

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027265.D
 Acq On : 17 Sep 2015 19:49
 Operator : MD\FY
 Sample : G3704-13MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:40 PM

Quant Time: Sep 18 03:43:51 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	522470	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	999193	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	855976	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	331635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
34) 1,2-Dichloroethane-d4	8.12	65	534094	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
36) Dibromofluoromethane	7.68	113	338528	48.88	ug/l	0.00
Spiked Amount			Recovery	=	97.76%	
51) Toluene-d8	10.19	98	1303411	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
63) 4-Bromofluorobenzene	12.52	95	456107	47.38	ug/l	0.00
Spiked Amount			Recovery	=	94.76%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.80	85	291681	46.66	ug/l	99
3) Chlorodifluoromethane	1.82	51	364396	50.37	ug/l	93
4) Chloromethane	2.01	50	328732	47.02	ug/l	99
5) Vinyl Chloride	2.14	62	365052	49.44	ug/l	97
6) Bromomethane	2.54	94	149065	41.41	ug/l	95
7) Chloroethane	2.68	64	234871	46.80	ug/l	99
8) Trichlorofluoromethane	3.02	101	544803	48.85	ug/l	97
9) Diethyl Ether	3.42	74	249780	48.67	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	339174	48.42	ug/l	96
11) Methyl Iodide	3.99	142	264159	38.80	ug/l	93
12) Tert butyl alcohol	4.80	59	251210	239.98	ug/l	99
13) 1,1-Dichloroethene	3.77	96	326659	48.70	ug/l	95
14) Acrolein	3.62	56	307693	250.21	ug/l	96
15) Allyl chloride	4.37	41	632606	46.69	ug/l #	82
16) Acrylonitrile	5.02	53	867886	253.53	ug/l	97
17) Acetone	3.82	43	673459	233.33	ug/l	96
18) Carbon Disulfide	4.11	76	981163	44.91	ug/l	99
19) Methyl Acetate	4.36	43	1027341	49.14	ug/l	95
20) Methyl tert-butyl Ether	5.12	73	1307456	48.55	ug/l	96
21) Methylene Chloride	4.60	84	392674	48.84	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	349558	48.18	ug/l	94
23) Diisopropyl ether	6.04	45	1375584	48.39	ug/l #	91
24) Vinyl Acetate	5.97	43	2225806m	236.55	ug/l	
25) 1,1-Dichloroethane	5.93	63	792839	48.01	ug/l	99
26) 2-Butanone	6.91	43	1063682	244.73	ug/l	98
27) 2,2-Dichloropropane	6.92	77	645342	45.04	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	420276	50.50	ug/l	98
29) Bromochloromethane	7.29	49	296105	46.19	ug/l	95
30) Tetrahydrofuran	7.31	42	697056	232.71	ug/l	91
31) Chloroform	7.46	83	750591	50.30	ug/l	98
32) Cyclohexane	7.77	56	722505	49.13	ug/l	93
33) 1,1,1-Trichloroethane	7.67	97	654460	49.19	ug/l	97
37) 1,1-Dichloropropene	7.89	75	565028	48.31	ug/l	98
38) Ethyl Acetate	7.02	43	469310	47.14	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027265.D
 Acq On : 17 Sep 2015 19:49
 Operator : MD\FY
 Sample : G3704-13MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:23:40 PM

Quant Time: Sep 18 03:43:51 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	526375	47.87	ug/l	99
40) Methylcyclohexane	9.19	83	663030	46.55	ug/l	97
41) Benzene	8.14	78	1634566	47.90	ug/l	99
42) Methacrylonitrile	7.24	41	276407	48.89	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	663273	48.24	ug/l	95
44) Isopropyl Acetate	8.25	43	879040	47.03	ug/l	99
45) Trichloroethene	8.93	130	328058	47.86	ug/l	90
46) 1,2-Dichloropropane	9.22	63	460440	46.90	ug/l	98
47) Dibromomethane	9.31	93	275737	47.83	ug/l	93
48) Bromodichloromethane	9.49	83	585727	48.21	ug/l	98
49) Methyl methacrylate	9.29	41	436225	46.84	ug/l #	85
50) 1,4-Dioxane	9.30	88	103261	945.46	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2355072	238.31	ug/l	99
53) Toluene	10.26	92	954173	47.73	ug/l	100
54) t-1,3-Dichloropropene	10.47	75	631936	46.32	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	684144	46.09	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	365936	48.71	ug/l	99
57) Ethyl methacrylate	10.52	69	599279	47.33	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	673978	48.33	ug/l	98
60) 2-Hexanone	10.84	43	1575905	234.22	ug/l	100
61) Dibromochloromethane	11.00	129	365450	47.63	ug/l	100
62) 1,2-Dibromoethane	11.11	107	356368	48.27	ug/l	100
65) Tetrachloroethene	10.74	164	251355	45.92	ug/l	94
66) Chlorobenzene	11.54	112	946479	46.84	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	319305	46.32	ug/l	98
68) Ethyl Benzene	11.62	91	1821772	47.54	ug/l	99
69) m/p-Xylenes	11.73	106	1257184	95.09	ug/l	91
70) o-Xylene	12.06	106	629270	47.48	ug/l	91
71) Styrene	12.07	104	1035676	48.41	ug/l	95
72) Bromoform	12.24	173	223578	46.64	ug/l #	99
74) Isopropylbenzene	12.36	105	1699637	46.51	ug/l	97
75) N-amyl acetate	12.17	43	742029	45.50	ug/l	99
76) 1,1,1,2-Tetrachloroethane	12.61	83	487229	51.77	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	456992m	45.60	ug/l	
78) Bromobenzene	12.64	156	334055	46.61	ug/l	94
79) n-propylbenzene	12.71	91	2011741	46.79	ug/l	98
80) 2-Chlorotoluene	12.79	91	1206535	46.73	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1361979	46.39	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	168057	41.19	ug/l	93
83) 4-Chlorotoluene	12.89	91	1196183	47.16	ug/l	95
84) tert-Butylbenzene	13.11	119	1088153	44.92	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1383716	46.92	ug/l	94
86) sec-Butylbenzene	13.29	105	1640330	46.22	ug/l	99
87) p-Isopropyltoluene	13.41	119	1253004	45.84	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	579374	47.25	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	573313	46.16	ug/l	95
90) n-Butylbenzene	13.74	91	1248605	47.08	ug/l	99
91) Hexachloroethane	14.01	117	265130	44.33	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	576789	47.59	ug/l	96
93) 1,2-Dibromo-3-Chloropropan	14.40	75	101804	48.74	ug/l	84

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
Data File : VN027265.D
Acq On : 17 Sep 2015 19:49
Operator : MD\FY
Sample : G3704-13MSD
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

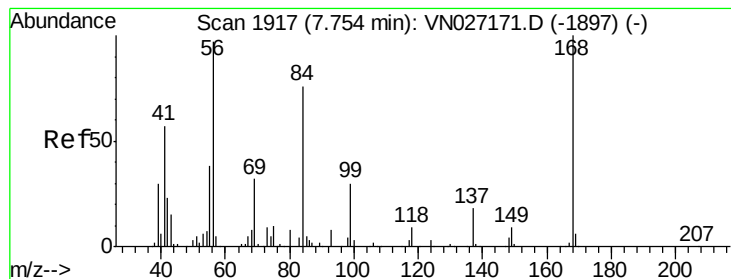
Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM

Quant Time: Sep 18 03:43:51 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)
94) 1,2,4-Trichlorobenzene	15.05	180	315358	48.17	ug/l	99
95) Hexachlorobutadiene	15.16	225	155423	45.08	ug/l	99
96) Naphthalene	15.29	128	938415	48.90	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	315260	48.44	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:168 Resp: 522470

Ion Ratio Lower Upper

168 100

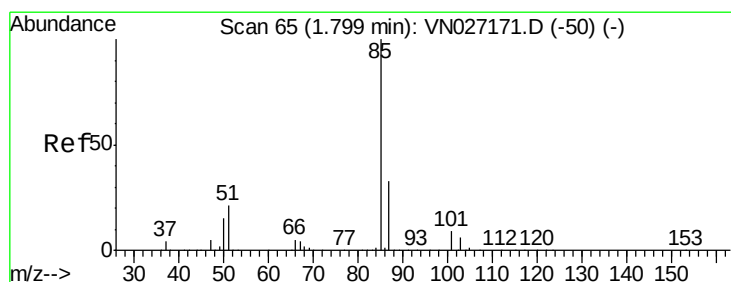
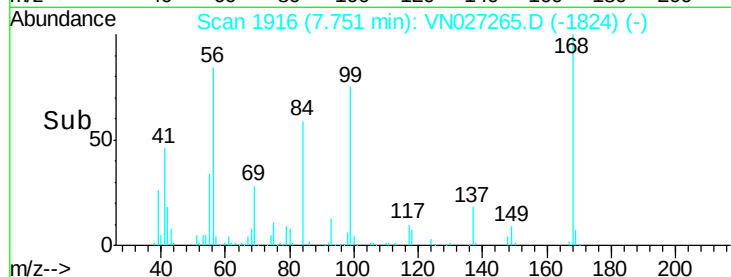
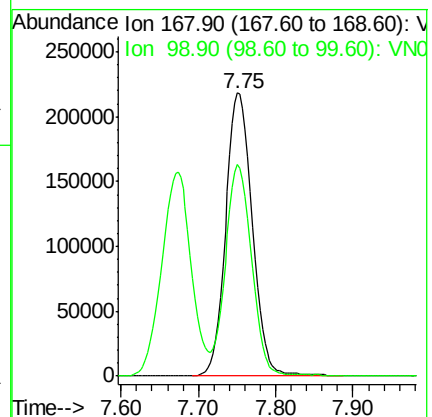
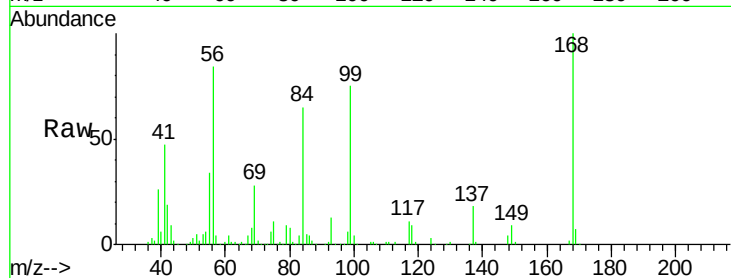
99 74.4 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#2

Dichlorodifluoromethane

Concen: 46.66 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027265.D

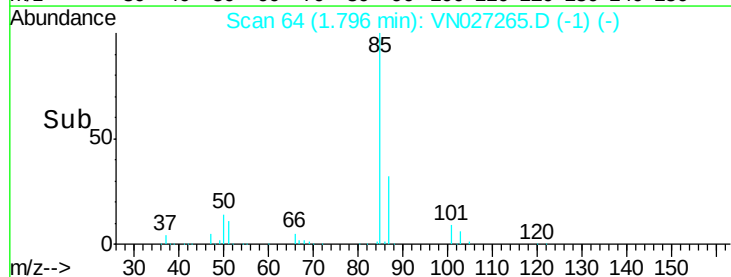
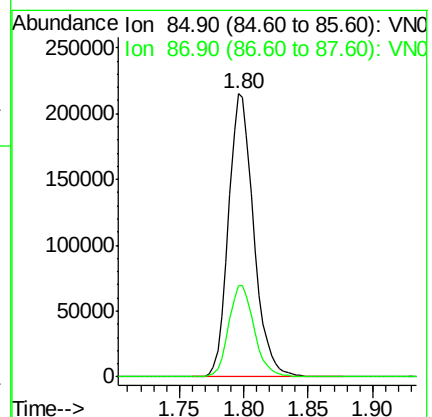
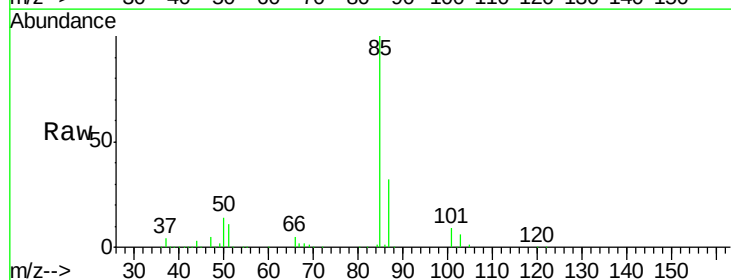
Acq: 17 Sep 2015 19:49

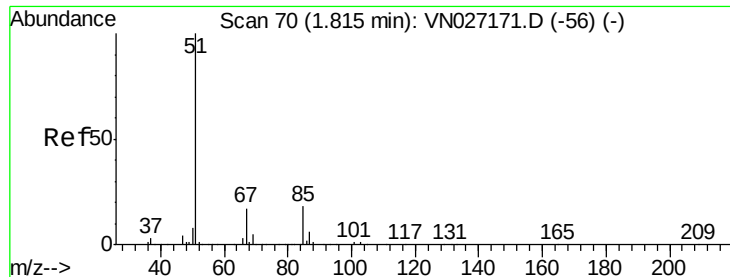
Tgt Ion: 85 Resp: 291681

Ion Ratio Lower Upper

85 100

87 32.2 16.3 48.8





#3

Chlorodifluoromethane

Concen: 50.37 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tot Ion: 51 Resp: 364396

Ion Ratio Lower Upper

51 100

67 18.2 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

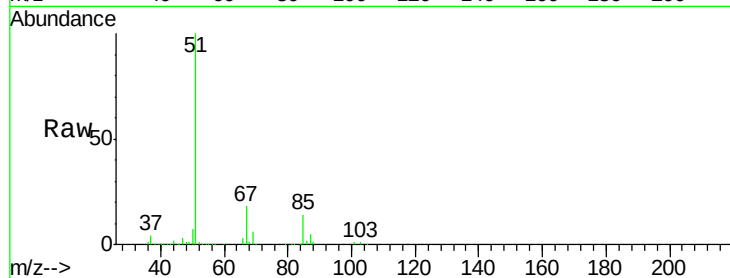
MW-12-9-15-15MSD

Manual Integrations

APPROVED

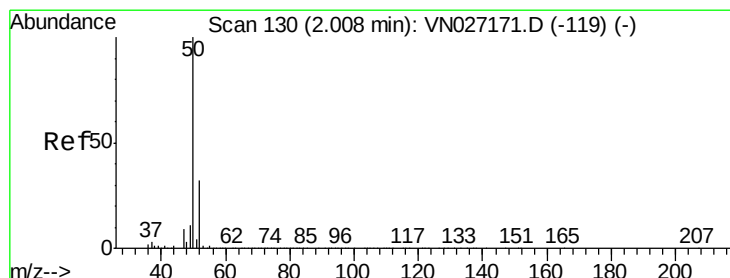
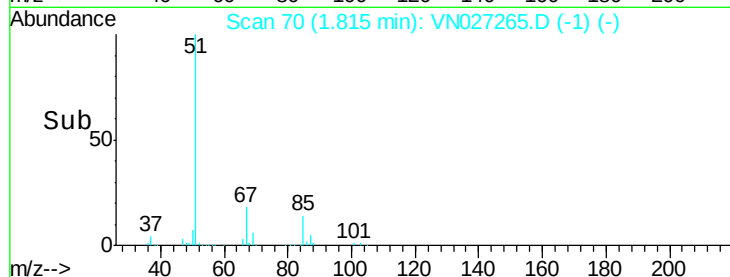
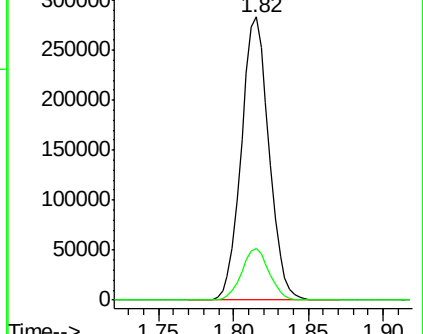
MMDadoda

9/18/2015 12:23:40 PM



Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 47.02 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027265.D

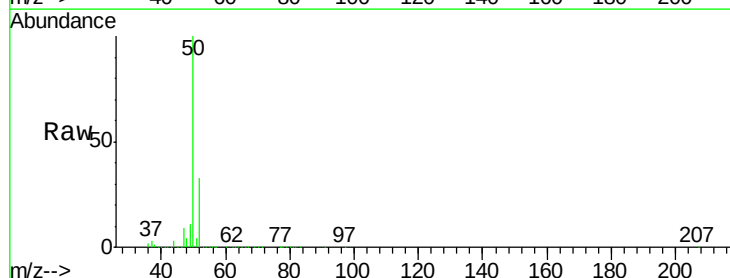
Acq: 17 Sep 2015 19:49

Tgt Ion: 50 Resp: 328732

Ion Ratio Lower Upper

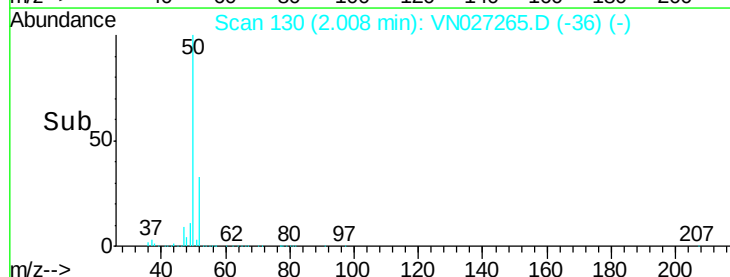
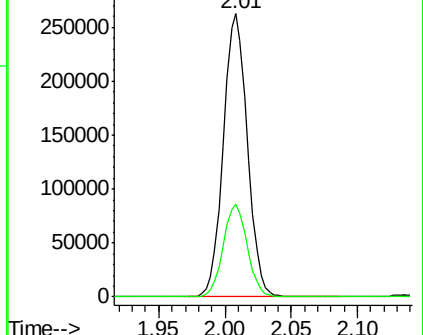
50 100

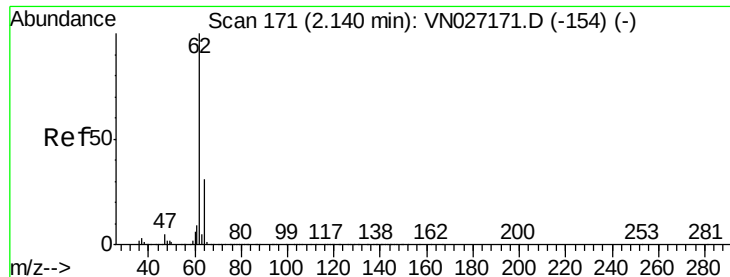
52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 49.44 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 62 Resp: 365052

Ion Ratio Lower Upper

62 100

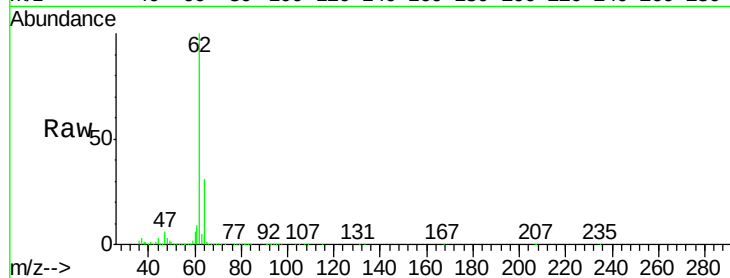
64 30.5 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.14

250000

200000

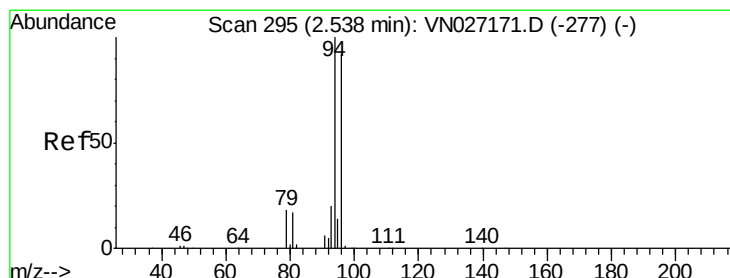
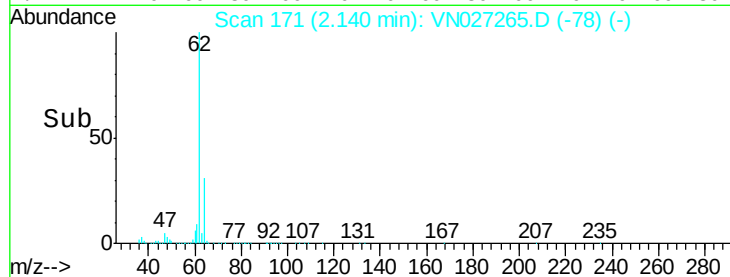
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 41.41 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027265.D

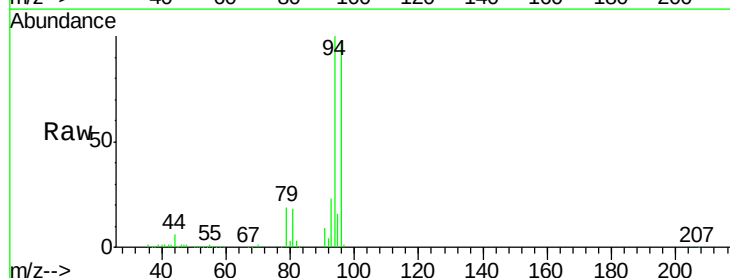
Acq: 17 Sep 2015 19:49

Tgt Ion: 94 Resp: 149065

Ion Ratio Lower Upper

94 100

96 96.6 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

80000

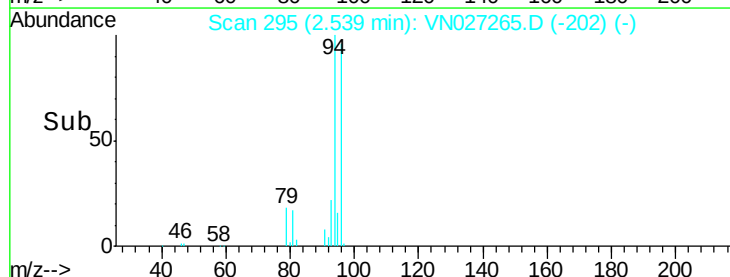
60000

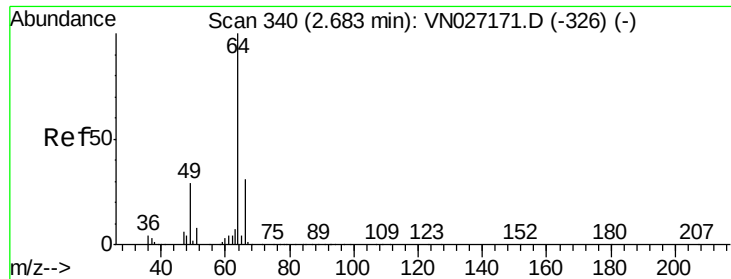
40000

20000

0

Time-->





#7

Chloroethane

Concen: 46.80 ug/l

RT: 2.68 min Scan# 340

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 64 Resp: 234871

Ion Ratio Lower Upper

64 100

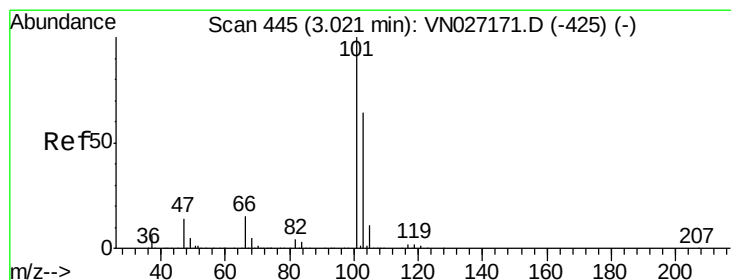
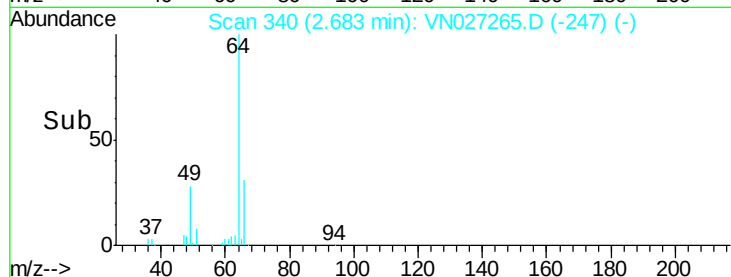
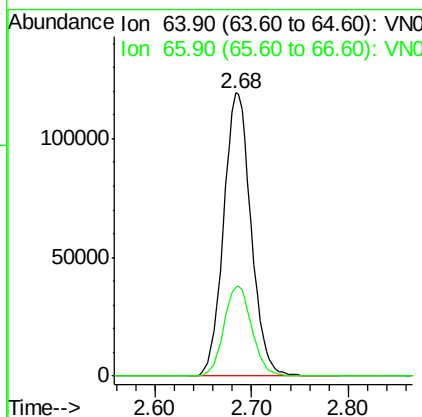
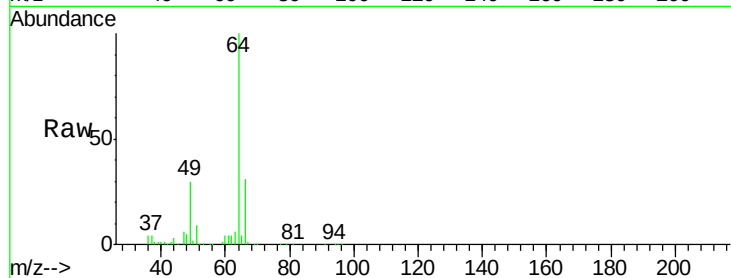
66 31.2 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#8

Trichlorofluoromethane

Concen: 48.85 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027265.D

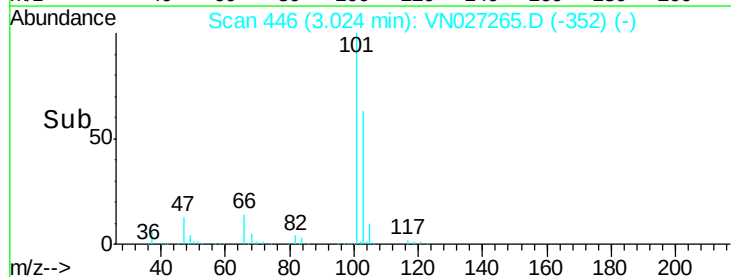
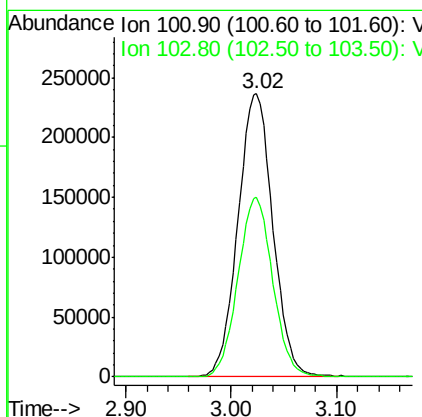
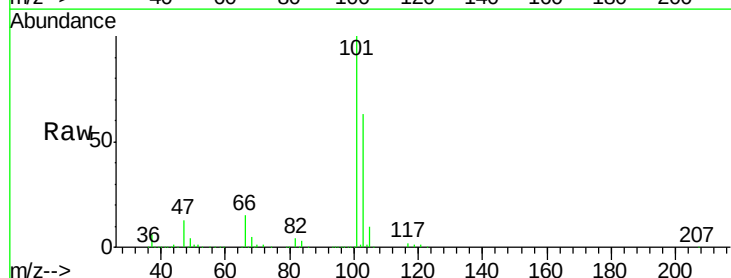
Acq: 17 Sep 2015 19:49

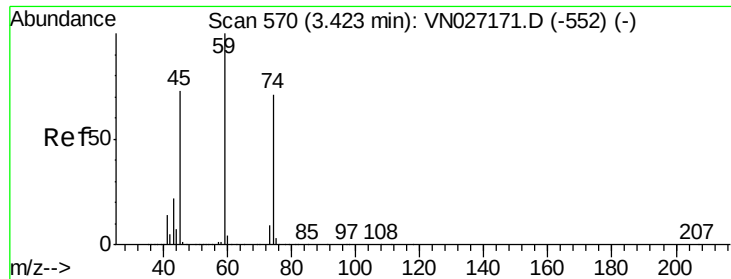
Tgt Ion:101 Resp: 544803

Ion Ratio Lower Upper

101 100

103 63.3 52.6 79.0





#9

Diethyl Ether

Concen: 48.67 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 74 Resp: 249780

Ion Ratio Lower Upper

74 100

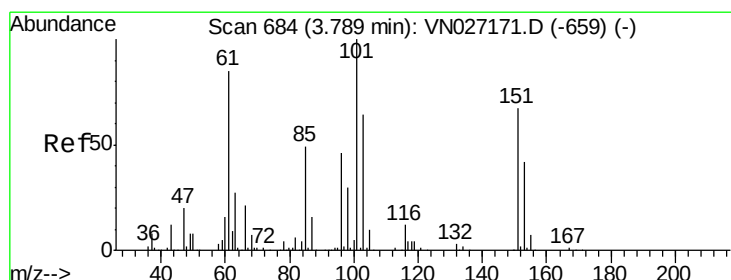
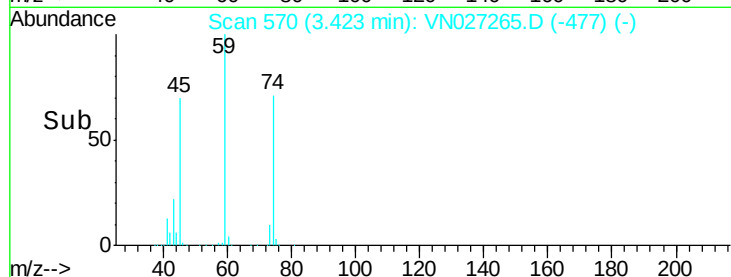
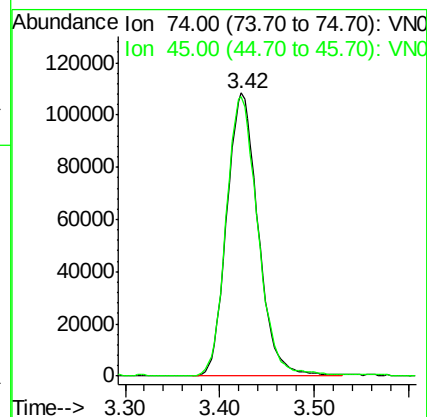
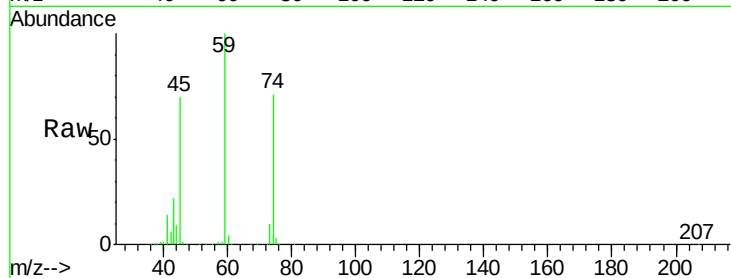
45 99.2 58.1 174.3

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#10

1,1,2-Trichlorotrifluoroethane

Concen: 48.42 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

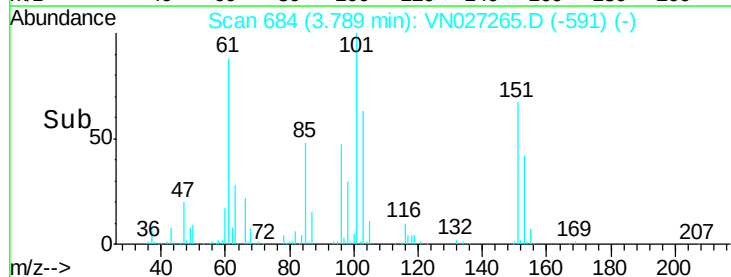
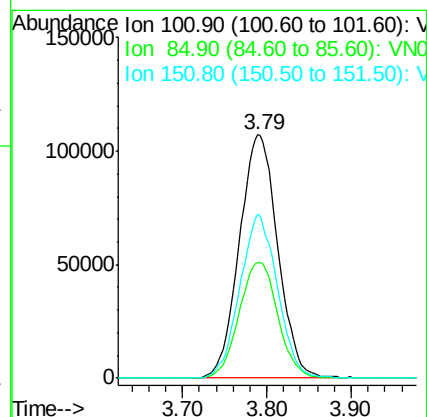
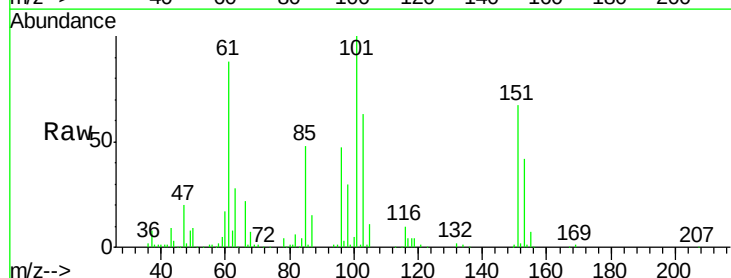
Tgt Ion: 101 Resp: 339174

