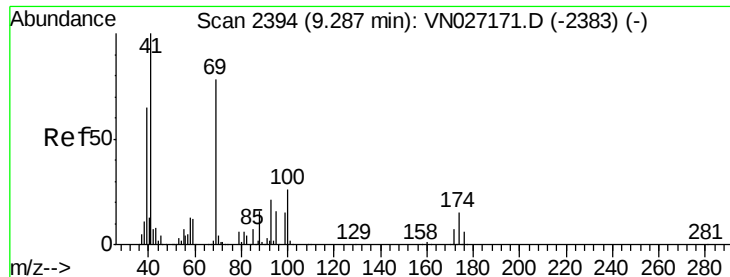
Acq: 15 Sep 2015 17:19

Tgt Ion:	83	Resp:	1272863
Ion Ratio	Lower	Upper	
83	100		
85	63.9	50.7	76.1
127	6.9	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





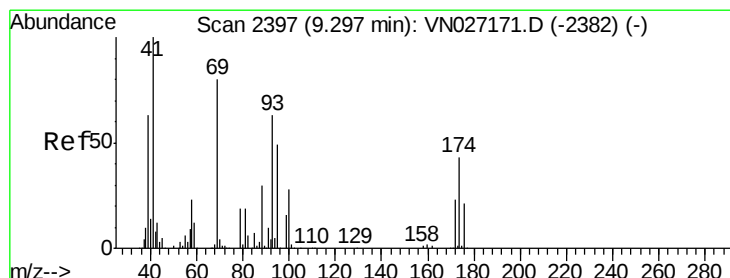
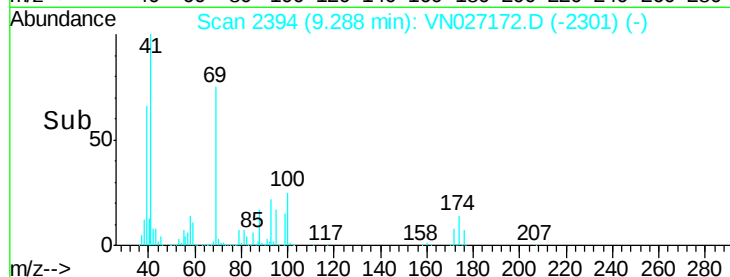
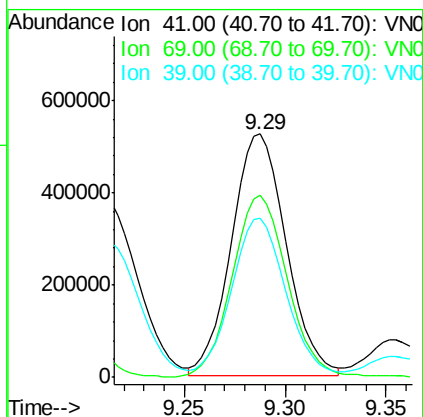
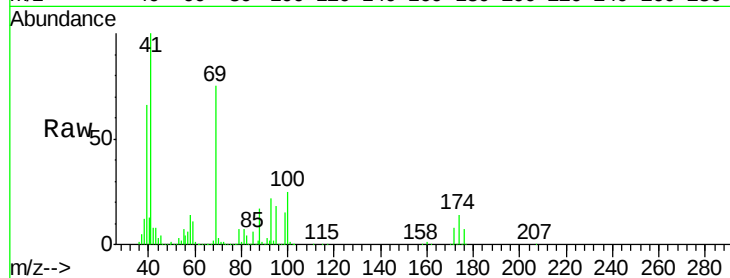
#49
Methvl methacrylate
Concen: 152.99 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 41 Resp: 1005764
Ion Ratio Lower Upper
41 100
69 74.6 59.3 88.9
39 64.6 39.5 59.3#

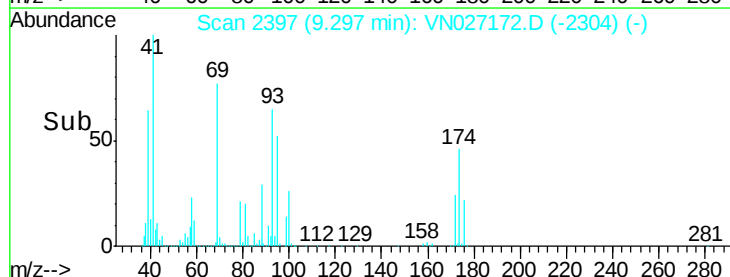
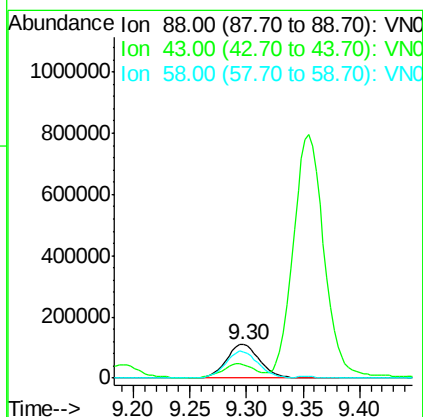
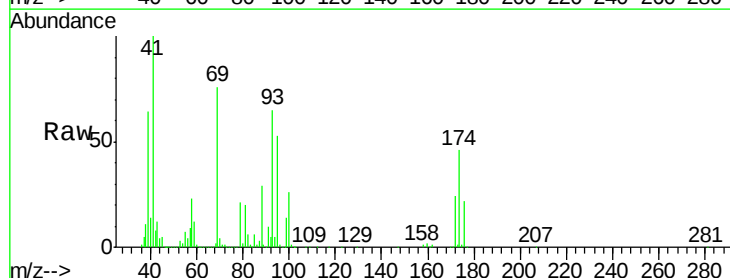
Manual Integrations
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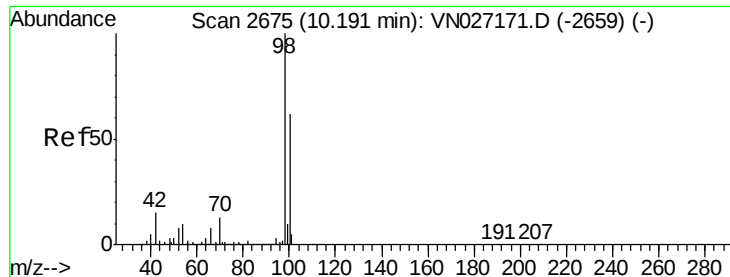
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#50
1,4-Dioxane
Concen: 2380.39 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion: 88 Resp: 225172
Ion Ratio Lower Upper
88 100
43 38.4 27.6 41.4
58 79.0 63.1 94.7





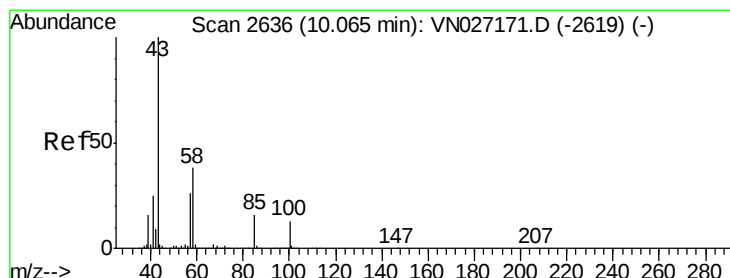
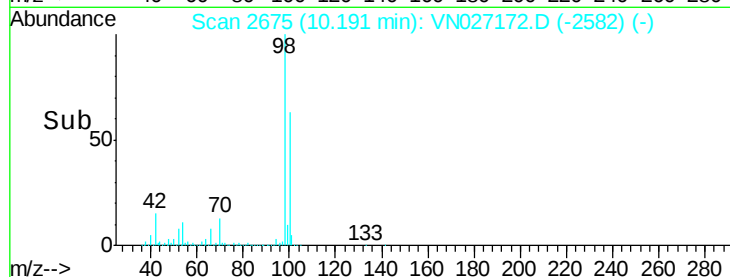
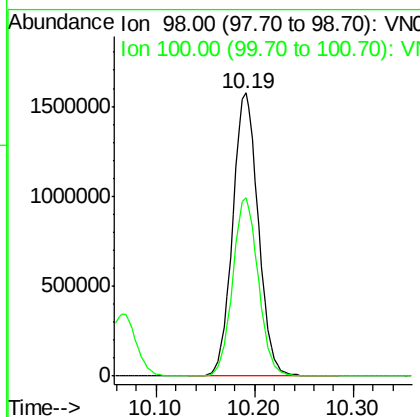
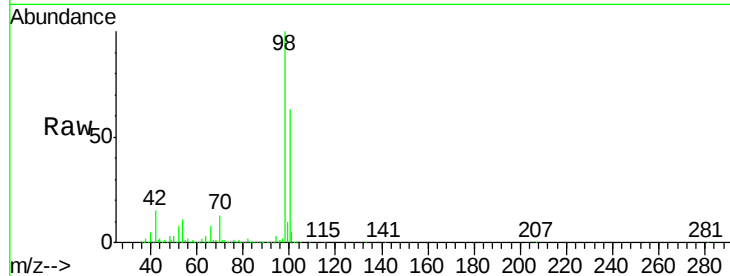
#51
Toluene-d8
Concen: 108.05 ug/l
RT: 10.19 min Scan# 2675
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 98 Resp: 2836324
Ion Ratio Lower Upper
98 100
100 62.8 50.5 75.7

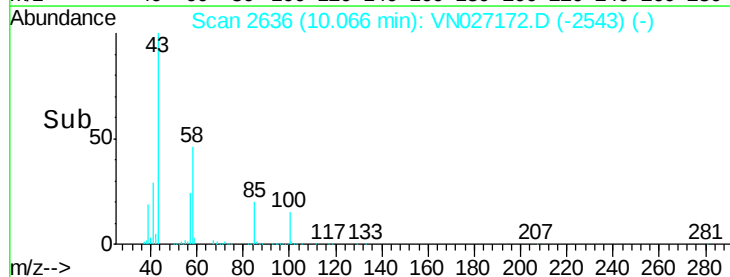
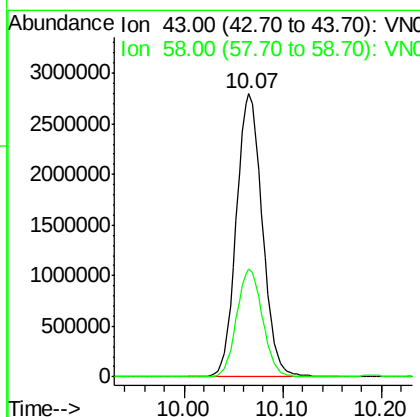
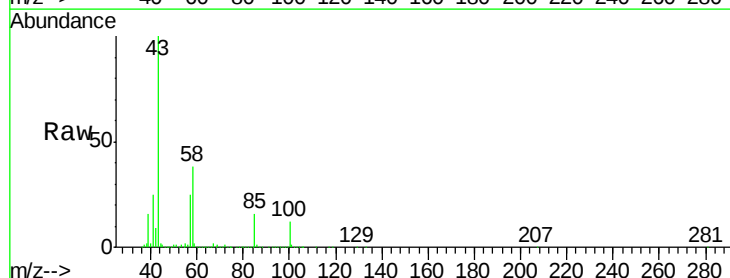
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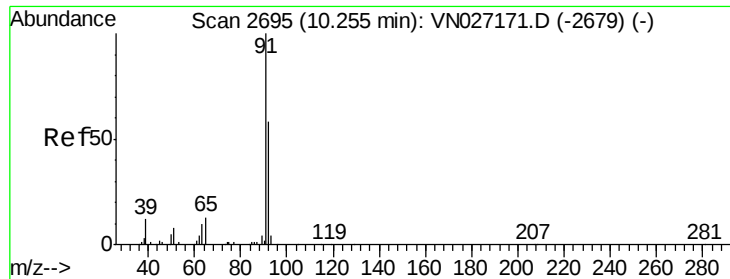
MMDadoda
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#52
4-Methyl-2-Pentanone
Concen: 694.14 ug/l
RT: 10.07 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion: 43 Resp: 5091682
Ion Ratio Lower Upper
43 100
58 38.0 29.8 44.8





#53

Toluene

Concen: 109.95 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 92 Resp: 2072092

Ion Ratio Lower Upper

92 100

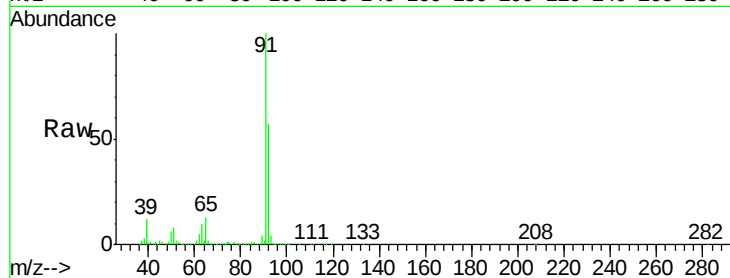
91 174.2 141.4 212.2

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

2000000

1500000

1000000

500000

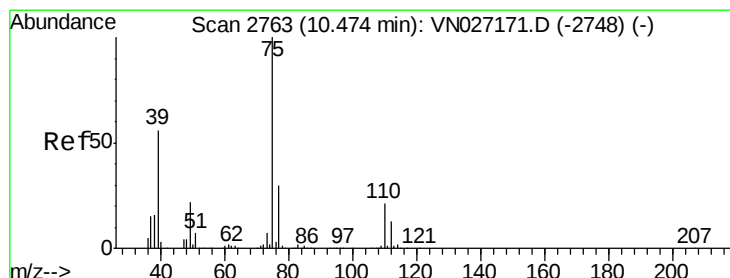
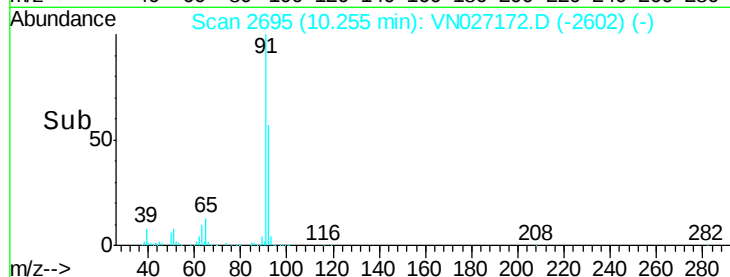
0

