

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027270.D
 Acq On : 17 Sep 2015 23:02
 Operator : MD\FY
 Sample : VN0917WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:57 PM

Quant Time: Sep 18 06:58:29 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	513062	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	992281	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	840617	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	308016	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	533417	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
36) Dibromofluoromethane	7.68	113	338876	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
51) Toluene-d8	10.19	98	1303410	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
63) 4-Bromofluorobenzene	12.52	95	450117	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	118052	19.23	ug/l	96
3) Chlorodifluoromethane	1.82	51	143640	20.22	ug/l	93
4) Chloromethane	2.01	50	137555	20.67	ug/l	98
5) Vinyl Chloride	2.14	62	152366	21.01	ug/l	97
6) Bromomethane	2.54	94	65609	19.44	ug/l	97
7) Chloroethane	2.69	64	97020	19.69	ug/l	99
8) Trichlorofluoromethane	3.02	101	225570	20.60	ug/l	98
9) Diethyl Ether	3.42	74	100980	20.04	ug/l	88
10) 1,1,2-Trichlorotrifluoroet	3.79	101	134723	19.58	ug/l	97
11) Methyl Iodide	3.99	142	104420	15.62	ug/l	91
12) Tert butyl alcohol	4.80	59	91908	89.41	ug/l	95
13) 1,1-Dichloroethene	3.77	96	133070	20.20	ug/l	100
14) Acrolein	3.62	56	107908	89.36	ug/l	98
15) Allyl chloride	4.37	41	254152	19.10	ug/l #	84
16) Acrylonitrile	5.03	53	337083	100.28	ug/l	99
17) Acetone	3.83	43	267196	94.27	ug/l	94
18) Carbon Disulfide	4.11	76	395856	18.45	ug/l	99
19) Methyl Acetate	4.36	43	414642	20.20	ug/l	96
20) Methyl tert-butyl Ether	5.12	73	538430	20.36	ug/l	97
21) Methylene Chloride	4.60	84	160453	20.32	ug/l	94
22) trans-1,2-Dichloroethene	5.13	96	142077	19.94	ug/l	97
23) Diisopropyl ether	6.04	45	564667	20.23	ug/l #	85
24) Vinyl Acetate	5.98	43	892995m	96.65	ug/l	
25) 1,1-Dichloroethane	5.93	63	325119	20.05	ug/l	99
26) 2-Butanone	6.92	43	420771	98.59	ug/l	95
27) 2,2-Dichloropropane	6.92	77	241359	17.15	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	171993	21.05	ug/l	99
29) Bromochloromethane	7.29	49	138170	21.95	ug/l	98
30) Tetrahydrofuran	7.32	42	277418	94.31	ug/l	90
31) Chloroform	7.46	83	308910	21.08	ug/l	97
32) Cyclohexane	7.77	56	306464	20.68	ug/l	92
33) 1,1,1-Trichloroethane	7.67	97	270574	20.71	ug/l	96
37) 1,1-Dichloropropene	7.89	75	229549	19.76	ug/l	98
38) Ethyl Acetate	7.02	43	188387	18.40	ug/l	97

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027270.D
 Acq On : 17 Sep 2015 23:02
 Operator : MD\FY
 Sample : VN0917WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:57 PM

Quant Time: Sep 18 06:58:29 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	213593	19.56	ug/l	98
40) Methylcyclohexane	9.19	83	270822	19.15	ug/l	96
41) Benzene	8.14	78	669484	19.75	ug/l	98
42) Methacrylonitrile	7.24	41	109139	19.44	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	270763	19.83	ug/l	96
44) Isopropyl Acetate	8.25	43	355293	19.14	ug/l	98
45) Trichloroethene	8.94	130	133332	19.59	ug/l	93
46) 1,2-Dichloropropane	9.21	63	190006	19.49	ug/l	97
47) Dibromomethane	9.31	93	111358	19.45	ug/l	94
48) Bromodichloromethane	9.49	83	237408	19.68	ug/l	97
49) Methyl methacrylate	9.29	41	173067	18.71	ug/l #	89
50) 1,4-Dioxane	9.30	88	40380	372.29	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	953843	97.19	ug/l	100
53) Toluene	10.26	92	397616	20.03	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	247147	18.24	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	268768	18.23	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	153258	20.54	ug/l	98
57) Ethyl methacrylate	10.52	69	239192	19.02	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	275217	19.87	ug/l	96
59) 2-Chloroethyl Vinyl ether	9.78	63	551485	95.53	ug/l	97
60) 2-Hexanone	10.84	43	633596	94.82	ug/l	100
61) Dibromochloromethane	11.00	129	144047	18.91	ug/l	99
62) 1,2-Dibromoethane	11.11	107	142634	19.45	ug/l	99
65) Tetrachloroethene	10.74	164	107831	20.06	ug/l	95
66) Chlorobenzene	11.54	112	390745	19.69	ug/l	98
67) 1,1,1,2-Tetrachloroethane	11.62	131	134600	19.88	ug/l	98
68) Ethyl Benzene	11.62	91	745542	19.81	ug/l	99
69) m/p-Xylenes	11.73	106	505928	38.97	ug/l	91
70) o-Xylene	12.06	106	253852	19.50	ug/l	91
71) Styrene	12.08	104	412158	19.62	ug/l	95
72) Bromoform	12.24	173	88634	18.83	ug/l #	99
74) Isopropylbenzene	12.36	105	685199	20.19	ug/l	99
75) N-amyl acetate	12.17	43	286257	18.90	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	203408	21.23	ug/l	100
77) 1,2,3-Trichloropropane	12.66	75	175927m	18.90	ug/l	
78) Bromobenzene	12.64	156	131772	19.80	ug/l	89
79) n-propylbenzene	12.71	91	801551	20.07	ug/l	99
80) 2-Chlorotoluene	12.79	91	494635	20.63	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	540358	19.82	ug/l	96
82) trans-1,4-Dichloro-2-buten	12.40	75	65669	17.33	ug/l	93
83) 4-Chlorotoluene	12.89	91	469948	19.95	ug/l	97
84) tert-Butylbenzene	13.11	119	454653	20.21	ug/l	91
85) 1,2,4-Trimethylbenzene	13.16	105	553736	20.22	ug/l	95
86) sec-Butylbenzene	13.29	105	657289	19.94	ug/l	99
87) p-Isopropyltoluene	13.41	119	490863	19.34	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	229628	20.16	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	225159	19.52	ug/l	93
90) n-Butylbenzene	13.74	91	466870	18.95	ug/l	99
91) Hexachloroethane	14.01	117	102486	18.45	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	235151	20.89	ug/l	97

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 29 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:57 PM

Quant Time: Sep 18 06:58:29 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	37737	18.60	ug/l	89
94) 1,2,4-Trichlorobenzene	15.05	180	119353	19.63	ug/l	97
95) Hexachlorobutadiene	15.16	225	60800	18.99	ug/l	98
96) Naphthalene	15.29	128	333931	18.73	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	118655	19.63	ug/l	95

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

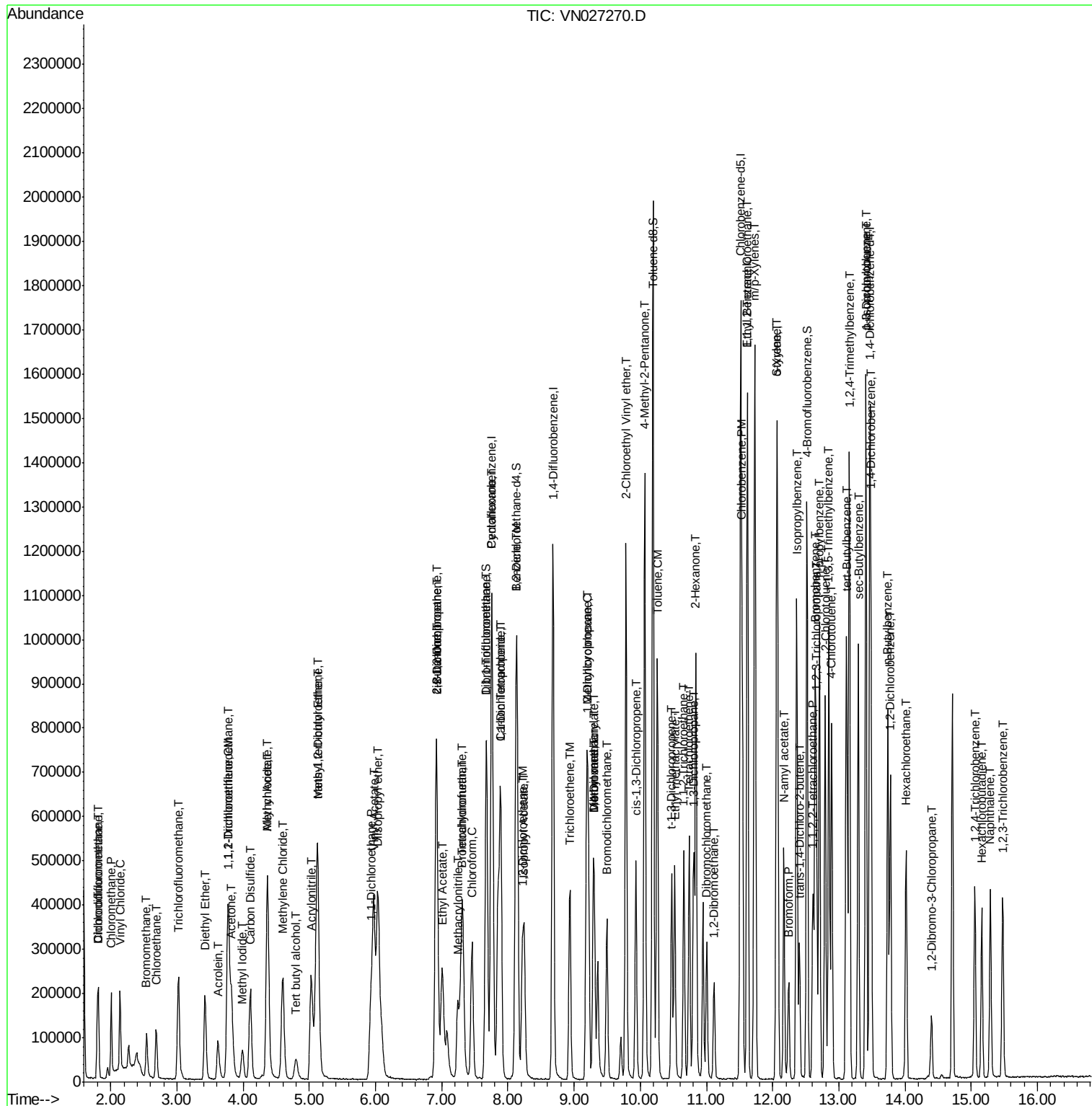
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027270.D
 Acq On : 17 Sep 2015 23:02
 Operator : MD\FY
 Sample : VN0917WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

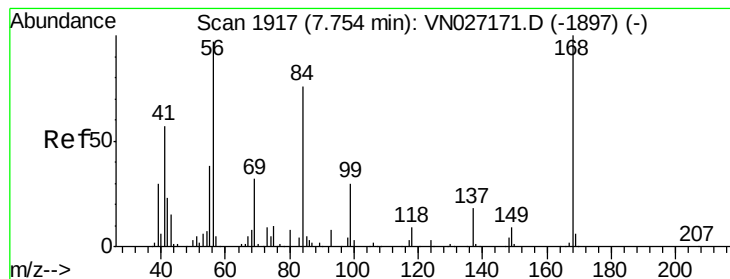
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:57 PM

Quant Time: Sep 18 06:58:29 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion:168 Resp: 513062

Ion Ratio Lower Upper

168 100

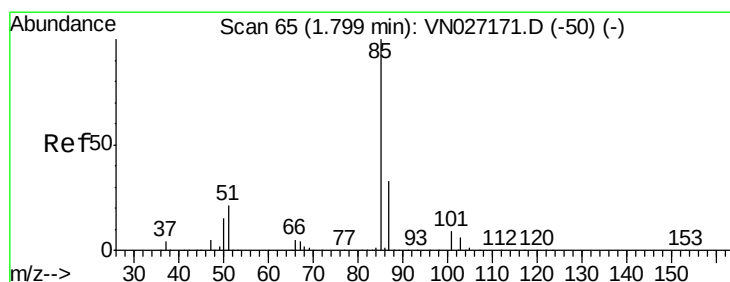
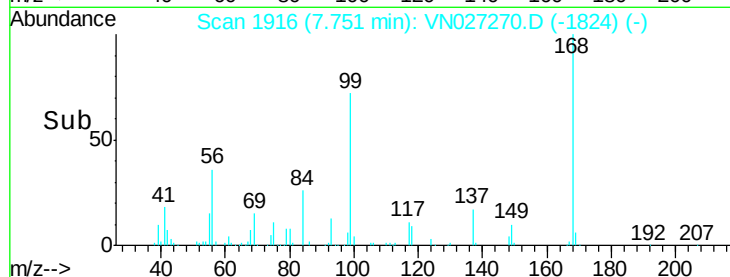
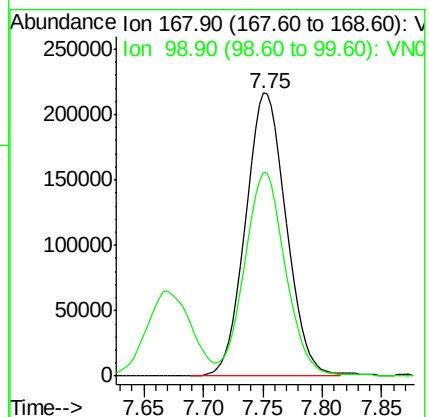
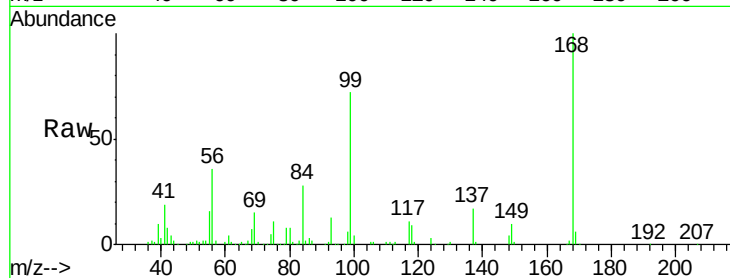
99 71.2 50.4 75.6

Manual Integrations

APPROVED

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#2

Dichlorodifluoromethane

Concen: 19.23 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027270.D

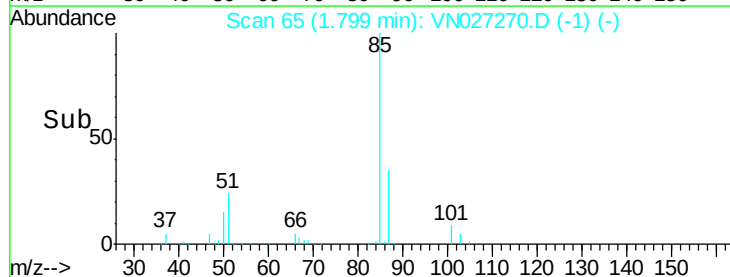
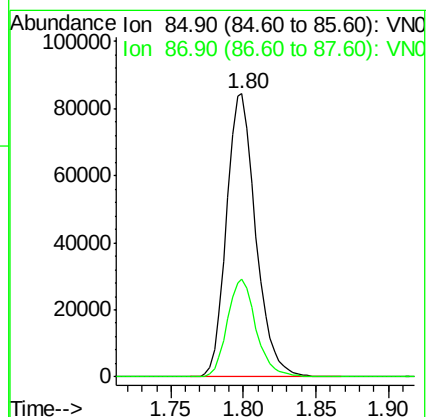
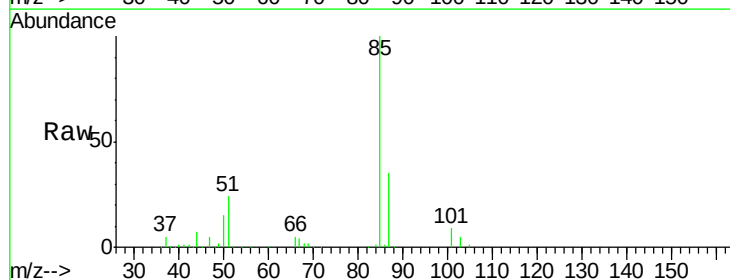
Acq: 17 Sep 2015 23:02

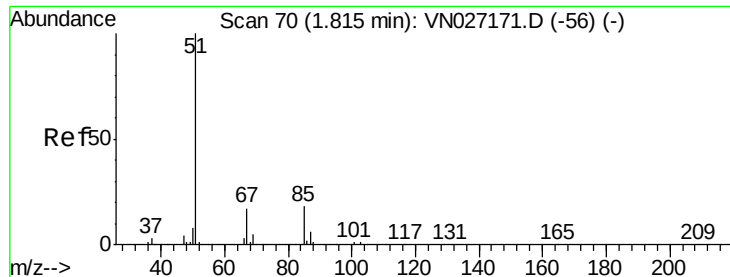
Tgt Ion: 85 Resp: 118052

Ion Ratio Lower Upper

85 100

87 34.5 16.3 48.8





#3

Chlorodifluoromethane

Concen: 20.22 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion: 51 Resp: 143640

Ion Ratio Lower Upper

51 100

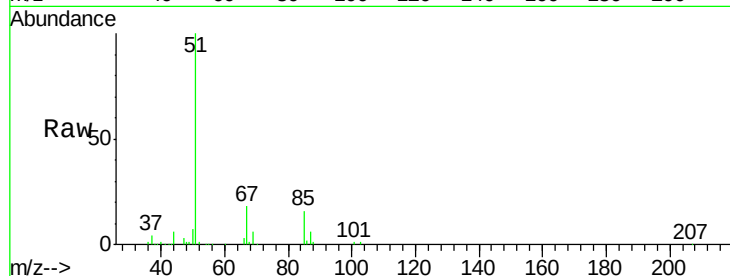
67 18.0 12.2 18.2

Manual Integrations

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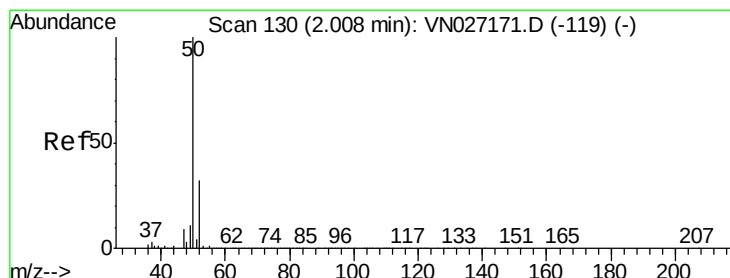
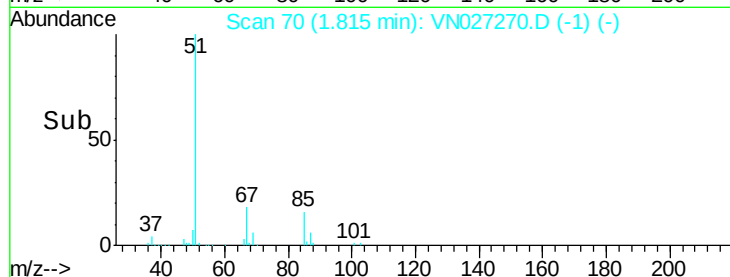
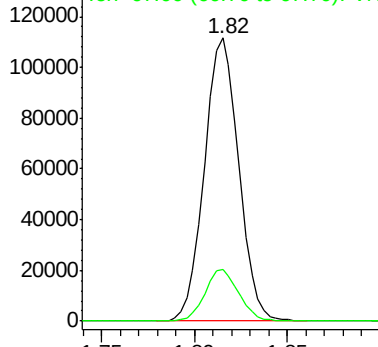
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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 20.67 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027270.D

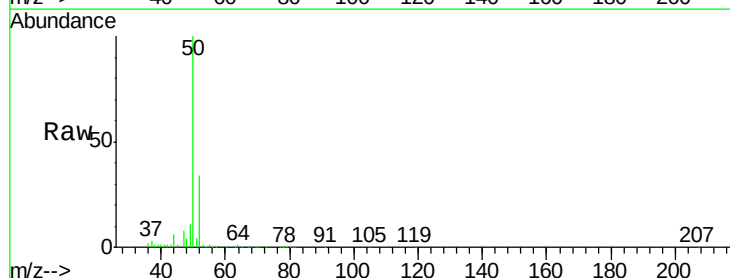
Acq: 17 Sep 2015 23:02

Tgt Ion: 50 Resp: 137555

Ion Ratio Lower Upper

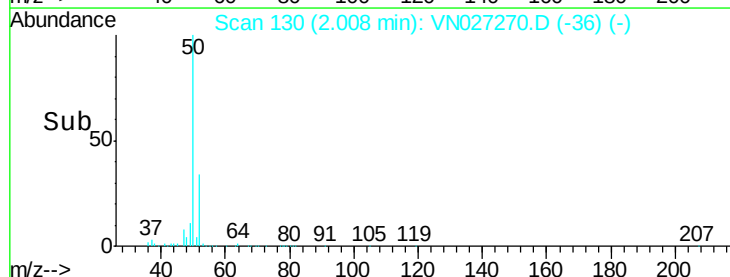
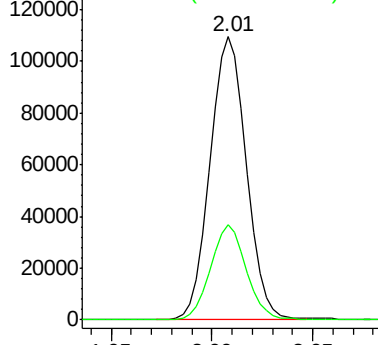
50 100

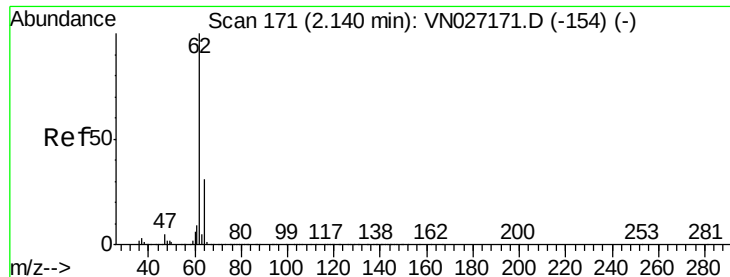
52 33.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 21.01 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion: 62 Resp: 152366

Ion Ratio Lower Upper

62 100

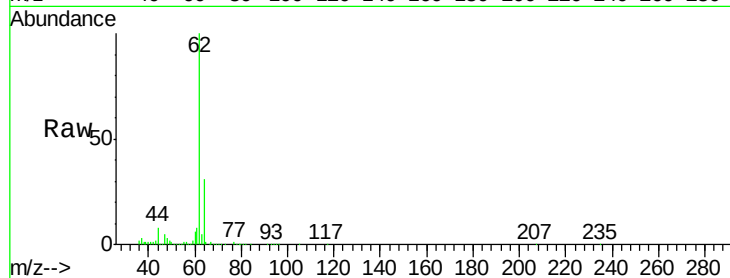
64 30.8 25.9 38.9

Manual Integrations

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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

120000

100000

80000

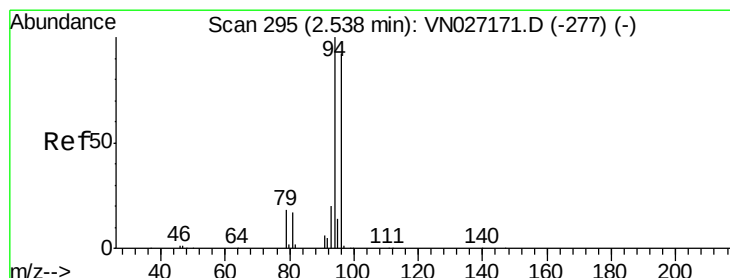
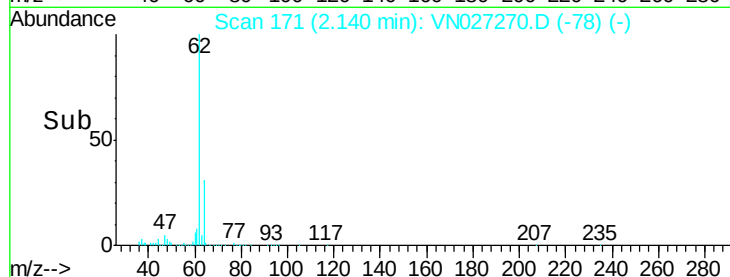
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 19.44 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027270.D

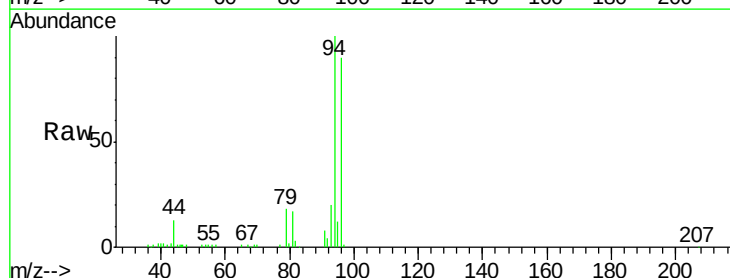
Acq: 17 Sep 2015 23:02

Tgt Ion: 94 Resp: 65609

Ion Ratio Lower Upper

94 100

96 89.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.54

40000

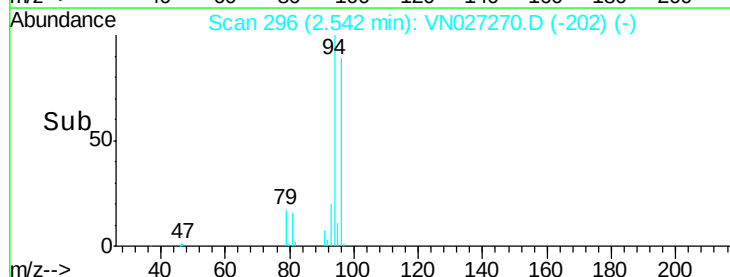
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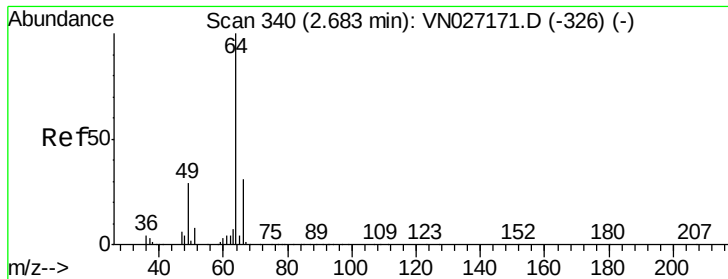
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10000

0

Time-->





#7

Chloroethane

Concen: 19.69 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion: 64 Resp: 97020

Ion Ratio Lower Upper

64 100

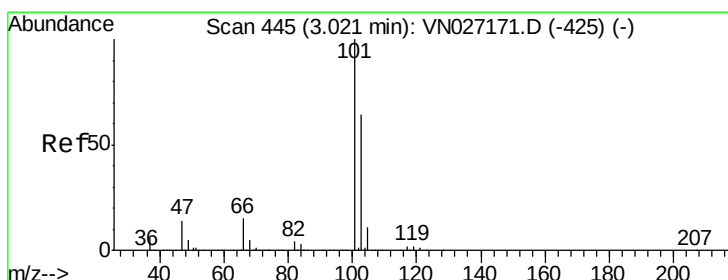
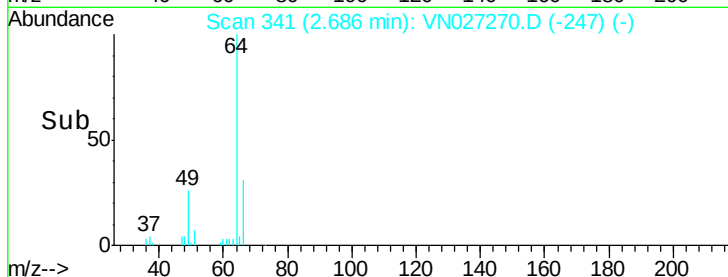
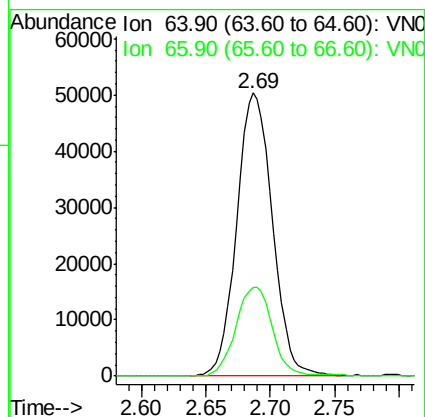
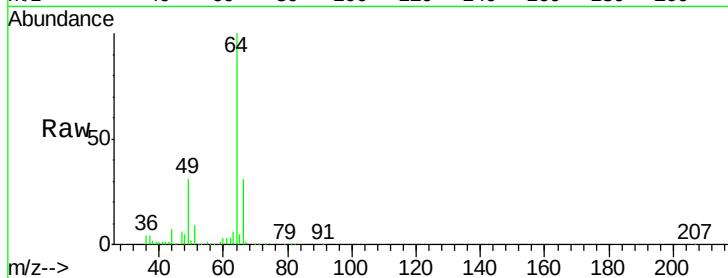
66 31.2 25.5 38.3

Manual Integrations

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#8

Trichlorofluoromethane

Concen: 20.60 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027270.D

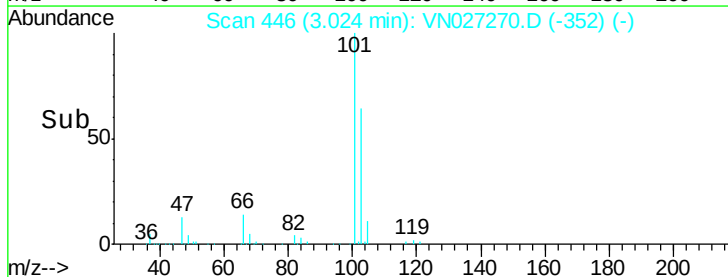
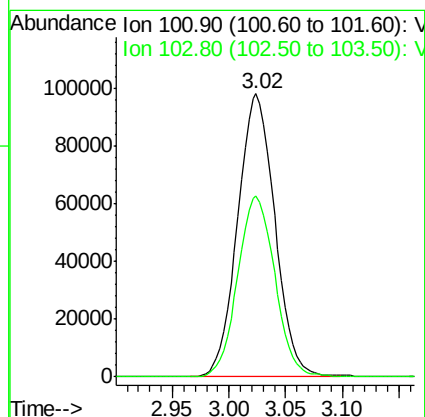
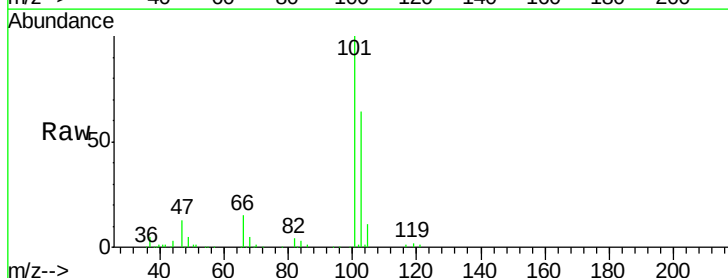
Acq: 17 Sep 2015 23:02

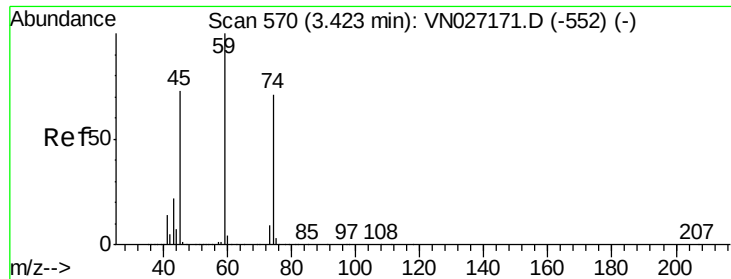
Tgt Ion: 101 Resp: 225570

Ion Ratio Lower Upper

101 100

103 63.9 52.6 79.0





#9

Diethyl Ether

Concen: 20.04 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion: 74 Resp: 100980

Ion Ratio Lower Upper

74 100

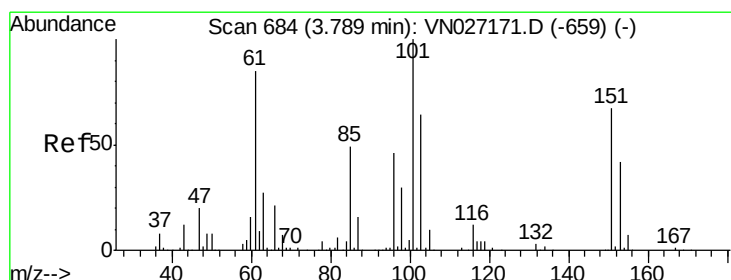
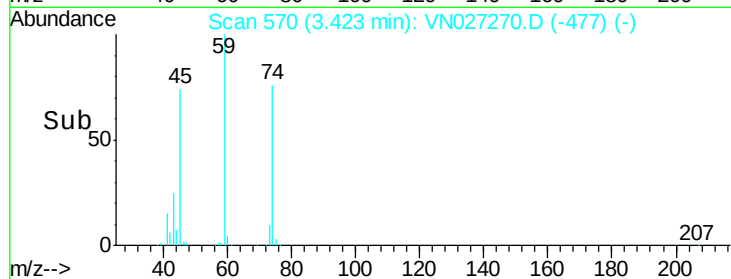
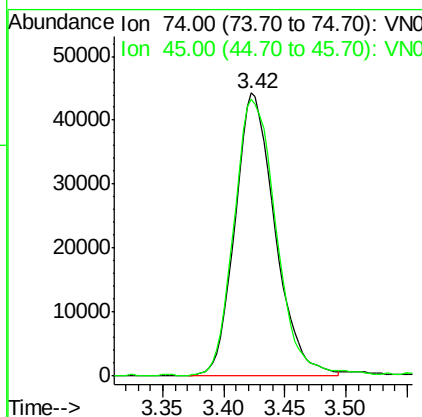
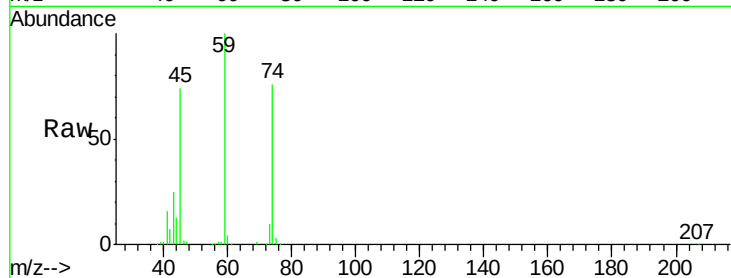
45 103.5 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 19.58 ug/l