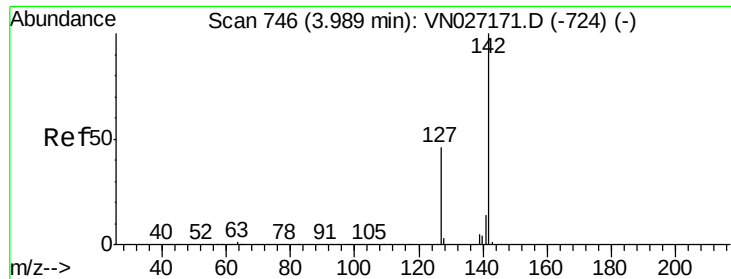
Ion Ratio Lower Upper

101 100

85 48.0 37.4 56.0

151 66.0 55.9 83.9





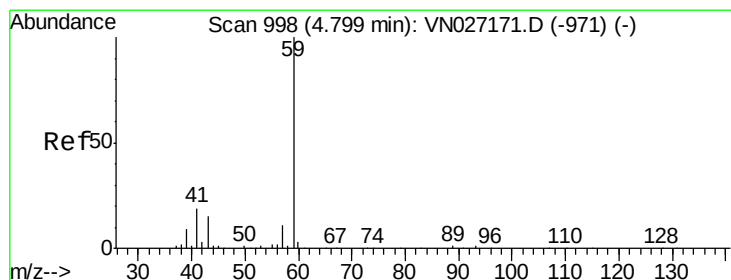
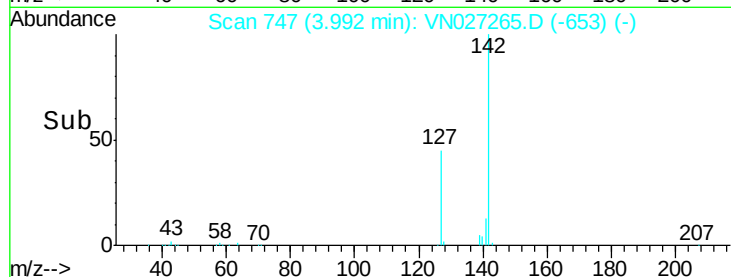
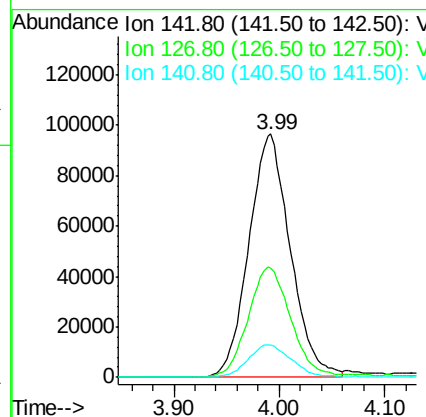
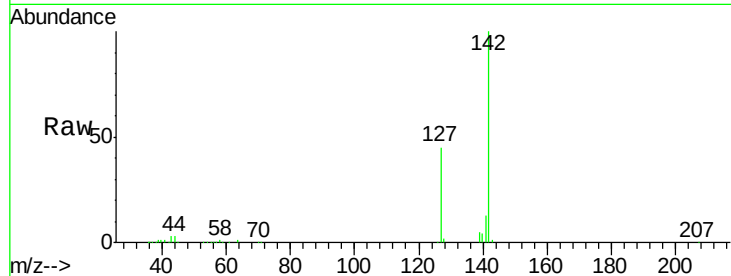
#11
Methvl Iodide
Concen: 38.80 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.4	32.3	48.5
141	13.9	11.2	16.8

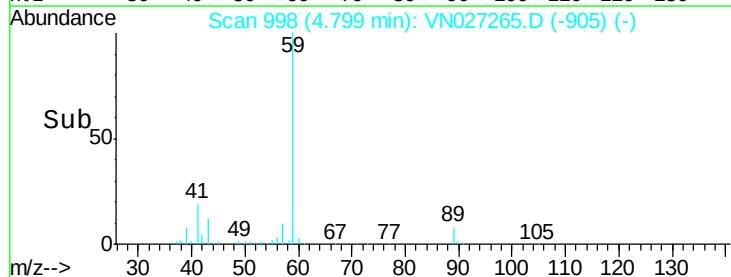
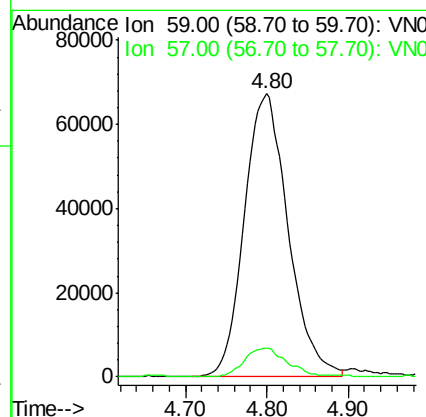
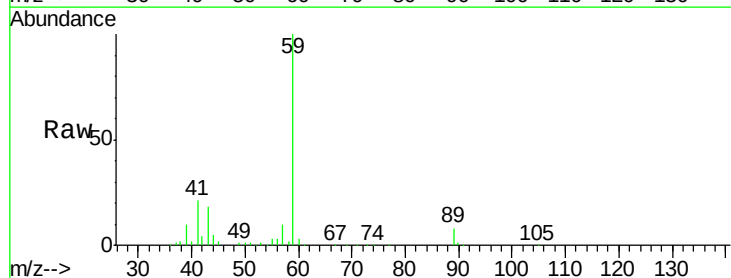
Manual Integrations
APPROVED

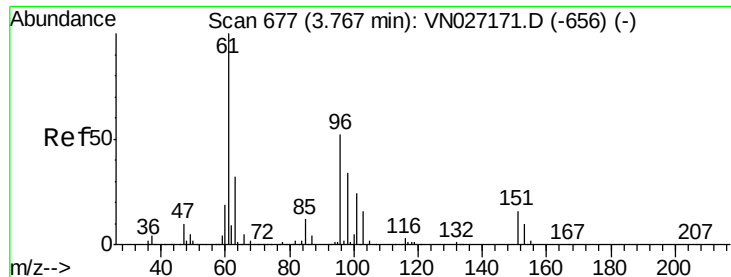
MMDadoda
9/18/2015 12:23:40 PM



#12
Tert butyl alcohol
Concen: 239.98 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.6	11.4





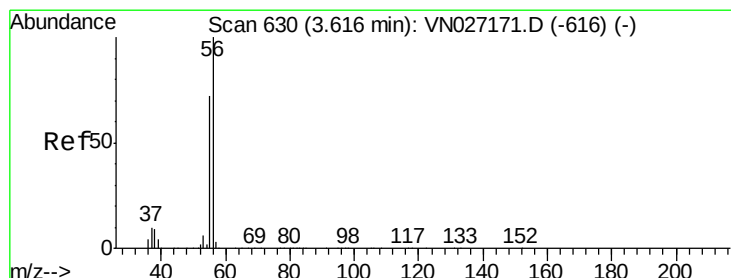
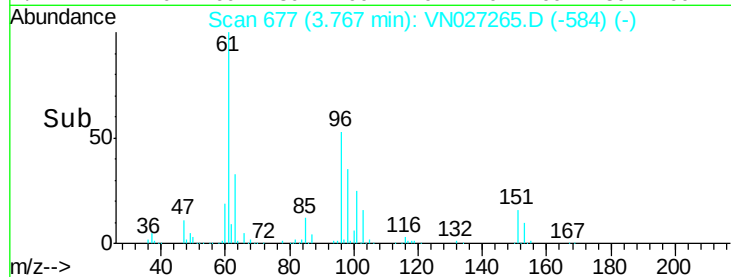
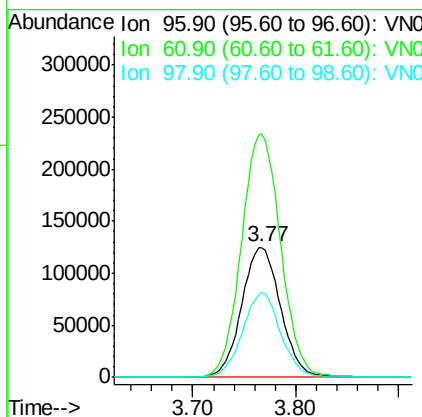
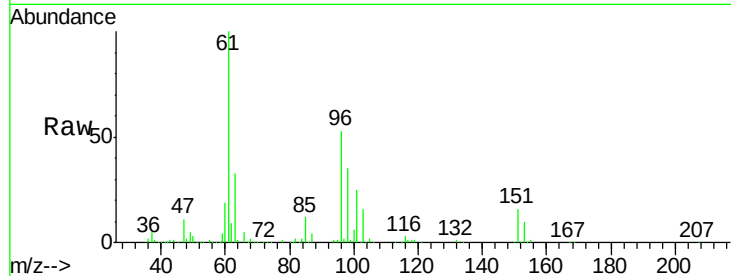
#13
 1,1-Dichloroethene
 Concen: 48.70 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	187.1	143.8	215.8
98	65.1	50.3	75.5

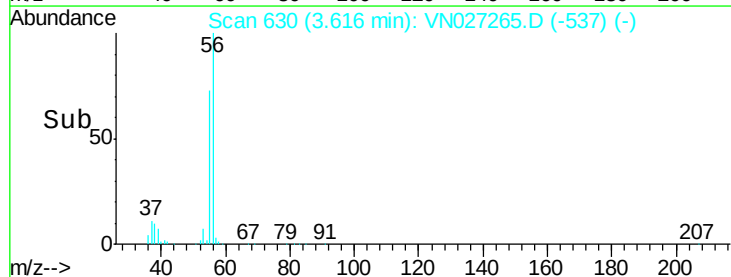
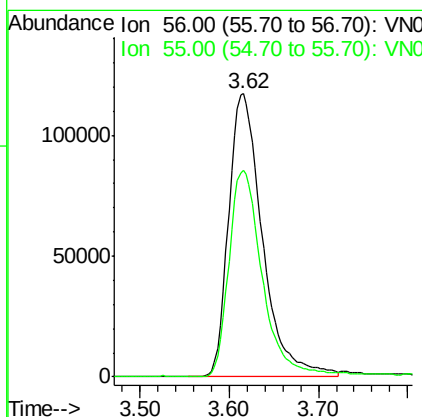
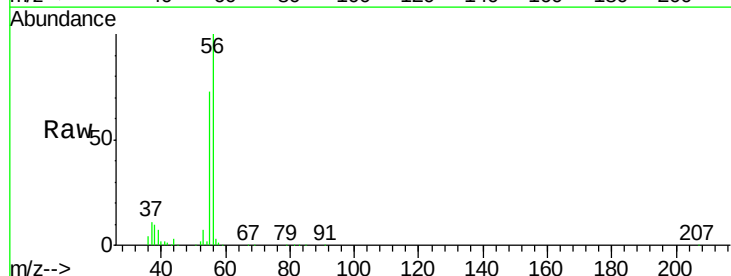
Manual Integrations
 APPROVED

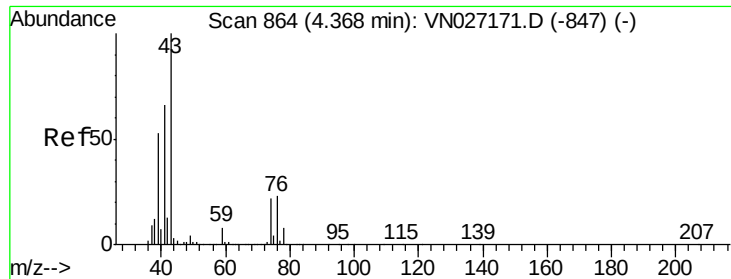
MMDadoda
 9/18/2015 12:23:40 PM



#14
 Acrolein
 Concen: 250.21 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.9	55.7	83.5





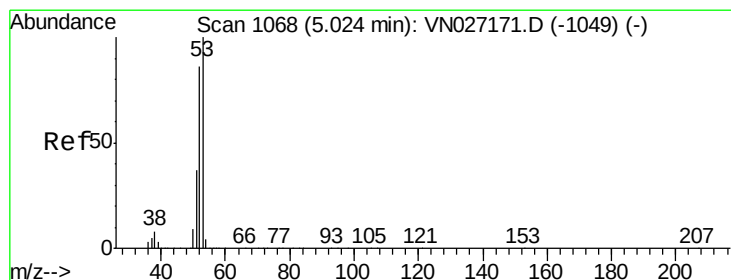
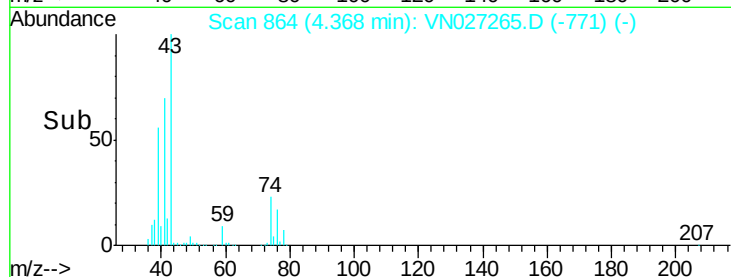
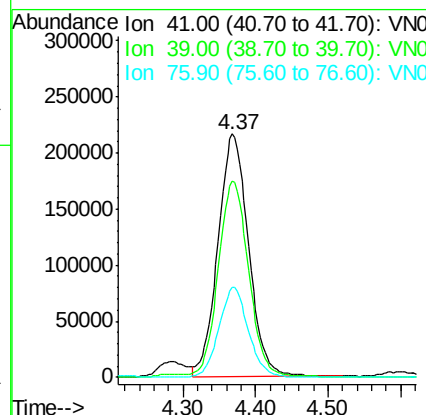
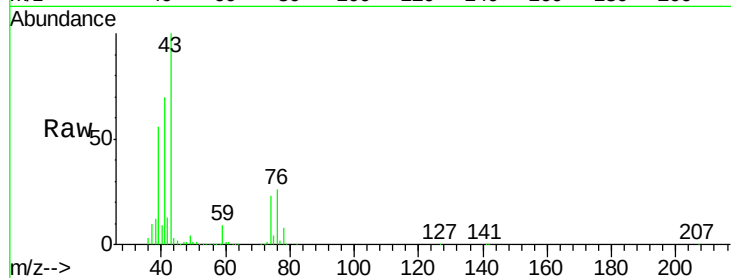
#15
Allvl chloride
Concen: 46.69 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	79.9	49.7	74.5#	
76	35.2	24.8	37.2	

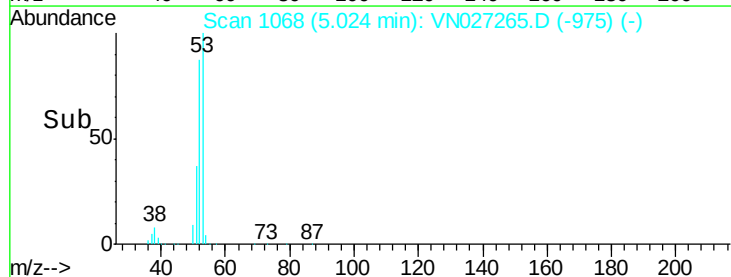
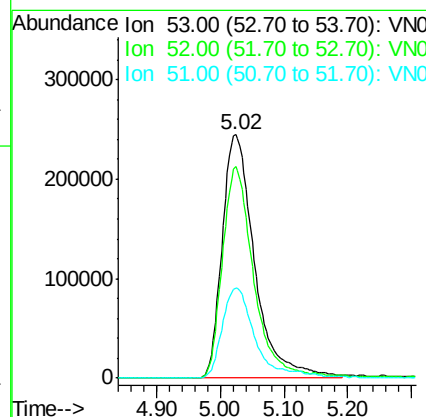
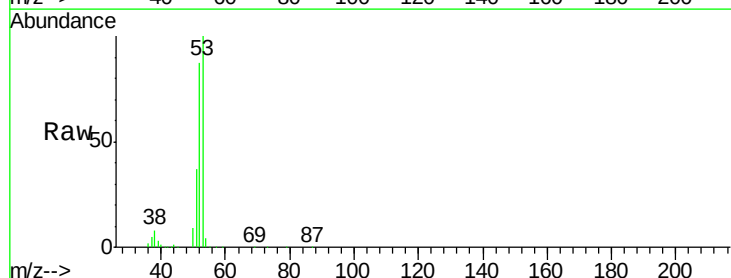
Manual Integrations
APPROVED

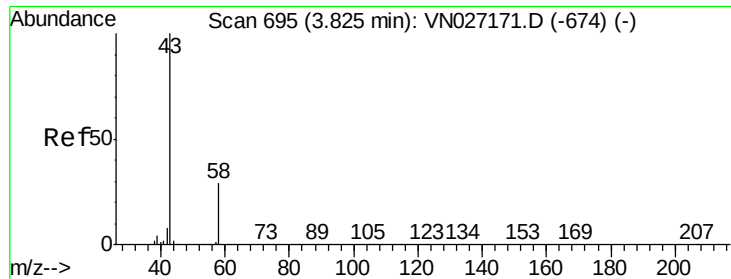
MMDadoda
9/18/2015 12:23:40 PM



#16
Acrylonitrile
Concen: 253.53 ug/l
RT: 5.02 min Scan# 1068
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
53	100			
52	82.5	66.9	100.3	
51	38.0	27.4	41.0	





#17

Acetone

Concen: 233.33 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 43 Resp: 673459

Ion Ratio Lower Upper

43 100

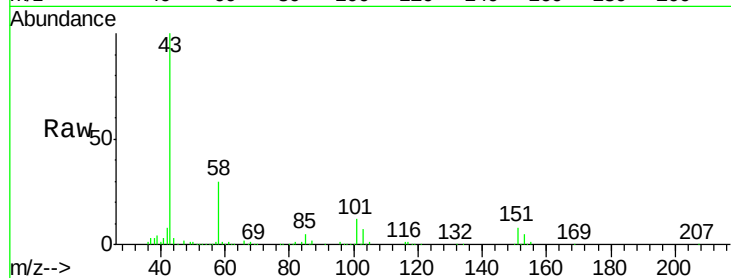
58 29.6 25.4 38.0

Manual Integrations

APPROVED

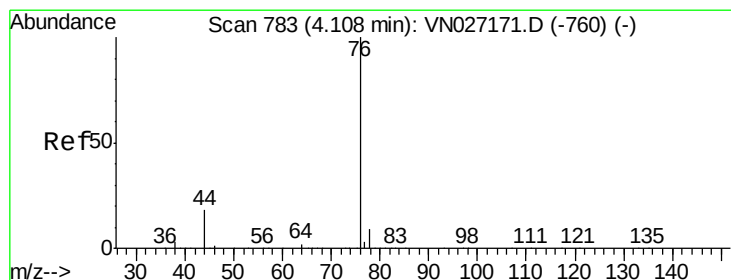
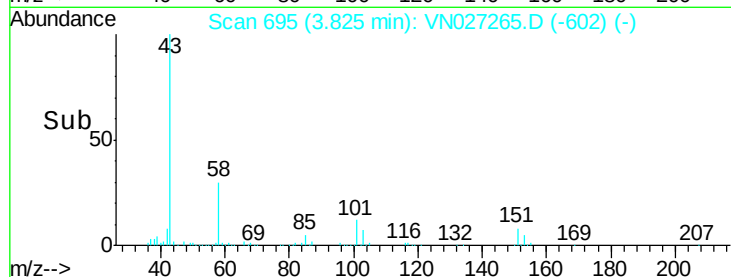
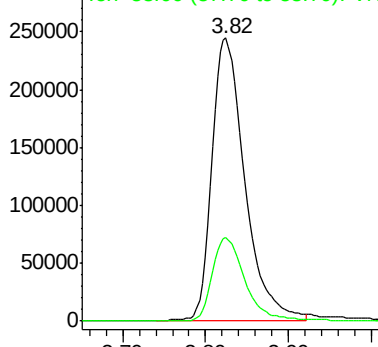
MMDadoda

9/18/2015 12:23:40 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 44.91 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027265.D

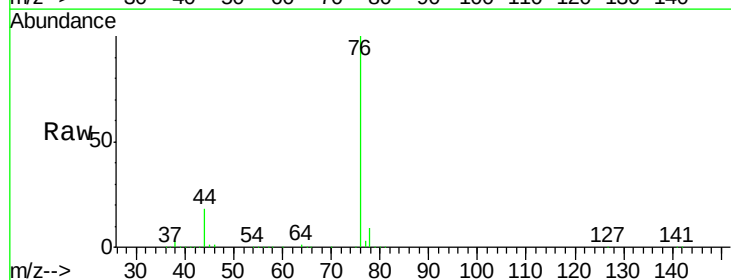
Acq: 17 Sep 2015 19:49

Tgt Ion: 76 Resp: 981163

Ion Ratio Lower Upper

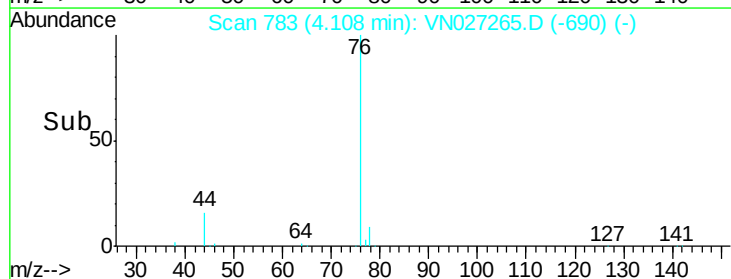
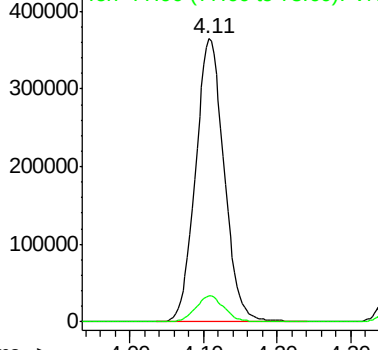
76 100

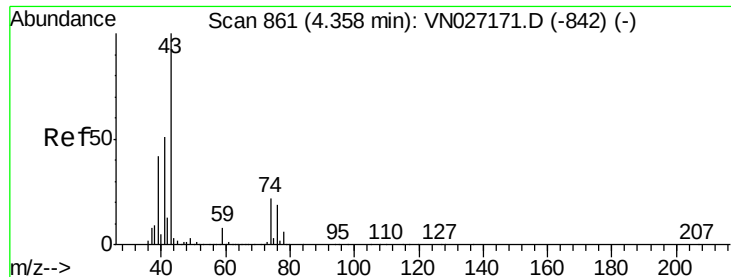
78 9.1 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





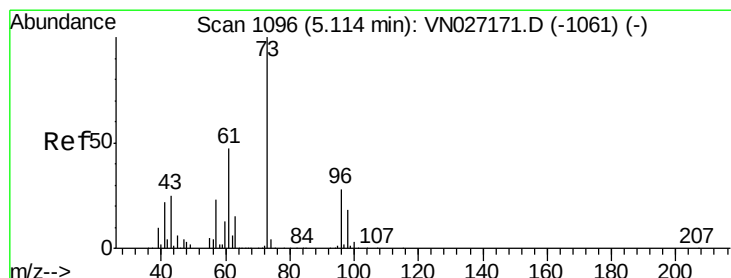
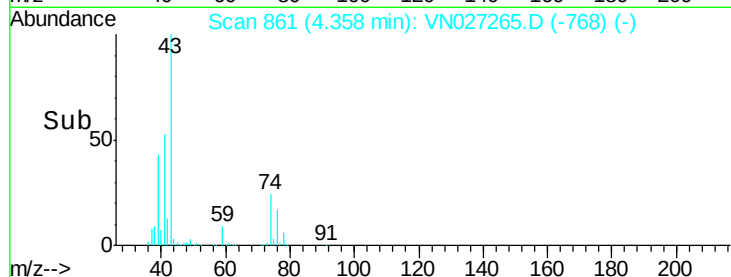
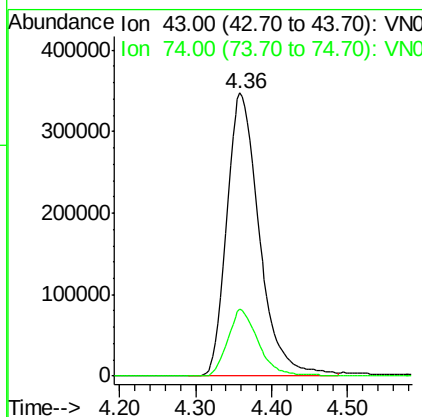
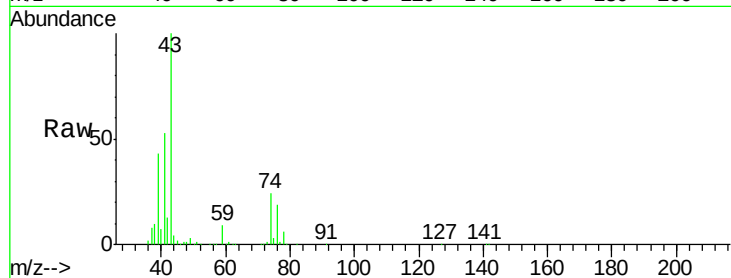
#19
Methvl Acetate
Concen: 49.14 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion: 43 Resp: 1027341
Ion Ratio Lower Upper
43 100
74 22.5 16.2 24.2

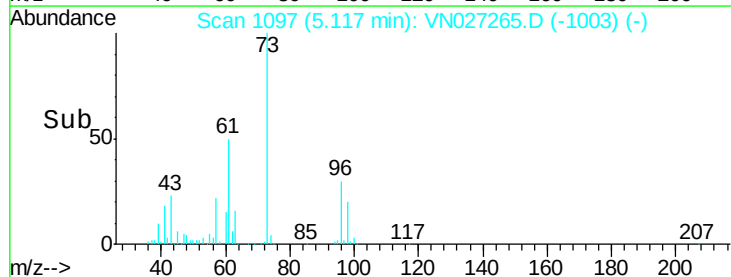
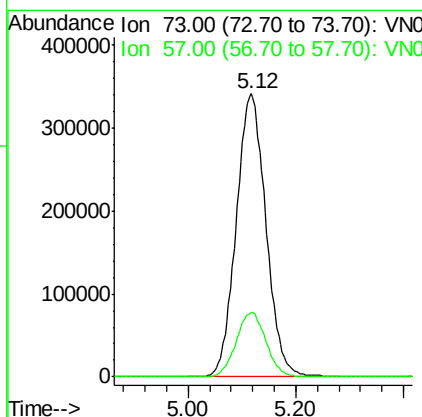
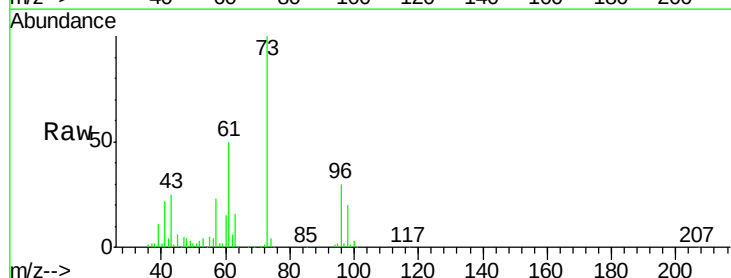
Manual Integrations
APPROVED

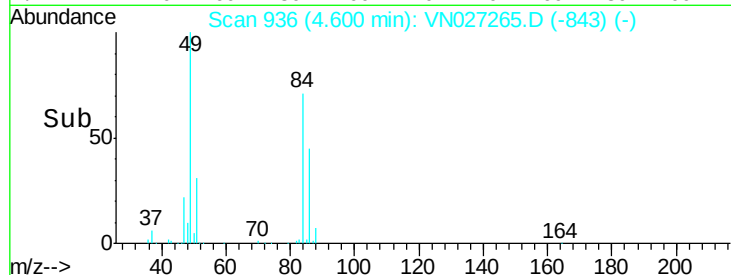
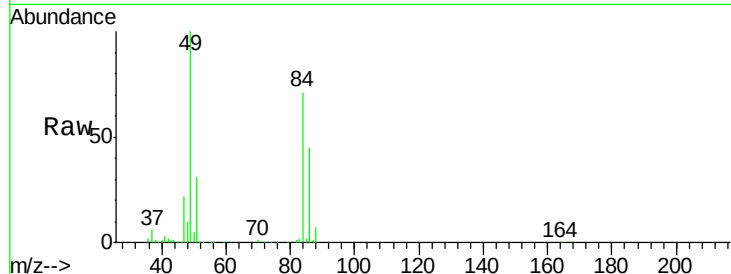
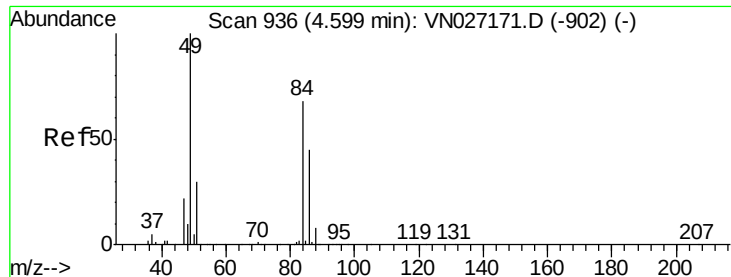
MMDadoda
9/18/2015 12:23:40 PM



#20
Methyl tert-butyl Ether
Concen: 48.55 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

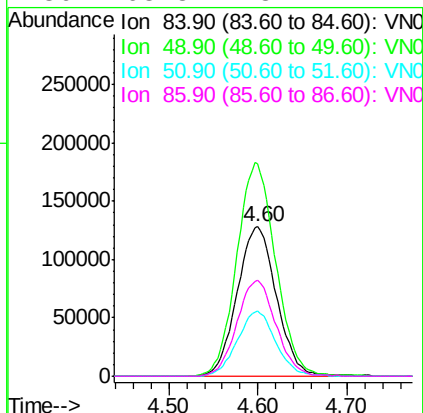
Tgt Ion: 73 Resp: 1307456
Ion Ratio Lower Upper
73 100
57 22.9 19.8 29.6





#21
Methylene Chloride
Concen: 48.84 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

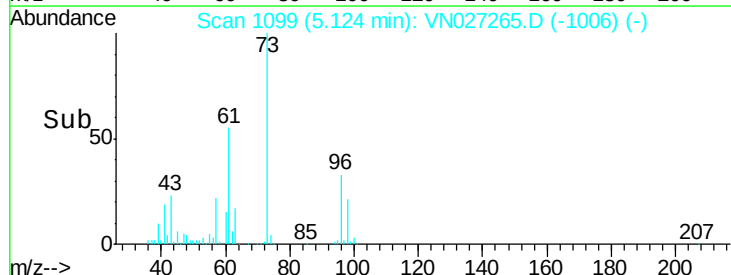
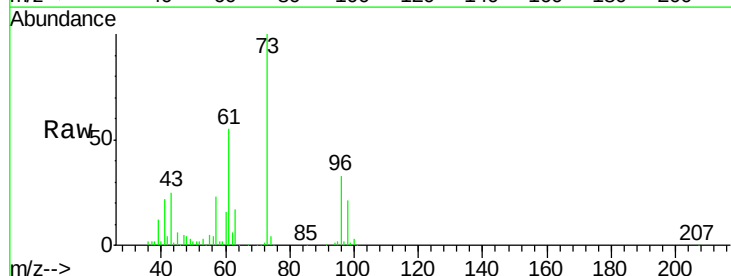
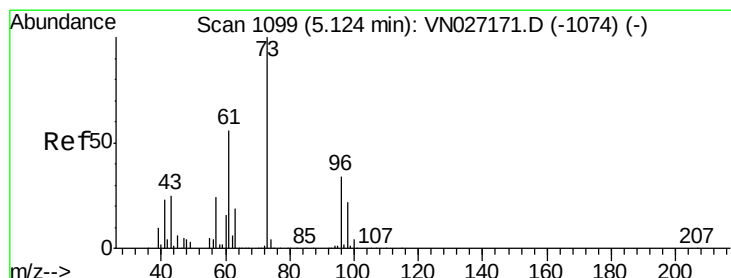
Tot Ion	84	Resp	392674
Ion Ratio	Lower	Upper	
84	100		
49	141.6	112.3	168.5
51	43.4	33.8	50.8
86	63.8	48.2	72.4



Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

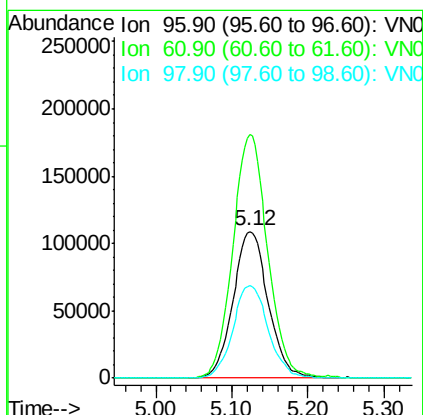
Manual Integrations
APPROVED

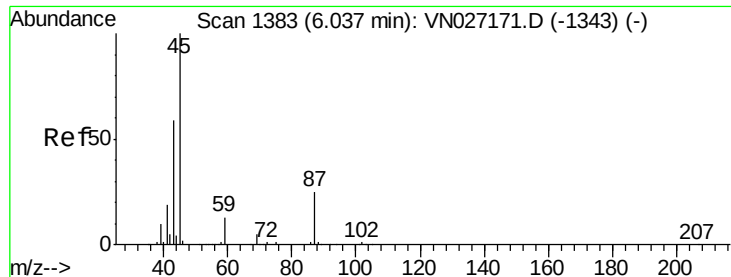
MMDadoda
9/18/2015 12:23:40 PM



#22
trans-1,2-Dichloroethene
Concen: 48.18 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	96	Resp	349558
Ion Ratio	Lower	Upper	
96	100		
61	166.3	126.6	189.8
98	62.8	47.4	71.2