10.26

10.30

10.40

Time-->



#54

t-1,3-Dichloropropene

Concen: 146.01 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027172.D

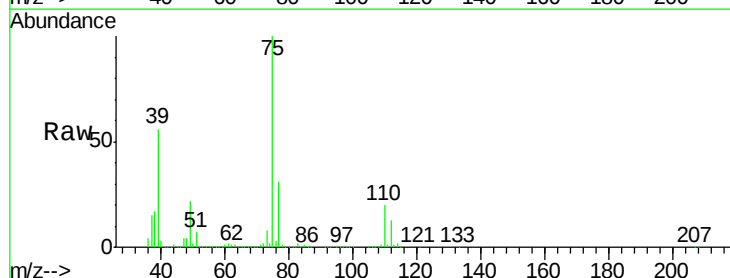
Acq: 15 Sep 2015 17:19

Tgt Ion: 75 Resp: 1459338

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

1000000

800000

600000

400000

200000

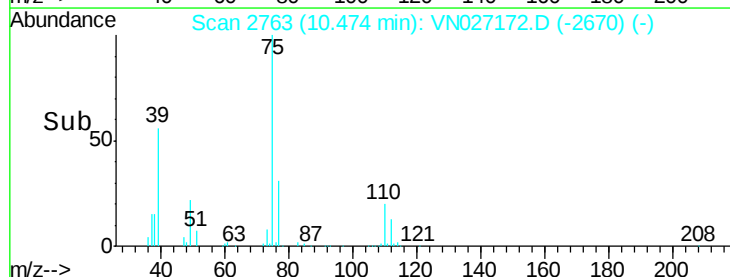
0

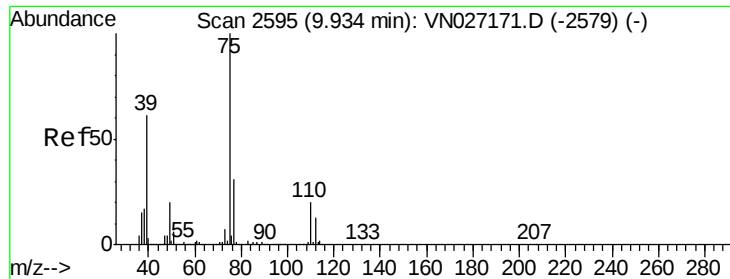
10.47

10.50

10.60

Time-->





#55

cis-1,3-Dichloropropene

Concen: 132.86 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 1543280

Ion Ratio Lower Upper

75 100

77 31.0 25.6 38.4

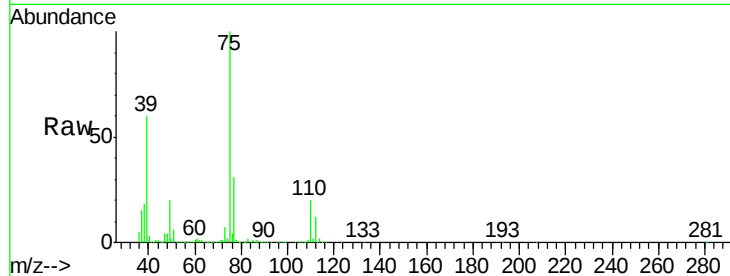
39 60.0 41.6 62.4

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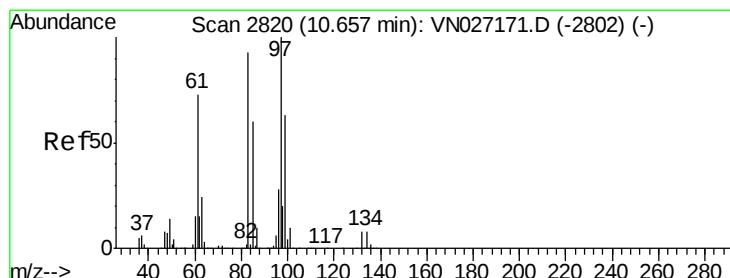
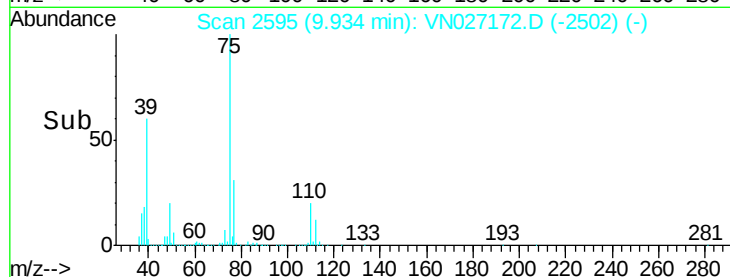
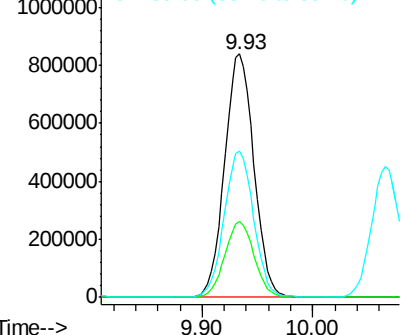
9/16/2015 11:46:53 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



#56

1,1,2-Trichloroethane

Concen: 107.54 ug/l

RT: 10.66 min Scan# 2820

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Tgt Ion: 97 Resp: 773549

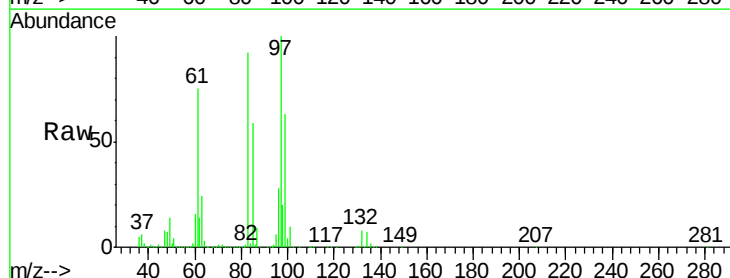
Ion Ratio Lower Upper

97 100

83 91.9 75.0 112.4

85 58.7 48.0 72.0

99 63.3 50.3 75.5

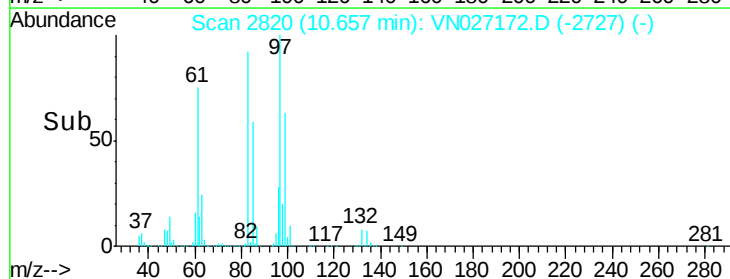
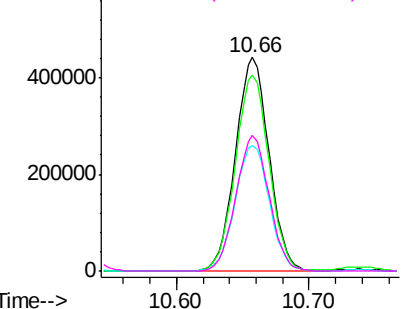


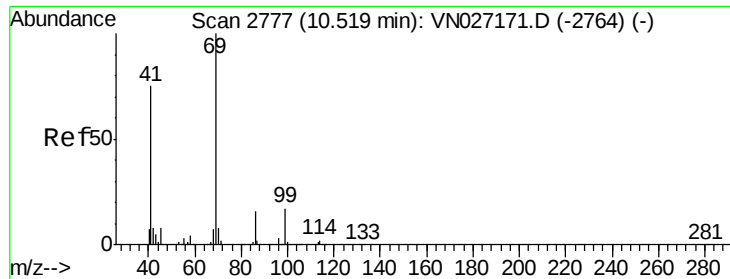
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0





#57

Ethyl methacrylate

Concen: 137.96 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 69 Resp: 1341468

Ion Ratio Lower Upper

69 100

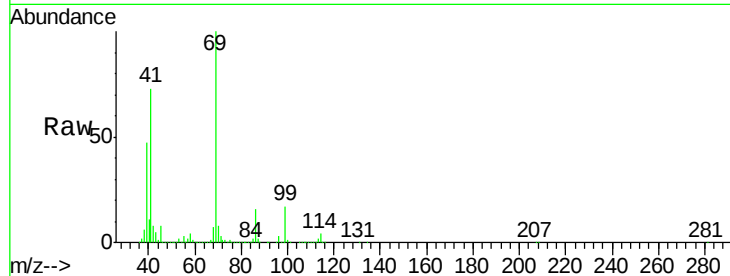
41 72.7 61.3 91.9

39 46.8 28.4 42.6#

Manual Integrations
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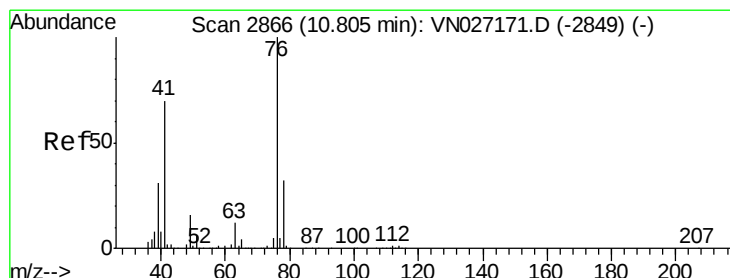
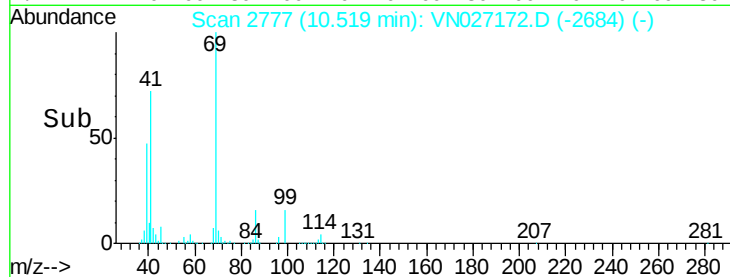
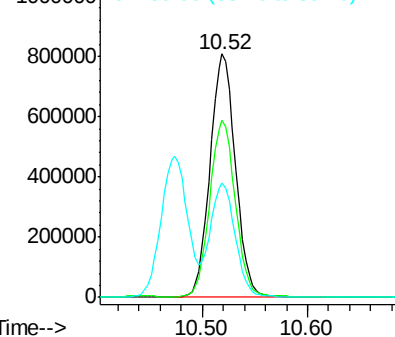
9/16/2015 11:46:53 AM



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

1,3-Dichloropropane

Concen: 120.99 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN027172.D

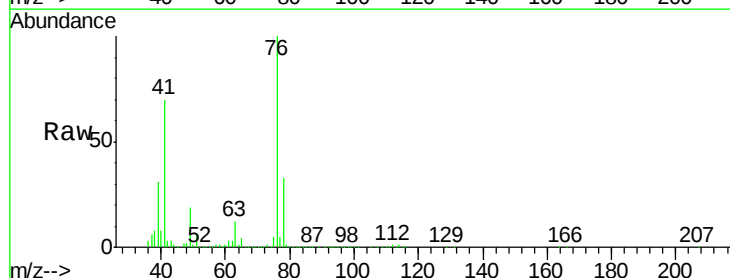
Acq: 15 Sep 2015 17:19

Tgt Ion: 76 Resp: 1441432

Ion Ratio Lower Upper

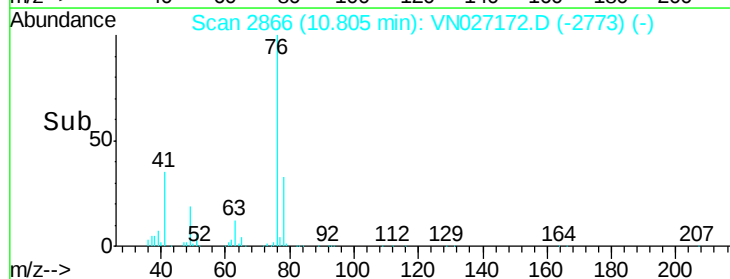
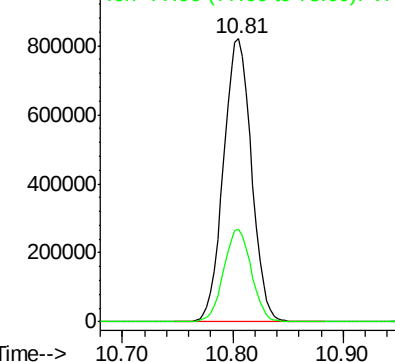
76 100

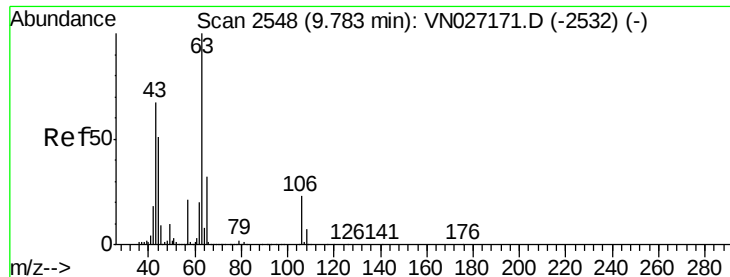
78 32.4 25.0 37.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





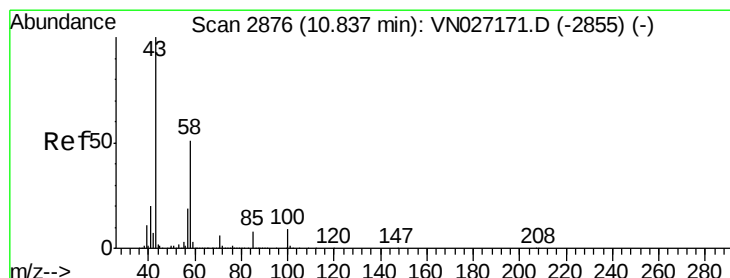
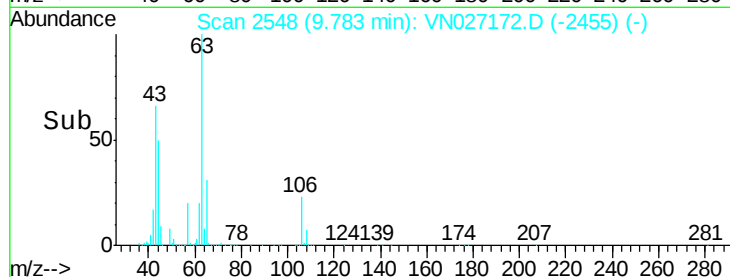
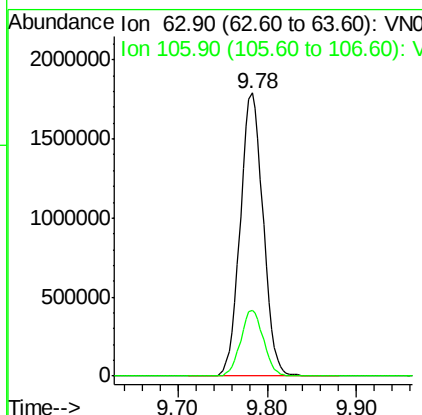
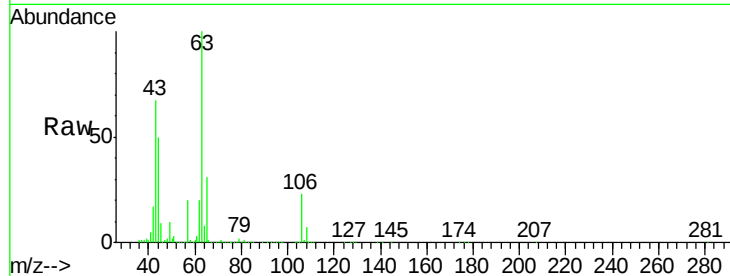
#59
2-Chloroethyl Vinyl ether
Concen: 842.91 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 3189399
Ion Ratio Lower Upper
63 100
106 23.2 17.7 26.5

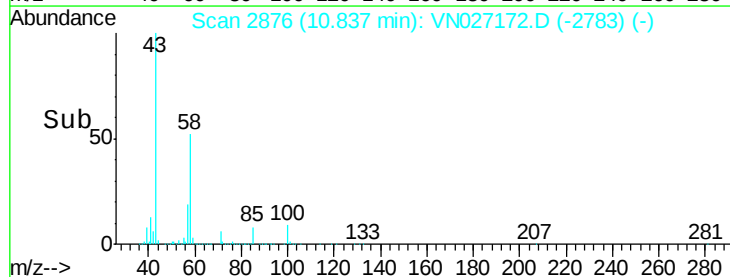
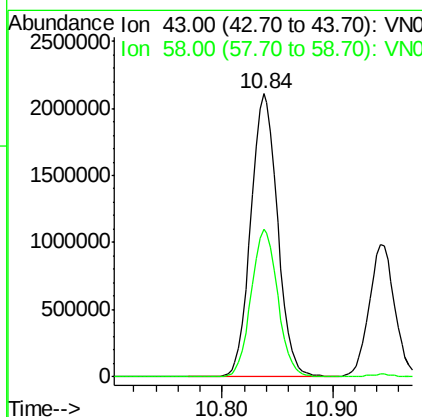
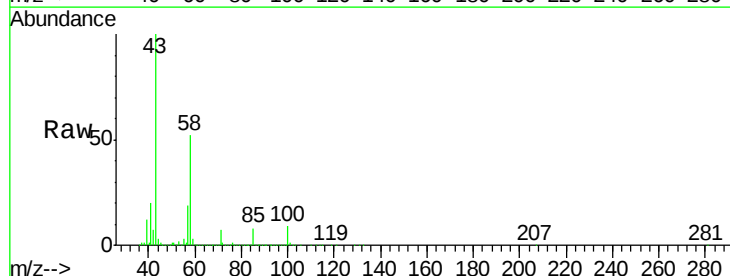
Manual Integrations
APPROVED

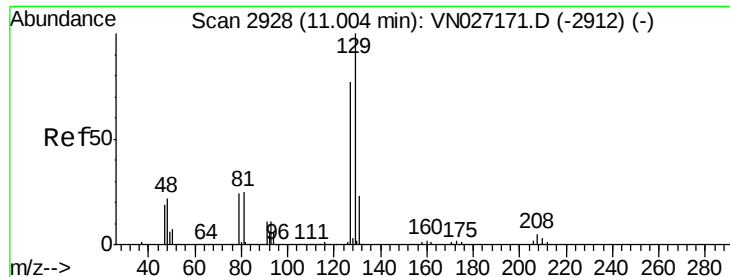
MMDadoda
9/16/2015 11:46:53 AM



#60
2-Hexanone
Concen: 721.23 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion: 43 Resp: 3523308
Ion Ratio Lower Upper
43 100
58 52.3 26.2 78.5





