

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027330.D
 Acq On : 21 Sep 2015 12:44
 Operator : MD\FY
 Sample : VSTDICC200
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC200

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:03 PM

Quant Time: Sep 21 13:03:31 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	568224	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1076372	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	940513	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	373539	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	2134586	183.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	366.68%	
36) Dibromofluoromethane	7.68	113	1317180	176.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	353.08%	
51) Toluene-d8	10.19	98	5124142	175.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	350.80%	
63) 4-Bromofluorobenzene	12.52	95	1924413	185.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	371.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	1150091	169.15	ug/l	100
3) Chlorodifluoromethane	1.81	51	1483979	188.62	ug/l	93
4) Chloromethane	2.01	50	1323527	161.66	ug/l	99
5) Vinyl Chloride	2.14	62	1461660	182.03	ug/l	98
6) Bromomethane	2.52	94	668483	163.49	ug/l	100
7) Chloroethane	2.67	64	901929	165.24	ug/l	99
8) Trichlorofluoromethane	3.02	101	2110534	174.00	ug/l	99
9) Diethyl Ether	3.42	74	969683	173.73	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	1325076	173.93	ug/l	95
11) Methyl Iodide	3.99	142	1112144	150.19	ug/l #	90
12) Tert butyl alcohol	4.80	59	840049	737.87	ug/l	97
13) 1,1-Dichloroethene	3.76	96	1274402	174.68	ug/l	92
14) Acrolein	3.61	56	1262636	944.09	ug/l	96
15) Allyl chloride	4.36	41	2424023	164.49	ug/l #	82
16) Acrylonitrile	5.02	53	3416482	917.68	ug/l	99
17) Acetone	3.82	43	2859398	910.93	ug/l	96
18) Carbon Disulfide	4.10	76	3843958	161.79	ug/l	100
19) Methyl Acetate	4.36	43	4099270	180.30	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	5101546	174.17	ug/l	96
21) Methylene Chloride	4.60	84	1544050	176.57	ug/l	99
22) trans-1,2-Dichloroethene	5.12	96	1381114	175.02	ug/l	95
23) Diisopropyl ether	6.03	45	5497440	177.81	ug/l	92
24) Vinyl Acetate	5.97	43	9502272	928.56	ug/l	98
25) 1,1-Dichloroethane	5.93	63	3131517	174.34	ug/l	100
26) 2-Butanone	6.91	43	4099463	867.26	ug/l	96
27) 2,2-Dichloropropane	6.92	77	2755955	176.85	ug/l	93
28) cis-1,2-Dichloroethene	6.92	96	1644729	181.72	ug/l	95
29) Bromochloromethane	7.29	49	1105049	158.51	ug/l	98
30) Tetrahydrofuran	7.31	42	2557248	784.98	ug/l	91
31) Chloroform	7.45	83	2965888	182.75	ug/l	98
32) Cyclohexane	7.77	56	2780604	139.42	ug/l	94
33) 1,1,1-Trichloroethane	7.67	97	2618751	180.98	ug/l	97
37) 1,1-Dichloropropene	7.89	75	2254746	178.94	ug/l	98
38) Ethyl Acetate	7.01	43	1812864	156.57	ug/l	98

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027330.D
 Acq On : 21 Sep 2015 12:44
 Operator : MD\FY
 Sample : VSTDICC200
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC200

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:03 PM

Quant Time: Sep 21 13:03:31 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	2084776	175.99	ug/l	99
40) Methylcyclohexane	9.19	83	2665082	173.69	ug/l	98
41) Benzene	8.14	78	6361826	173.05	ug/l	99
42) Methacrylonitrile	7.24	41	1083078	177.82	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	2660470	179.64	ug/l	94
44) Isopropyl Acetate	8.25	43	3420194	169.86	ug/l	98
45) Trichloroethene	8.93	130	1292670	175.06	ug/l	87
46) 1,2-Dichloropropane	9.21	63	1788190	169.07	ug/l	99
47) Dibromomethane	9.30	93	1079269	173.79	ug/l	93
48) Bromodichloromethane	9.49	83	2357188	180.11	ug/l	99
49) Methyl methacrylate	9.29	41	1705668	170.03	ug/l #	88
50) 1,4-Dioxane	9.30	88	360305	3062.41	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	8506486	799.05	ug/l	99
53) Toluene	10.26	92	3831676	177.94	ug/l	97
54) t-1,3-Dichloropropene	10.47	75	2639356	179.58	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	2808862	175.68	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	1414741	174.81	ug/l	98
57) Ethyl methacrylate	10.52	69	2341098	171.65	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	2607118	173.53	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	5201840	830.70	ug/l	98
60) 2-Hexanone	10.84	43	5702202	786.72	ug/l	100
61) Dibromochloromethane	11.00	129	1446990	175.08	ug/l	100
62) 1,2-Dibromoethane	11.11	107	1401517	176.23	ug/l	100
65) Tetrachloroethene	10.74	164	1006415	167.33	ug/l	94
66) Chlorobenzene	11.54	112	3852786	173.52	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	1277081	168.62	ug/l	98
68) Ethyl Benzene	11.62	91	7347161	174.50	ug/l	99
69) m/p-Xylenes	11.73	106	5103792	351.33	ug/l	89
70) o-Xylene	12.06	106	2555214	175.47	ug/l	90
71) Styrene	12.07	104	4294008	182.65	ug/l	94
72) Bromoform	12.24	173	897558	170.41	ug/l #	99
74) Isopropylbenzene	12.36	105	6904336	167.73	ug/l	98
75) N-amyl acetate	12.17	43	2927853	159.38	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	1805100	147.66	ug/l	100
77) 1,2,3-Trichloropropane	12.66	75	1575679m	139.57	ug/l	
78) Bromobenzene	12.64	156	1326209	164.30	ug/l	91
79) n-propylbenzene	12.71	91	8499644	175.51	ug/l	97
80) 2-Chlorotoluene	12.79	91	4984600	171.41	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	5667221	171.37	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	708659	154.19	ug/l	91
83) 4-Chlorotoluene	12.89	91	5062570	177.19	ug/l	94
84) tert-Butylbenzene	13.11	119	4537440	166.31	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	5677146	170.93	ug/l	94
86) sec-Butylbenzene	13.29	105	6872218	171.93	ug/l	98
87) p-Isopropyltoluene	13.41	119	5283288	171.61	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	2412712	174.67	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	2399281	171.51	ug/l	95
90) n-Butylbenzene	13.74	91	5698419	190.74	ug/l	98
91) Hexachloroethane	14.01	117	1078803	160.13	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	2333583	170.96	ug/l	96

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
Data File : VN027330.D
Acq On : 21 Sep 2015 12:44
Operator : MD\FY
Sample : VSTDICC200
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC200

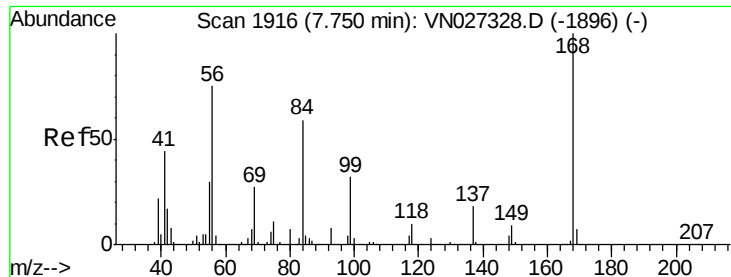
Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:28:03 PM

Quant Time: Sep 21 13:03:31 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 21 12:16:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	407103	152.20	ug/l	85
94) 1,2,4-Trichlorobenzene	15.05	180	1515945	205.58	ug/l	98
95) Hexachlorobutadiene	15.16	225	674749	173.75	ug/l	99
96) Naphthalene	15.29	128	4298310	198.84	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	1448983	197.68	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: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:168 Resp: 568224

Ion Ratio Lower Upper

168 100

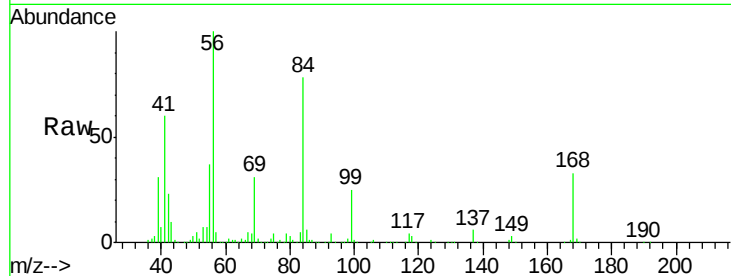
99 74.0 50.4 75.6

Manual Integrations

APPROVED

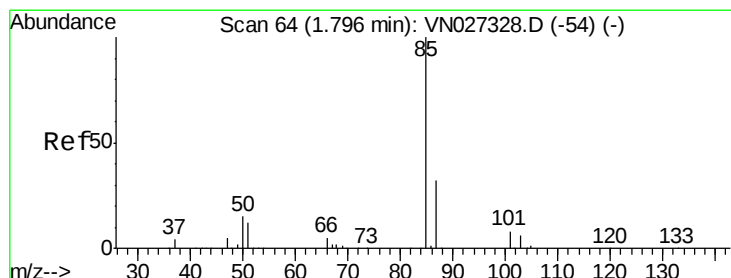
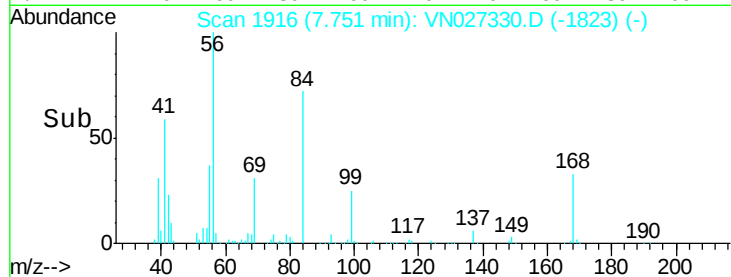
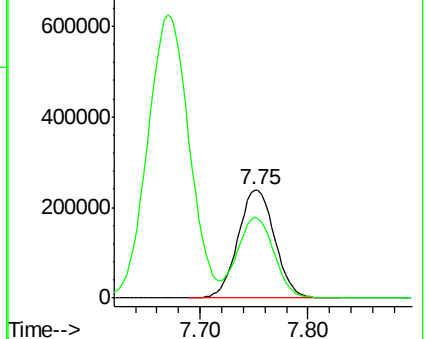
MMDadoda

9/22/2015 2:28:03 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 169.15 ug/l

RT: 1.80 min Scan# 64

Delta R.T. 0.00 min

Lab File: VN027330.D

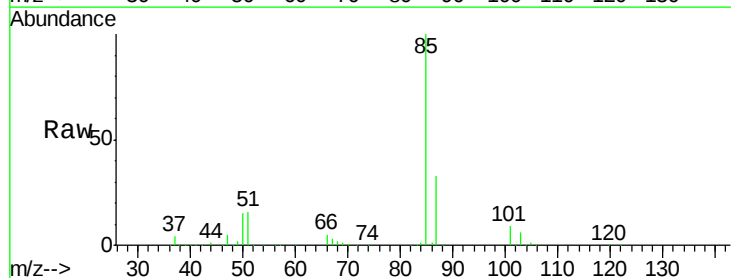
Acq: 21 Sep 2015 12:44

Tgt Ion: 85 Resp: 1150091

Ion Ratio Lower Upper

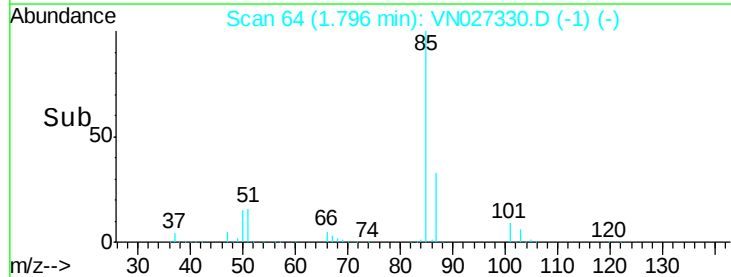
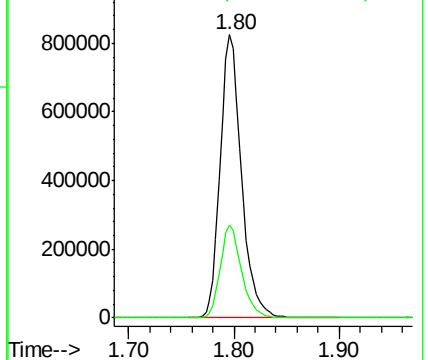
85 100

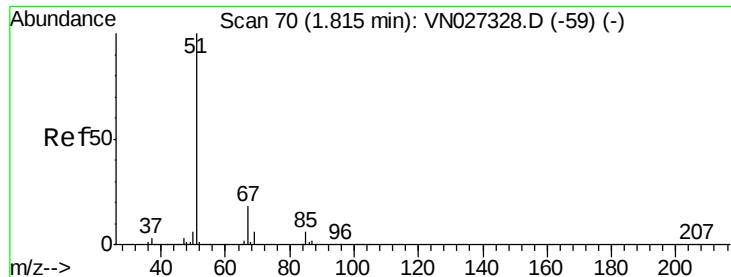
87 32.7 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chlorodifluoromethane

Concen: 188.62 ug/l

RT: 1.81 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Tot Ion: 51 Resp: 1483979

Ion Ratio Lower Upper

51 100

67 18.2 12.2 18.2

Instrument :

MSVOA_N

ClientSampled :

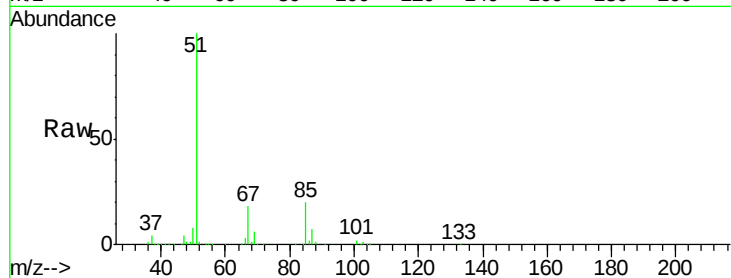
VSTDIC200

Manual Integrations

APPROVED

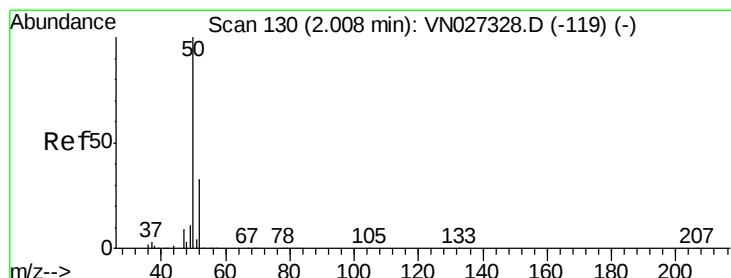
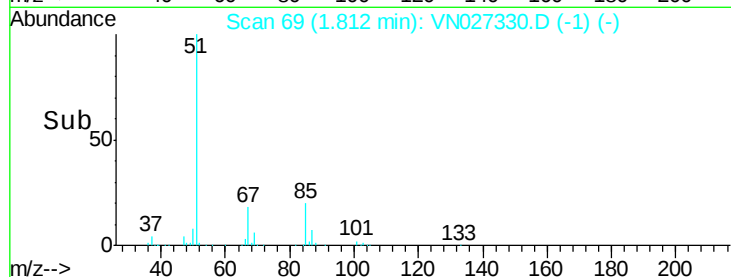
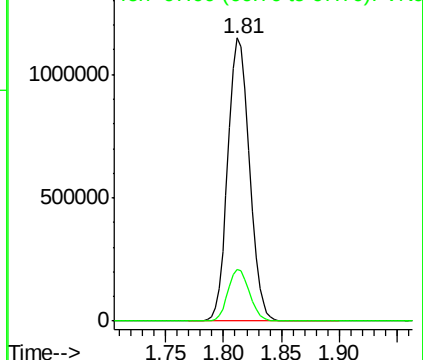
MMDadoda

9/22/2015 2:28:03 PM



Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 161.66 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027330.D

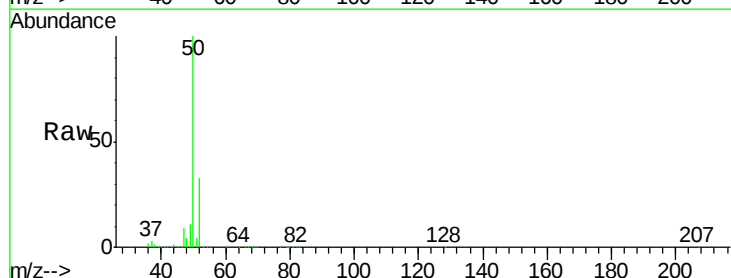
Acq: 21 Sep 2015 12:44

Tgt Ion: 50 Resp: 1323527

Ion Ratio Lower Upper

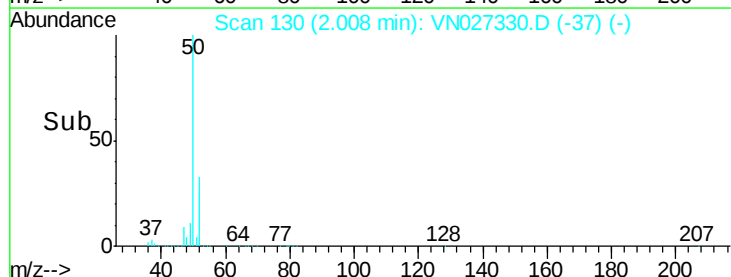
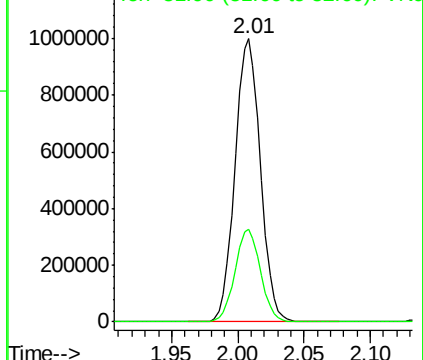
50 100

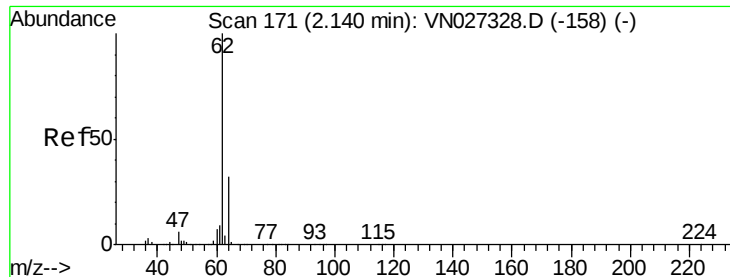
52 32.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 182.03 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampled :

VSTDICC200

Tot Ion: 62 Resp: 1461660

Ion Ratio Lower Upper

62 100

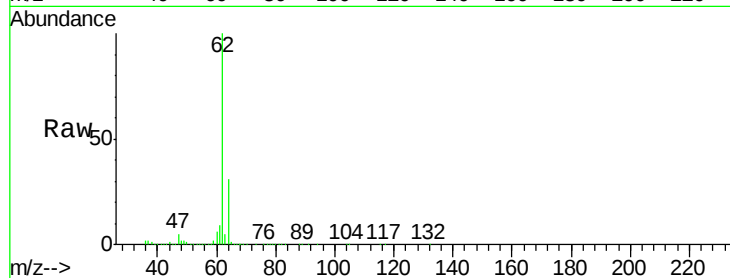
64 31.2 25.9 38.9

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

1200000

1000000

800000

600000

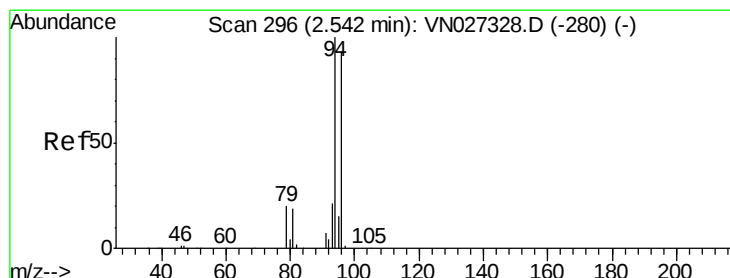
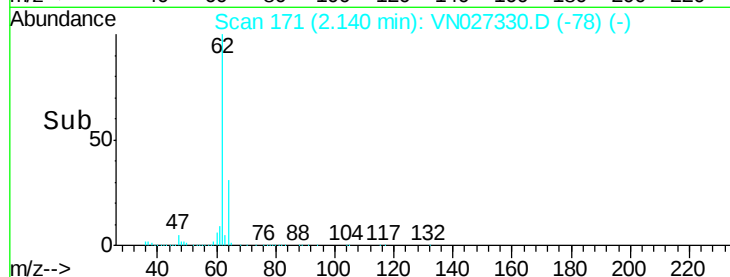
400000

200000

0

2.14

Time-->



#6

Bromomethane

Concen: 163.49 ug/l

RT: 2.52 min Scan# 288

Delta R.T. -0.03 min

Lab File: VN027330.D

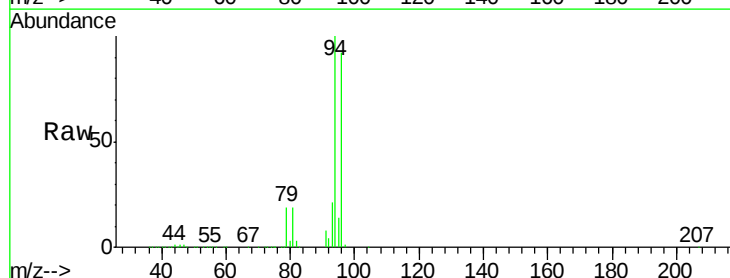
Acq: 21 Sep 2015 12:44

Tgt Ion: 94 Resp: 668483

Ion Ratio Lower Upper

94 100

96 92.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

400000

300000

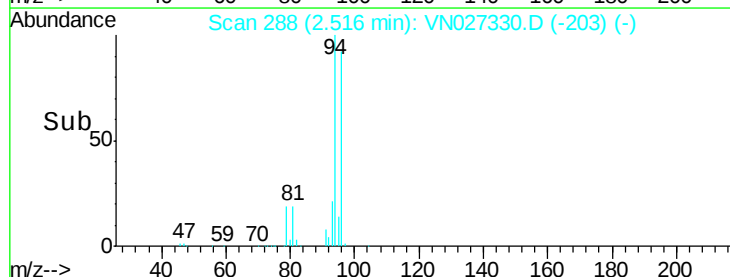
200000

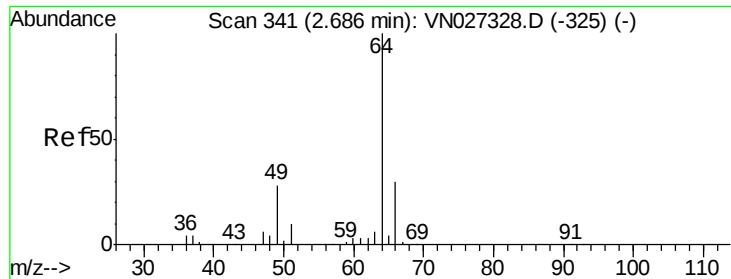
100000

0

2.52

Time-->





#7

Chloroethane

Concen: 165.24 ug/l

RT: 2.67 min Scan# 337

Delta R.T. -0.01 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC200

Tot Ion: 64 Resp: 901929

Ion Ratio Lower Upper

64 100

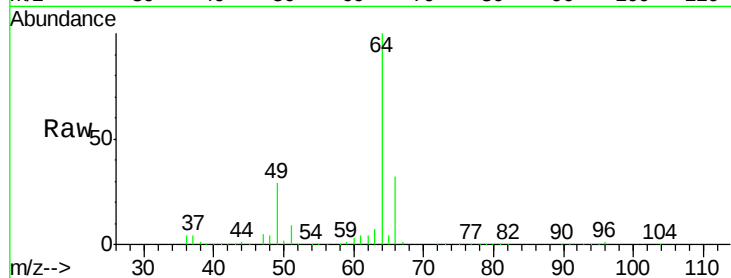
66 32.4 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.67

400000

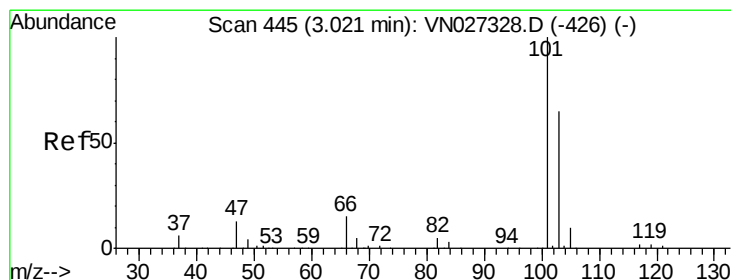
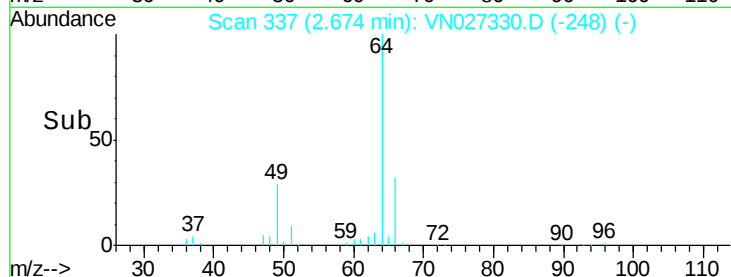
300000

200000

100000

0

Time-->



#8

Trichlorofluoromethane

Concen: 174.00 ug/l

RT: 3.02 min Scan# 444

Delta R.T. -0.00 min

Lab File: VN027330.D

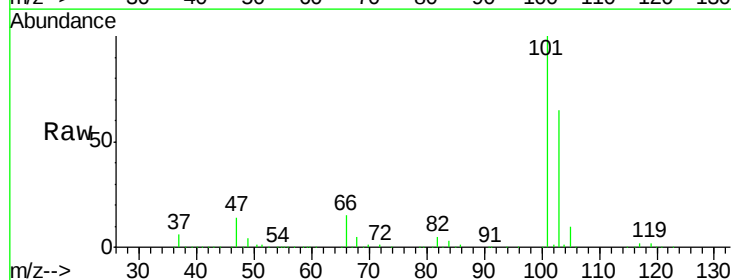
Acq: 21 Sep 2015 12:44

Tgt Ion:101 Resp: 2110534

Ion Ratio Lower Upper

101 100

103 65.1 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

1000000

800000

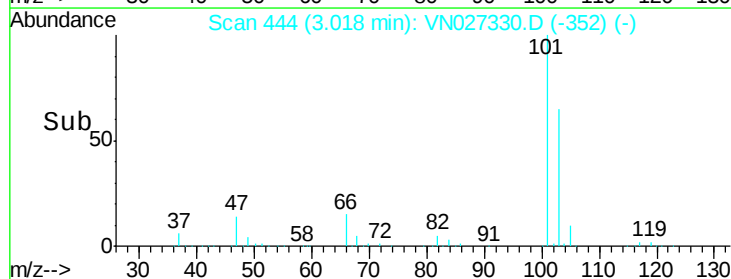
600000

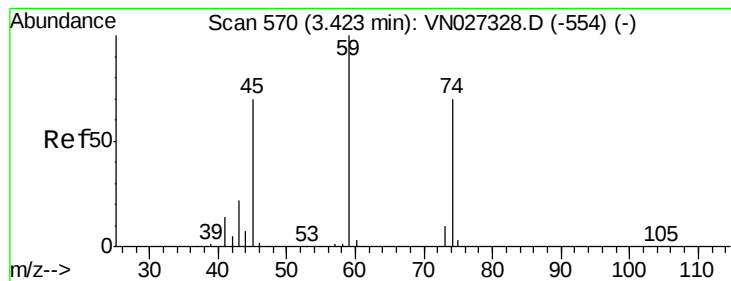
400000

200000

0

Time-->





#9

Diethyl Ether

Concen: 173.73 ug/l

RT: 3.42 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 74 Resp: 969683

Ion Ratio Lower Upper

74 100

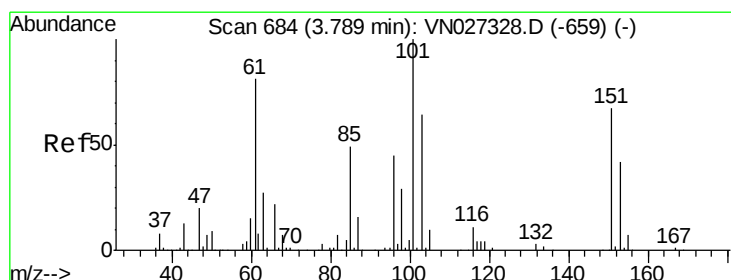
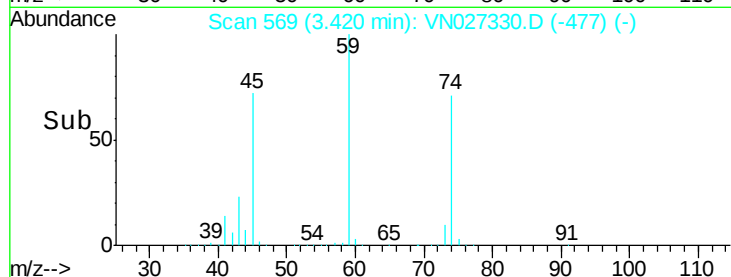
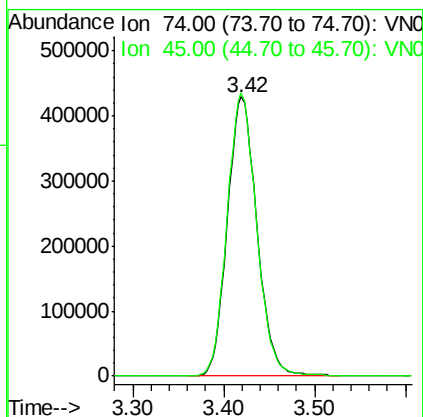
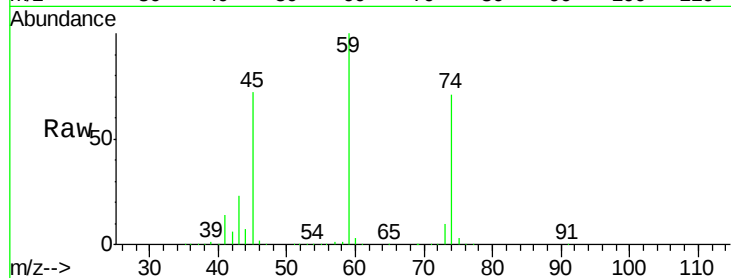
45 100.7 58.1 174.3