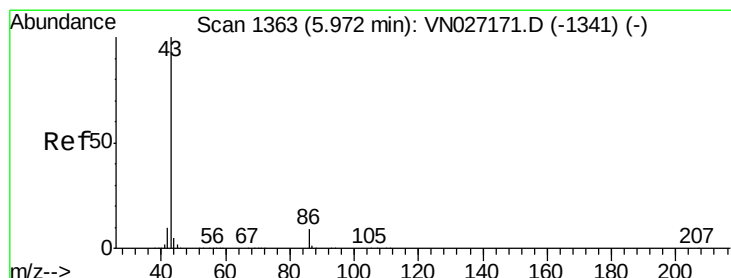
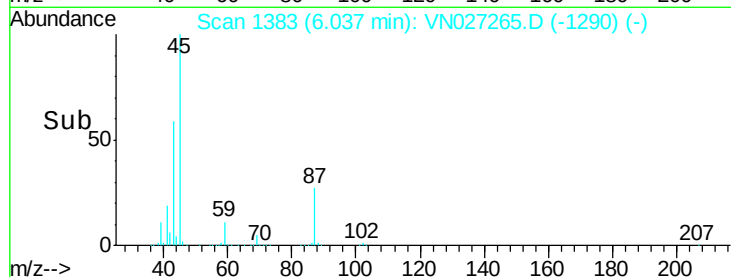
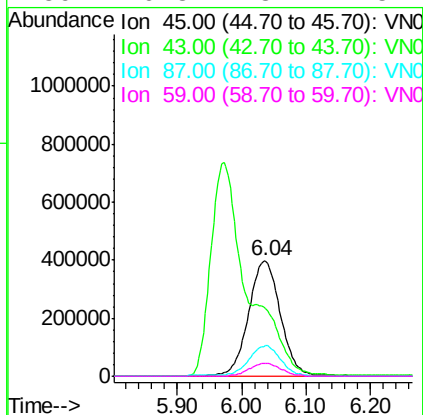
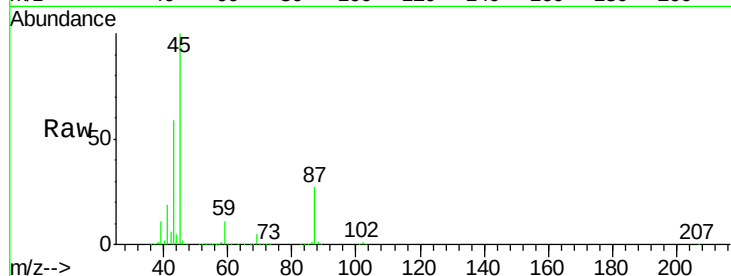
#23
Diisopropyl ether
Concen: 48.39 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
45	100		
43	58.2	41.0	61.6
87	26.4	17.5	26.3
59	10.8	8.7	13.1

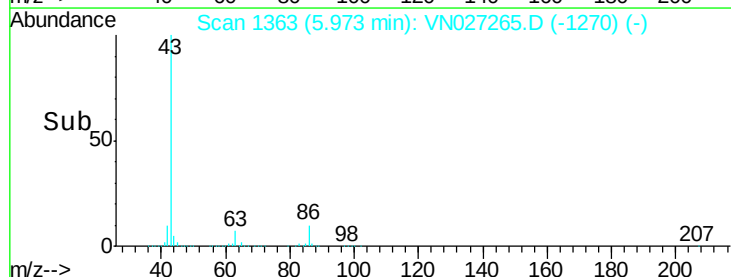
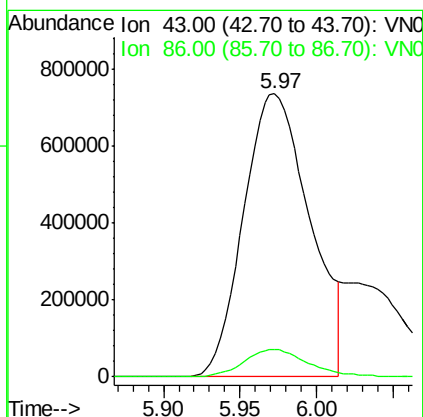
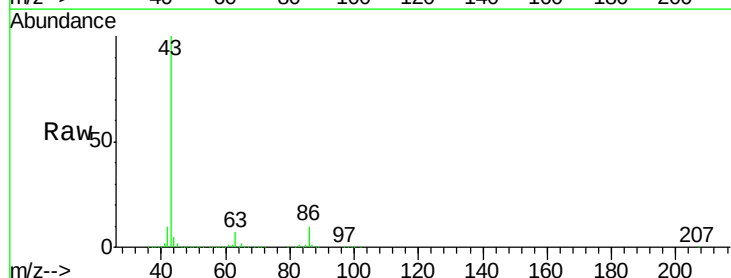
Manual Integrations
APPROVED

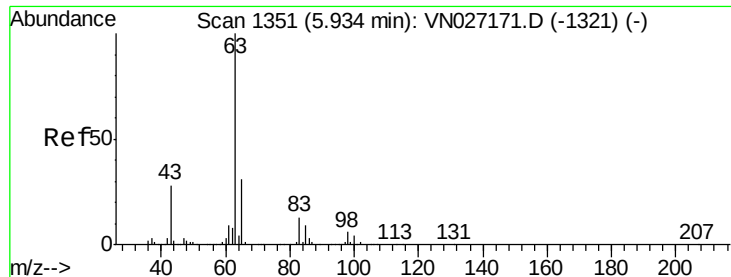
MMDadoda
9/18/2015 12:23:40 PM



#24
Vinyl Acetate
Concen: 236.55 ug/l m
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.7	6.9	10.3





#25

1,1-Dichloroethane

Concen: 48.01 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

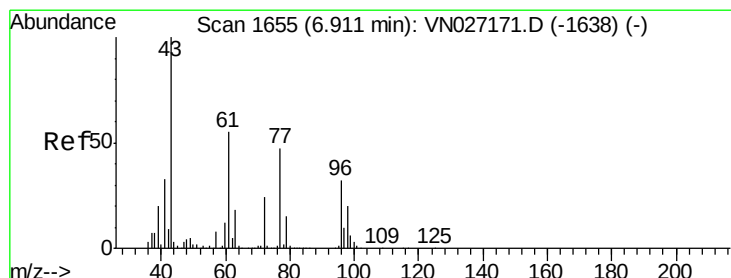
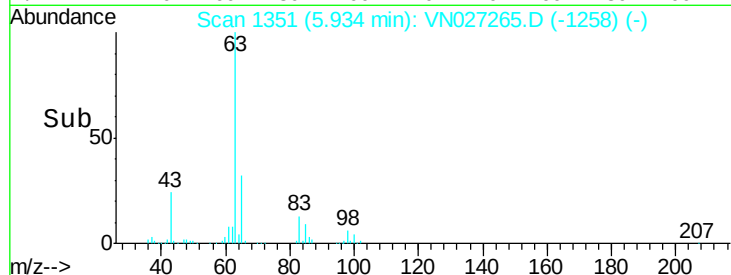
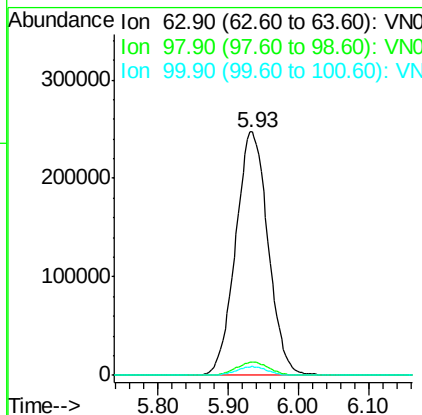
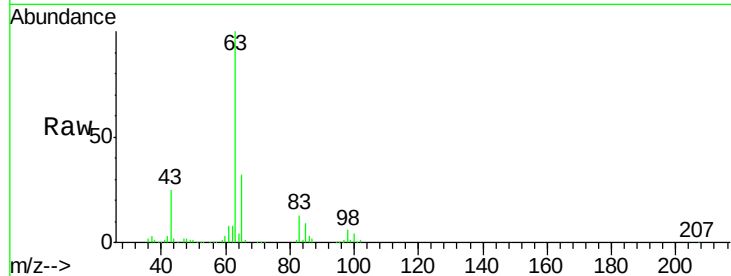
ClientSampleId :

MW-12-9-15-15MSD

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.7	2.8	8.3
100	3.7	1.7	5.0

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM



#26

2-Butanone

Concen: 244.73 ug/l

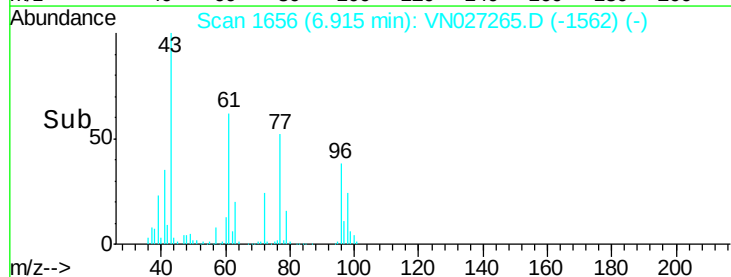
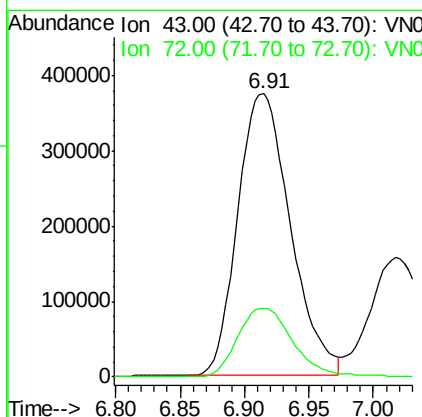
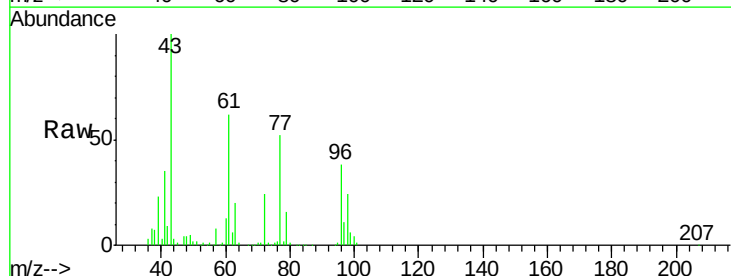
RT: 6.91 min Scan# 1656

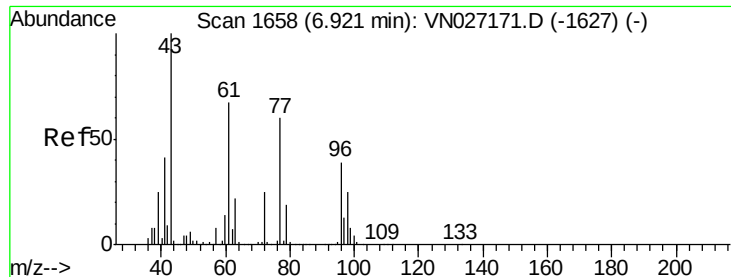
Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	24.4	18.8	28.2





#27

2,2-Dichloropropane

Concen: 45.04 ug/l

RT: 6.92 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 77 Resp: 645342

Ion Ratio Lower Upper

77 100

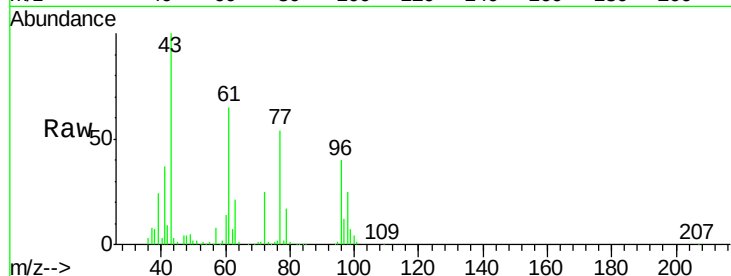
97 21.1 11.8 35.3

Manual Integrations

APPROVED

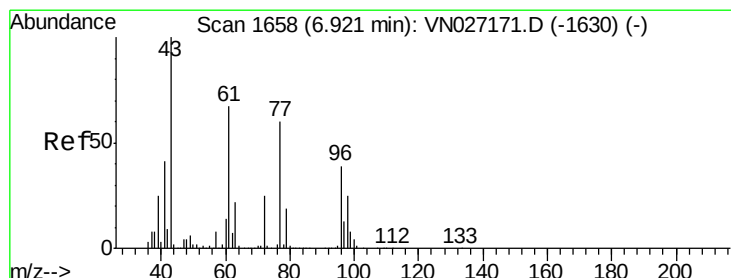
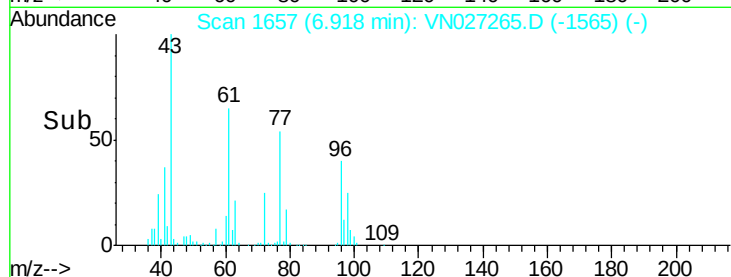
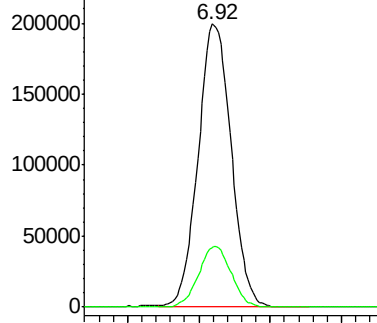
MMDadoda

9/18/2015 12:23:40 PM



Abundance Ion 76.90 (76.60 to 77.60): VNO

Ion 96.90 (96.60 to 97.60): VNO



#28

cis-1,2-Dichloroethene

Concen: 50.50 ug/l

RT: 6.92 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

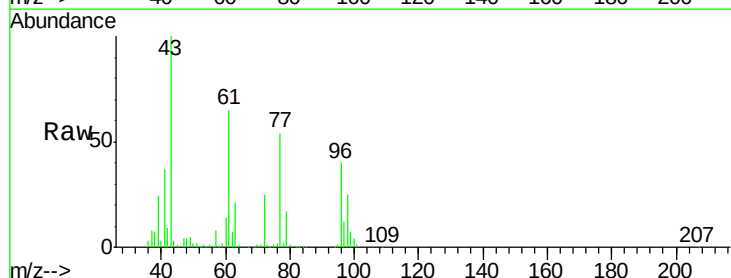
Tgt Ion: 96 Resp: 420276

Ion Ratio Lower Upper

96 100

61 167.9 0.0 329.2

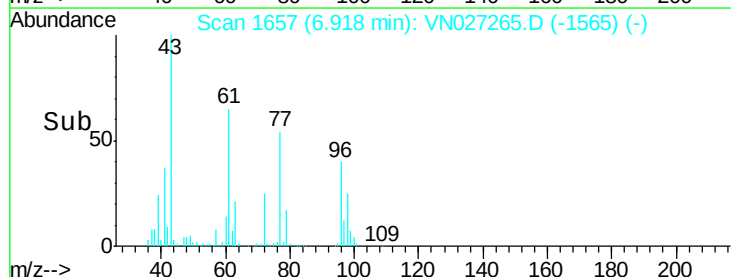
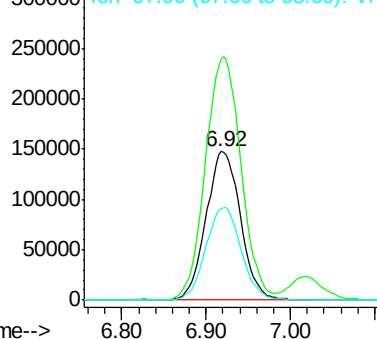
98 64.0 0.0 126.0

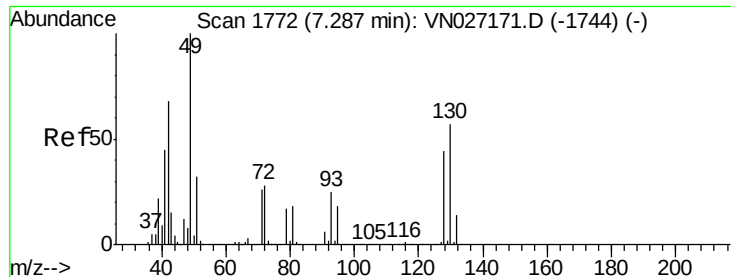


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO





#29

Bromochloromethane

Concen: 46.19 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

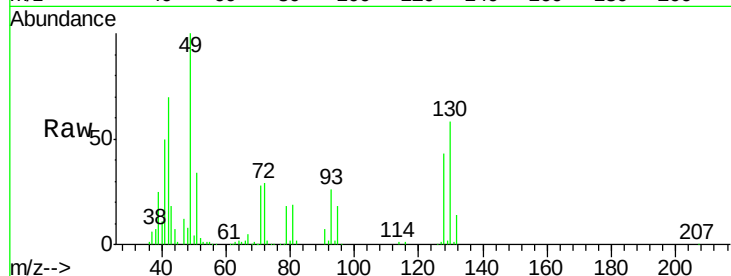
ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:	49	Resp:	296105
Ion Ratio	Lower	Upper	
49	100		
129	1.5	0.0	3.2
130	57.8	43.2	64.8

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM

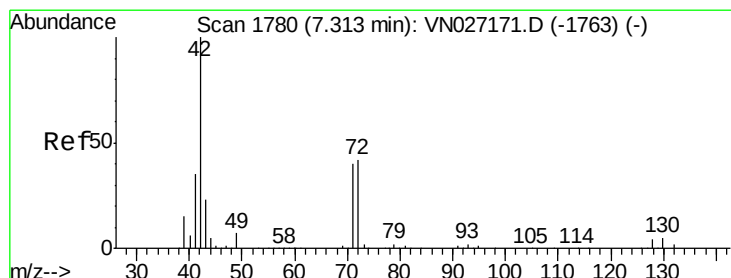
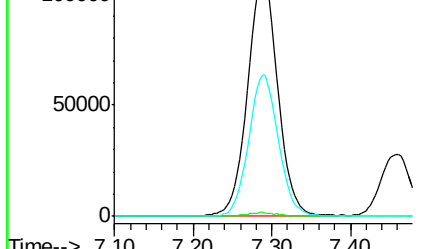
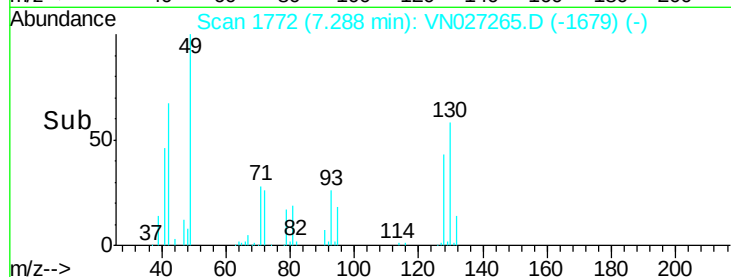


Abundance Ion 48.90 (48.60 to 49.60): VN027265.D (-1679) (-)

Ion 128.80 (128.50 to 129.50): VN027265.D (-1679) (-)

Ion 129.80 (129.50 to 130.50): VN027265.D (-1679) (-)

Time-->



#30

Tetrahydrofuran

Concen: 232.71 ug/l

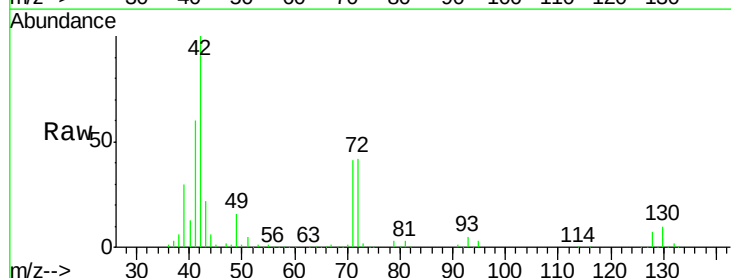
RT: 7.31 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tgt Ion:	42	Resp:	697056
Ion Ratio	Lower	Upper	
42	100		
72	42.3	29.9	44.9
71	41.1	28.3	42.5

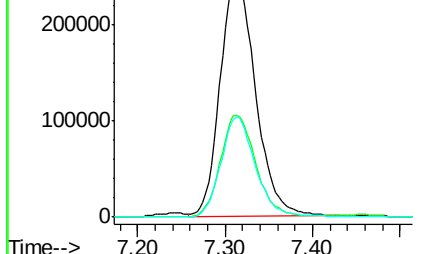
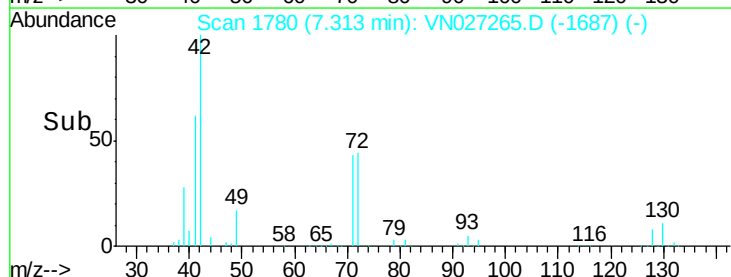


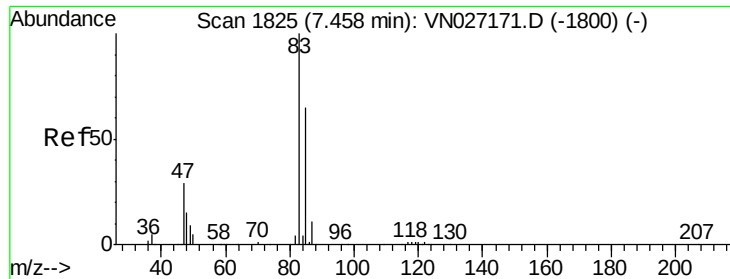
Abundance Ion 42.00 (41.70 to 42.70): VN027265.D (-1687) (-)

Ion 72.00 (71.70 to 72.70): VN027265.D (-1687) (-)

Ion 71.00 (70.70 to 71.70): VN027265.D (-1687) (-)

Time-->





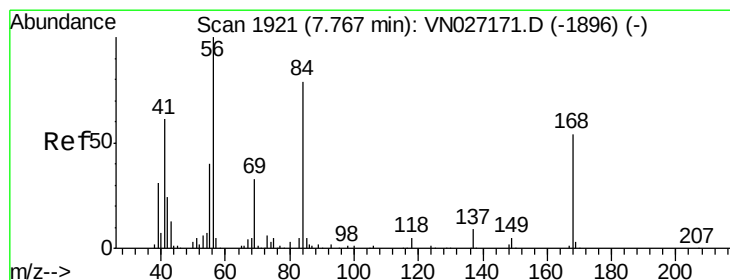
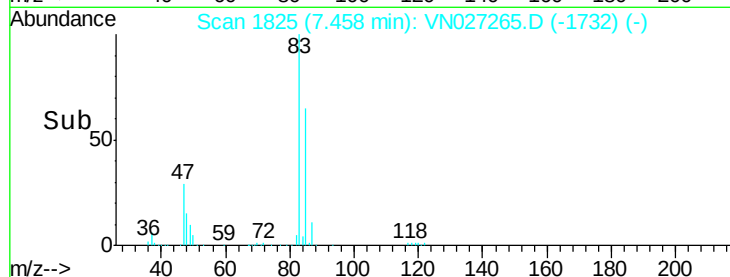
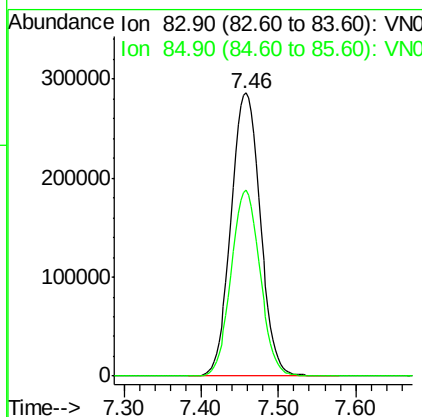
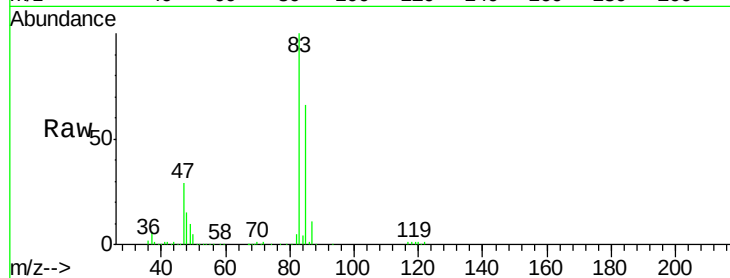
#31
Chloroform
Concen: 50.30 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
83	83	100			
85	85	65.6	51.1	76.7	

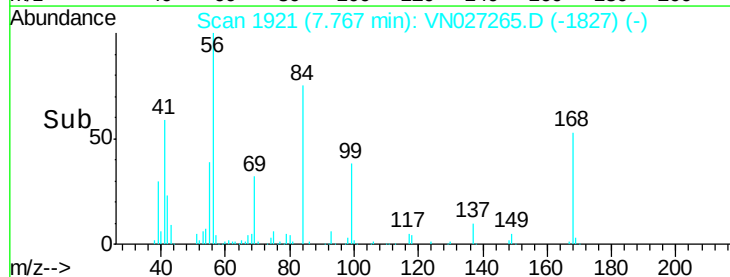
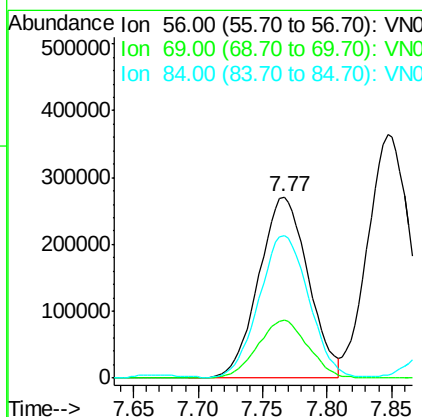
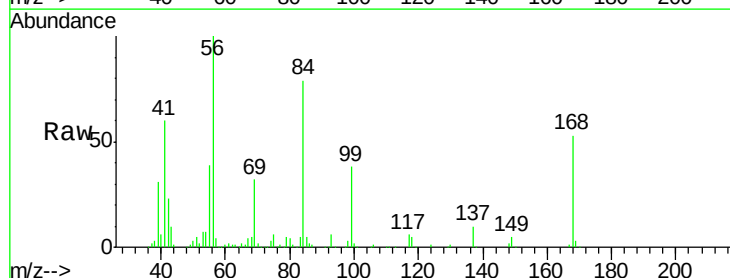
Manual Integrations
APPROVED

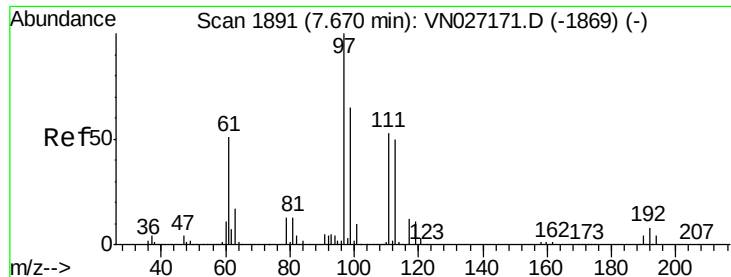
MMDadoda
9/18/2015 12:23:40 PM



#32
Cyclohexane
Concen: 49.13 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
56	56	100			
69	69	31.9	23.0	34.4	
84	84	78.0	57.8	86.8	





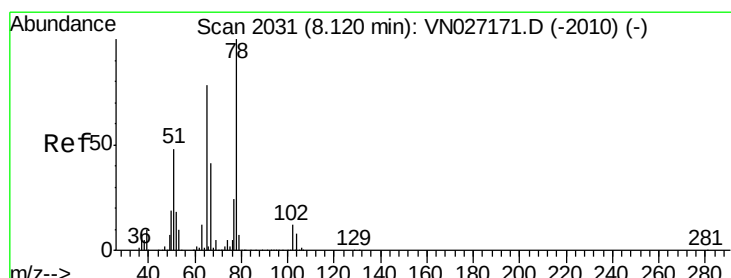
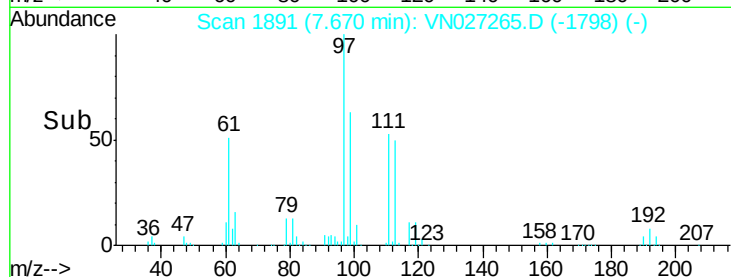
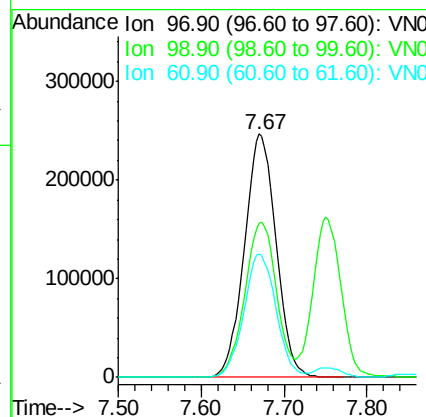
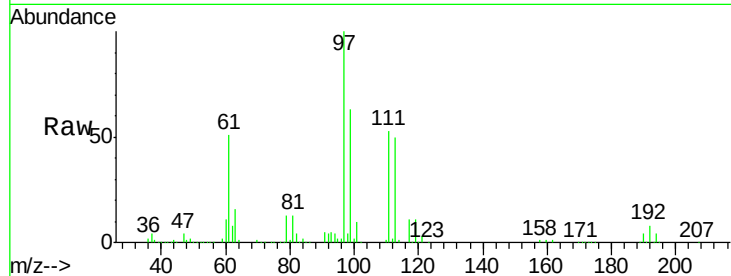
#33
 1,1,1-Trichloroethane
 Concen: 49.19 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		654460		
99	64.3	50.1	75.1		
61	51.5	44.0	66.0		

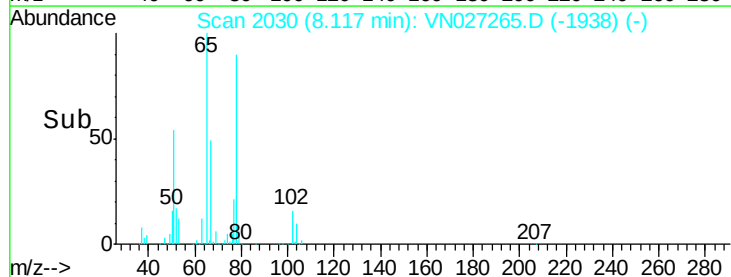
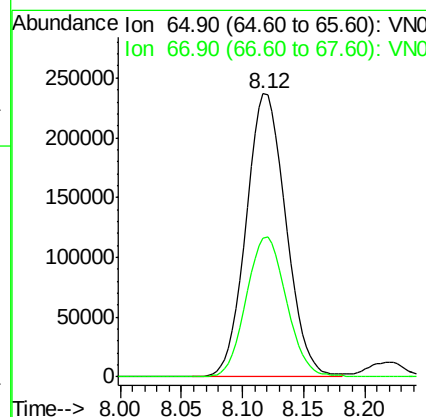
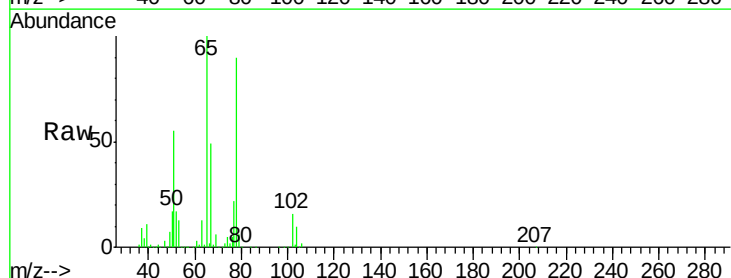
Manual Integrations
 APPROVED

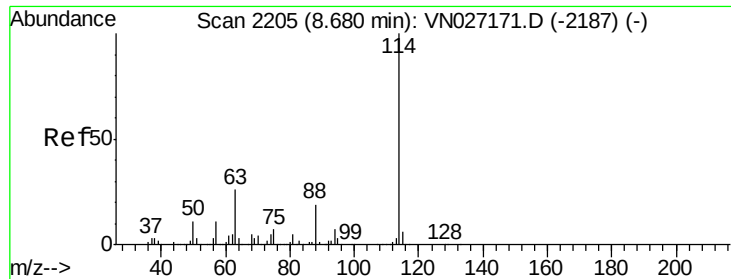
MMDadoda
 9/18/2015 12:23:40 PM



#34
 1,2-Dichloroethane-d4
 Concen: 49.89 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		534094		
67	50.0	0.0	110.6		