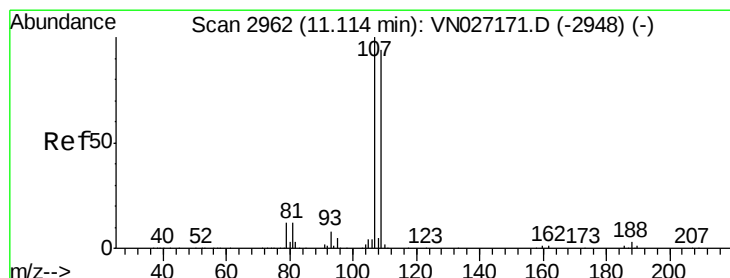
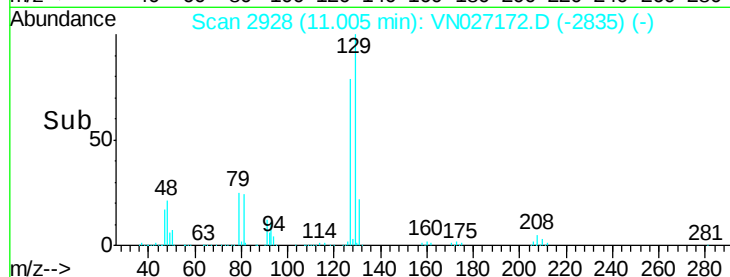
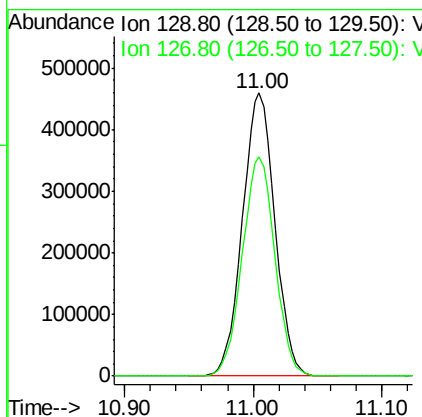
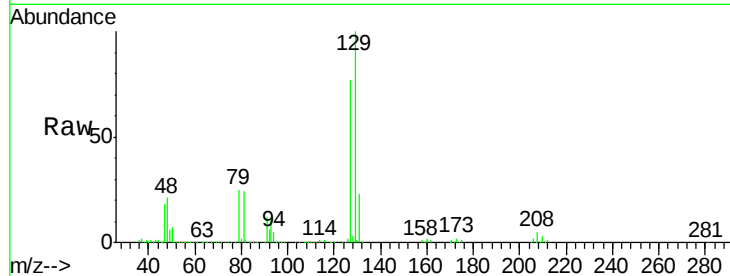
#61
 Dibromochloromethane
 Concen: 108.35 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		802988		
127	77.9	39.1	117.2		

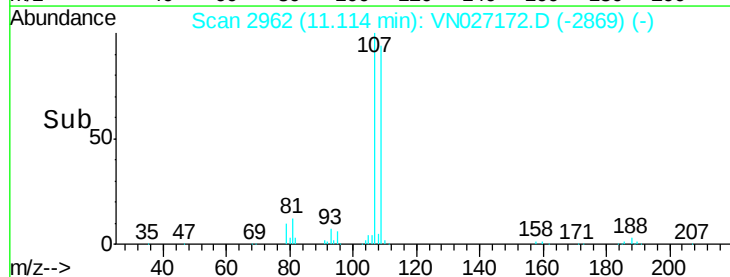
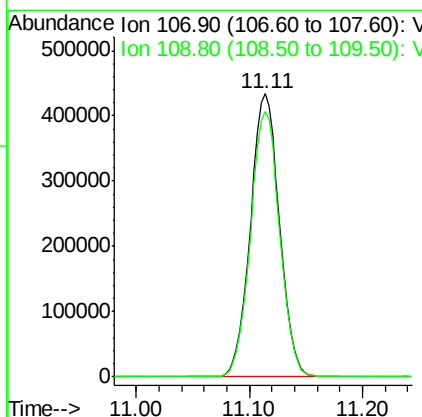
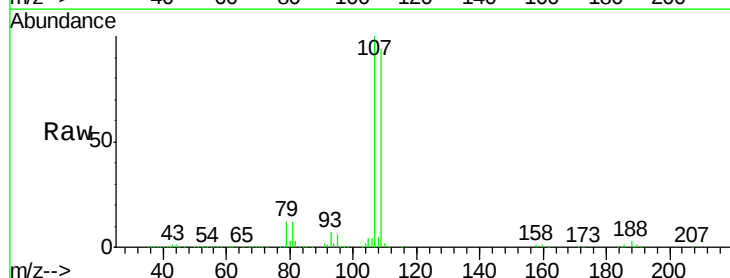
Manual Integrations
 APPROVED

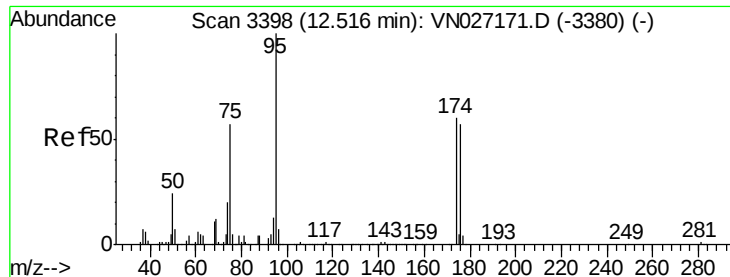
MMDadoda
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#62
 1,2-Dibromoethane
 Concen: 112.06 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		771032		
109	94.5	75.6	113.4		





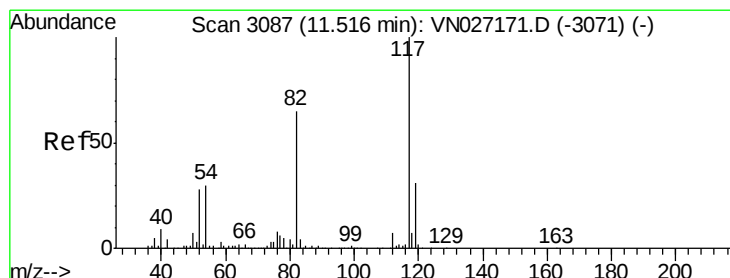
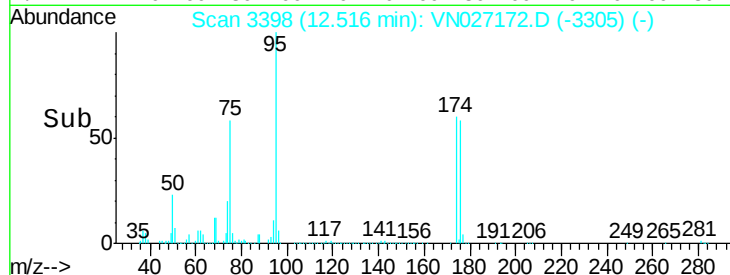
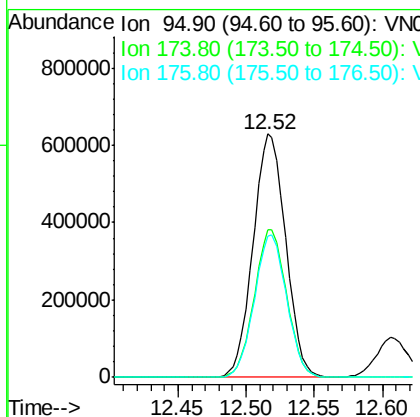
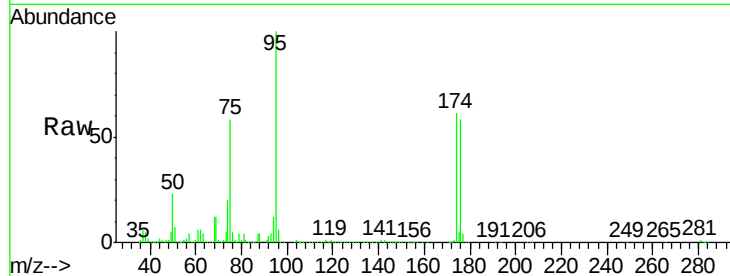
#63
4-Bromofluorobenzene
Concen: 121.26 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
95	100		
174	60.2	0.0	137.0
176	58.0	0.0	130.8

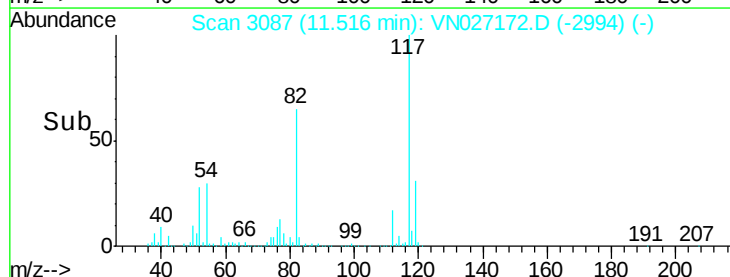
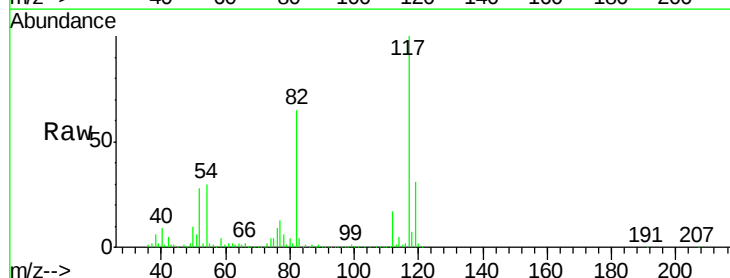
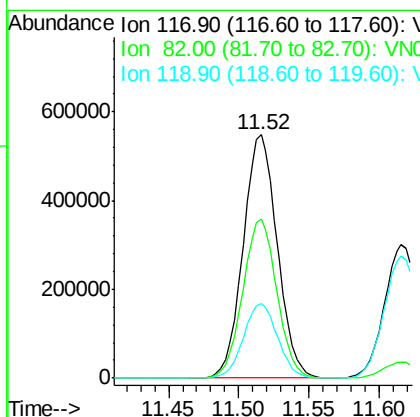
Manual Integrations
APPROVED

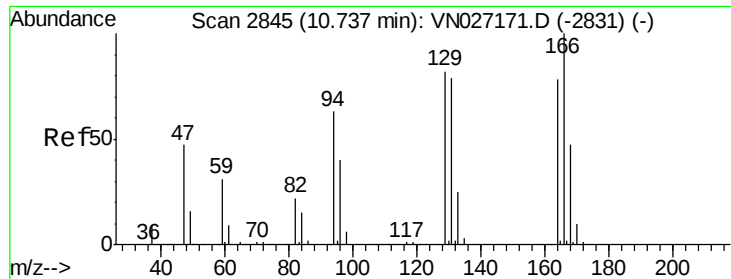
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#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.1	49.6	74.4
119	30.6	24.6	36.8





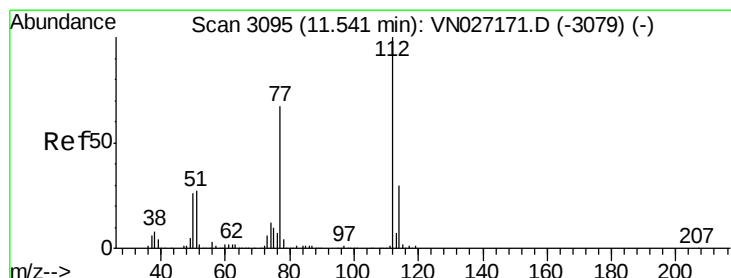
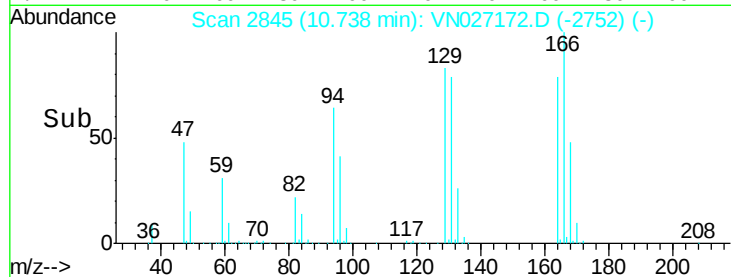
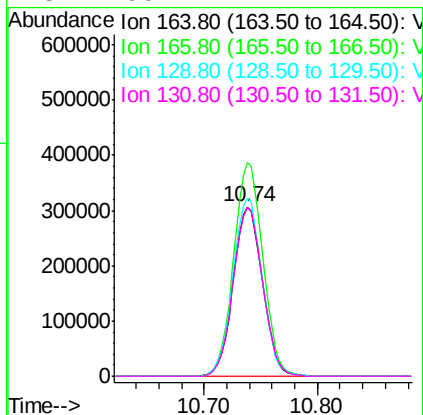
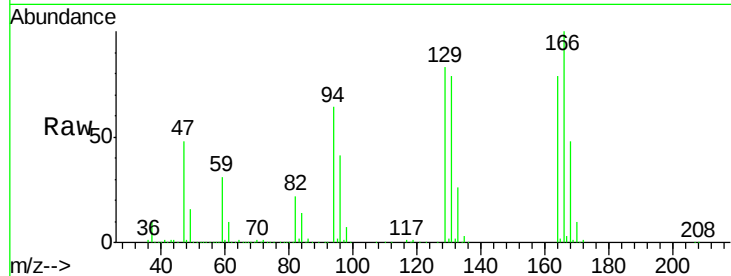
#65
Tetrachloroethene
Concen: 83.67 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.1	103.4	155.0	
129	105.2	77.5	116.3	
131	99.4	74.2	111.4	

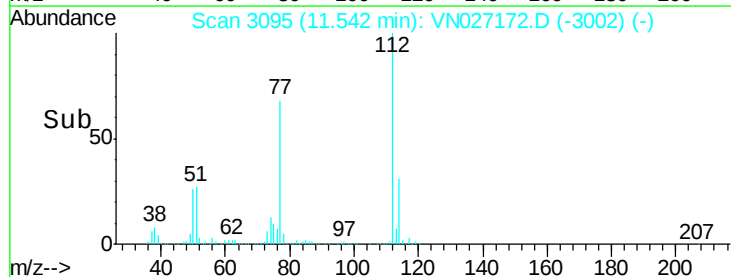
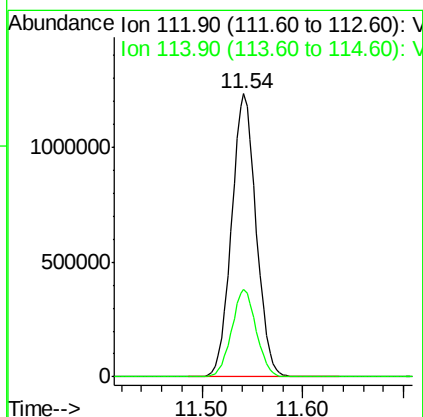
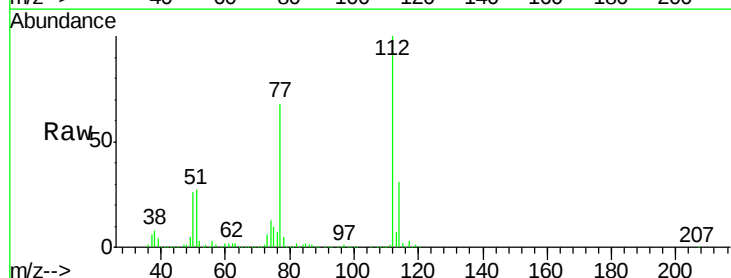
Manual Integrations
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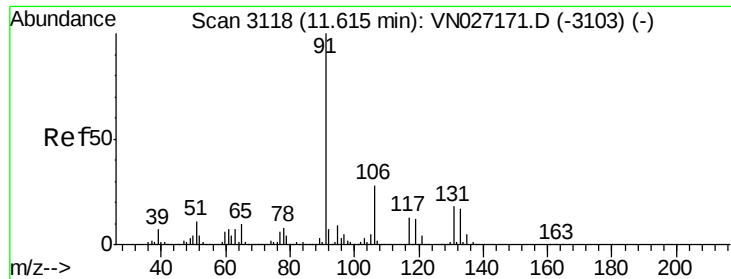
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#66
Chlorobenzene
Concen: 103.34 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
112	100			
114	31.0	24.9	37.3	