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



#10

1,1,2-Trichlorotrifluoroethane

Concen: 173.93 ug/l

RT: 3.79 min Scan# 683

Delta R.T. -0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

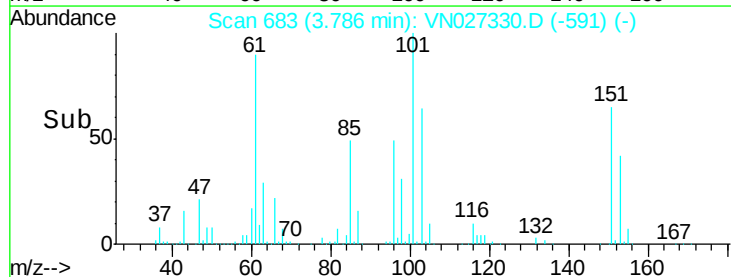
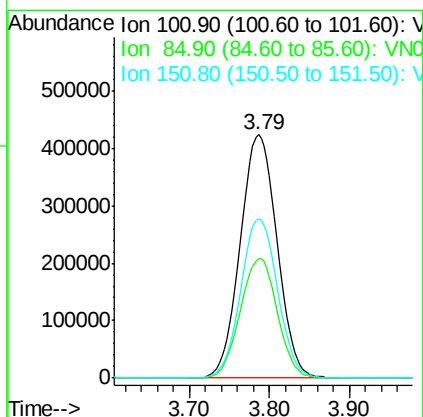
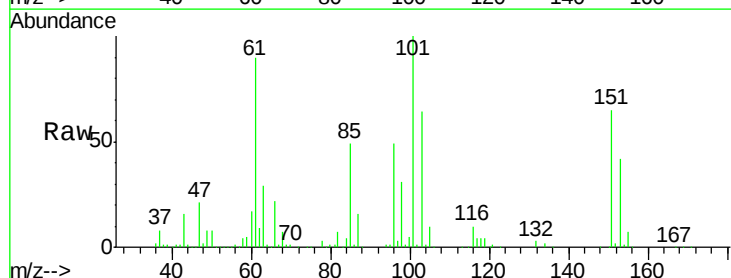
Tgt Ion: 101 Resp: 1325076

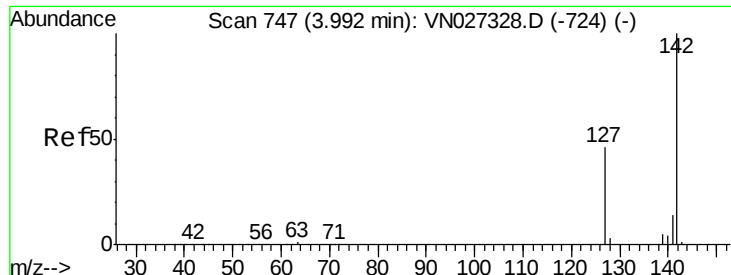
Ion Ratio Lower Upper

101 100

85 49.6 37.4 56.0

151 65.5 55.9 83.9





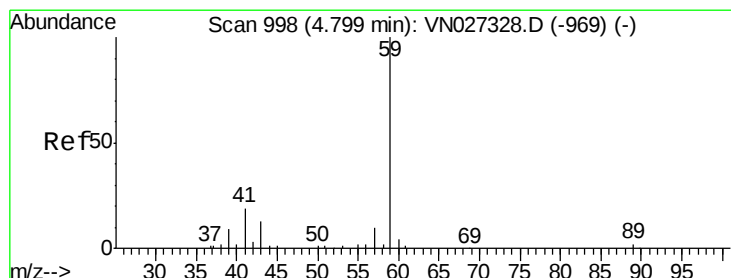
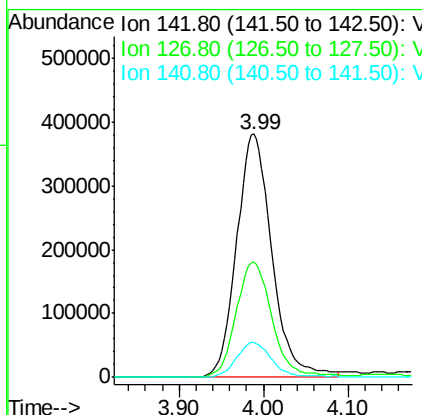
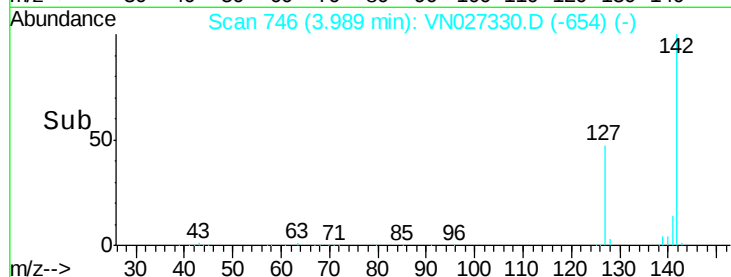
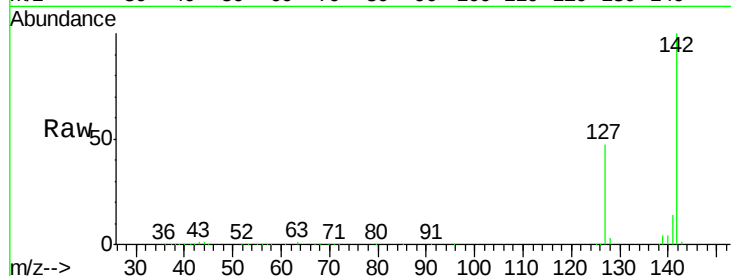
#11
Methvl Iodide
Concen: 150.19 ug/l
RT: 3.99 min Scan# 746
Delta R.T. -0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC200

Tot Ion:142 Resp: 1112144
Ion Ratio Lower Upper
142 100
127 48.6 32.3 48.5#
141 14.1 11.2 16.8

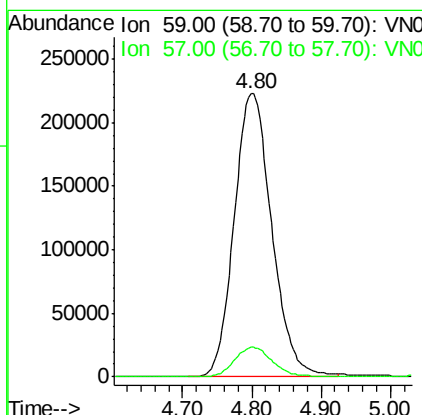
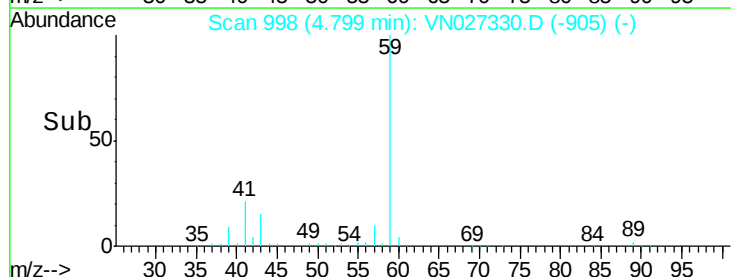
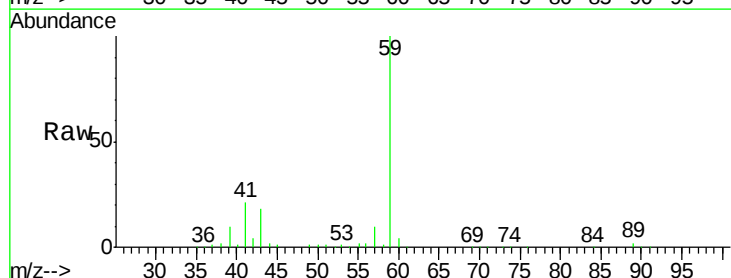
Manual Integrations
APPROVED

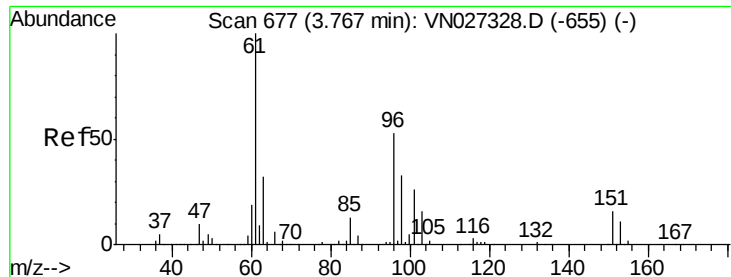
MMDadoda
9/22/2015 2:28:03 PM



#12
Tert butyl alcohol
Concen: 737.87 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 59 Resp: 840049
Ion Ratio Lower Upper
59 100
57 10.7 7.6 11.4





#13

1,1-Dichloroethene

Concen: 174.68 ug/l

RT: 3.76 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 96 Resp: 1274402

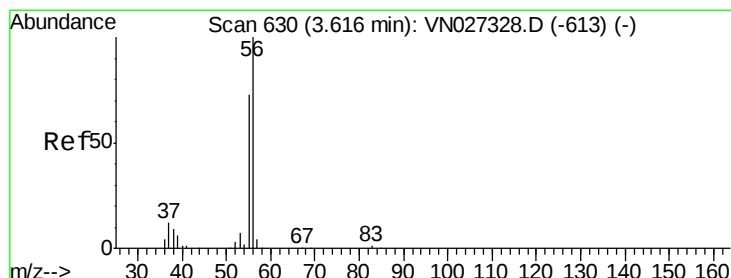
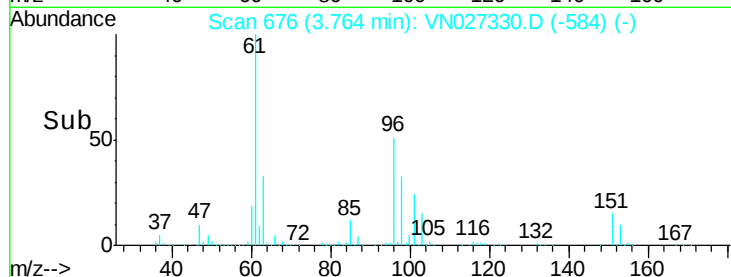
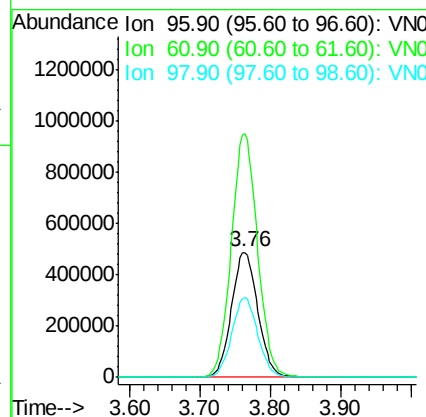
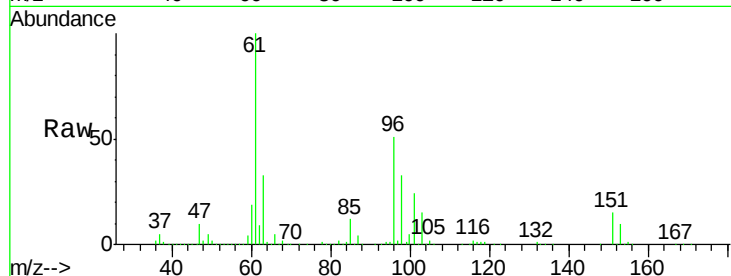
Ion	Ratio	Lower	Upper
96	100		
61	195.1	143.8	215.8
98	64.3	50.3	75.5

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



#14

Acrolein

Concen: 944.09 ug/l

RT: 3.61 min Scan# 628

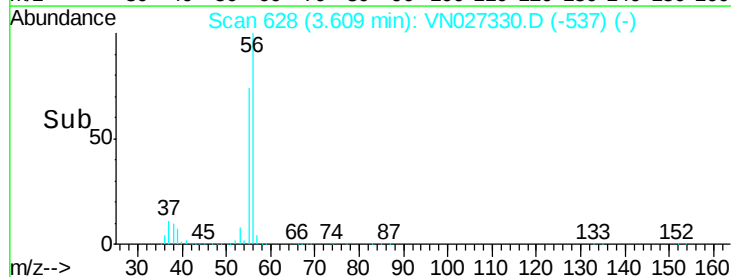
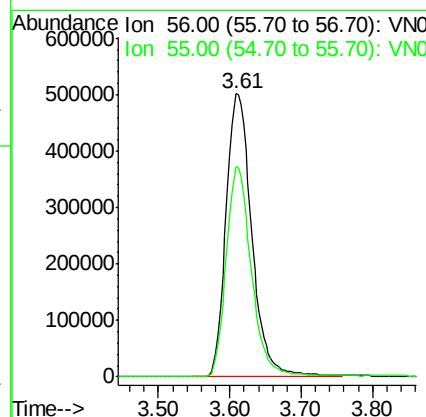
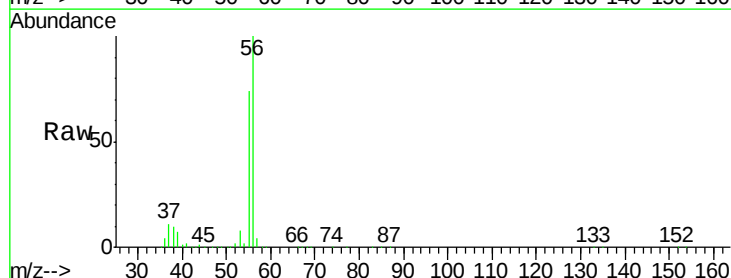
Delta R.T. -0.01 min

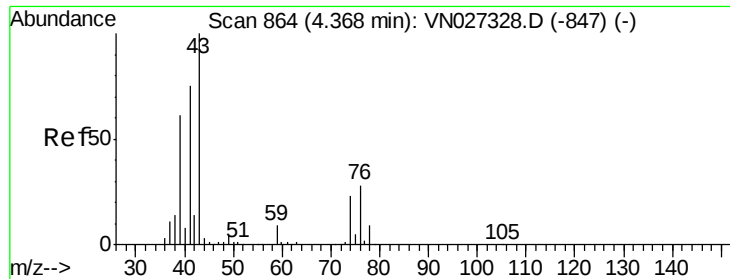
Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Tgt Ion: 56 Resp: 1262636

Ion	Ratio	Lower	Upper
56	100		
55	72.5	55.7	83.5





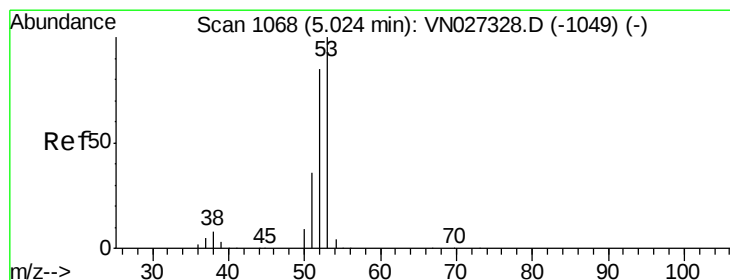
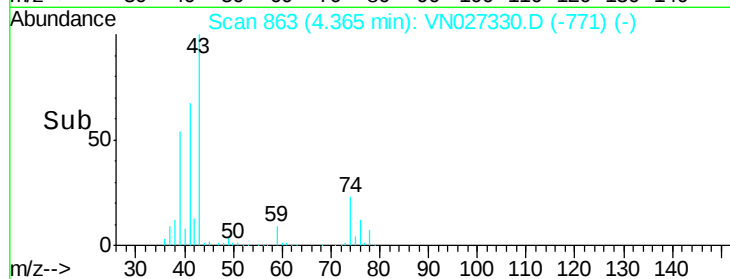
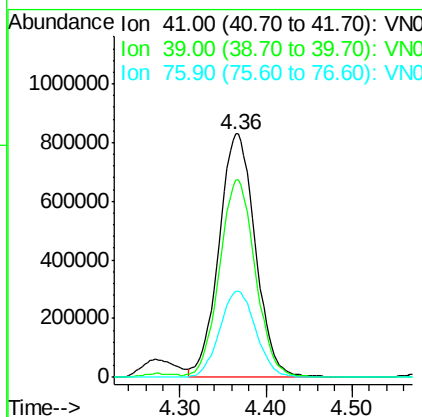
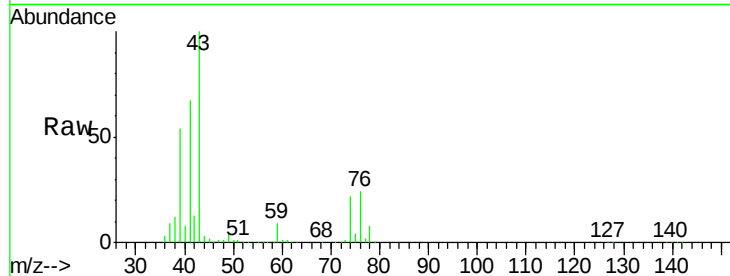
#15
Allvl chloride
Concen: 164.49 ug/l
RT: 4.36 min Scan# 863
Delta R.T. -0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC200

Tot Ion: 41 Resp: 2424023
Ion Ratio Lower Upper
41 100
39 80.3 49.7 74.5#
76 35.1 24.8 37.2

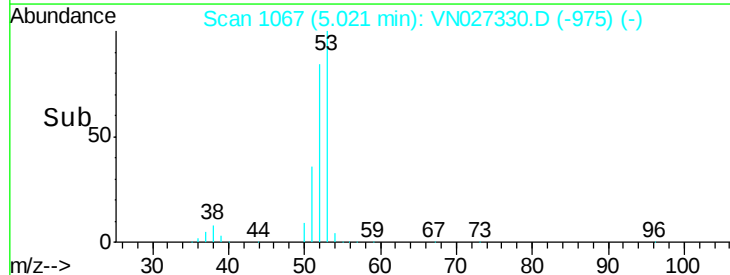
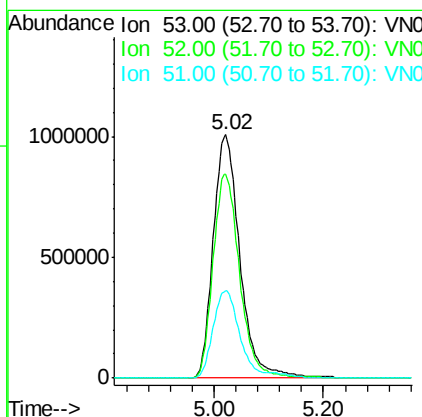
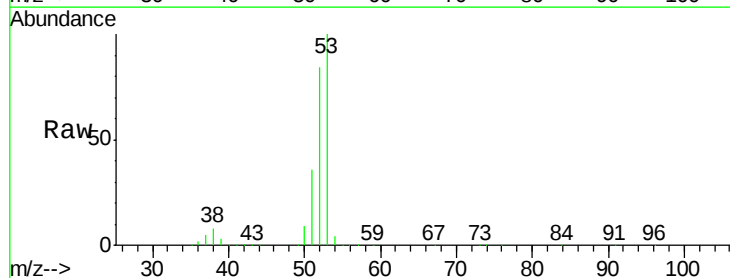
Manual Integrations
APPROVED

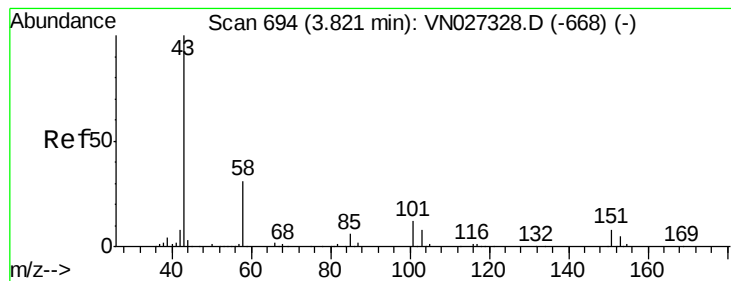
MMDadoda
9/22/2015 2:28:03 PM



#16
Acrylonitrile
Concen: 917.68 ug/l
RT: 5.02 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 53 Resp: 3416482
Ion Ratio Lower Upper
53 100
52 82.9 66.9 100.3
51 35.4 27.4 41.0





#17

Acetone

Concen: 910.93 ug/l

RT: 3.82 min Scan# 693

Delta R.T. -0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 43 Resp: 2859398

Ion Ratio Lower Upper

43 100

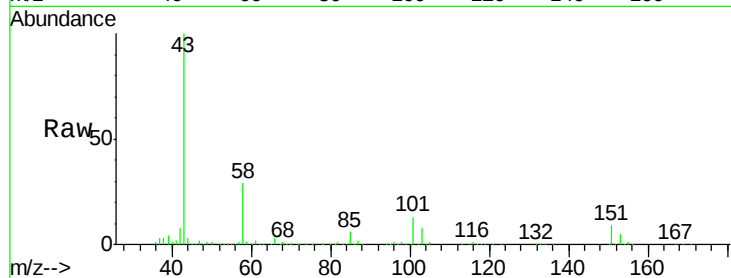
58 29.3 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

1200000

1000000

800000

600000

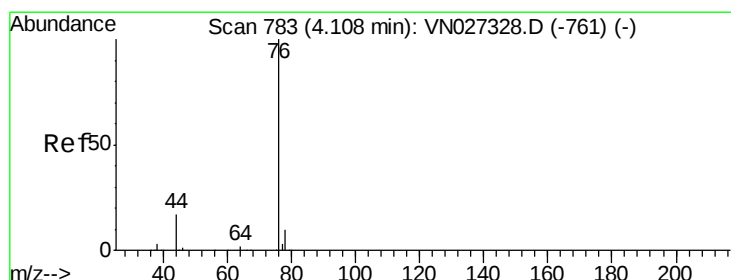
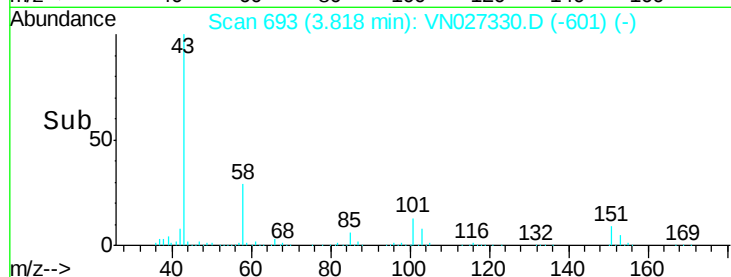
400000

200000

0

3.70 3.80 3.90 4.00

Time-->



#18

Carbon Disulfide

Concen: 161.79 ug/l

RT: 4.10 min Scan# 782

Delta R.T. -0.00 min

Lab File: VN027330.D

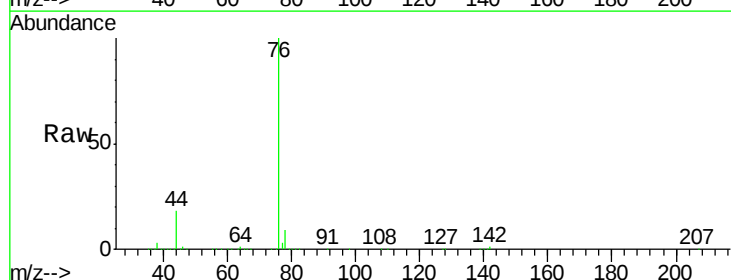
Acq: 21 Sep 2015 12:44

Tgt Ion: 76 Resp: 3843958

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

1500000

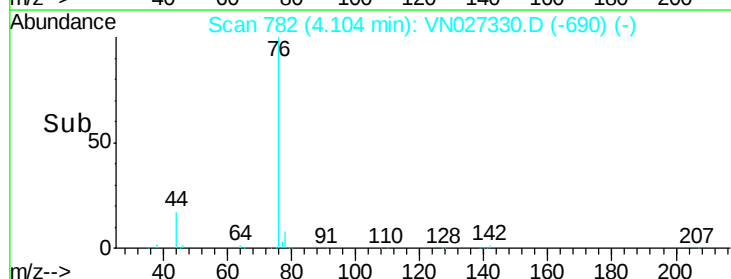
1000000

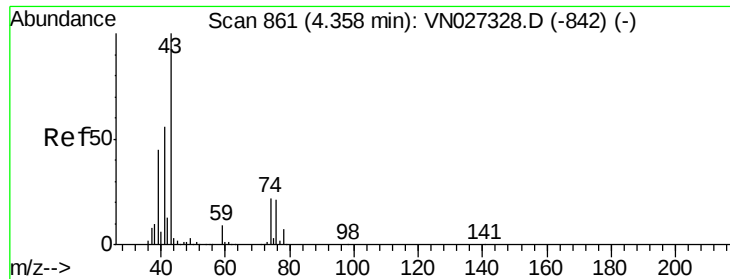
500000

0

3.90 4.00 4.10 4.20 4.30

Time-->





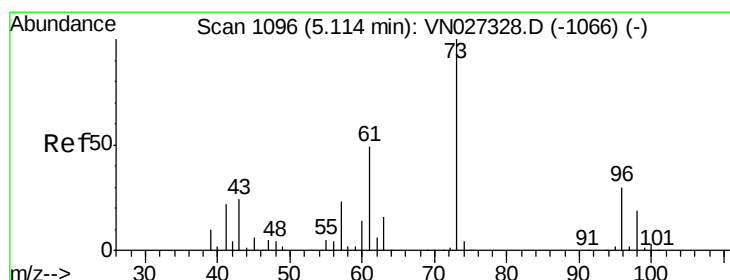
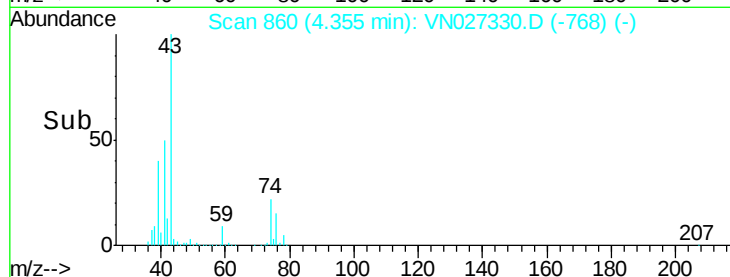
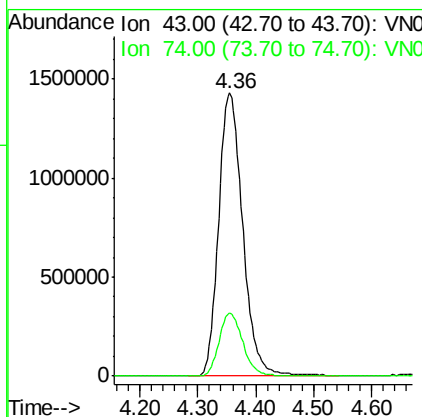
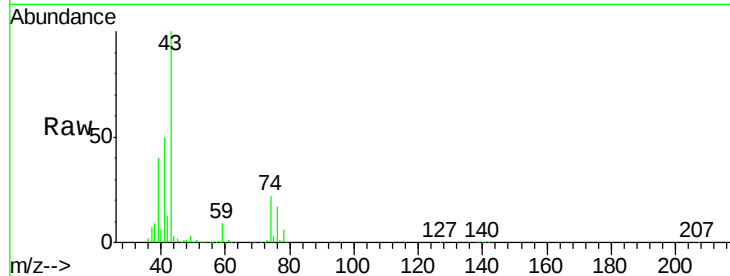
#19
Methvl Acetate
Concen: 180.30 ug/l
RT: 4.36 min Scan# 860
Delta R.T. -0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion: 43 Resp: 4099270
Ion Ratio Lower Upper
43 100
74 22.1 16.2 24.2