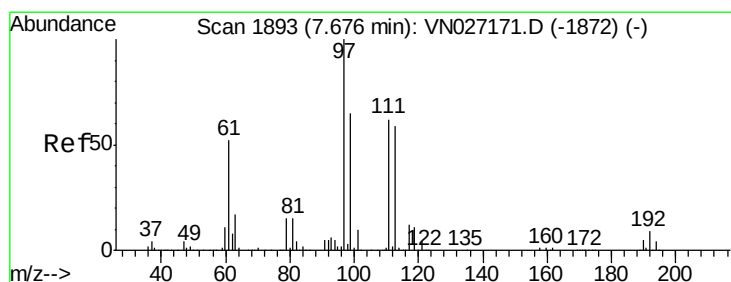
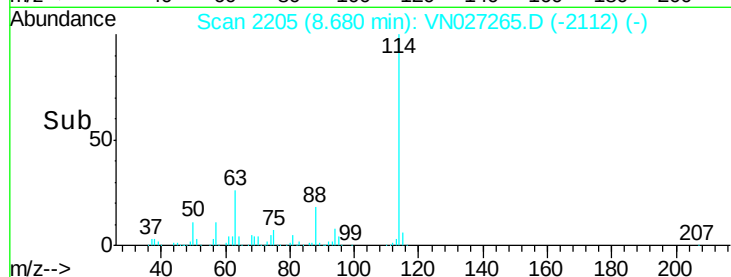
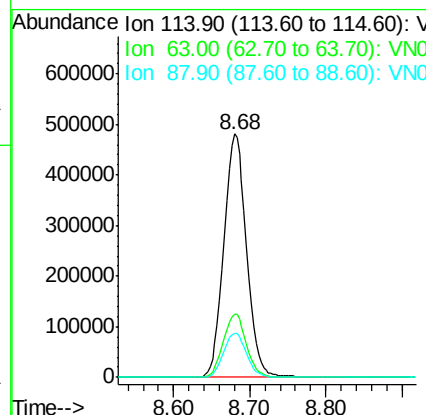
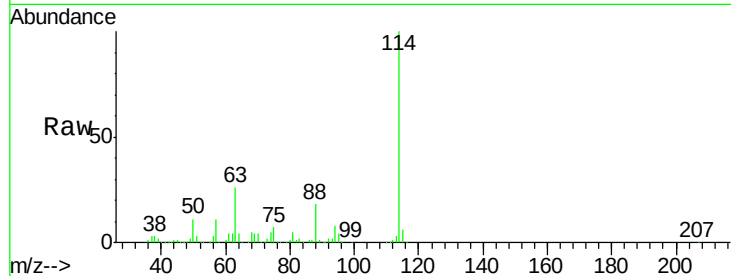
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
114	100	999193		
63	26.0		0.0	48.8
88	18.3		0.0	32.2

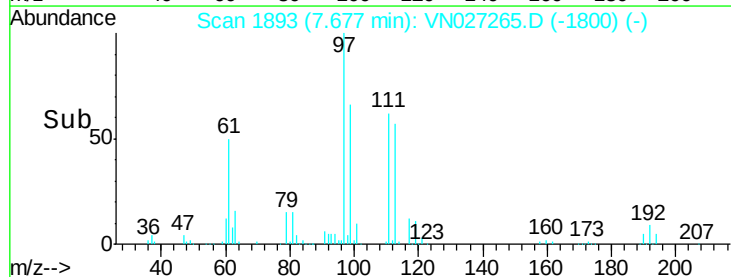
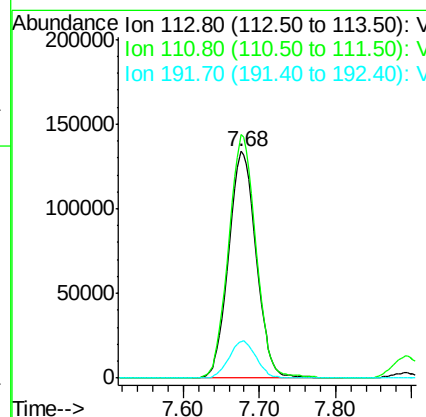
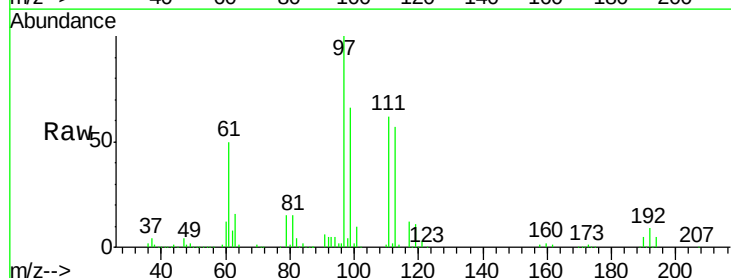
Manual Integrations
 APPROVED

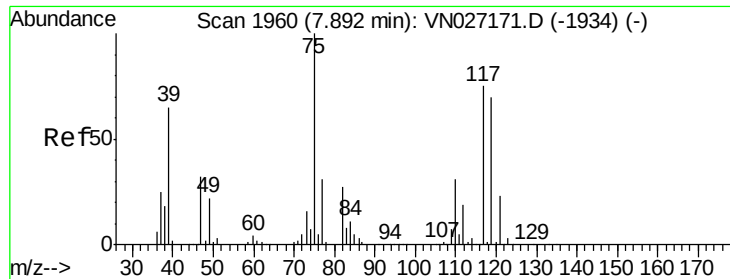
MMDadoda
 9/18/2015 12:23:40 PM



#36
 Dibromofluoromethane
 Concen: 48.88 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	338528		
111	106.6		83.0	124.4
192	16.0		14.1	21.1





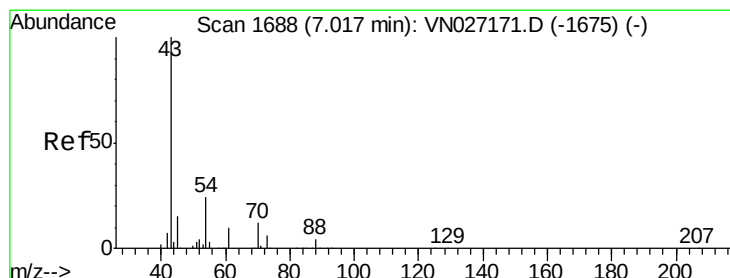
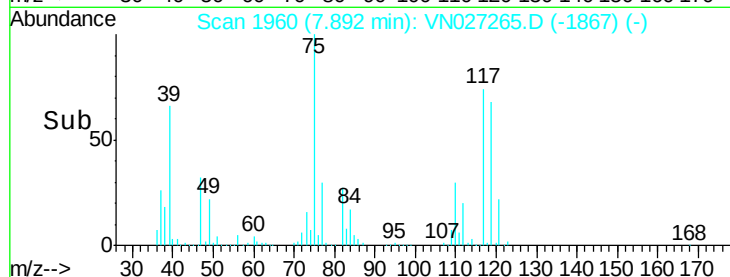
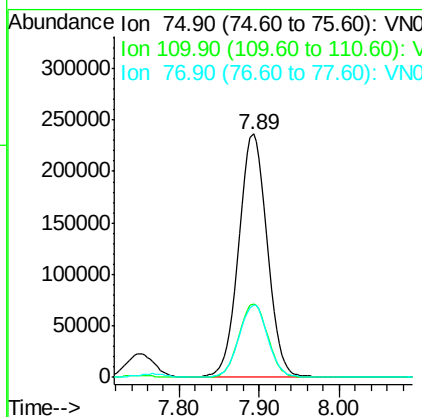
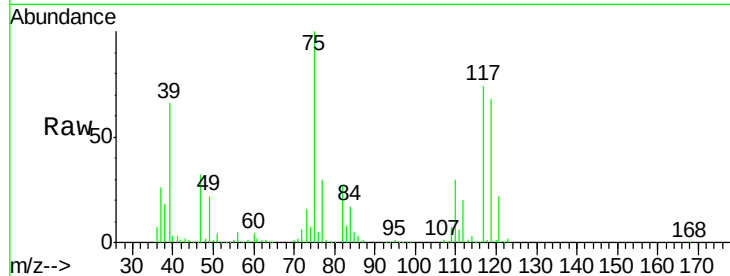
#37
 1,1-Dichloropropene
 Concen: 48.31 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.7	15.9	47.7
77	30.1	24.9	37.3

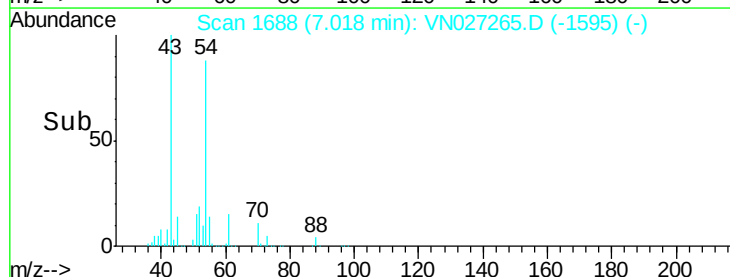
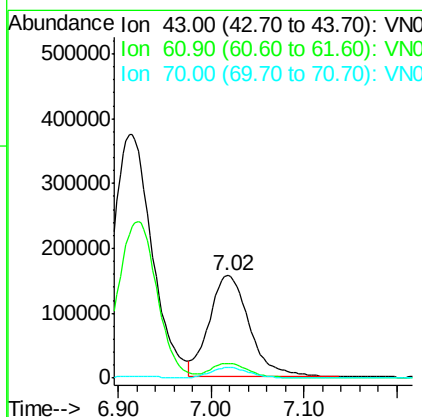
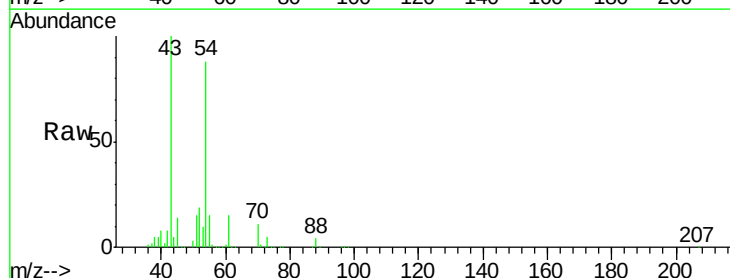
Manual Integrations
 APPROVED

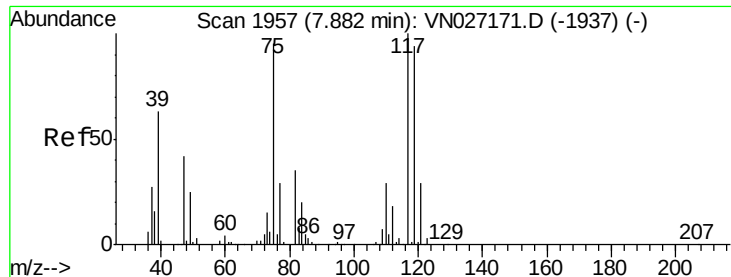
MMDadoda
 9/18/2015 12:23:40 PM



#38
 Ethyl Acetate
 Concen: 47.14 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.2	15.4
70	9.7	7.4	11.0





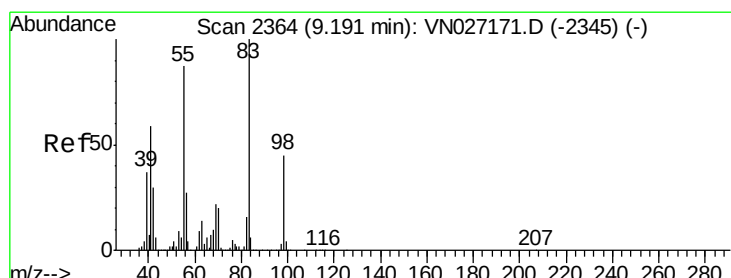
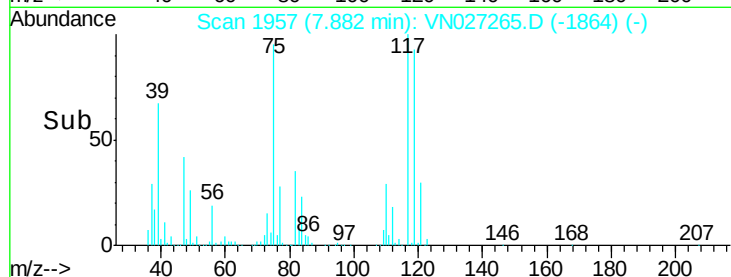
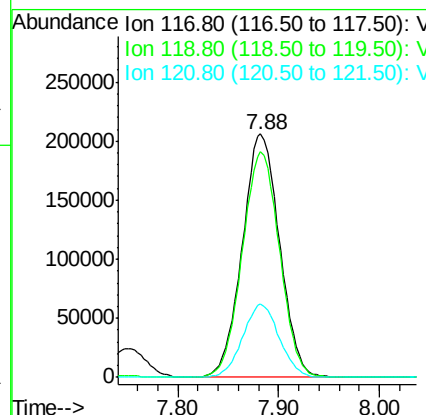
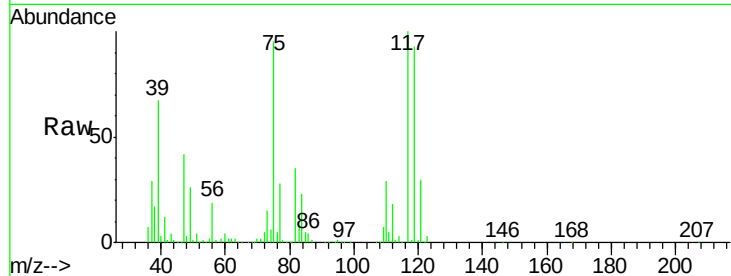
#39
Carbon Tetrachloride
Concen: 47.87 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.9	75.3	112.9
121	30.1	23.8	35.8

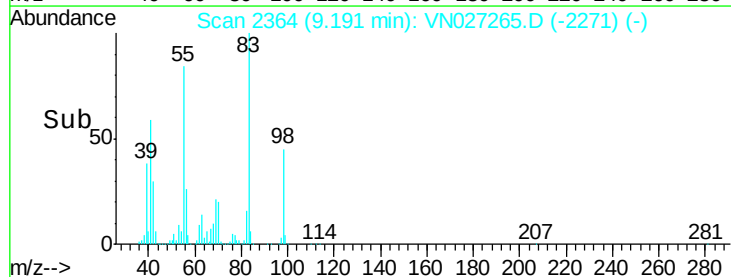
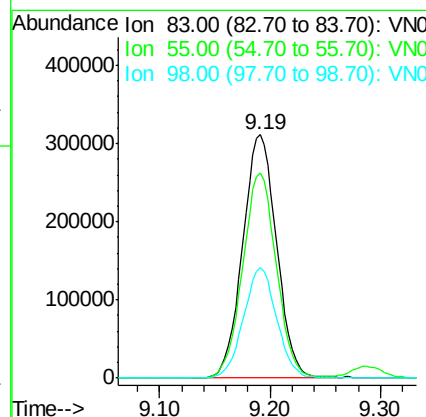
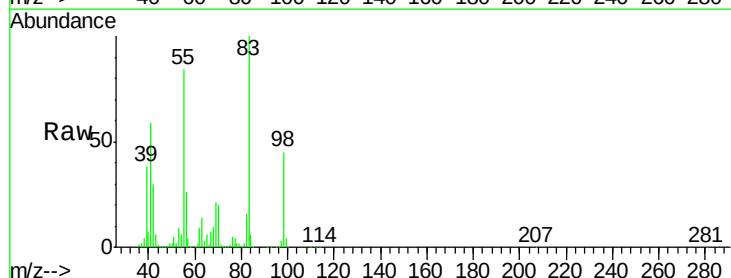
Manual Integrations
APPROVED

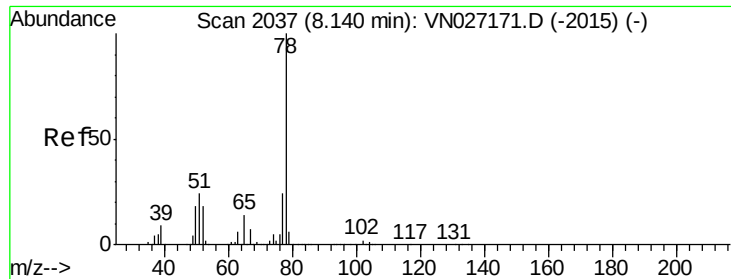
MMDadoda
9/18/2015 12:23:40 PM



#40
Methylcyclohexane
Concen: 46.55 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.2	69.8	104.8
98	45.4	34.3	51.5





#41

Benzene

Concen: 47.90 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 78 Resp: 1634566

Ion Ratio Lower Upper

78 100

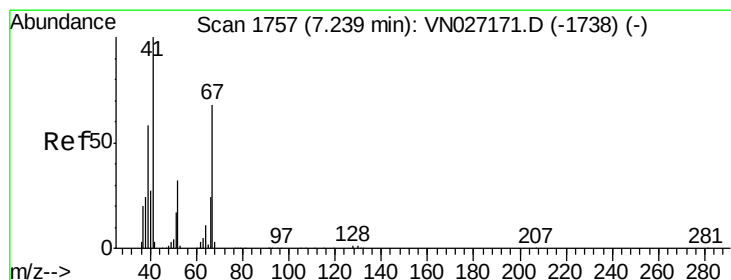
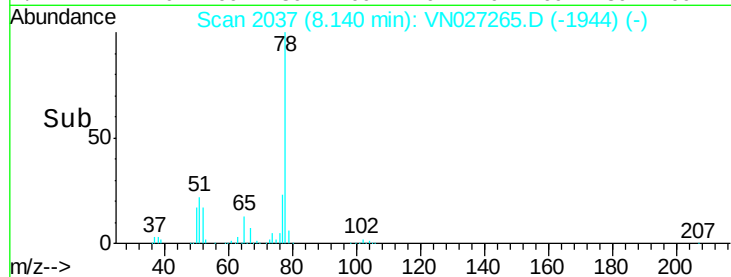
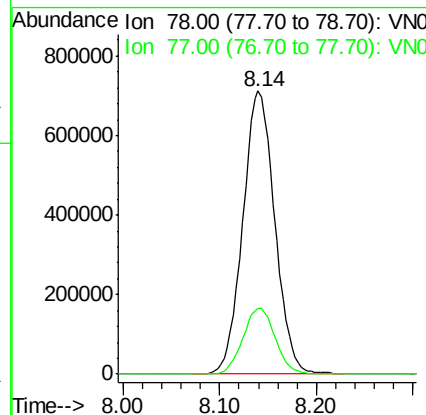
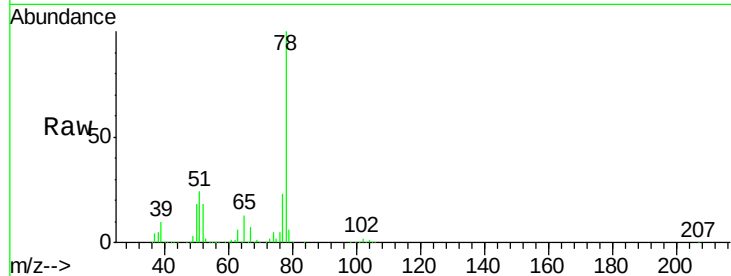
77 23.2 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#42

Methacrylonitrile

Concen: 48.89 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tgt Ion: 41 Resp: 276407

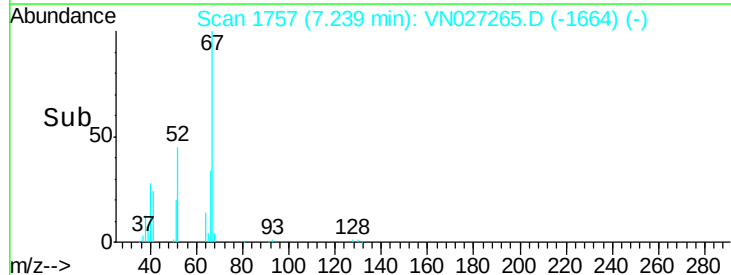
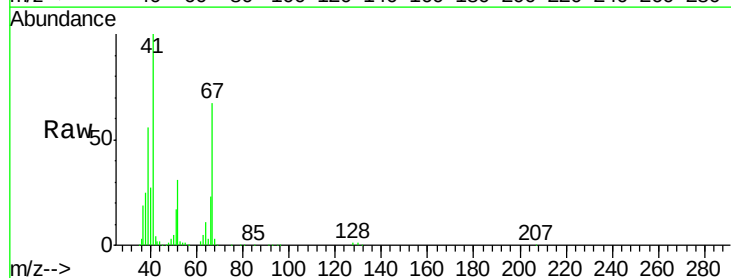
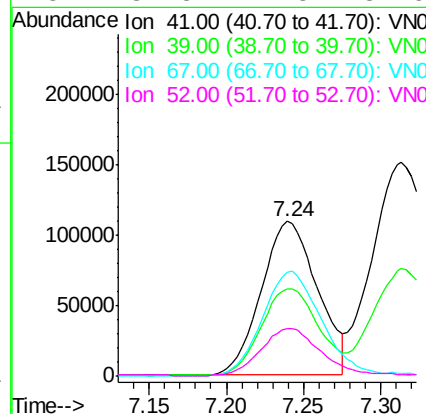
Ion Ratio Lower Upper

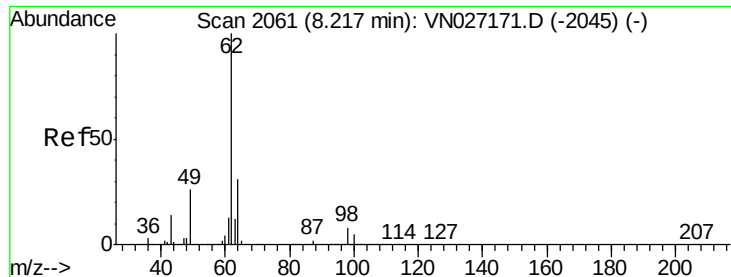
41 100

39 58.5 43.0 64.6

67 72.5 52.2 78.2

52 32.3 21.3 31.9#





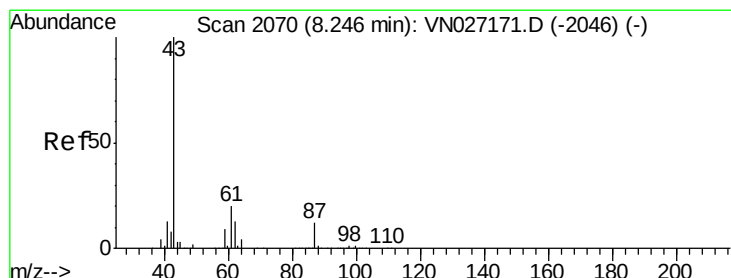
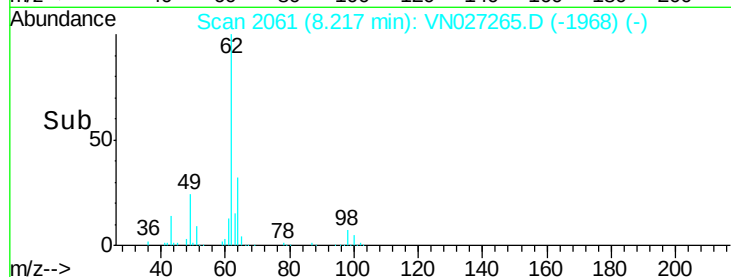
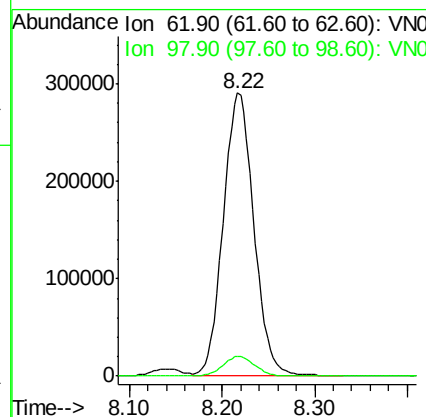
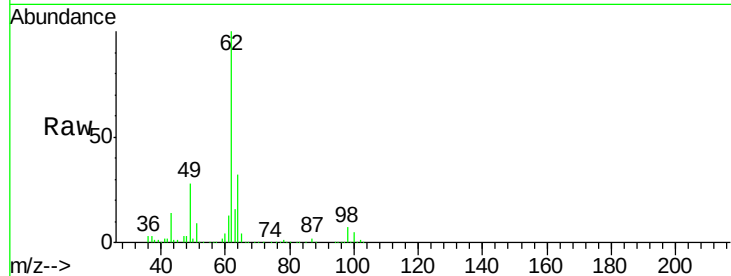
#43
 1,2-Dichloroethane
 Concen: 48.24 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
62	100	663273		
98	7.3	0.0	18.0	

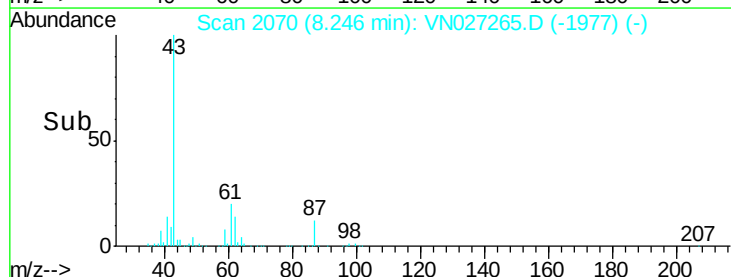
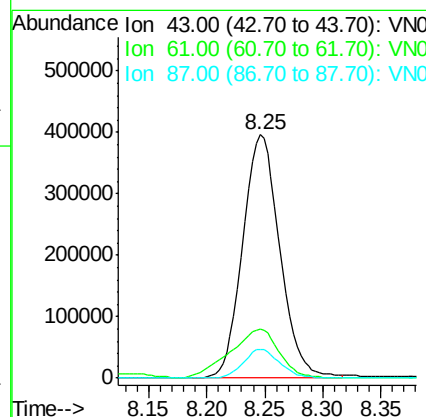
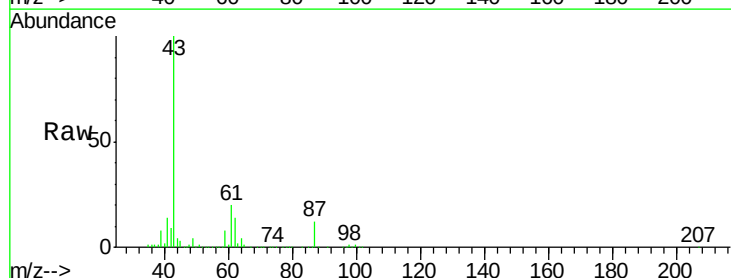
Manual Integrations
 APPROVED

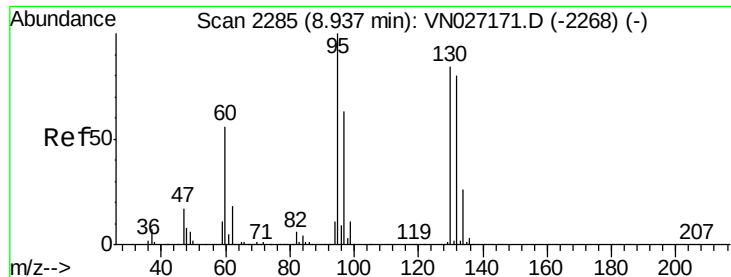
MMDadoda
 9/18/2015 12:23:40 PM



#44
 Isopropyl Acetate
 Concen: 47.03 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	879040		
61	26.3	20.6	31.0	
87	11.7	8.6	13.0	





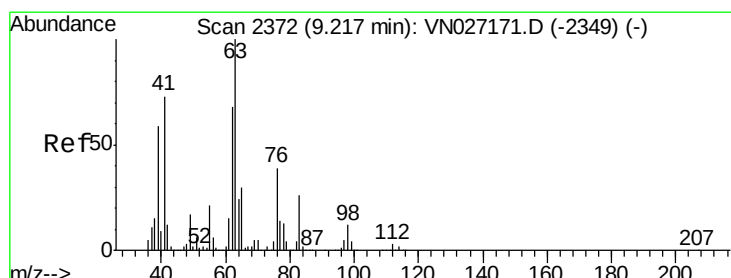
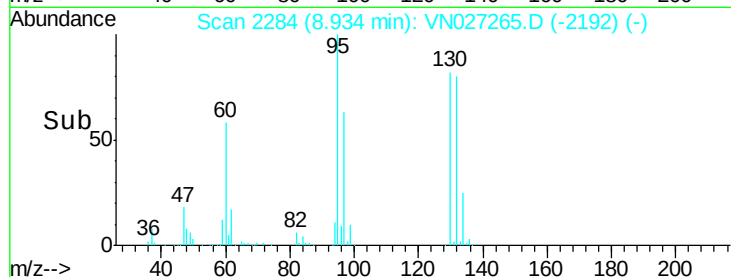
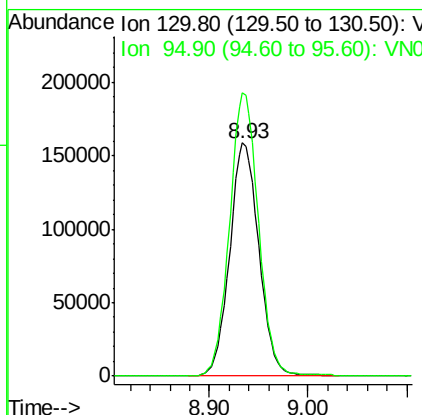
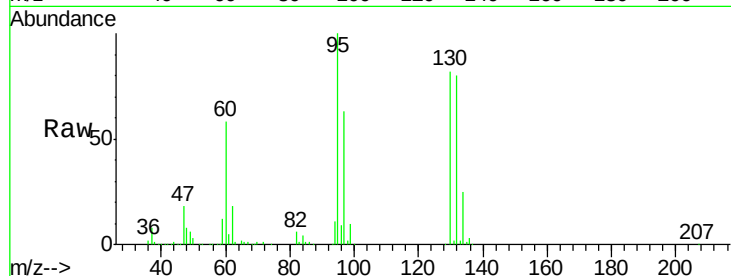
#45
 Trichloroethene
 Concen: 47.86 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	121.4	0.0	222.2	

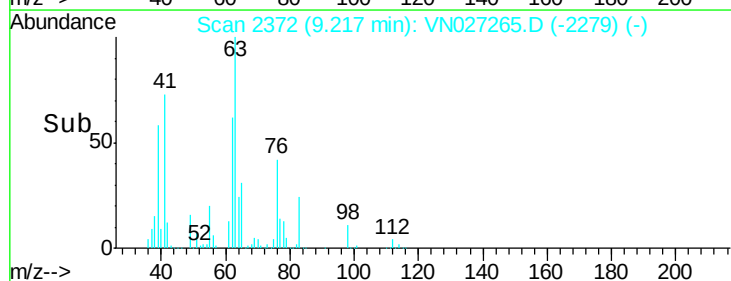
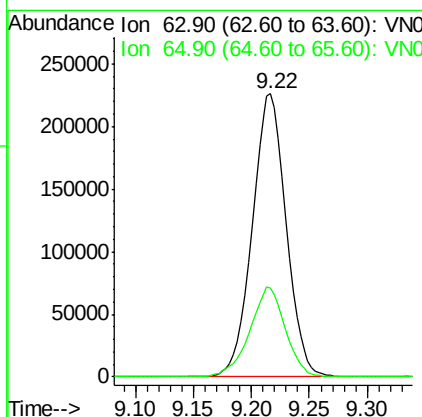
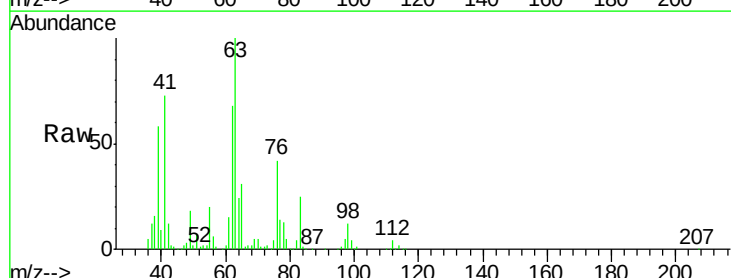
Manual Integrations
 APPROVED

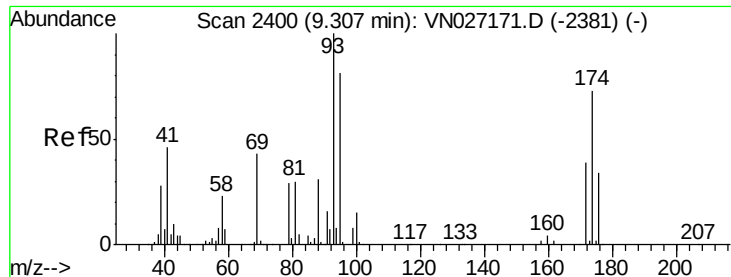
MMDadoda
 9/18/2015 12:23:40 PM



#46
 1,2-Dichloropropane
 Concen: 46.90 ug/l
 RT: 9.22 min Scan# 2372
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
65	31.5	24.4	36.6	





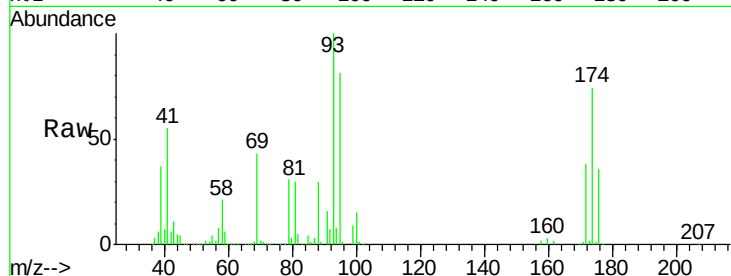
#47
Dibromomethane
Concen: 47.83 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