#67

1,1,1,2-Tetrachloroethane

Concen: 100.37 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

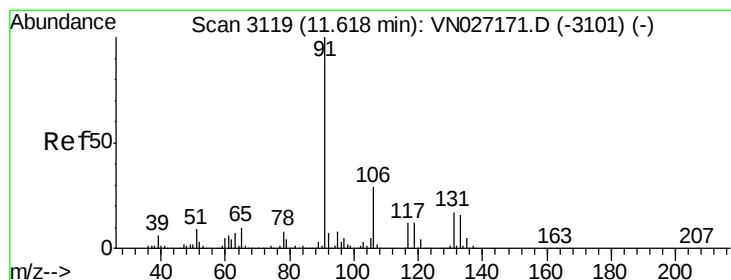
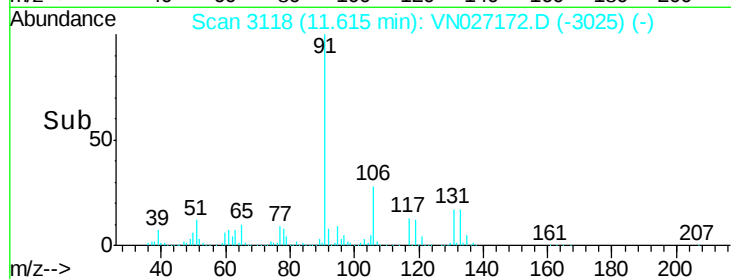
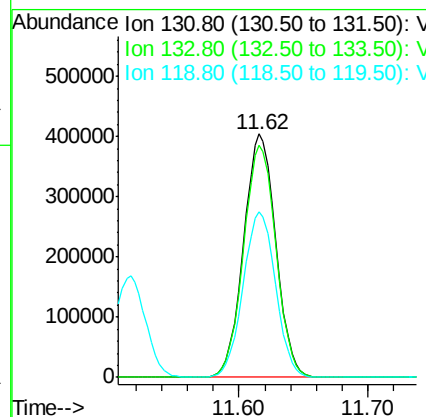
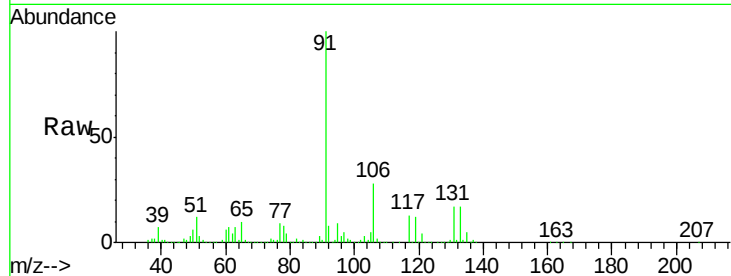
ClientSampled :

VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
131	100	700389		
133	96.0	47.0	141.2	
119	68.5	35.1	105.5	

Manual Integrations
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#68

Ethyl Benzene

Concen: 116.80 ug/l

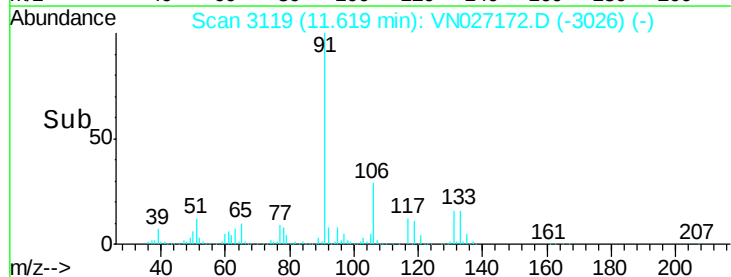
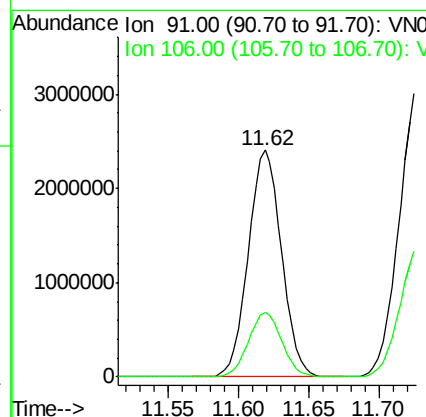
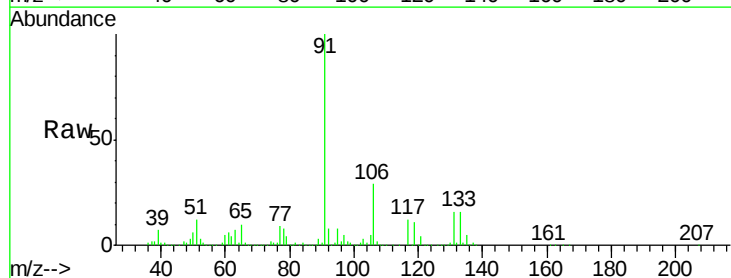
RT: 11.62 min Scan# 3119

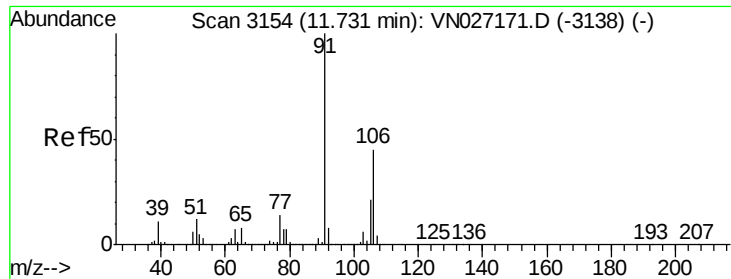
Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3968951		
106	28.6	23.1	34.7	





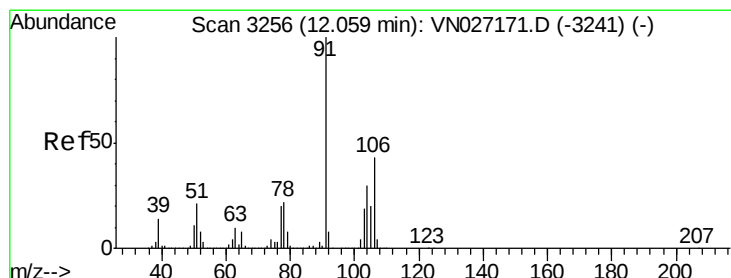
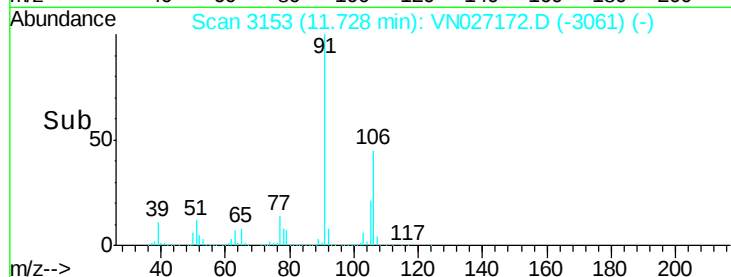
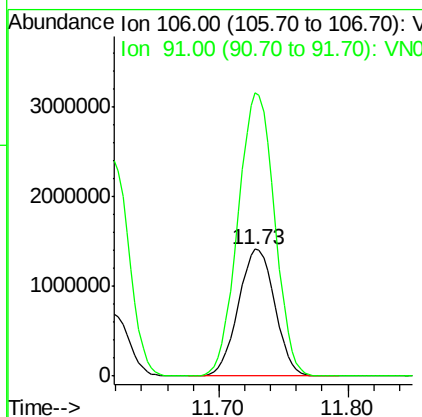
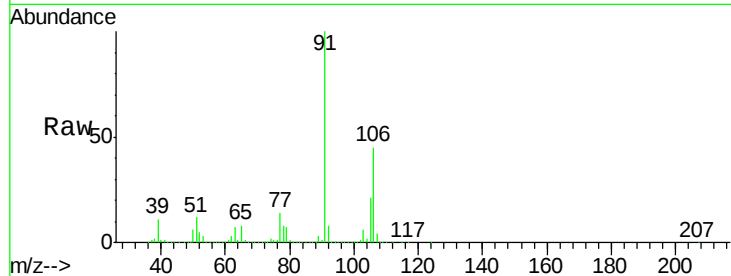
#69
m/p-Xylenes
Concen: 218.96 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2766708
Ion Ratio Lower Upper
106 100
91 224.2 167.1 250.7

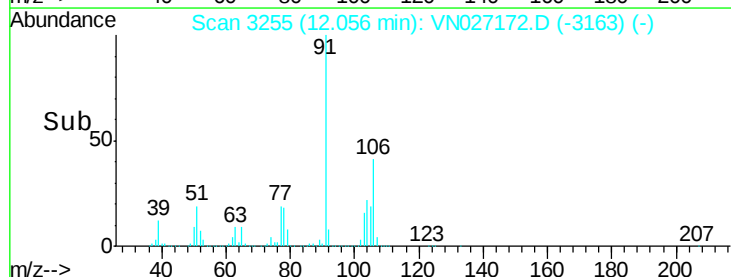
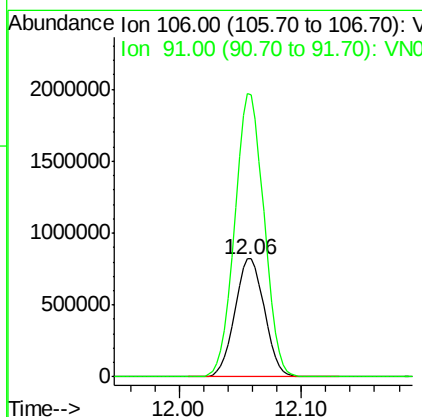
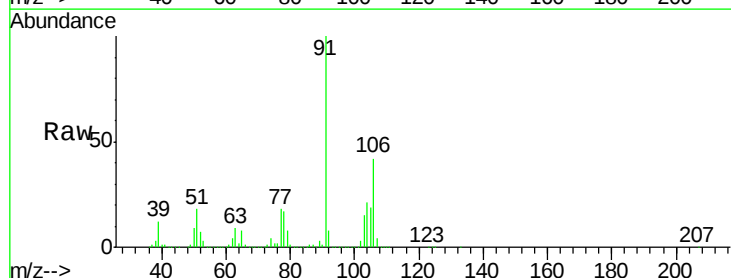
Manual Integrations
APPROVED

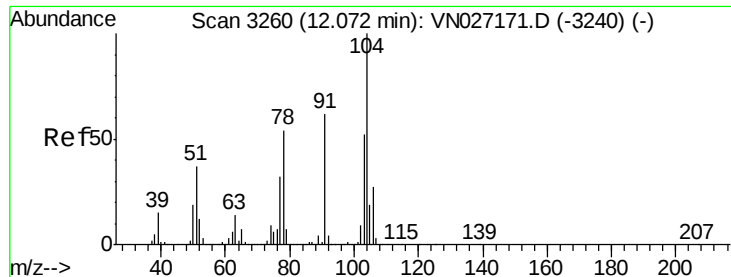
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#70
o-Xylene
Concen: 110.94 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion:106 Resp: 1379552
Ion Ratio Lower Upper
106 100
91 236.5 110.7 331.9





#71

Stvrene

Concen: 115.43 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:104 Resp: 2307365

Ion Ratio Lower Upper

104 100

78 59.7 41.6 62.4

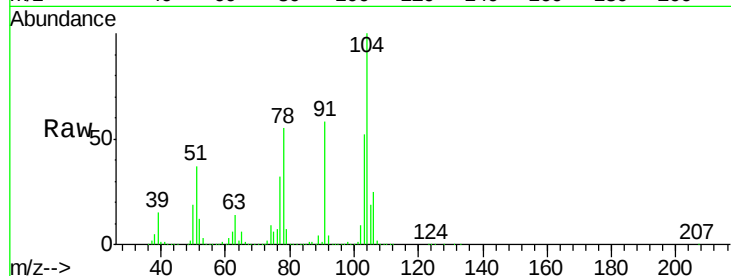
103 55.7 44.2 66.2

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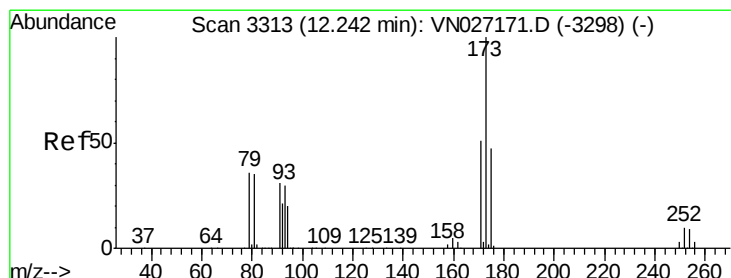
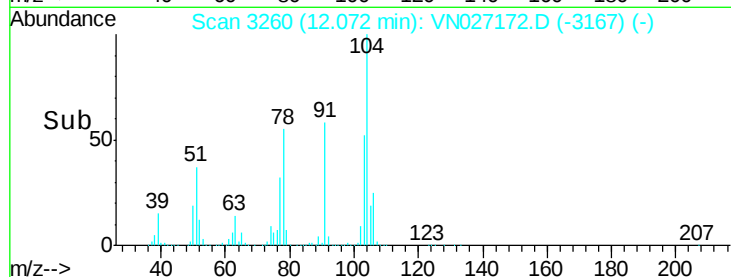
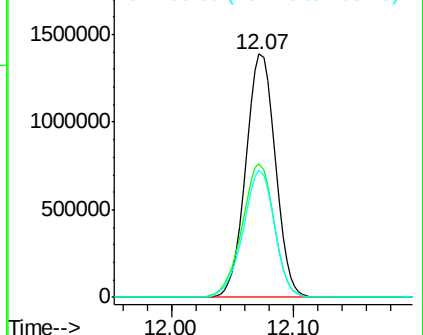
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 104.81 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

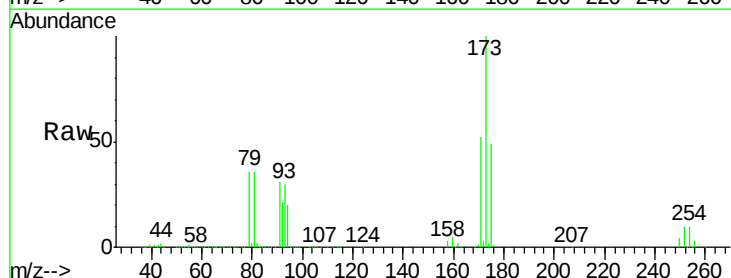
Tgt Ion:173 Resp: 506474

Ion Ratio Lower Upper

173 100

175 49.1 24.4 73.4

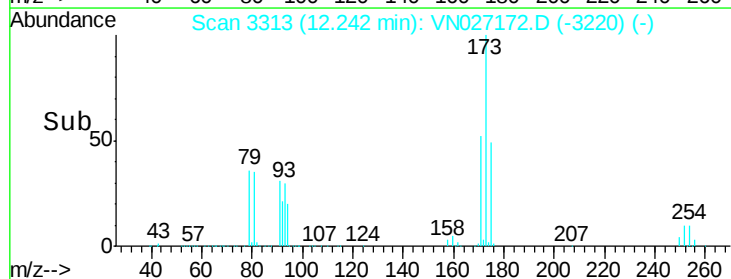
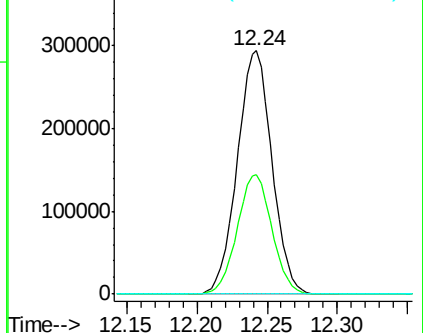
254 0.1 0.1 0.1#