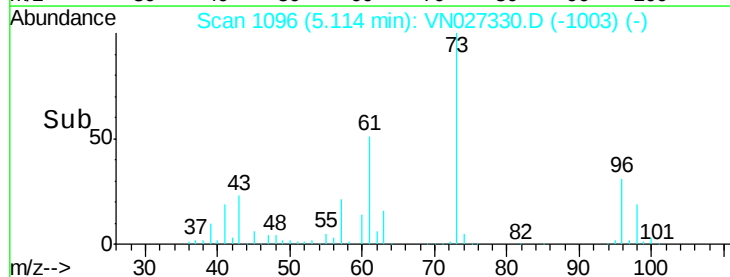
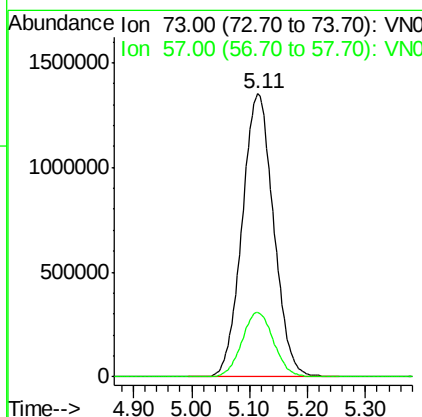
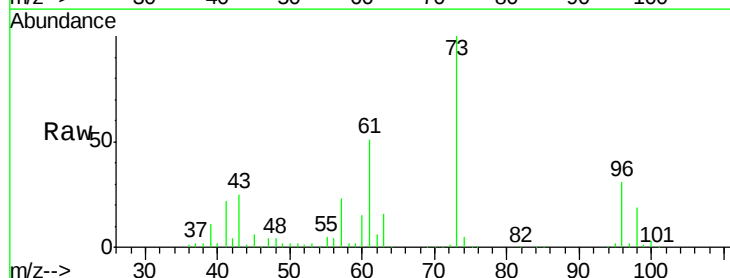
Manual Integrations
APPROVED

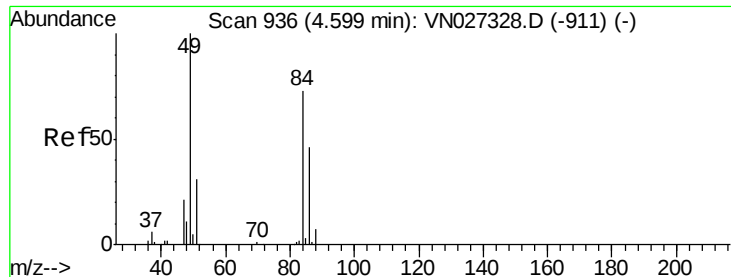
MMDadoda
9/22/2015 2:28:03 PM



#20
Methyl tert-butyl Ether
Concen: 174.17 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 73 Resp: 5101546
Ion Ratio Lower Upper
73 100
57 22.8 19.8 29.6





#21
Methvlene Chloride
Concen: 176.57 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

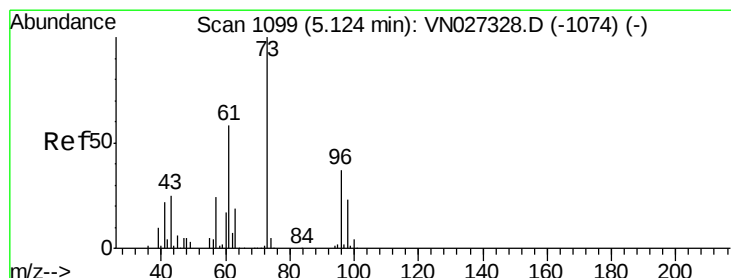
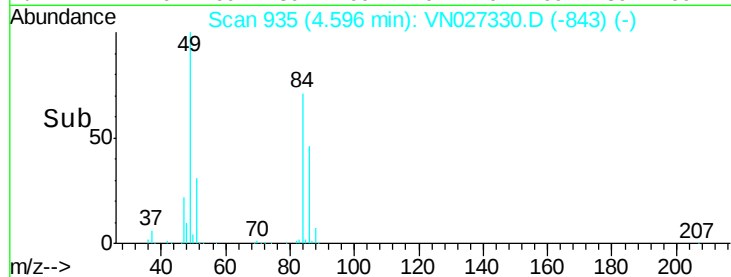
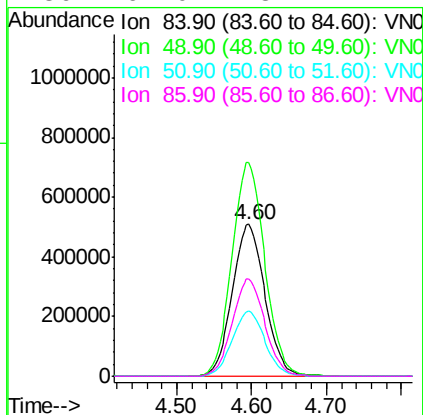
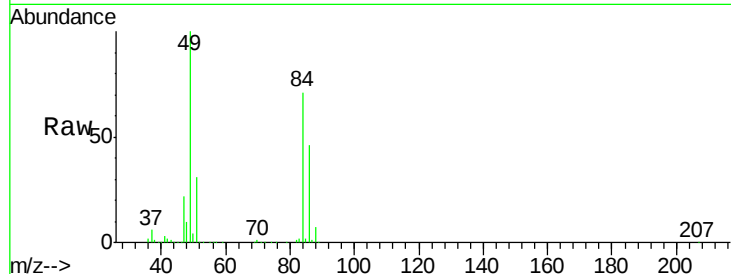
Instrument :
MSVOA_N
ClientSampled :
VSTDIC200

Tot Ion: 84 Resp: 1544050

Ion	Ratio	Lower	Upper
84	100		
49	140.3	112.3	168.5
51	42.9	33.8	50.8
86	64.0	48.2	72.4

Manual Integrations
APPROVED

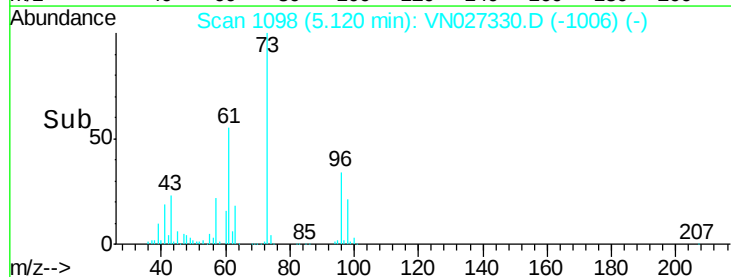
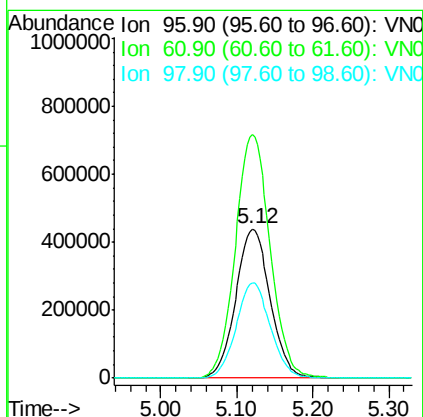
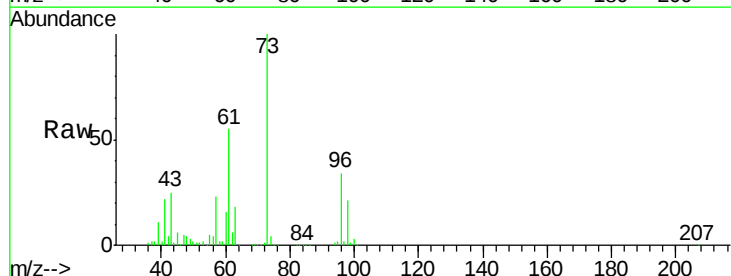
MMDadoda
9/22/2015 2:28:03 PM

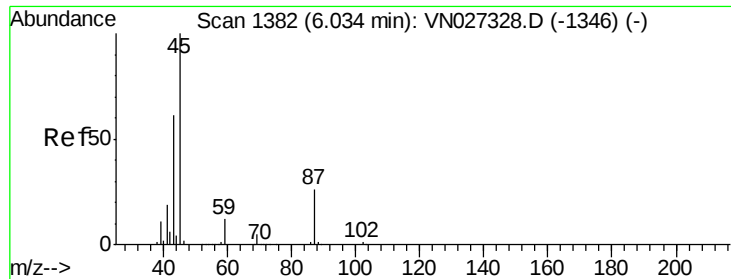


#22
trans-1,2-Dichloroethene
Concen: 175.02 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 96 Resp: 1381114

Ion	Ratio	Lower	Upper
96	100		
61	163.3	126.6	189.8
98	64.0	47.4	71.2





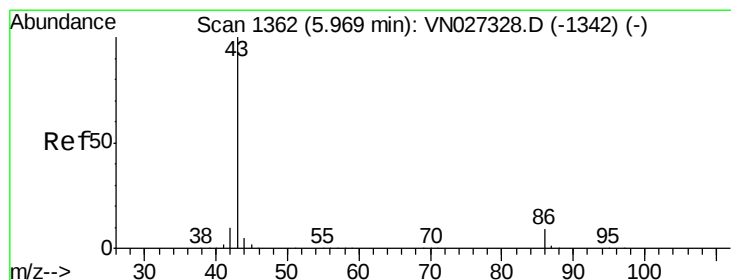
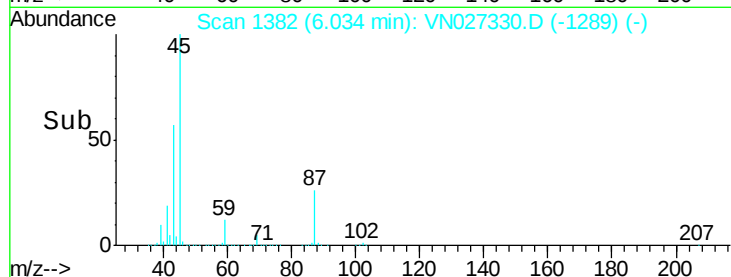
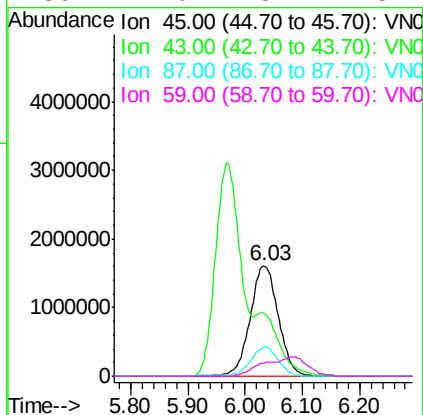
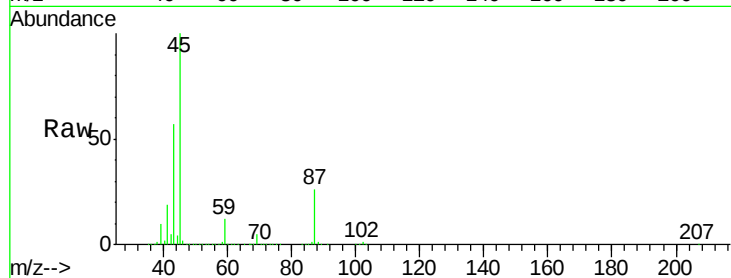
#23
Diisopropyl ether
Concen: 177.81 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	56.9	41.0	61.6	
87	26.2	17.5	26.3	
59	12.0	8.7	13.1	

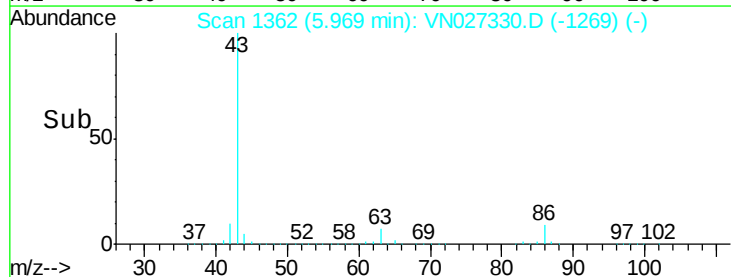
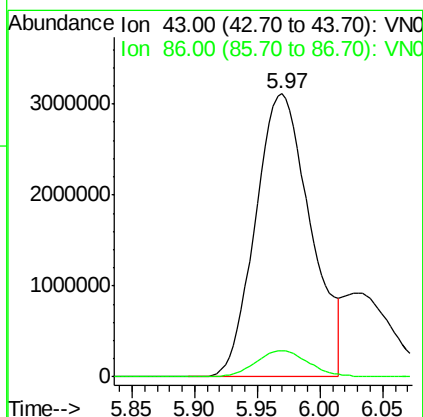
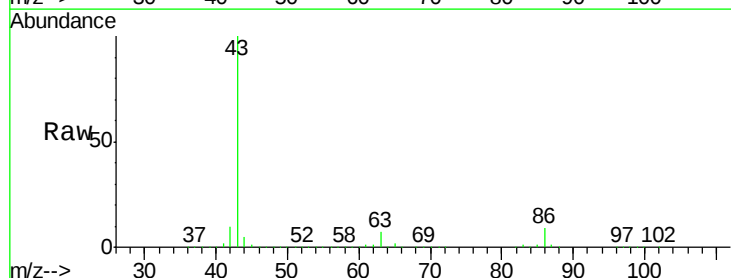
Manual Integrations
APPROVED

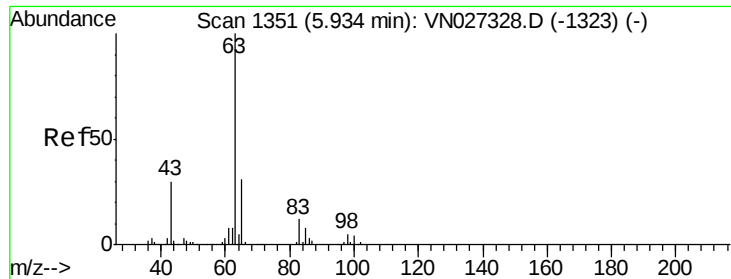
MMDadoda
9/22/2015 2:28:03 PM



#24
Vinyl Acetate
Concen: 928.56 ug/l
RT: 5.97 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.4	6.9	10.3	





#25

1,1-Dichloroethane

Concen: 174.34 ug/l

RT: 5.93 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

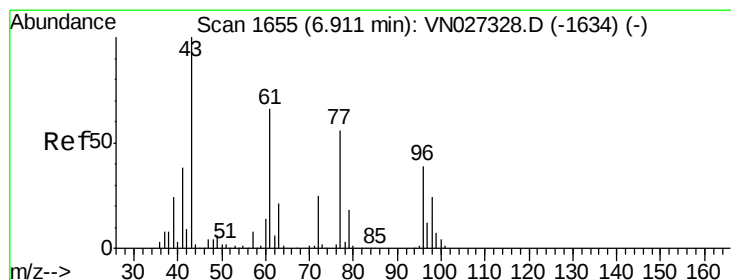
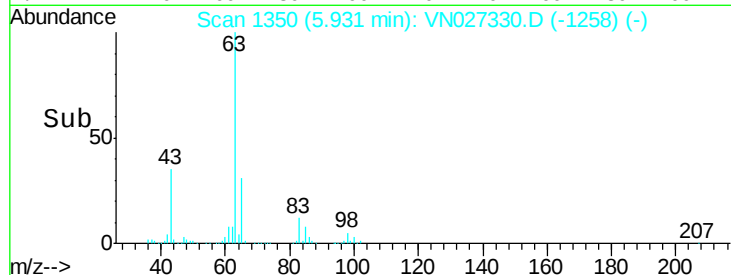
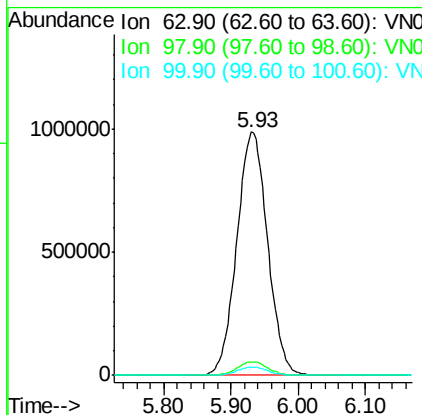
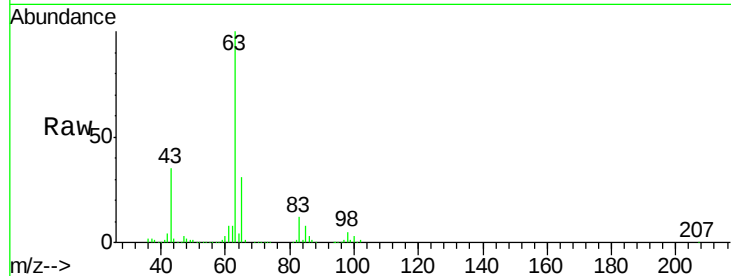
ClientSampleId :

VSTDIC200

Tot Ion:	63	Resp:	3131517
Ion	Ratio	Lower	Upper
63	100		
98	5.5	2.8	8.3
100	3.3	1.7	5.0

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:28:03 PM



#26

2-Butanone

Concen: 867.26 ug/l

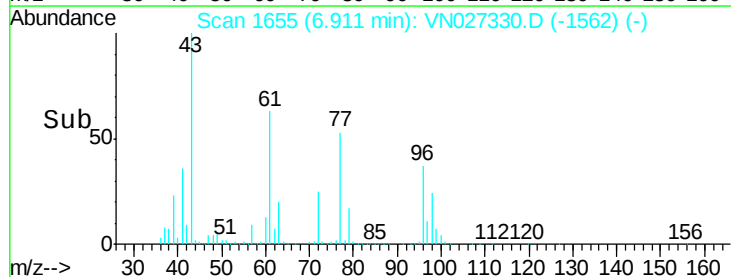
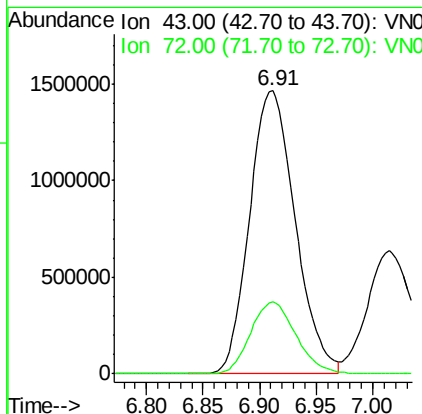
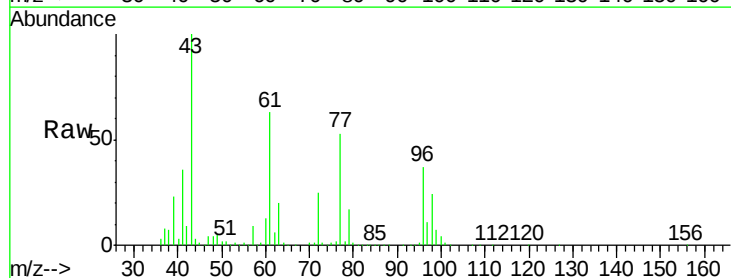
RT: 6.91 min Scan# 1655

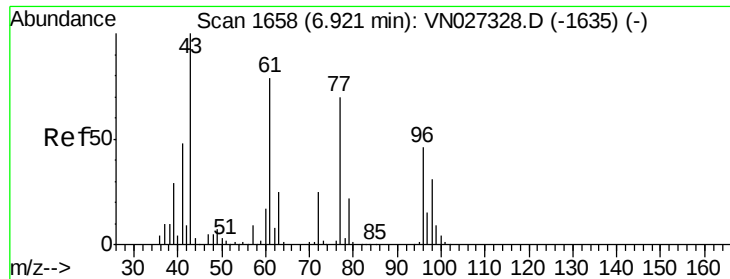
Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Tgt Ion:	43	Resp:	4099463
Ion	Ratio	Lower	Upper
43	100		
72	25.4	18.8	28.2





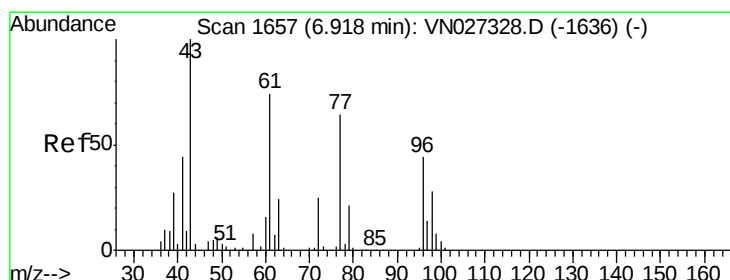
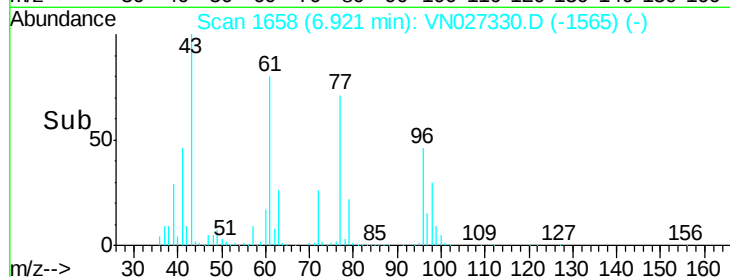
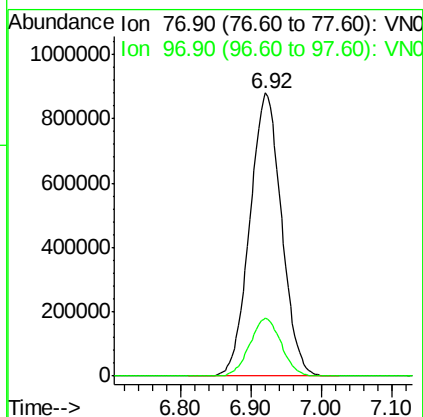
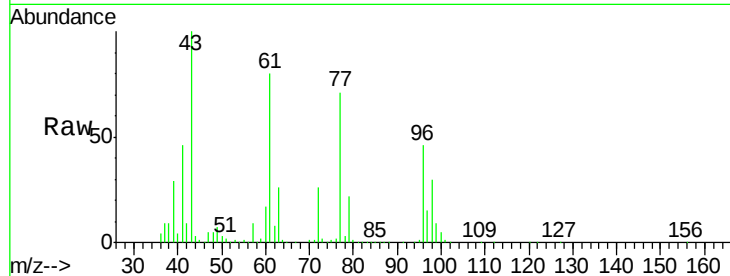
#27
 2,2-Dichloropropane
 Concen: 176.85 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC200

Tot Ion: 77 Resp: 2755955
 Ion Ratio Lower Upper
 77 100
 97 20.3 11.8 35.3

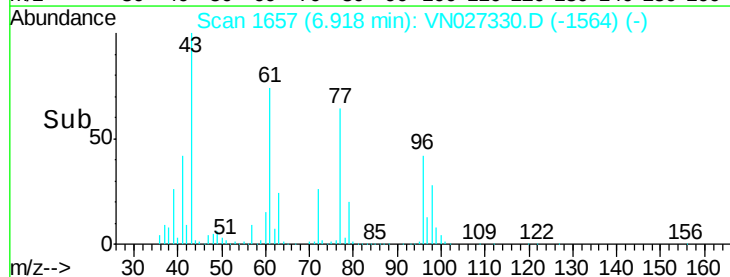
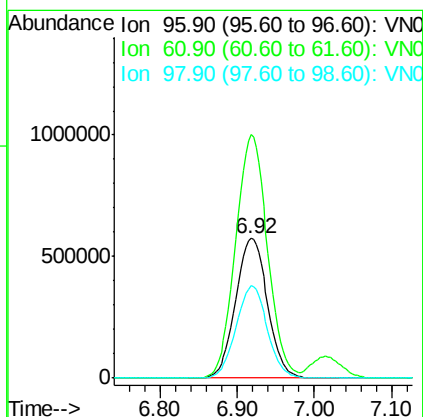
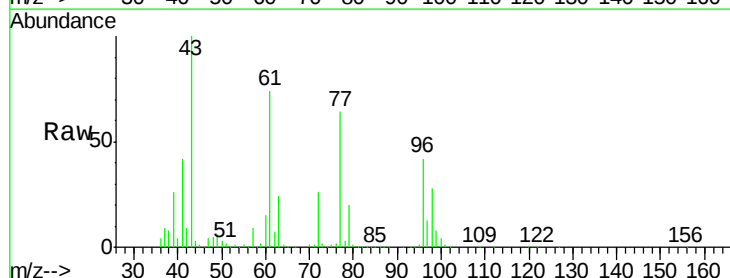
Manual Integrations
 APPROVED

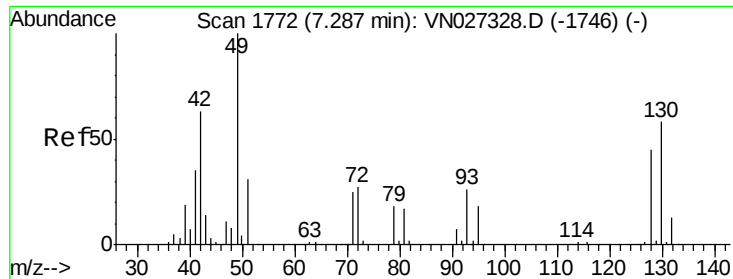
MMDadoda
 9/22/2015 2:28:03 PM



#28
 cis-1,2-Dichloroethene
 Concen: 181.72 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion: 96 Resp: 1644729
 Ion Ratio Lower Upper
 96 100
 61 173.6 0.0 329.2
 98 64.6 0.0 126.0





#29

Bromochloromethane

Concen: 158.51 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC200

Tot Ion: 49 Resp: 1105049

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.2

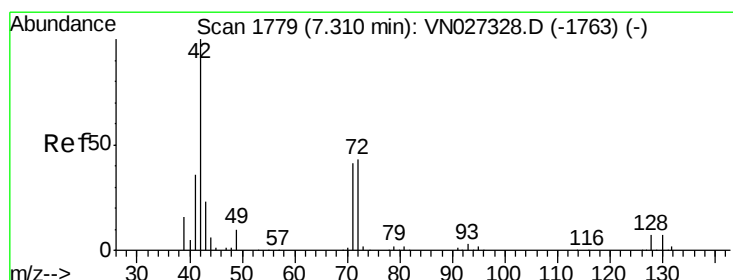
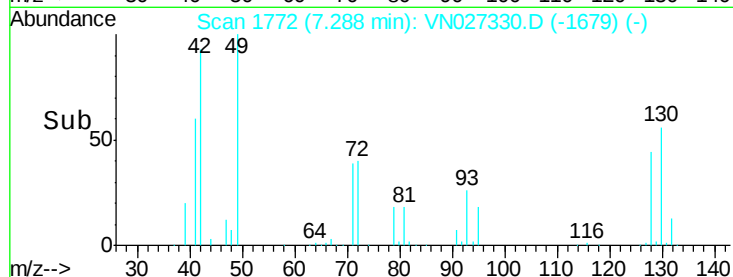
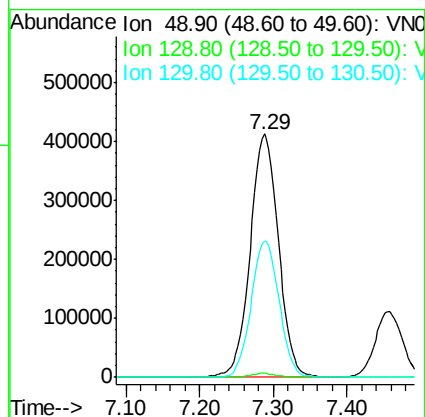
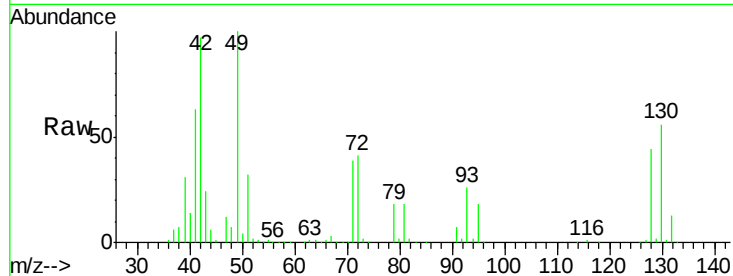
130 55.5 43.2 64.8