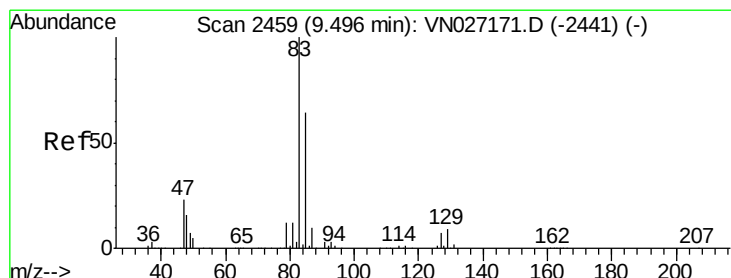
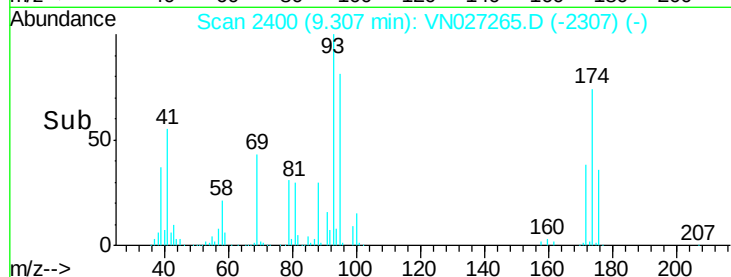
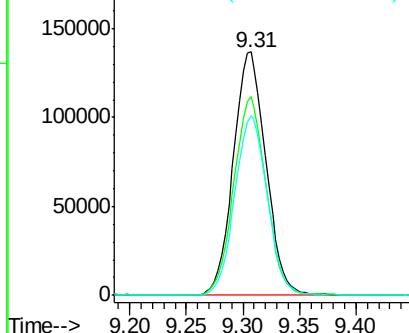
Tot Ion	Ion	Ratio	Resp	Lower	Upper
93	100		275737		
95	80.9	66.3	99.5		
174	73.6	67.8	101.6		

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM

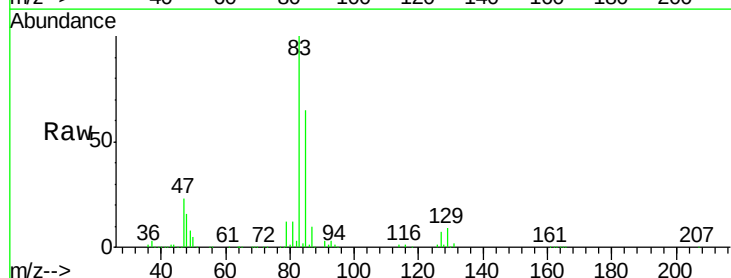


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

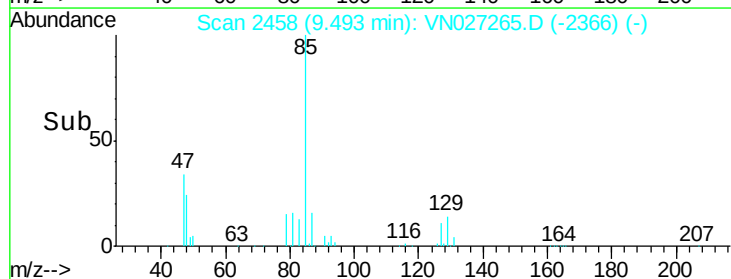
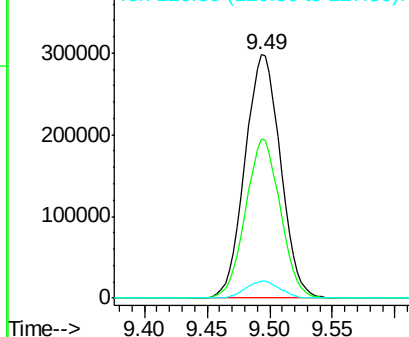


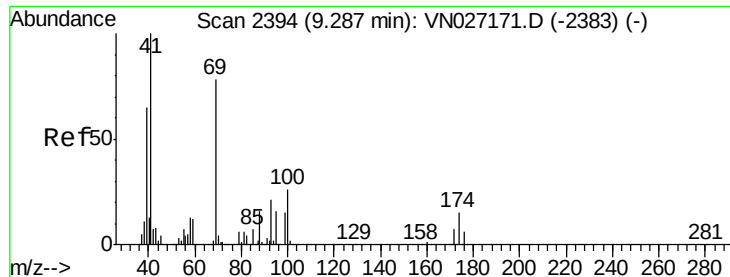
#48
Bromodichloromethane
Concen: 48.21 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		585727		
85	65.2	50.7	76.1		
127	7.0	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: 46.84 ug/l

RT: 9.29 min Scan# 2394

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 41 Resp: 436225

Ion Ratio Lower Upper

41 100

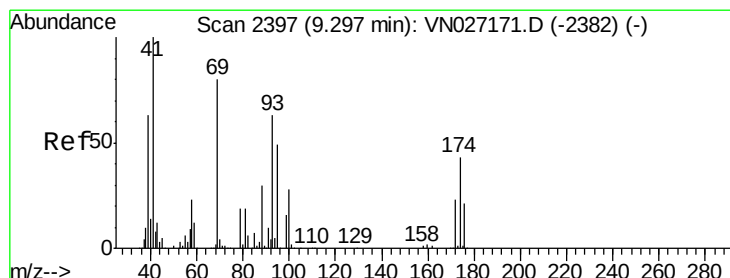
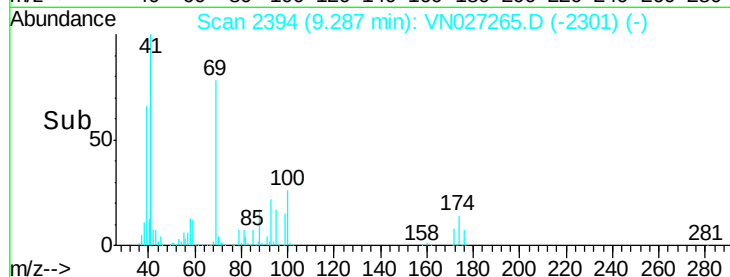
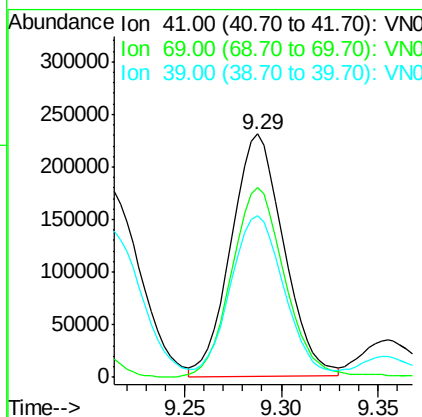
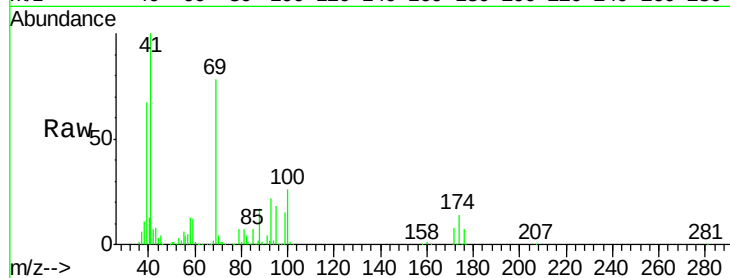
69 79.3 59.3 88.9

39 68.2 39.5 59.3#

Manual Integrations
APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#50

1,4-Dioxane

Concen: 945.46 ug/l

RT: 9.30 min Scan# 2398

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

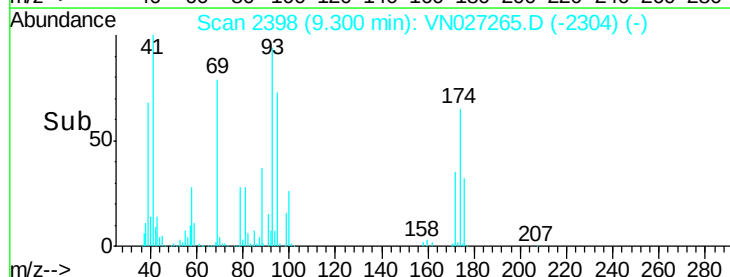
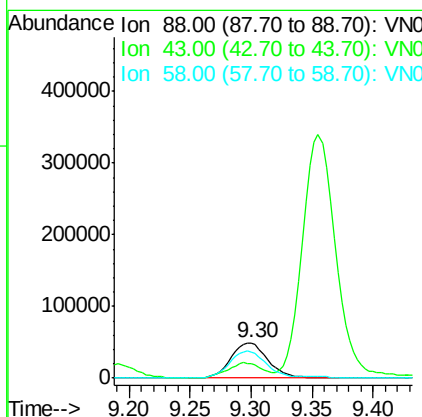
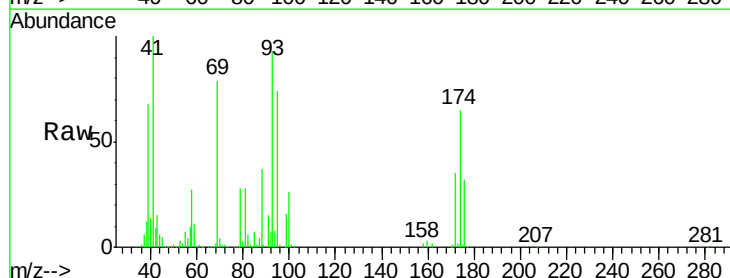
Tgt Ion: 88 Resp: 103261

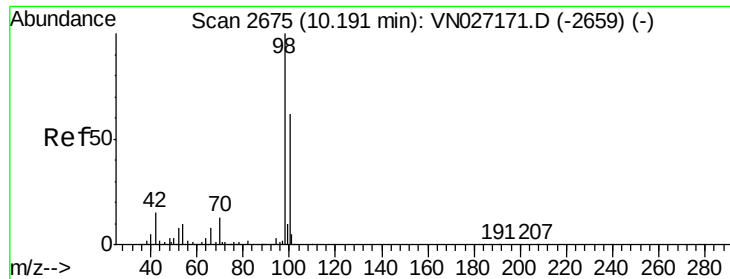
Ion Ratio Lower Upper

88 100

43 38.3 27.6 41.4

58 76.7 63.1 94.7





#51

Toluene-d8

Concen: 48.06 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 98 Resp: 1303411

Ion Ratio Lower Upper

98 100

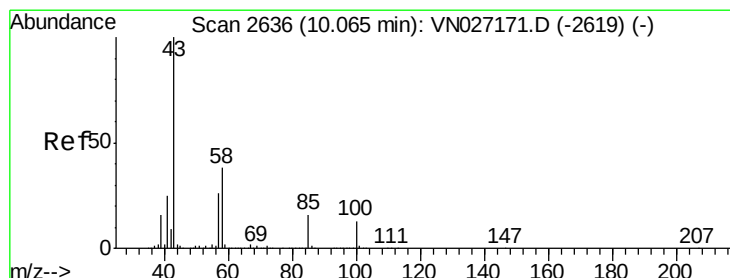
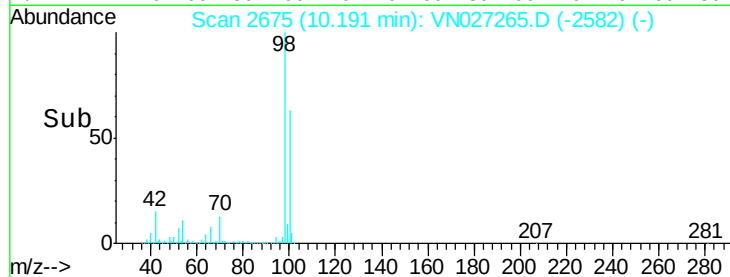
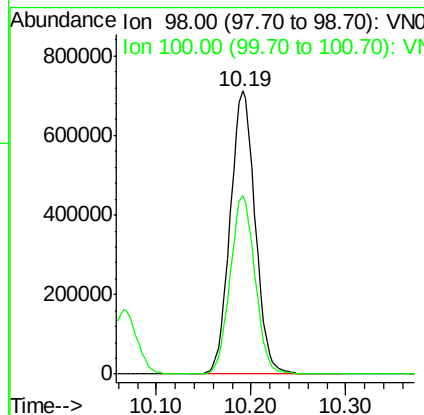
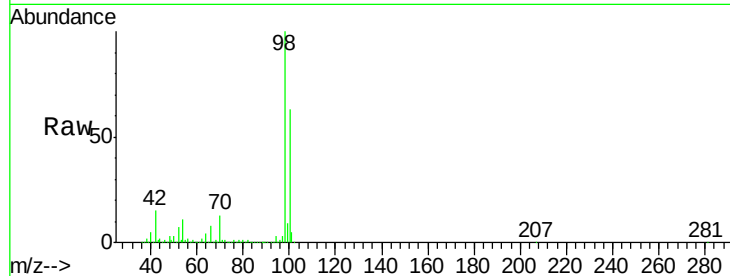
100 62.8 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#52

4-Methyl-2-Pentanone

Concen: 238.31 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027265.D

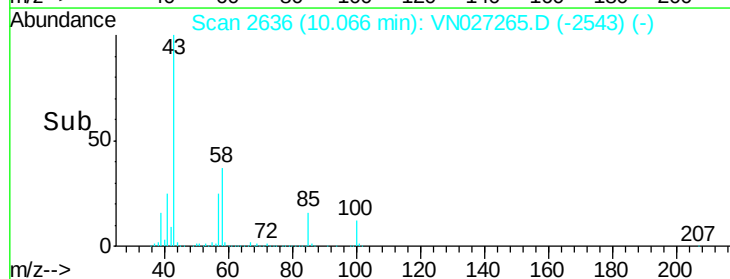
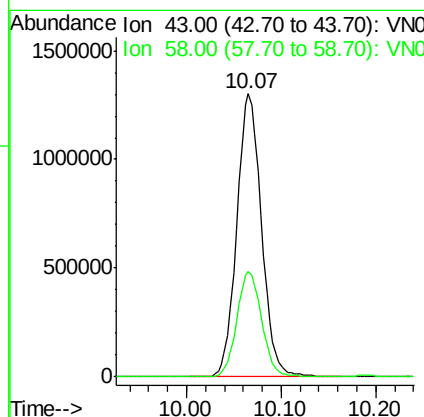
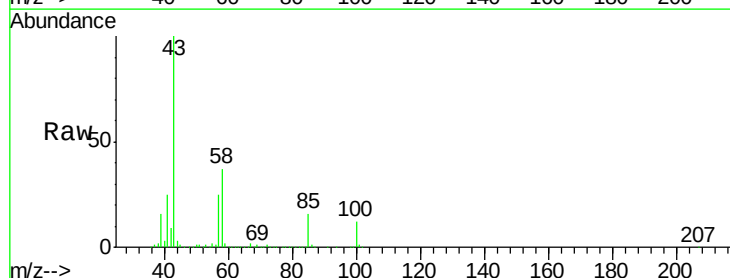
Acq: 17 Sep 2015 19:49

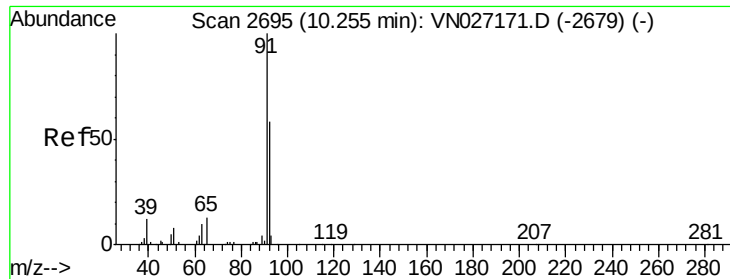
Tgt Ion: 43 Resp: 2355072

Ion Ratio Lower Upper

43 100

58 37.7 29.8 44.8





#53

Toluene

Concen: 47.73 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 92 Resp: 954173

Ion Ratio Lower Upper

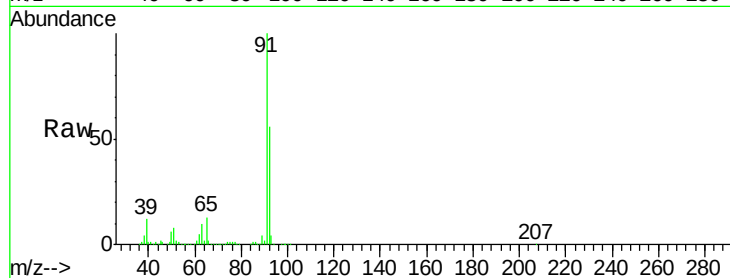
92 100

91 176.1 141.4 212.2

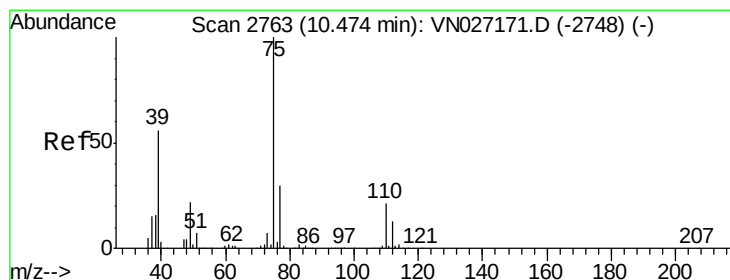
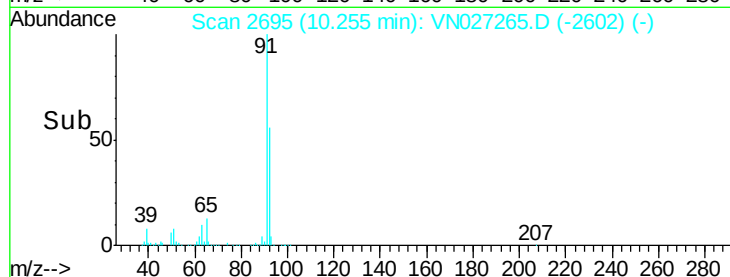
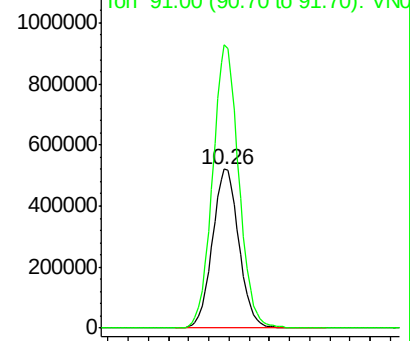
Manual Integrations
APPROVED

MMDadoda

9/18/2015 12:23:40 PM



Abundance Ion 92.00 (91.70 to 92.70): VN0



#54

t-1,3-Dichloropropene

Concen: 46.32 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027265.D

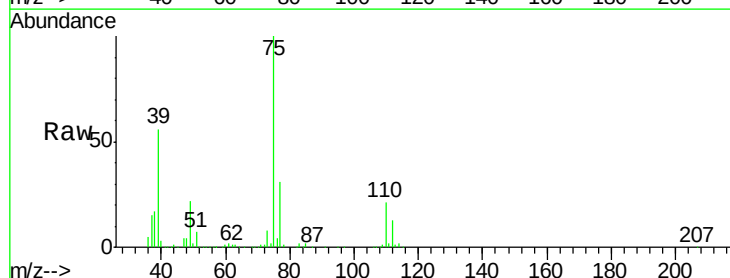
Acq: 17 Sep 2015 19:49

Tgt Ion: 75 Resp: 631936

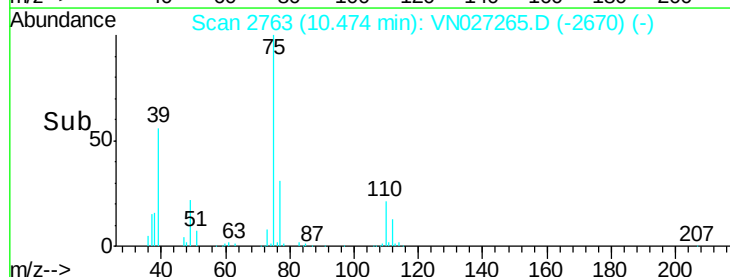
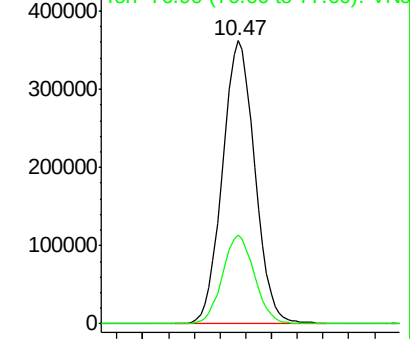
Ion Ratio Lower Upper

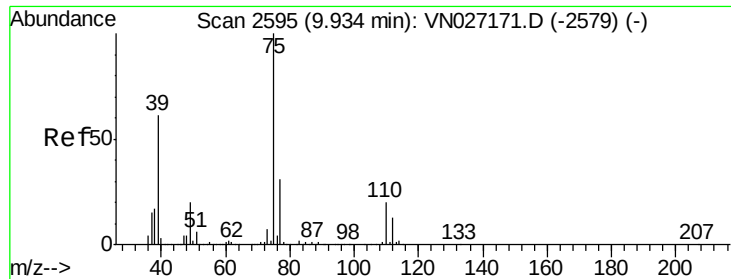
75 100

77 31.2 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0





#55

cis-1,3-Dichloropropene

Concen: 46.09 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

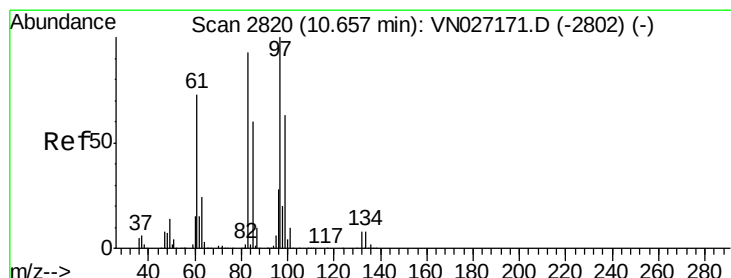
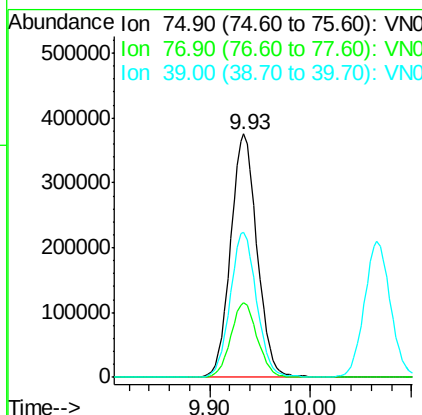
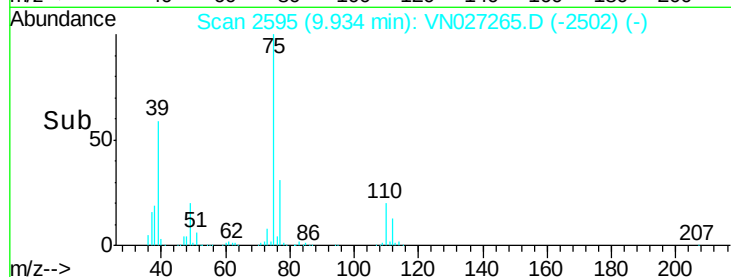
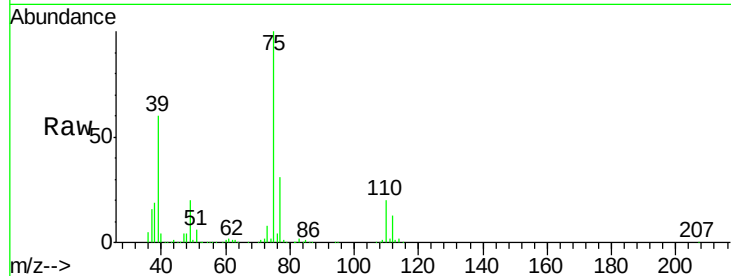
ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:	75	Resp:	684144
Ion Ratio	Lower	Upper	
75	100		
77	30.6	25.6	38.4
39	59.5	41.6	62.4

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM



#56

1,1,2-Trichloroethane

Concen: 48.71 ug/l

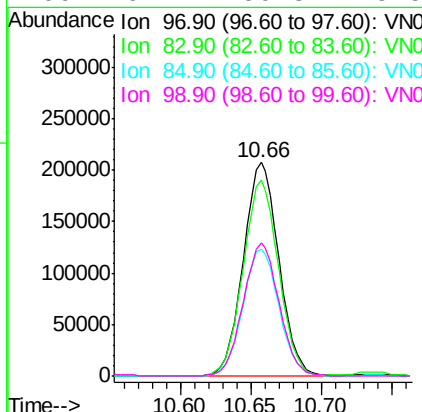
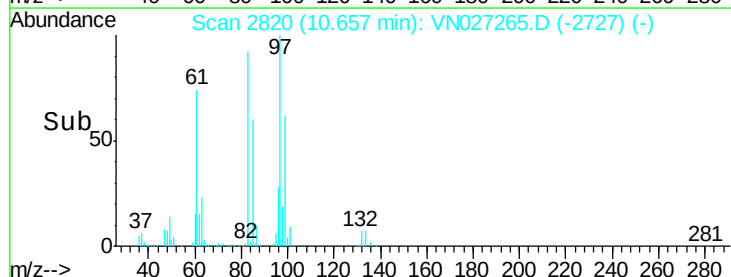
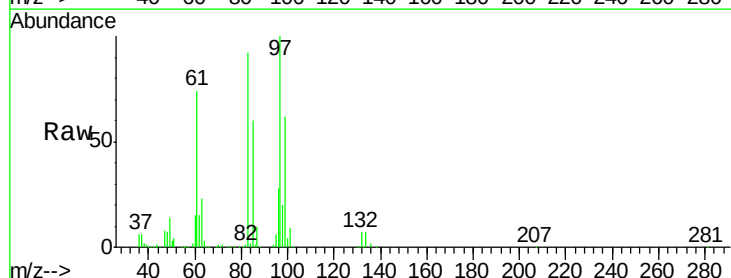
RT: 10.66 min Scan# 2820

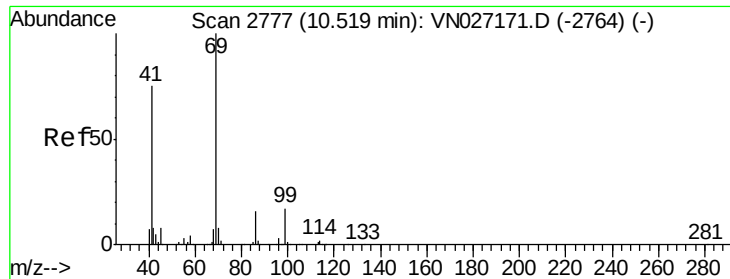
Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tgt Ion:	97	Resp:	365936
Ion Ratio	Lower	Upper	
97	100		
83	91.7	75.0	112.4
85	59.6	48.0	72.0
99	62.2	50.3	75.5





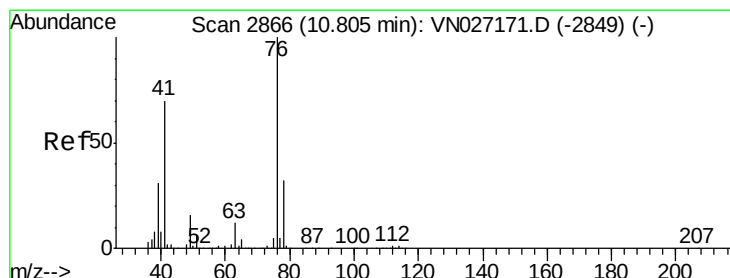
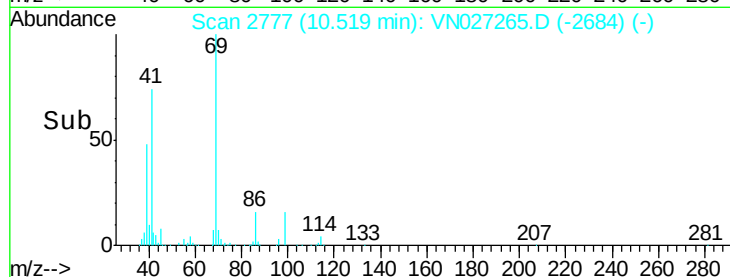
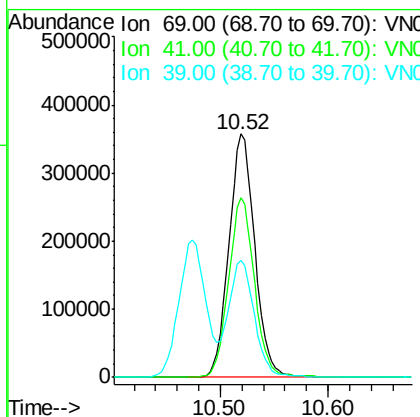
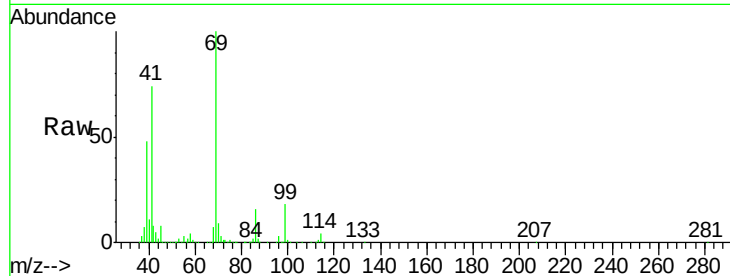
#57
Ethyl methacrylate
Concen: 47.33 ug/l
RT: 10.52 min Scan# 2777
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
69	100		
41	72.4	61.3	91.9
39	47.9	28.4	42.6

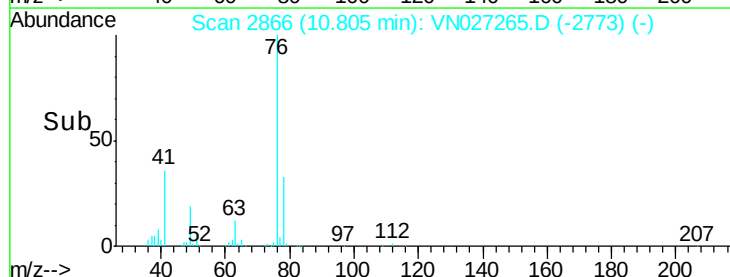
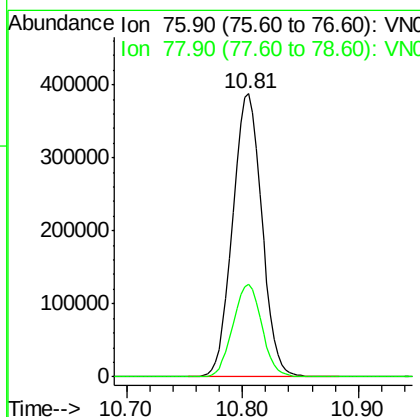
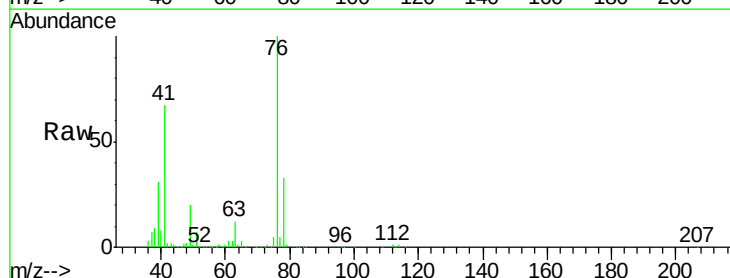
Manual Integrations
APPROVED

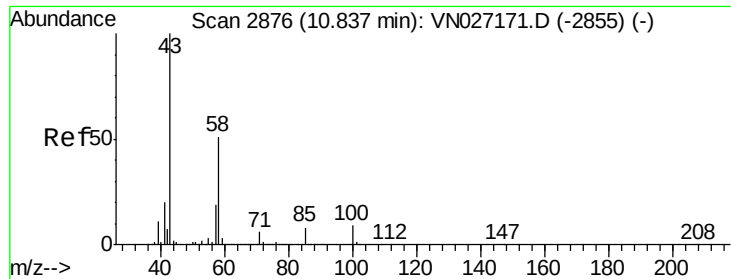
MMDadoda
9/18/2015 12:23:40 PM



#58
1,3-Dichloropropane
Concen: 48.33 ug/l
RT: 10.81 min Scan# 2866
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.0	37.6





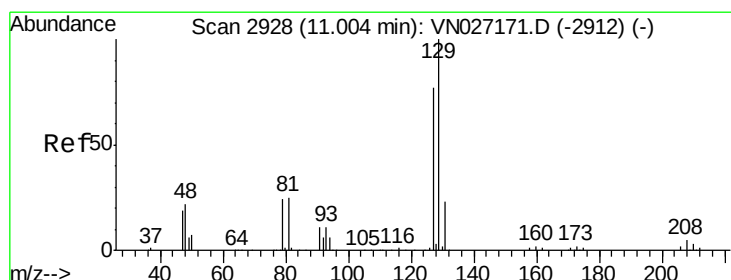
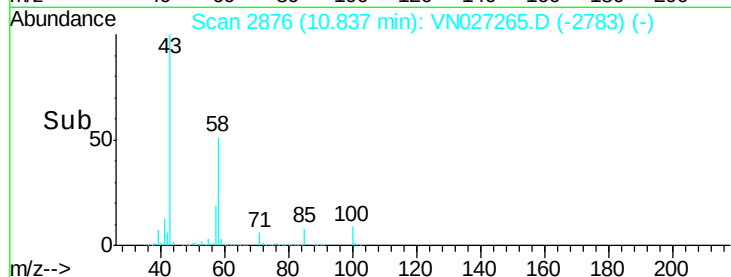
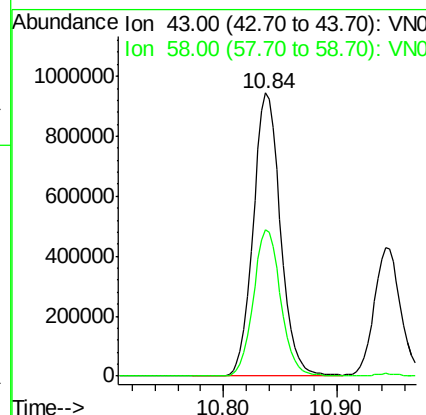
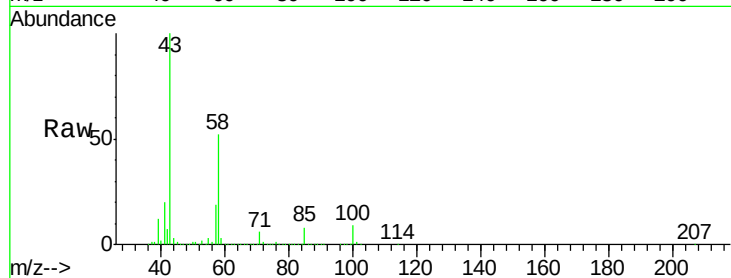
#60
2-Hexanone
Concen: 234.22 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion: 43 Resp: 1575905
Ion Ratio Lower Upper
43 100
58 52.1 26.2 78.5