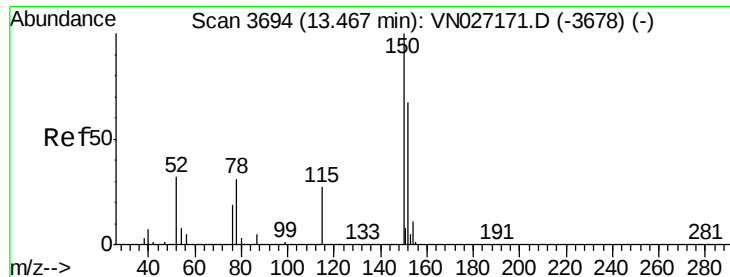


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

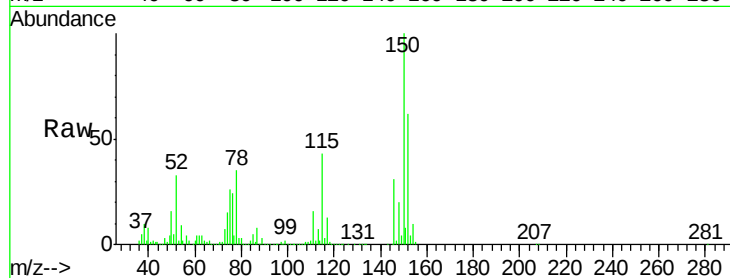
ClientSampleId :

VSTDIC100

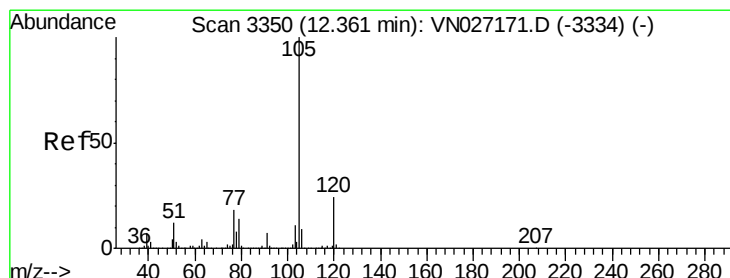
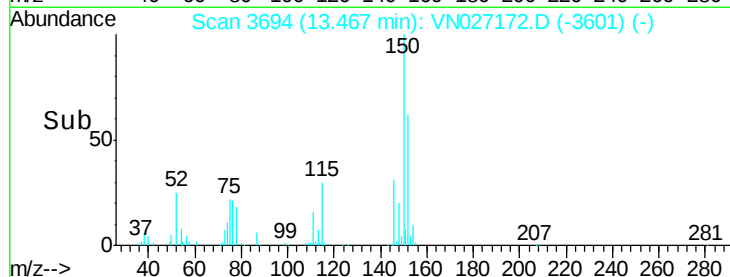
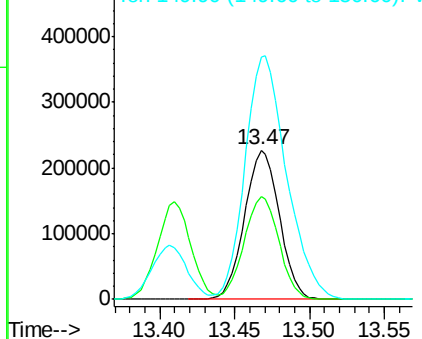
Tot Ion:	152	Resp:	368333
Ion Ratio	Lower	Upper	
152	100		
115	68.4	30.8	92.3
150	193.5	0.0	345.0

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



#74

Isopropylbenzene

Concen: 116.94 ug/l

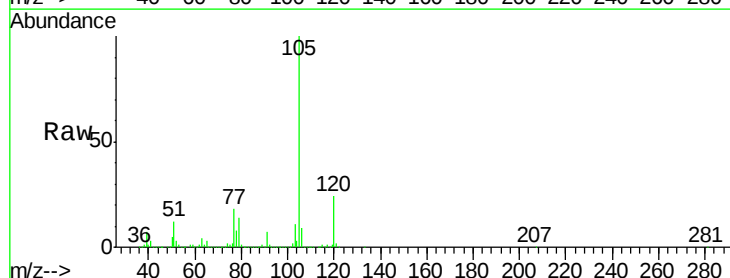
RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

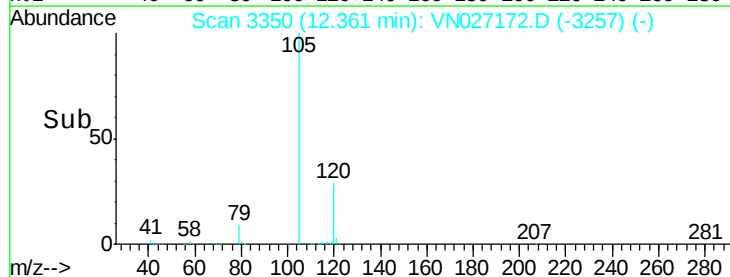
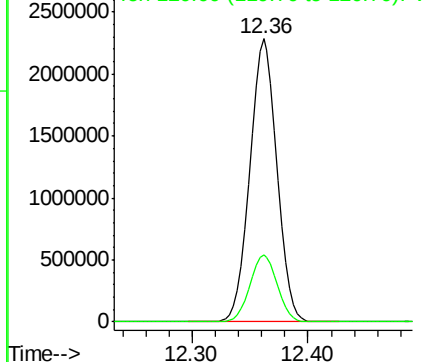
Lab File: VN027172.D

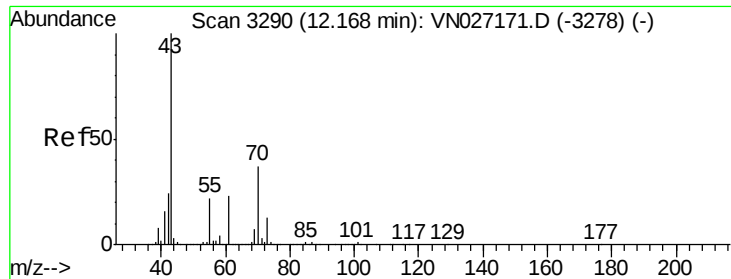
Acq: 15 Sep 2015 17:19

Tgt Ion:	105	Resp:	3716504
Ion Ratio	Lower	Upper	
105	100		
120	23.9	12.4	37.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 175.72 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1709215

Ion Ratio Lower Upper

43 100

70 37.3 29.8 44.8

55 22.7 19.4 29.0

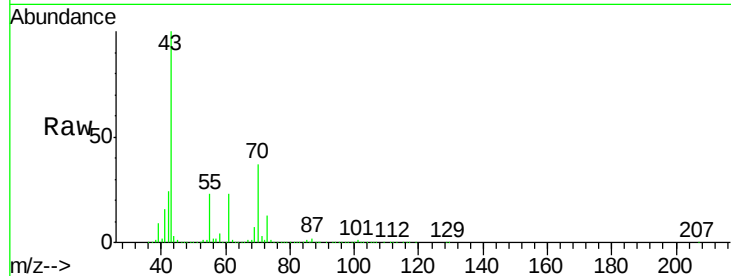
61 23.1 18.2 27.2

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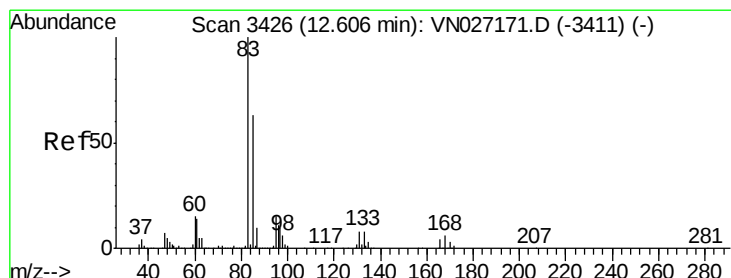
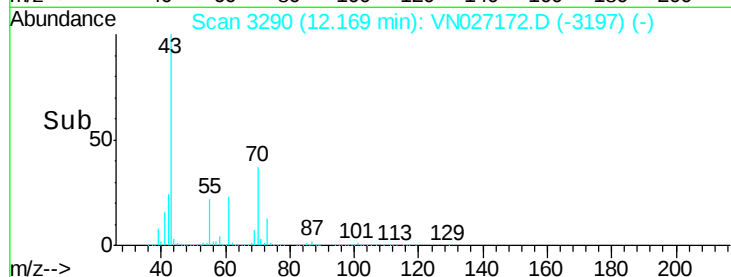
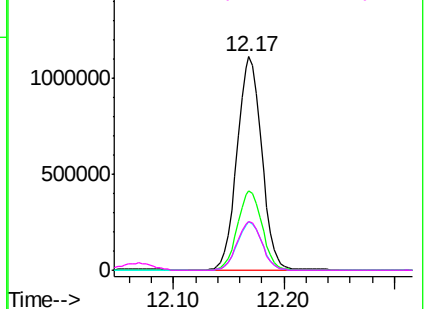


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,1,2,2-Tetrachloroethane

Concen: 121.01 ug/l

RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

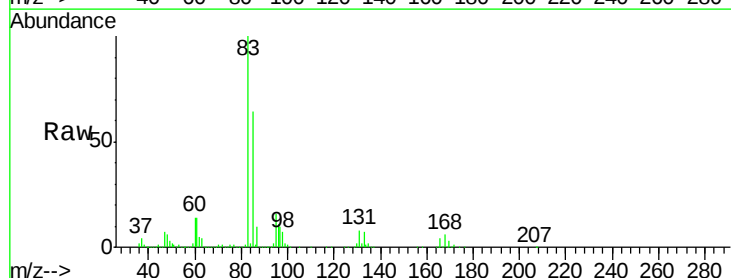
Tgt Ion: 83 Resp: 1043815

Ion Ratio Lower Upper

83 100

131 8.5 4.1 12.3

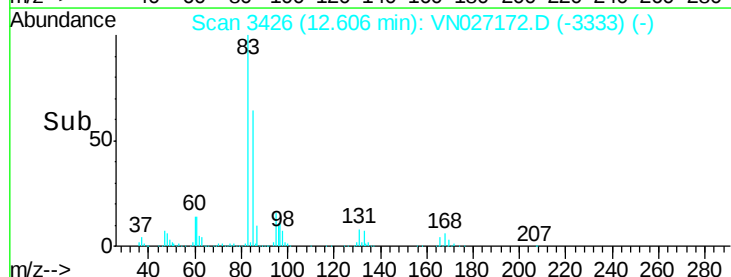
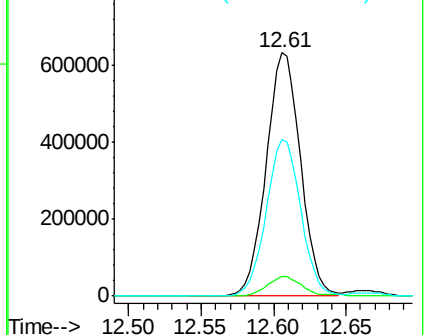
85 64.7 31.9 95.7

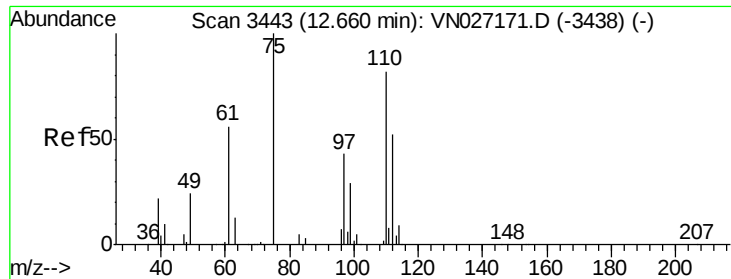


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#77

1,2,3-Trichloropropane

Concen: 134.38 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 979500

Ion Ratio Lower Upper

75 100

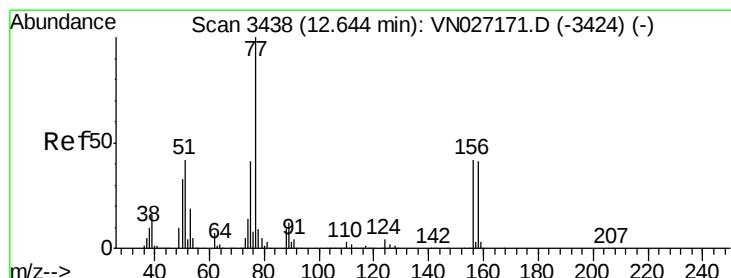
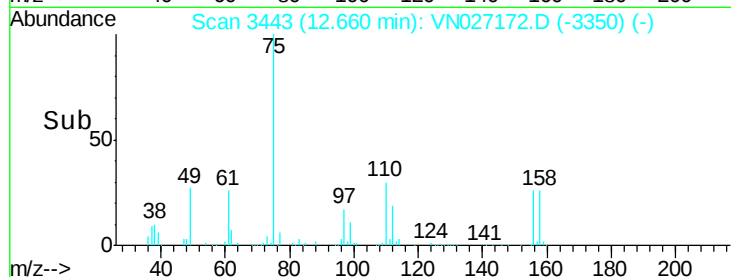
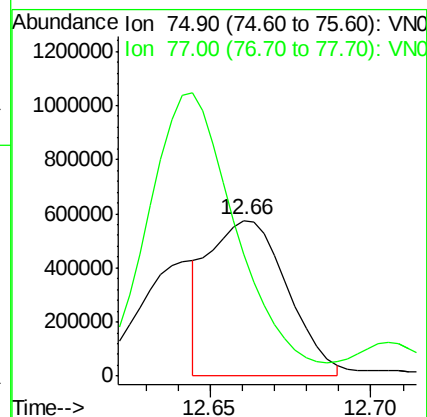
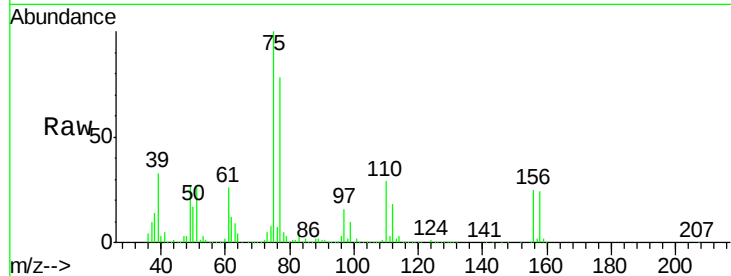
77 204.2 103.1 309.3

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#78

Bromobenzene

Concen: 93.86 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

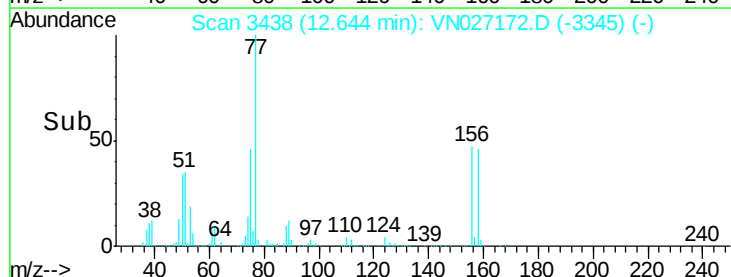
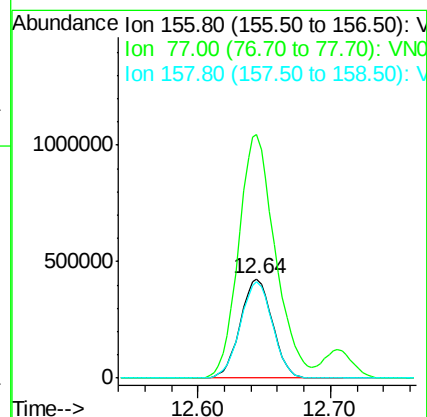
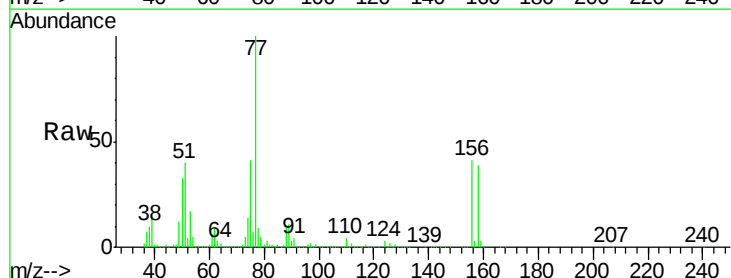
Tgt Ion: 156 Resp: 718848