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



#30

Tetrahydrofuran

Concen: 784.98 ug/l

RT: 7.31 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

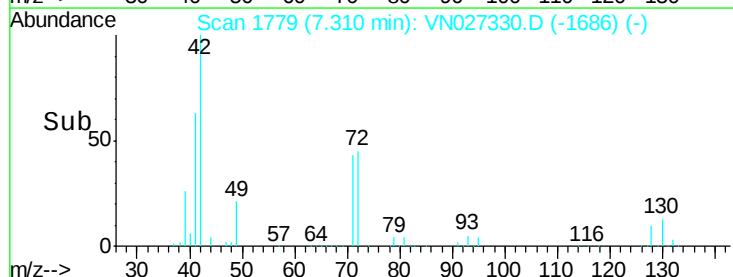
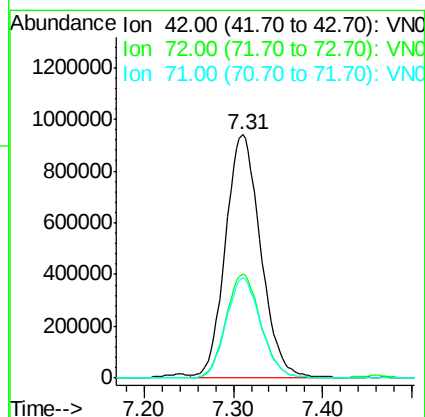
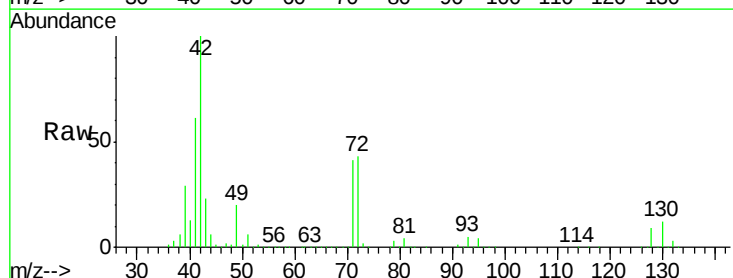
Tgt Ion: 42 Resp: 2557248

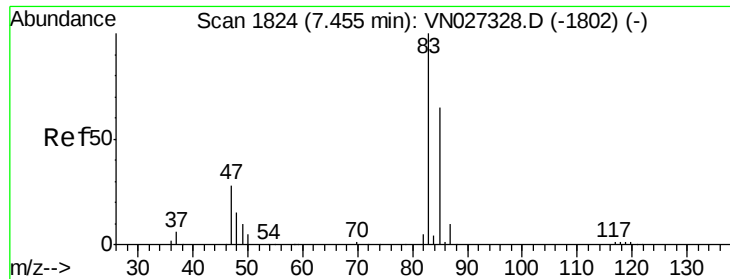
Ion Ratio Lower Upper

42 100

72 42.8 29.9 44.9

71 41.0 28.3 42.5





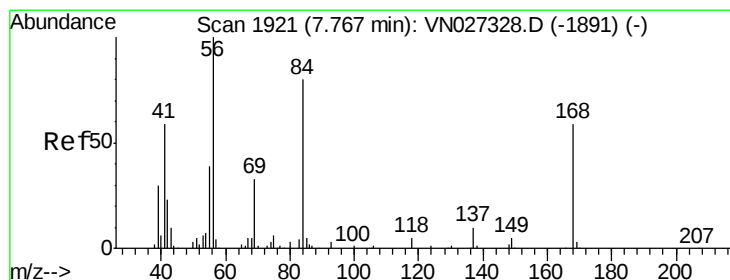
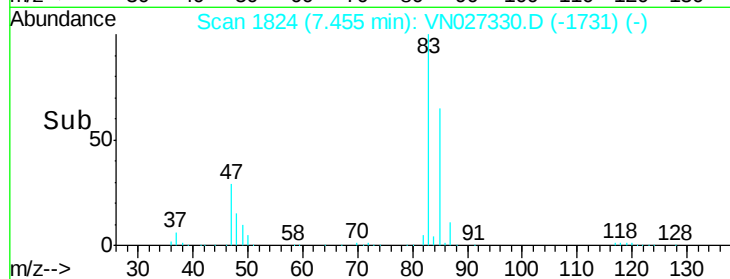
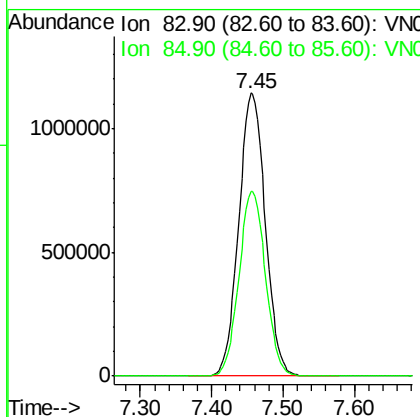
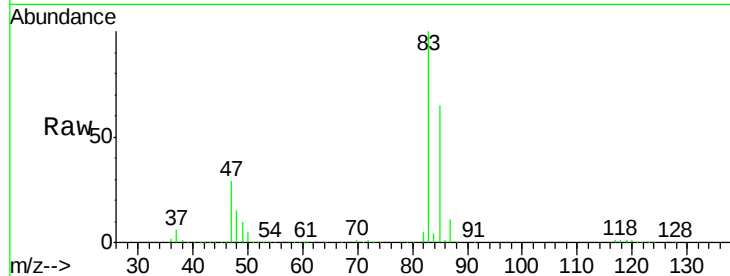
#31
Chloroform
Concen: 182.75 ug/l
RT: 7.45 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC200

Tot Ion: 83 Resp: 2965888
Ion Ratio Lower Upper
83 100
85 65.4 51.1 76.7

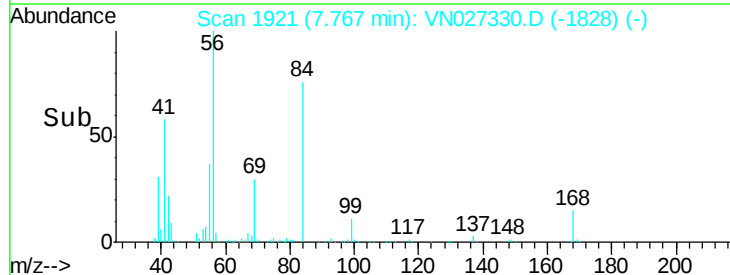
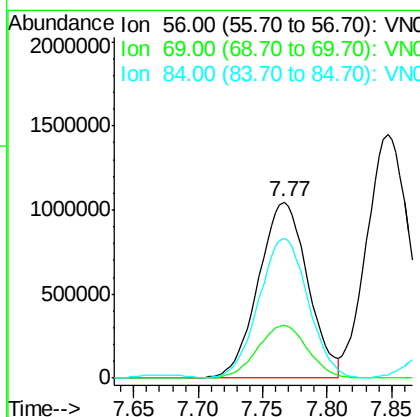
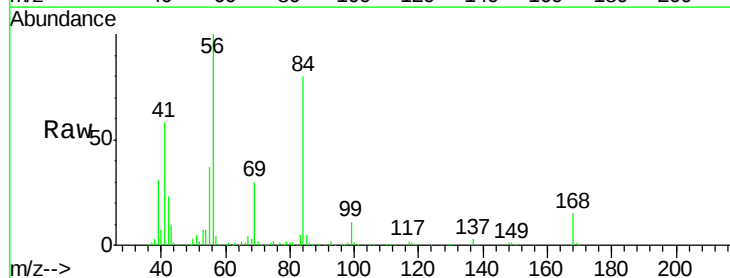
Manual Integrations
APPROVED

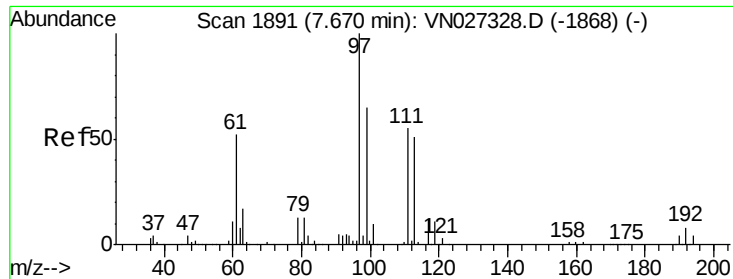
MMDadoda
9/22/2015 2:28:03 PM



#32
Cyclohexane
Concen: 139.42 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 56 Resp: 2780604
Ion Ratio Lower Upper
56 100
69 30.2 23.0 34.4
84 78.8 57.8 86.8





#33
 1,1,1-Trichloroethane
 Concen: 180.98 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

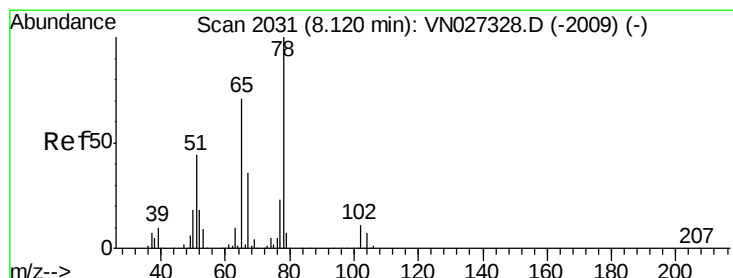
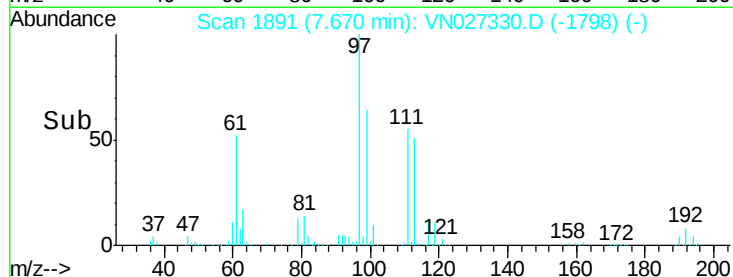
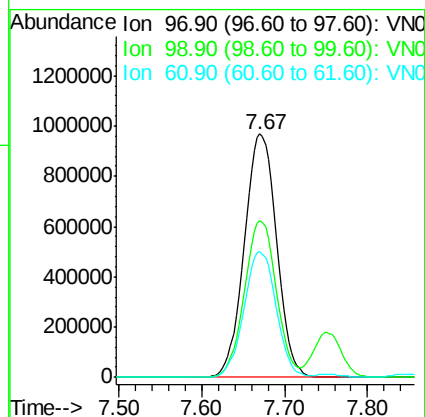
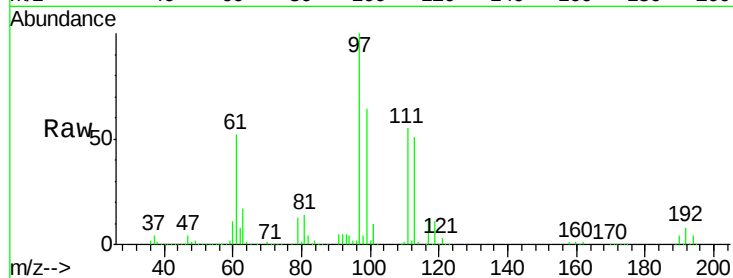
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion: 97 Resp: 2618751

Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.1	75.1
61	51.6	44.0	66.0

Manual Integrations
 APPROVED

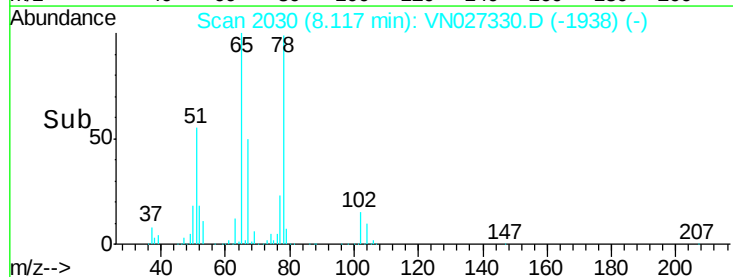
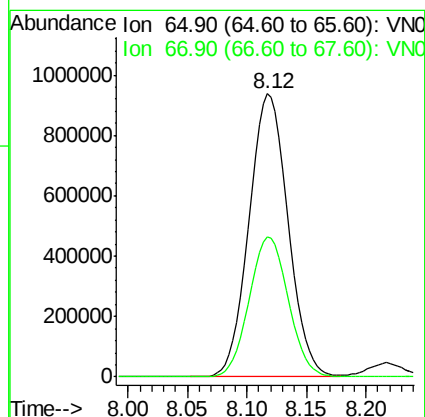
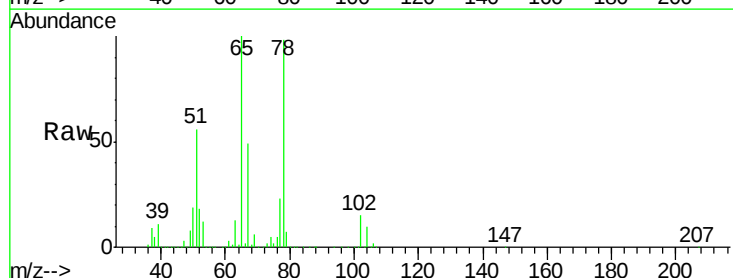
MMDadoda
 9/22/2015 2:28:03 PM

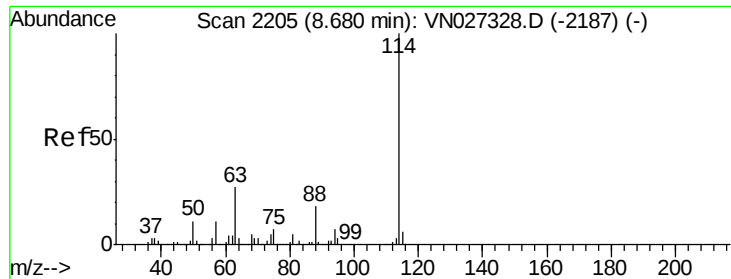


#34
 1,2-Dichloroethane-d4
 Concen: 183.34 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion: 65 Resp: 2134586

Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	110.6





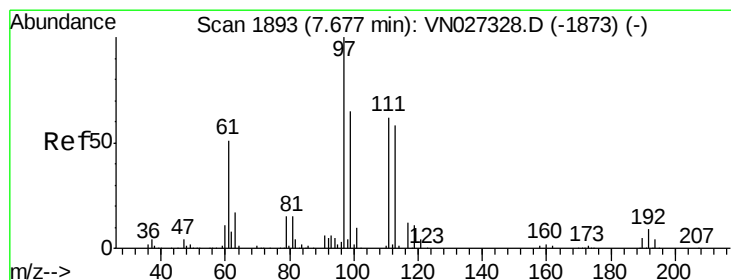
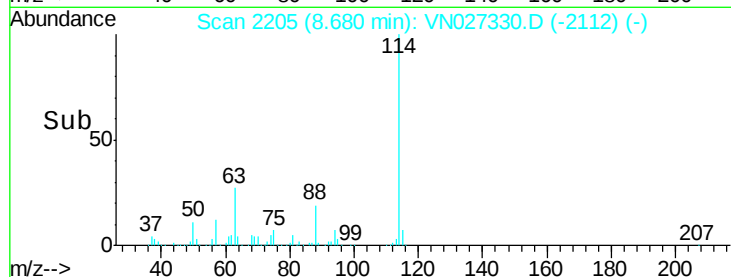
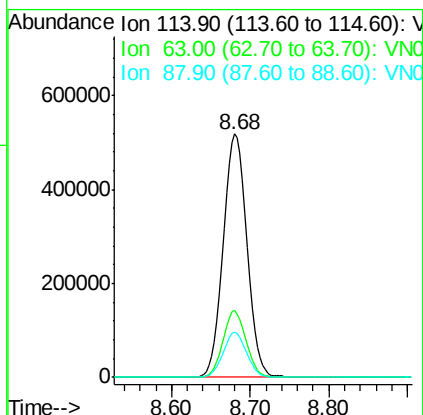
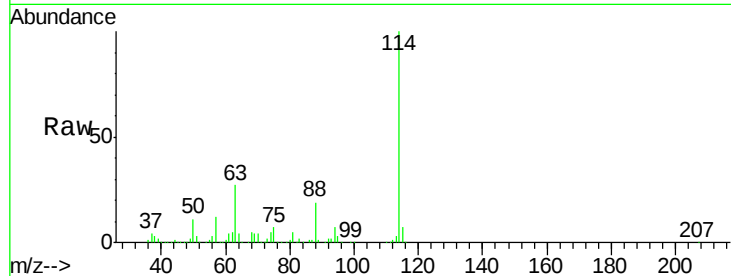
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	0.0	48.8
88	18.8	0.0	32.2

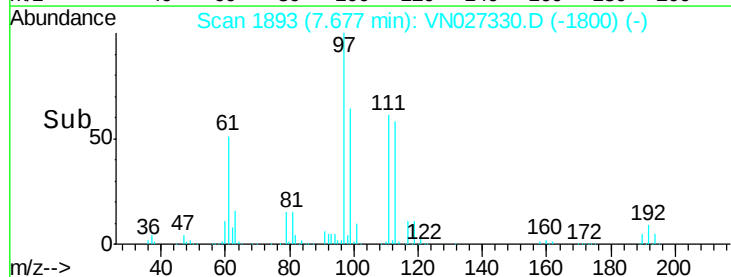
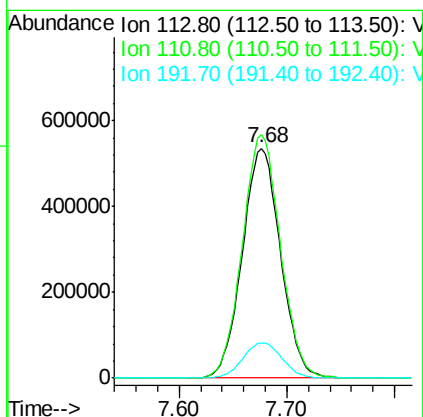
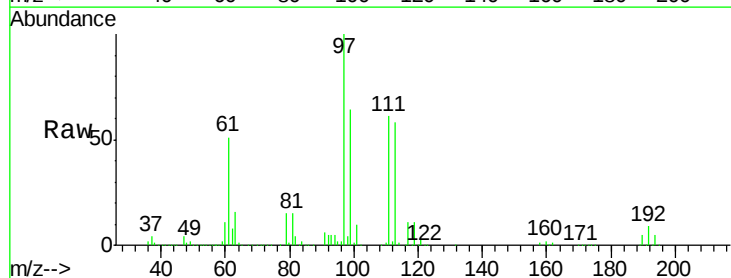
Manual Integrations
 APPROVED

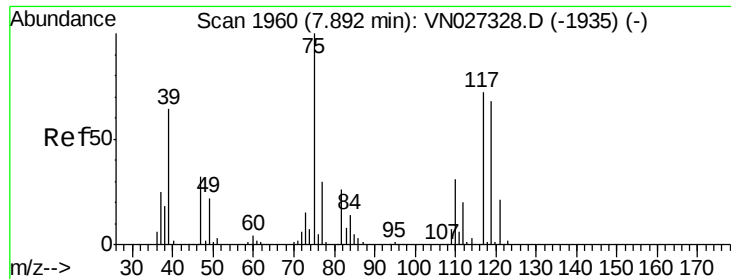
MMDadoda
 9/22/2015 2:28:03 PM



#36
 Dibromofluoromethane
 Concen: 176.54 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.0	83.0	124.4
192	15.8	14.1	21.1





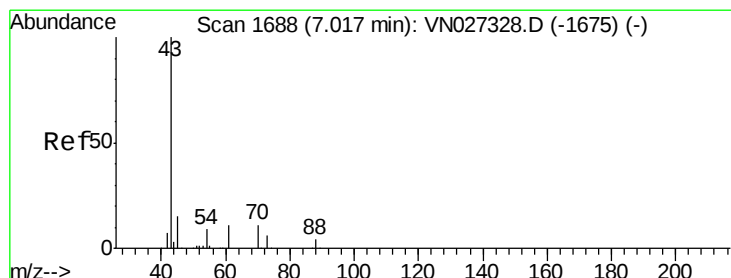
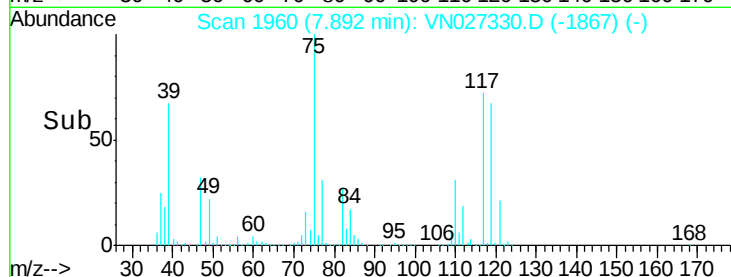
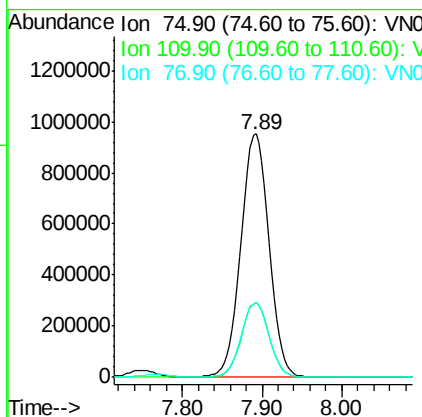
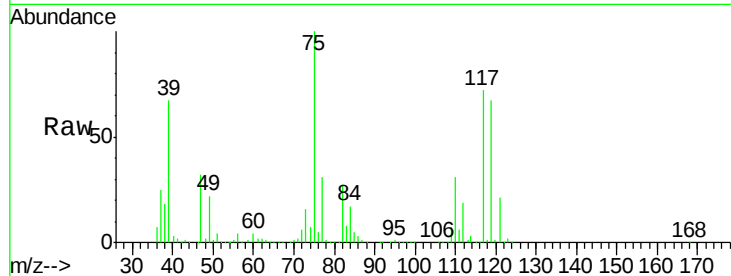
#37
 1,1-Dichloropropene
 Concen: 178.94 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion: 75 Resp: 2254746
 Ion Ratio Lower Upper
 75 100
 110 30.2 15.9 47.7
 77 30.4 24.9 37.3

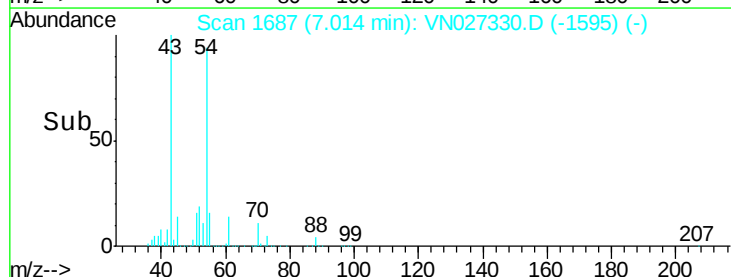
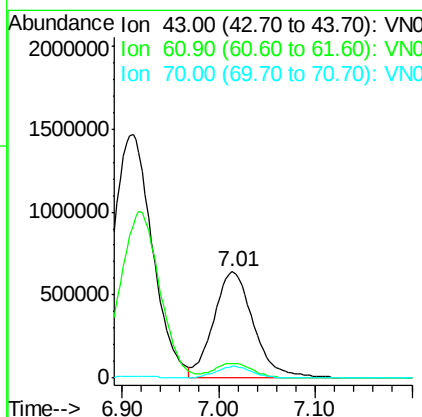
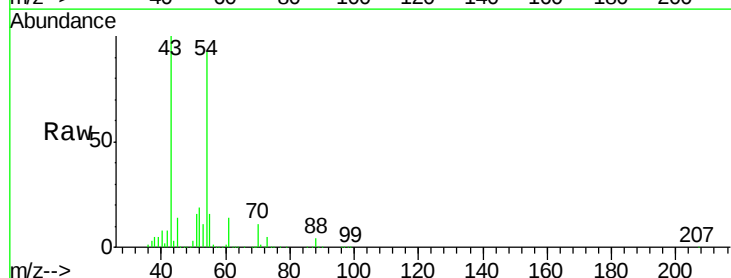
Manual Integrations
 APPROVED

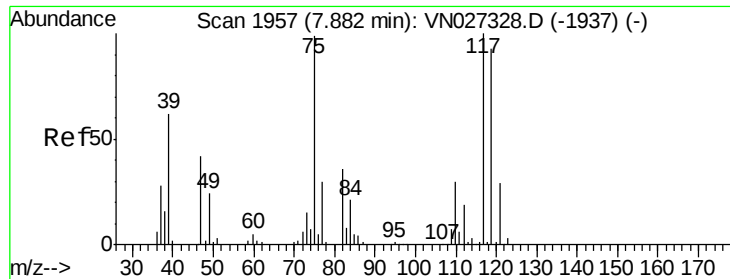
MMDadoda
 9/22/2015 2:28:03 PM



#38
 Ethyl Acetate
 Concen: 156.57 ug/l
 RT: 7.01 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion: 43 Resp: 1812864
 Ion Ratio Lower Upper
 43 100
 61 13.2 10.2 15.4
 70 10.3 7.4 11.0





#39

Carbon Tetrachloride

Concen: 175.99 ug/l

RT: 7.88 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC200

Tot Ion:117 Resp: 2084776

Ion Ratio Lower Upper

117 100

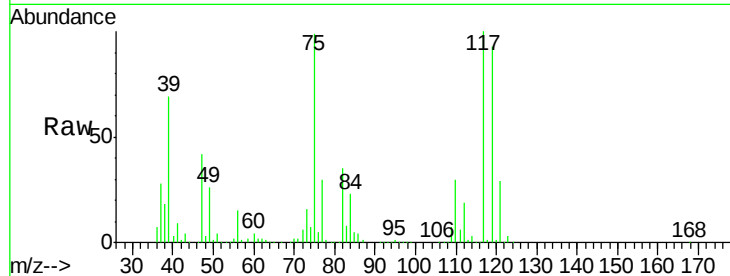
119 92.6 75.3 112.9

121 29.0 23.8 35.8

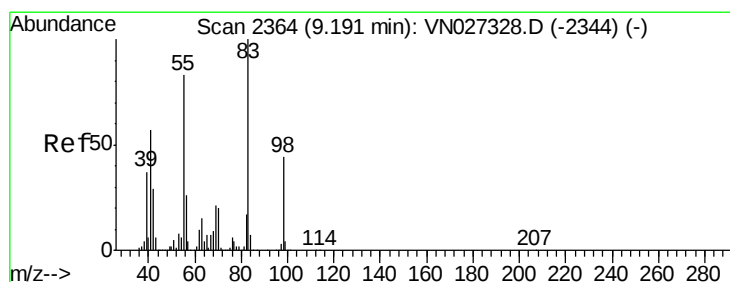
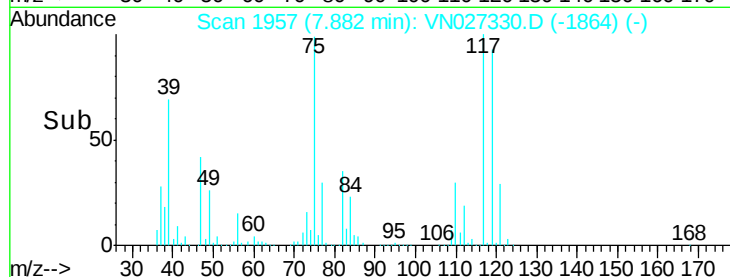
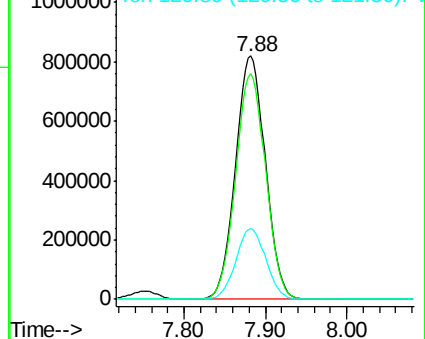
Manual Integrations
APPROVED