RT: 3.79 min Scan# 685

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

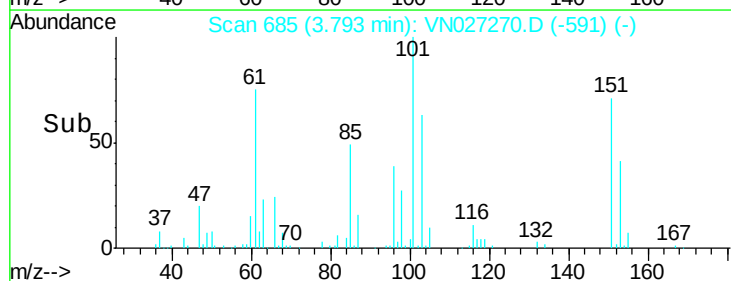
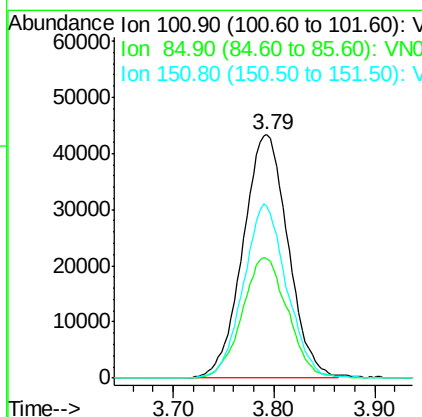
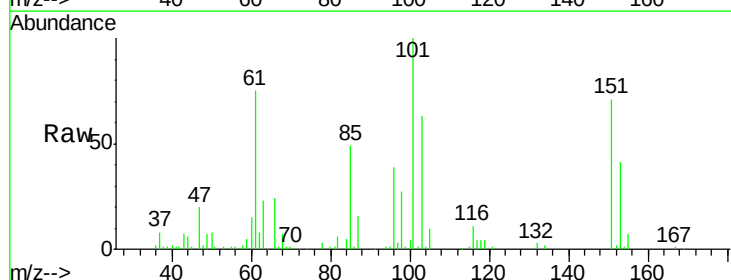
Tgt Ion: 101 Resp: 134723

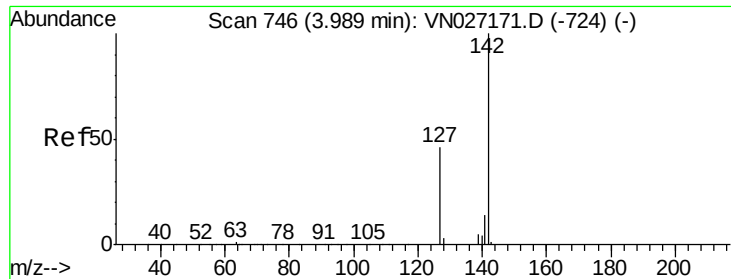
Ion Ratio Lower Upper

101 100

85 49.9 37.4 56.0

151 68.2 55.9 83.9





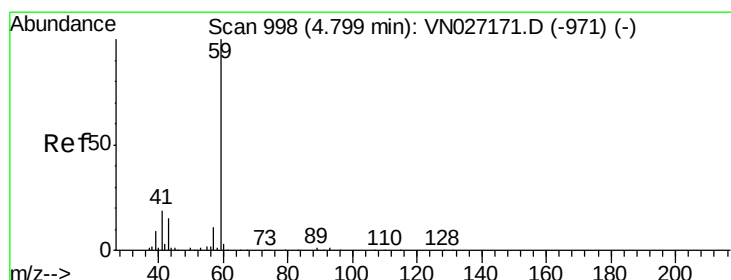
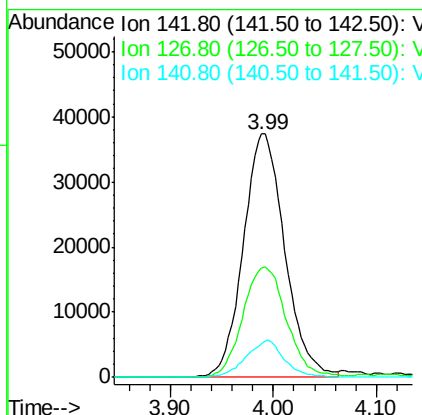
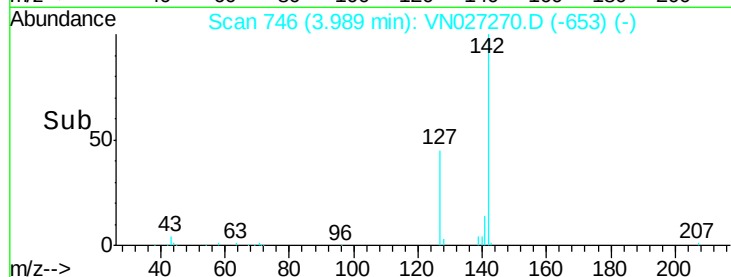
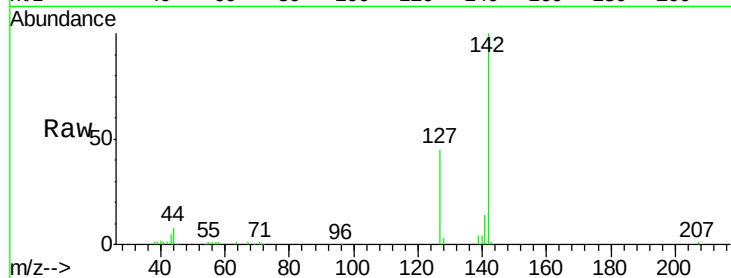
#11
Methvl Iodide
Concen: 15.62 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	47.7	32.3	48.5
141	13.9	11.2	16.8

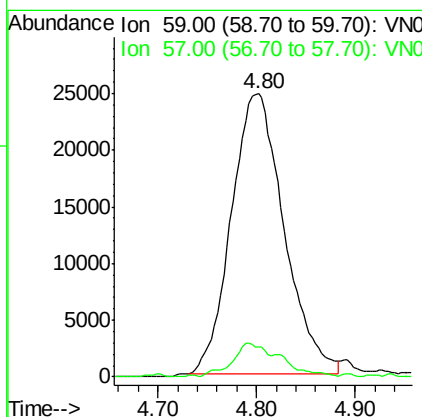
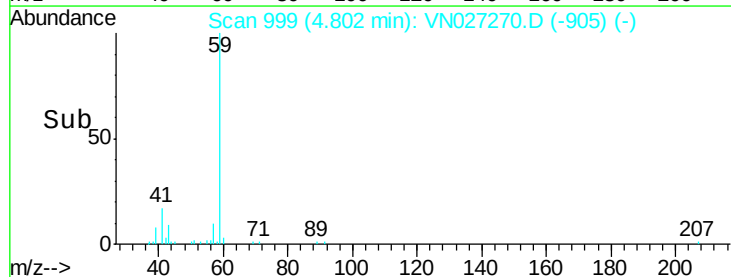
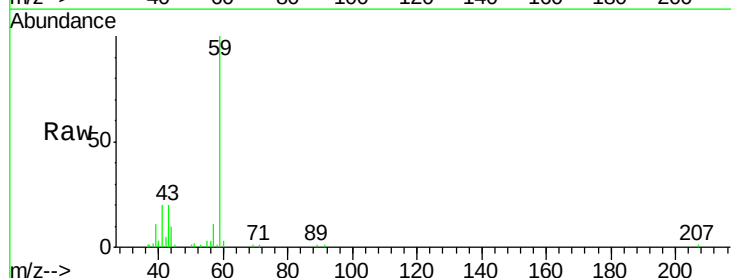
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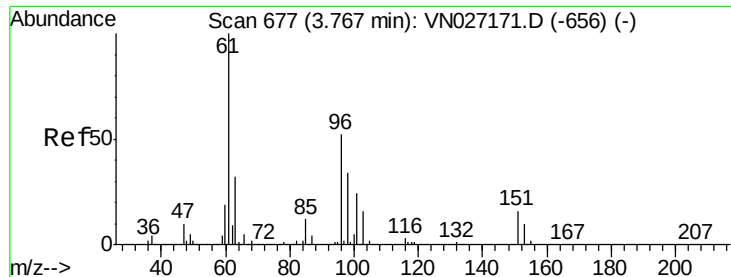
MMDadoda
9/18/2015 12:23:57 PM



#12
Tert butyl alcohol
Concen: 89.41 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
59	100		
57	7.7	7.6	11.4





#13

1,1-Dichloroethene

Concen: 20.20 ug/l

RT: 3.77 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

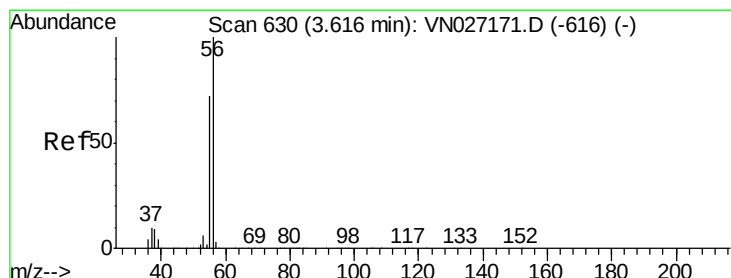
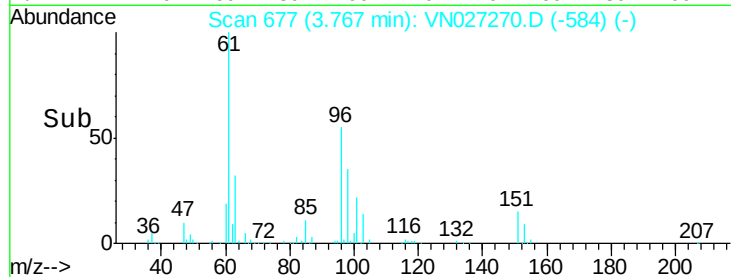
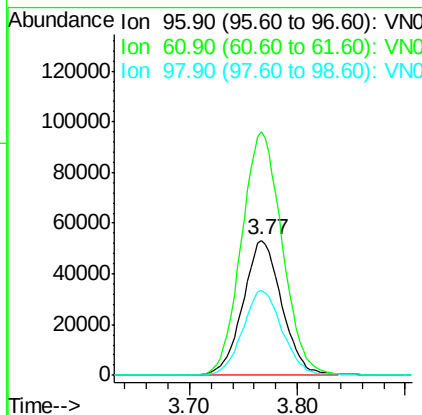
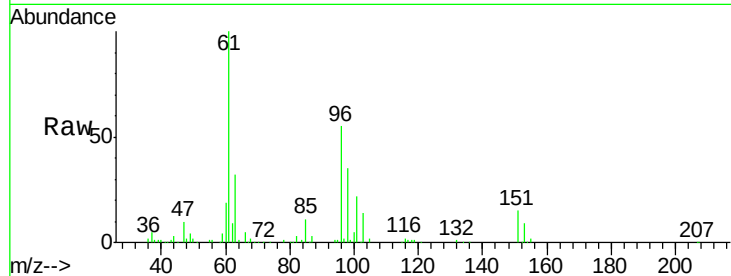
ClientSampleId :

VN0917WBS02

Tot Ion:	96	Resp:	133070
Ion	Ratio	Lower	Upper
96	100		
61	180.4	143.8	215.8
98	62.8	50.3	75.5

Manual Integrations
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#14

Acrolein

Concen: 89.36 ug/l

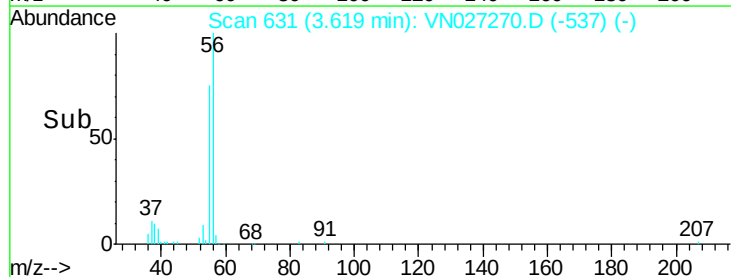
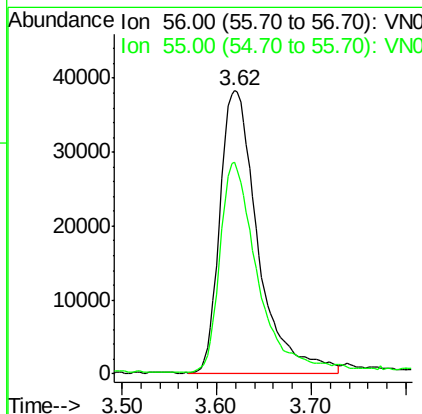
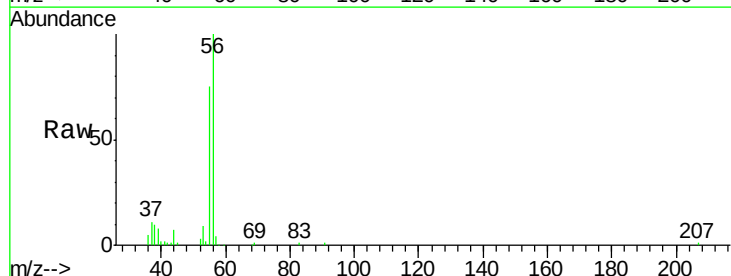
RT: 3.62 min Scan# 631

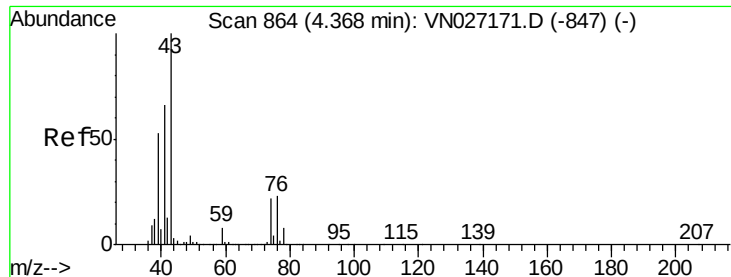
Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Tgt Ion:	56	Resp:	107908
Ion	Ratio	Lower	Upper
56	100		
55	71.0	55.7	83.5





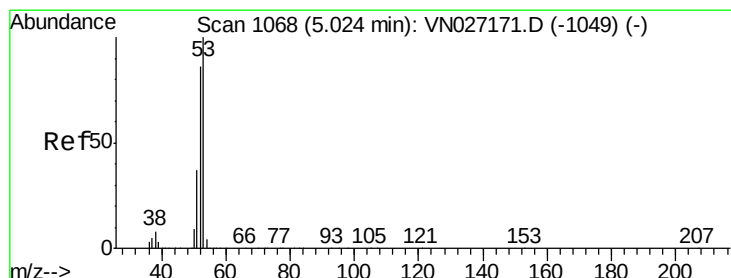
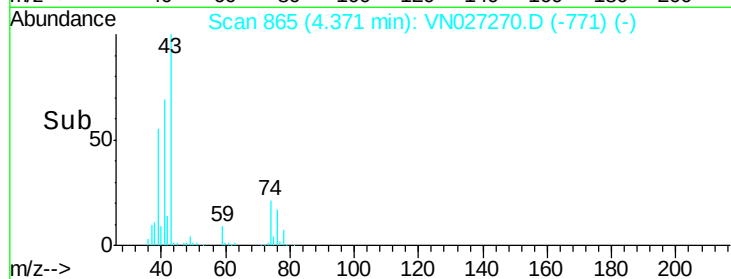
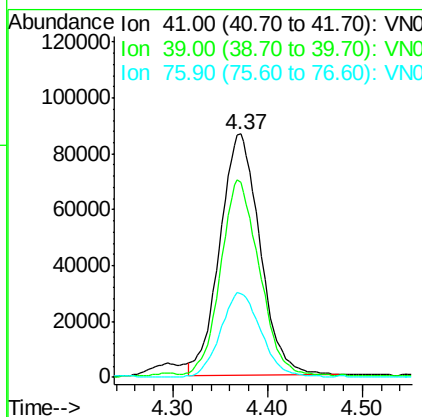
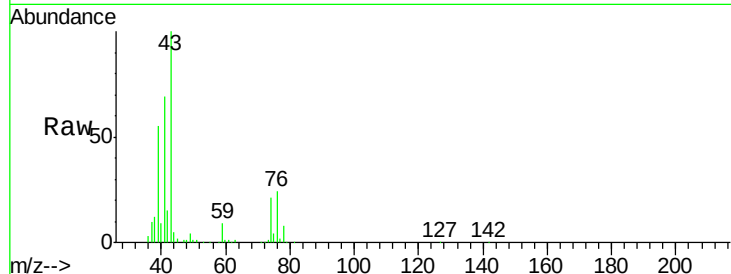
#15
 Allvl chloride
 Concen: 19.10 ug/l
 RT: 4.37 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0917WBS02

Tot Ion	Ratio	Resp	Lower	Upper
41	100	254152		
39	78.0		49.7	74.5#
76	35.2		24.8	37.2

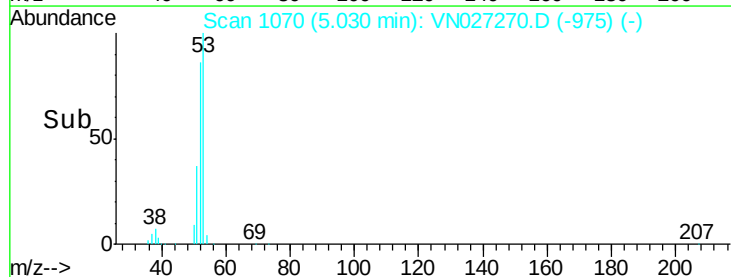
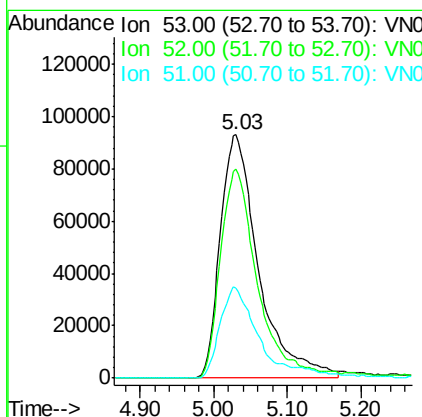
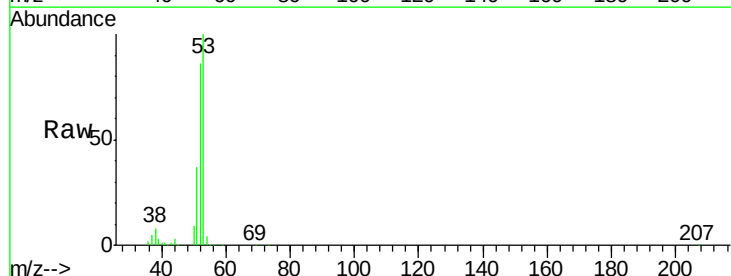
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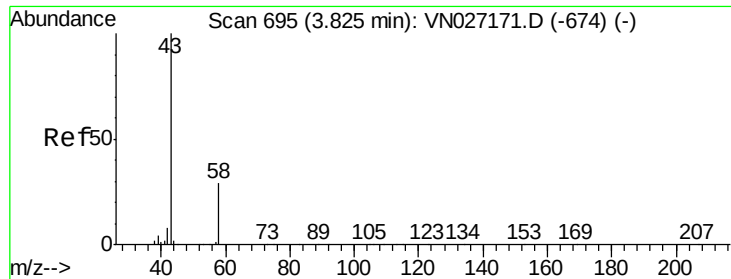
MMDadoda
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#16
 Acrylonitrile
 Concen: 100.28 ug/l
 RT: 5.03 min Scan# 1070
 Delta R.T. 0.01 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	337083		
52	83.1		66.9	100.3
51	35.2		27.4	41.0





#17

Acetone

Concen: 94.27 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion: 43 Resp: 267196

Ion Ratio Lower Upper

43 100

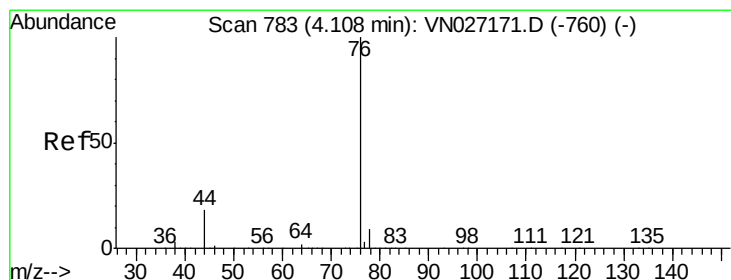
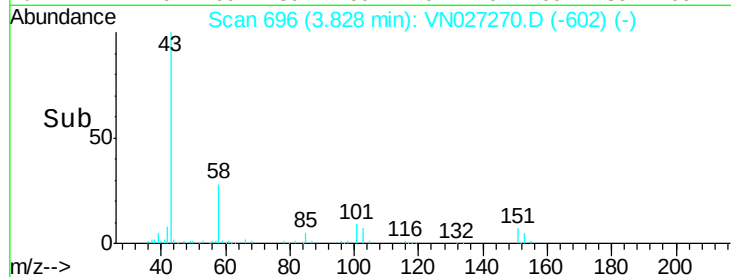
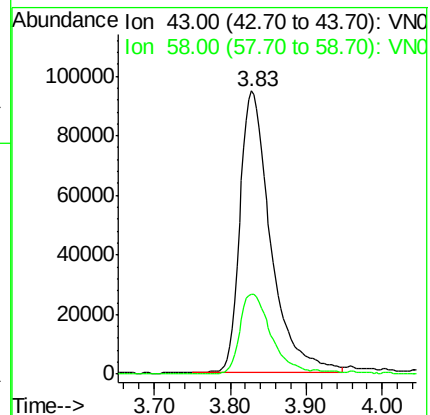
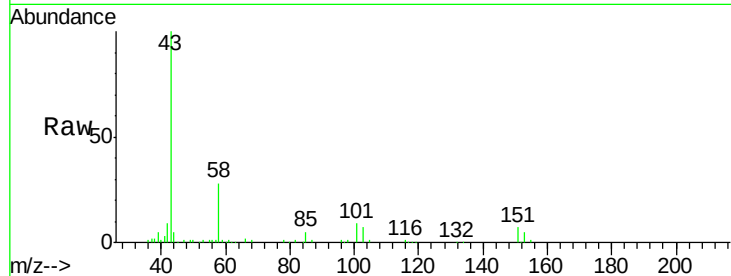
58 28.2 25.4 38.0

Manual Integrations

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#18

Carbon Disulfide

Concen: 18.45 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027270.D

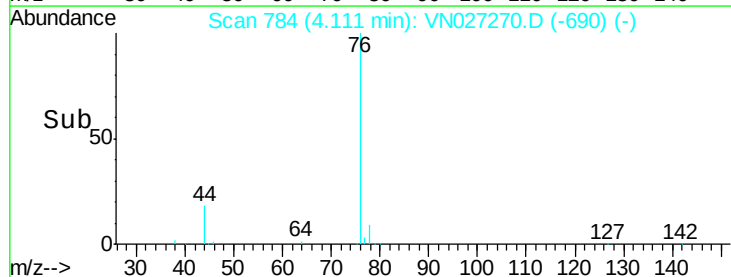
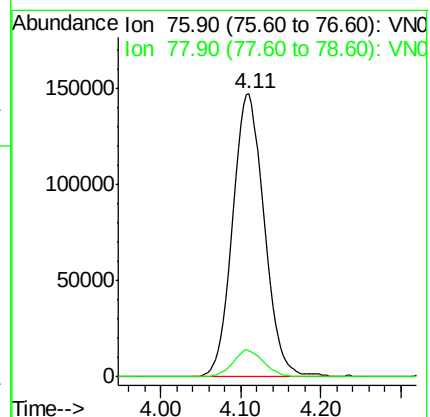
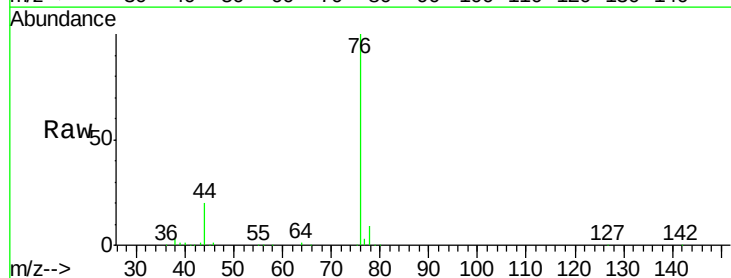
Acq: 17 Sep 2015 23:02

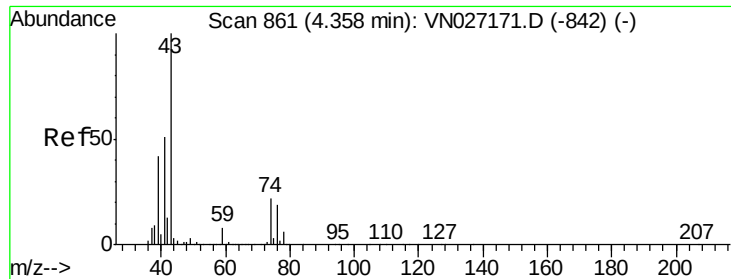
Tgt Ion: 76 Resp: 395856

Ion Ratio Lower Upper

76 100

78 9.4 7.1 10.7





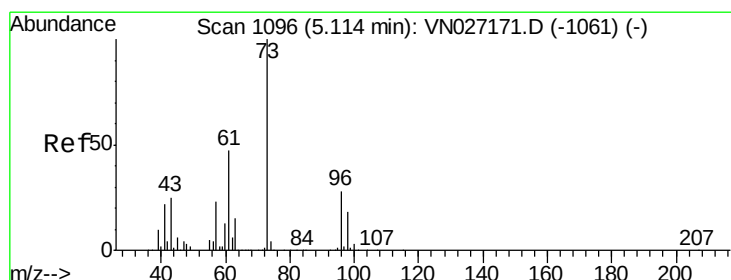
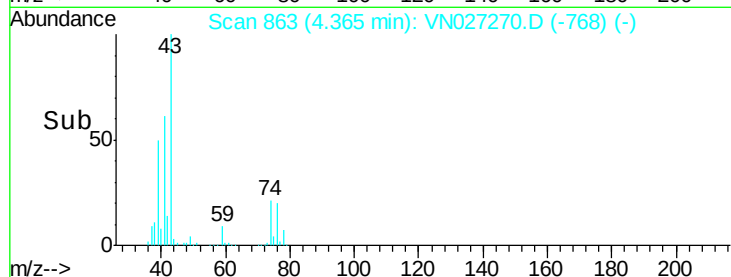
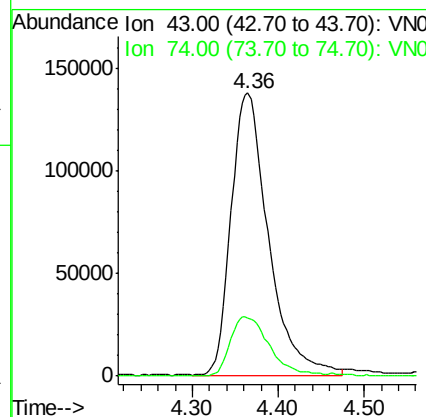
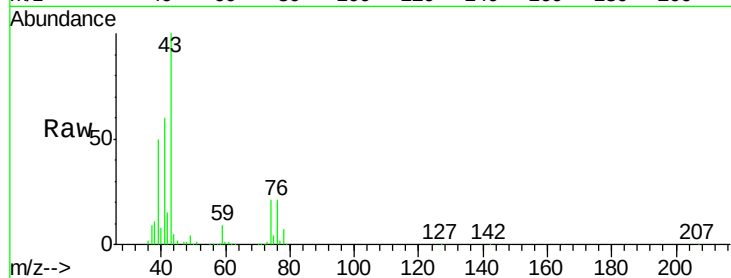
#19
Methvl Acetate
Concen: 20.20 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	43.00	Resp	414642
Ion Ratio	100	Lower	Upper
43	100		
74	22.1	16.2	24.2

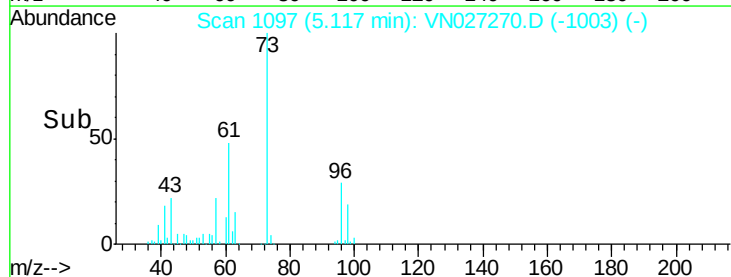
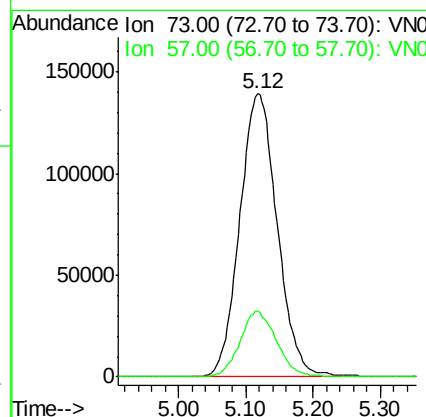
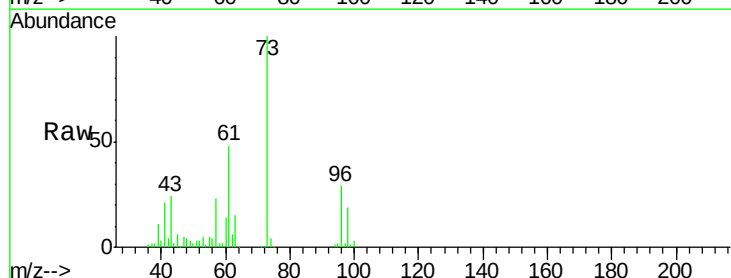
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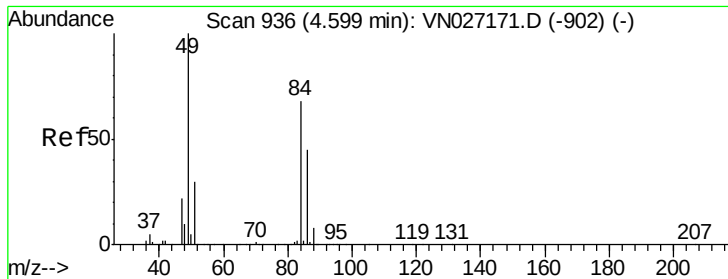
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 20.36 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	73.00	Resp	538430
Ion Ratio	100	Lower	Upper
73	100		
57	23.3	19.8	29.6





#21

Methylene Chloride

Concen: 20.32 ug/l

RT: 4.60 min Scan# 937

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

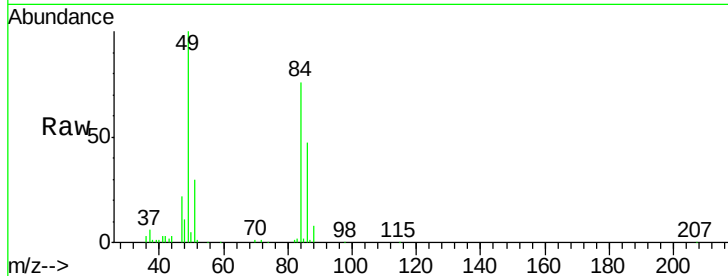
ClientSampleId :

VN0917WBS02

Tot Ion:	84	Resp:	160453
Ion	Ratio	Lower	Upper
84	100		
49	132.1	112.3	168.5
51	38.9	33.8	50.8
86	62.4	48.2	72.4

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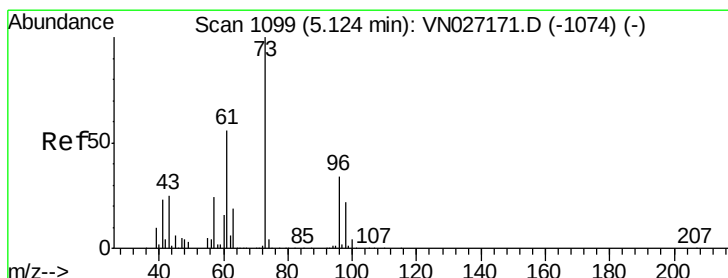
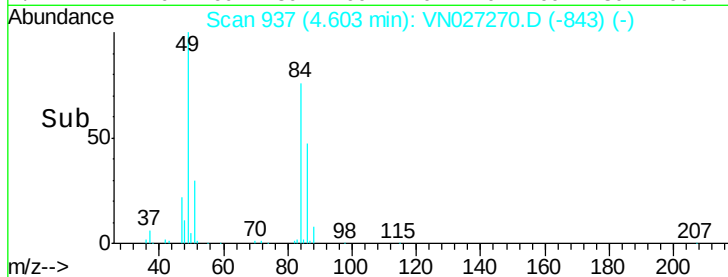
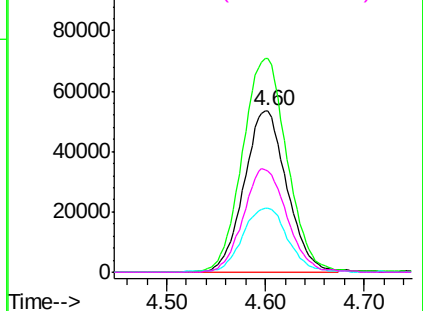