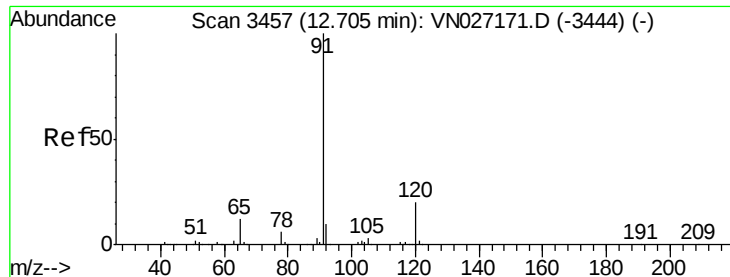
Ion Ratio Lower Upper

156 100

77 278.2 127.3 381.9

158 97.0 48.0 144.2





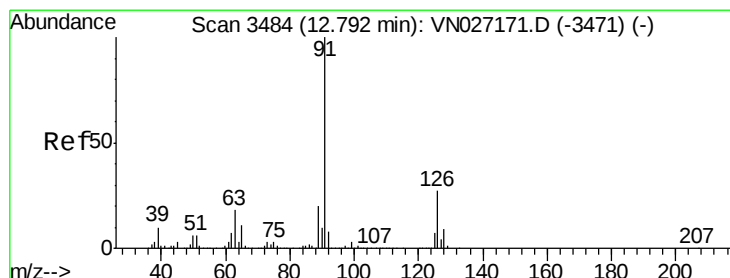
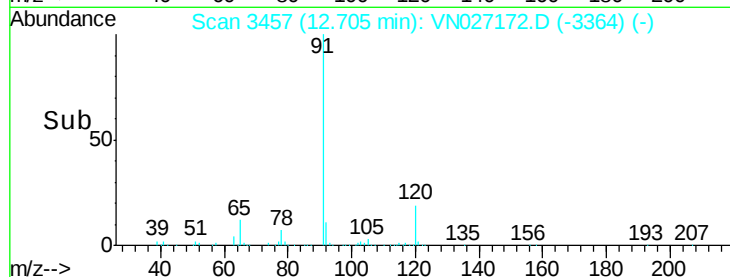
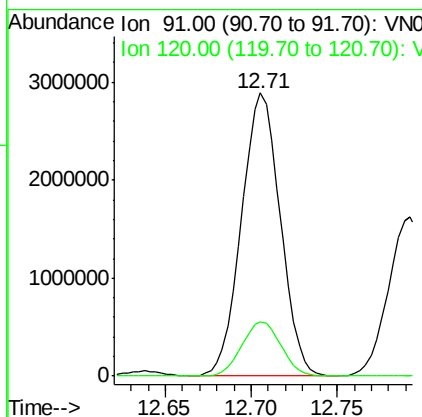
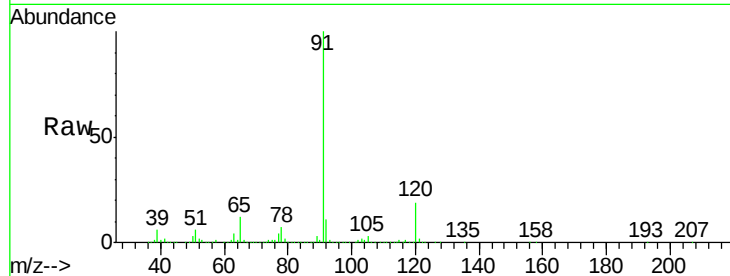
#79
n-propylbenzene
Concen: 129.43 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 4527059
Ion Ratio Lower Upper
91 100
120 19.6 10.3 30.8

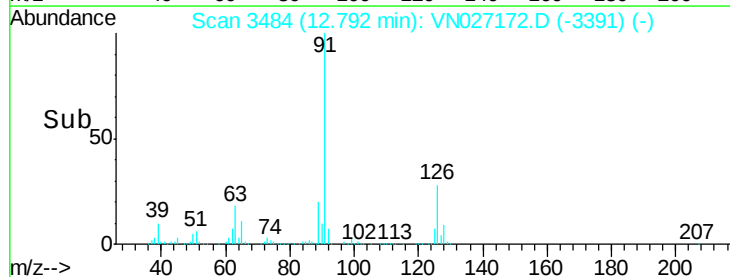
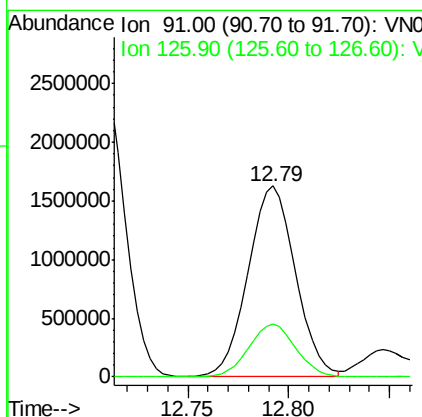
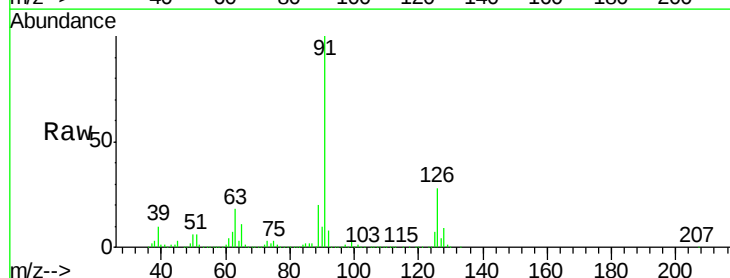
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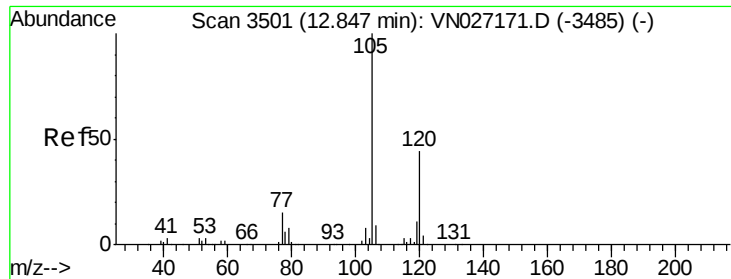
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#80
2-Chlorotoluene
Concen: 122.85 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion: 91 Resp: 2660479
Ion Ratio Lower Upper
91 100
126 27.6 15.2 45.5





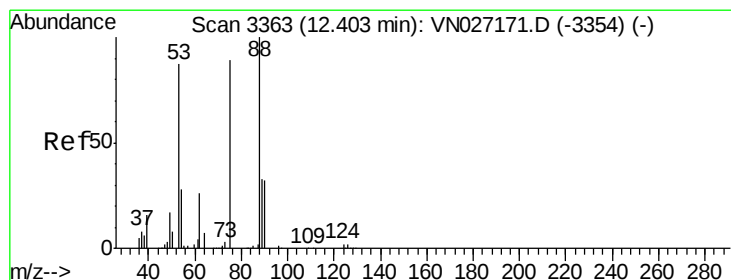
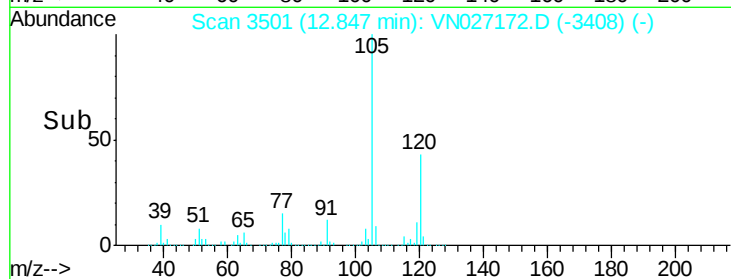
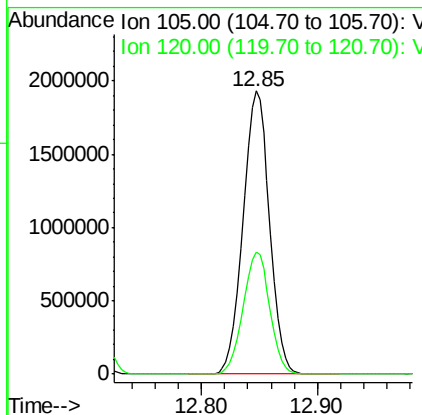
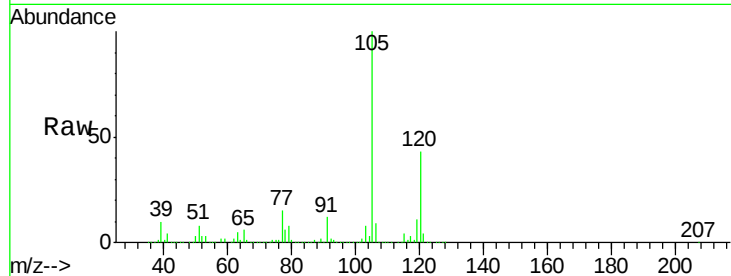
#81
 1,3,5-Trimethylbenzene
 Concen: 126.27 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion:105 Resp: 3048589
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.4 70.0

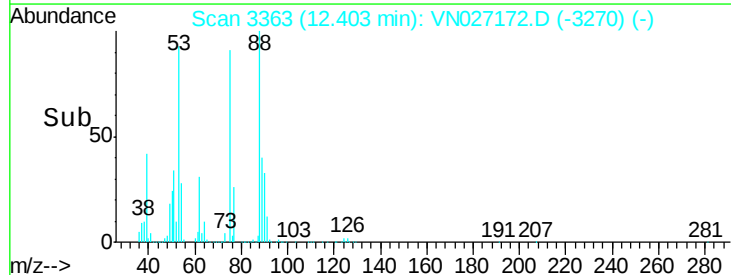
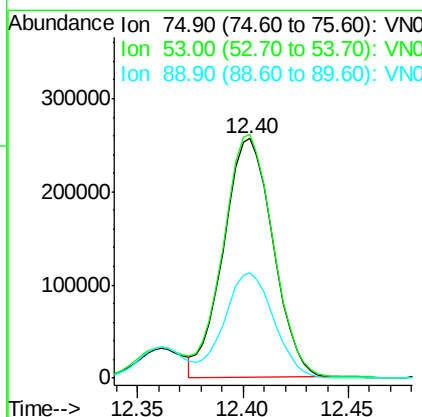
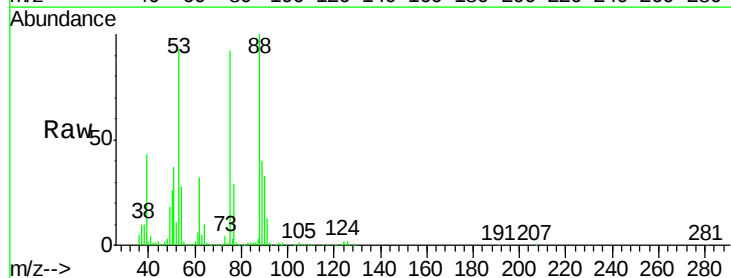
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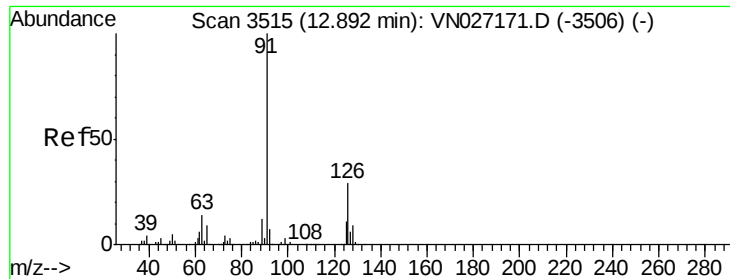
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 162.99 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion: 75 Resp: 417550
 Ion Ratio Lower Upper
 75 100
 53 102.9 92.9 139.3
 89 44.3 34.2 51.4





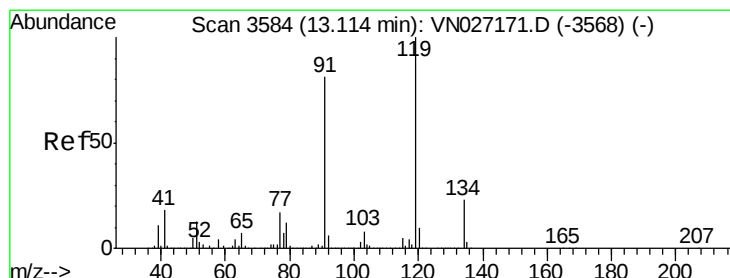
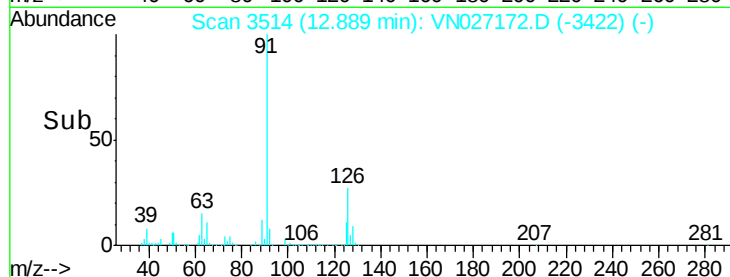
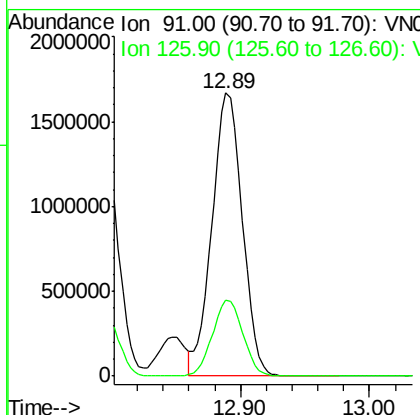
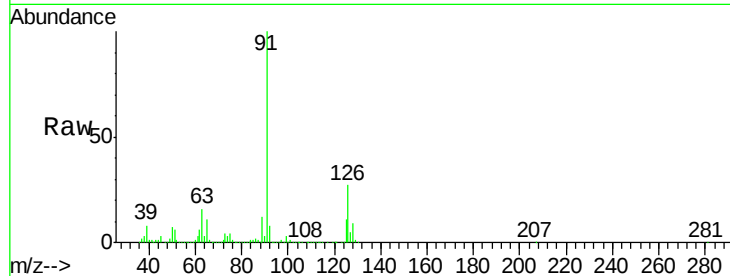
#83
4-Chlorotoluene
Concen: 129.71 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2717311
Ion Ratio Lower Upper
91 100
126 26.9 14.9 44.5

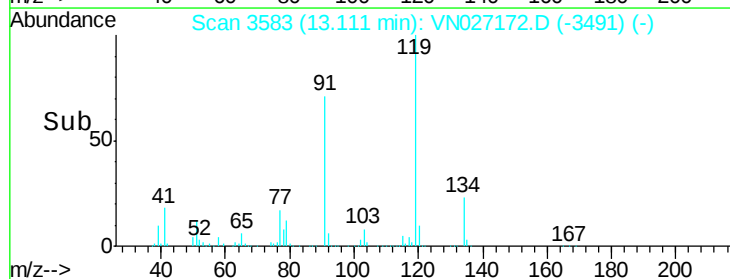
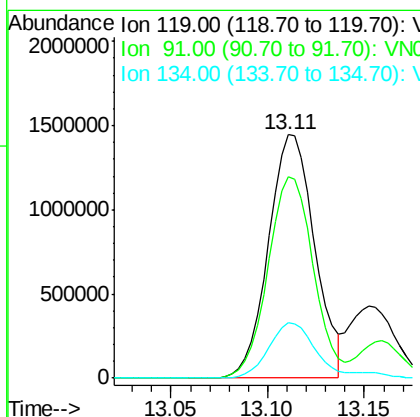
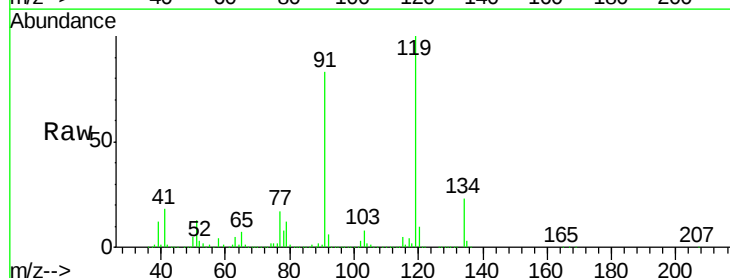
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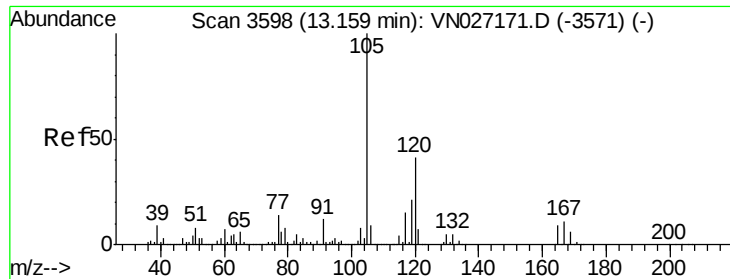
MMDadoda
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#84
tert-Butylbenzene
Concen: 111.17 ug/l
RT: 13.11 min Scan# 3583
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion: 119 Resp: 2403142
Ion Ratio Lower Upper
119 100
91 81.1 34.6 103.8
134 22.7 11.4 34.2