MMDadoda

9/22/2015 2:28:03 PM



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V



#40

Methylcyclohexane

Concen: 173.69 ug/l

RT: 9.19 min Scan# 2363

Delta R.T. -0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

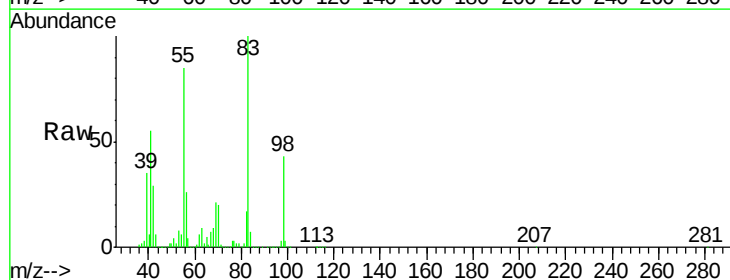
Tgt Ion: 83 Resp: 2665082

Ion Ratio Lower Upper

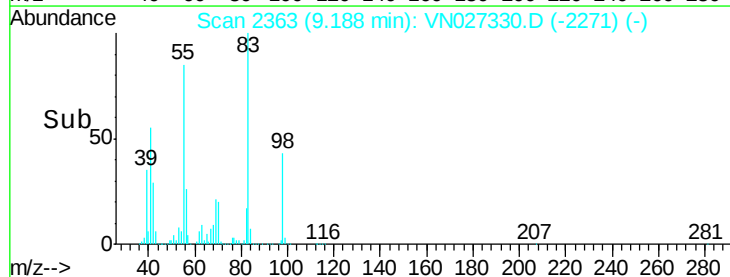
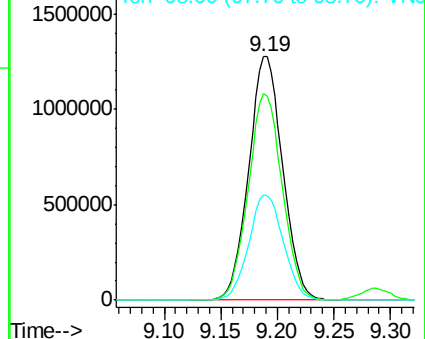
83 100

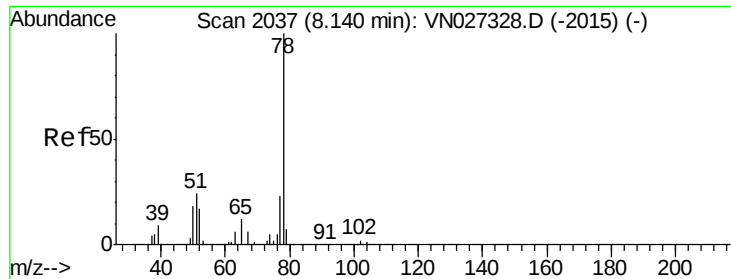
55 84.5 69.8 104.8

98 43.1 34.3 51.5



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#41

Benzene

Concen: 173.05 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 78 Resp: 6361826

Ion Ratio Lower Upper

78 100

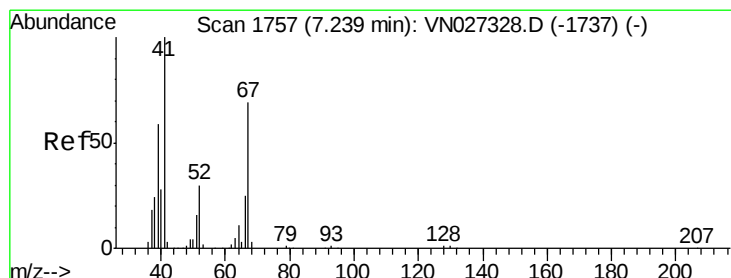
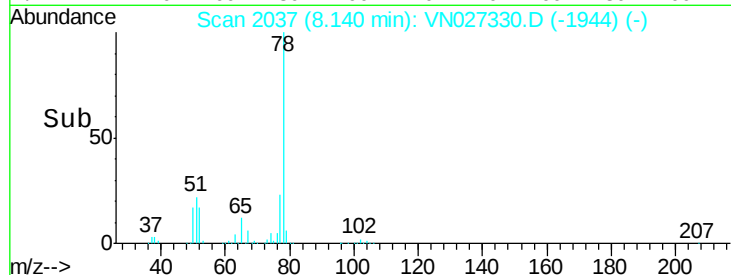
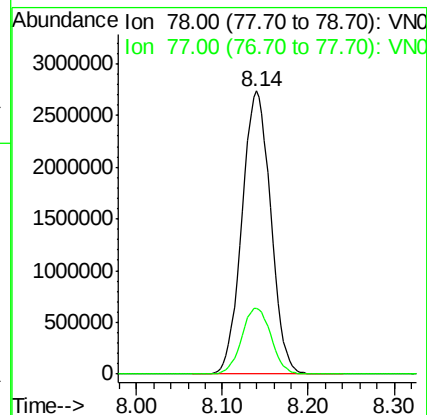
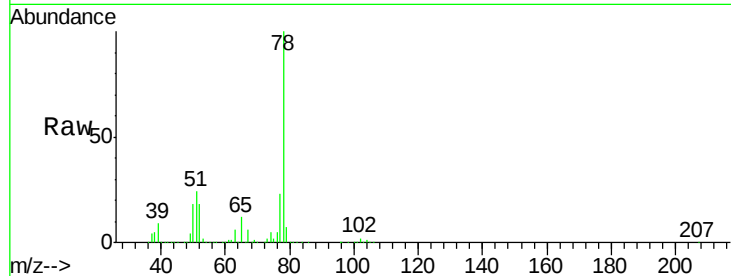
77 23.4 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



#42

Methacrylonitrile

Concen: 177.82 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Tgt Ion: 41 Resp: 1083078

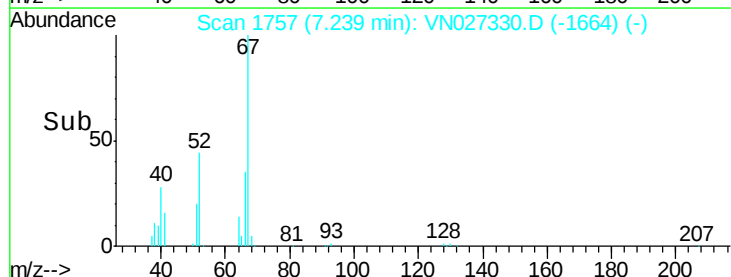
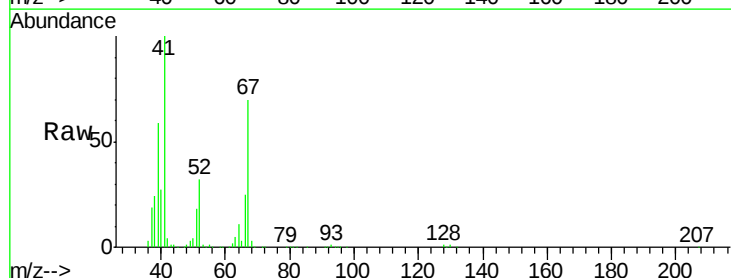
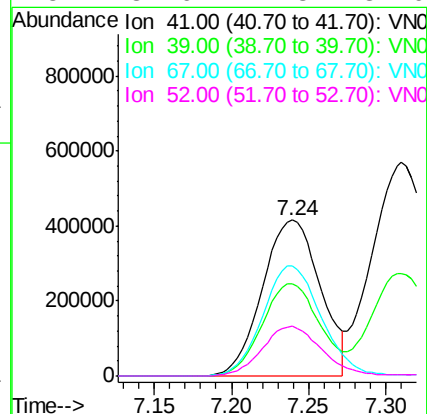
Ion Ratio Lower Upper

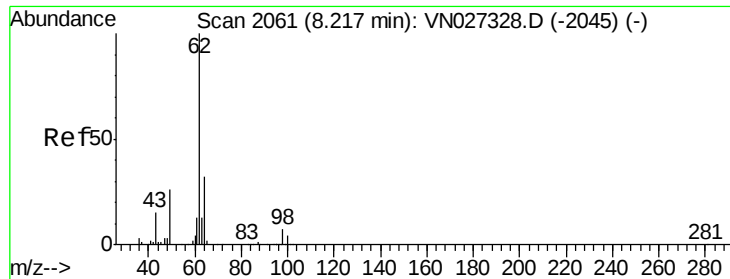
41 100

39 59.6 43.0 64.6

67 71.5 52.2 78.2

52 32.6 21.3 31.9#





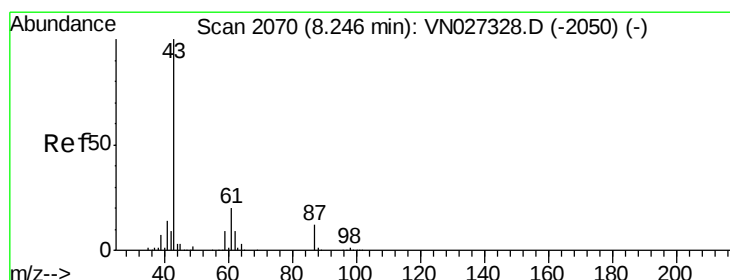
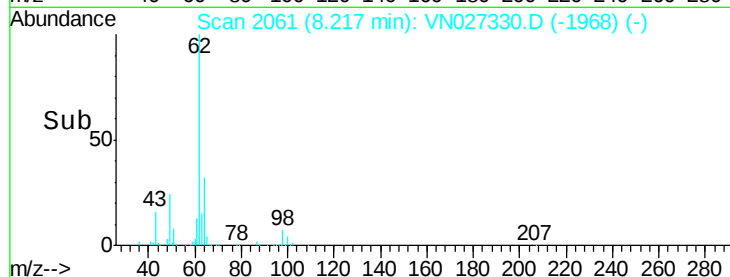
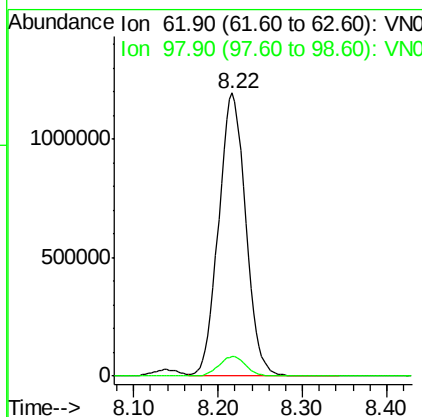
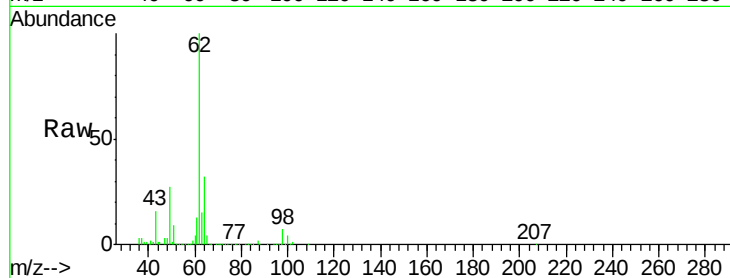
#43
 1,2-Dichloroethane
 Concen: 179.64 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC200

Tot Ion: 62 Resp: 2660470
 Ion Ratio Lower Upper
 62 100
 98 6.9 0.0 18.0

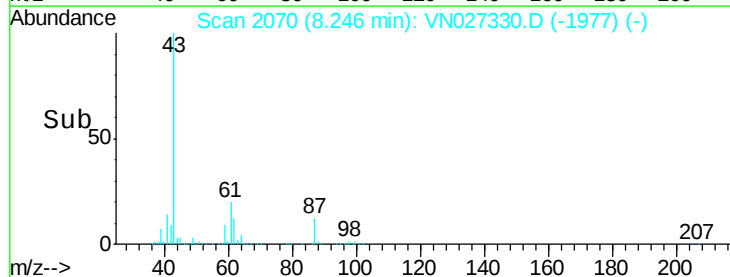
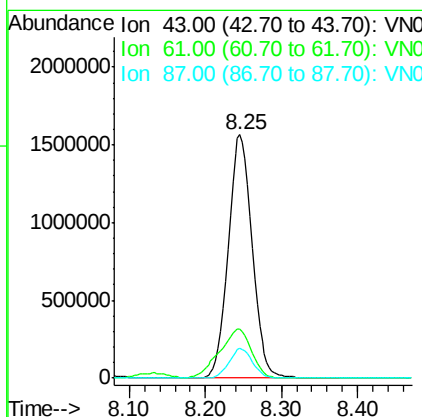
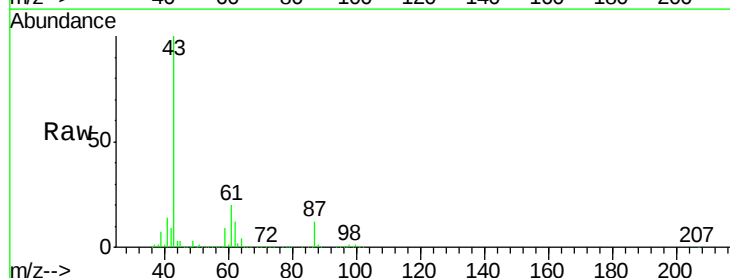
Manual Integrations
 APPROVED

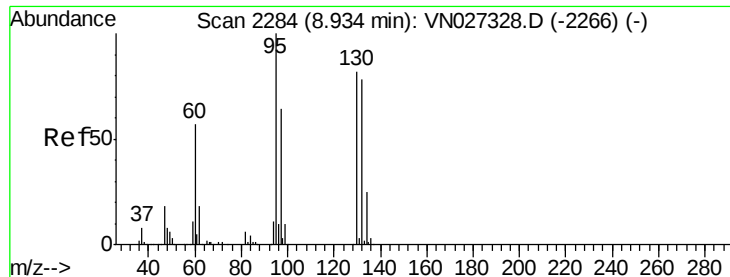
MMDadoda
 9/22/2015 2:28:03 PM



#44
 Isopropyl Acetate
 Concen: 169.86 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion: 43 Resp: 3420194
 Ion Ratio Lower Upper
 43 100
 61 26.8 20.6 31.0
 87 12.0 8.6 13.0





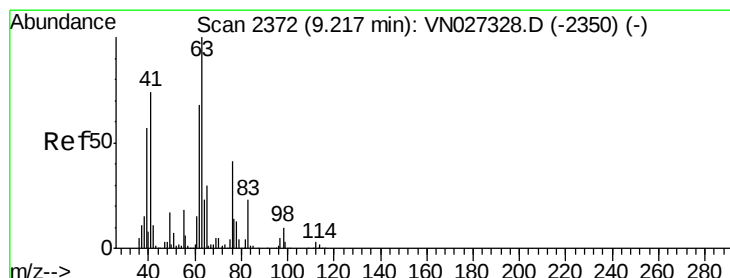
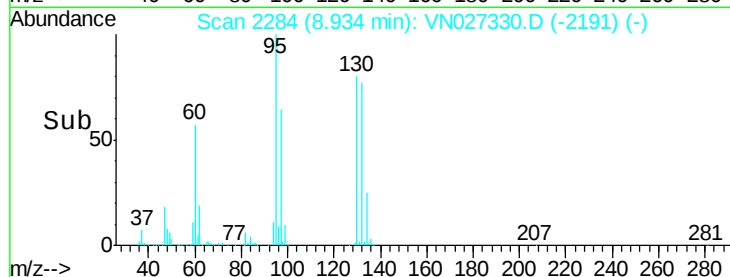
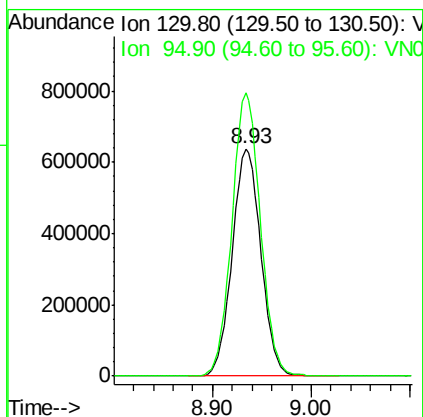
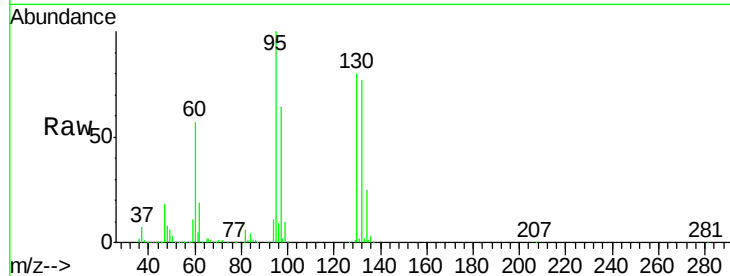
#45
 Trichloroethene
 Concen: 175.06 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion:130 Resp: 1292670
 Ion Ratio Lower Upper
 130 100
 95 124.7 0.0 222.2

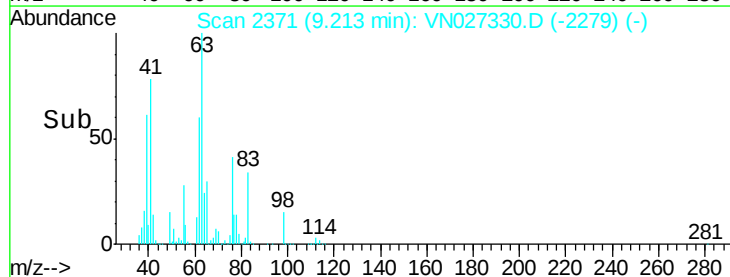
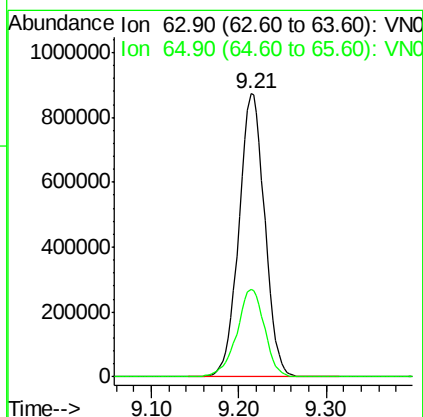
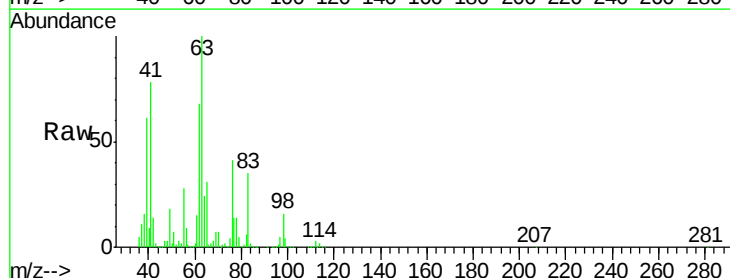
Manual Integrations
 APPROVED

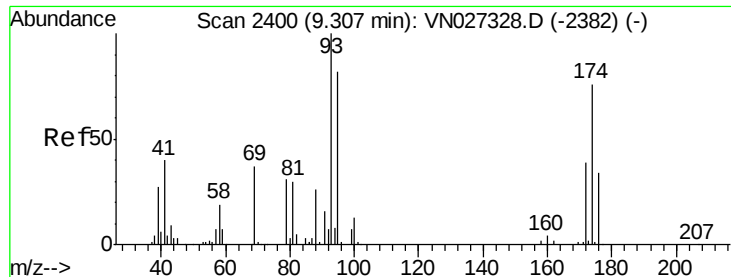
MMDadoda
 9/22/2015 2:28:03 PM



#46
 1,2-Dichloropropane
 Concen: 169.07 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion: 63 Resp: 1788190
 Ion Ratio Lower Upper
 63 100
 65 30.8 24.4 36.6





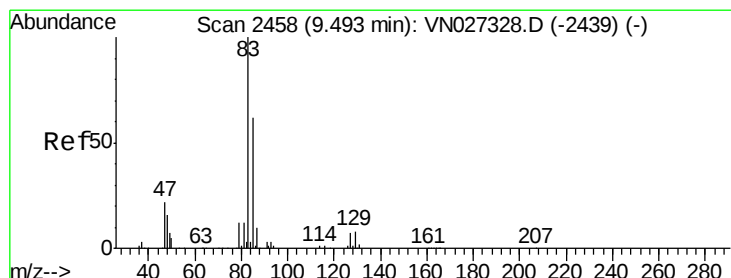
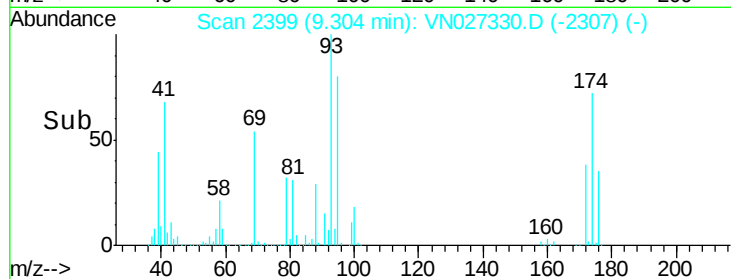
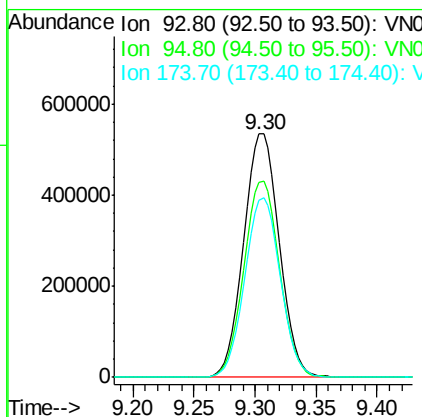
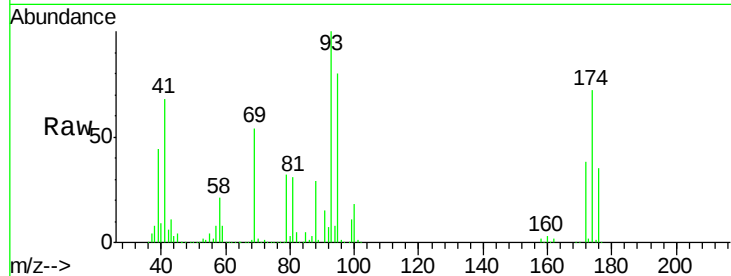
#47
Dibromomethane
Concen: 173.79 ug/l
RT: 9.30 min Scan# 2399
Delta R.T. -0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion: 93 Resp: 1079269
Ion Ratio Lower Upper
93 100
95 80.6 66.3 99.5
174 73.7 67.8 101.6

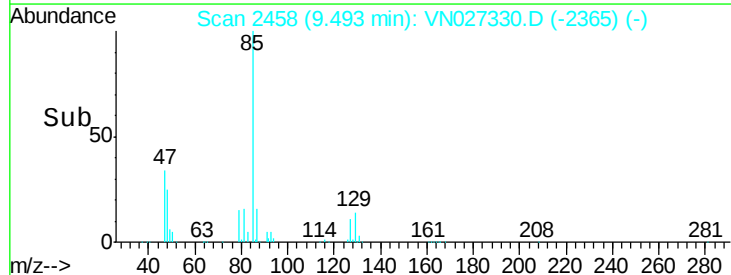
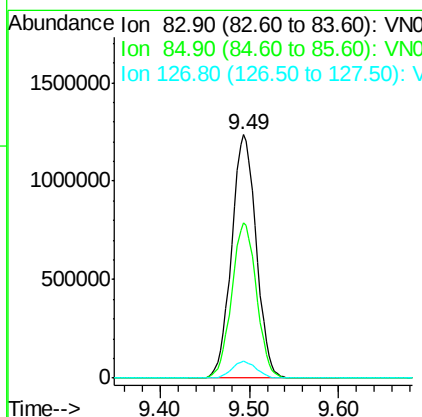
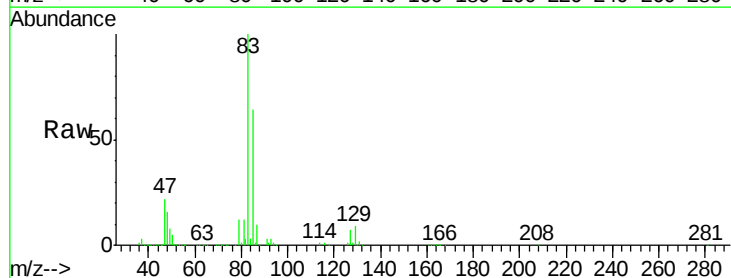
Manual Integrations
APPROVED

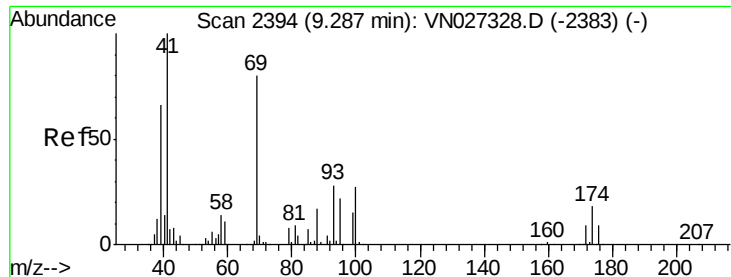
MMDadoda
9/22/2015 2:28:03 PM



#48
Bromodichloromethane
Concen: 180.11 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 83 Resp: 2357188
Ion Ratio Lower Upper
83 100
85 63.8 50.7 76.1
127 6.8 5.5 8.3





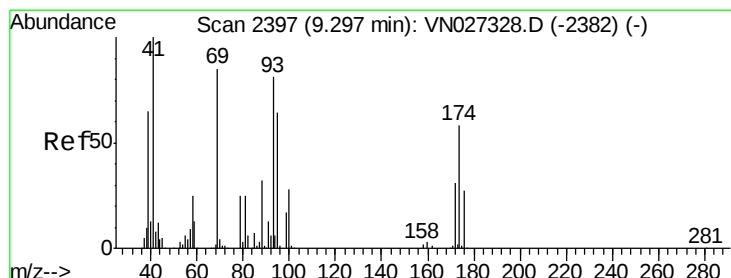
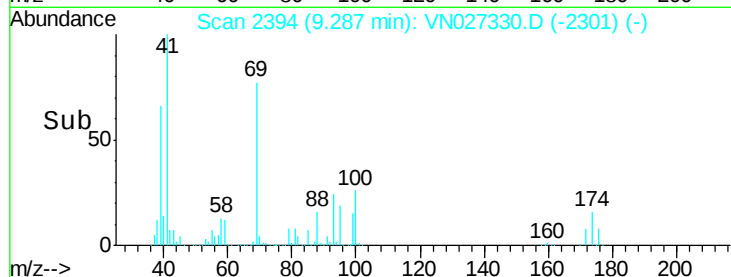
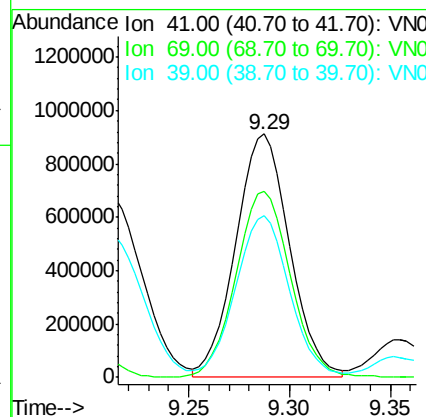
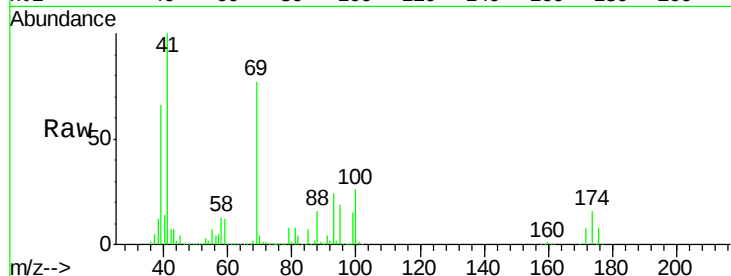
#49
Methyl methacrylate
Concen: 170.03 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampled :
VSTDIC200

Tot Ion: 41 Resp: 1705668
Ion Ratio Lower Upper
41 100
69 77.2 59.3 88.9
39 66.2 39.5 59.3#