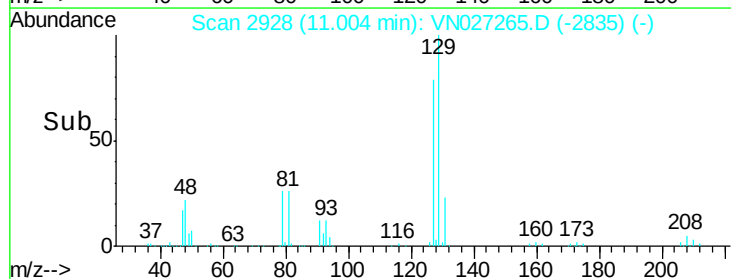
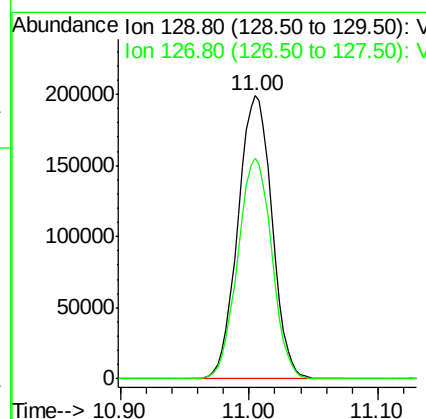
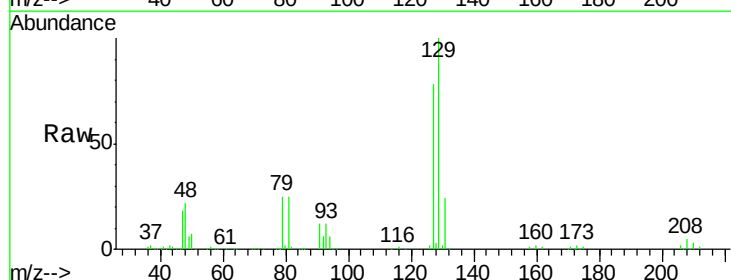
Manual Integrations
APPROVED

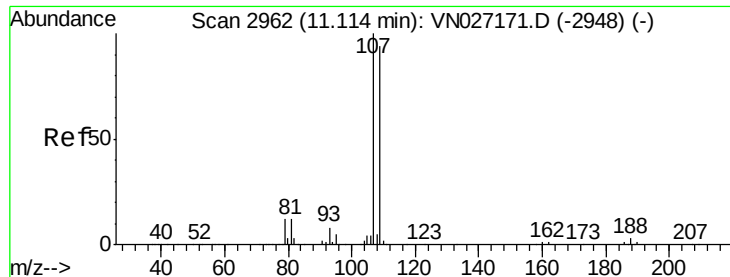
MMDadoda
9/18/2015 12:23:40 PM



#61
Dibromochloromethane
Concen: 47.63 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion: 129 Resp: 365450
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2





#62

1,2-Dibromoethane

Concen: 48.27 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 107 Resp: 356368

Ion Ratio Lower Upper

107 100

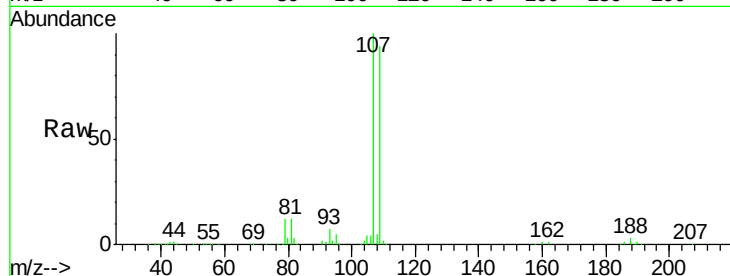
109 94.8 75.6 113.4

Manual Integrations

APPROVED

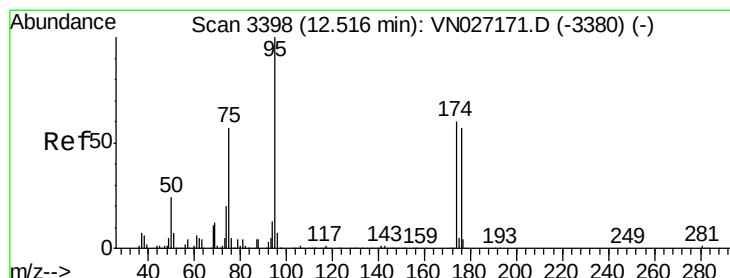
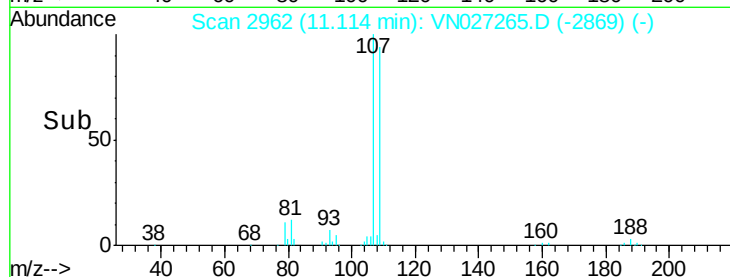
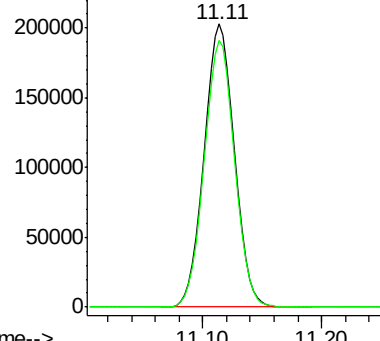
MMDadoda

9/18/2015 12:23:40 PM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#63

4-Bromofluorobenzene

Concen: 47.38 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

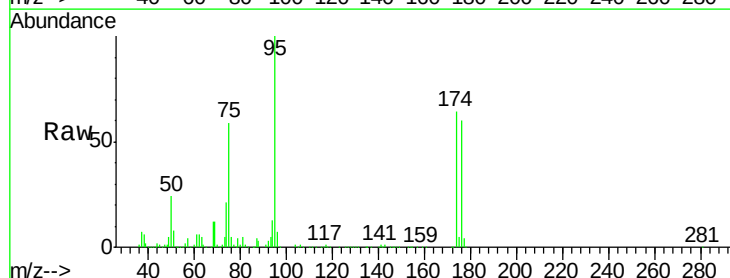
Tgt Ion: 95 Resp: 456107

Ion Ratio Lower Upper

95 100

174 63.0 0.0 137.0

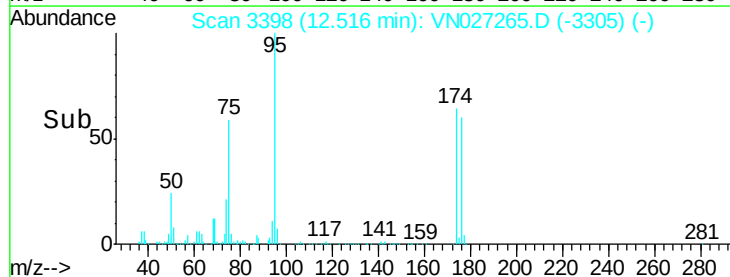
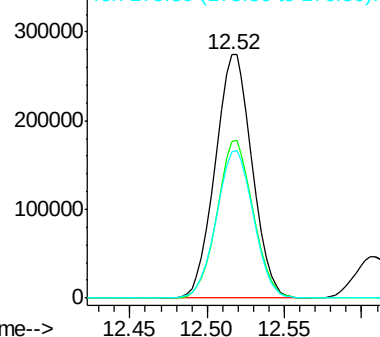
176 60.9 0.0 130.8

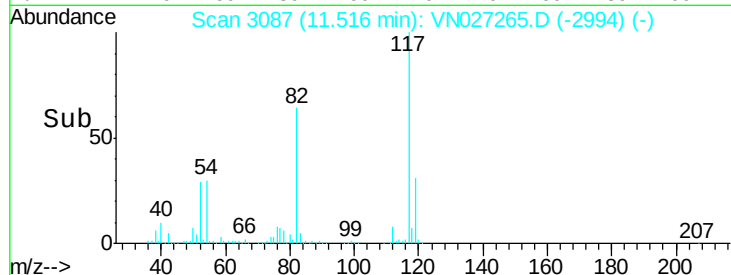
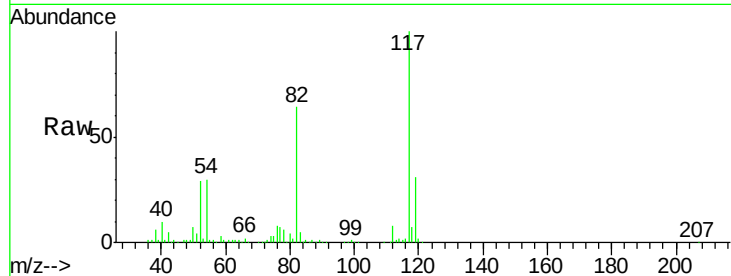
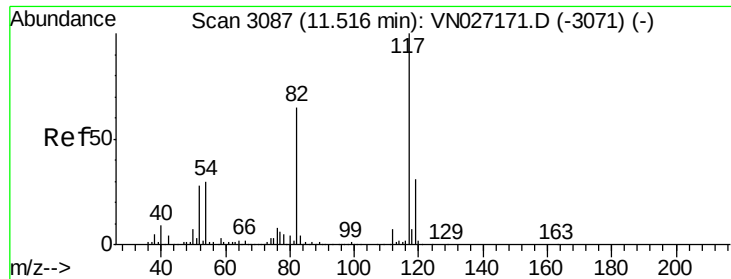


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





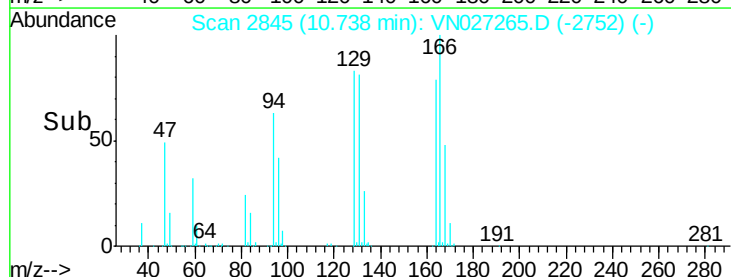
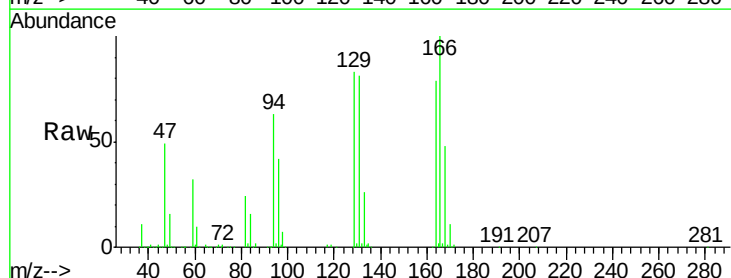
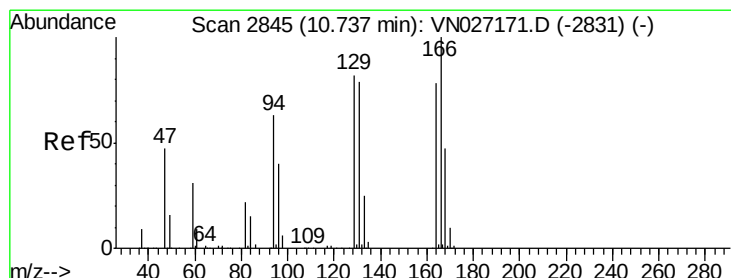
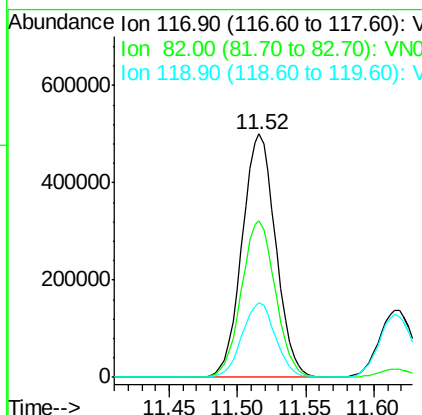
#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	855976		
82	64.1	49.6	74.4	
119	30.5	24.6	36.8	

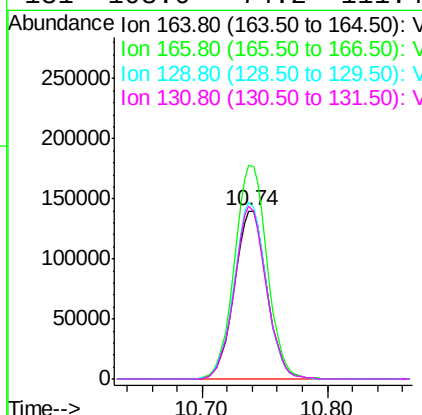
Manual Integrations
APPROVED

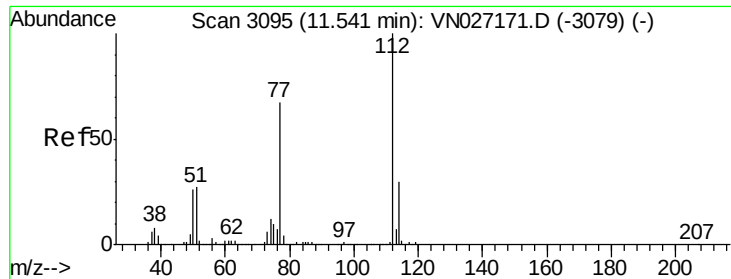
MMDadoda
9/18/2015 12:23:40 PM



#65
Tetrachloroethene
Concen: 45.92 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	251355		
166	127.2	103.4	155.0	
129	105.0	77.5	116.3	
131	103.0	74.2	111.4	





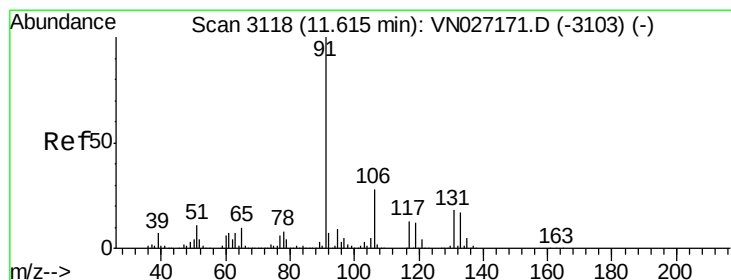
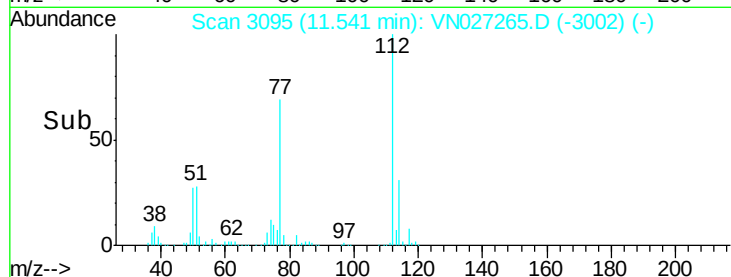
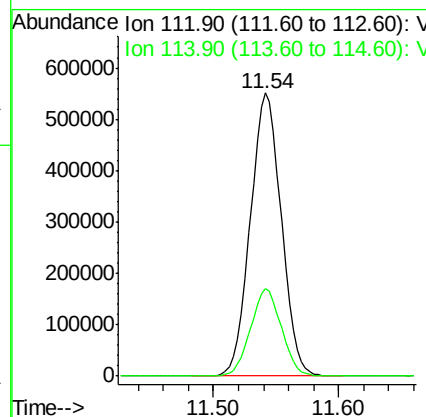
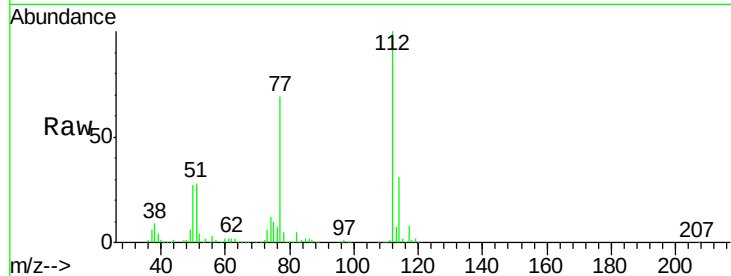
#66
Chlorobenzene
Concen: 46.84 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.7	24.9	37.3

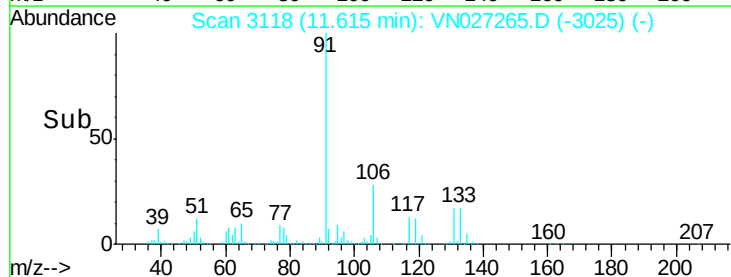
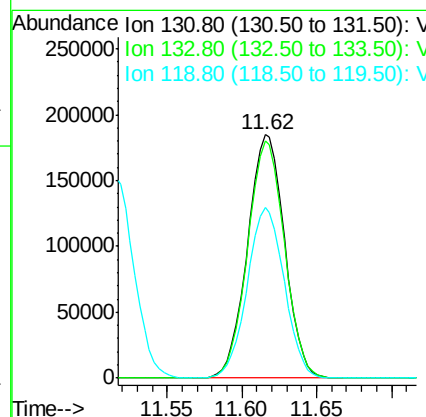
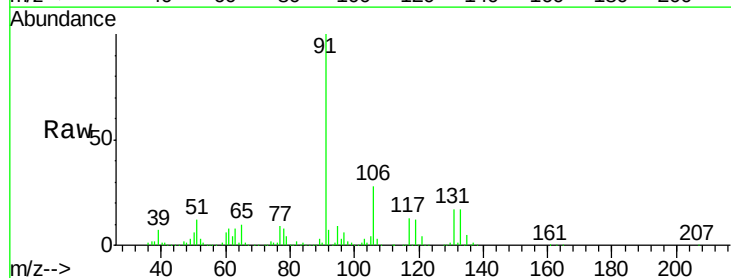
Manual Integrations
APPROVED

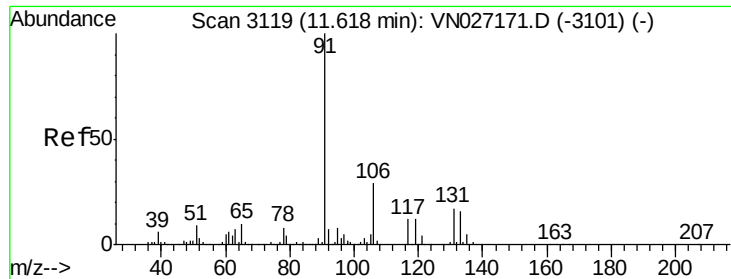
MMDadoda
9/18/2015 12:23:40 PM



#67
1,1,1,2-Tetrachloroethane
Concen: 46.32 ug/l
RT: 11.62 min Scan# 3118
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.0	141.2
119	70.1	35.1	105.5





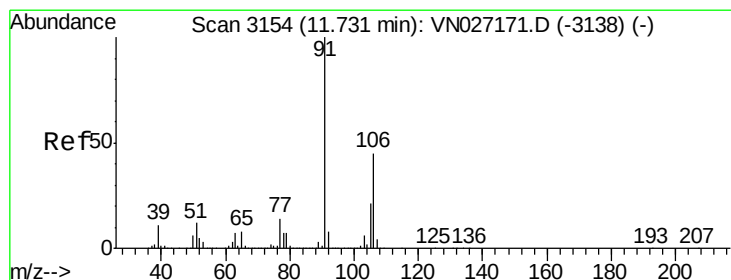
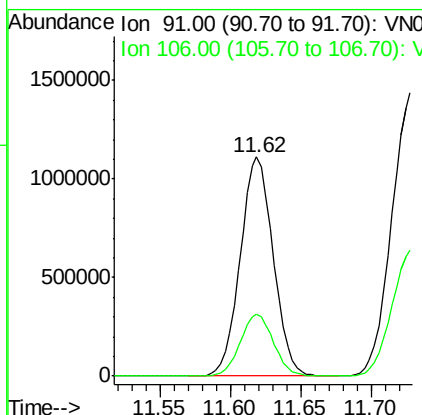
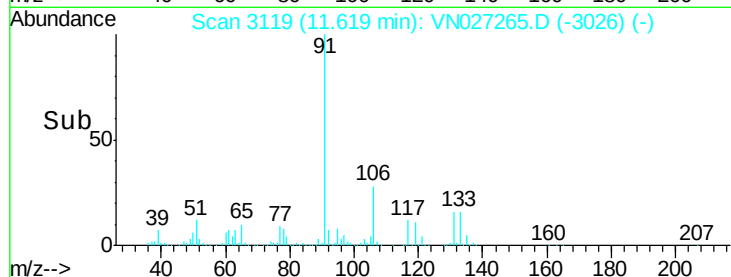
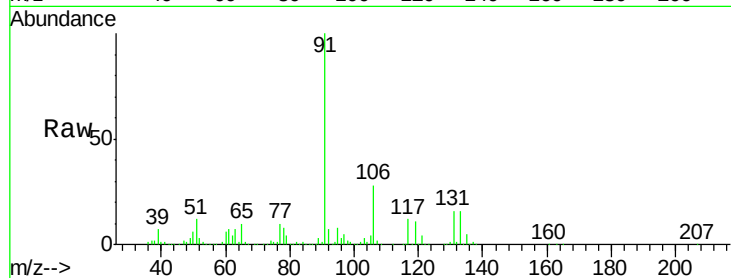
#68
Ethyl Benzene
Concen: 47.54 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion: 91 Resp: 1821772
Ion Ratio Lower Upper
91 100
106 28.4 23.1 34.7

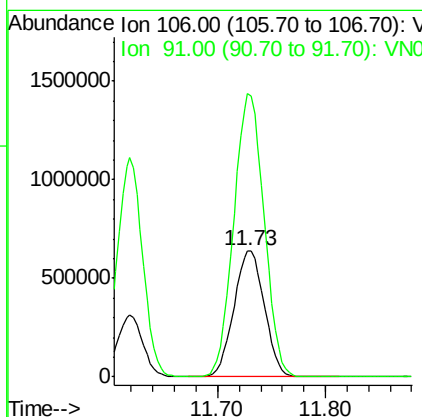
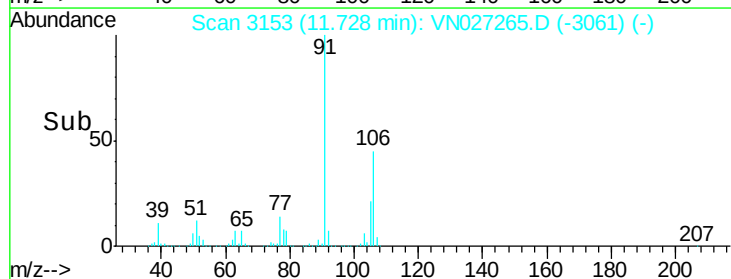
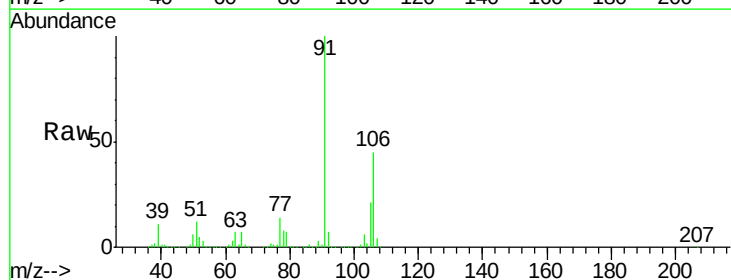
Manual Integrations
APPROVED

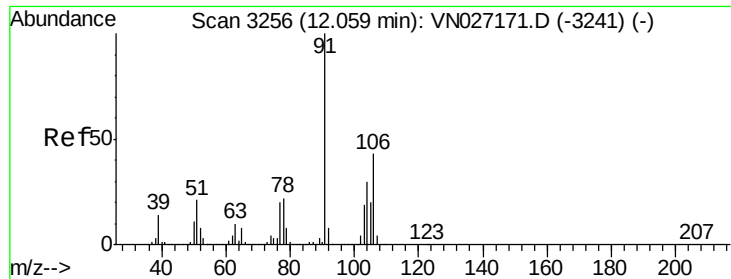
MMDadoda
9/18/2015 12:23:40 PM



#69
m/p-Xylenes
Concen: 95.09 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion: 106 Resp: 1257184
Ion Ratio Lower Upper
106 100
91 223.6 167.1 250.7





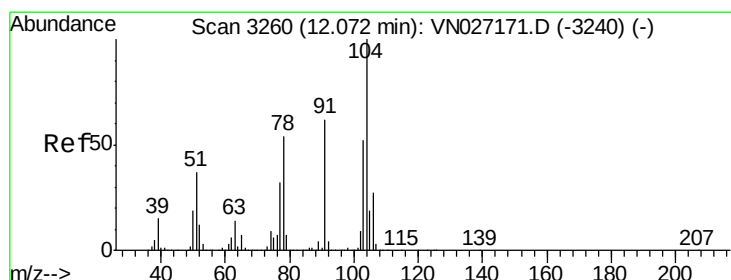
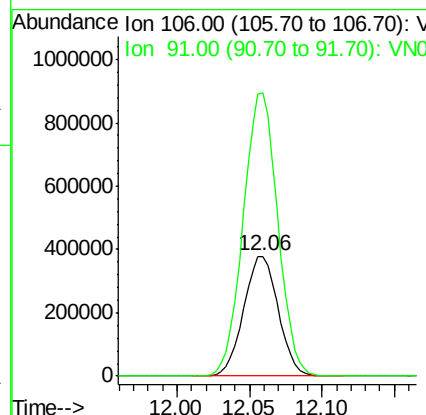
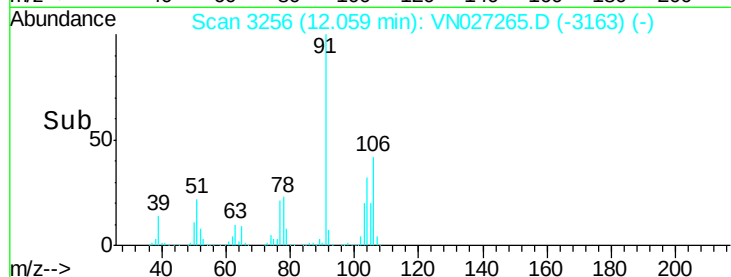
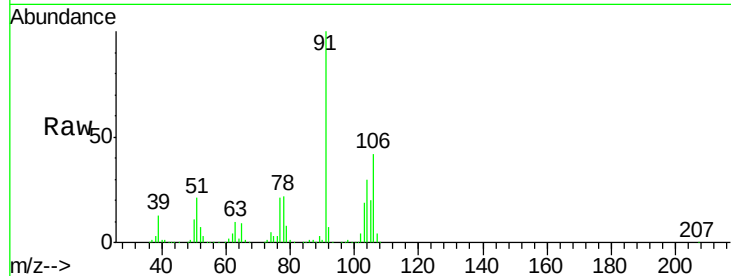
#70
o-Xylene
Concen: 47.48 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		629270		
91	235.5	110.7	331.9		

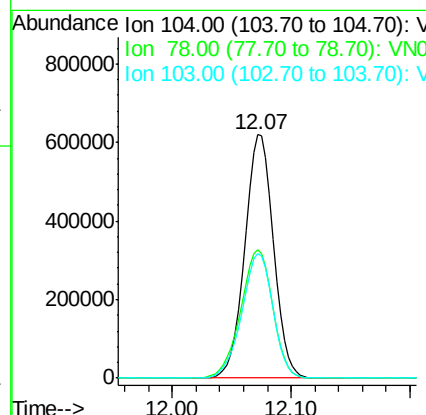
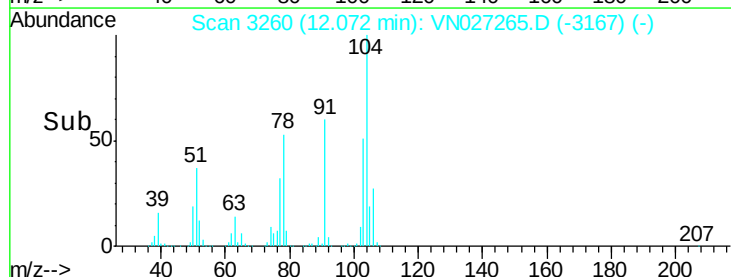
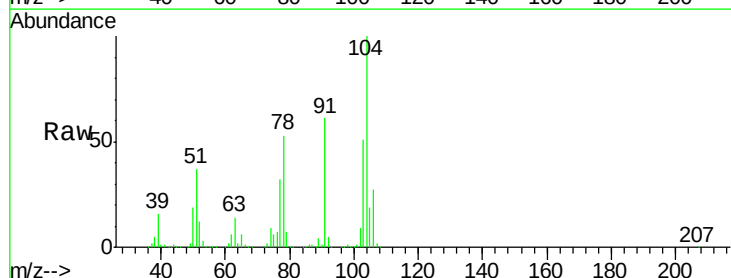
Manual Integrations
APPROVED

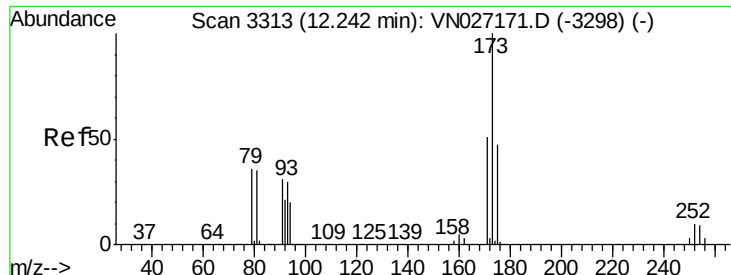
MMDadoda
9/18/2015 12:23:40 PM



#71
Styrene
Concen: 48.41 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	58.9	41.6	62.4	
103	55.4	44.2	66.2	





#72

Bromoform

Concen: 46.64 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:173 Resp: 223578

Ion Ratio Lower Upper

173 100

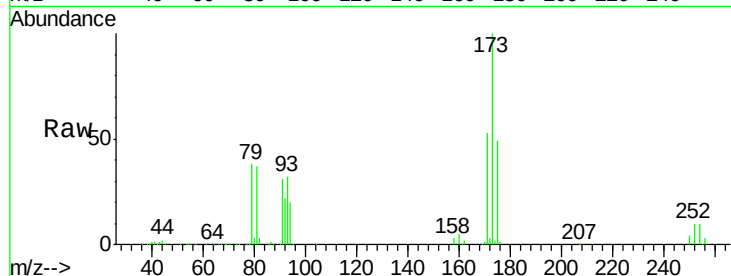
175 48.5 24.4 73.4

254 0.1 0.1 0.1#

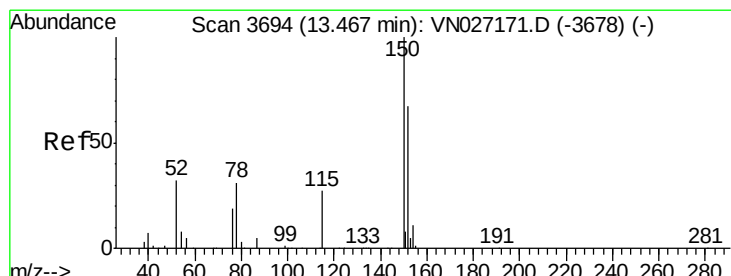
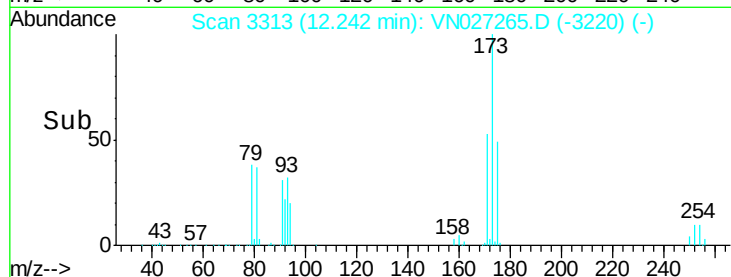
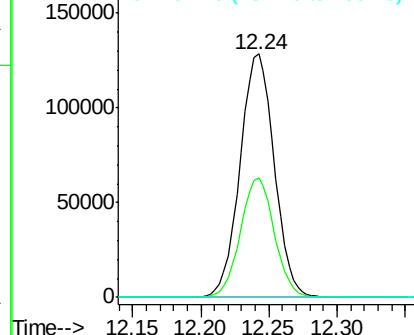
Manual Integrations
APPROVED