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#22

trans-1,2-Dichloroethene

Concen: 19.94 ug/l

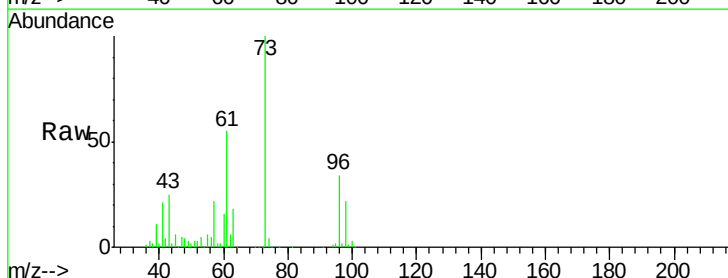
RT: 5.13 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

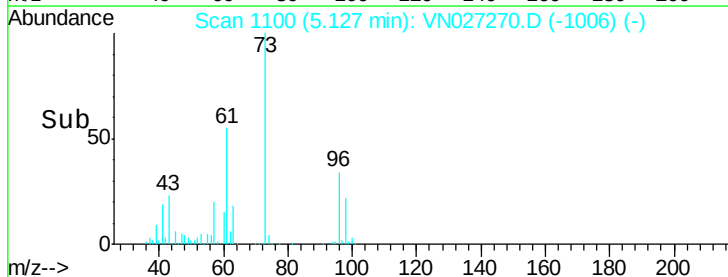
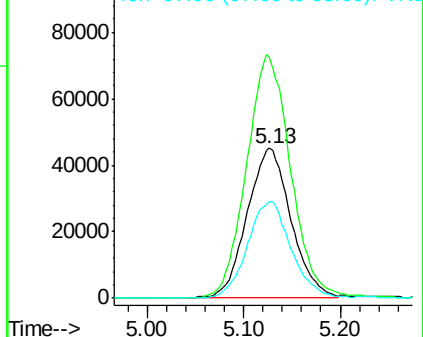
Tgt Ion:	96	Resp:	142077
Ion	Ratio	Lower	Upper
96	100		
61	160.6	126.6	189.8
98	64.5	47.4	71.2

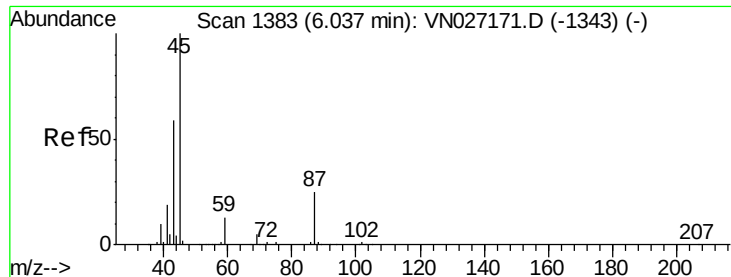


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





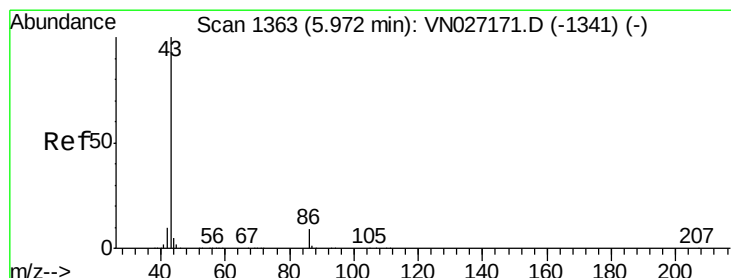
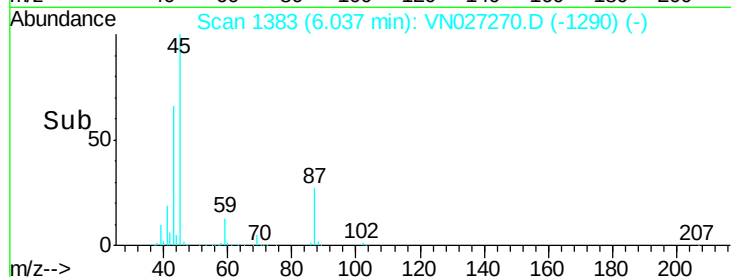
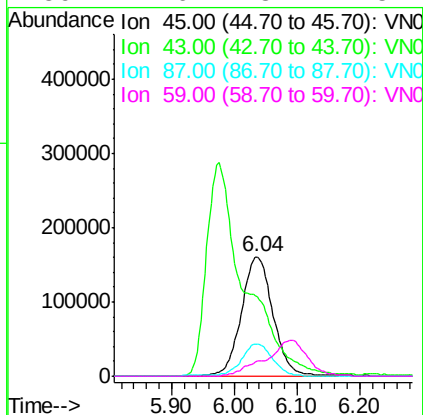
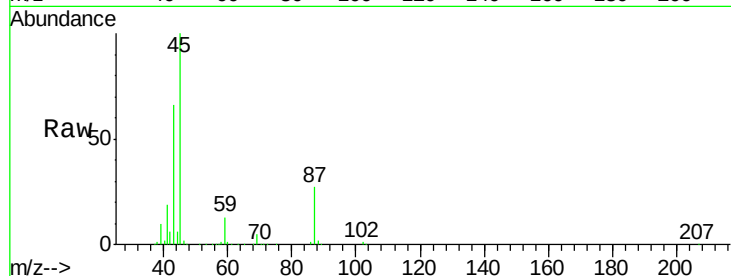
#23
Diisopropyl ether
Concen: 20.23 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	Ratio	Lower	Upper
45	100		
43	64.8	41.0	61.6#
87	26.7	17.5	26.3#
59	12.6	8.7	13.1

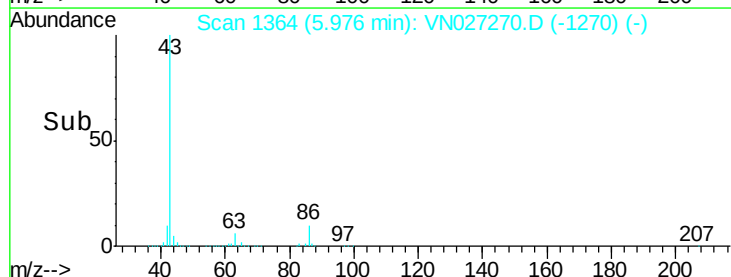
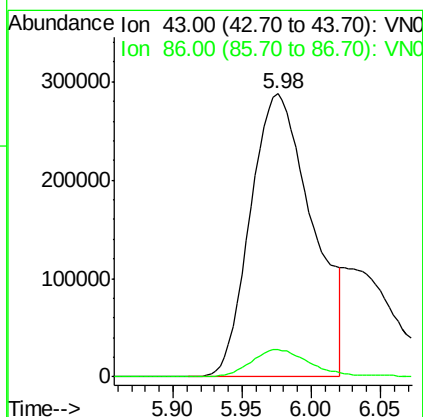
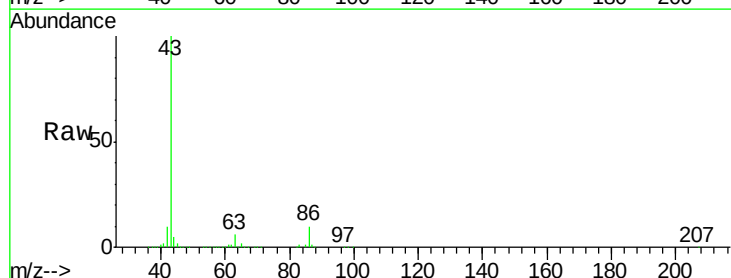
Manual Integrations
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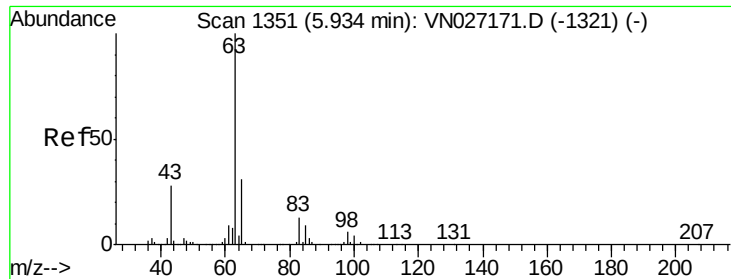
MMDadoda
9/18/2015 12:23:57 PM



#24
Vinyl Acetate
Concen: 96.65 ug/l m
RT: 5.98 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.5	6.9	10.3





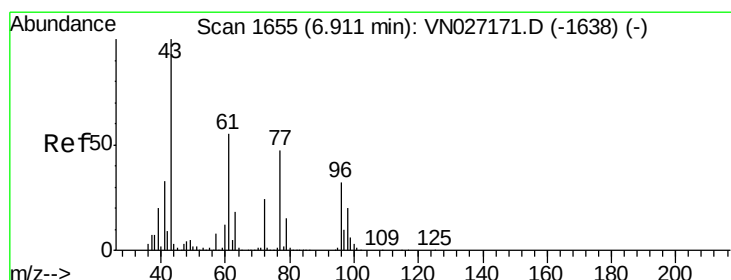
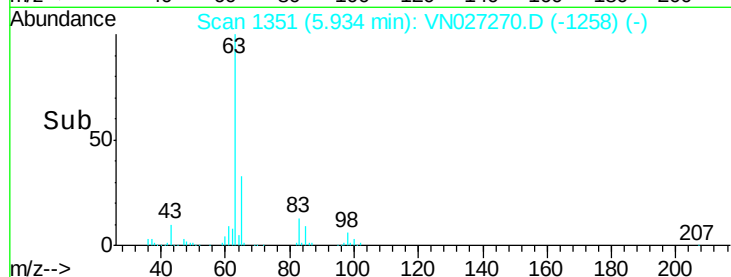
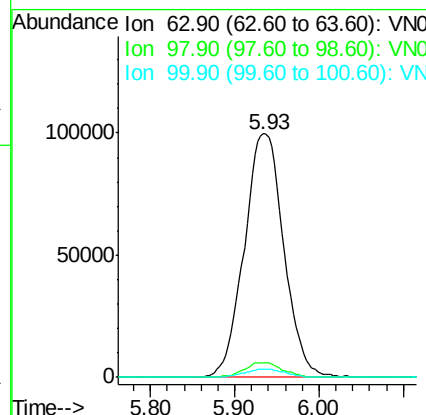
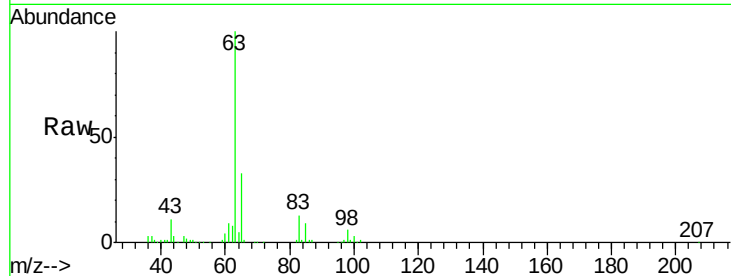
#25
 1,1-Dichloroethane
 Concen: 20.05 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	6.0	2.8	8.3
100	3.2	1.7	5.0

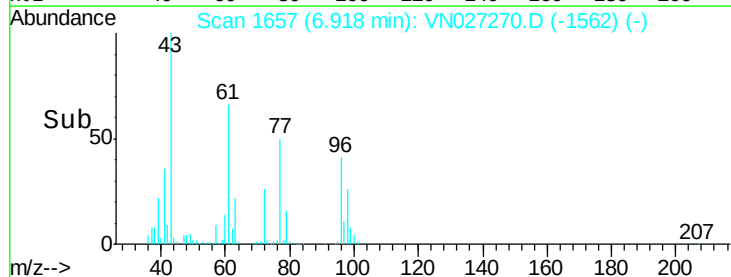
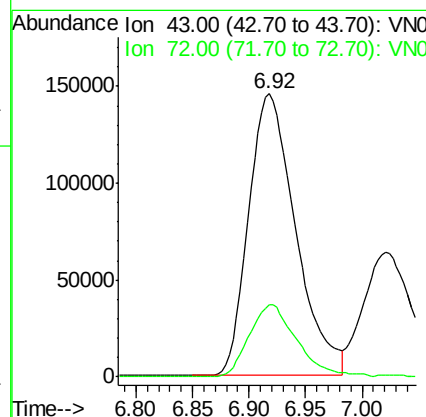
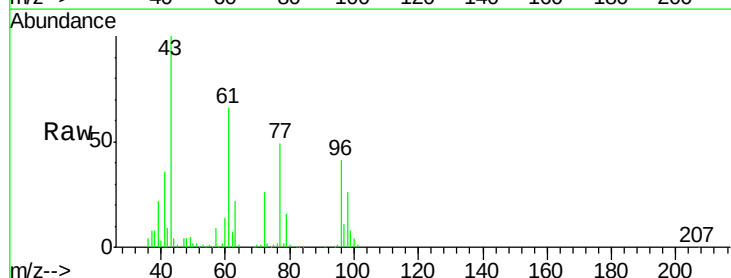
Manual Integrations
 APPROVED

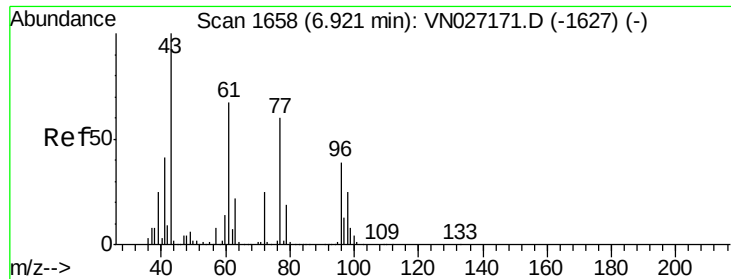
MMDadoda
 9/18/2015 12:23:57 PM



#26
 2-Butanone
 Concen: 98.59 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	25.8	18.8	28.2





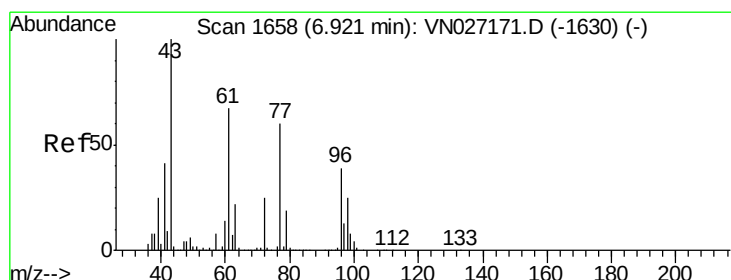
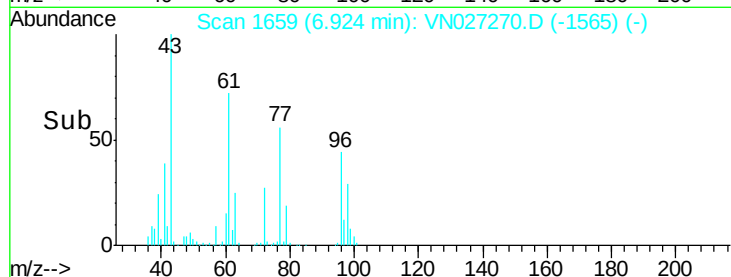
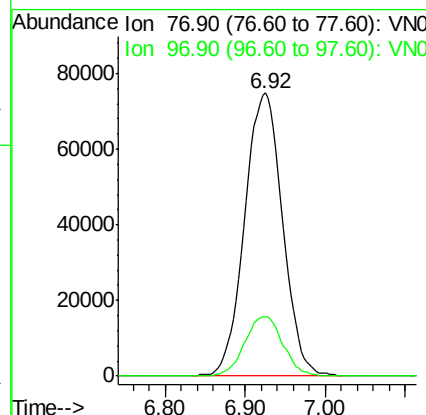
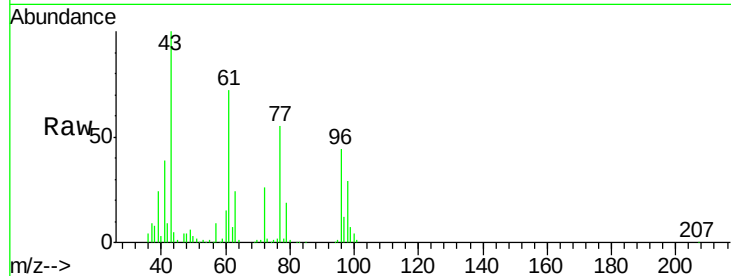
#27
 2,2-Dichloropropane
 Concen: 17.15 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0917WBS02

Tot Ion: 77 Resp: 241359
 Ion Ratio Lower Upper
 77 100
 97 21.1 11.8 35.3

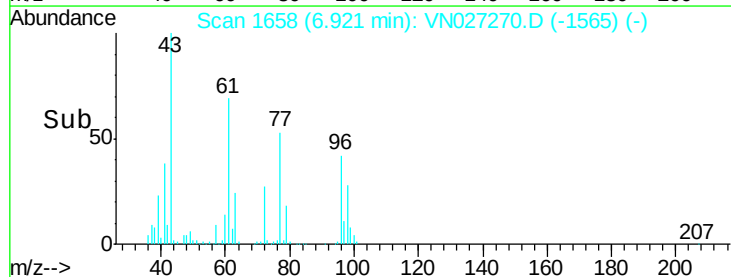
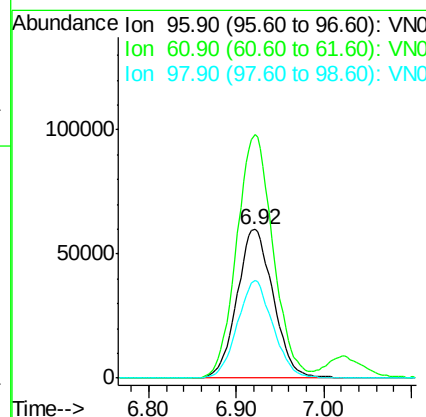
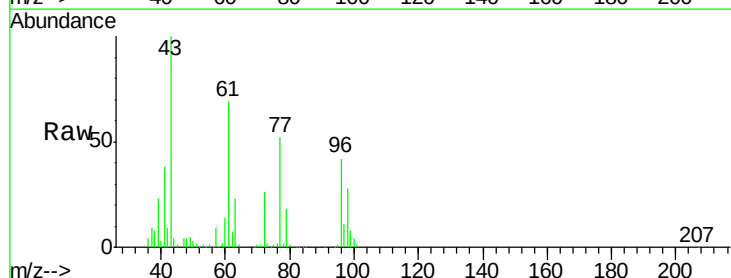
Manual Integrations
 APPROVED

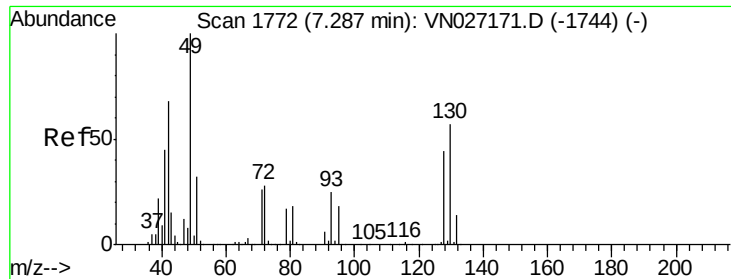
MMDadoda
 9/18/2015 12:23:57 PM



#28
 cis-1,2-Dichloroethene
 Concen: 21.05 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion: 96 Resp: 171993
 Ion Ratio Lower Upper
 96 100
 61 164.3 0.0 329.2
 98 64.6 0.0 126.0





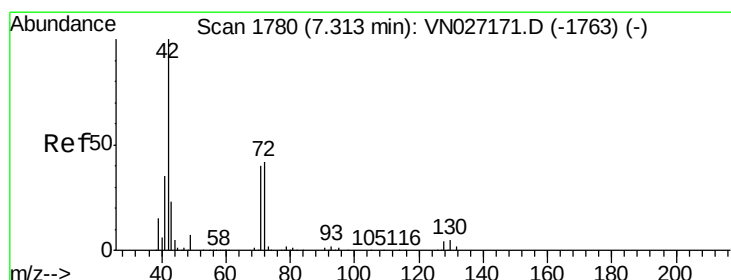
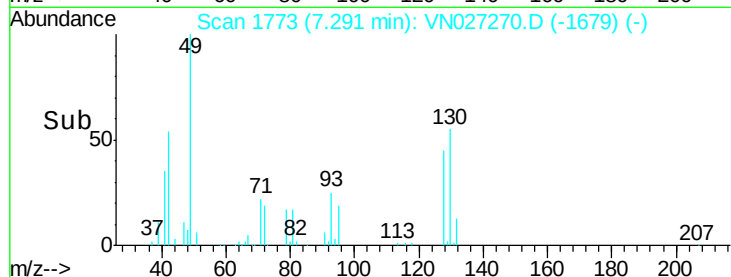
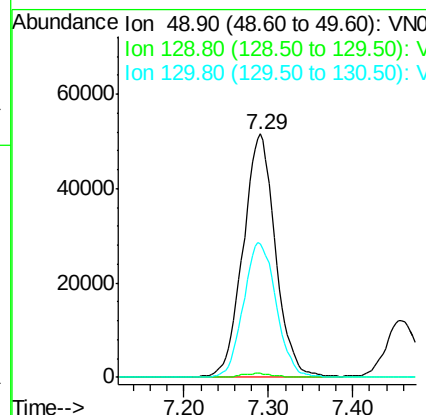
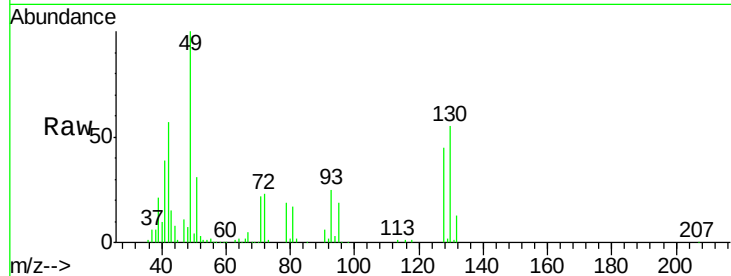
#29
Bromochloromethane
Concen: 21.95 ug/l
RT: 7.29 min Scan# 1773
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	55.6	43.2	64.8

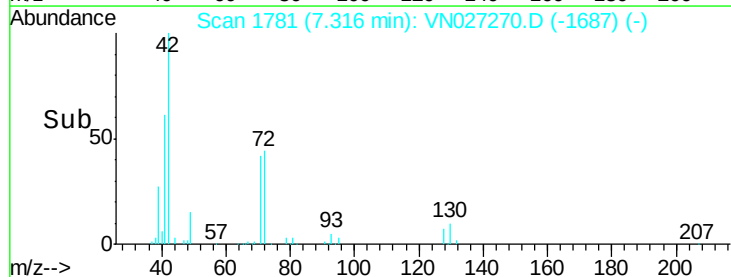
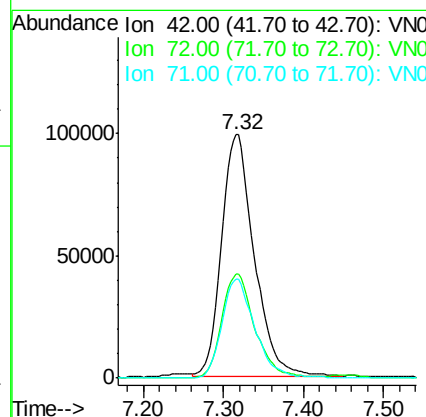
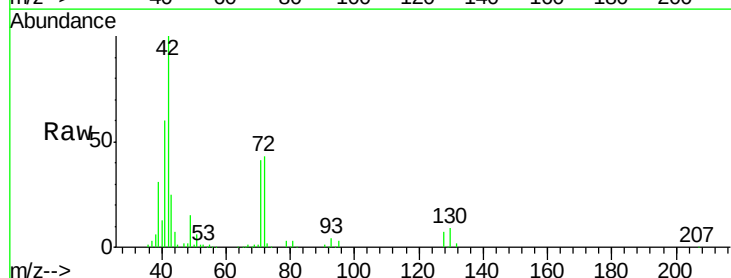
Manual Integrations
APPROVED

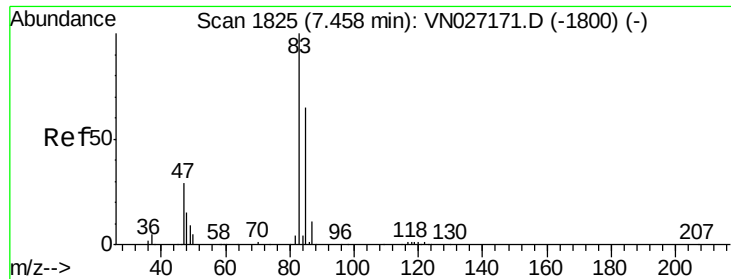
MMDadoda
9/18/2015 12:23:57 PM



#30
Tetrahydrofuran
Concen: 94.31 ug/l
RT: 7.32 min Scan# 1781
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.7	29.9	44.9
71	41.5	28.3	42.5





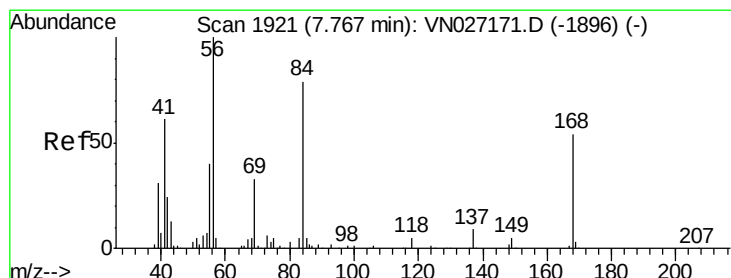
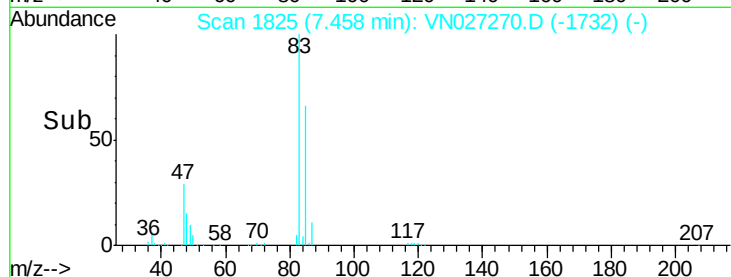
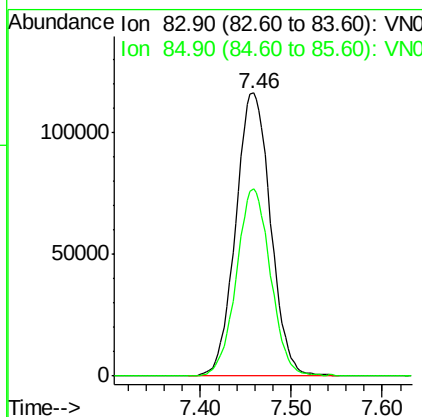
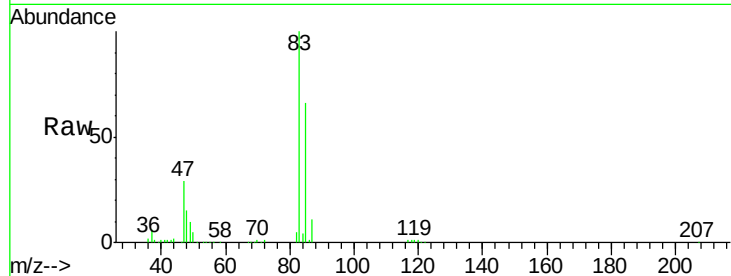
#31
Chloroform
Concen: 21.08 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampled :
VN0917WBS02

Tot Ion	83	Resp	308910
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	51.1	76.7

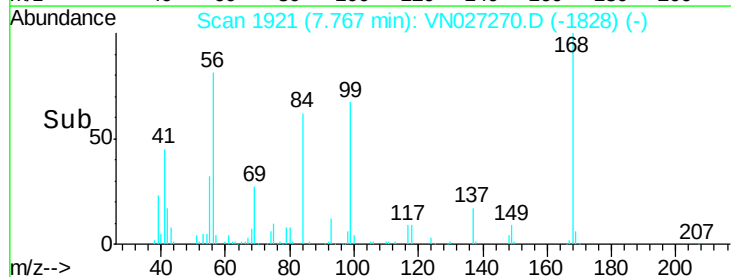
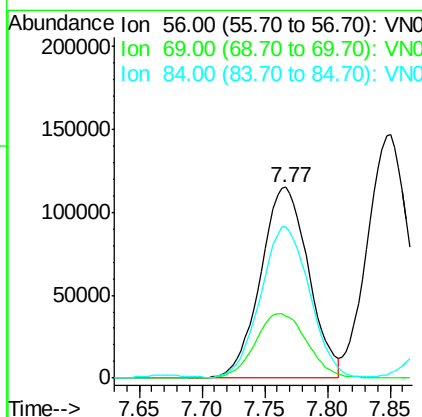
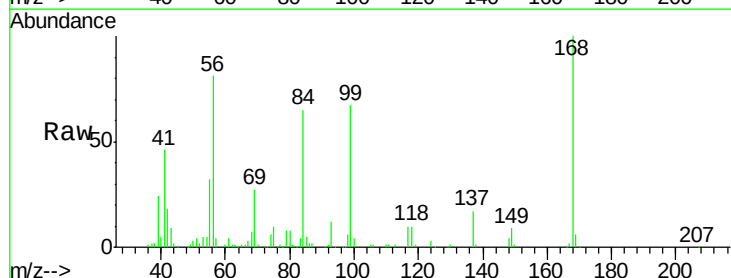
Manual Integrations
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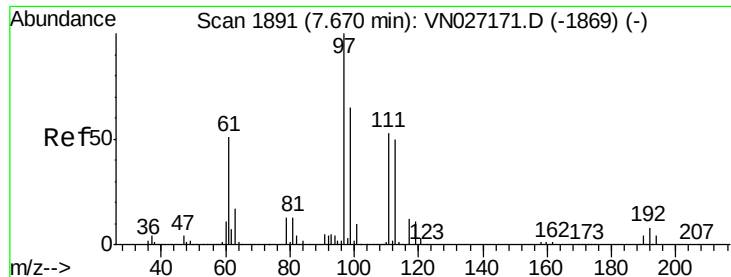
MMDadoda
9/18/2015 12:23:57 PM



#32
Cyclohexane
Concen: 20.68 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	56	Resp	306464
Ion Ratio	100	Lower	Upper
56	100		
69	32.7	23.0	34.4
84	78.7	57.8	86.8





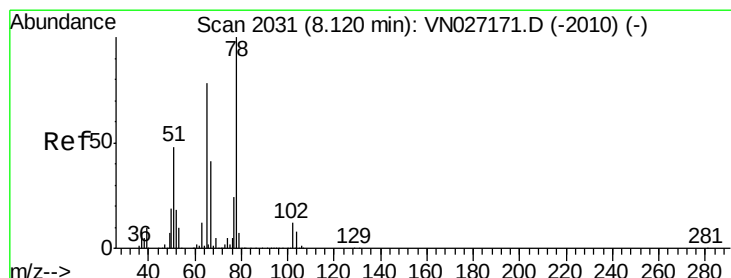
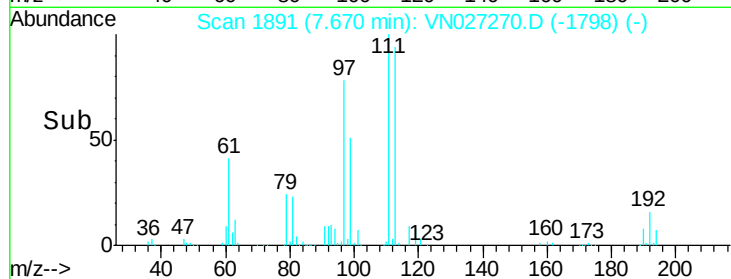
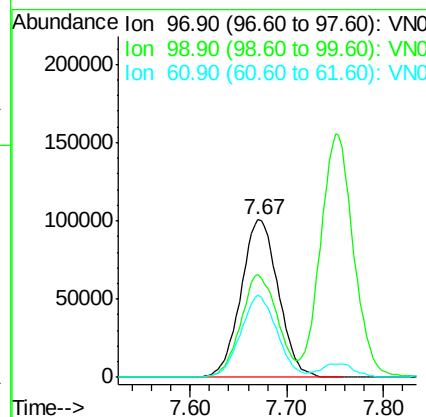
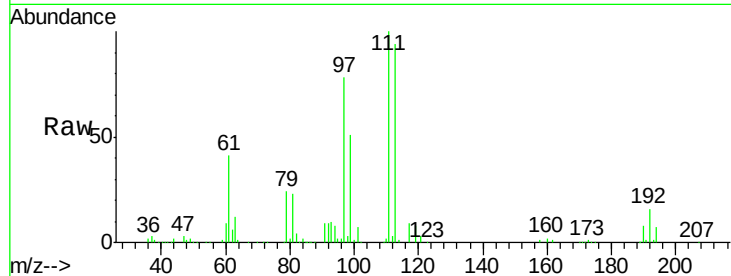
#33
 1,1,1-Trichloroethane
 Concen: 20.71 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.1	75.1
61	50.3	44.0	66.0