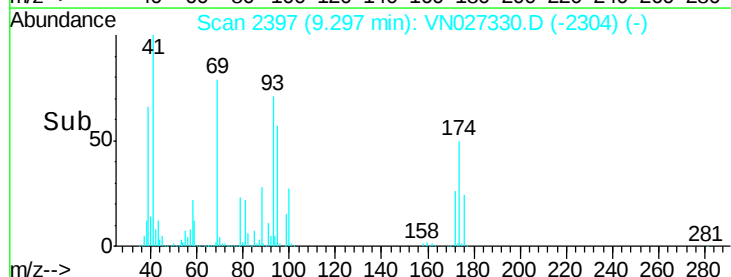
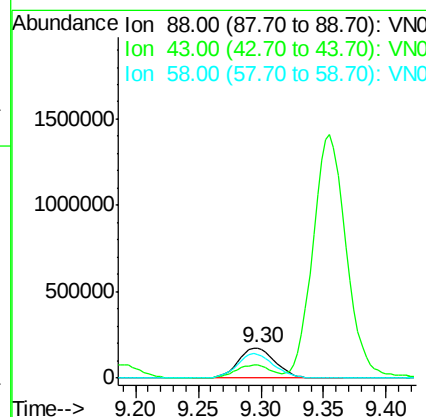
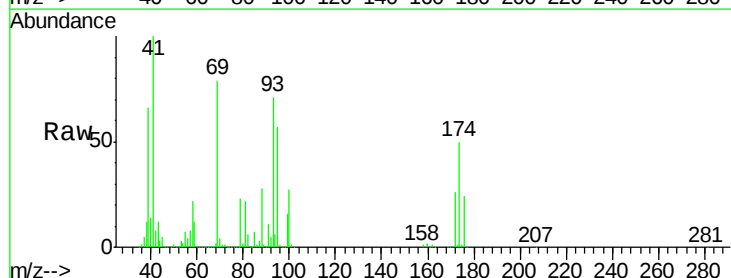
Manual Integrations
APPROVED

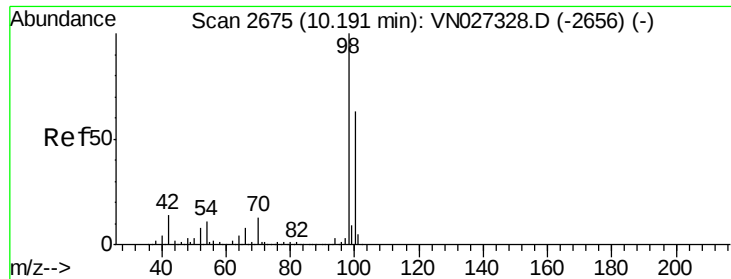
MMDadoda
9/22/2015 2:28:03 PM



#50
1,4-Dioxane
Concen: 3062.41 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 88 Resp: 360305
Ion Ratio Lower Upper
88 100
43 40.7 27.6 41.4
58 78.6 63.1 94.7





#51

Toluene-d8

Concen: 175.40 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 98 Resp: 5124142

Ion Ratio Lower Upper

98 100

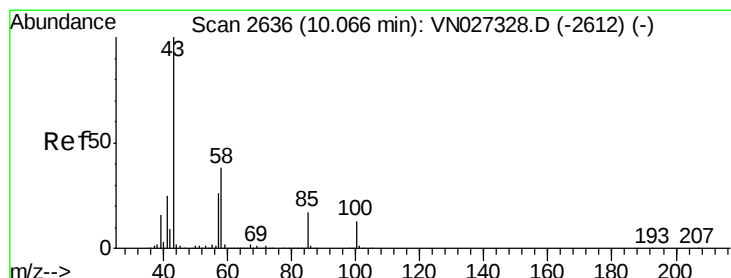
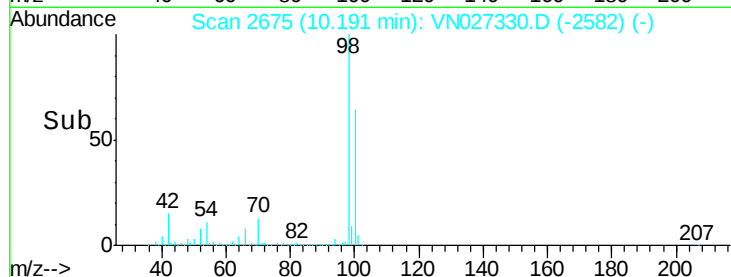
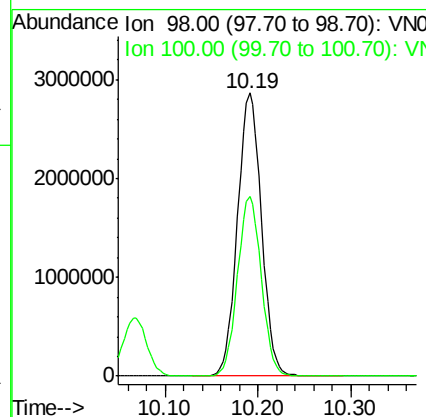
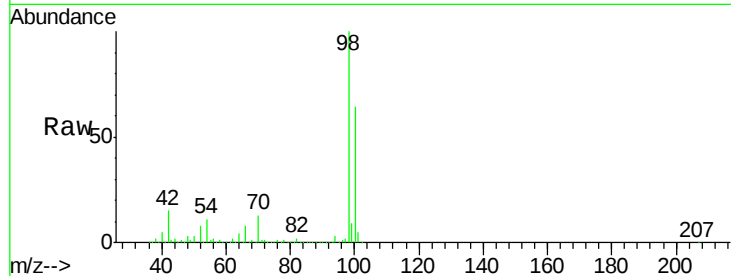
100 63.3 50.5 75.7

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



#52

4-Methyl-2-Pentanone

Concen: 799.05 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027330.D

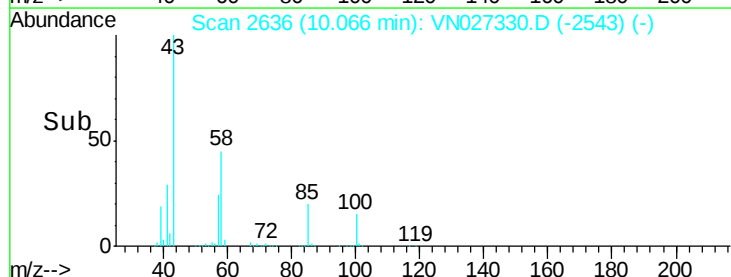
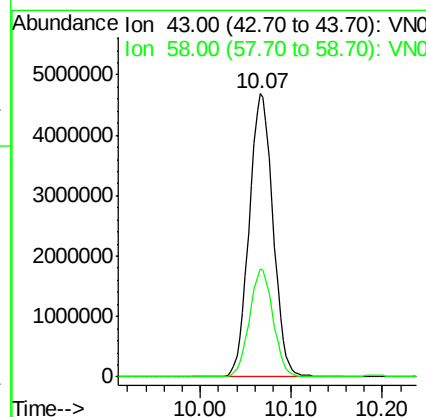
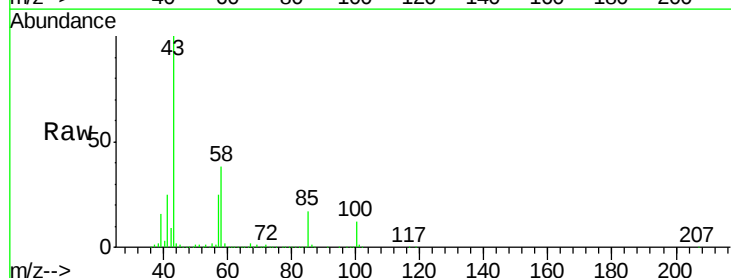
Acq: 21 Sep 2015 12:44

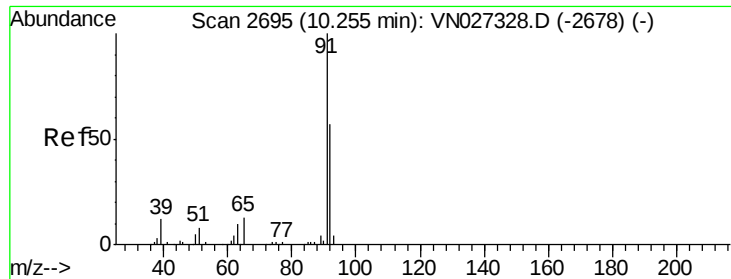
Tgt Ion: 43 Resp: 8506486

Ion Ratio Lower Upper

43 100

58 37.9 29.8 44.8





#53

Toluene

Concen: 177.94 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 92 Resp: 3831676

Ion Ratio Lower Upper

92 100

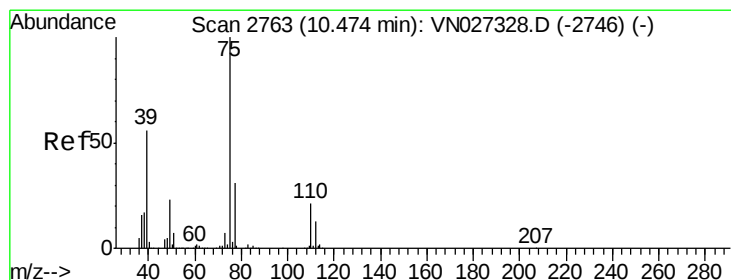
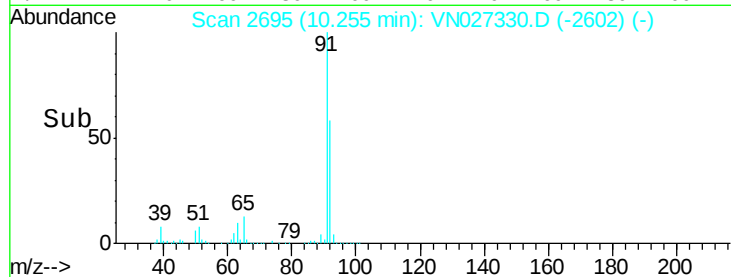
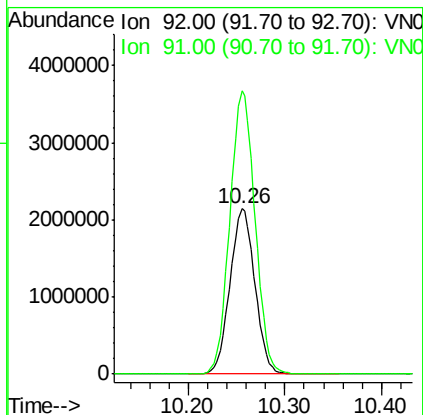
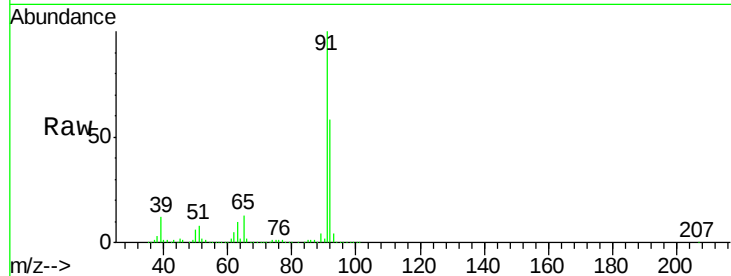
91 172.9 141.4 212.2

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



#54

t-1,3-Dichloropropene

Concen: 179.58 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027330.D

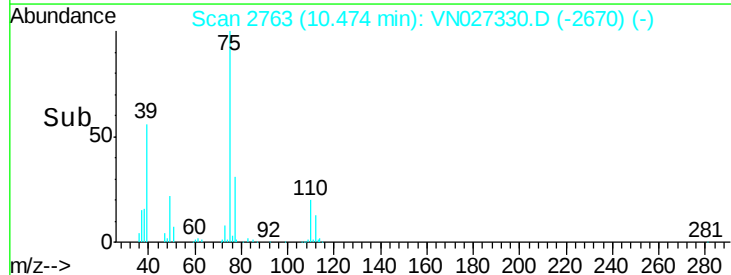
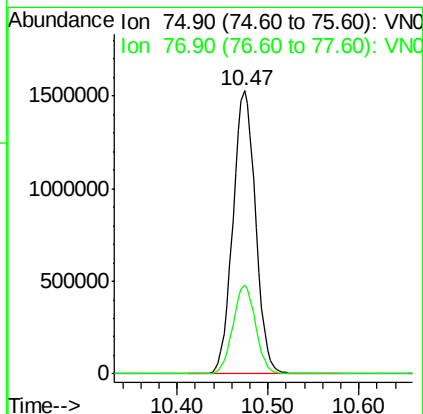
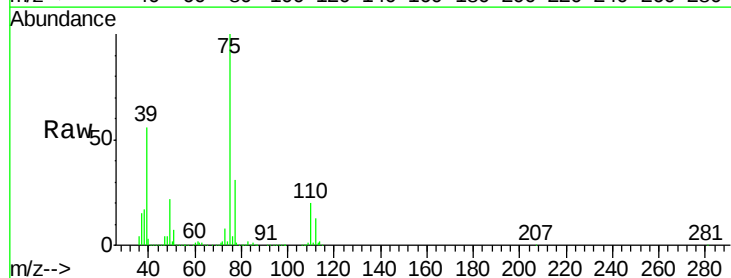
Acq: 21 Sep 2015 12:44

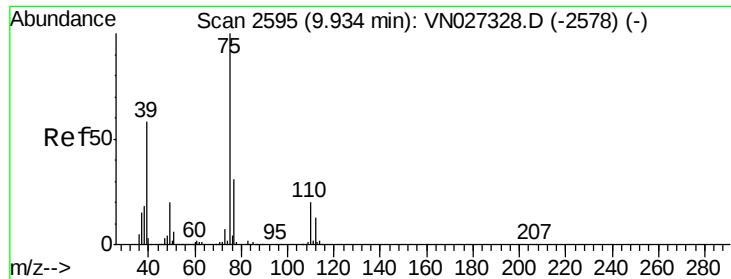
Tgt Ion: 75 Resp: 2639356

Ion Ratio Lower Upper

75 100

77 31.3 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 175.68 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 75 Resp: 2808862

Ion Ratio Lower Upper

75 100

77 30.5 25.6 38.4

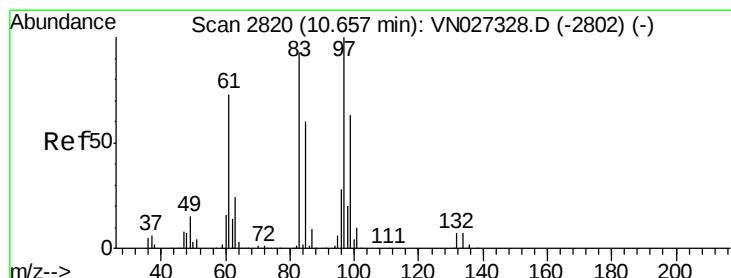
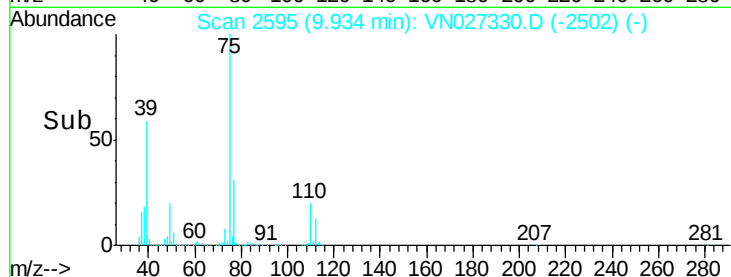
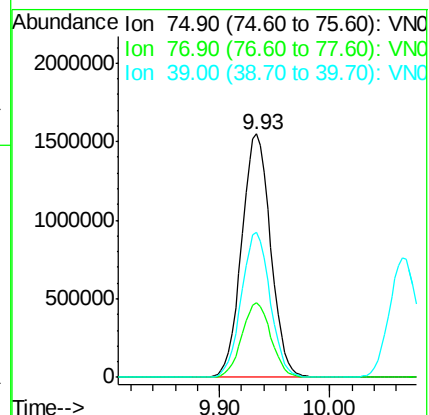
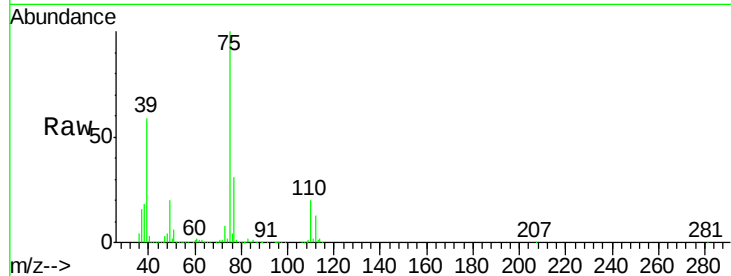
39 59.3 41.6 62.4

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM



#56

1,1,2-Trichloroethane

Concen: 174.81 ug/l

RT: 10.66 min Scan# 2820

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Tgt Ion: 97 Resp: 1414741

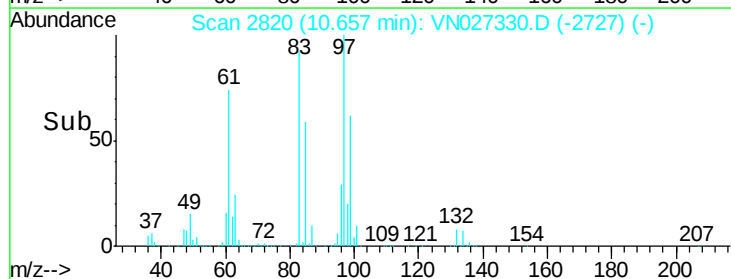
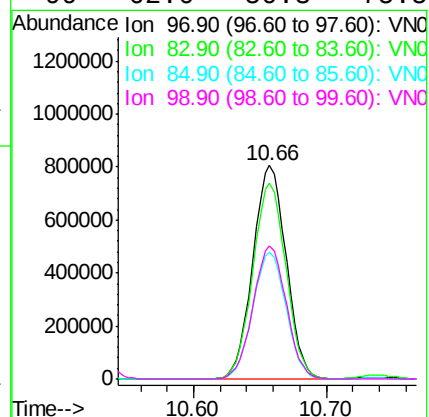
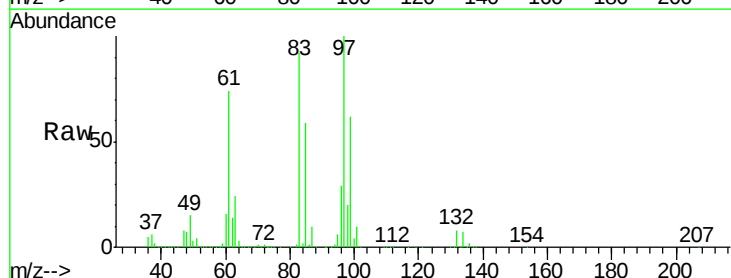
Ion Ratio Lower Upper

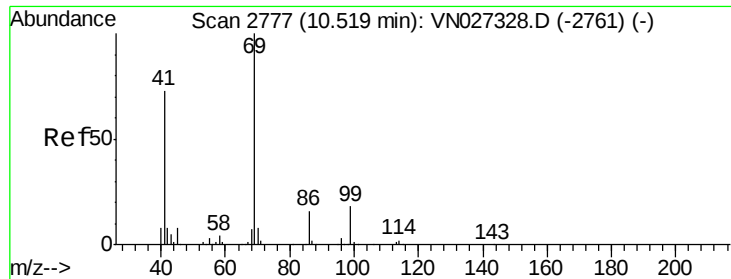
97 100

83 91.6 75.0 112.4

85 59.2 48.0 72.0

99 62.0 50.3 75.5





#57

Ethyl methacrylate

Concen: 171.65 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC200

Tot Ion: 69 Resp: 2341098

Ion Ratio Lower Upper

69 100

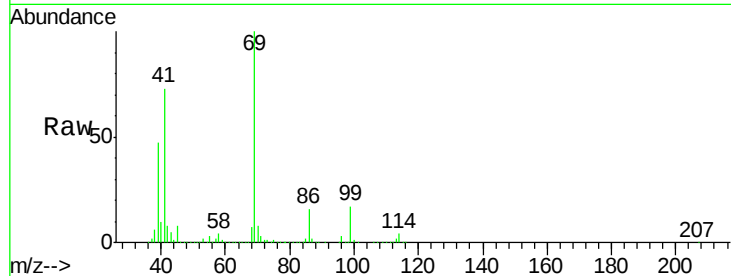
41 72.6 61.3 91.9

39 47.1 28.4 42.6#

Manual Integrations
APPROVED

MMDadoda

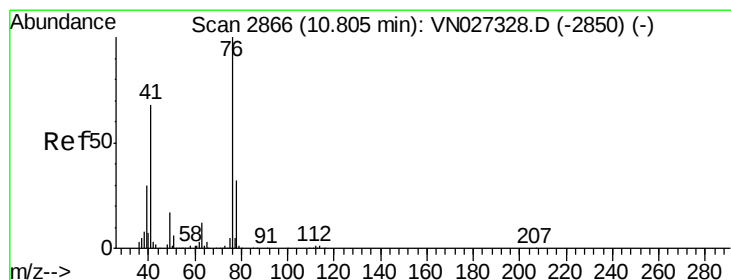
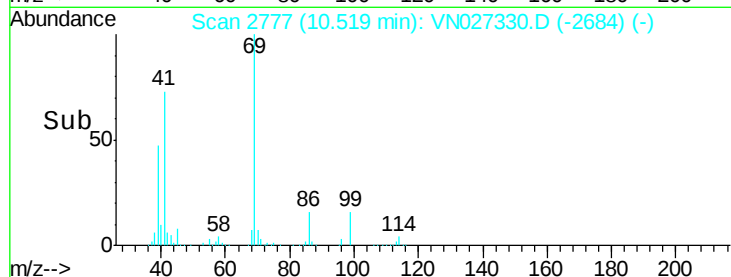
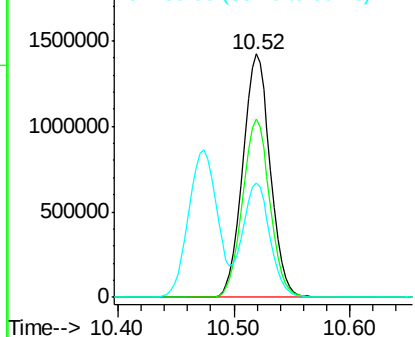
9/22/2015 2:28:03 PM



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

1,3-Dichloropropane

Concen: 173.53 ug/l

RT: 10.81 min Scan# 2866

Delta R.T. 0.00 min

Lab File: VN027330.D

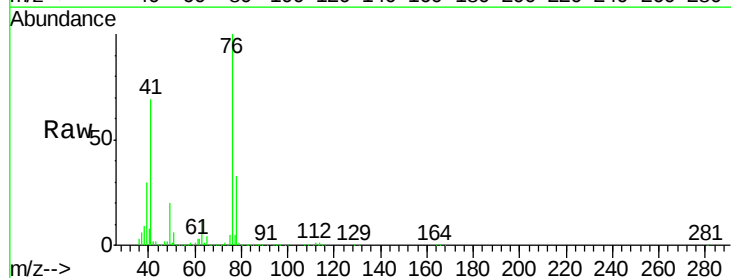
Acq: 21 Sep 2015 12:44

Tgt Ion: 76 Resp: 2607118

Ion Ratio Lower Upper

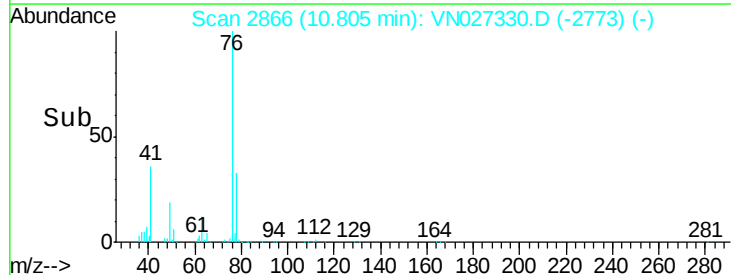
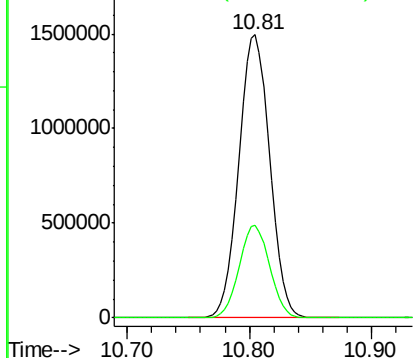
76 100

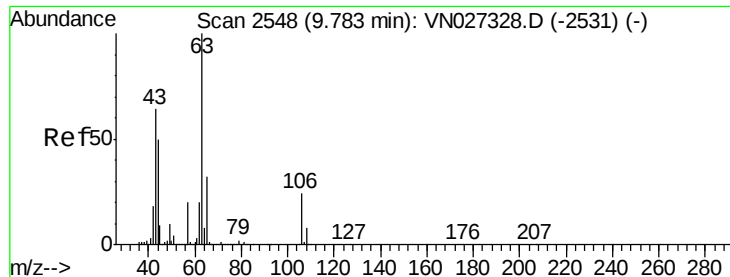
78 32.2 25.0 37.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





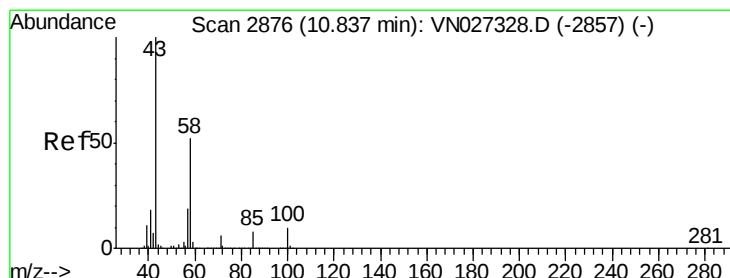
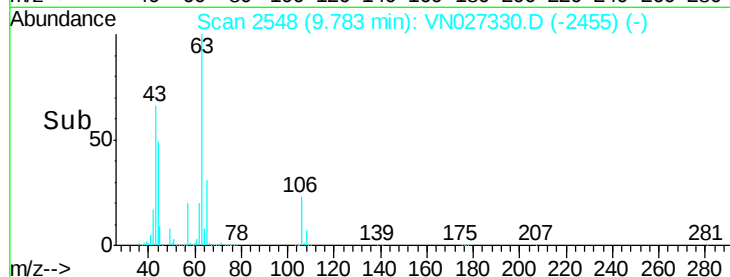
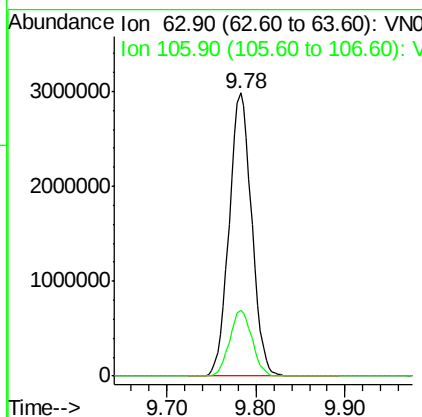
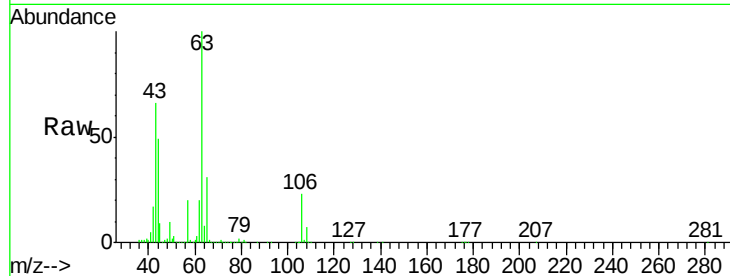
#59
2-Chloroethyl Vinyl ether
Concen: 830.70 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC200

Tot Ion: 63 Resp: 5201840
Ion Ratio Lower Upper
63 100
106 23.2 17.7 26.5

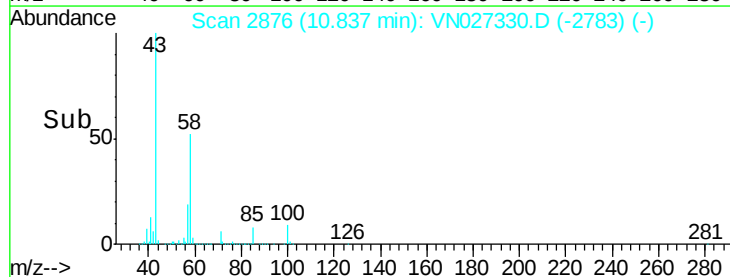
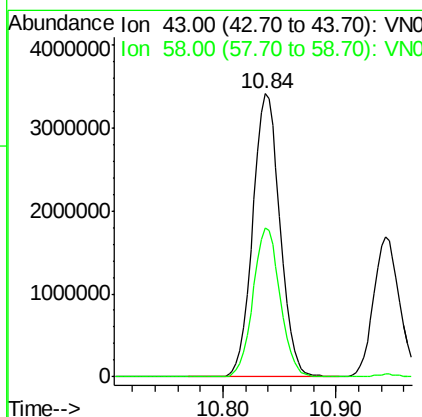
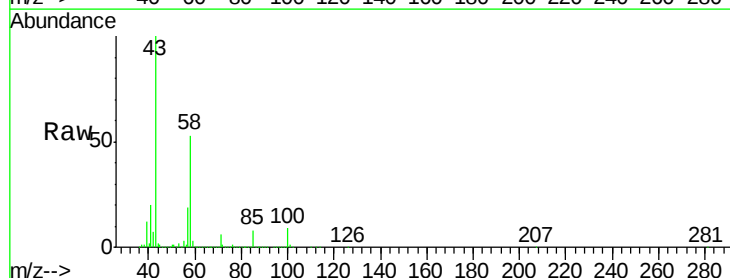
Manual Integrations
APPROVED