MMDadoda

9/18/2015 12:23:40 PM



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

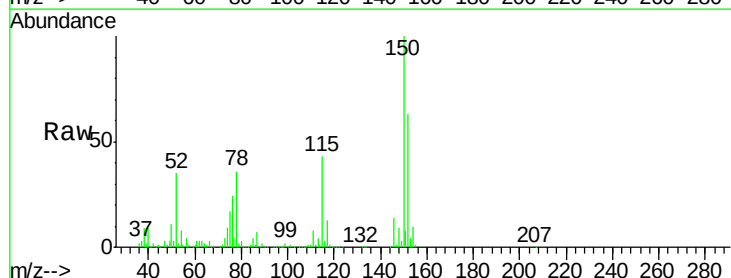
Tgt Ion:152 Resp: 331635

Ion Ratio Lower Upper

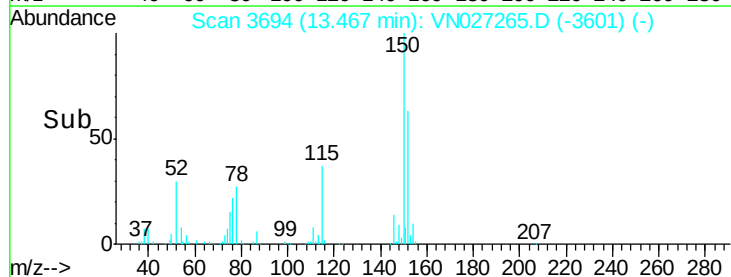
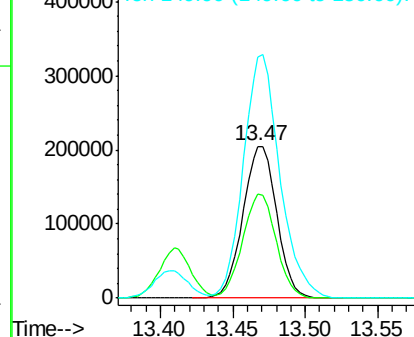
152 100

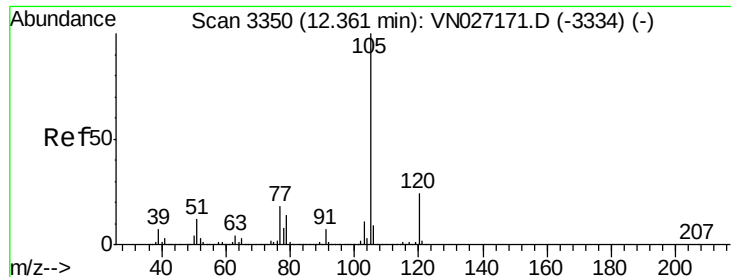
115 67.8 30.8 92.3

150 172.7 0.0 345.0



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





#74

Isopropylbenzene

Concen: 46.51 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:105 Resp: 1699637

Ion Ratio Lower Upper

105 100

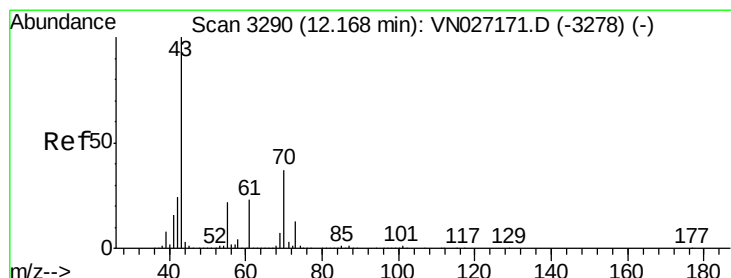
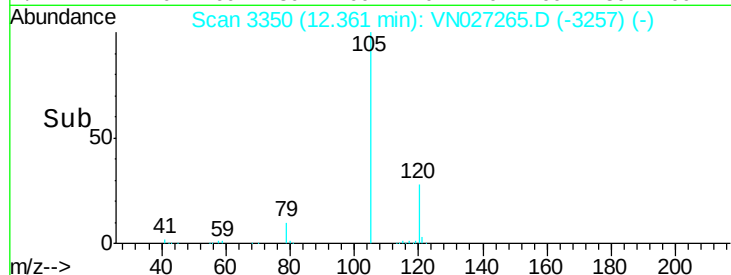
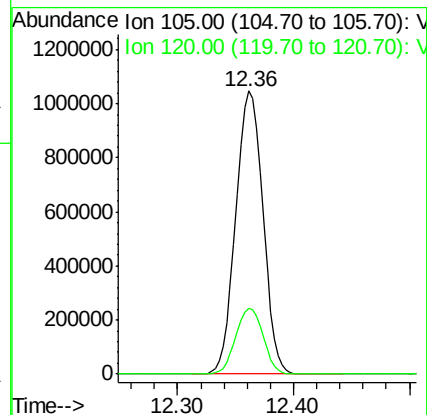
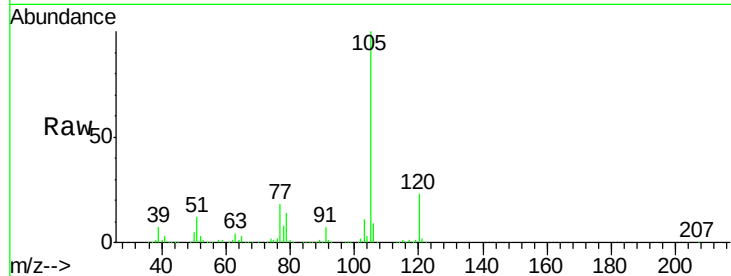
120 23.4 12.4 37.2

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#75

N-ethyl acetate

Concen: 45.50 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tgt Ion: 43 Resp: 742029

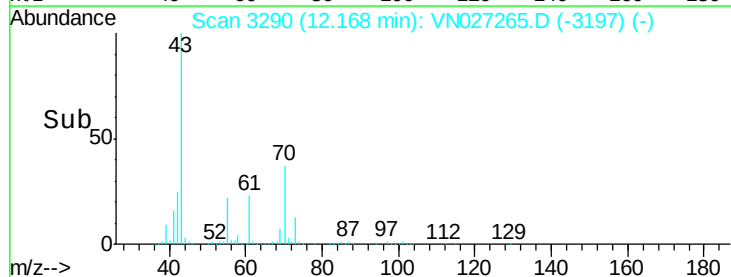
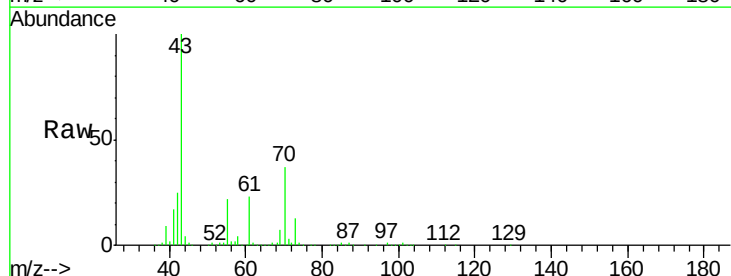
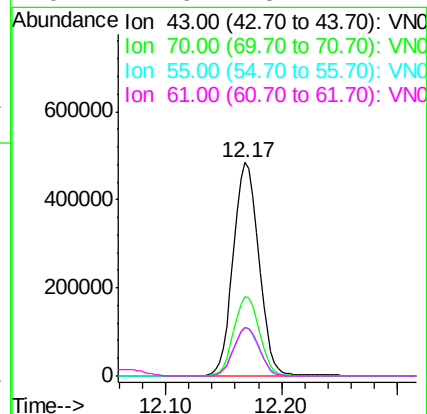
Ion Ratio Lower Upper

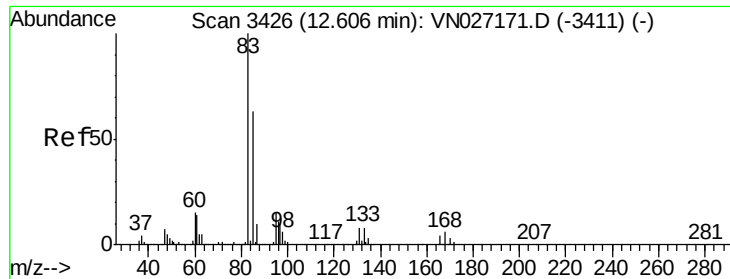
43 100

70 37.4 29.8 44.8

55 22.7 19.4 29.0

61 22.6 18.2 27.2





#76

1,1,2,2-Tetrachloroethane

Concen: 51.77 ug/l

RT: 12.61 min Scan# 3427

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

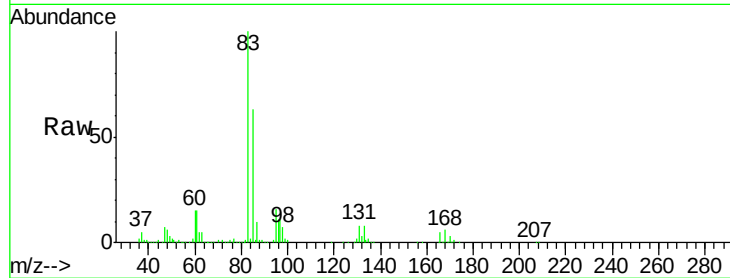
ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:	83	Resp:	487229
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.1	12.3
85	64.7	31.9	95.7

Manual Integrations
APPROVED

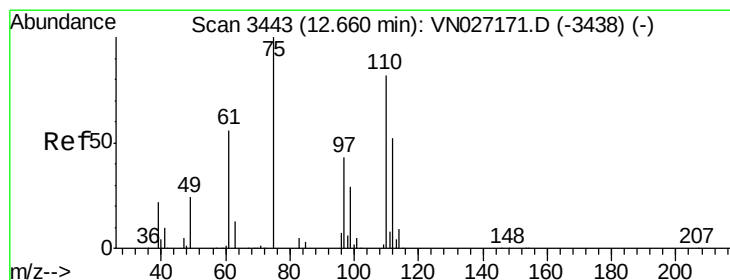
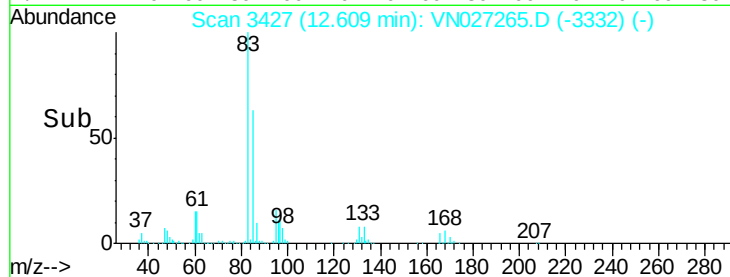
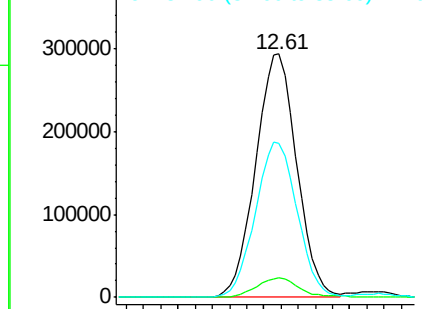
MMDadoda
9/18/2015 12:23:40 PM



Abundance Ion 82.90 (82.60 to 83.60): VN027171.D (-3411) (-)

Ion 130.80 (130.50 to 131.50): VN027171.D (-3411) (-)

Ion 84.90 (84.60 to 85.60): VN027171.D (-3411) (-)



#77

1,2,3-Trichloropropane

Concen: 45.60 ug/l m

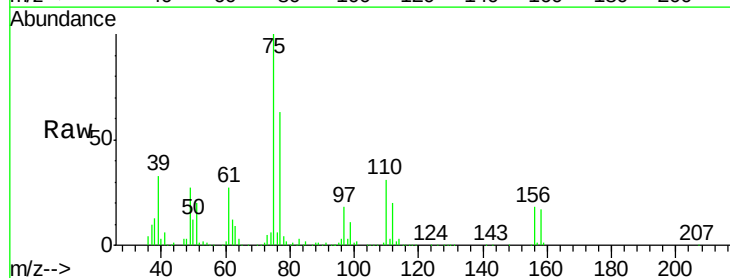
RT: 12.66 min Scan# 3444

Delta R.T. 0.00 min

Lab File: VN027265.D

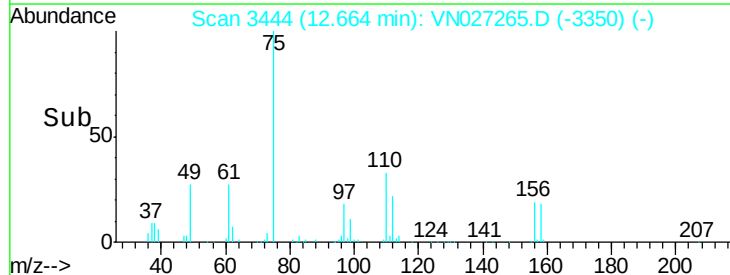
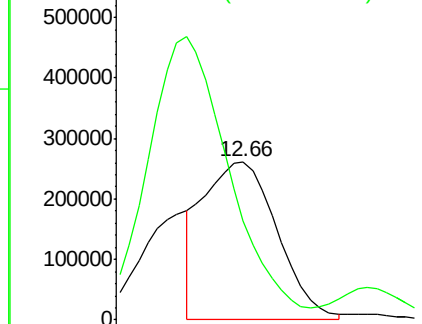
Acq: 17 Sep 2015 19:49

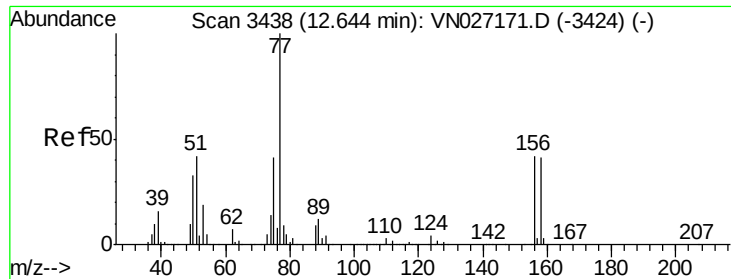
Tgt Ion:	75	Resp:	456992
Ion Ratio	Lower	Upper	
75	100		
77	197.1	103.1	309.3



Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3438) (-)

Ion 77.00 (76.70 to 77.70): VN027171.D (-3438) (-)





#78

Bromobenzene

Concen: 46.61 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

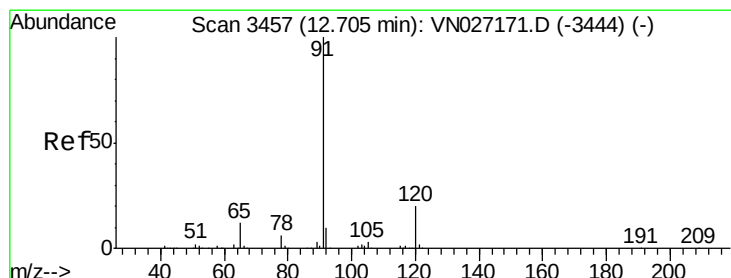
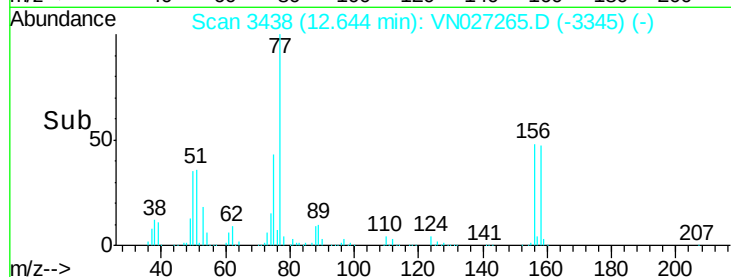
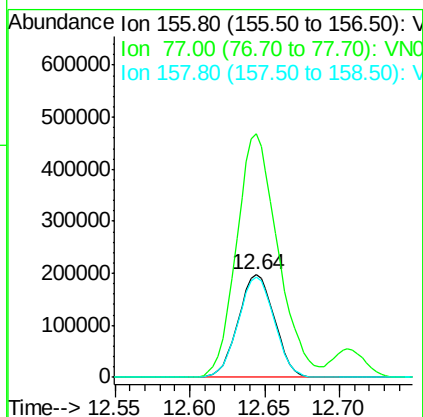
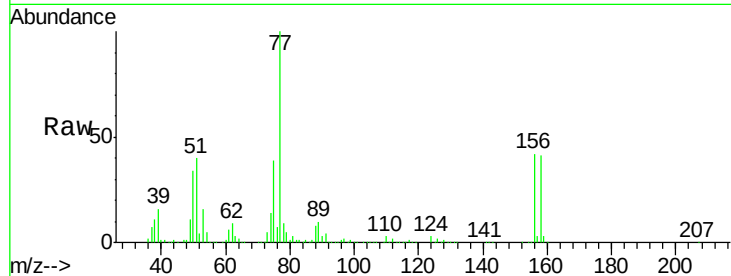
ClientSampleId :

MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	269.6	127.3	381.9
158	96.9	48.0	144.2

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM



#79

n-propylbenzene

Concen: 46.79 ug/l

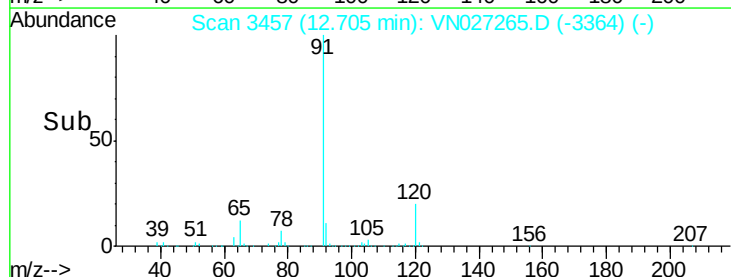
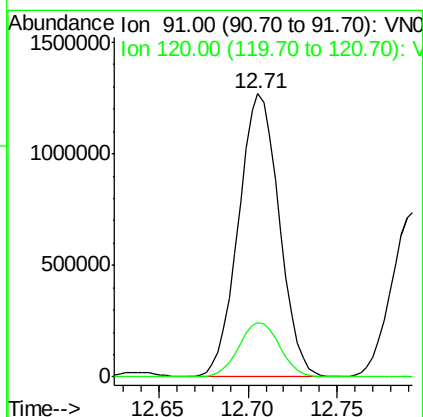
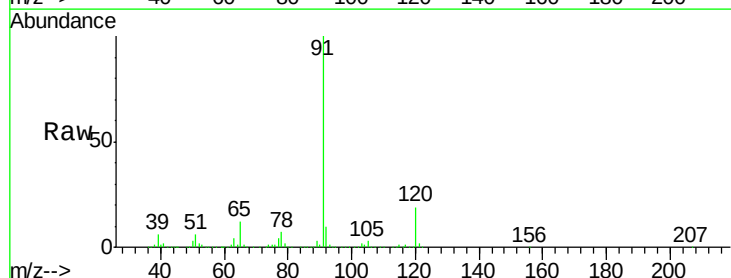
RT: 12.71 min Scan# 3457

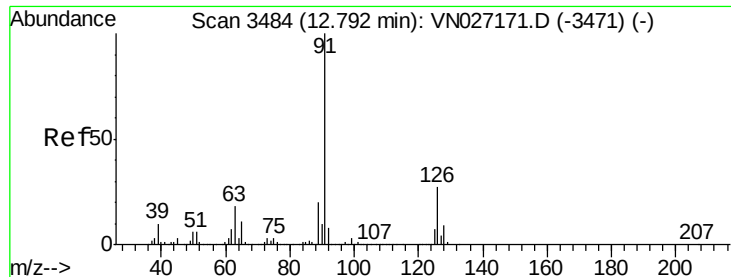
Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.4	10.3	30.8





#80

2-Chlorotoluene

Concen: 46.73 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion: 91 Resp: 1206535

Ion Ratio Lower Upper

91 100

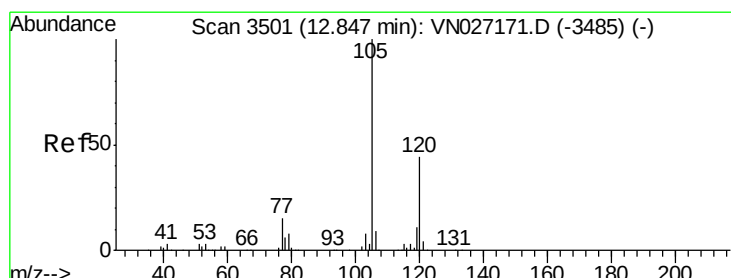
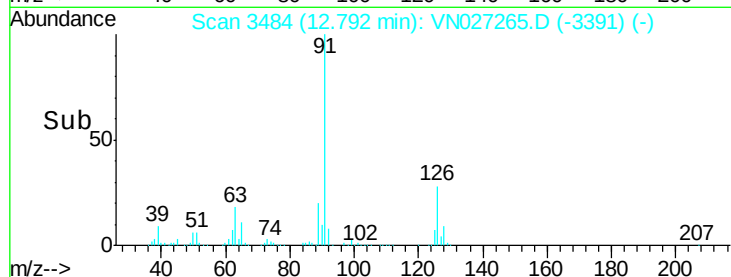
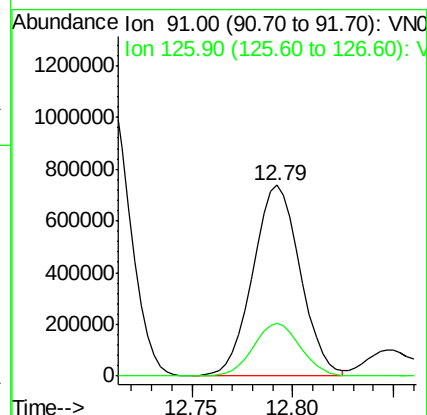
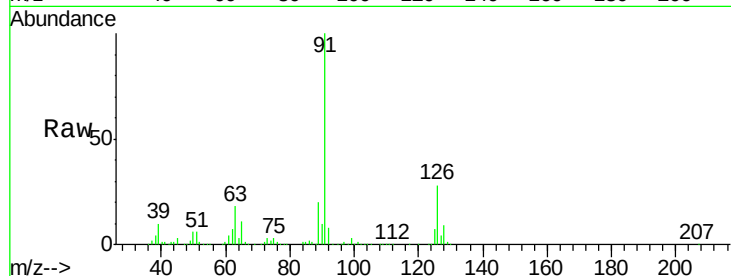
126 27.8 15.2 45.5

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#81

1,3,5-Trimethylbenzene

Concen: 46.39 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027265.D

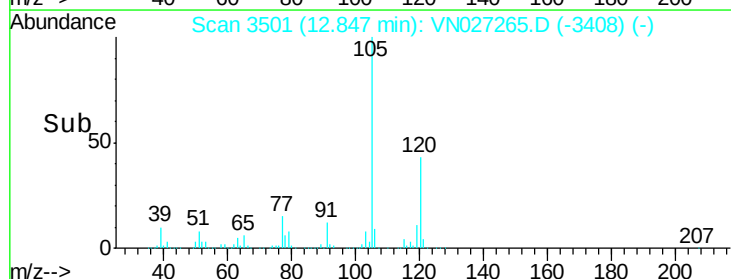
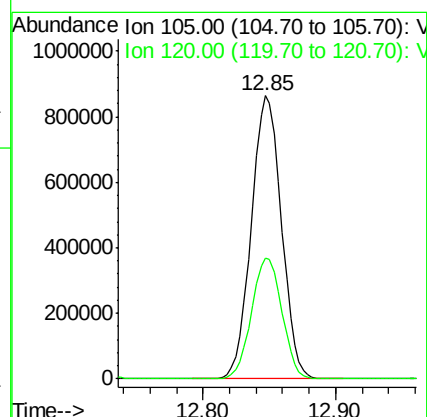
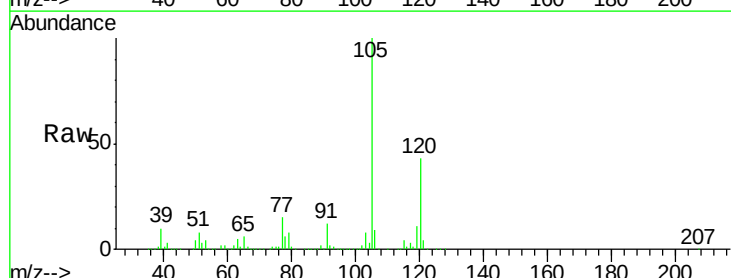
Acq: 17 Sep 2015 19:49

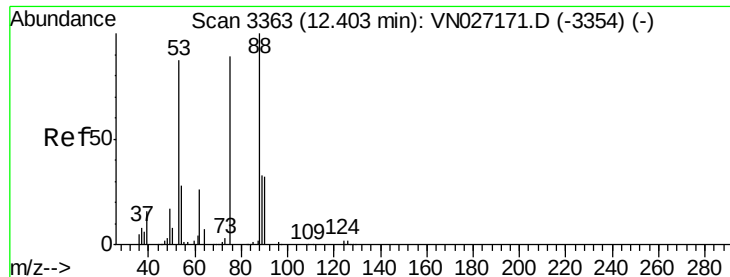
Tgt Ion: 105 Resp: 1361979

Ion Ratio Lower Upper

105 100

120 43.1 23.4 70.0





#82

trans-1,4-Dichloro-2-butene

Concen: 41.19 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

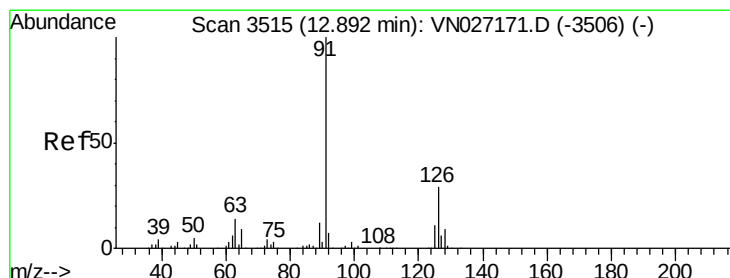
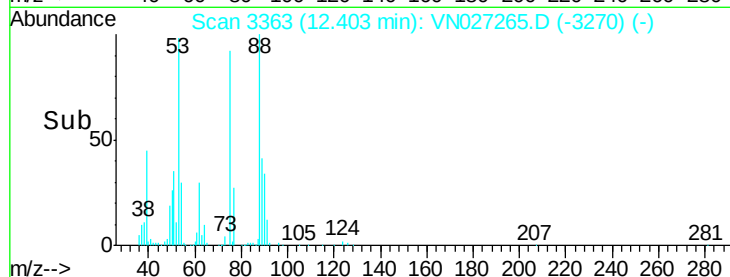
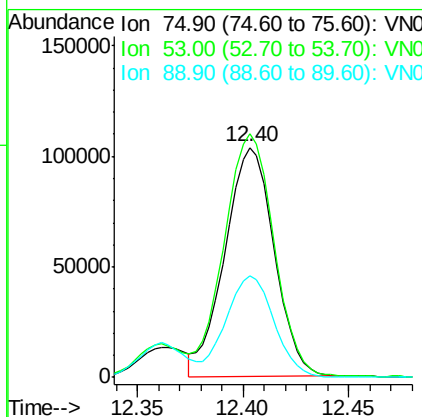
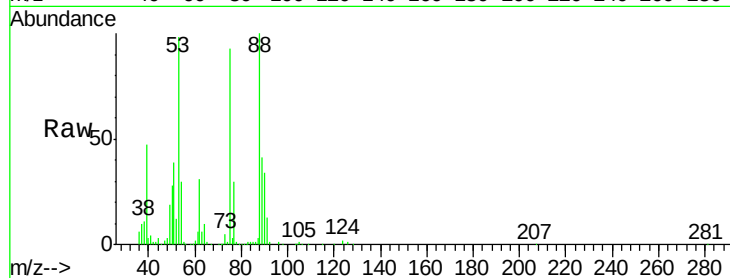
ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:	75	Resp:	168057
Ion	Ratio	Lower	Upper
75	100		
53	107.1	92.9	139.3
89	44.0	34.2	51.4

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM



#83

4-Chlorotoluene

Concen: 47.16 ug/l

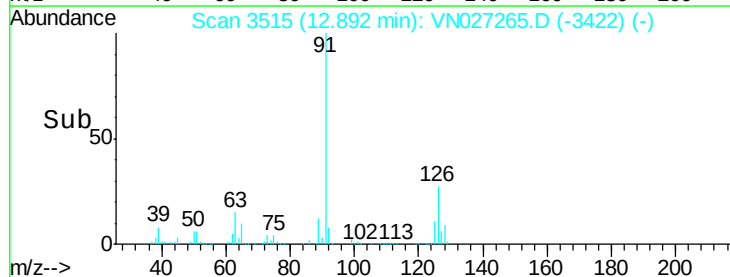
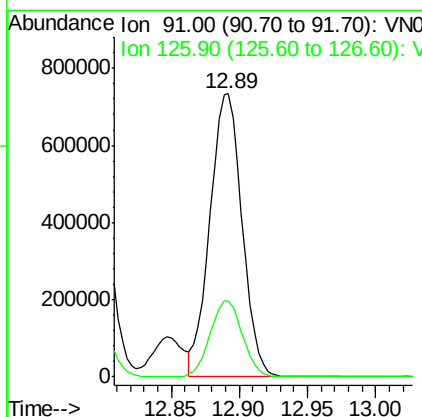
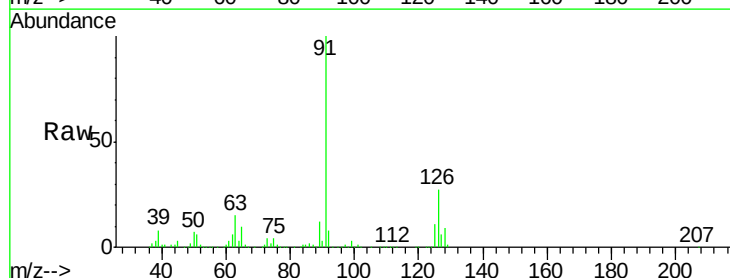
RT: 12.89 min Scan# 3515

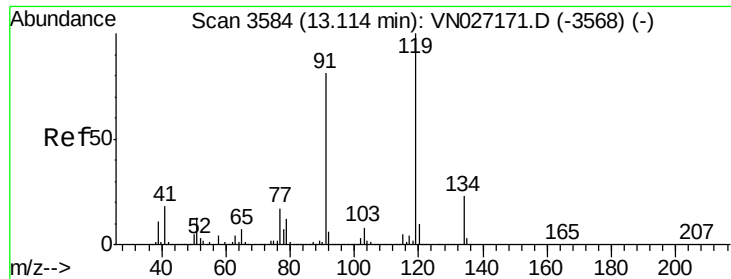
Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tgt Ion:	91	Resp:	1196183
Ion	Ratio	Lower	Upper
91	100		
126	27.2	14.9	44.5





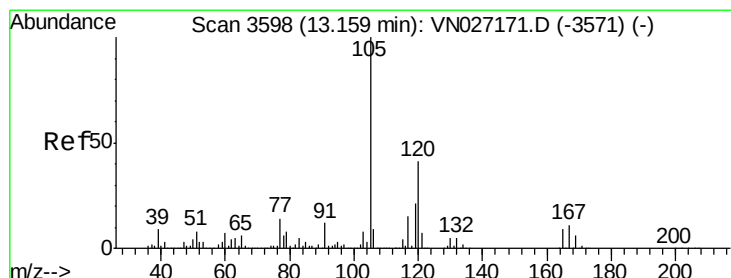
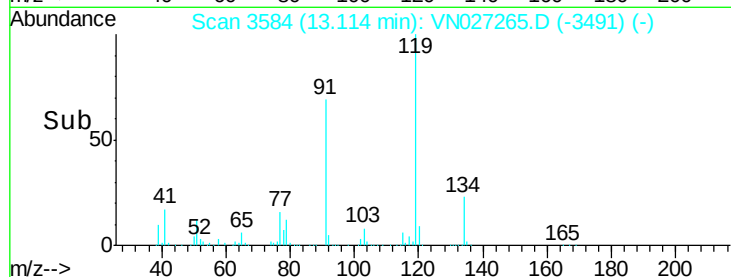
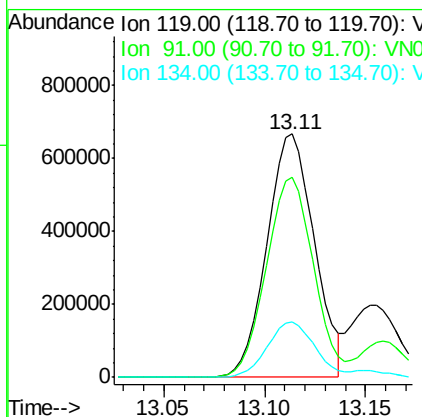
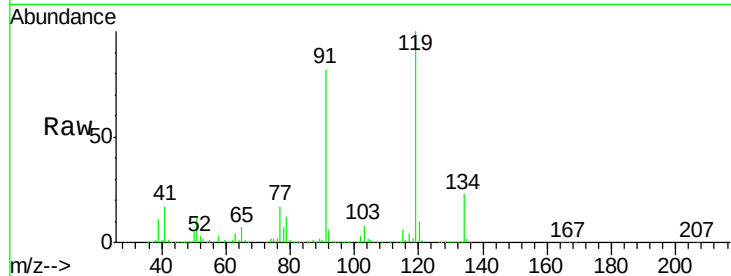
#84
 tert-Butylbenzene
 Concen: 44.92 ug/l
 RT: 13.11 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion:119 Resp: 1088153
 Ion Ratio Lower Upper
 119 100
 91 81.5 34.6 103.8
 134 22.7 11.4 34.2