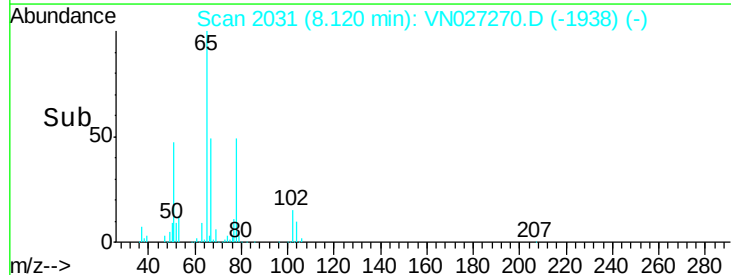
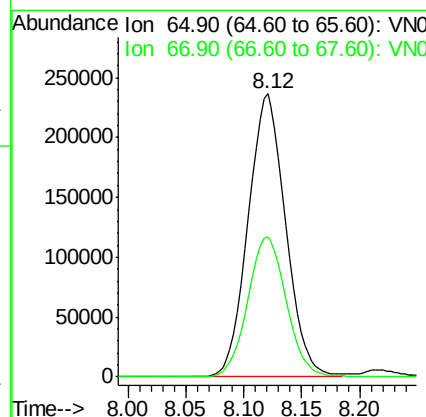
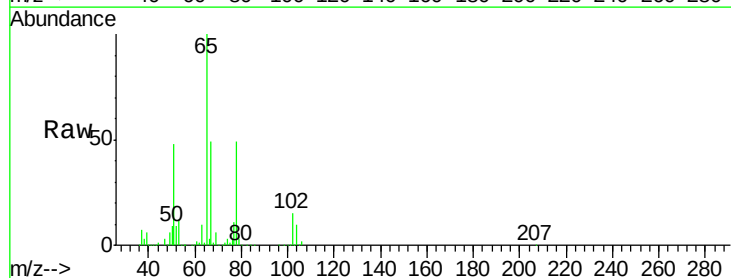
Manual Integrations
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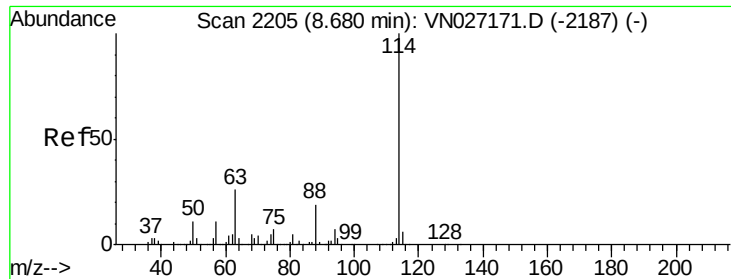
MMDadoda
 9/18/2015 12:23:57 PM



#34
 1,2-Dichloroethane-d4
 Concen: 50.74 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	110.6





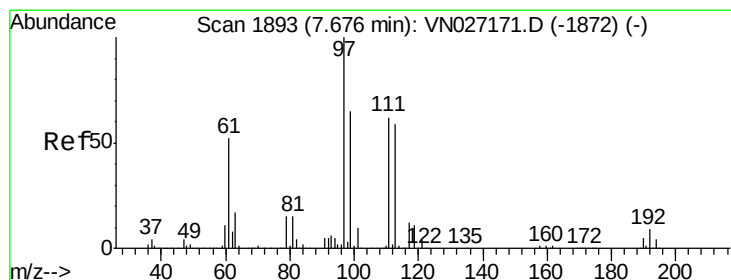
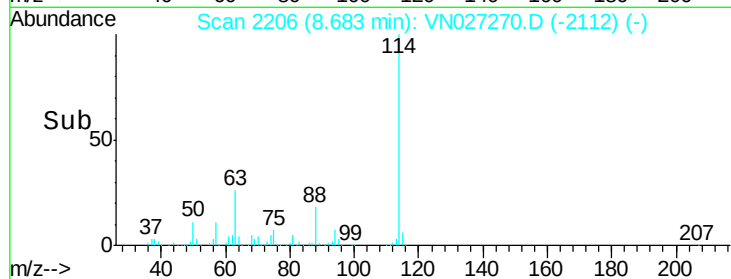
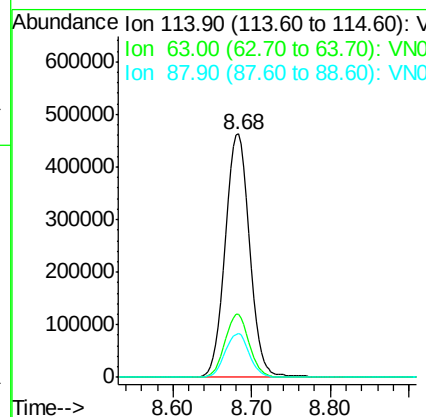
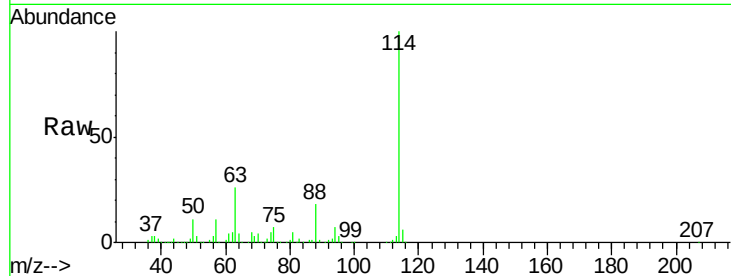
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Resp	Lower	Upper
114	100	992281		
63	26.0	0.0	48.8	
88	17.8	0.0	32.2	

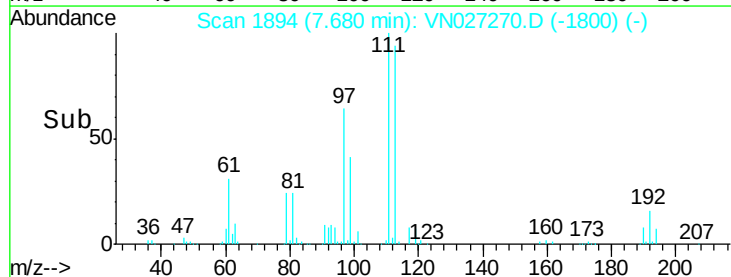
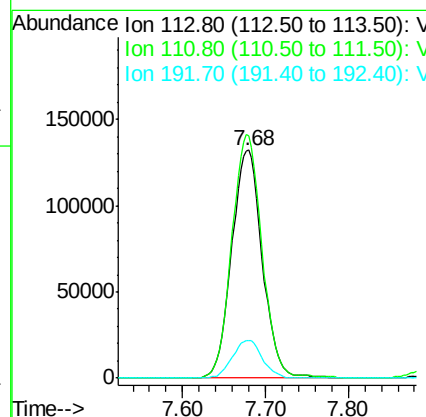
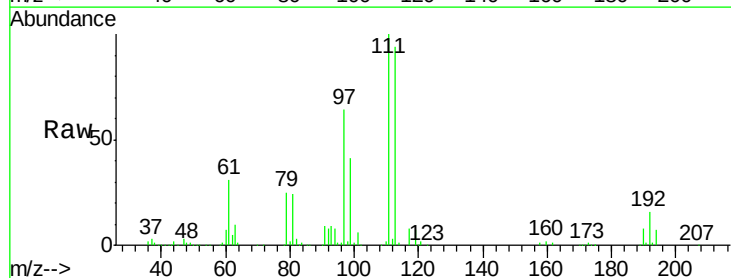
Manual Integrations
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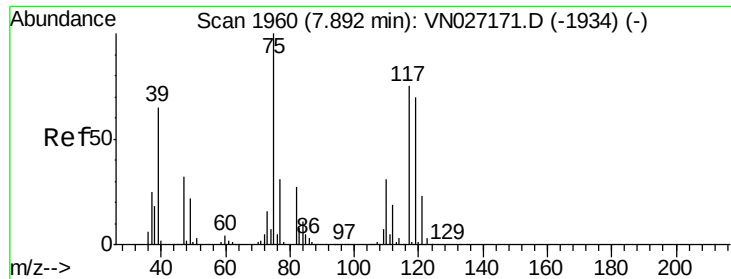
MMDadoda
 9/18/2015 12:23:57 PM



#36
 Dibromofluoromethane
 Concen: 49.27 ug/l
 RT: 7.68 min Scan# 1894
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	338876		
111	105.3	83.0	124.4	
192	16.3	14.1	21.1	





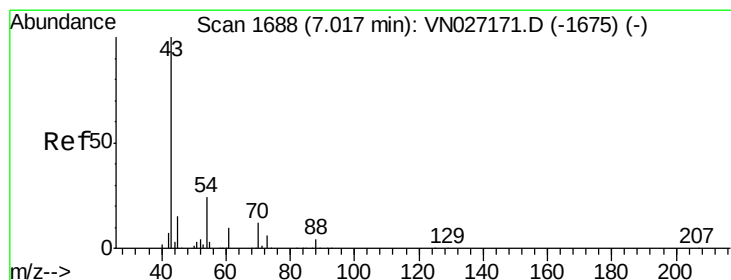
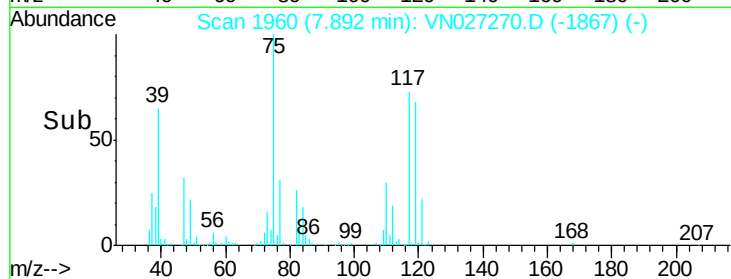
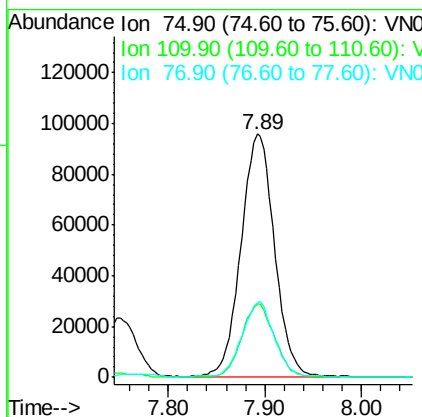
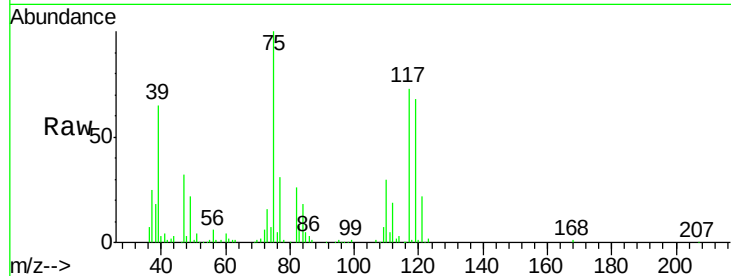
#37
 1,1-Dichloropropene
 Concen: 19.76 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Resp	Lower	Upper
75	100	229549		
110	29.8	15.9	47.7	
77	30.4	24.9	37.3	

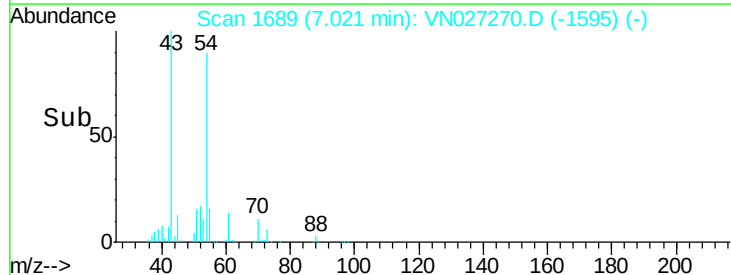
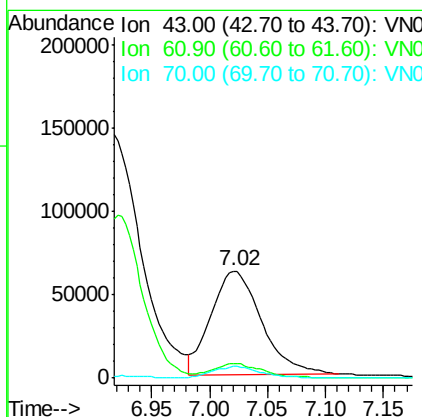
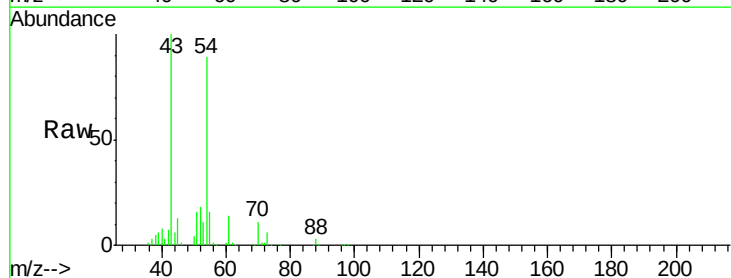
Manual Integrations
 APPROVED

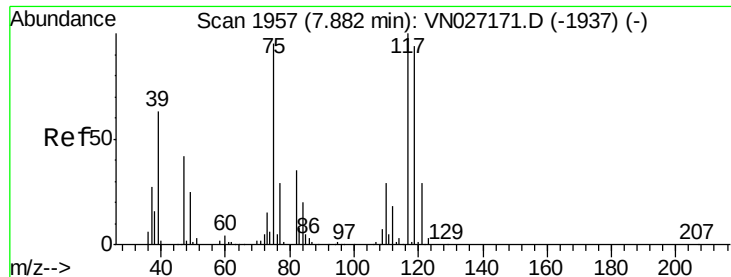
MMDadoda
 9/18/2015 12:23:57 PM



#38
 Ethyl Acetate
 Concen: 18.40 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	188387		
61	13.4	10.2	15.4	
70	10.9	7.4	11.0	





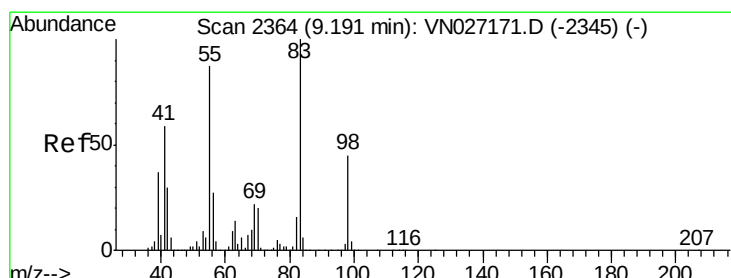
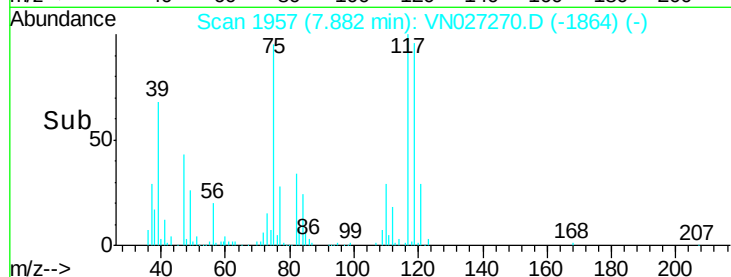
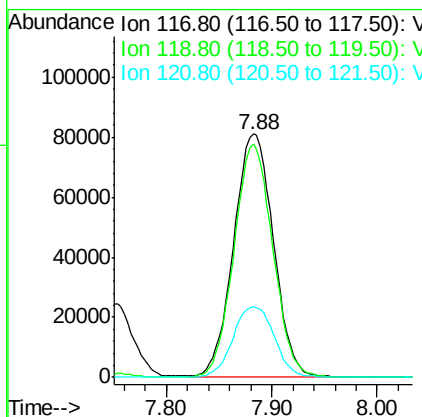
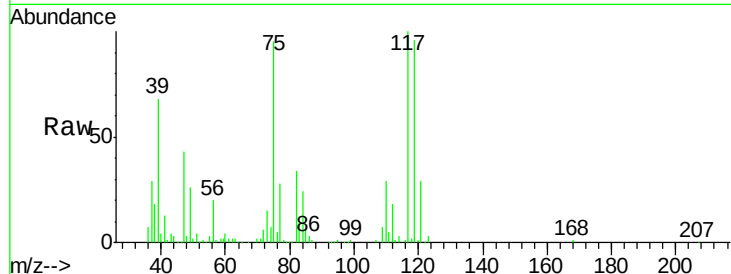
#39
Carbon Tetrachloride
Concen: 19.56 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampled :
VN0917WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.3	112.9
121	28.8	23.8	35.8

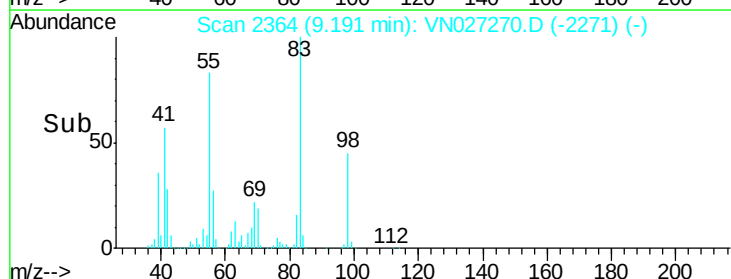
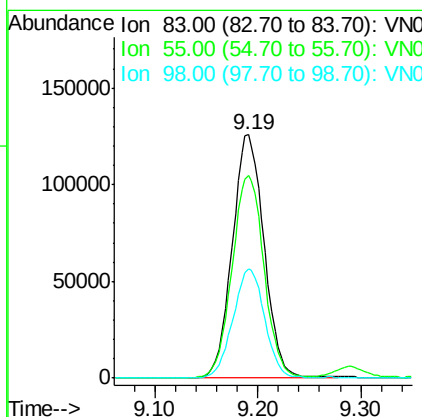
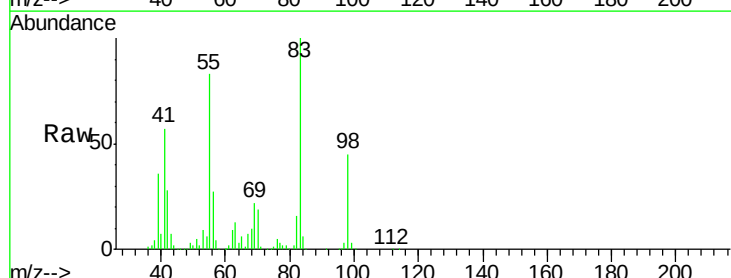
Manual Integrations
APPROVED

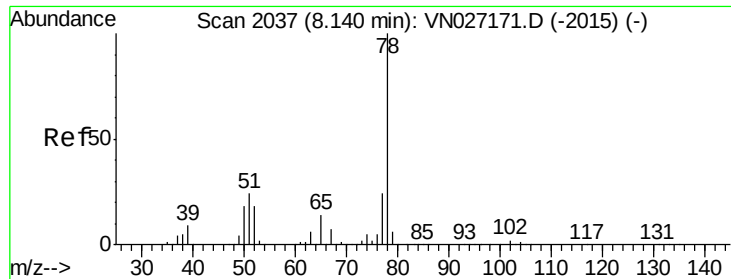
MMDadoda
9/18/2015 12:23:57 PM



#40
Methylcyclohexane
Concen: 19.15 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.1	69.8	104.8
98	45.1	34.3	51.5





#41

Benzene

Concen: 19.75 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion: 78 Resp: 669484

Ion Ratio Lower Upper

78 100

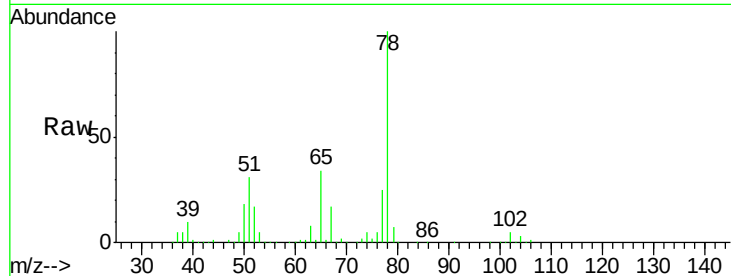
77 24.7 19.0 28.4

Manual Integrations

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MMDadoda

9/18/2015 12:23:57 PM



Abundance Ion 78.00 (77.70 to 78.70): VNC

Ion 77.00 (76.70 to 77.70): VNC

8.14

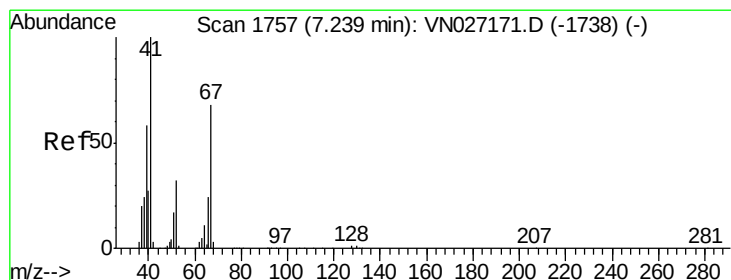
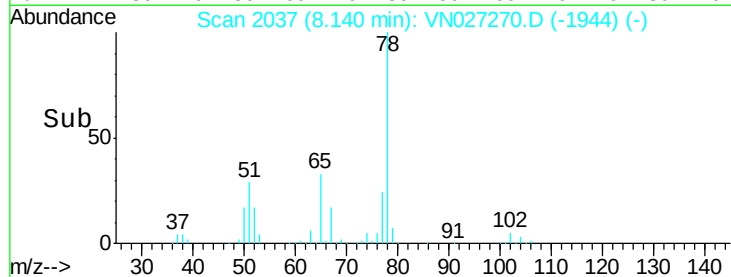
300000

200000

100000

0

Time-->



#42

Methacrylonitrile

Concen: 19.44 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Tgt Ion: 41 Resp: 109139

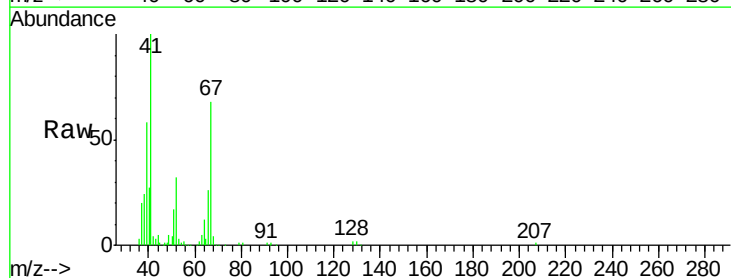
Ion Ratio Lower Upper

41 100

39 59.4 43.0 64.6

67 72.7 52.2 78.2

52 33.3 21.3 31.9#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

Ion 67.00 (66.70 to 67.70): VNC

Ion 52.00 (51.70 to 52.70): VNC

80000

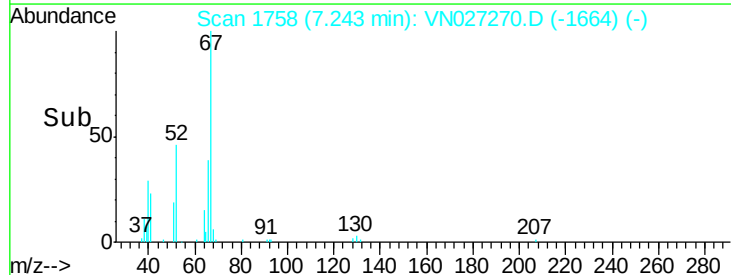
60000

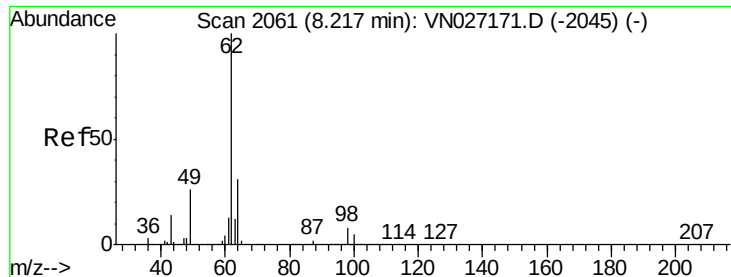
40000

20000

0

Time-->





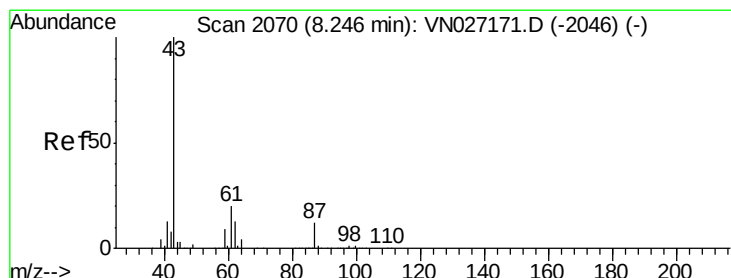
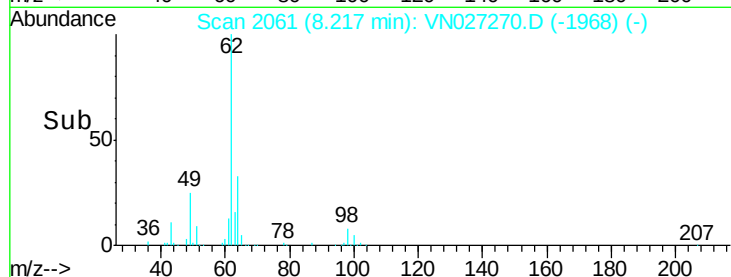
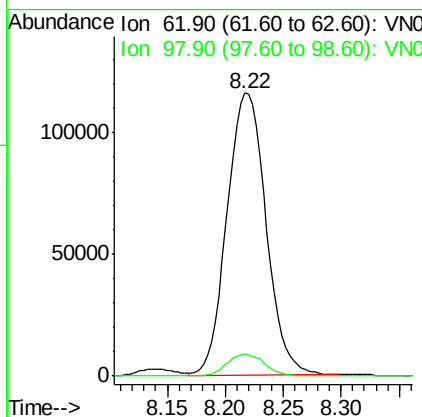
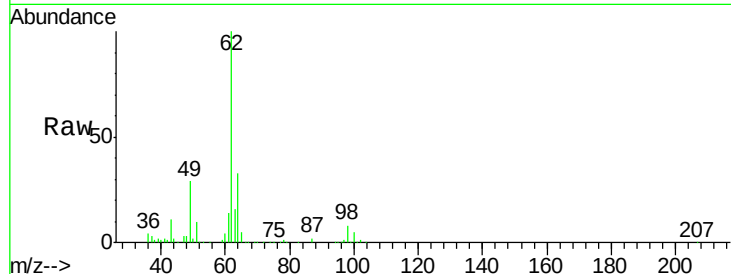
#43
 1,2-Dichloroethane
 Concen: 19.83 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Resp	Lower	Upper
62	100	270763		
98	7.6	0.0	18.0	

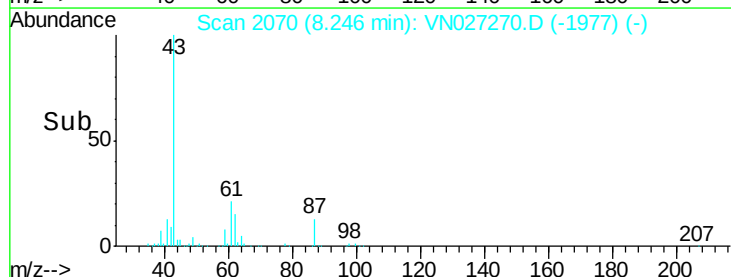
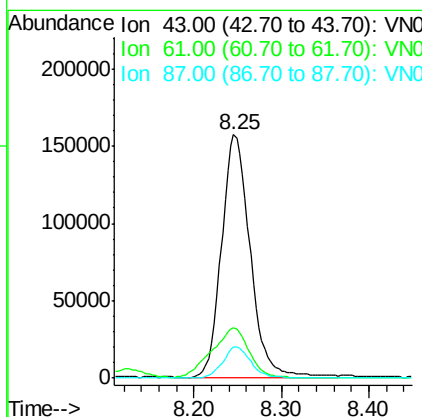
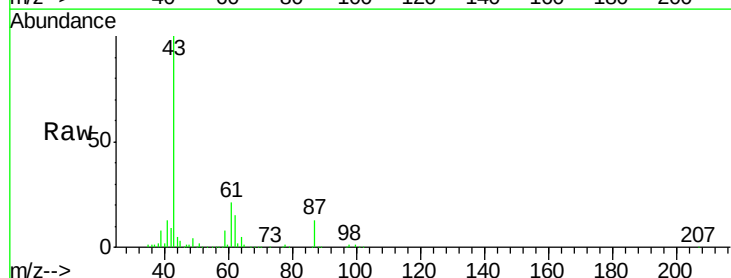
Manual Integrations
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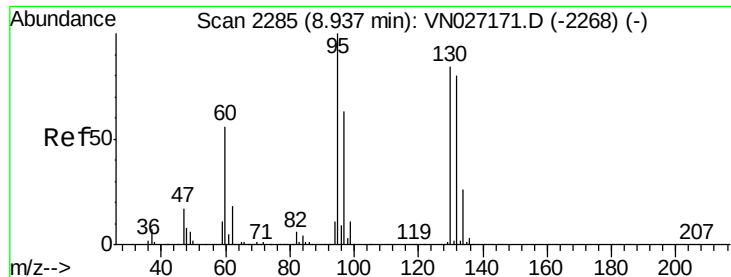
MMDadoda
 9/18/2015 12:23:57 PM



#44
 Isopropyl Acetate
 Concen: 19.14 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	355293		
61	26.6	20.6	31.0	
87	12.6	8.6	13.0	





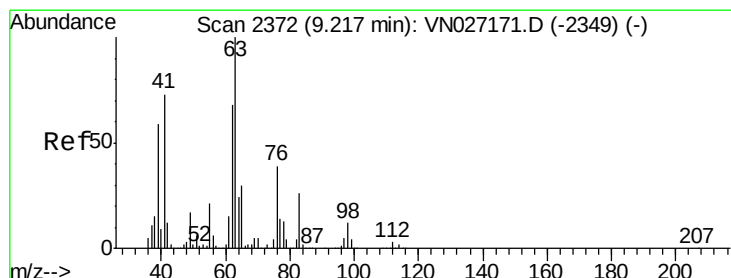
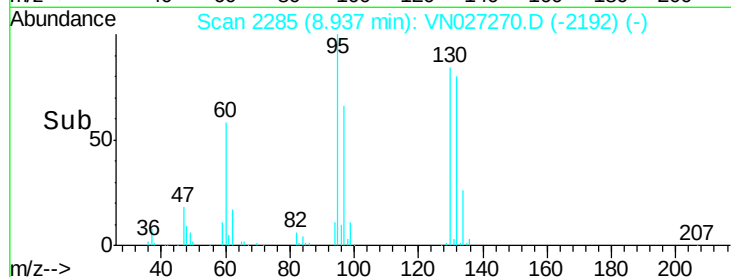
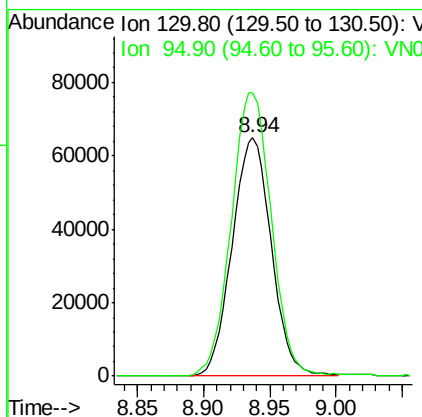
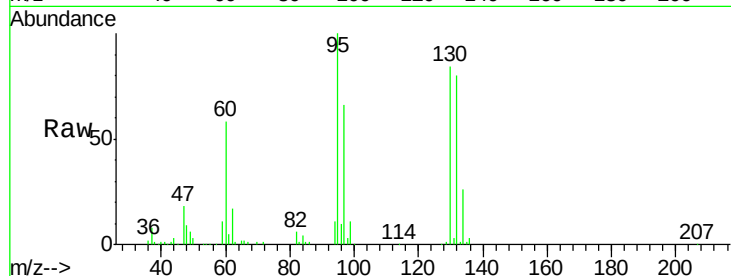
#45
 Trichloroethene
 Concen: 19.59 ug/l
 RT: 8.94 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	118.4	0.0	222.2	

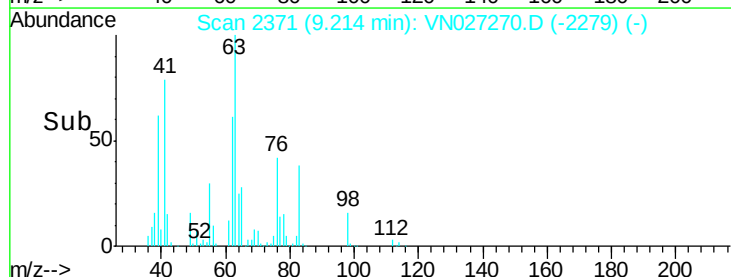
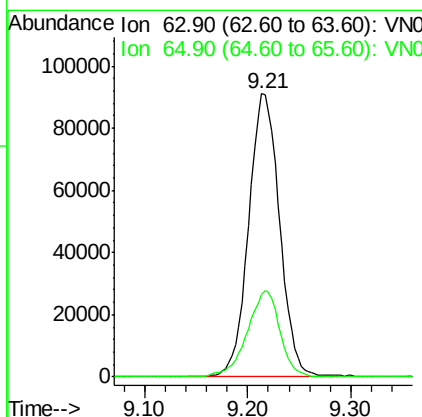
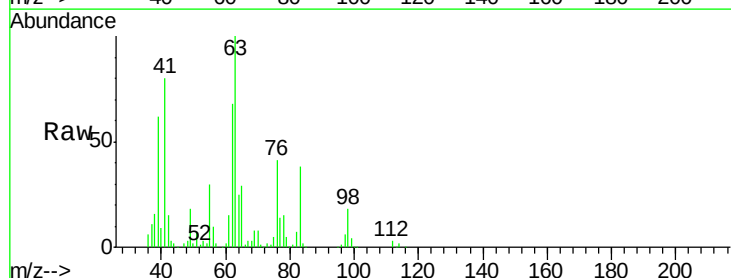
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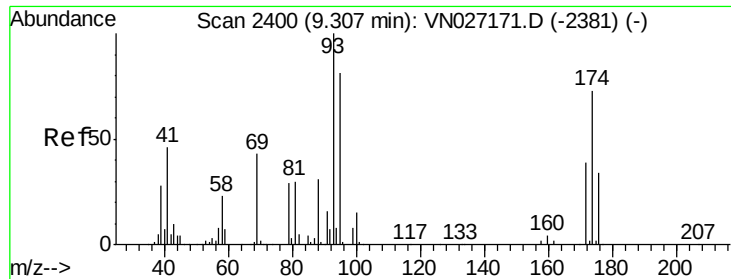
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#46
 1,2-Dichloropropane
 Concen: 19.49 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
65	29.0	24.4	36.6	