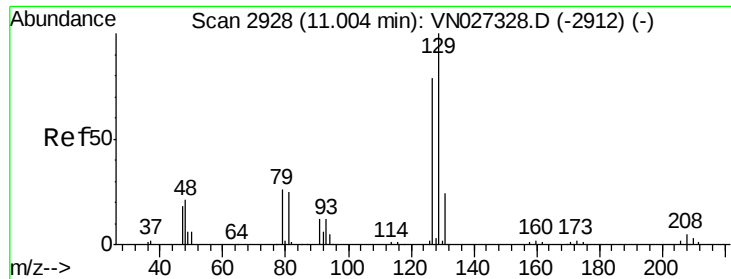
MMDadoda
9/22/2015 2:28:03 PM



#60
2-Hexanone
Concen: 786.72 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 43 Resp: 5702202
Ion Ratio Lower Upper
43 100
58 52.3 26.2 78.5





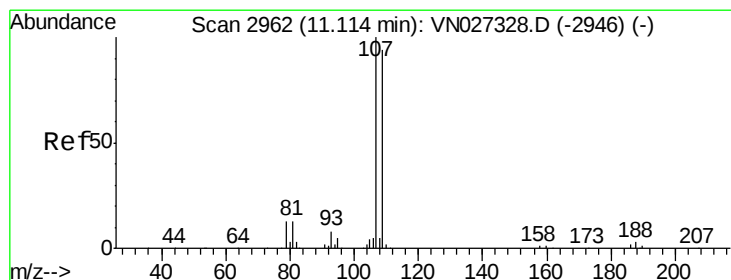
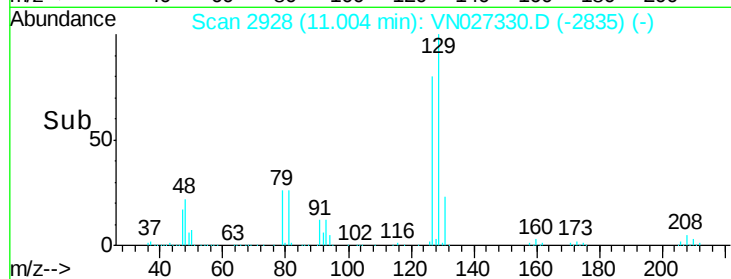
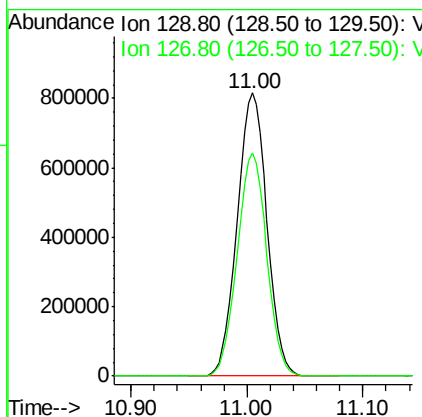
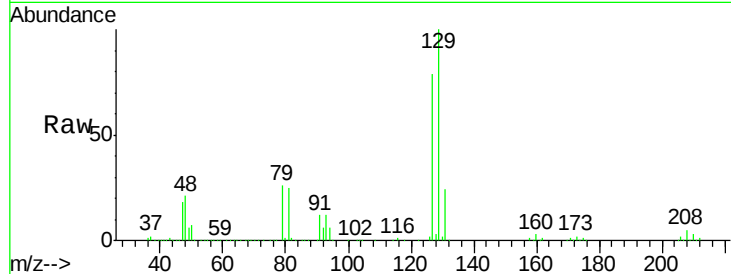
#61
 Dibromochloromethane
 Concen: 175.08 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion:129 Resp: 1446990
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.1 117.2

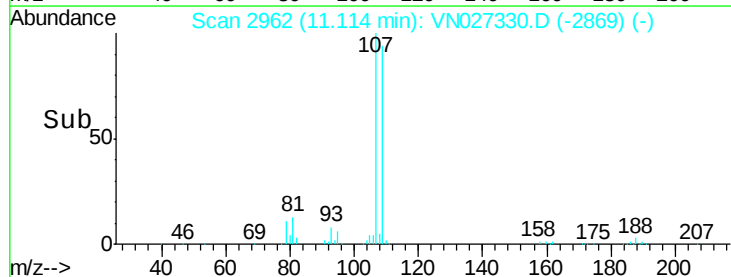
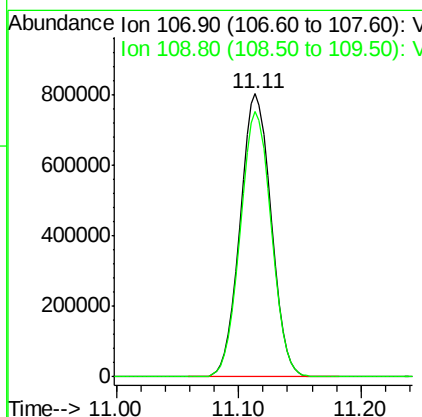
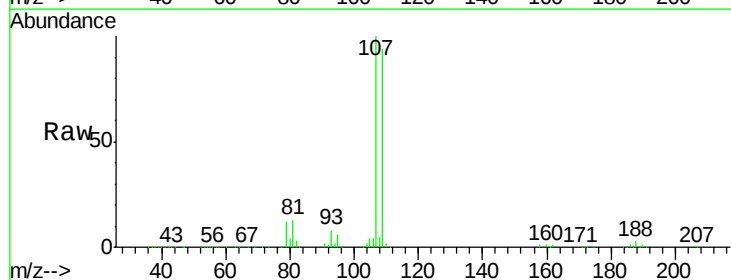
Manual Integrations
 APPROVED

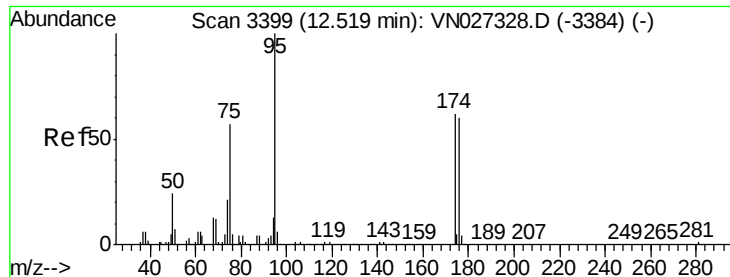
MMDadoda
 9/22/2015 2:28:03 PM



#62
 1,2-Dibromoethane
 Concen: 176.23 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion:107 Resp: 1401517
 Ion Ratio Lower Upper
 107 100
 109 94.1 75.6 113.4





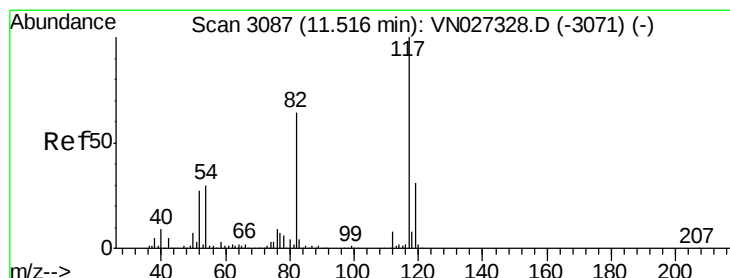
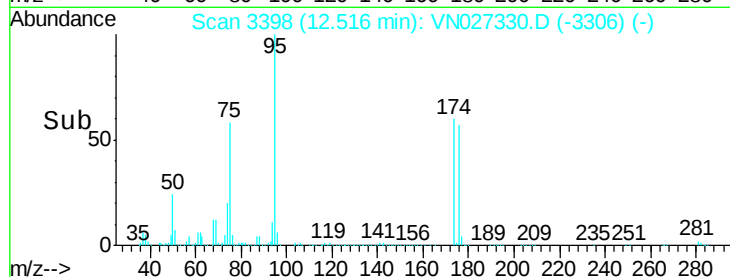
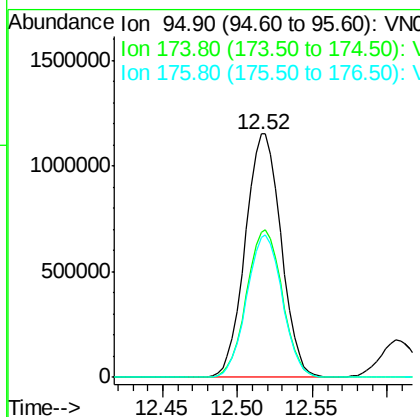
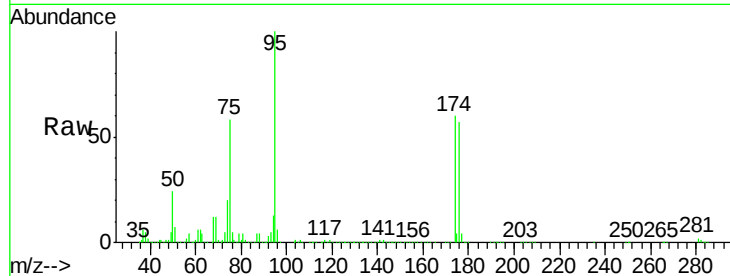
#63
4-Bromofluorobenzene
Concen: 185.59 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC200

Tot Ion	Ratio	Lower	Upper
95	100		
174	60.3	0.0	137.0
176	58.1	0.0	130.8

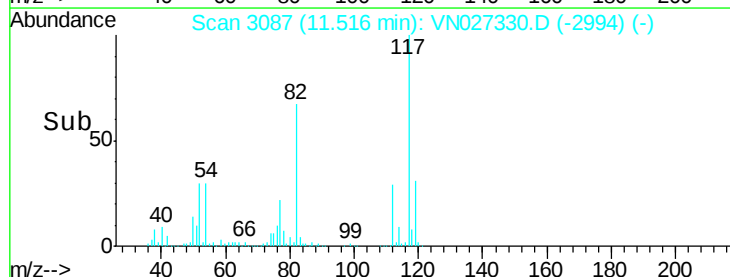
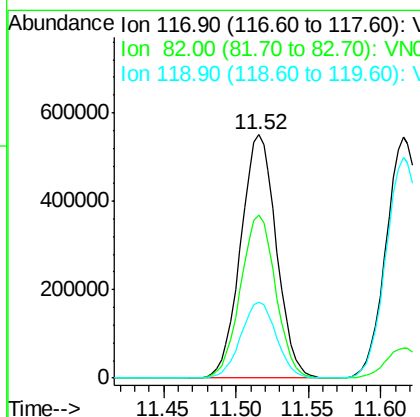
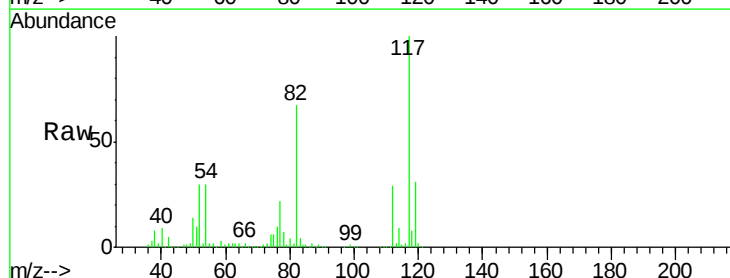
Manual Integrations
APPROVED

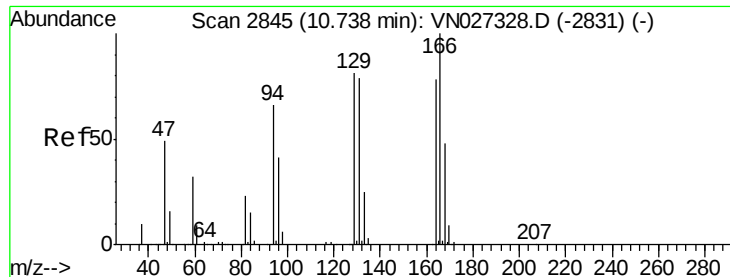
MMDadoda
9/22/2015 2:28:03 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.7	49.6	74.4
119	31.4	24.6	36.8





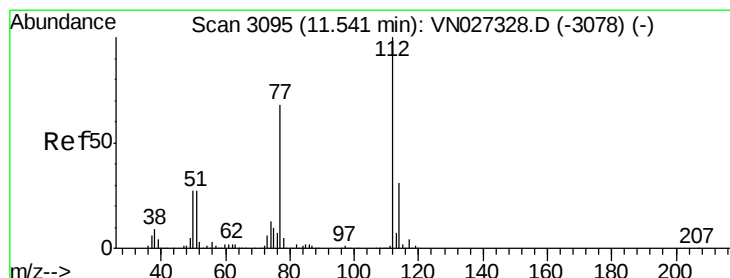
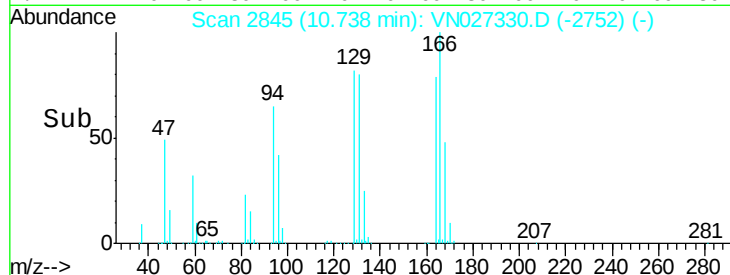
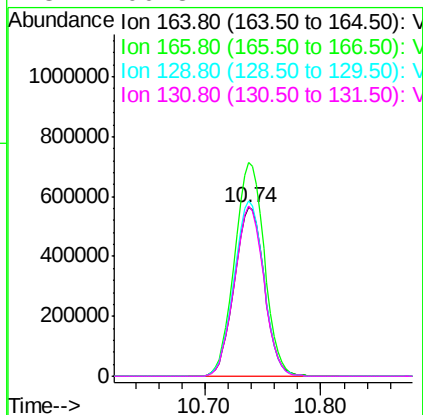
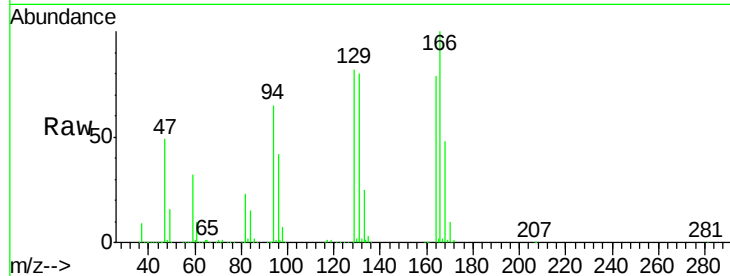
#65
Tetrachloroethene
Concen: 167.33 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.4	155.0
129	104.2	77.5	116.3
131	100.8	74.2	111.4

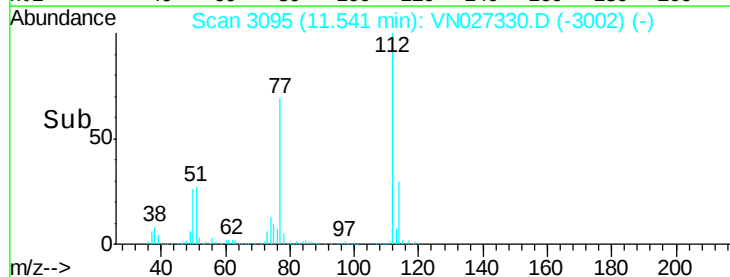
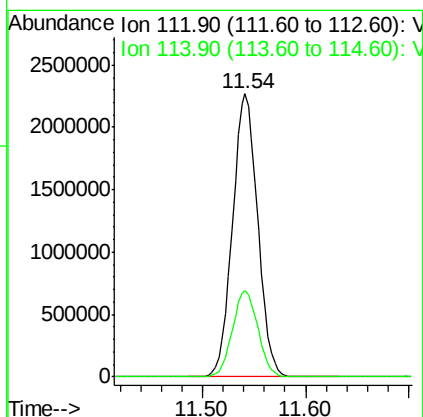
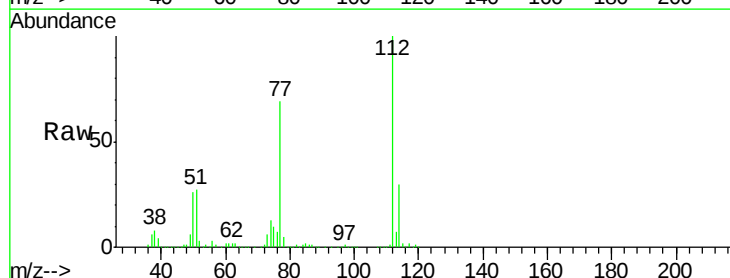
Manual Integrations
APPROVED

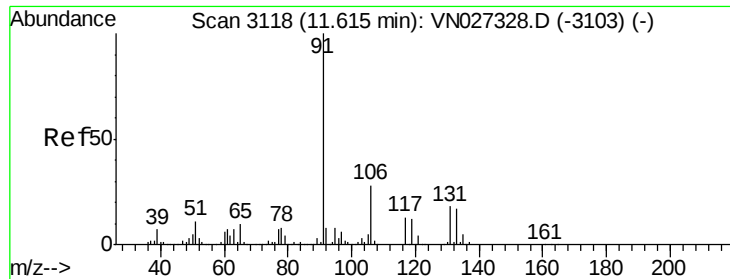
MMDadoda
9/22/2015 2:28:03 PM



#66
Chlorobenzene
Concen: 173.52 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.3	24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 168.62 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:131 Resp: 1277081

Ion Ratio Lower Upper

131 100

133 94.5 47.0 141.2

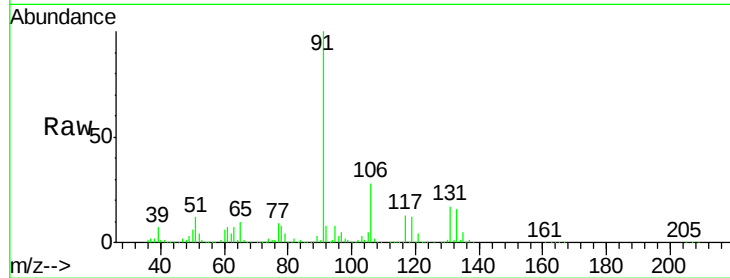
119 67.8 35.1 105.5

Manual Integrations

APPROVED

MMDadoda

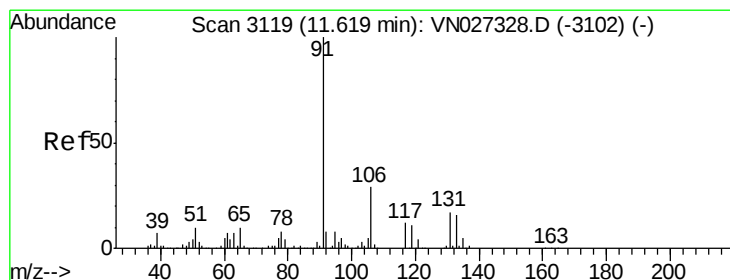
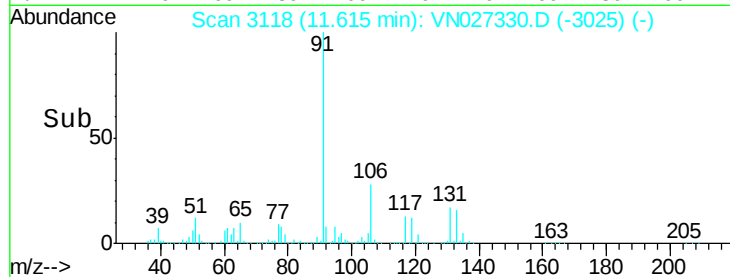
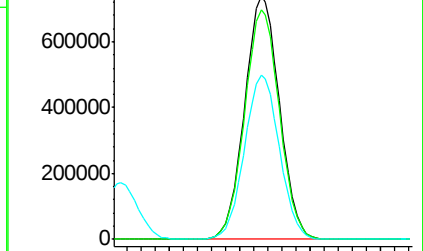
9/22/2015 2:28:03 PM



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#68

Ethyl Benzene

Concen: 174.50 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027330.D

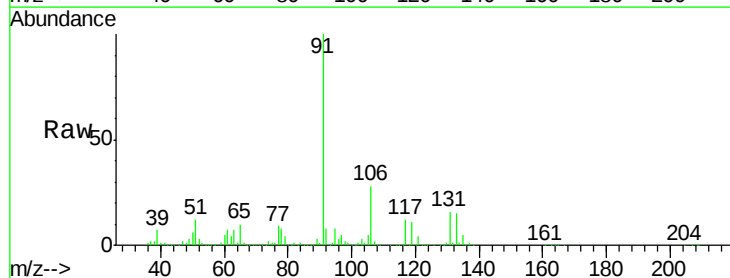
Acq: 21 Sep 2015 12:44

Tgt Ion: 91 Resp: 7347161

Ion Ratio Lower Upper

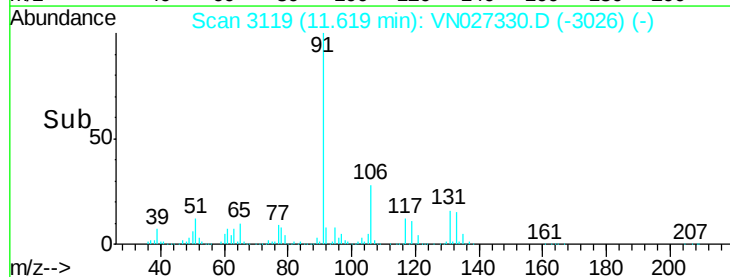
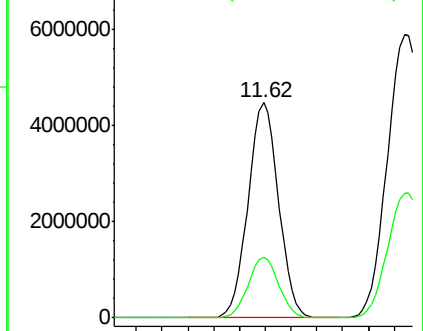
91 100

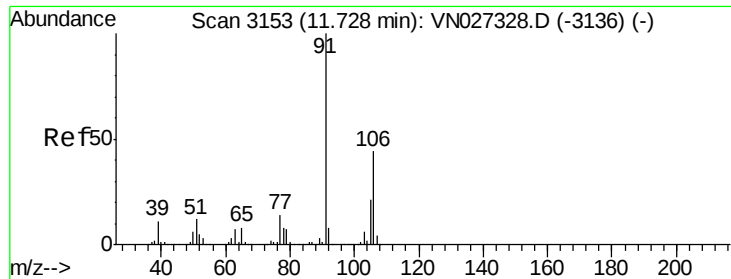
106 28.3 23.1 34.7



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 106.00 (105.70 to 106.70): V





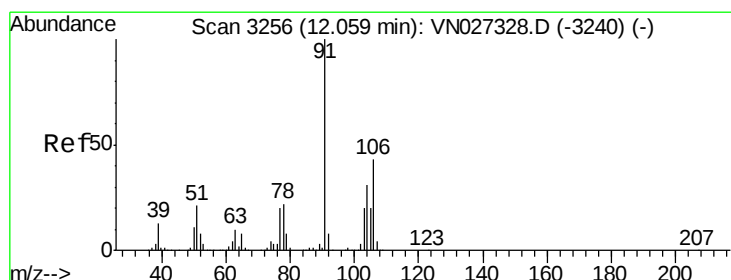
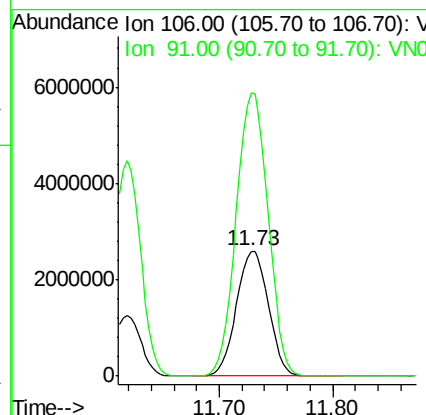
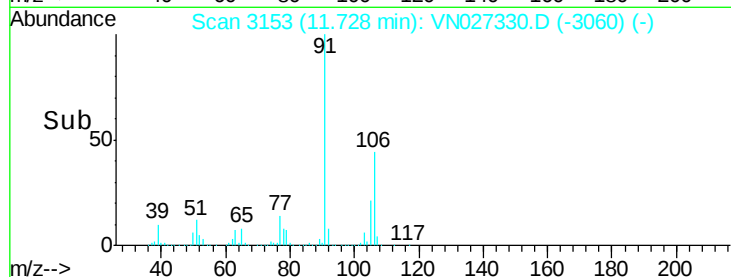
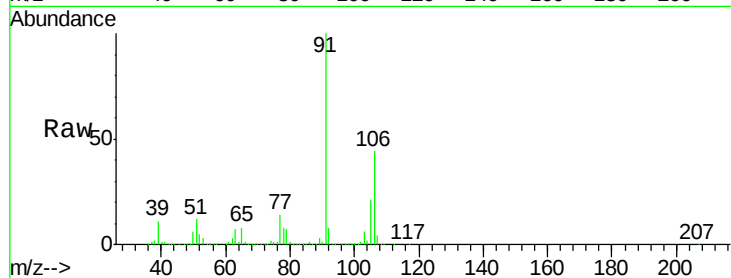
#69
m/p-Xylenes
Concen: 351.33 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion:106 Resp: 5103792
Ion Ratio Lower Upper
106 100
91 226.5 167.1 250.7

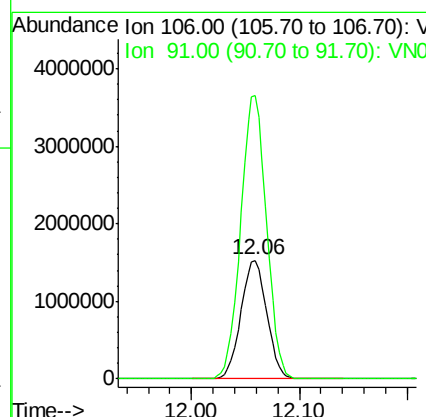
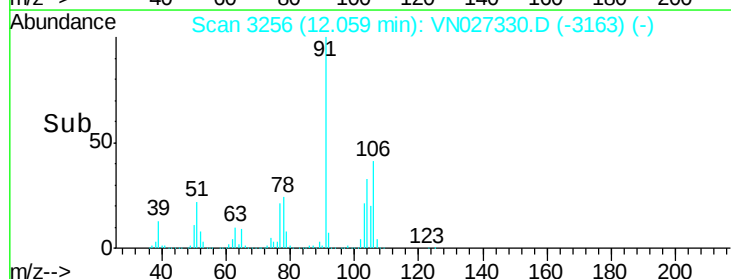
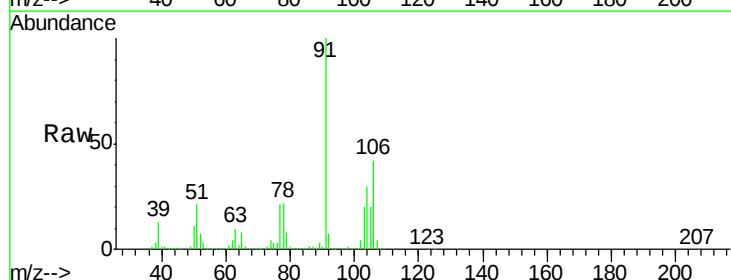
Manual Integrations
APPROVED

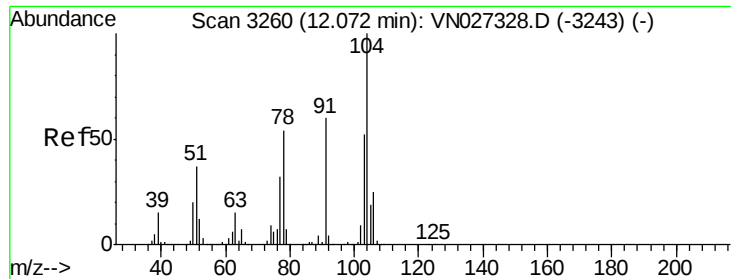
MMDadoda
9/22/2015 2:28:03 PM



#70
o-Xylene
Concen: 175.47 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion:106 Resp: 2555214
Ion Ratio Lower Upper
106 100
91 237.8 110.7 331.9