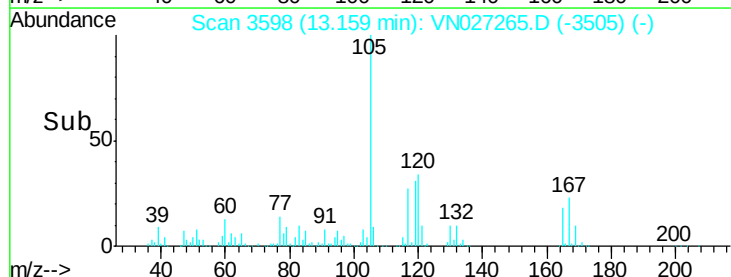
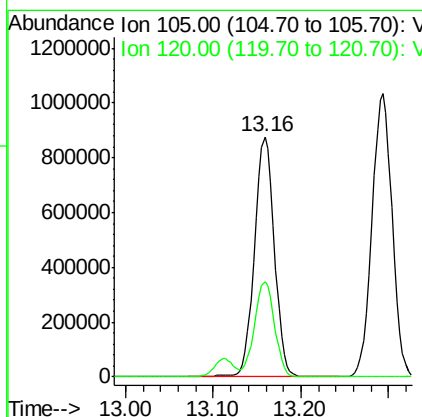
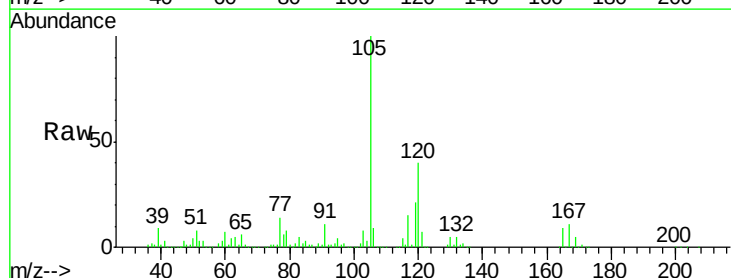
Manual Integrations
 APPROVED

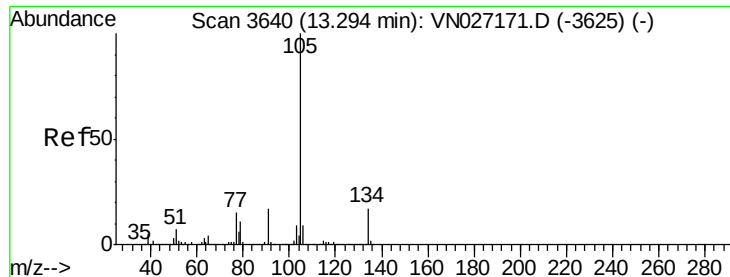
MMDadoda
 9/18/2015 12:23:40 PM



#85
 1,2,4-Trimethylbenzene
 Concen: 46.92 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion:105 Resp: 1383716
 Ion Ratio Lower Upper
 105 100
 120 40.0 21.9 65.5





#86

sec-Butylbenzene

Concen: 46.22 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:105 Resp: 1640330

Ion Ratio Lower Upper

105 100

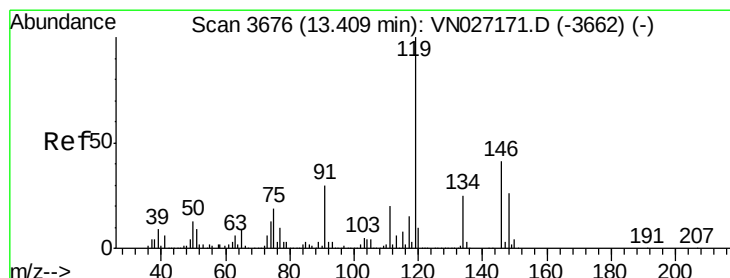
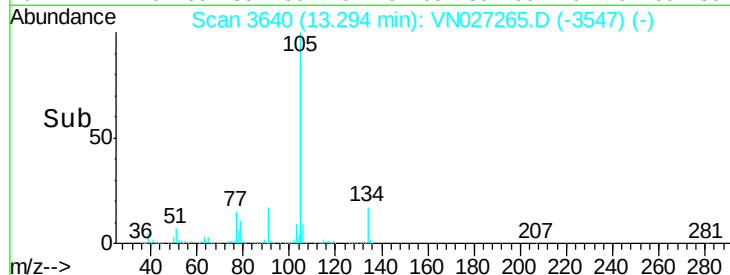
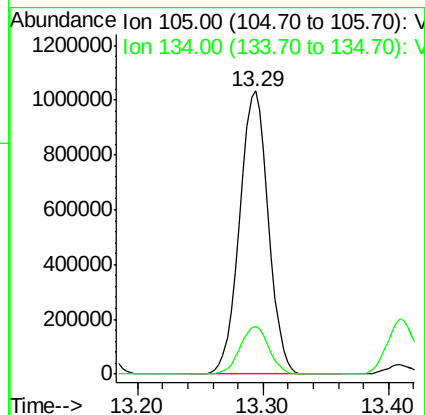
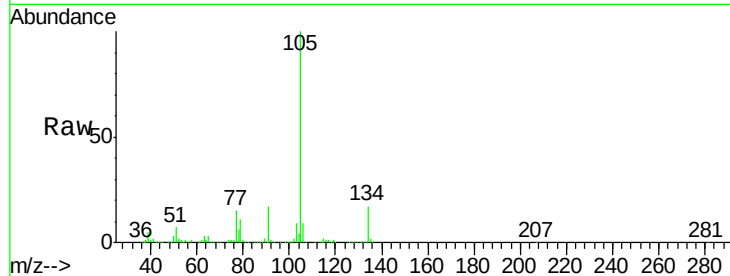
134 17.1 8.8 26.4

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:23:40 PM



#87

p-Isopropyltoluene

Concen: 45.84 ug/l

RT: 13.41 min Scan# 3676

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

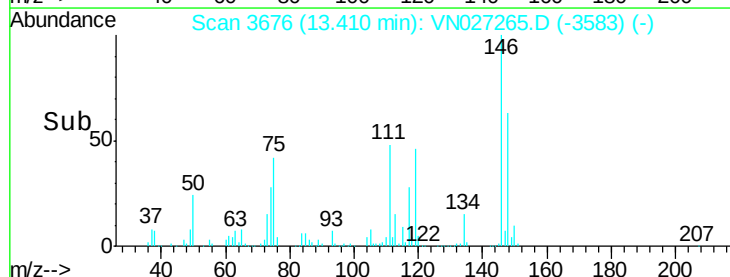
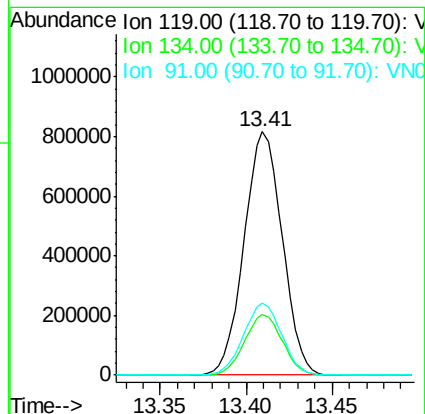
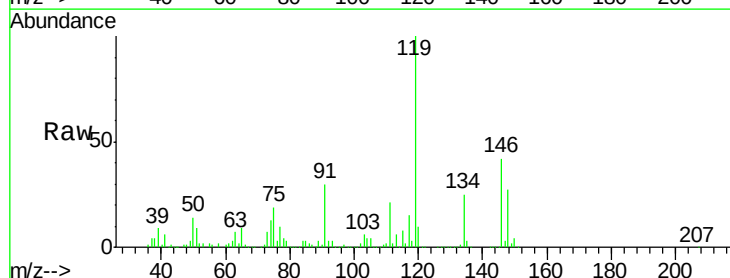
Tgt Ion:119 Resp: 1253004

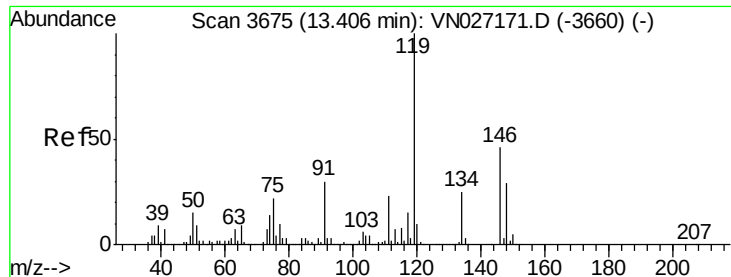
Ion Ratio Lower Upper

119 100

134 24.7 12.4 37.0

91 29.5 12.0 36.1





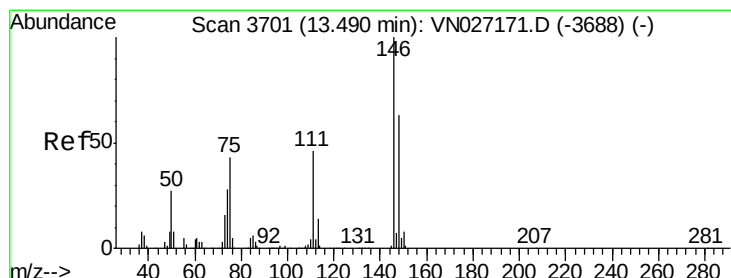
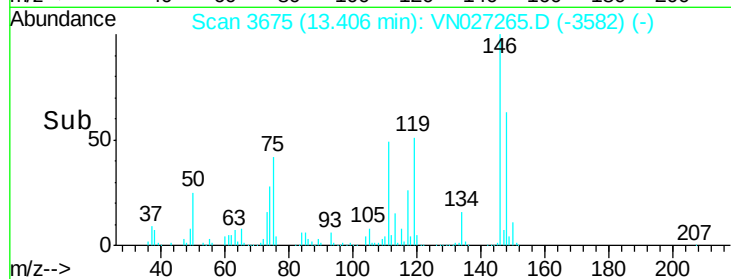
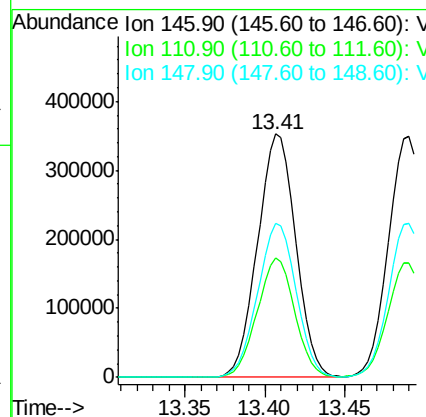
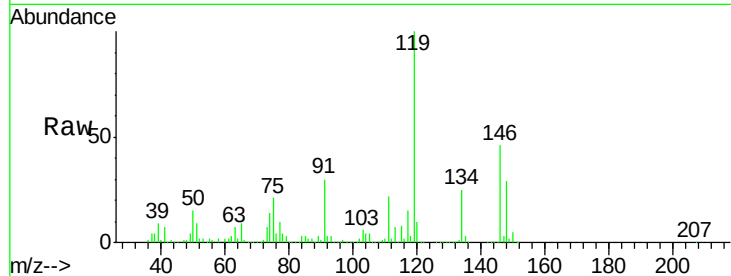
#88
 1,3-Dichlorobenzene
 Concen: 47.25 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	21.0	63.0
148	63.6	31.9	95.9

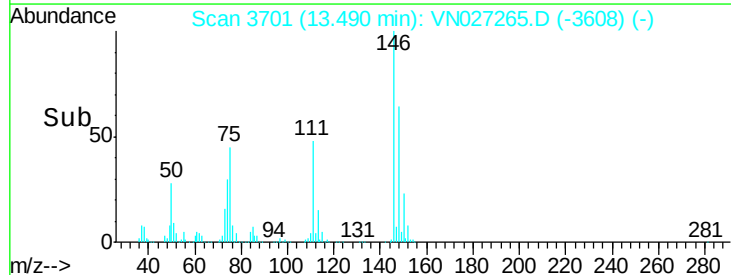
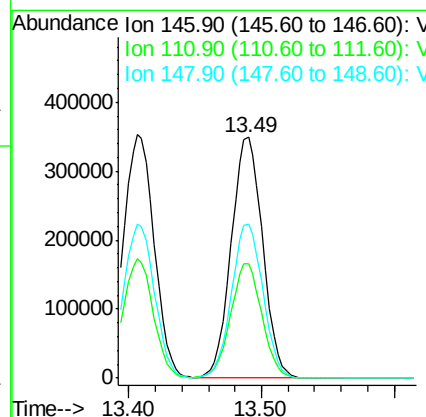
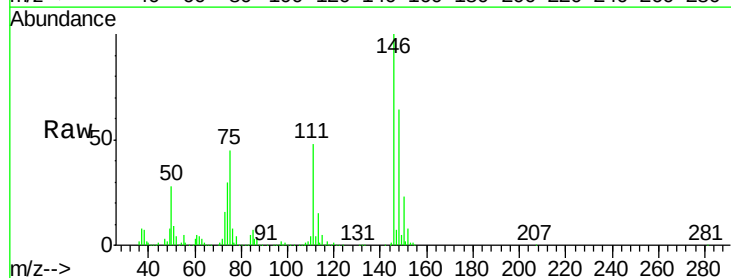
Manual Integrations
 APPROVED

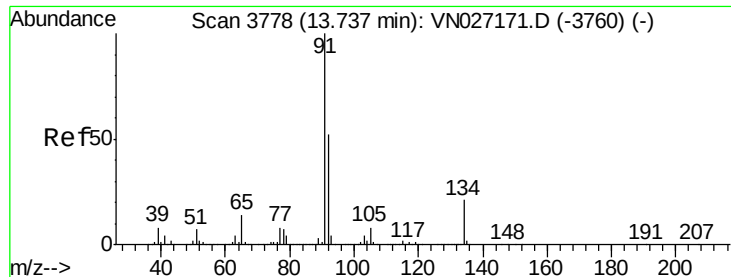
MMDadoda
 9/18/2015 12:23:40 PM



#89
 1,4-Dichlorobenzene
 Concen: 46.16 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	19.9	59.6
148	63.9	31.7	95.1





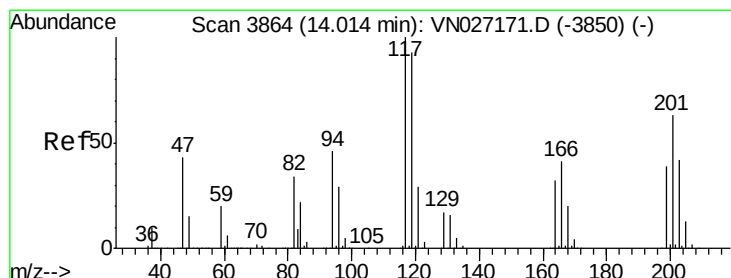
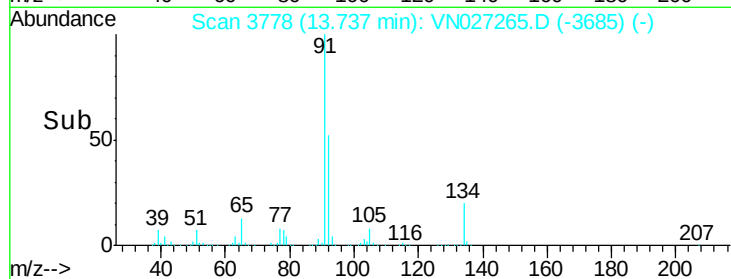
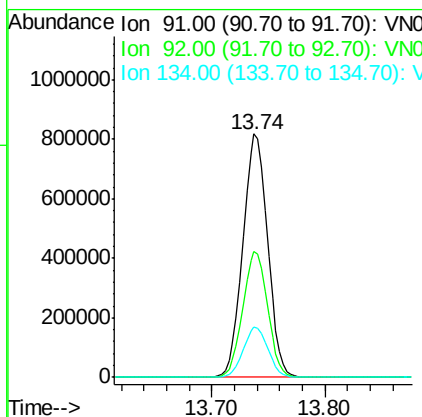
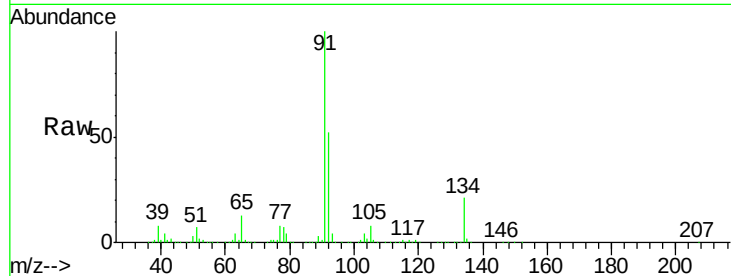
#90
n-Butylbenzene
Concen: 47.08 ug/l
RT: 13.74 min Scan# 3778
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion: 91 Resp: 1248605
Ion Ratio Lower Upper
91 100
92 51.7 26.1 78.2
134 20.5 11.1 33.1

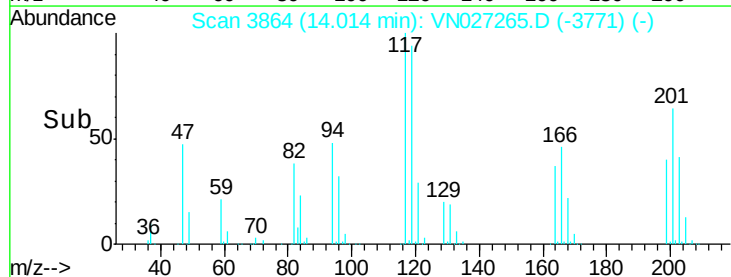
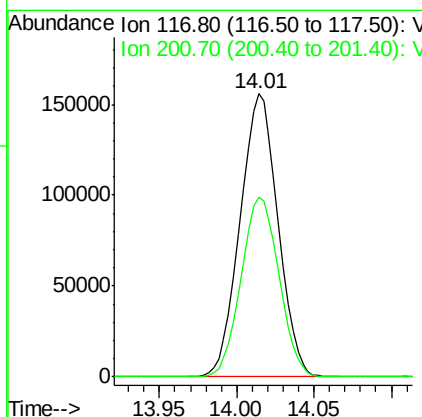
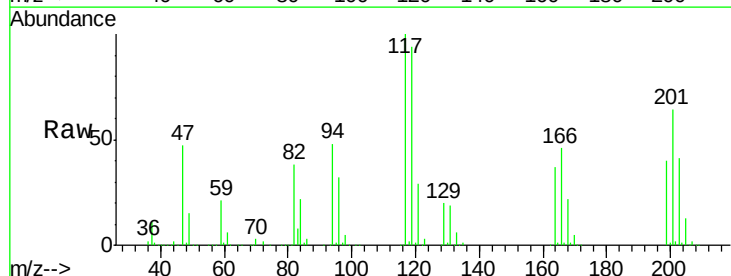
Manual Integrations
APPROVED

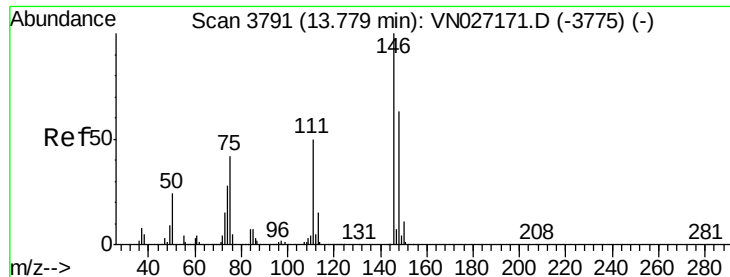
MMDadoda
9/18/2015 12:23:40 PM



#91
Hexachloroethane
Concen: 44.33 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion: 117 Resp: 265130
Ion Ratio Lower Upper
117 100
201 63.6 34.9 104.7





#92

1,2-Dichlorobenzene

Concen: 47.59 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Instrument :

MSVOA_N

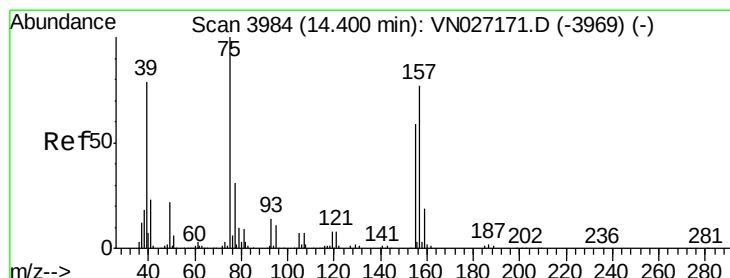
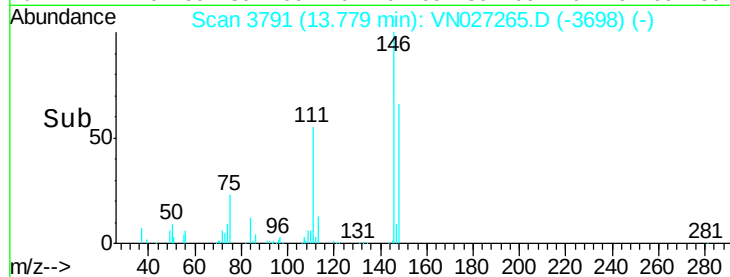
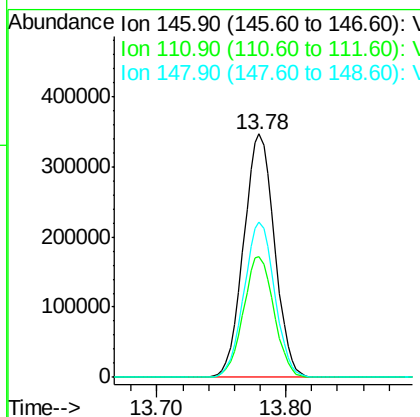
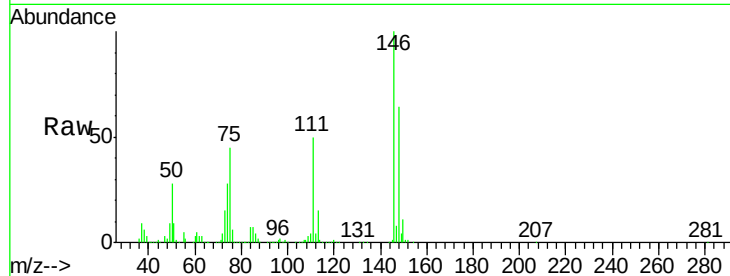
ClientSampleId :

MW-12-9-15-15MSD

Tot Ion:	146	Resp:	576789
Ion Ratio		Lower	Upper
146	100		
111	49.4	22.1	66.3
148	63.3	32.0	96.0

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM



#93

1,2-Dibromo-3-Chloropropane

Concen: 48.74 ug/l

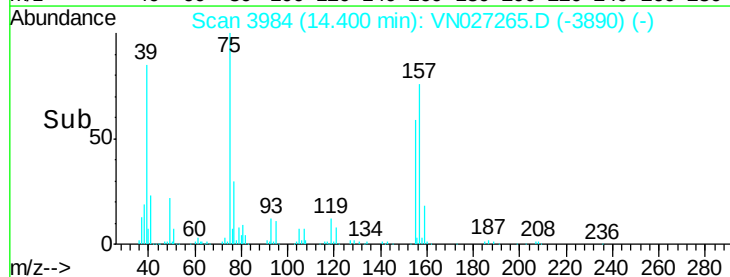
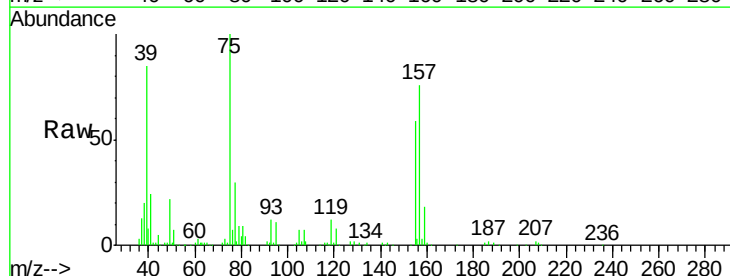
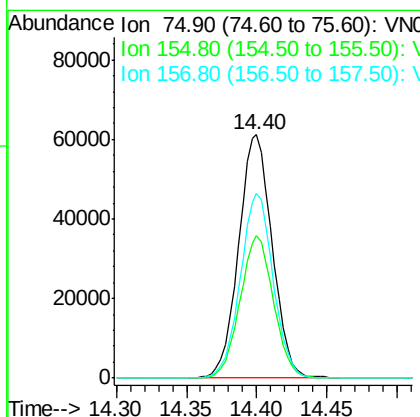
RT: 14.40 min Scan# 3984

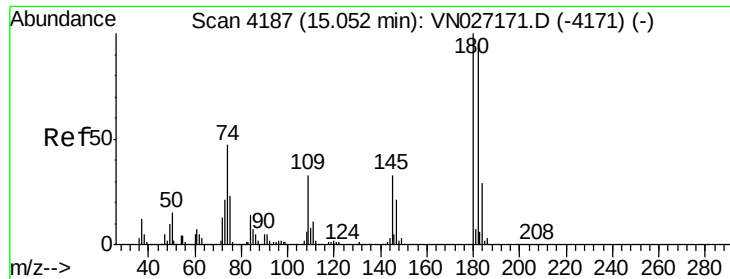
Delta R.T. 0.00 min

Lab File: VN027265.D

Acq: 17 Sep 2015 19:49

Tgt Ion:	75	Resp:	101804
Ion Ratio		Lower	Upper
75	100		
155	58.3	35.6	106.9
157	74.2	44.6	133.8





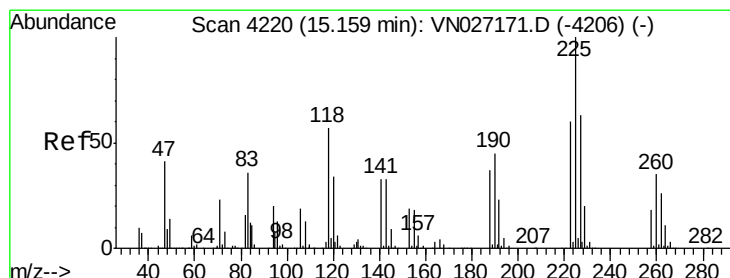
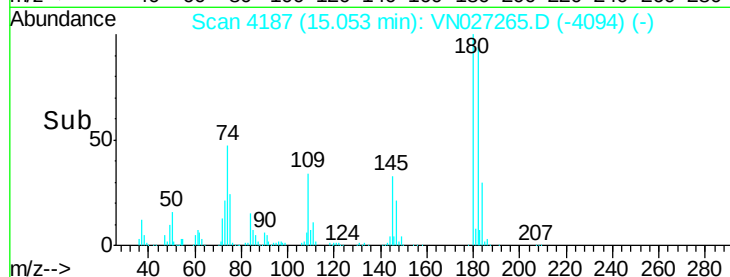
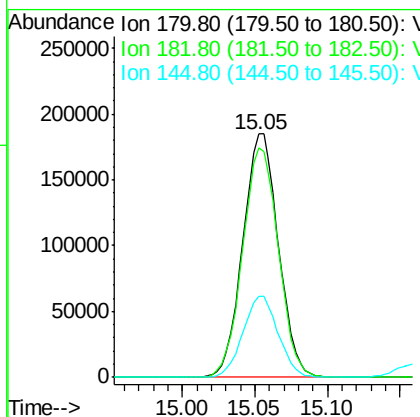
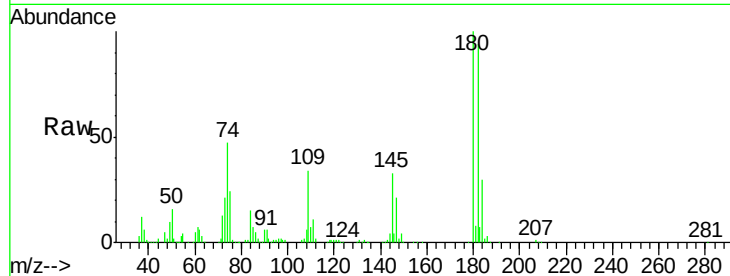
#94
 1,2,4-Trichlorobenzene
 Concen: 48.17 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-12-9-15-15MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.2	47.5	142.5	
145	33.1	15.1	45.3	

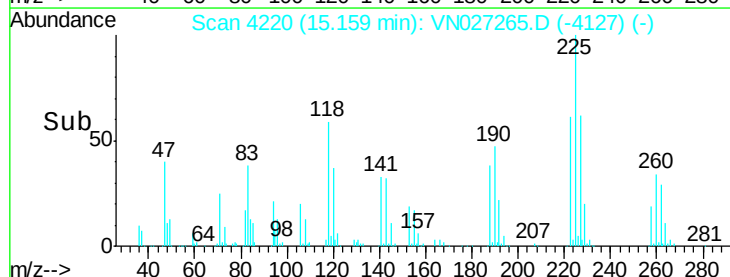
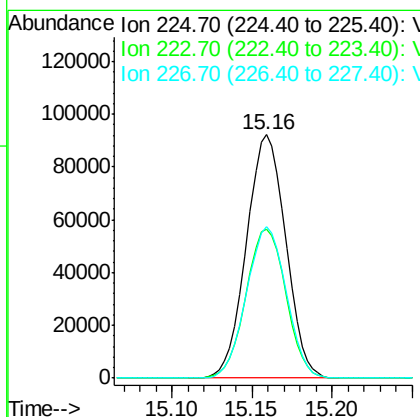
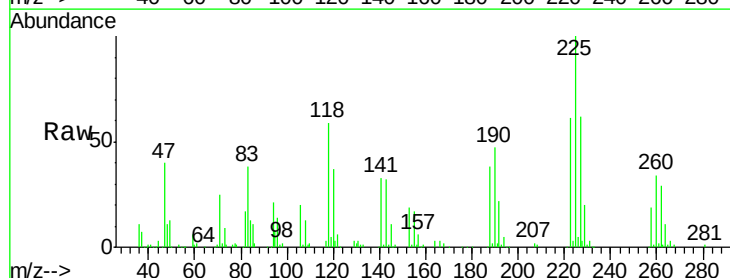
Manual Integrations
 APPROVED

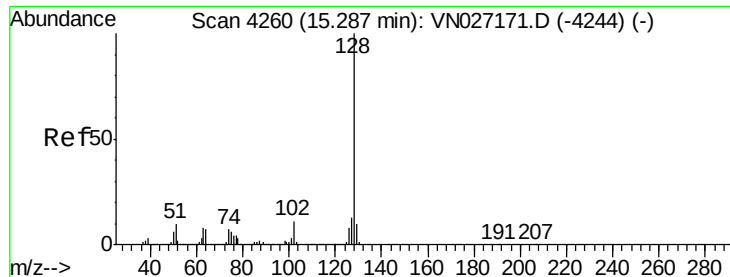
MMDadoda
 9/18/2015 12:23:40 PM



#95
 Hexachlorobutadiene
 Concen: 45.08 ug/l
 RT: 15.16 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: VN027265.D
 Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.1	30.8	92.3	
227	63.0	31.7	95.1	





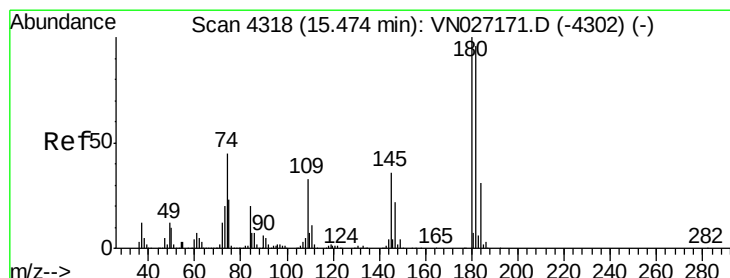
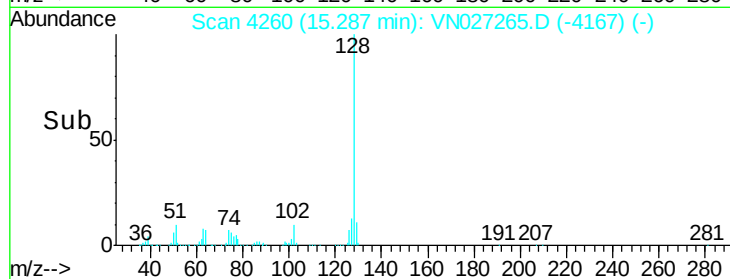
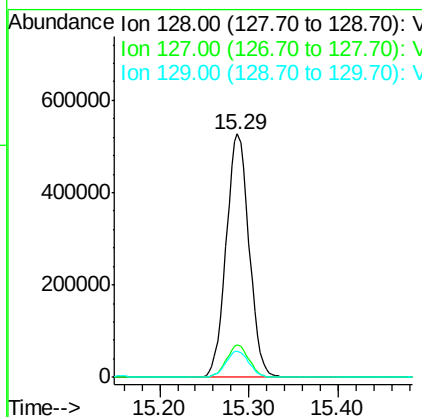
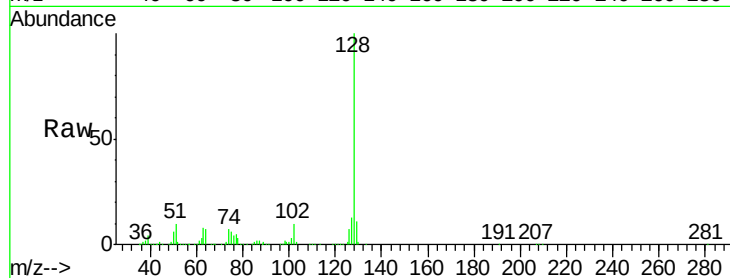
#96
Naphthalene
Concen: 48.90 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Instrument :
MSVOA_N
ClientSampleId :
MW-12-9-15-15MSD

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:23:40 PM



#97
1,2,3-Trichlorobenzene
Concen: 48.44 ug/l
RT: 15.47 min Scan# 4318
Delta R.T. 0.00 min
Lab File: VN027265.D
Acq: 17 Sep 2015 19:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.1	48.8	146.4
145	34.2	16.6	49.8