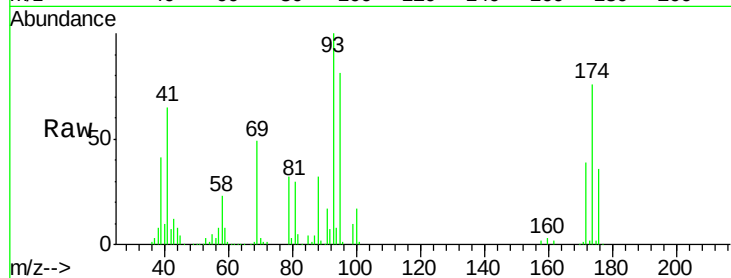
#47
Dibromomethane
Concen: 19.45 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

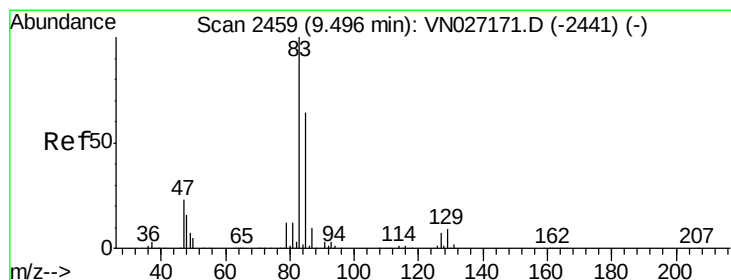
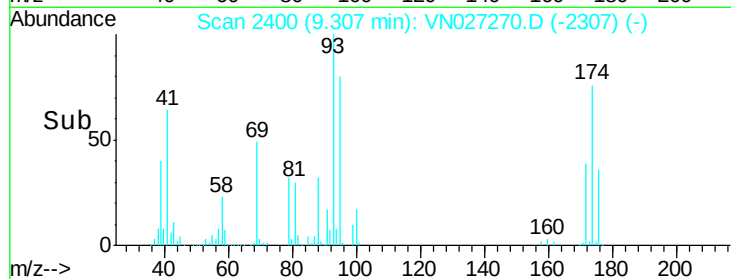
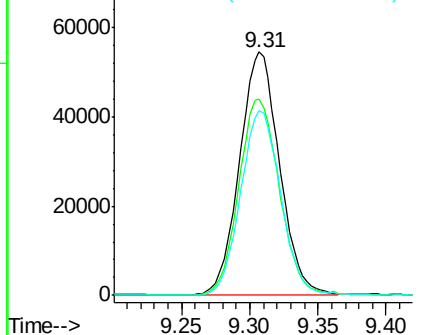
Tot Ion	Ratio	Resp	Lower	Upper
93	100	111358		
95	81.4	66.3	99.5	
174	76.0	67.8	101.6	

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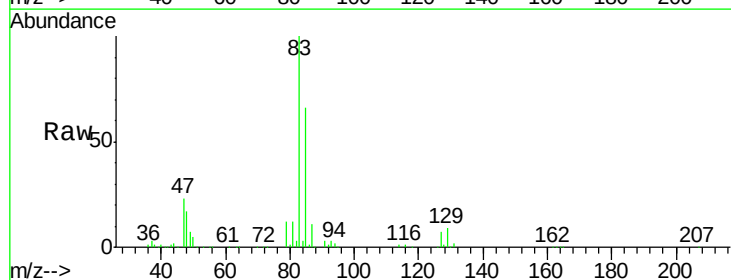


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

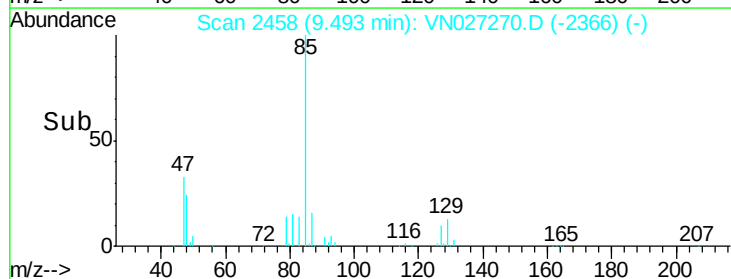
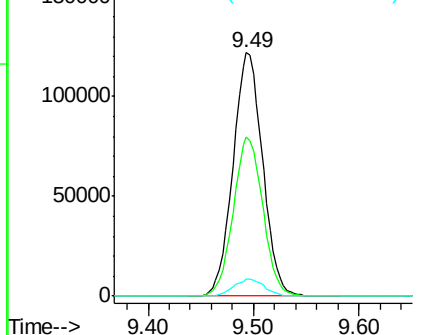


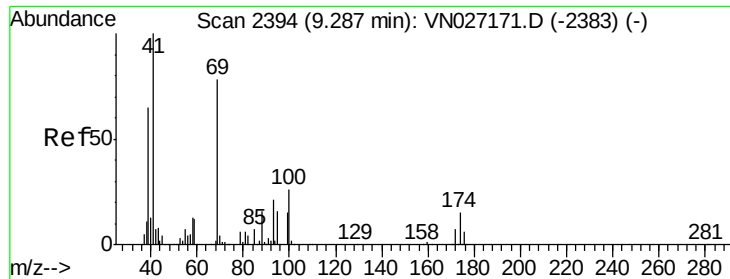
#48
Bromodichloromethane
Concen: 19.68 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	237408		
85	65.6	50.7	76.1	
127	6.8	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





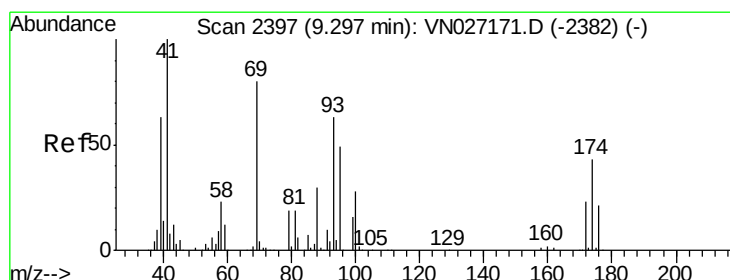
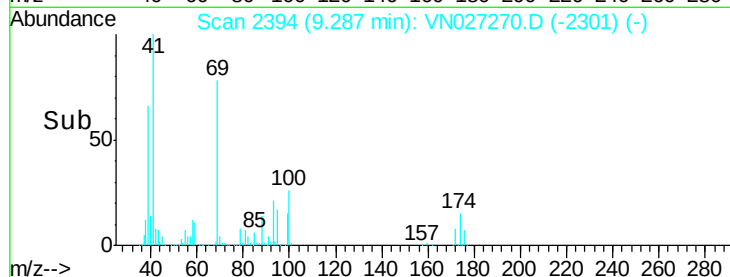
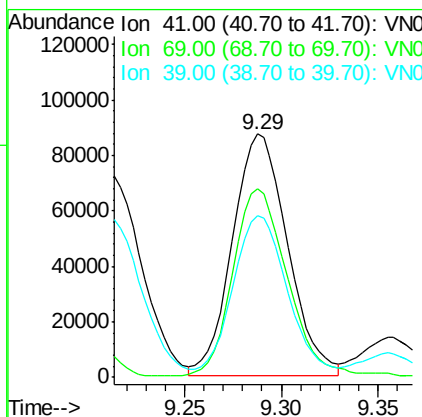
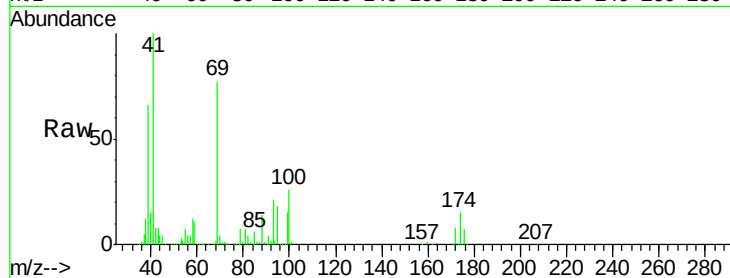
#49
Methvl methacrylate
Concen: 18.71 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
69	76.1	59.3	88.9
39	65.5	39.5	59.3#

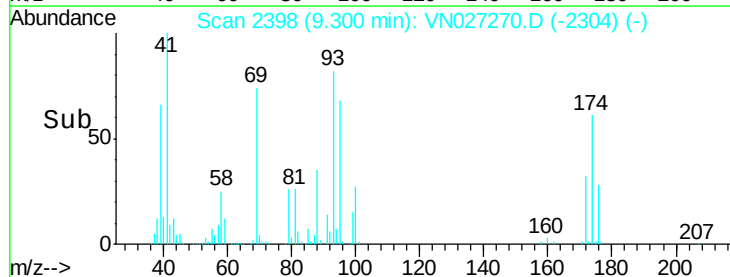
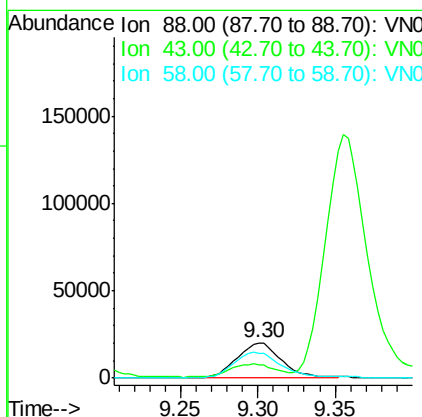
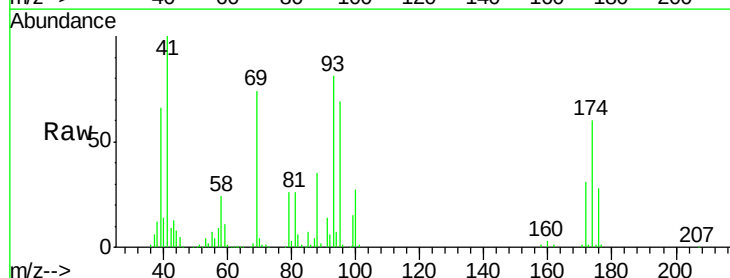
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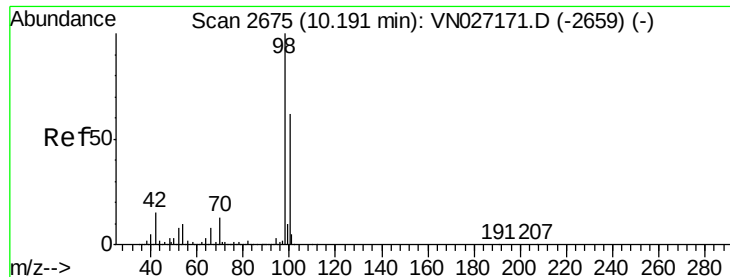
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#50
1,4-Dioxane
Concen: 372.29 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
88	100		
43	37.8	27.6	41.4
58	77.8	63.1	94.7





#51

Toluene-d8

Concen: 48.40 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion: 98 Resp: 1303410

Ion Ratio Lower Upper

98 100

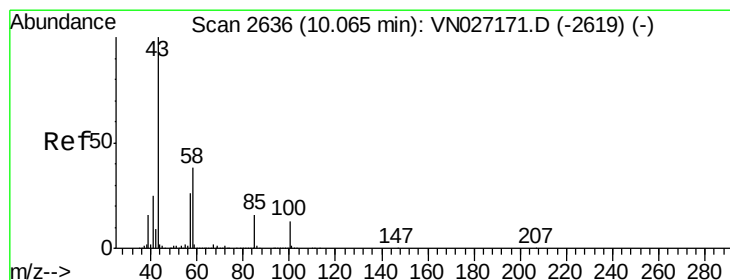
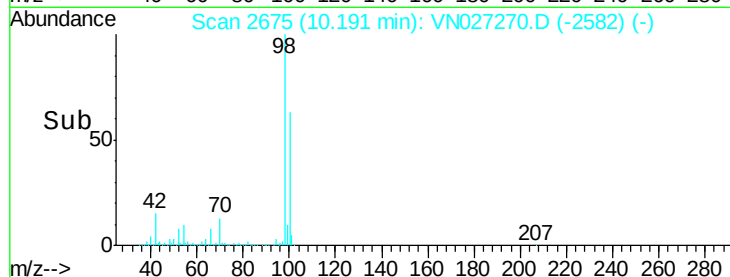
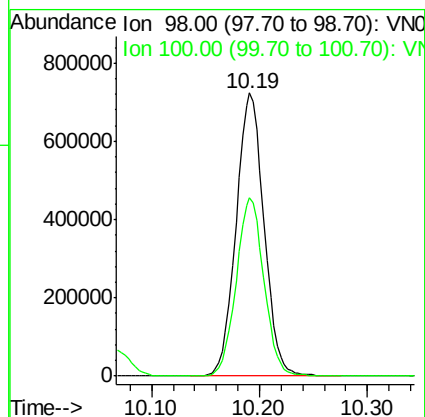
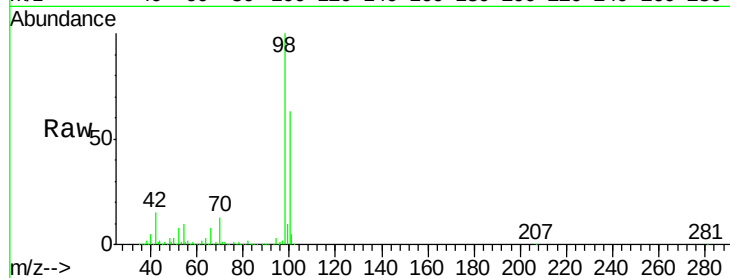
100 62.6 50.5 75.7

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#52

4-Methyl-2-Pentanone

Concen: 97.19 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027270.D

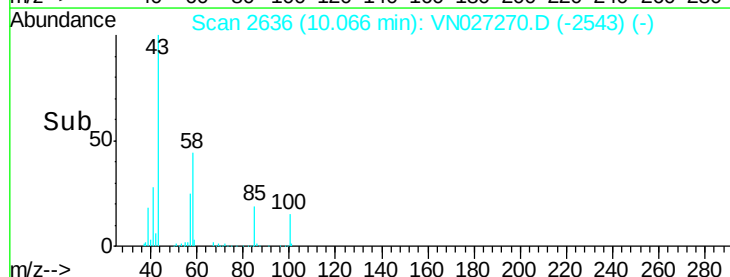
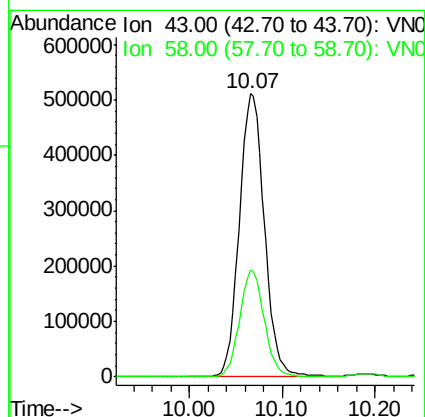
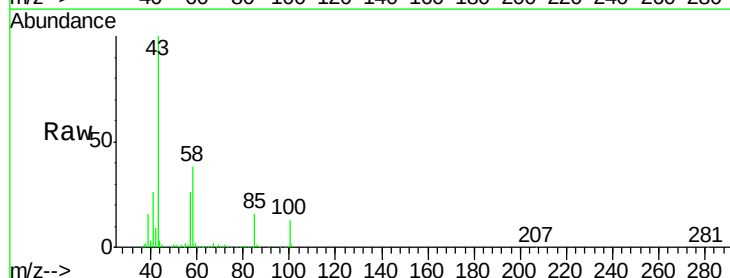
Acq: 17 Sep 2015 23:02

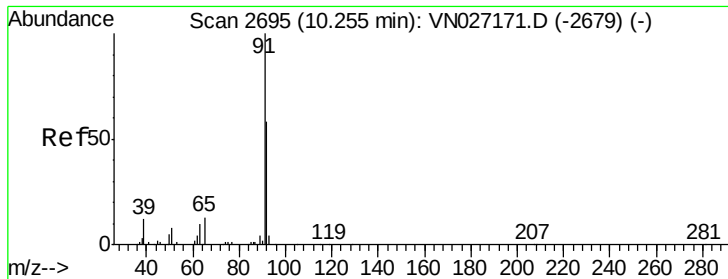
Tgt Ion: 43 Resp: 953843

Ion Ratio Lower Upper

43 100

58 37.4 29.8 44.8





#53

Toluene

Concen: 20.03 ug/l

RT: 10.26 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampled :

VN0917WBS02

Tot Ion: 92 Resp: 397616

Ion Ratio Lower Upper

92 100

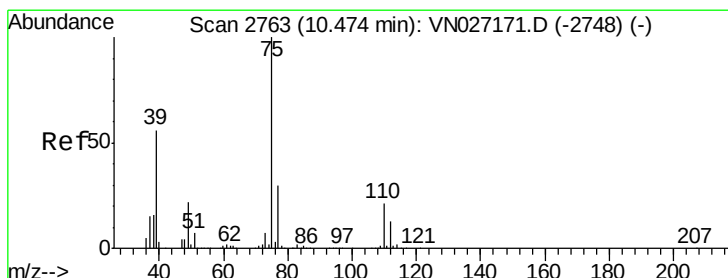
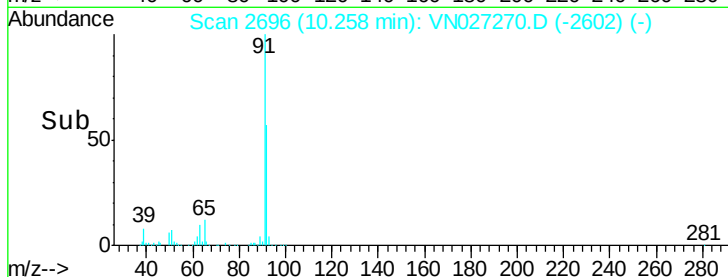
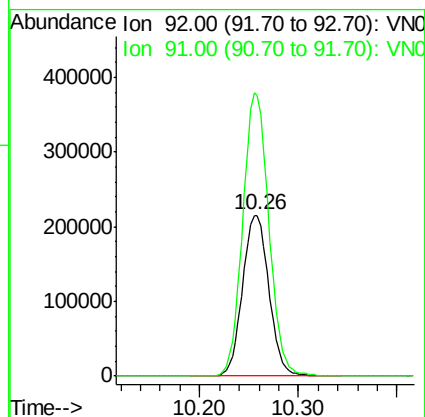
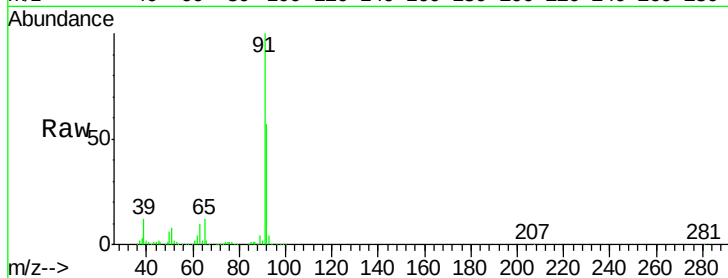
91 174.8 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 18.24 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027270.D

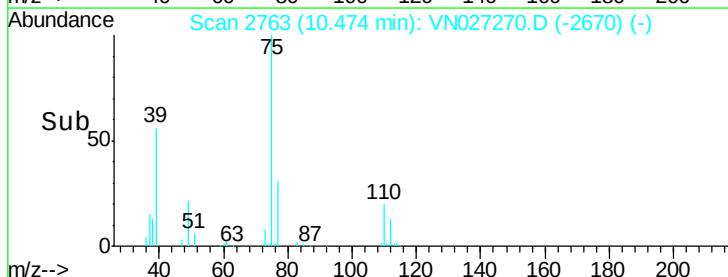
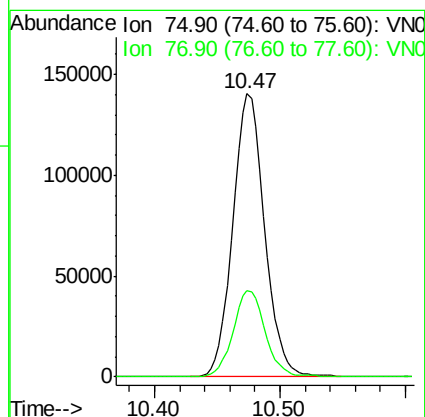
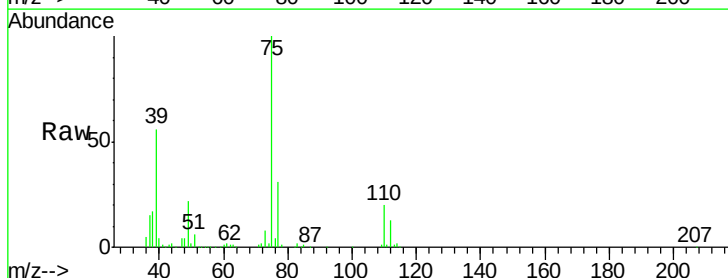
Acq: 17 Sep 2015 23:02

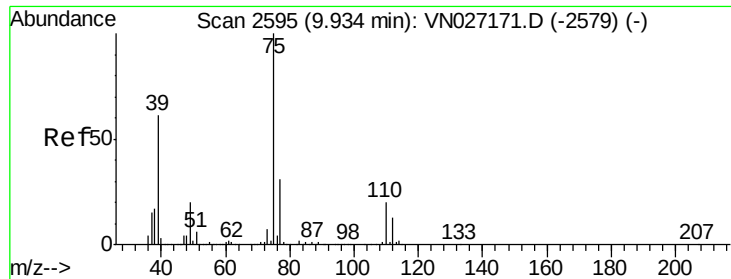
Tgt Ion: 75 Resp: 247147

Ion Ratio Lower Upper

75 100

77 30.5 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 18.23 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

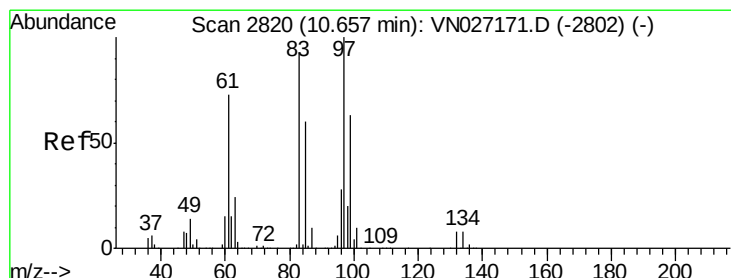
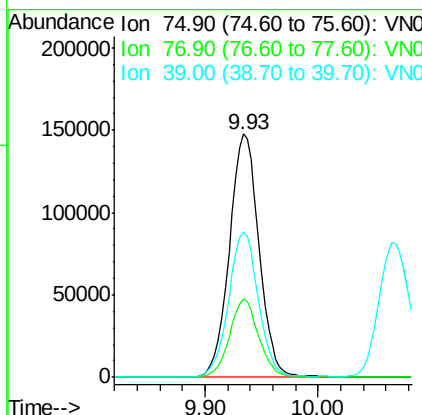
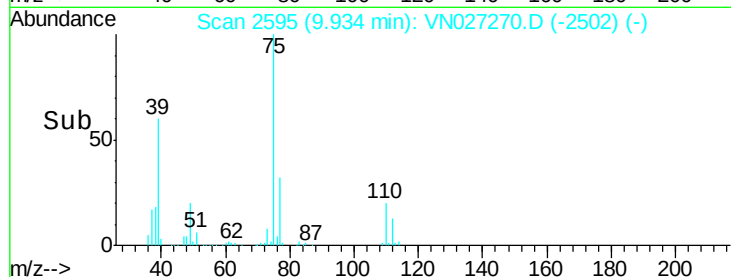
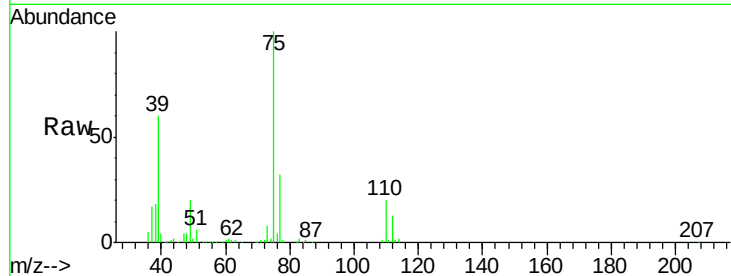
ClientSampleId :

VN0917WBS02

Tot Ion:	75	Resp:	268768
Ion	Ratio	Lower	Upper
75	100		
77	32.4	25.6	38.4
39	59.4	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 20.54 ug/l

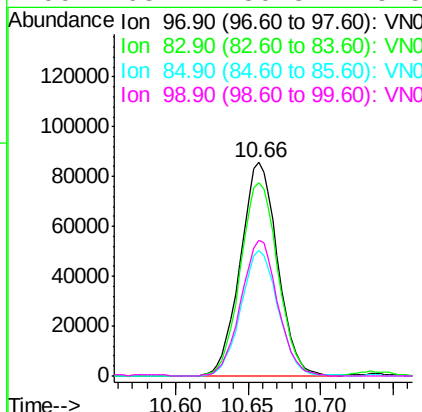
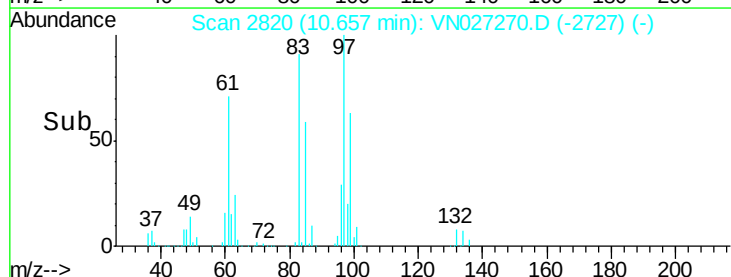
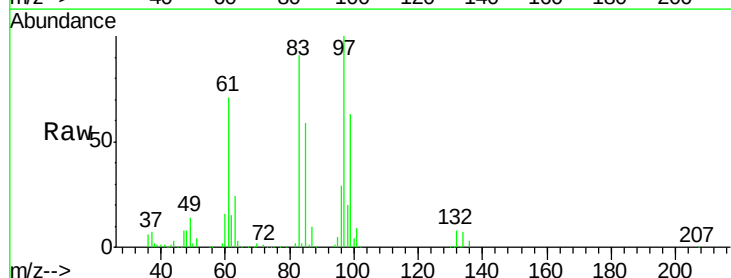
RT: 10.66 min Scan# 2820

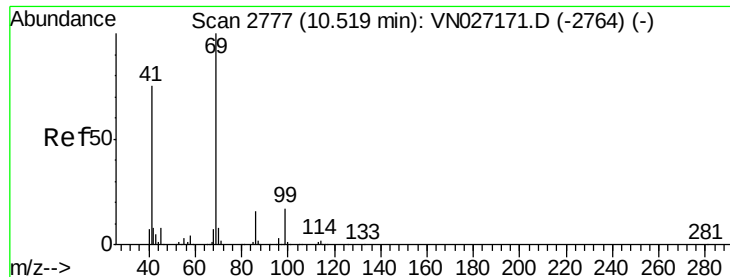
Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Tgt Ion:	97	Resp:	153258
Ion	Ratio	Lower	Upper
97	100		
83	90.8	75.0	112.4
85	58.6	48.0	72.0
99	63.4	50.3	75.5





#57

Ethyl methacrylate

Concen: 19.02 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

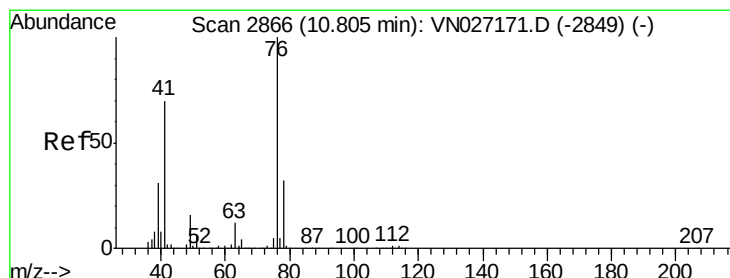
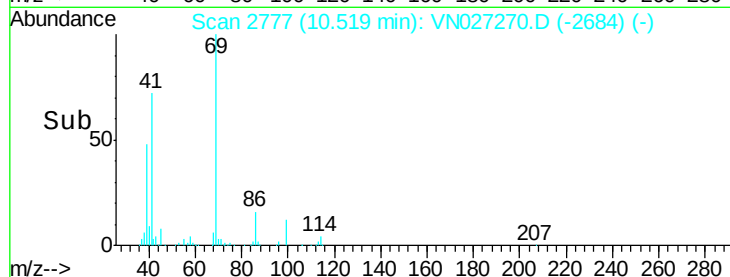
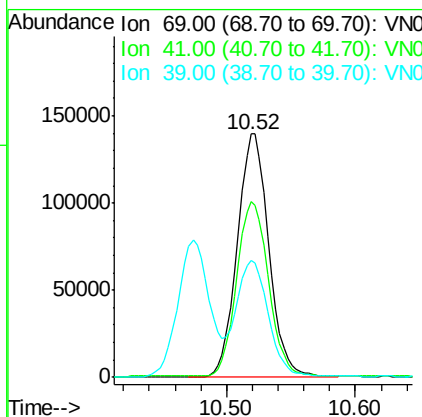
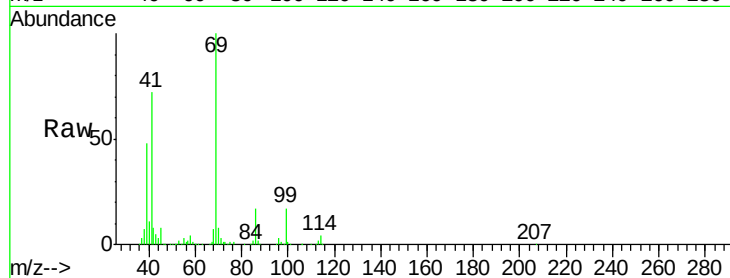
ClientSampleId :

VN0917WBS02

Tot Ion:	69	Resp:	239192
Ion Ratio	Lower	Upper	
69	100		
41	72.0	61.3	91.9
39	46.6	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 19.87 ug/l

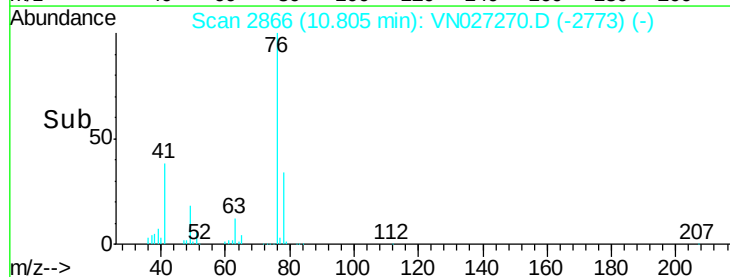
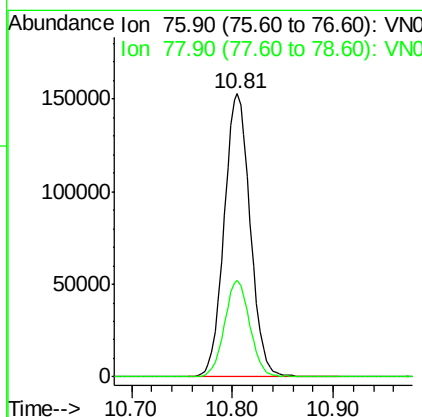
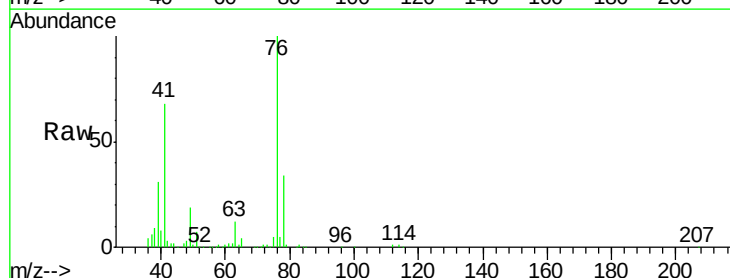
RT: 10.81 min Scan# 2866

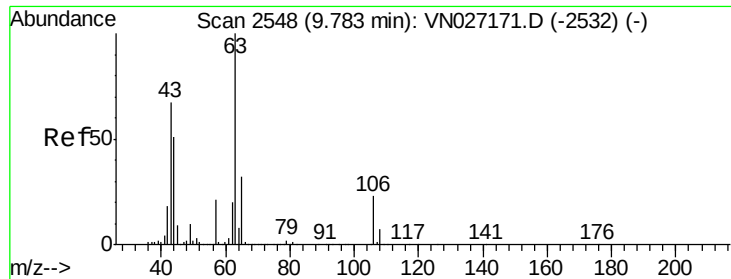
Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Tgt Ion:	76	Resp:	275217
Ion Ratio	Lower	Upper	
76	100		
78	33.4	25.0	37.6