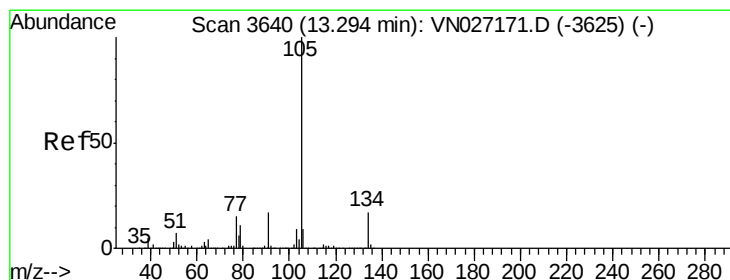
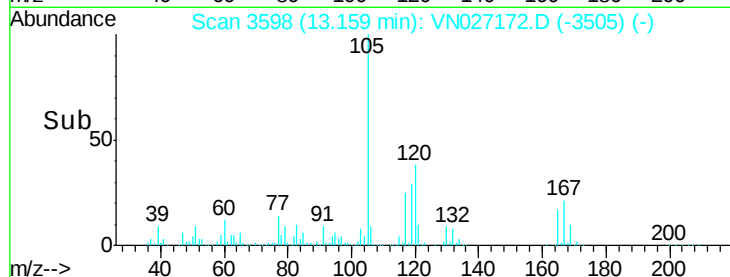
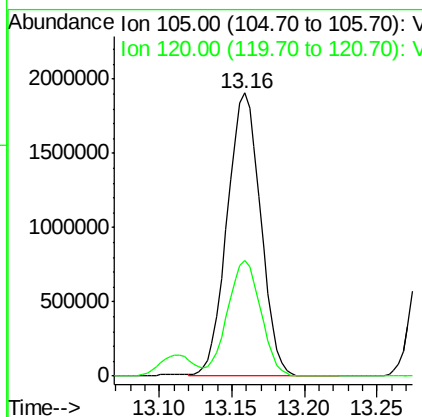
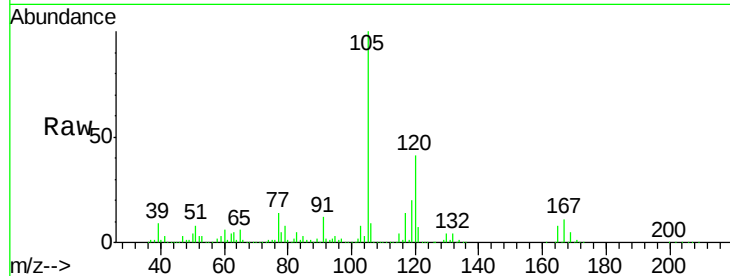
#85
1,2,4-Trimethylbenzene
Concen: 125.17 ug/l
RT: 13.16 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 3047230
Ion Ratio Lower Upper
105 100
120 40.7 21.9 65.5

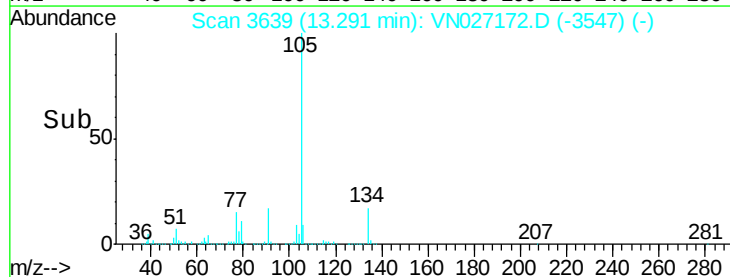
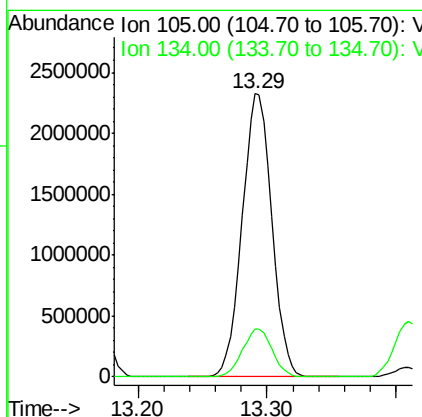
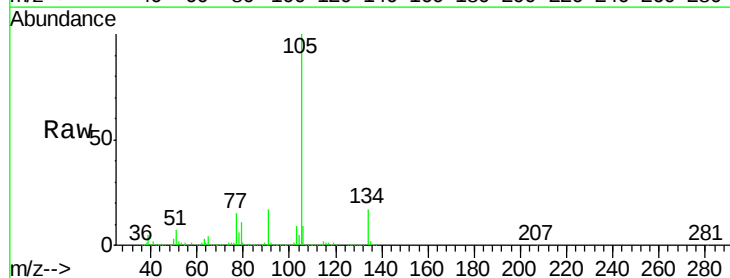
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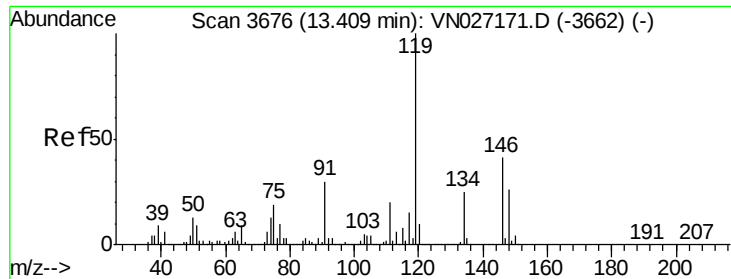
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#86
sec-Butylbenzene
Concen: 124.48 ug/l
RT: 13.29 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion:105 Resp: 3714912
Ion Ratio Lower Upper
105 100
134 17.0 8.8 26.4





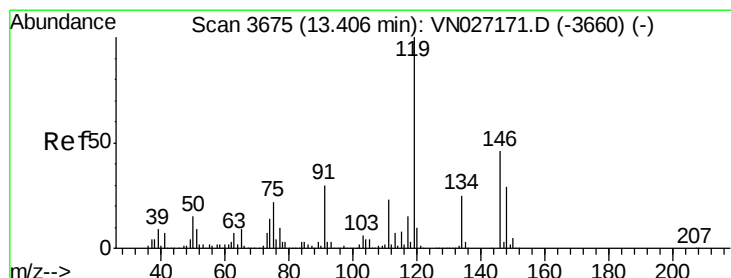
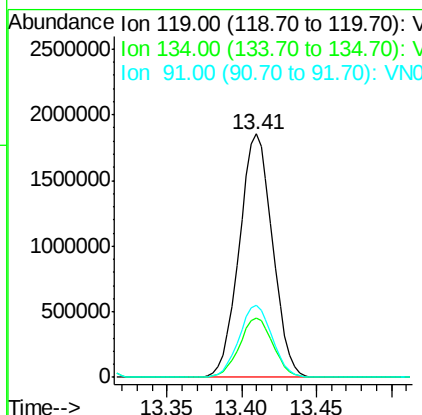
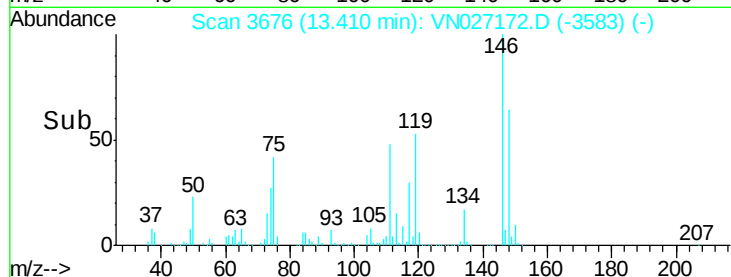
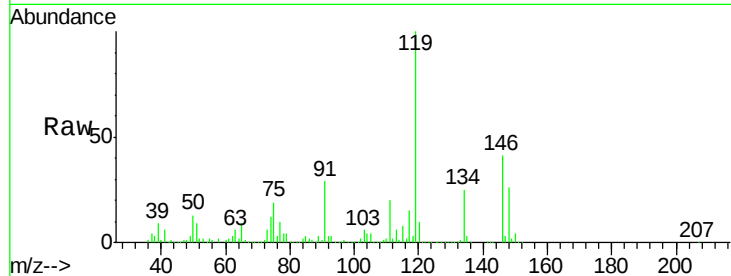
#87
p-Isopropyltoluene
Concen: 117.75 ug/l
RT: 13.41 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.4	37.0
91	29.5	12.0	36.1

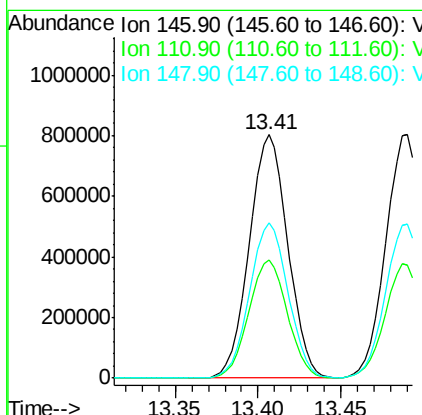
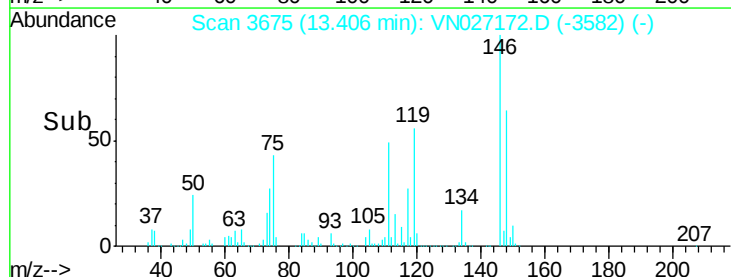
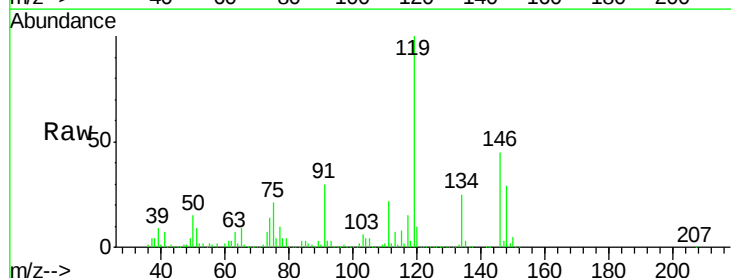
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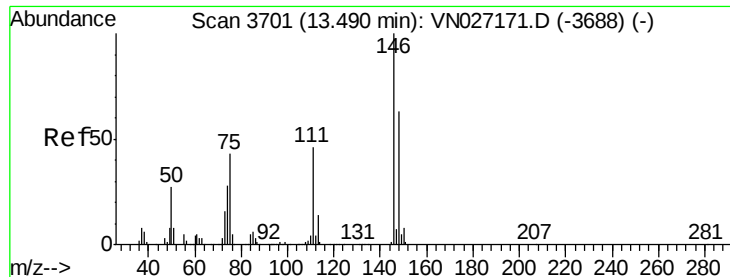
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#88
1,3-Dichlorobenzene
Concen: 97.89 ug/l
RT: 13.41 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN027172.D
Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.7	21.0	63.0
148	63.8	31.9	95.9





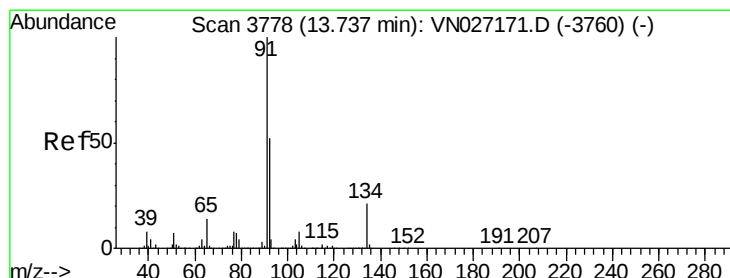
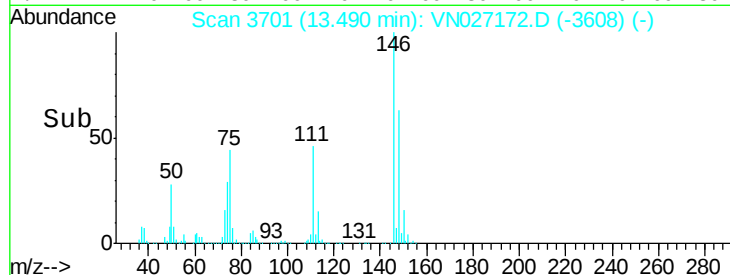
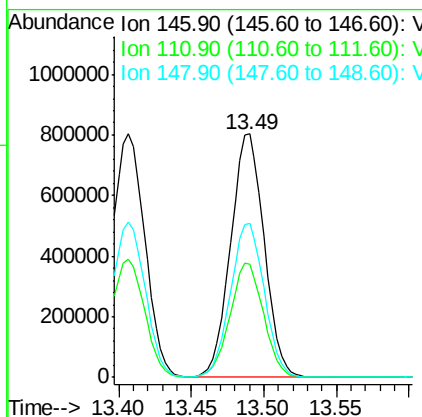
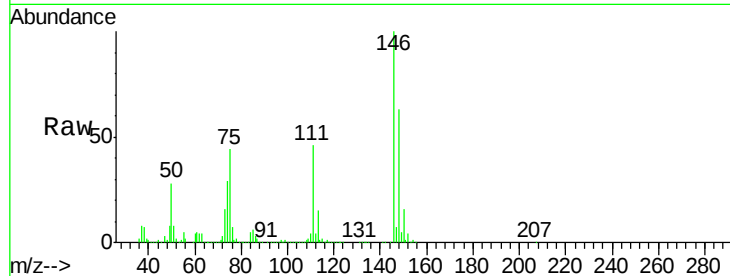
#89
 1,4-Dichlorobenzene
 Concen: 96.63 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.6	19.9	59.6
148	63.9	31.7	95.1

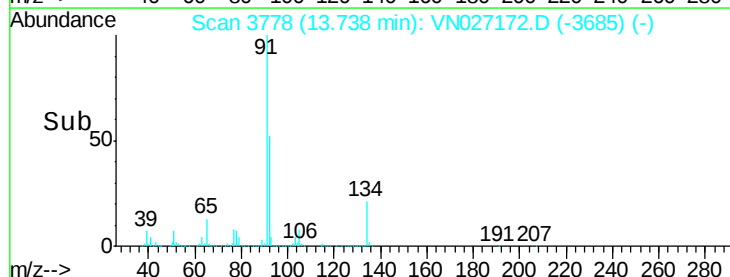
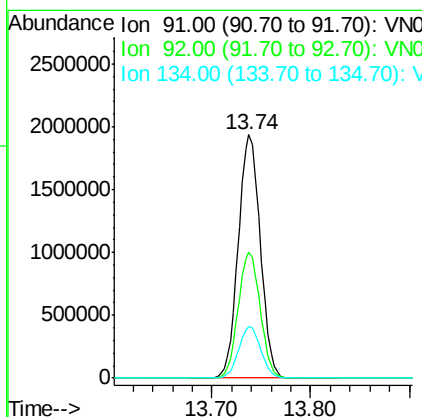
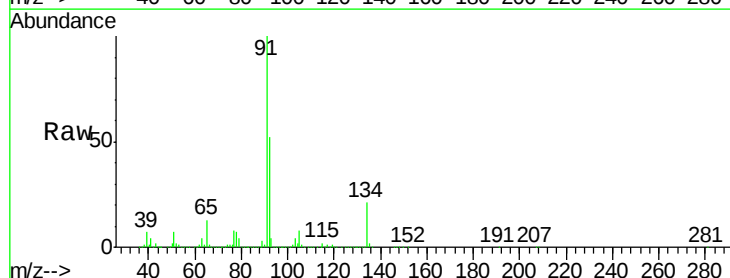
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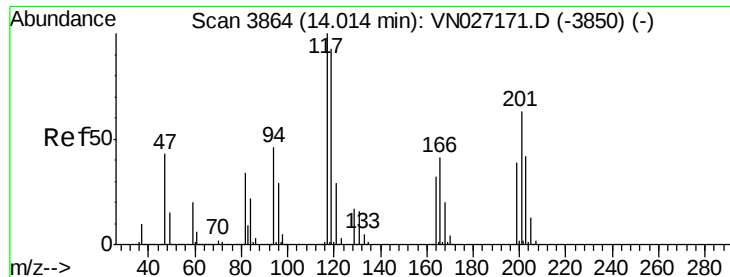
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#90
 n-Butylbenzene
 Concen: 141.58 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.1	78.2
134	21.1	11.1	33.1