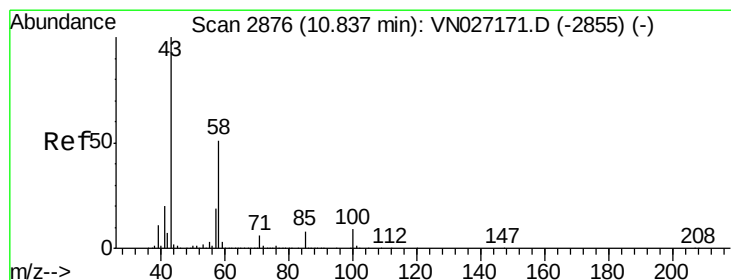
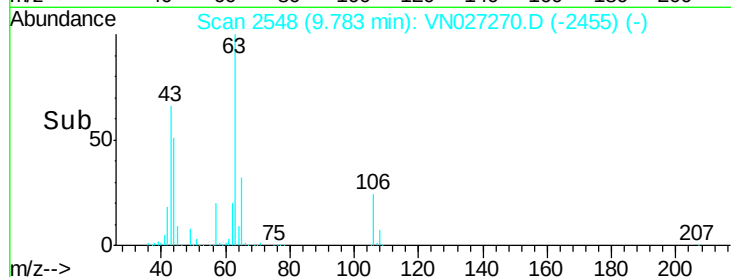
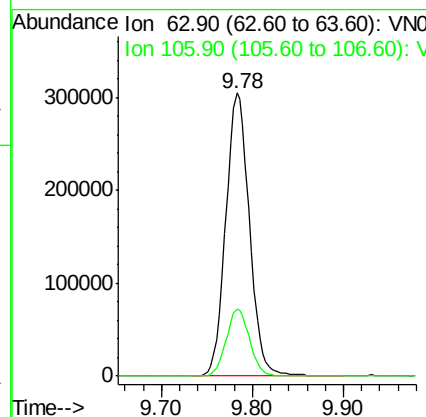
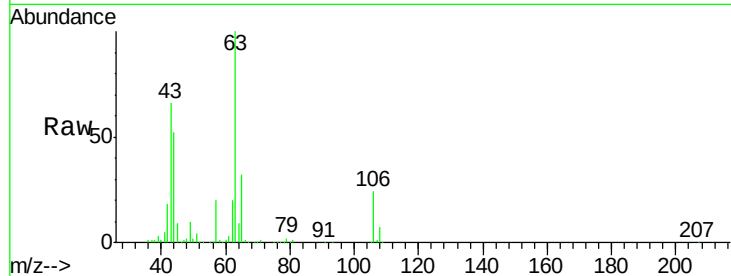
#59
2-Chloroethyl Vinyl ether
Concen: 95.53 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion: 63 Resp: 551485
Ion Ratio Lower Upper
63 100
106 23.5 17.7 26.5

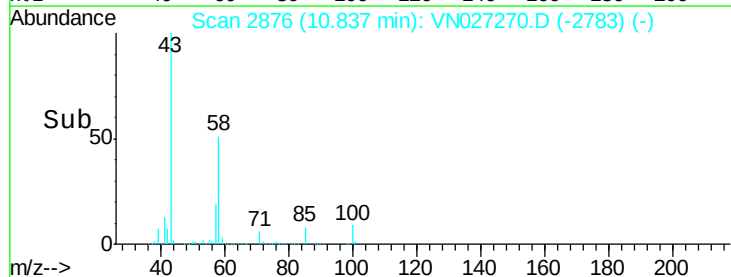
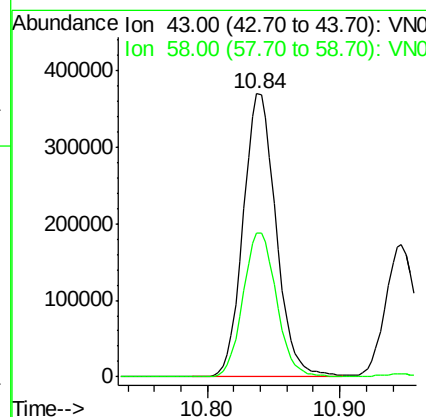
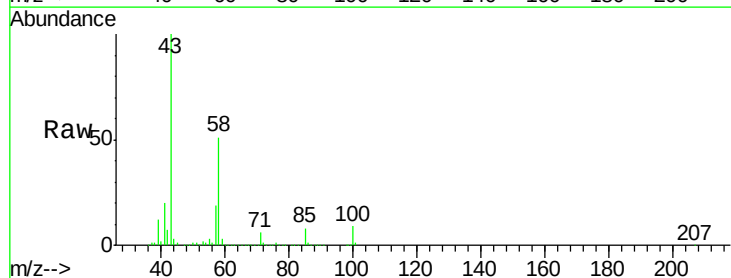
Manual Integrations
APPROVED

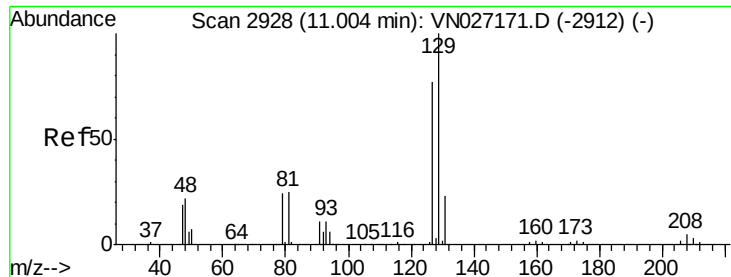
MMDadoda
9/18/2015 12:23:57 PM



#60
2-Hexanone
Concen: 94.82 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion: 43 Resp: 633596
Ion Ratio Lower Upper
43 100
58 52.1 26.2 78.5





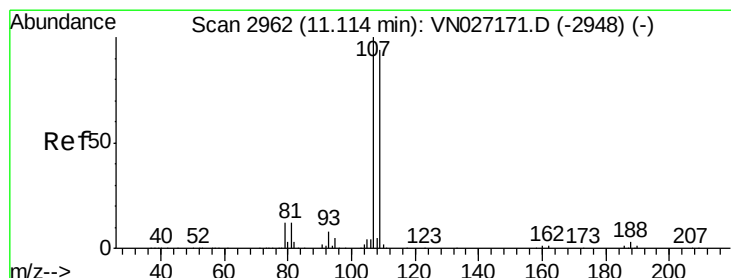
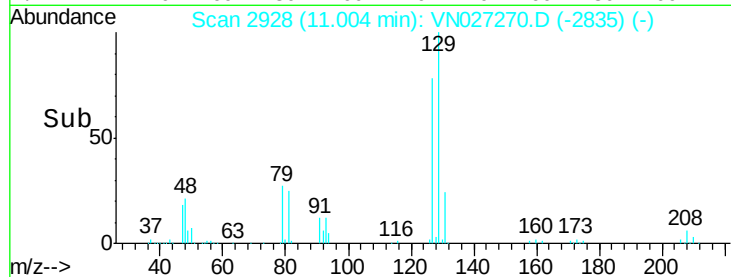
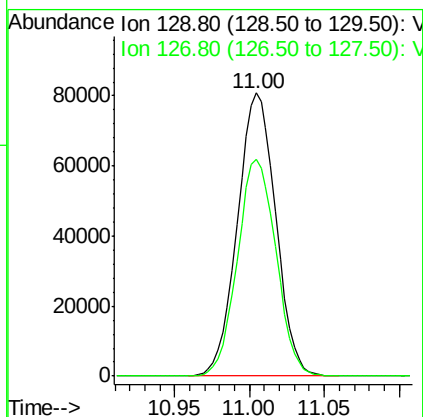
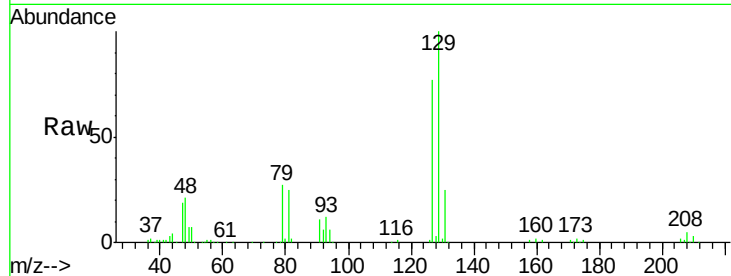
#61
Dibromochloromethane
Concen: 18.91 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion:129 Resp: 144047
Ion Ratio Lower Upper
129 100
127 77.3 39.1 117.2

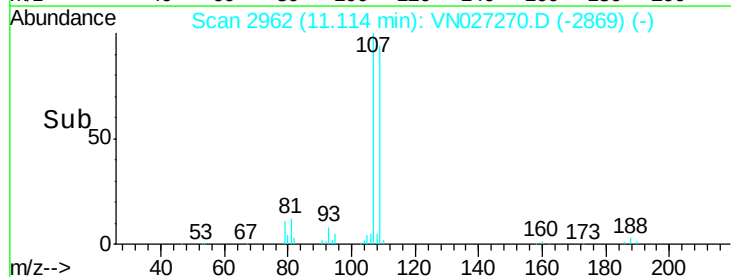
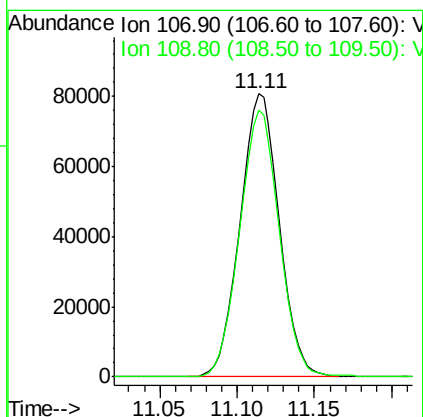
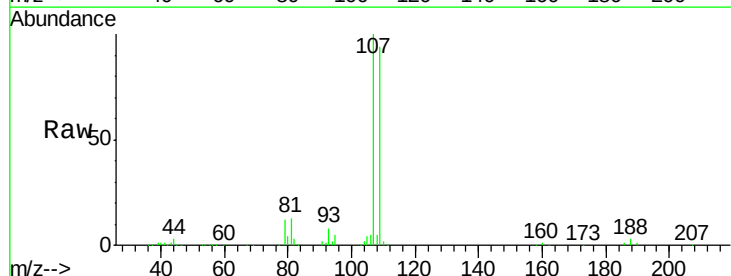
Manual Integrations
APPROVED

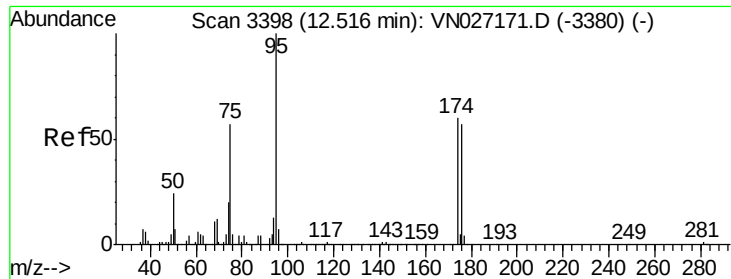
MMDadoda
9/18/2015 12:23:57 PM



#62
1,2-Dibromoethane
Concen: 19.45 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion:107 Resp: 142634
Ion Ratio Lower Upper
107 100
109 95.2 75.6 113.4





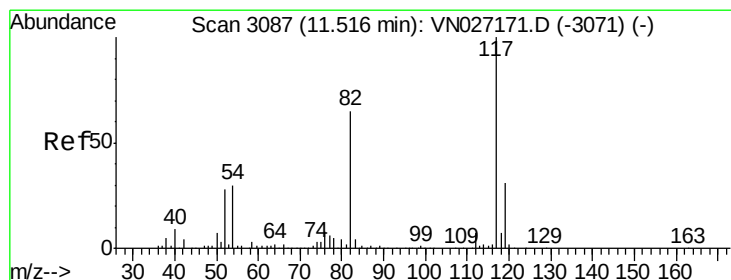
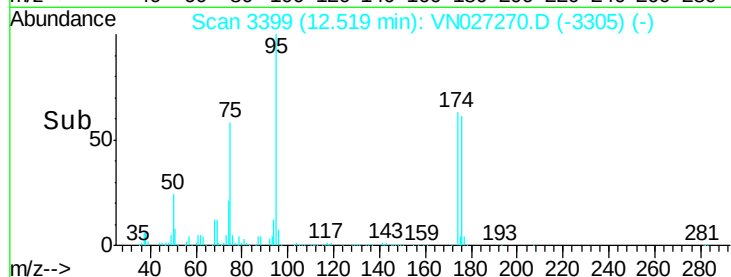
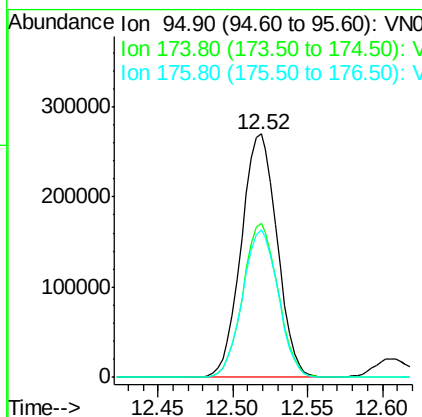
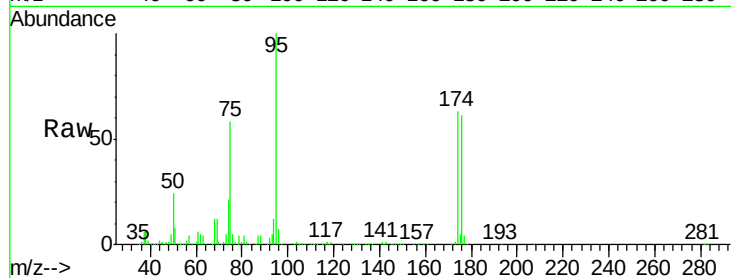
#63
4-Bromofluorobenzene
Concen: 47.09 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	Ratio	Resp	Lower	Upper
95	100	450117		
174	62.3	0.0	137.0	
176	60.2	0.0	130.8	

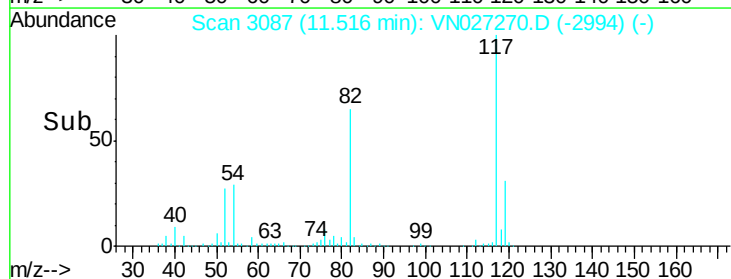
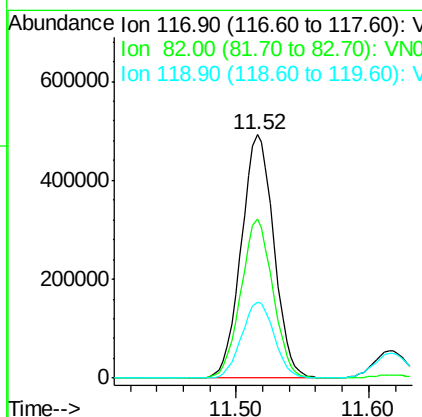
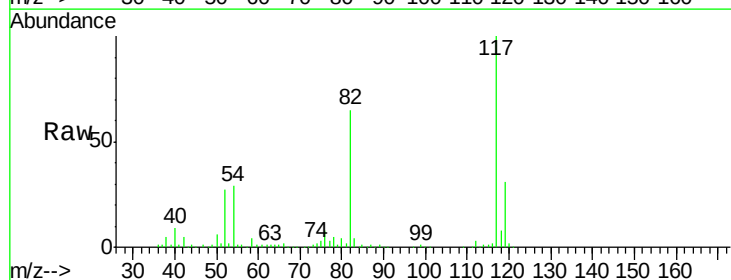
Manual Integrations
APPROVED

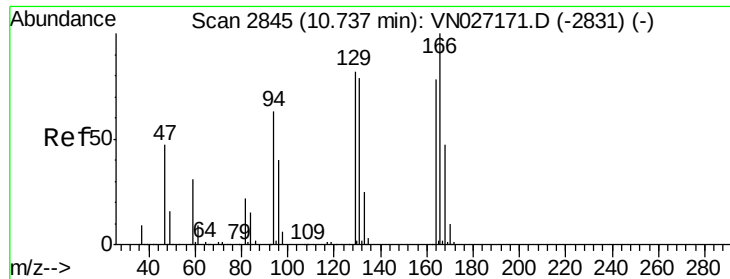
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9/18/2015 12:23:57 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	840617		
82	65.2	49.6	74.4	
119	31.3	24.6	36.8	





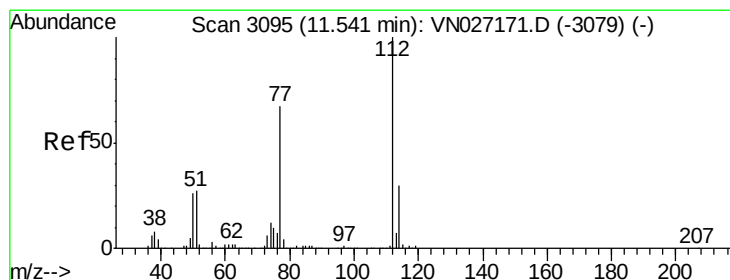
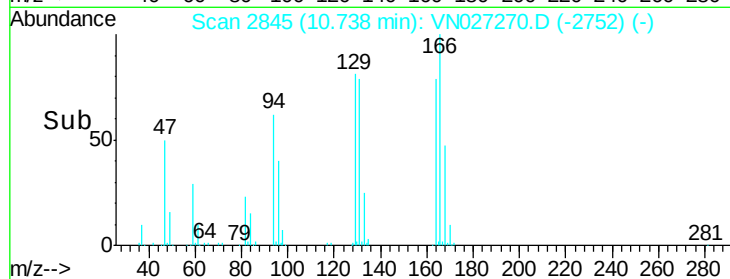
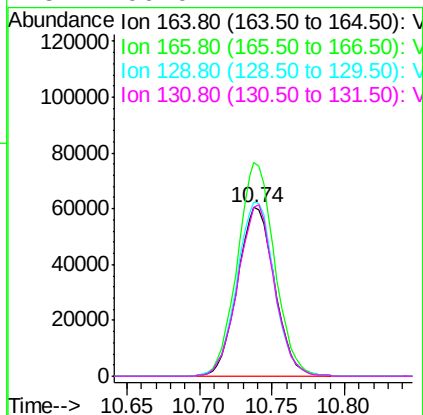
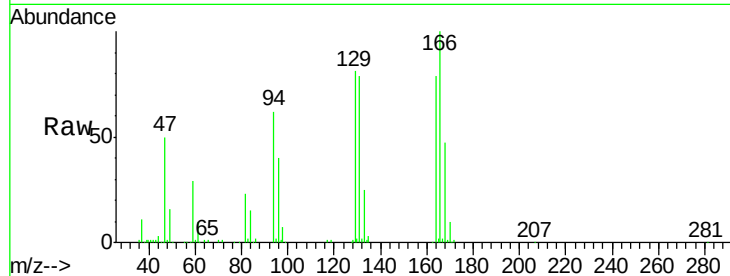
#65
Tetrachloroethene
Concen: 20.06 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	126.6	107831	103.4	155.0
129	102.9		77.5	116.3
131	100.0		74.2	111.4

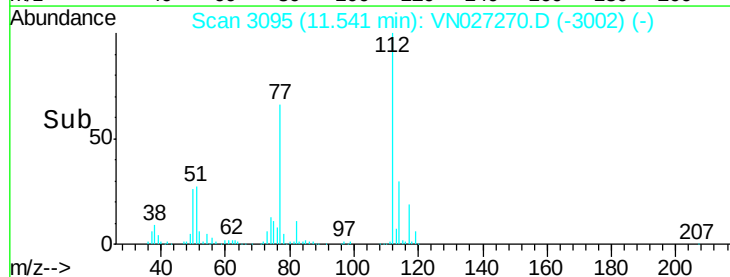
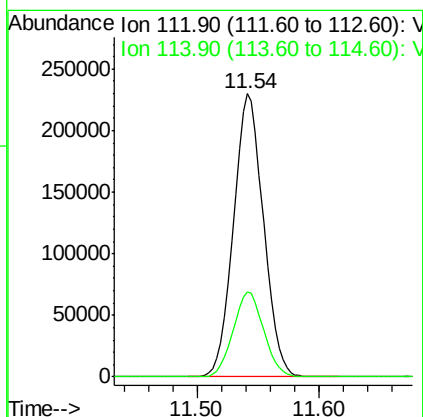
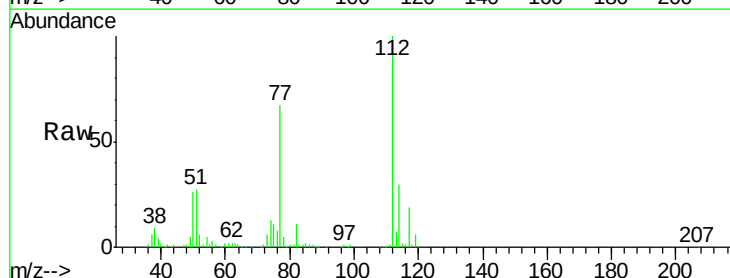
Manual Integrations
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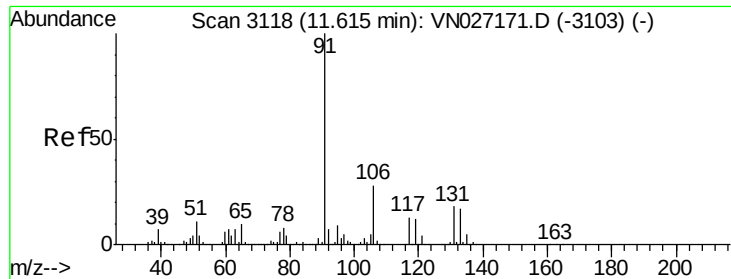
MMDadoda
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#66
Chlorobenzene
Concen: 19.69 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	390745		
114	30.1		24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 19.88 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

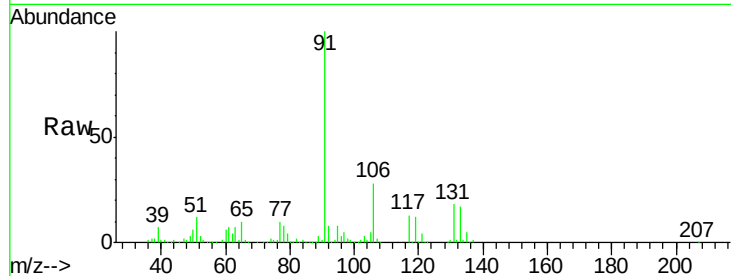
ClientSampled :

VN0917WBS02

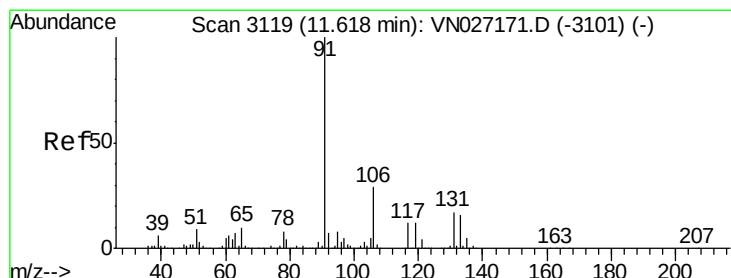
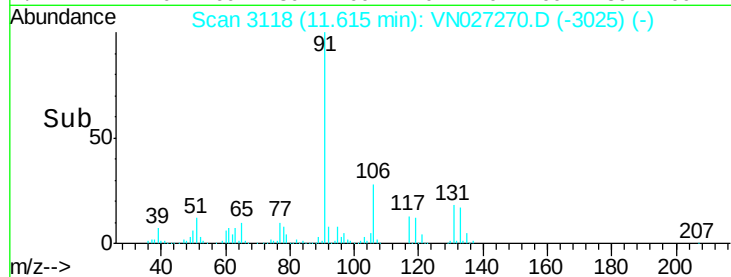
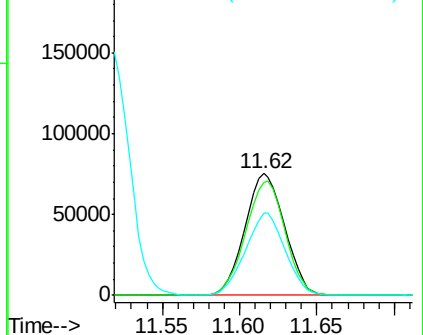
Tot Ion:	131	Resp:	134600
Ion Ratio	Lower	Upper	
131	100		
133	93.2	47.0	141.2
119	67.6	35.1	105.5

Manual Integrations
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Abundance Ion 130.80 (130.50 to 131.50): V
Ion 132.80 (132.50 to 133.50): V
Ion 118.80 (118.50 to 119.50): V



#68

Ethyl Benzene

Concen: 19.81 ug/l

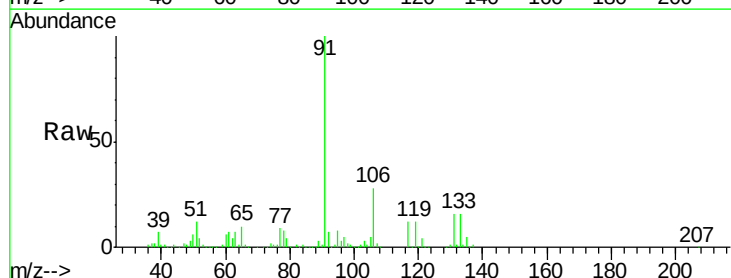
RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

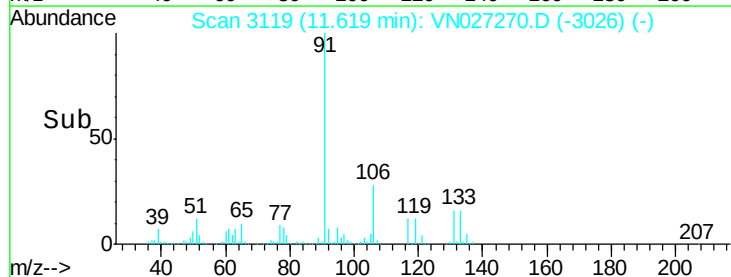
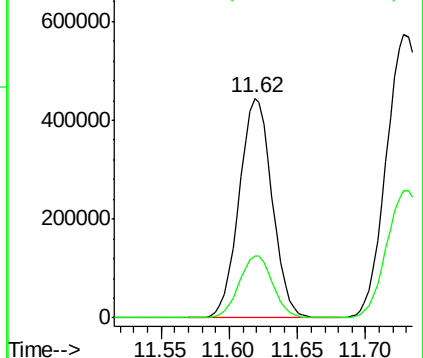
Lab File: VN027270.D

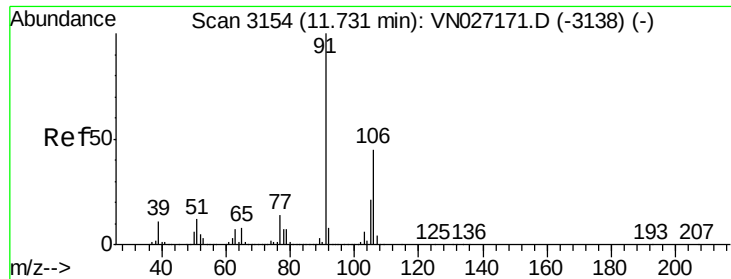
Acq: 17 Sep 2015 23:02

Tgt Ion:	91	Resp:	745542
Ion Ratio	Lower	Upper	
91	100		
106	28.4	23.1	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V





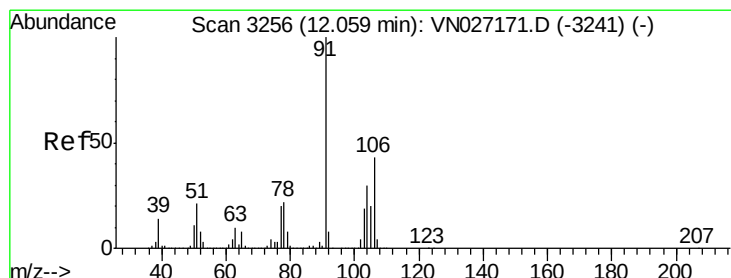
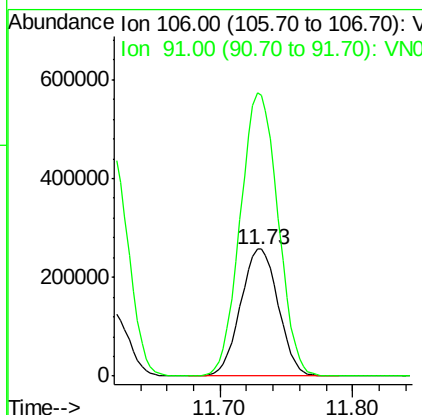
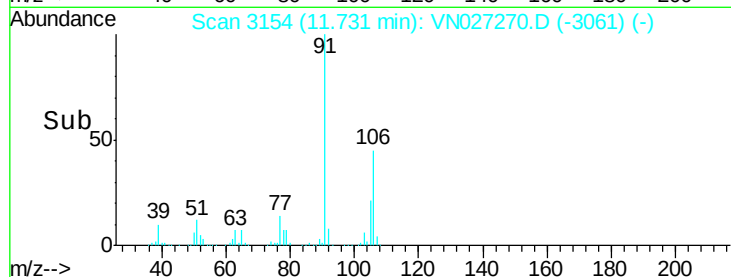
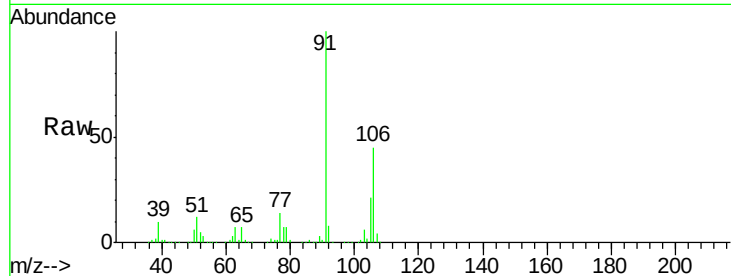
#69
m/p-Xylenes
Concen: 38.97 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		505928		
91	223.3	167.1	250.7		

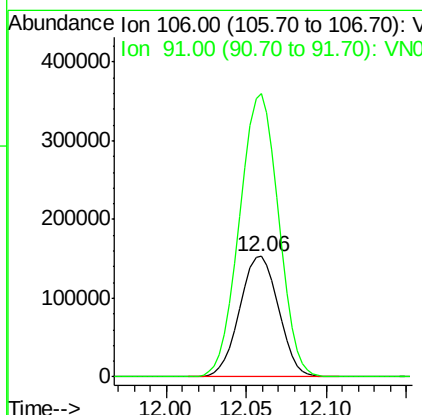
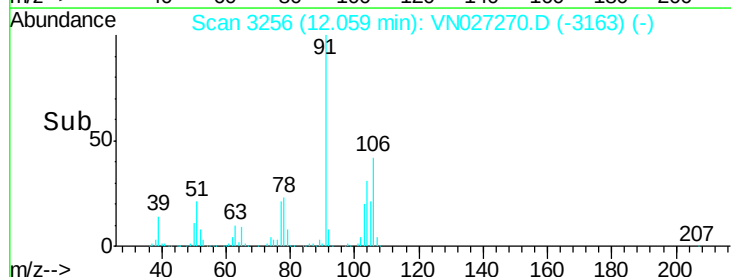
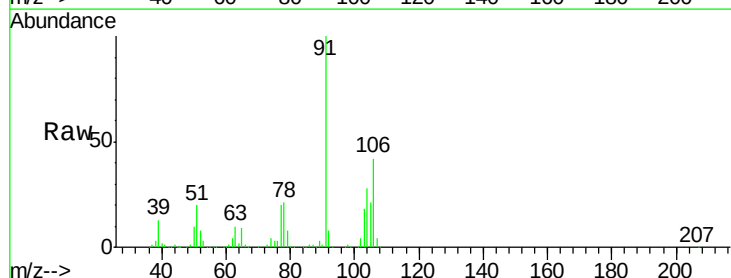
Manual Integrations
APPROVED

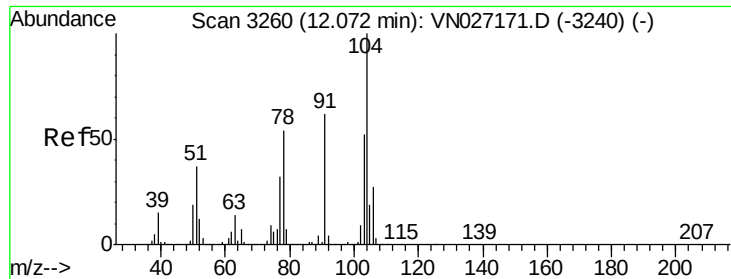
MMDadoda
9/18/2015 12:23:57 PM



#70
o-Xylene
Concen: 19.50 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		253852		
91	236.2	110.7	331.9		





#71

Stvrene

Concen: 19.62 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion:104 Resp: 412158

Ion Ratio Lower Upper

104 100

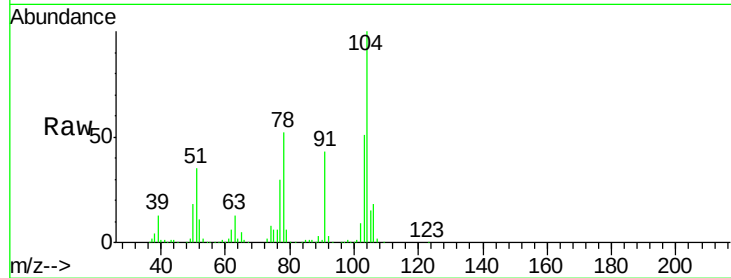
78 59.6 41.6 62.4

103 55.1 44.2 66.2

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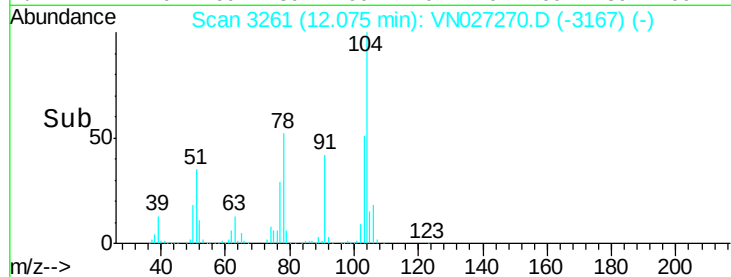


Abundance Ion 104.00 (103.70 to 104.70): V

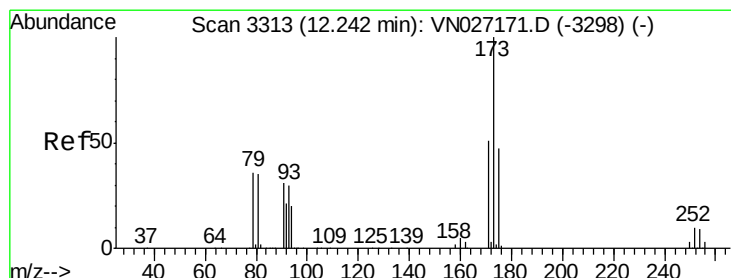
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V

Time-->



Time-->



#72

Bromoform

Concen: 18.83 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

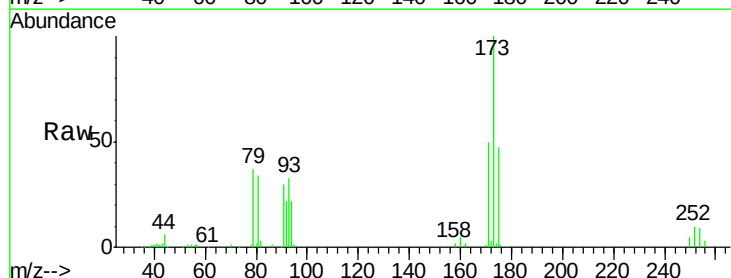
Tgt Ion:173 Resp: 88634

Ion Ratio Lower Upper

173 100

175 48.3 24.4 73.4

254 0.0 0.1 0.1#

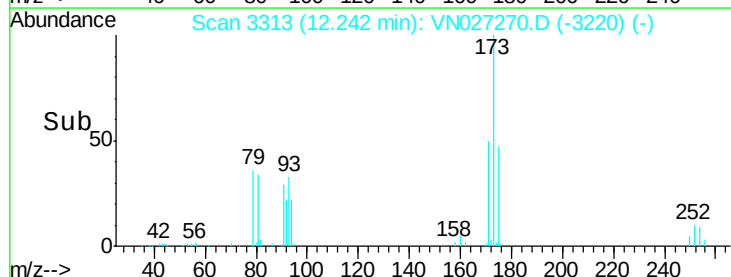


Abundance Ion 172.70 (172.40 to 173.40): V

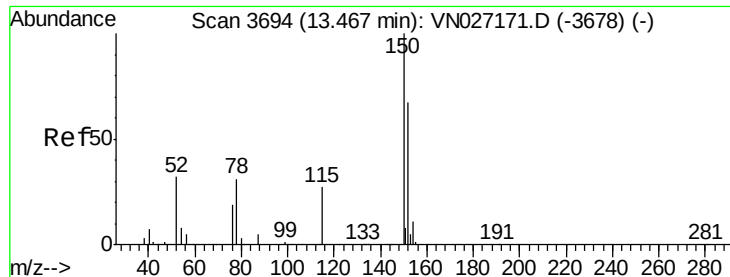
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

Time-->



Time-->



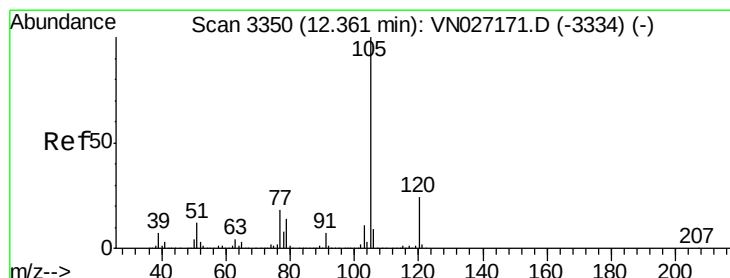
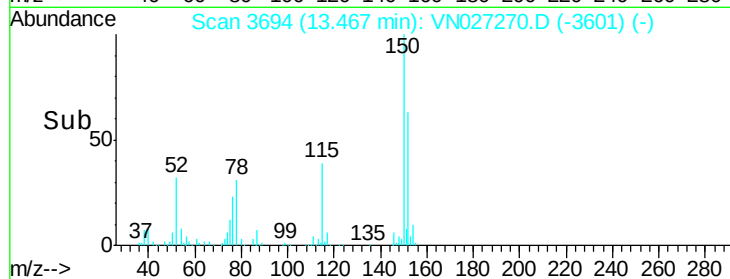
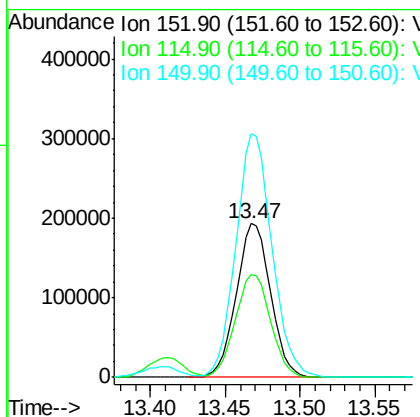
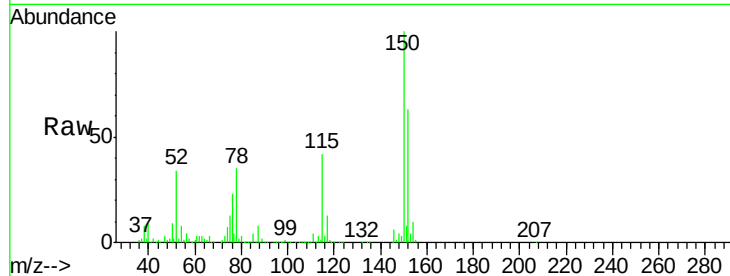
#73
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.47 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Lower	Upper
152	100		
115	68.2	30.8	92.3
150	166.3	0.0	345.0

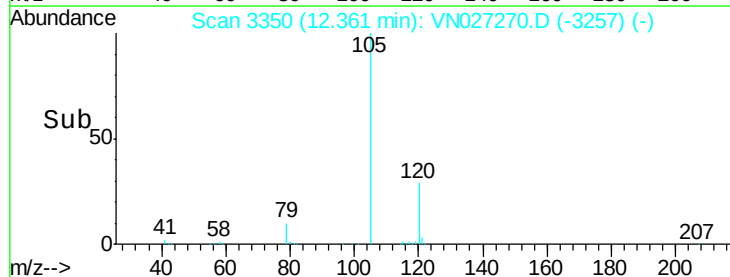
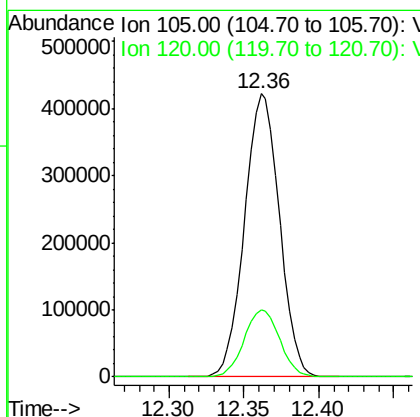
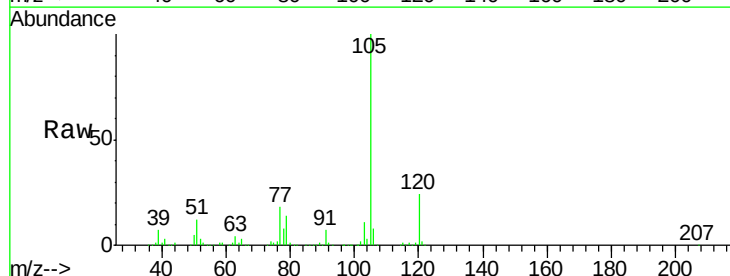
Manual Integrations
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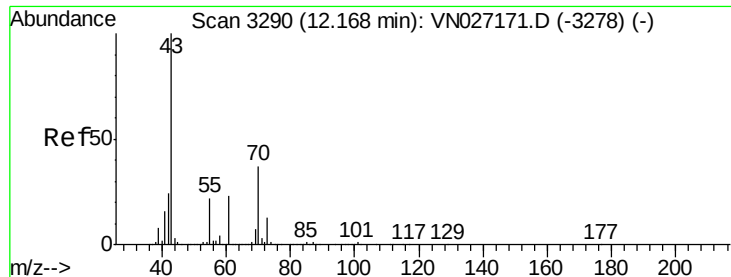
MMDadoda
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#74
 Isopropylbenzene
 Concen: 20.19 ug/l
 RT: 12.36 min Scan# 3350
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.2	12.4	37.2





#75

N-amyl acetate

Concen: 18.90 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

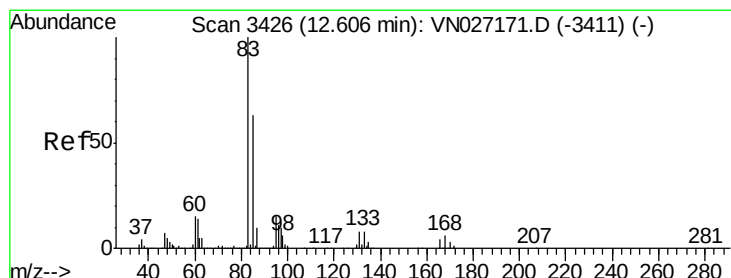
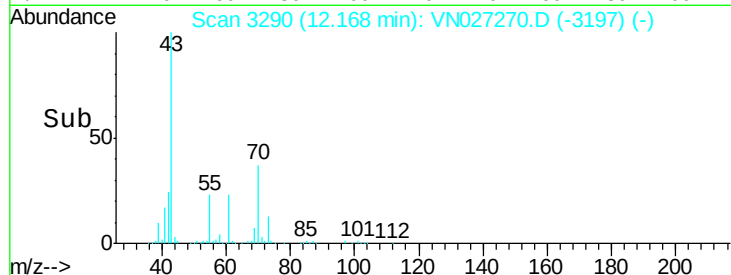
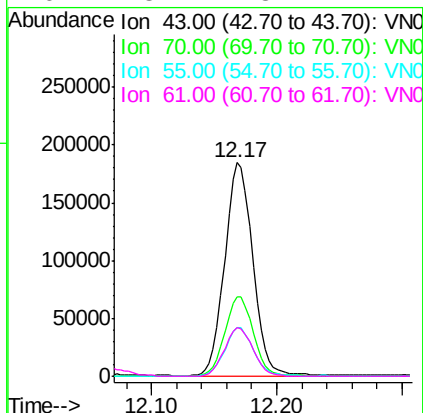
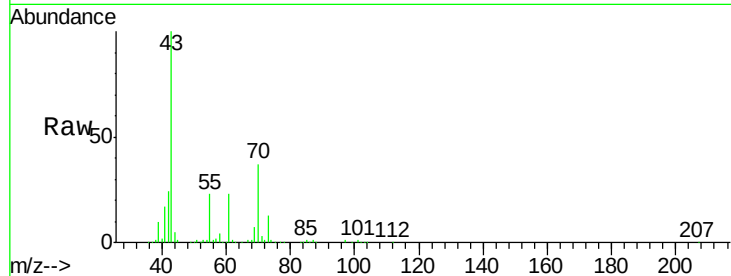
ClientSampled :

VN0917WBS02

Tot Ion	43	Resp	286257
Ion Ratio	Lower	Upper	
43	100		
70	38.0	29.8	44.8
55	23.3	19.4	29.0
61	23.1	18.2	27.2

Manual Integrations
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#76

1,1,2,2-Tetrachloroethane

Concen: 21.23 ug/l

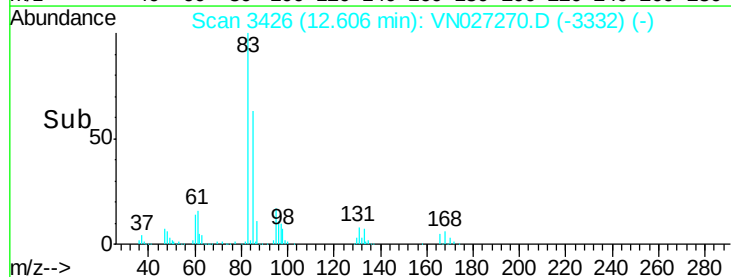
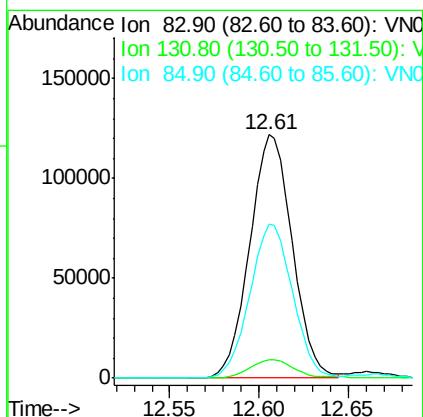
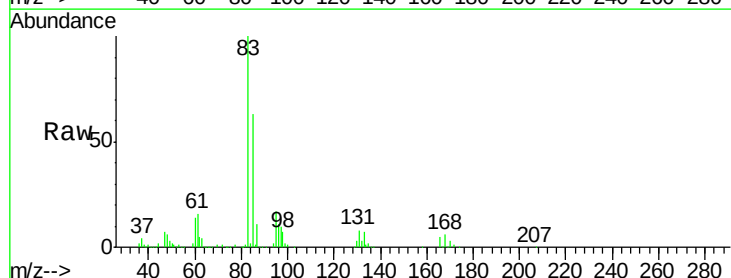
RT: 12.61 min Scan# 3426

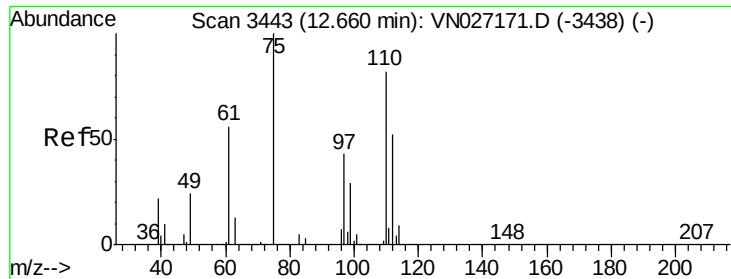
Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Tgt Ion	83	Resp	203408
Ion Ratio	Lower	Upper	
83	100		
131	7.8	4.1	12.3
85	63.7	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 18.90 ug/l m

RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampled :

VN0917WBS02

Tot Ion: 75 Resp: 175927

Ion Ratio Lower Upper

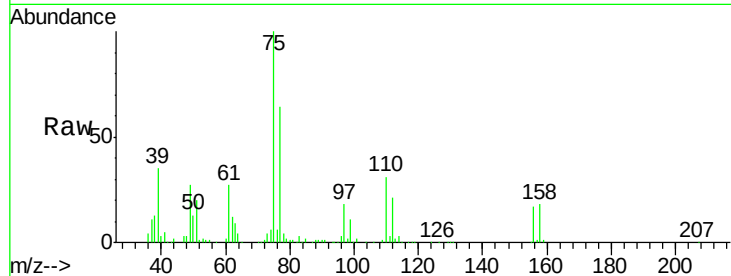
75 100

77 209.5 103.1 309.3

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Abundance Ion 74.90 (74.60 to 75.60): VN027270.D (-3350) (-)

Ion 77.00 (76.70 to 77.70): VN027270.D (-3350) (-)

200000

150000

100000

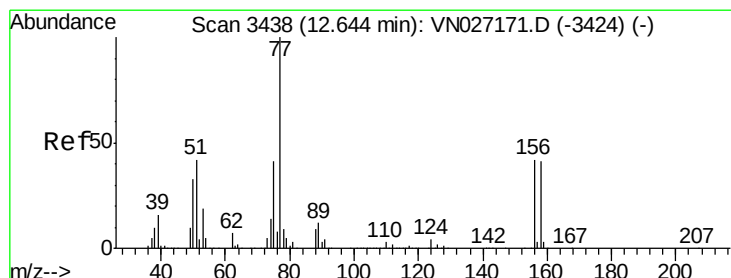
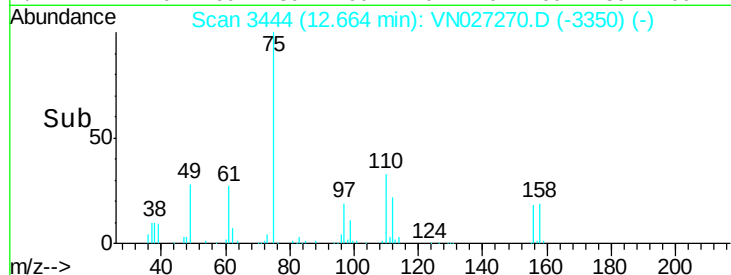
50000

0

12.65

12.70

Time-->



#78

Bromobenzene

Concen: 19.80 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

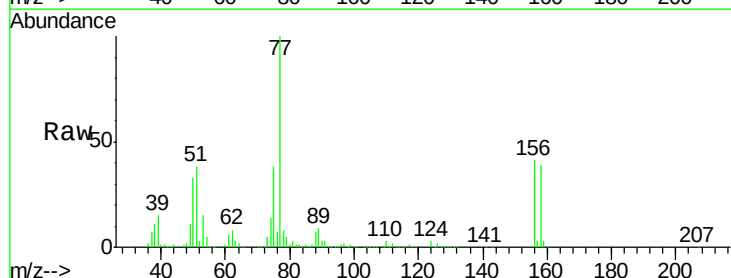
Tgt Ion: 156 Resp: 131772

Ion Ratio Lower Upper

156 100

77 279.7 127.3 381.9

158 99.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): VN027270.D (-3345) (-)

Ion 77.00 (76.70 to 77.70): VN027270.D (-3345) (-)

Ion 157.80 (157.50 to 158.50): VN027270.D (-3345) (-)

250000

200000

150000

100000

50000

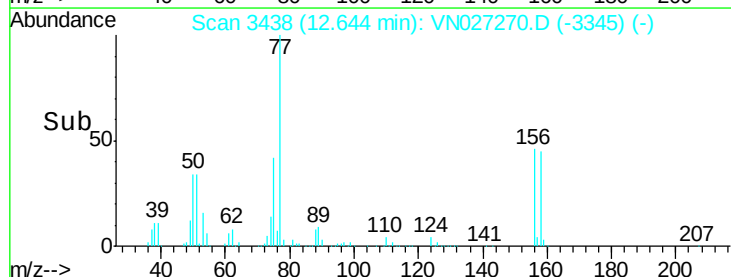
0

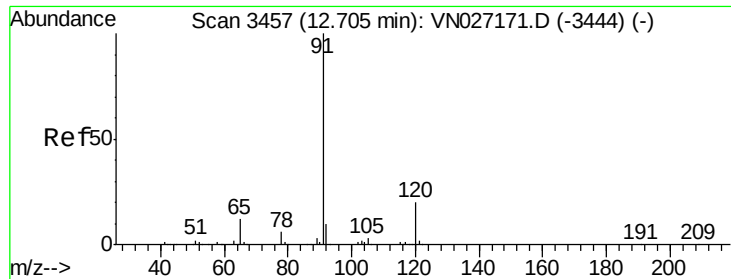
12.60

12.65

12.70

Time-->





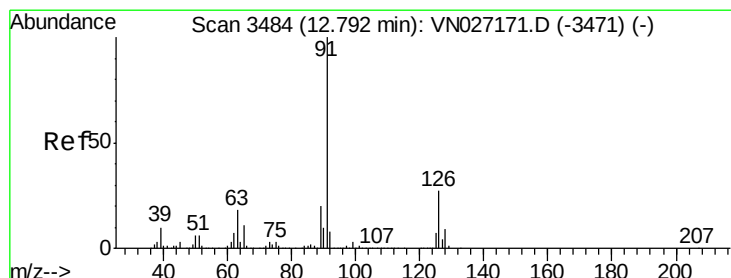
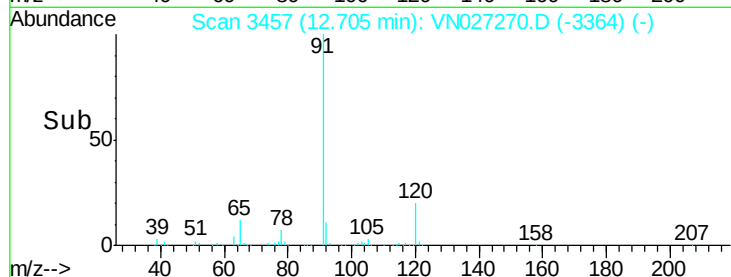
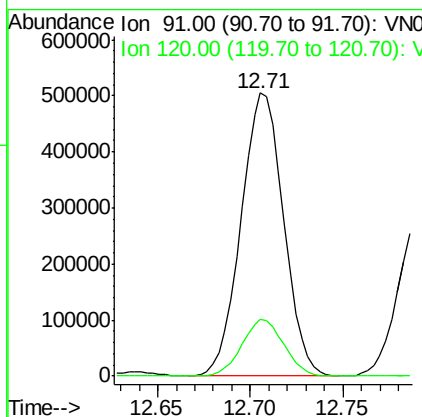
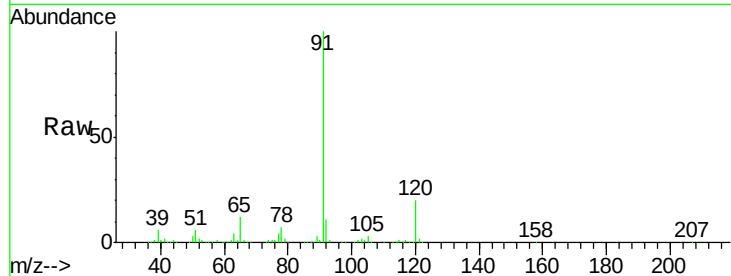
#79
n-propylbenzene
Concen: 20.07 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion: 91 Resp: 801551
Ion Ratio Lower Upper
91 100
120 19.8 10.3 30.8

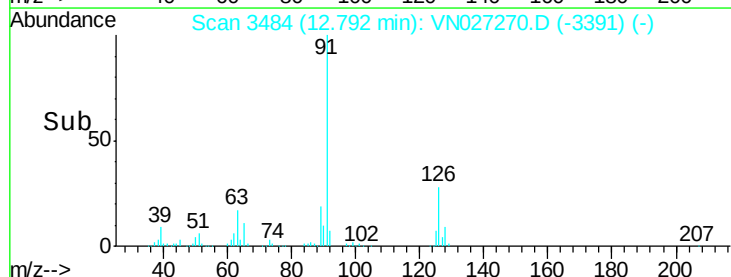
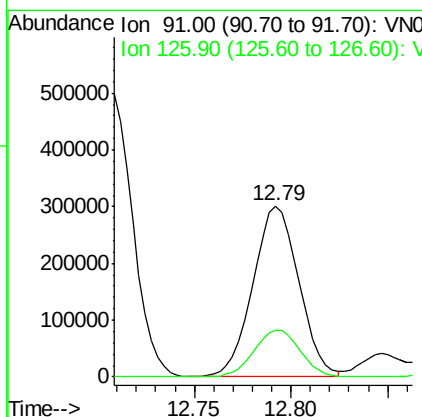
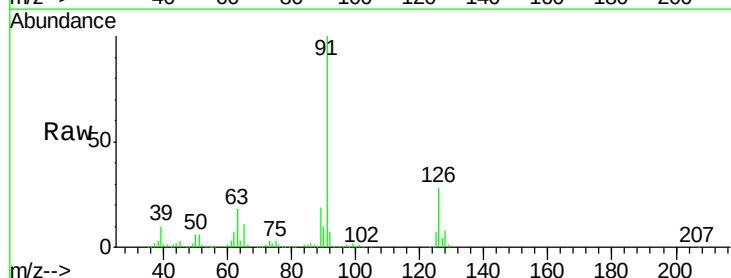
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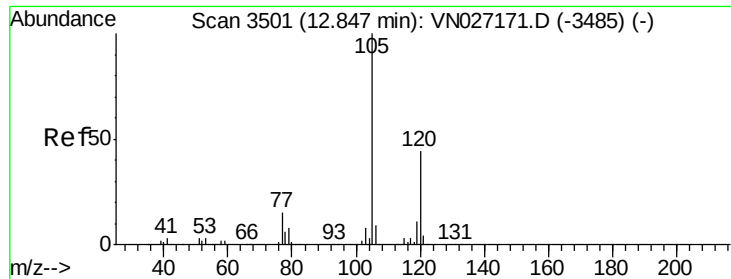
MMDadoda
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#80
2-Chlorotoluene
Concen: 20.63 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion: 91 Resp: 494635
Ion Ratio Lower Upper
91 100
126 27.7 15.2 45.5





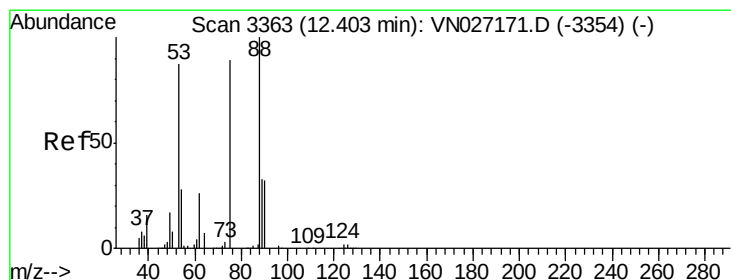
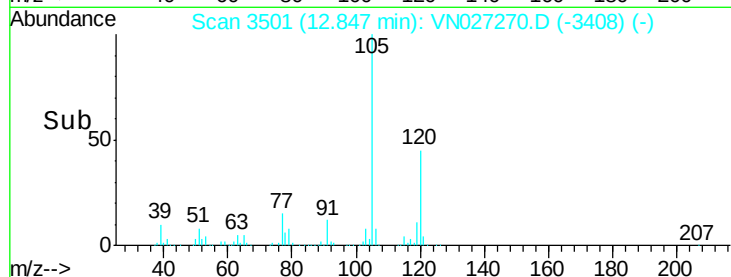
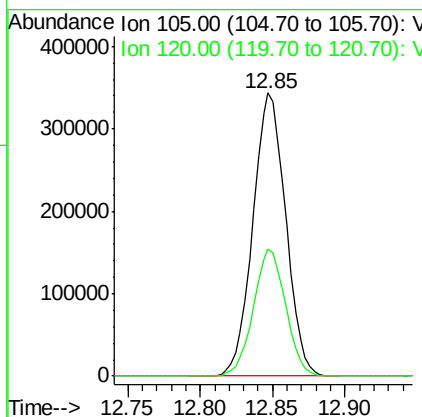
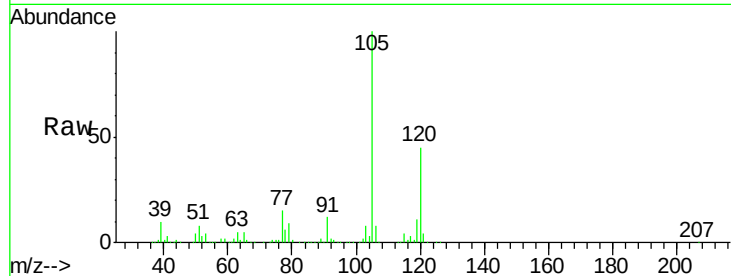
#81
 1,3,5-Trimethylbenzene
 Concen: 19.82 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampled :
 VN0917WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	44.1	23.4	70.0

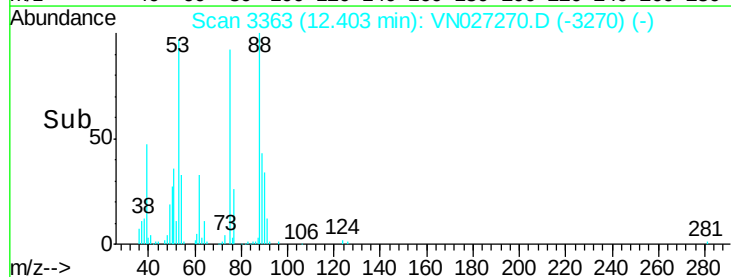
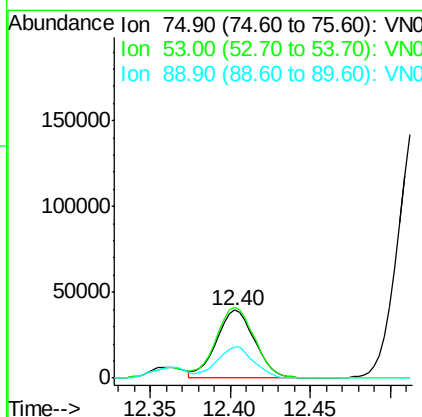
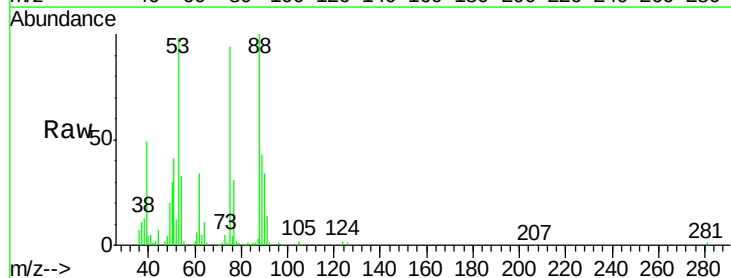
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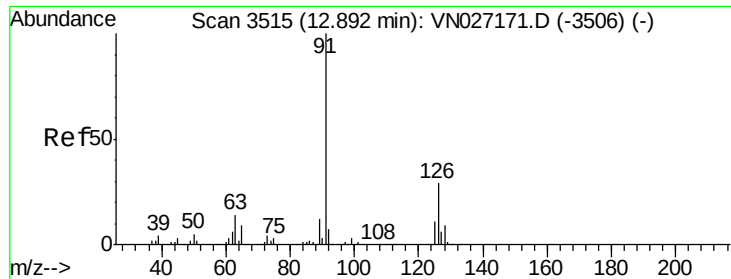
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 9/18/2015 12:23:57 PM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 17.33 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.3	92.9	139.3
89	44.1	34.2	51.4





#83

4-Chlorotoluene

Concen: 19.95 ug/l

RT: 12.89 min Scan# 3515

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS02

Tot Ion: 91 Resp: 469948

Ion Ratio Lower Upper

91 100

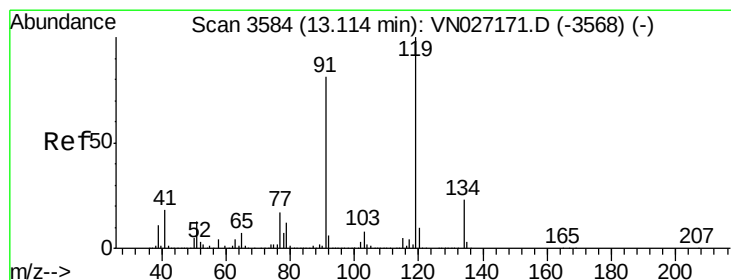
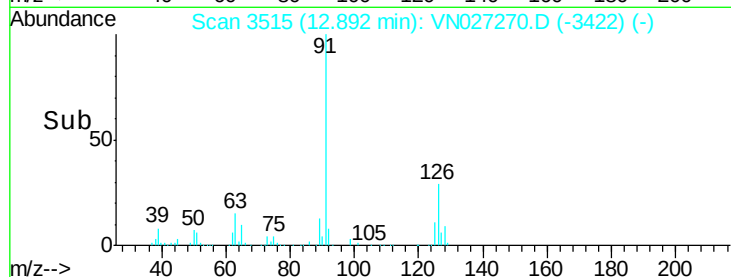
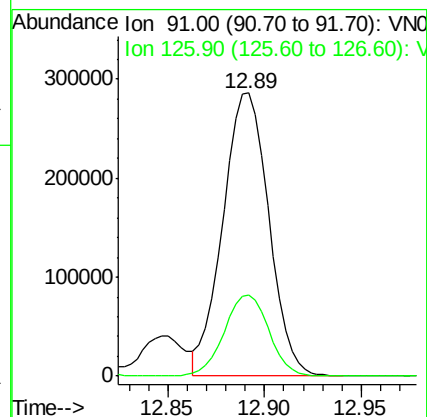
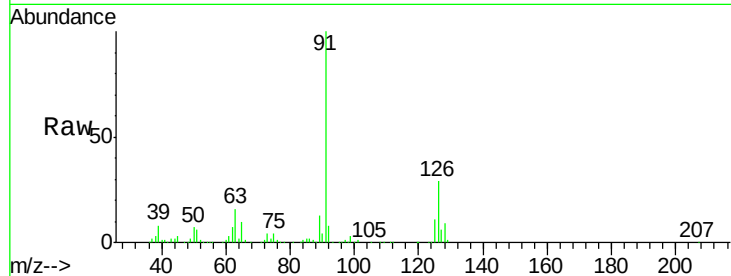
126 28.1 14.9 44.5

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#84

tert-Butylbenzene

Concen: 20.21 ug/l

RT: 13.11 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

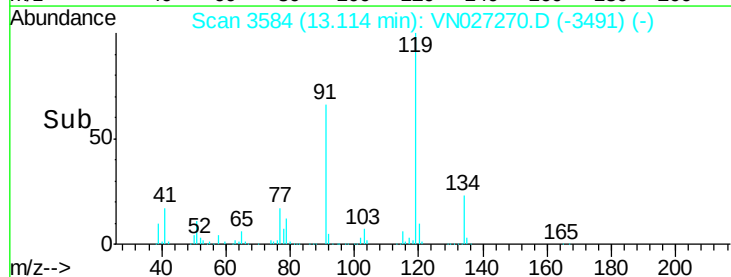
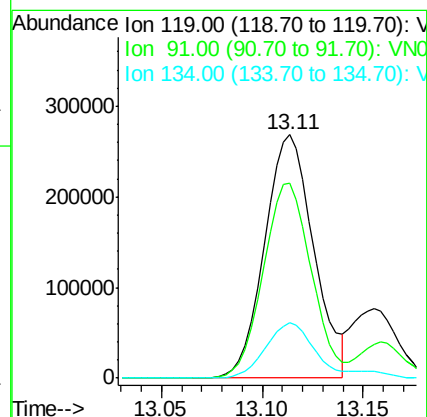
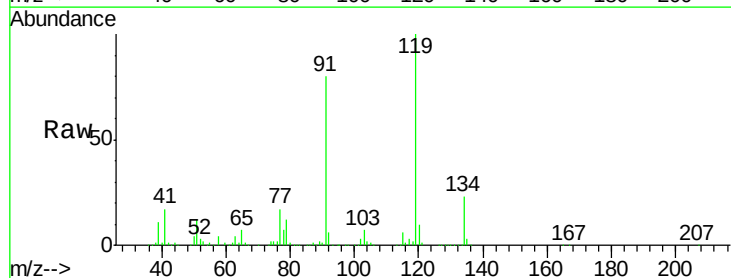
Tgt Ion: 119 Resp: 454653