#91

Hexachloroethane

Concen: 123.52 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:117 Resp: 598009

Ion Ratio Lower Upper

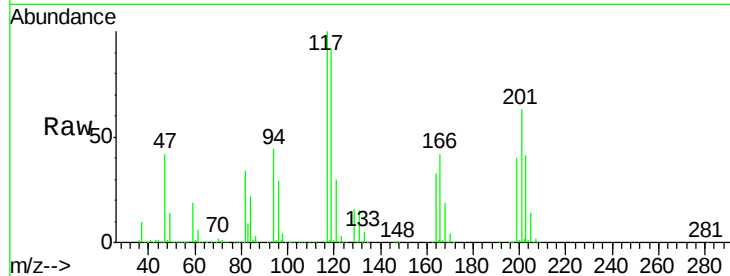
117 100

201 63.5 34.9 104.7

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.01

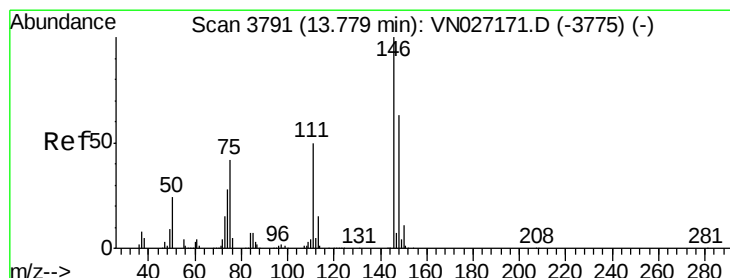
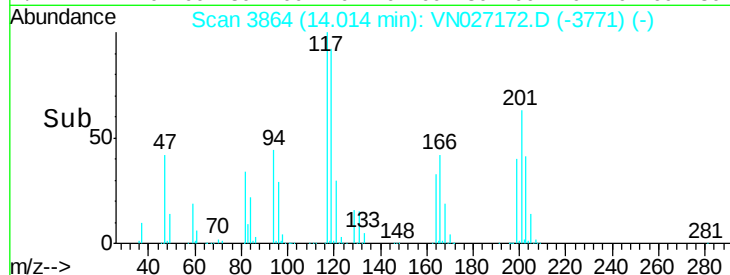
300000

200000

100000

0

Time--> 13.90 14.00



#92

1,2-Dichlorobenzene

Concen: 97.05 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

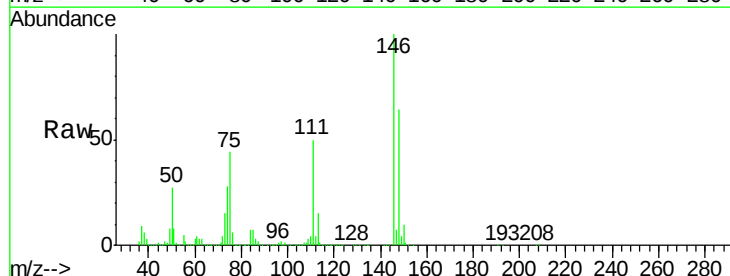
Tgt Ion:146 Resp: 1268539

Ion Ratio Lower Upper

146 100

111 49.8 22.1 66.3

148 63.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.78

800000

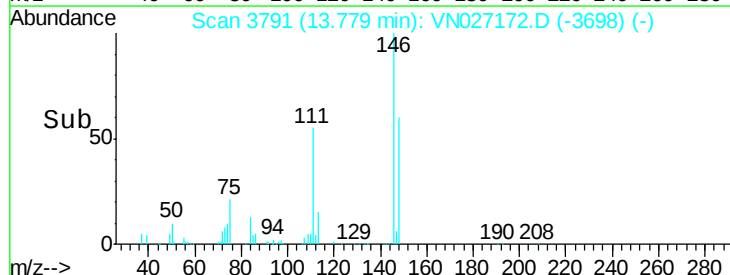
600000

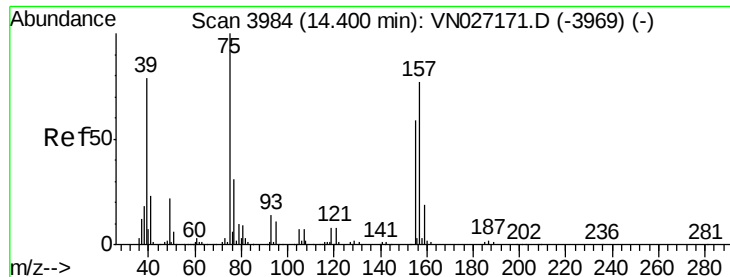
400000

200000

0

Time--> 13.70 13.80





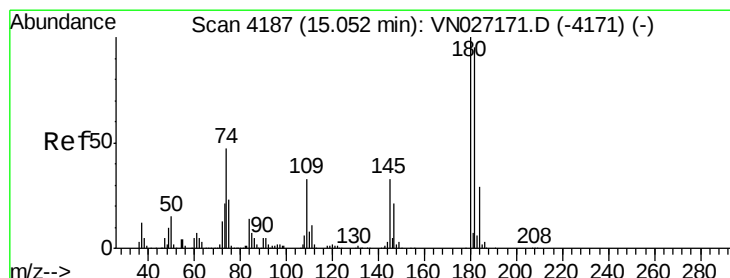
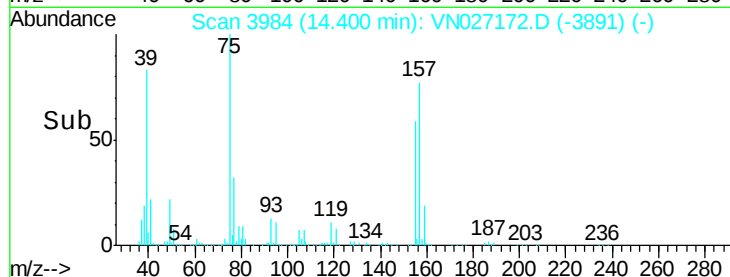
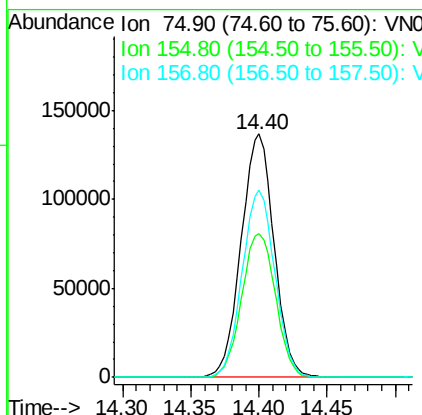
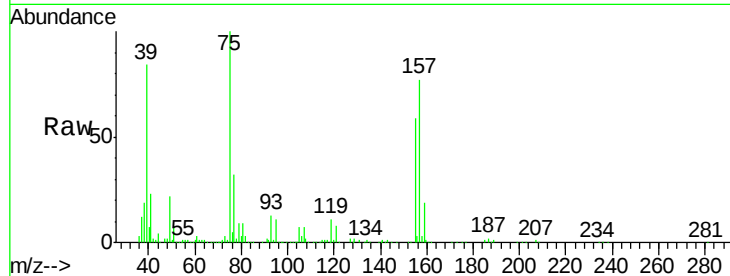
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 177.39 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
155	61.1	35.6	106.9
157	76.9	44.6	133.8

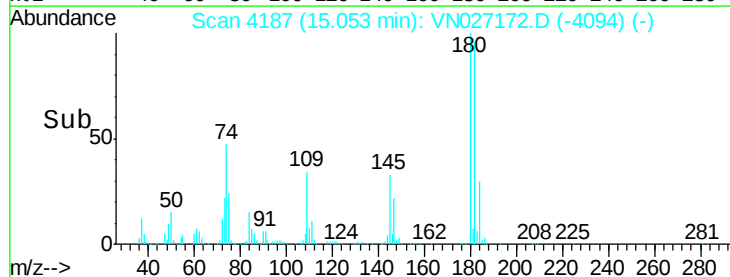
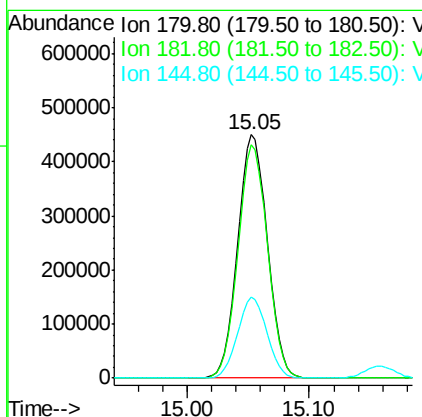
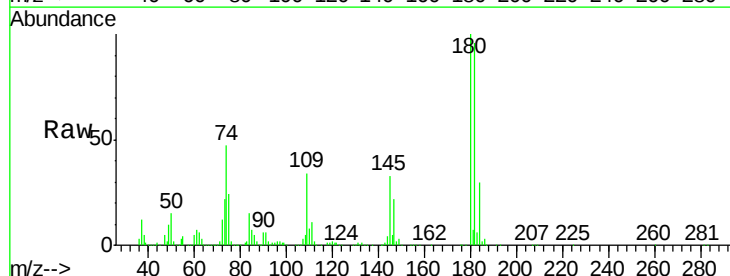
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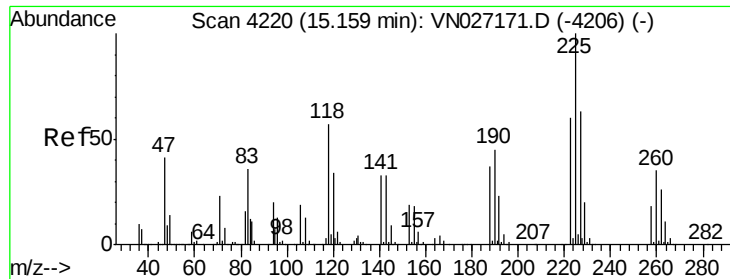
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#94
 1,2,4-Trichlorobenzene
 Concen: 114.20 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	33.0	15.1	45.3





#95

Hexachlorobutadiene

Concen: 99.76 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Instrument :

MSVOA_N

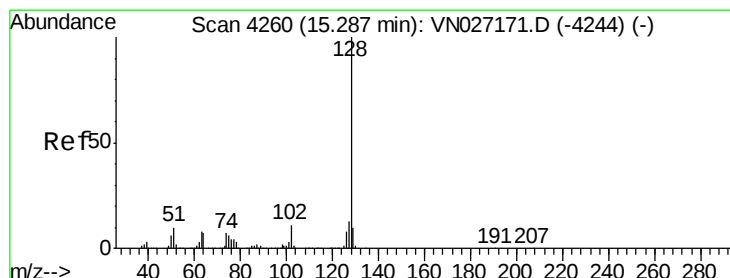
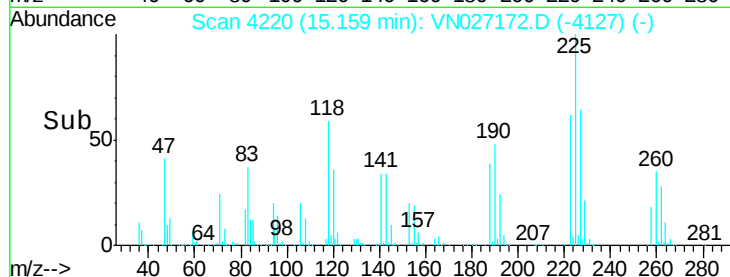
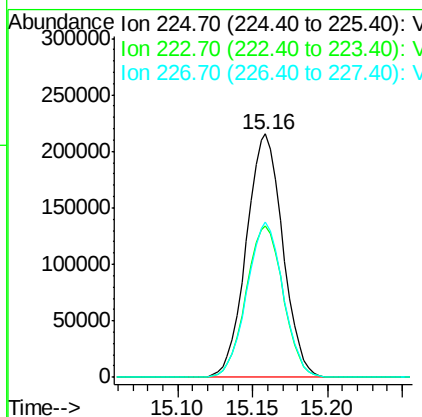
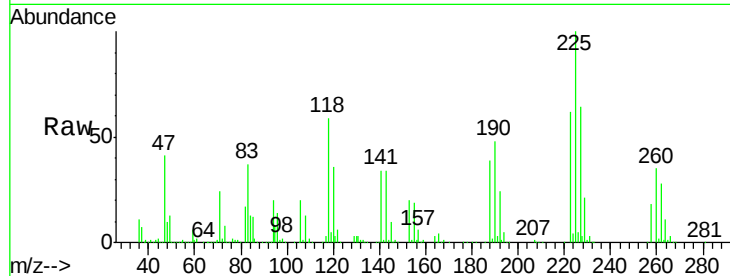
ClientSampleId :

VSTDIC100

Tot Ion:	225	Resp:	364859
Ion Ratio		Lower	Upper
225	100		
223	63.3	30.8	92.3
227	63.4	31.7	95.1

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#96

Naphthalene

Concen: 145.68 ug/l

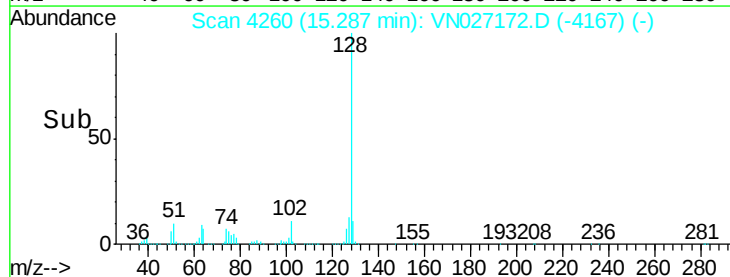
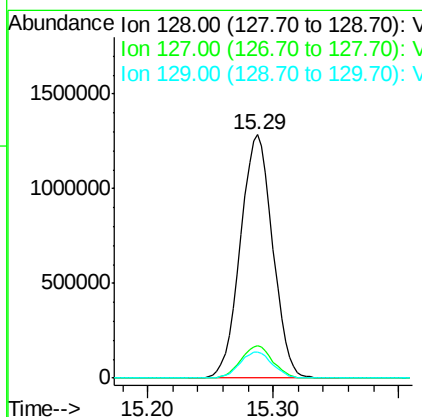
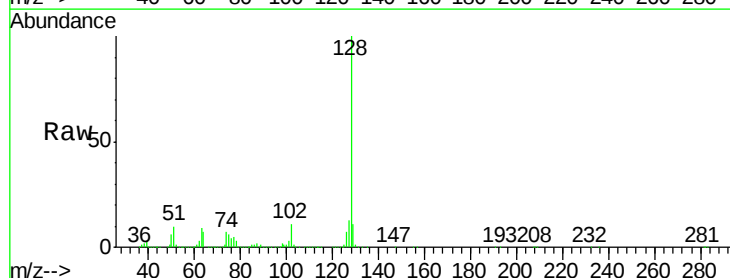
RT: 15.29 min Scan# 4260

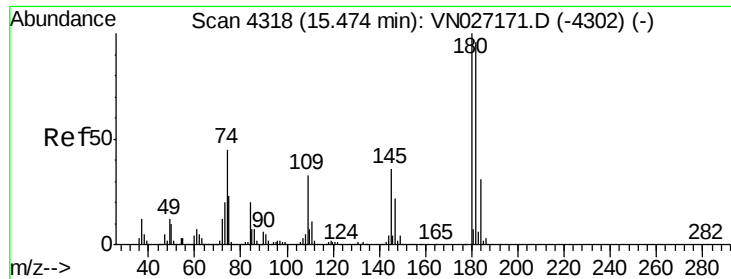
Delta R.T. 0.00 min

Lab File: VN027172.D

Acq: 15 Sep 2015 17:19

Tgt Ion:	128	Resp:	2300342
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 112.52 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027172.D
 Acq: 15 Sep 2015 17:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	96.0	48.8	146.4
145	35.3	16.6	49.8

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