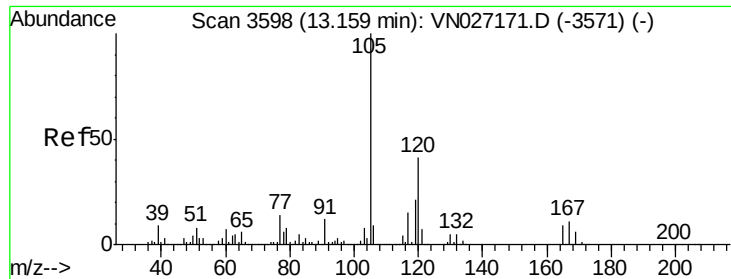
Ion Ratio Lower Upper

119 100

91 79.0 34.6 103.8

134 22.6 11.4 34.2





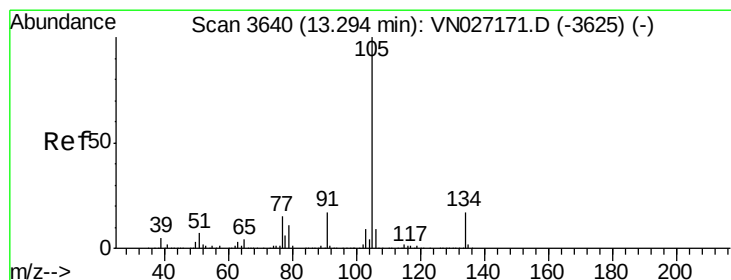
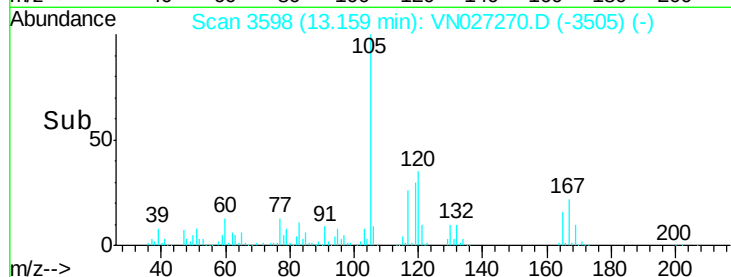
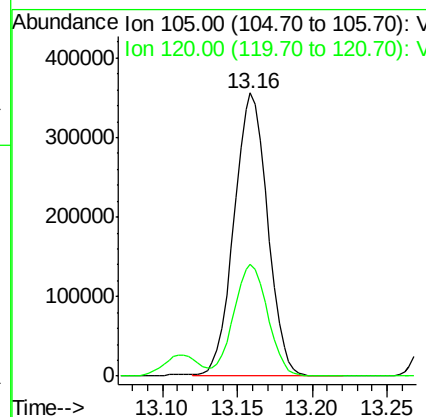
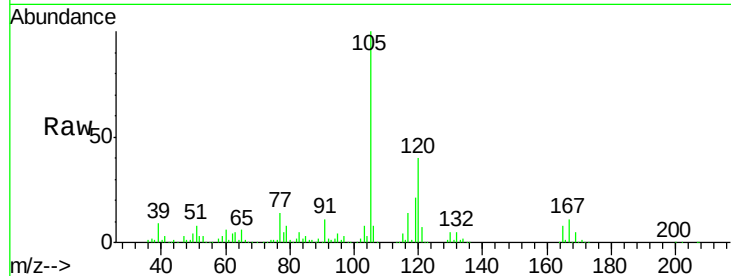
#85
 1,2,4-Trimethylbenzene
 Concen: 20.22 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.2	21.9	65.5

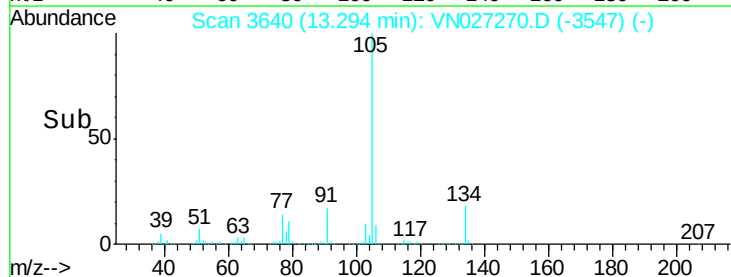
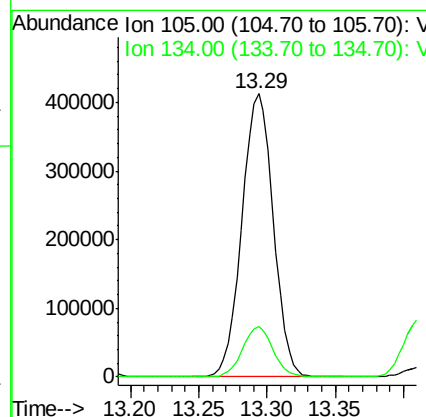
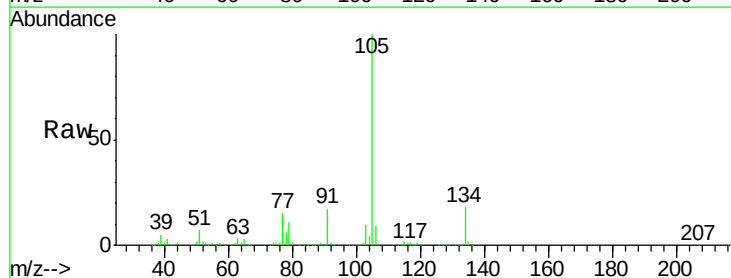
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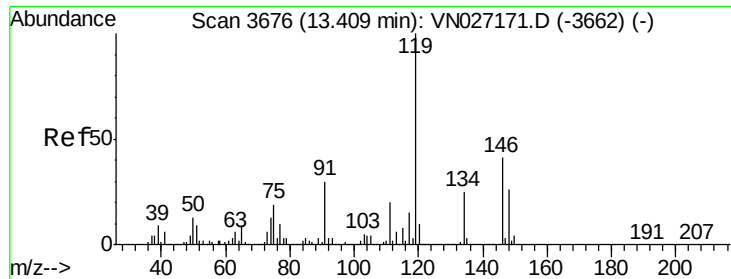
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#86
 sec-Butylbenzene
 Concen: 19.94 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.2	8.8	26.4





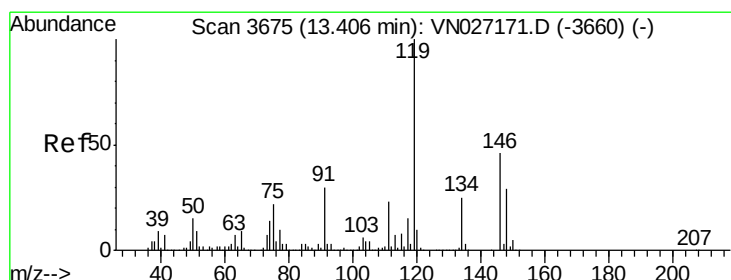
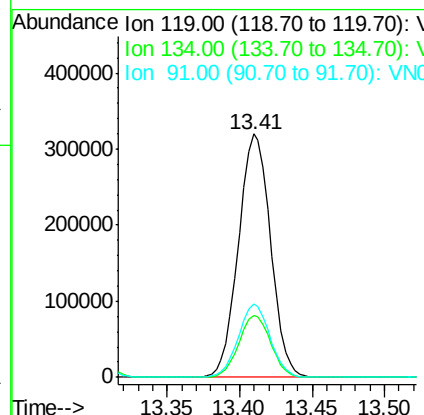
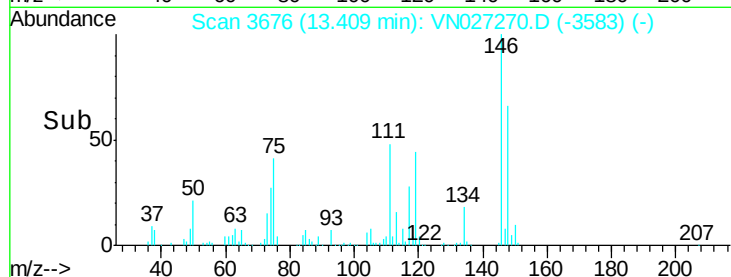
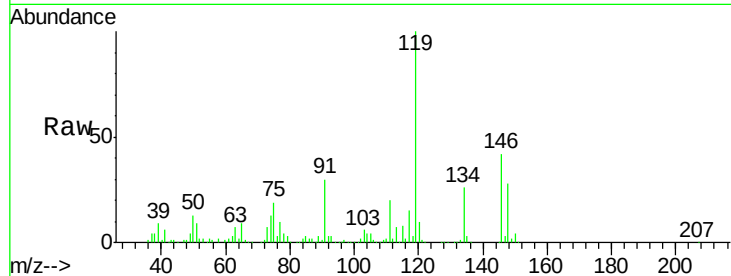
#87
p-Isopropyltoluene
Concen: 19.34 ug/l
RT: 13.41 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	490863		
134	25.4		12.4	37.0
91	29.5		12.0	36.1

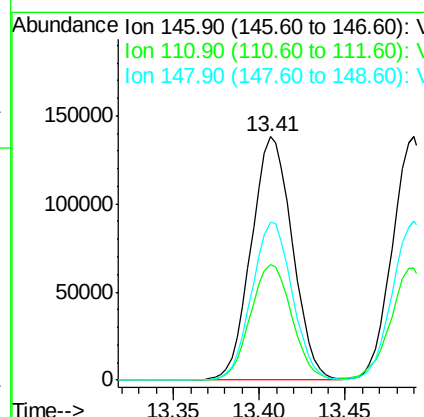
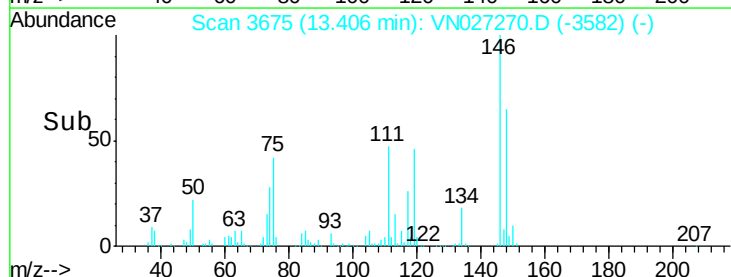
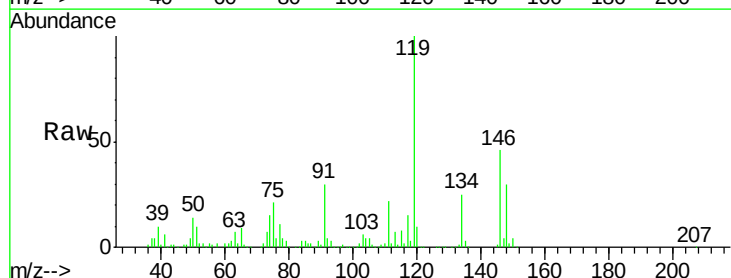
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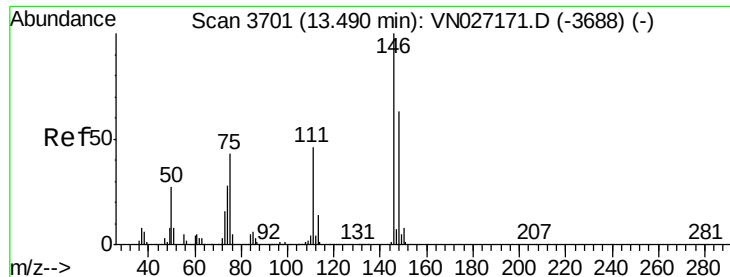
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#88
1,3-Dichlorobenzene
Concen: 20.16 ug/l
RT: 13.41 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	229628		
111	47.6		21.0	63.0
148	63.7		31.9	95.9





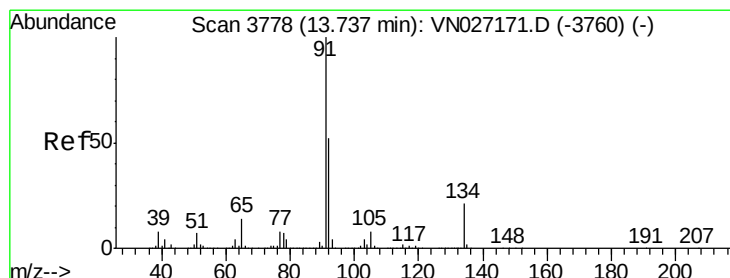
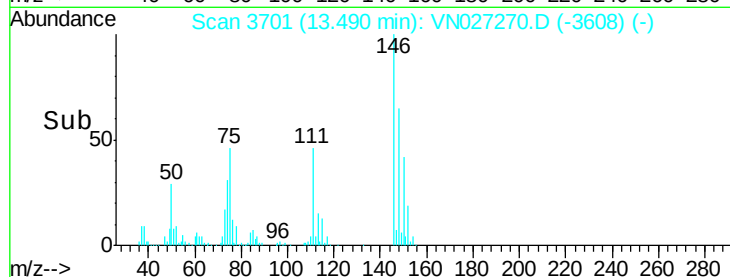
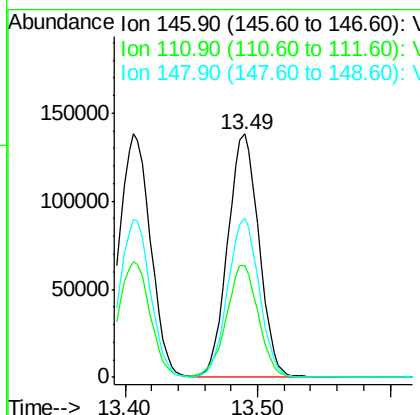
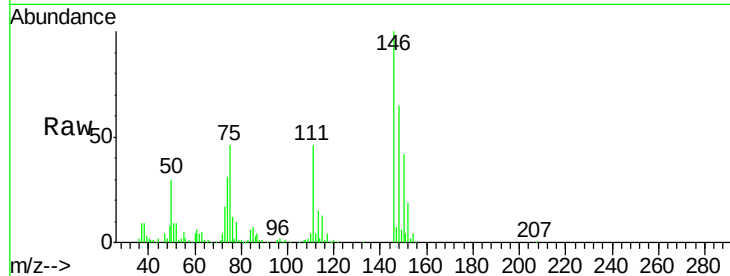
#89
 1,4-Dichlorobenzene
 Concen: 19.52 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.0	19.9	59.6
148	66.0	31.7	95.1

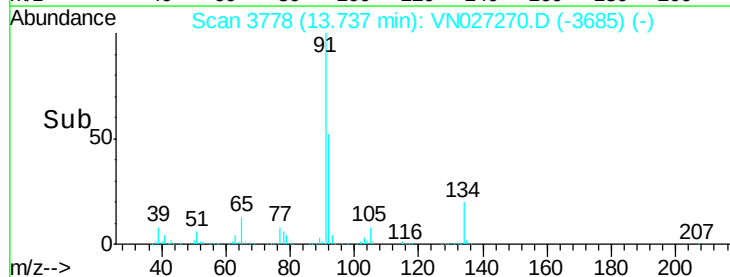
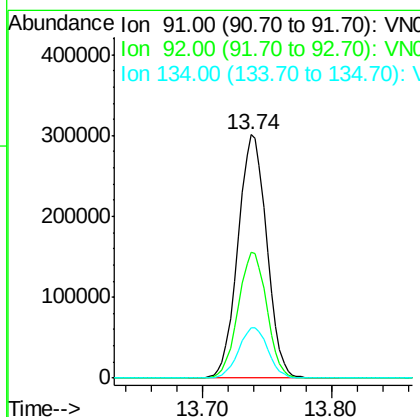
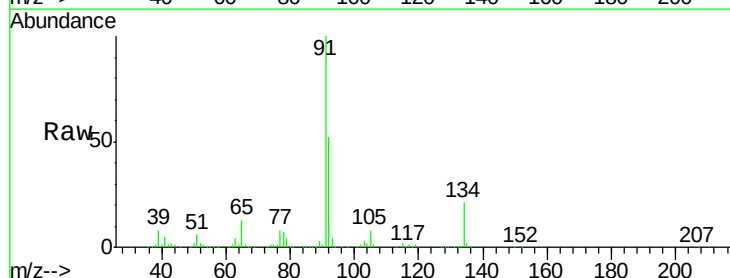
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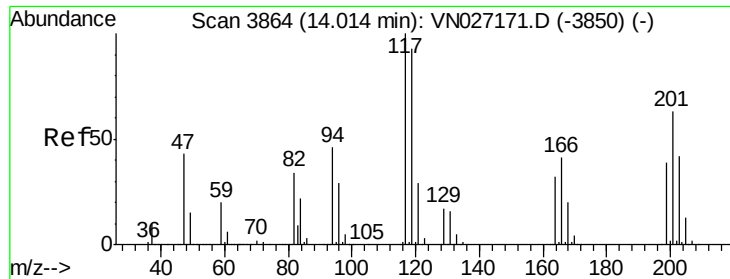
MMDadoda
 9/18/2015 12:23:57 PM



#90
 n-Butylbenzene
 Concen: 18.95 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	21.1	11.1	33.1





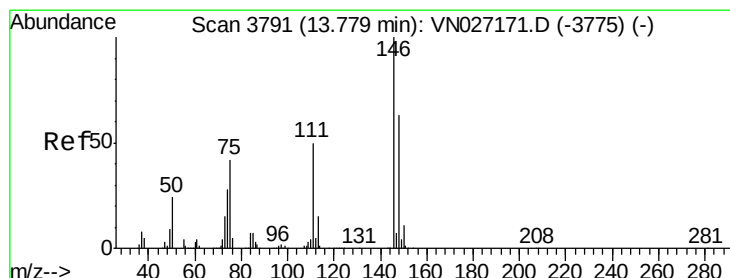
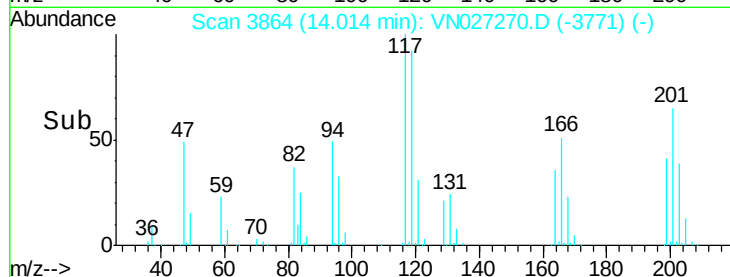
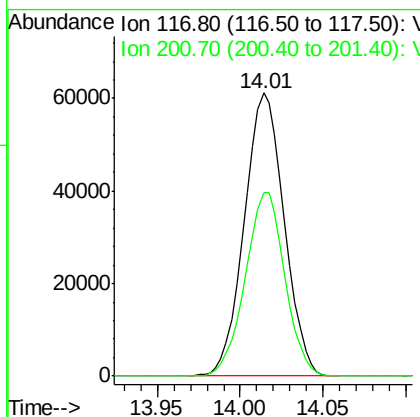
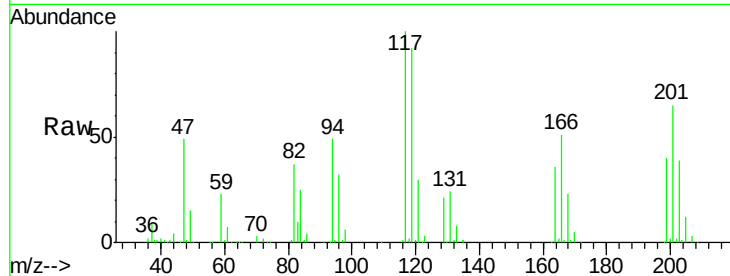
#91
Hexachloroethane
Concen: 18.45 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS02

Tot Ion:117 Resp: 102486
Ion Ratio Lower Upper
117 100
201 64.3 34.9 104.7

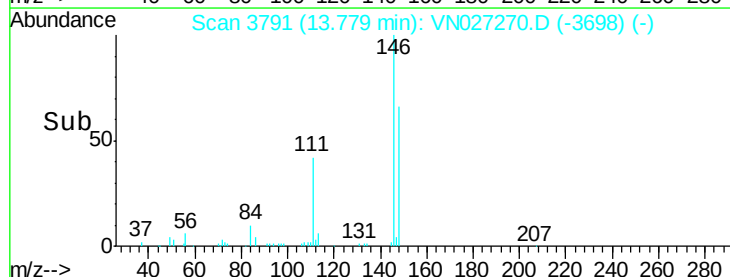
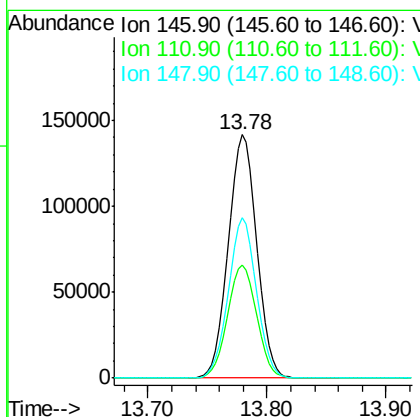
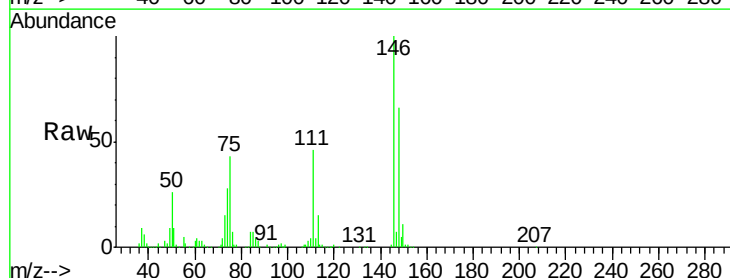
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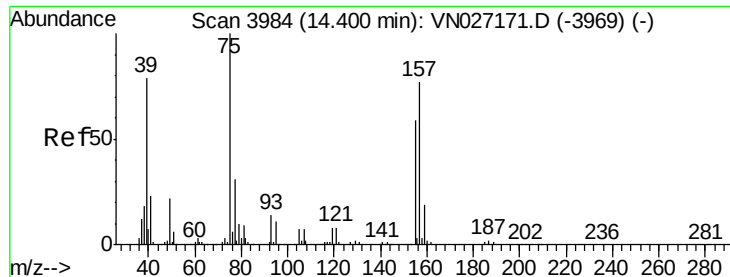
MMDadoda
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#92
1,2-Dichlorobenzene
Concen: 20.89 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027270.D
Acq: 17 Sep 2015 23:02

Tgt Ion:146 Resp: 235151
Ion Ratio Lower Upper
146 100
111 47.5 22.1 66.3
148 64.8 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 18.60 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

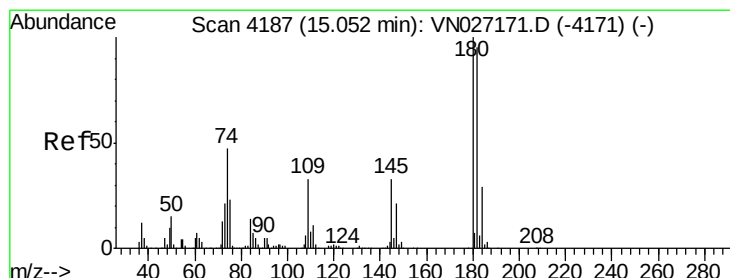
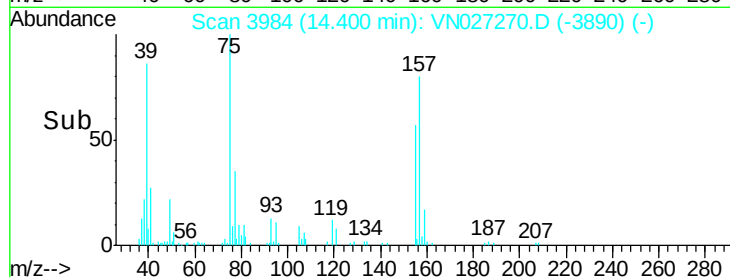
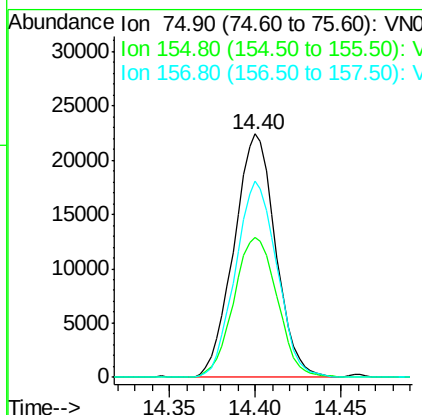
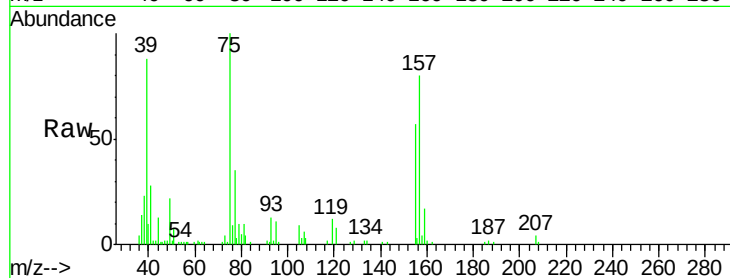
ClientSampleId :

VN0917WBS02

Tot Ion:	75	Resp:	37737
Ion Ratio	Lower	Upper	
75	100		
155	59.7	35.6	106.9
157	80.3	44.6	133.8

Manual Integrations
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#94

1,2,4-Trichlorobenzene

Concen: 19.63 ug/l

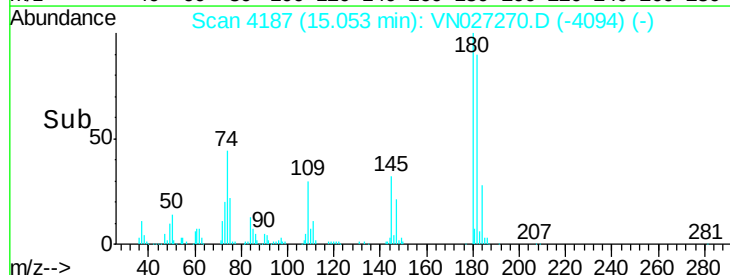
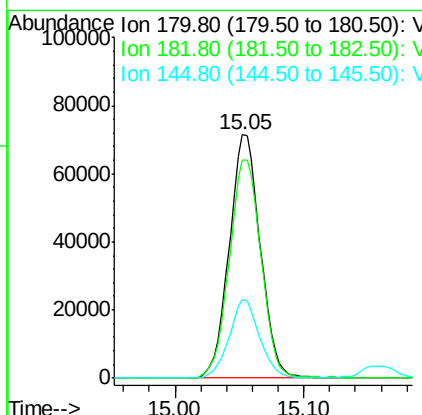
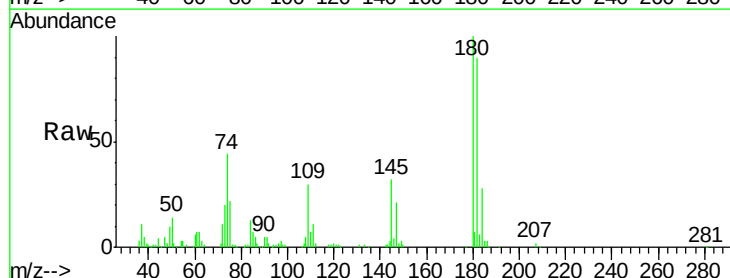
RT: 15.05 min Scan# 4187

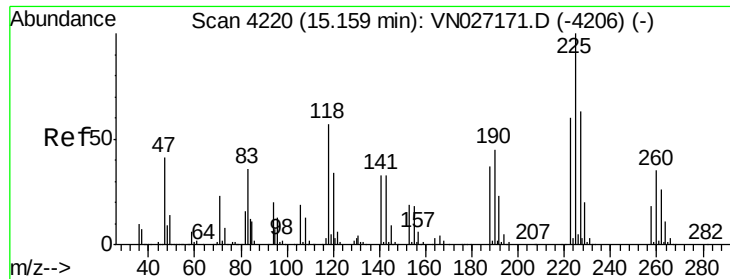
Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Tgt Ion:	180	Resp:	119353
Ion Ratio	Lower	Upper	
180	100		
182	91.6	47.5	142.5
145	31.6	15.1	45.3





#95

Hexachlorobutadiene

Concen: 18.99 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Instrument :

MSVOA_N

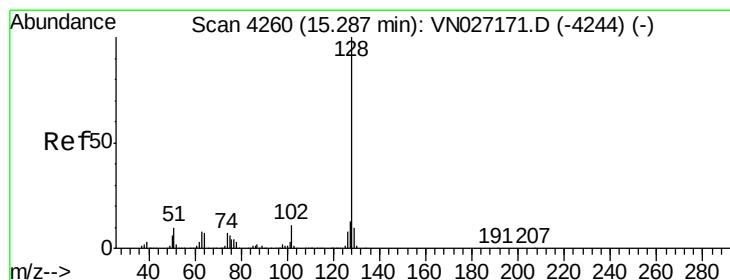
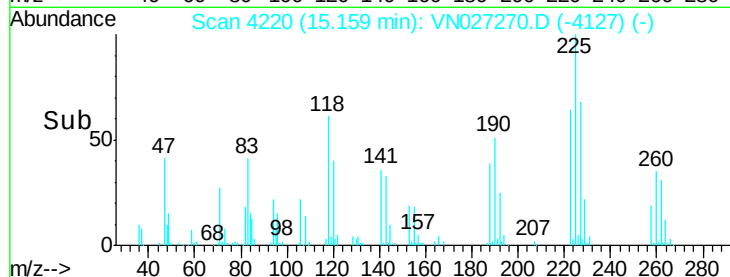
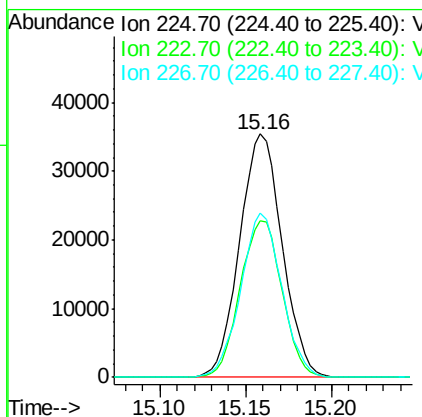
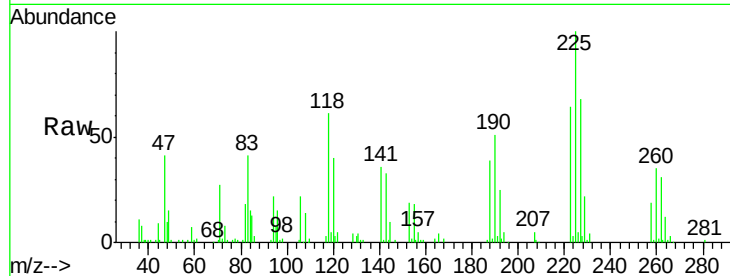
ClientSampleId :

VN0917WBS02

Tot Ion:	225	Resp:	60800
Ion Ratio	Lower	Upper	
225	100		
223	63.0	30.8	92.3
227	64.8	31.7	95.1

Manual Integrations
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#96

Naphthalene

Concen: 18.73 ug/l

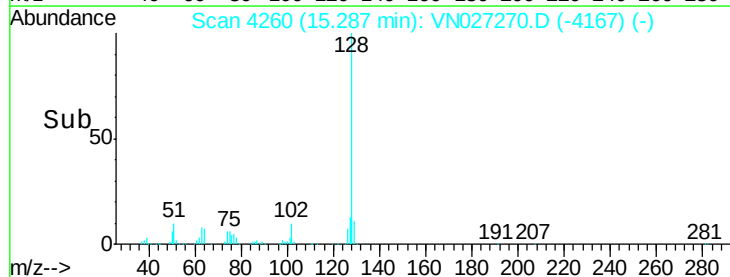
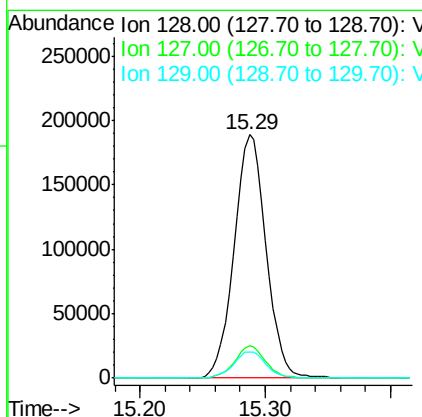
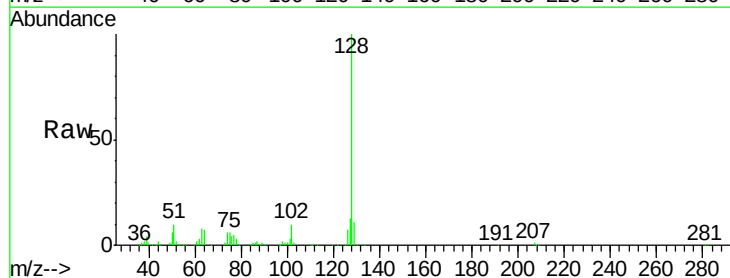
RT: 15.29 min Scan# 4260

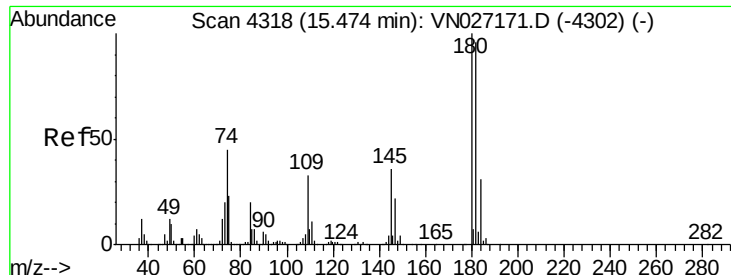
Delta R.T. 0.00 min

Lab File: VN027270.D

Acq: 17 Sep 2015 23:02

Tgt Ion:	128	Resp:	333931
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.0	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 19.63 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027270.D
 Acq: 17 Sep 2015 23:02

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS02

Tot Ion:	180	Resp:	118655
Ion Ratio	Lower	Upper	
180	100		
182	92.7	48.8	146.4
145	35.2	16.6	49.8

Manual Integrations
 APPROVED

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