#71

Stvrene

Concen: 182.65 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:104 Resp: 4294008

Ion Ratio Lower Upper

104 100

78 60.1 41.6 62.4

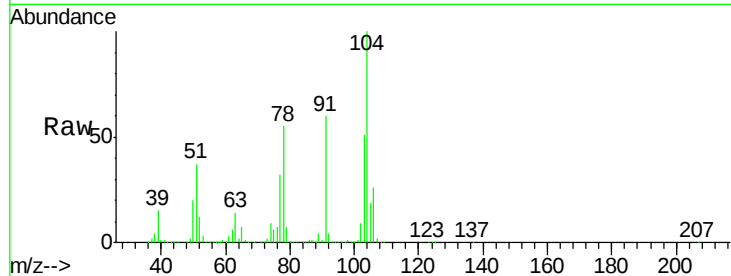
103 55.3 44.2 66.2

Manual Integrations

APPROVED

MMDadoda

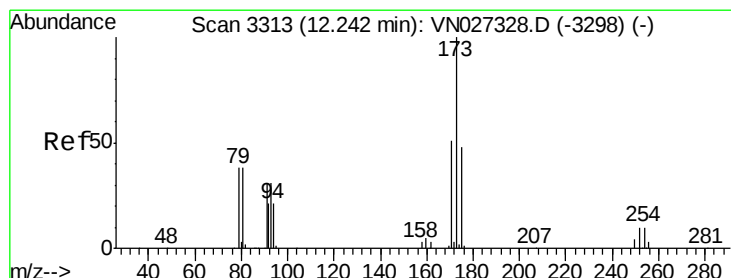
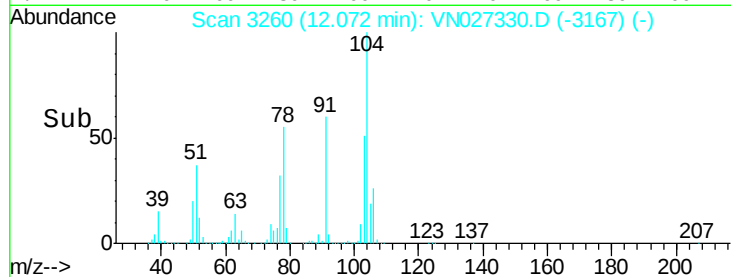
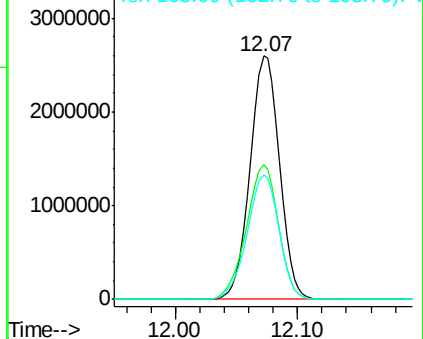
9/22/2015 2:28:03 PM



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 170.41 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

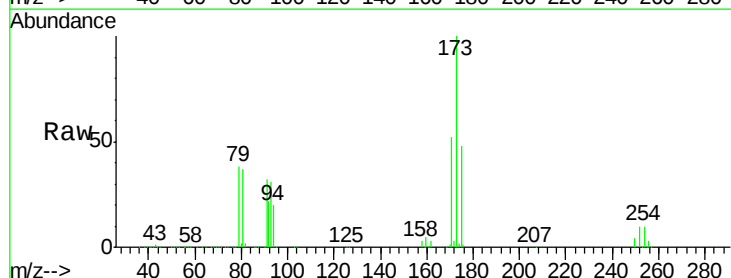
Tgt Ion:173 Resp: 897558

Ion Ratio Lower Upper

173 100

175 47.9 24.4 73.4

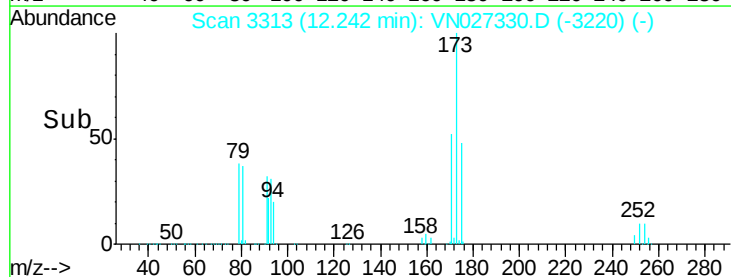
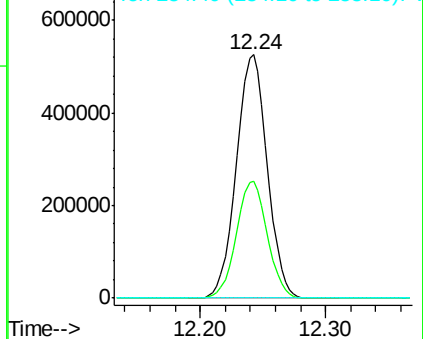
254 0.2 0.1 0.1#

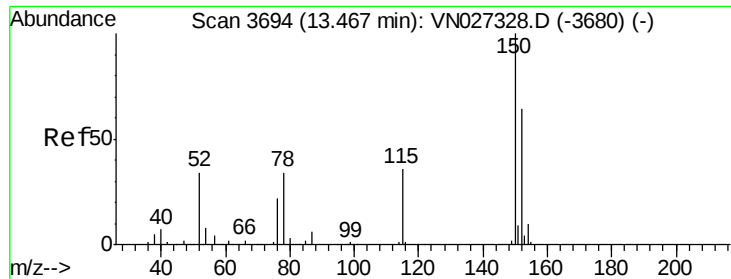


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC200

Tot Ion:152 Resp: 373539

Ion Ratio Lower Upper

152 100

115 69.8 30.8 92.3

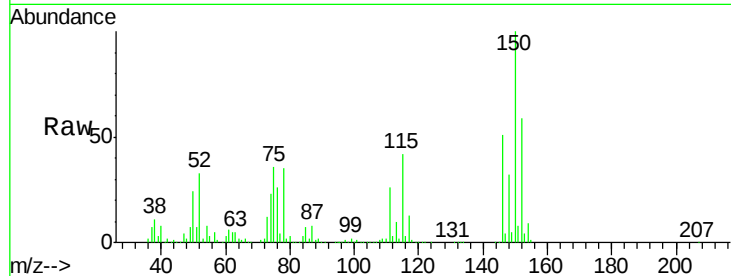
150 224.8 0.0 345.0

Manual Integrations

APPROVED

MMDadoda

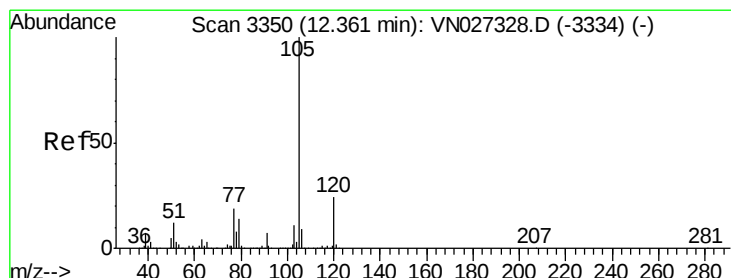
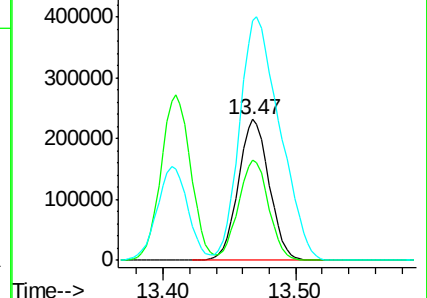
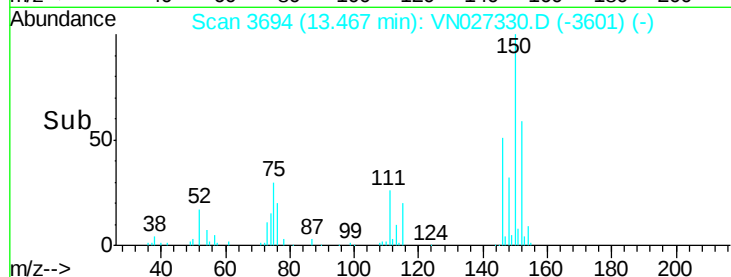
9/22/2015 2:28:03 PM



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: 167.73 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027330.D

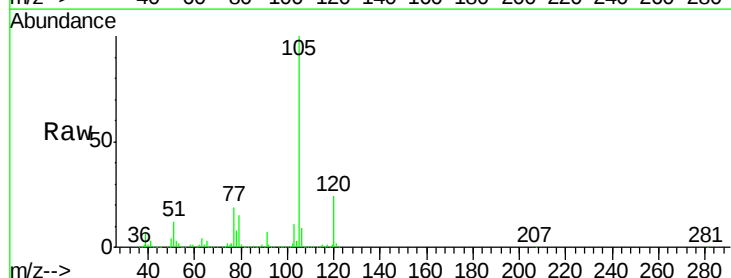
Acq: 21 Sep 2015 12:44

Tgt Ion:105 Resp: 6904336

Ion Ratio Lower Upper

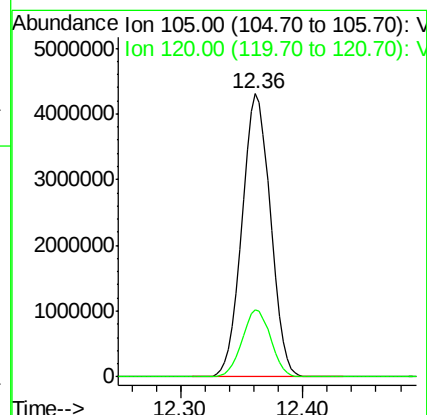
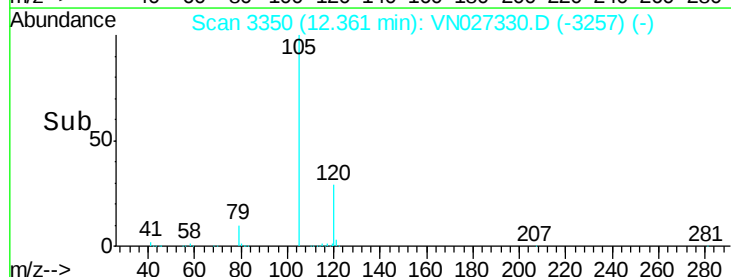
105 100

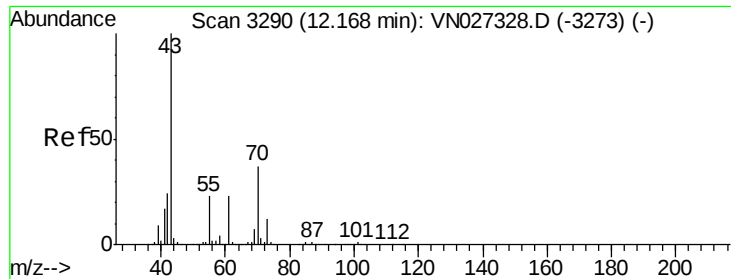
120 23.9 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 159.38 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 43 Resp: 2927853

Ion Ratio Lower Upper

43 100

70 37.3 29.8 44.8

55 22.6 19.4 29.0

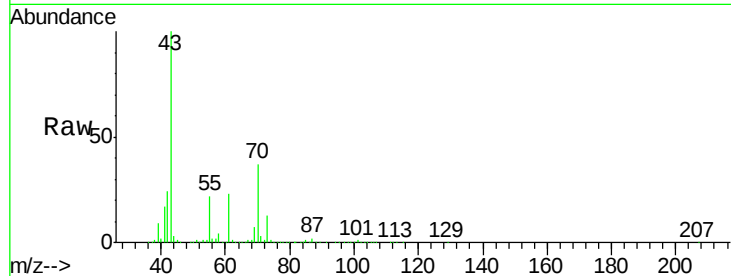
61 23.1 18.2 27.2

Manual Integrations

APPROVED

MMDadoda

9/22/2015 2:28:03 PM

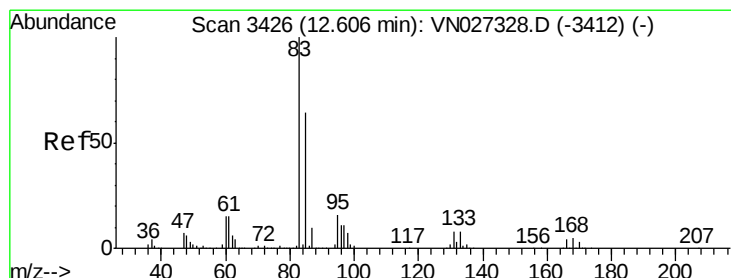
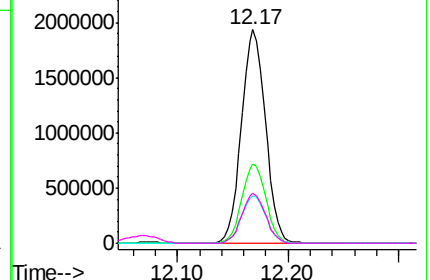
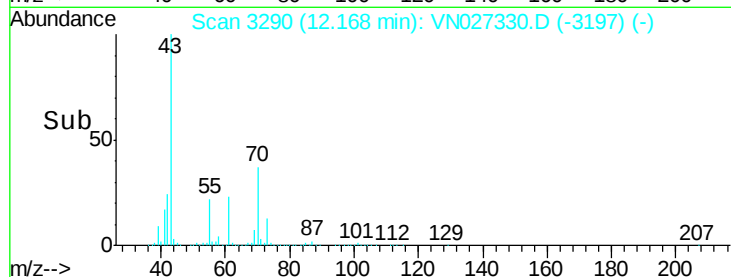


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,1,2,2-Tetrachloroethane

Concen: 147.66 ug/l

RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

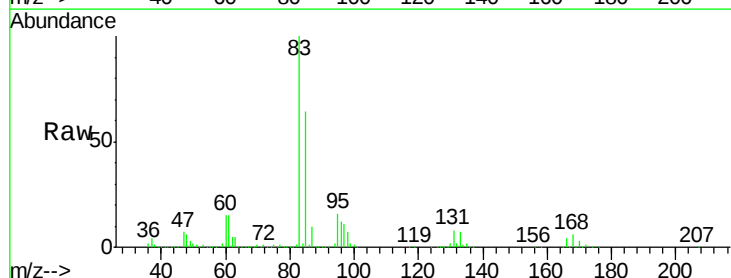
Tgt Ion: 83 Resp: 1805100

Ion Ratio Lower Upper

83 100

131 8.4 4.1 12.3

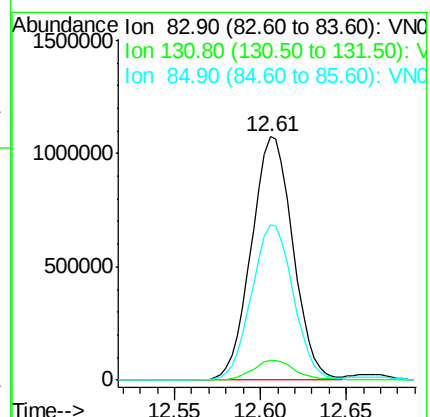
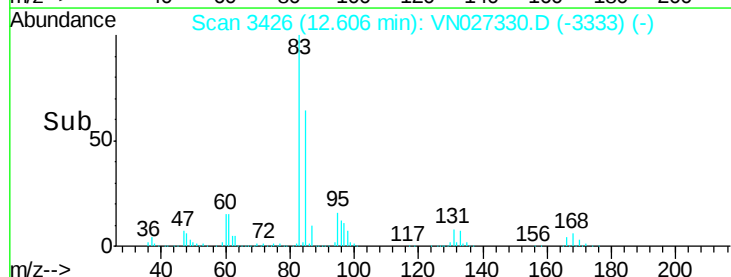
85 64.2 31.9 95.7

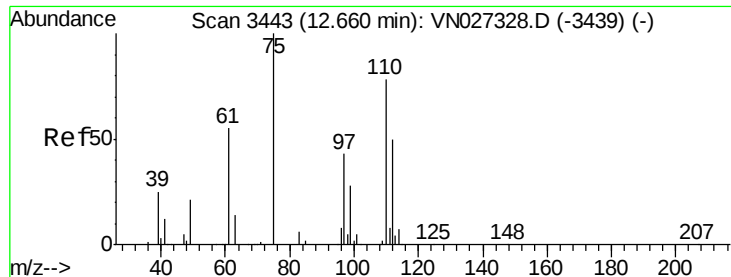


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#77

1,2,3-Trichloropropane

Concen: 139.57 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC200

Tot Ion: 75 Resp: 1575679

Ion Ratio Lower Upper

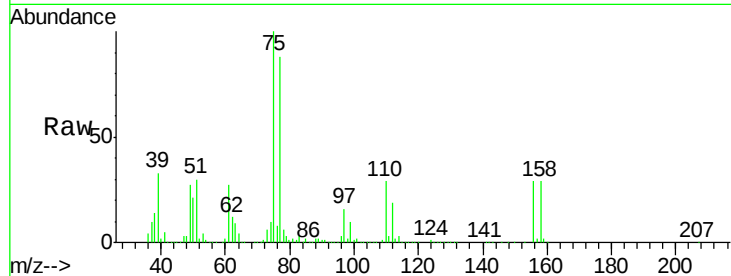
75 100

77 232.6 103.1 309.3

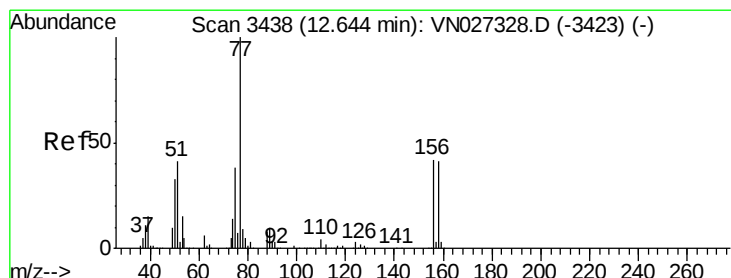
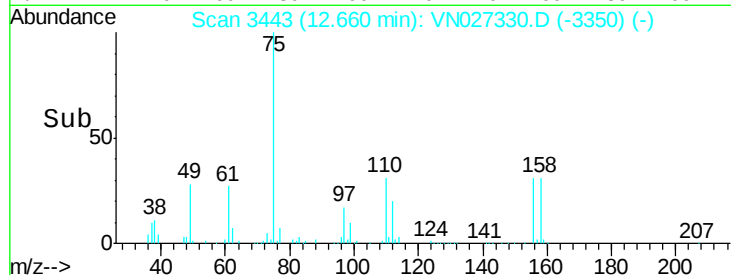
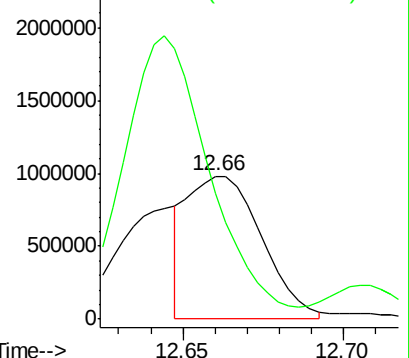
Manual Integrations
APPROVED

MMDadoda

9/22/2015 2:28:03 PM



Abundance Ion 74.90 (74.60 to 75.60): VN027328.D (-3439) (-)



#78

Bromobenzene

Concen: 164.30 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

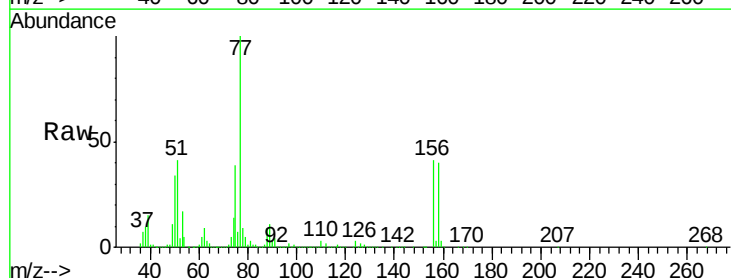
Tgt Ion: 156 Resp: 1326209

Ion Ratio Lower Upper

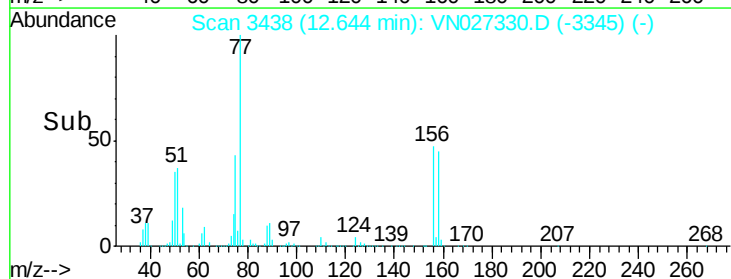
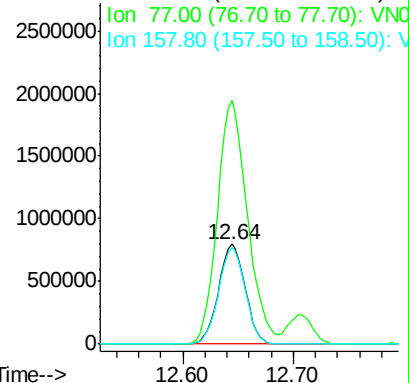
156 100

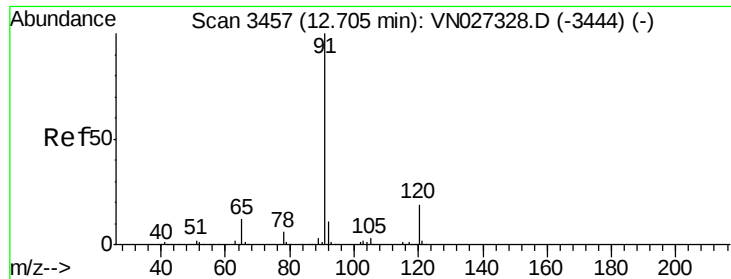
77 276.3 127.3 381.9

158 97.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): VN027328.D (-3423) (-)





#79

n-propylbenzene

Concen: 175.51 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampled :

VSTDIC200

Tot Ion: 91 Resp: 8499644

Ion Ratio Lower Upper

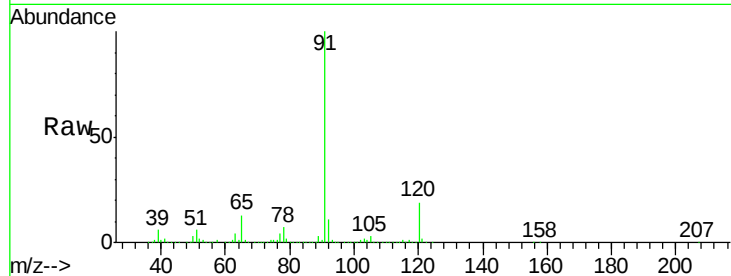
91 100

120 19.2 10.3 30.8

Manual Integrations
APPROVED

MMDadoda

9/22/2015 2:28:03 PM



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

6000000

5000000

4000000

3000000

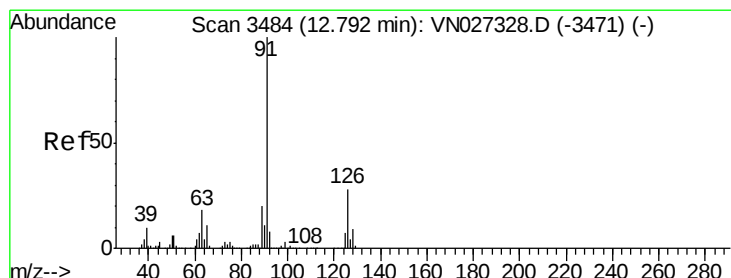
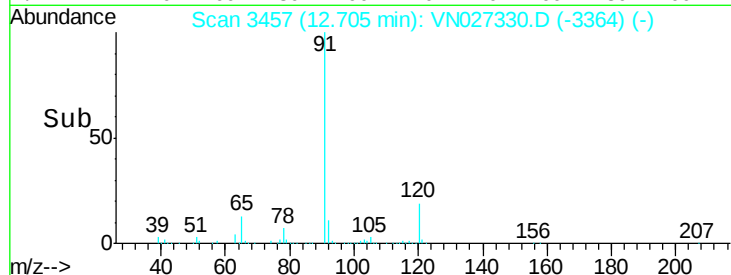
2000000

1000000

0

12.65 12.70 12.75

Time-->



#80

2-Chlorotoluene

Concen: 171.41 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027330.D

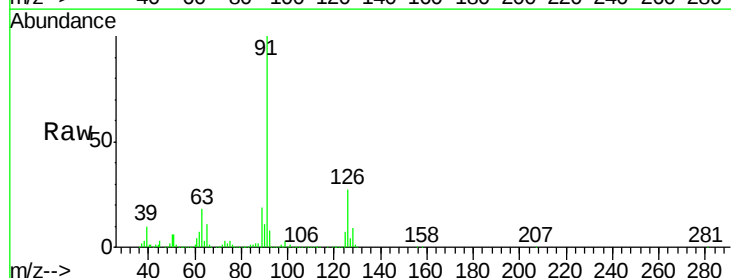
Acq: 21 Sep 2015 12:44

Tgt Ion: 91 Resp: 4984600

Ion Ratio Lower Upper

91 100

126 27.0 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

5000000

4000000

3000000

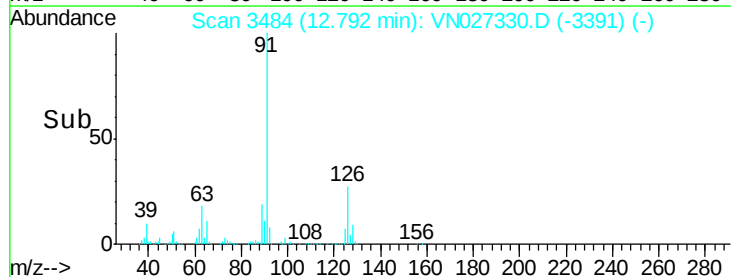
2000000

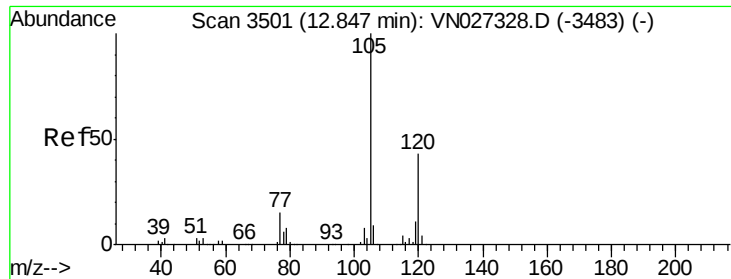
1000000

0

12.75 12.80

Time-->





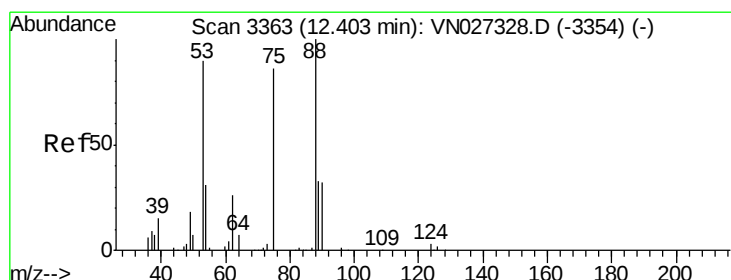
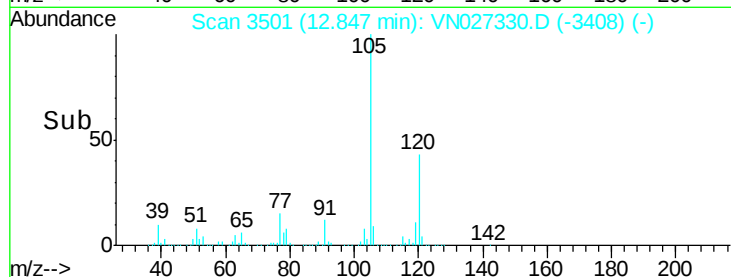
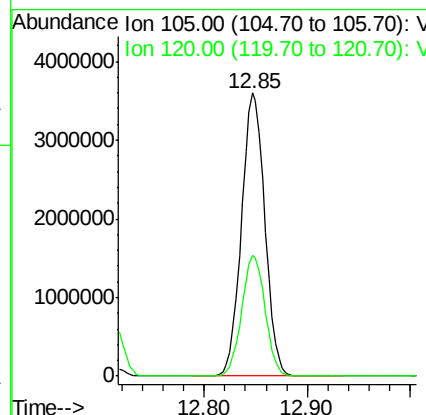
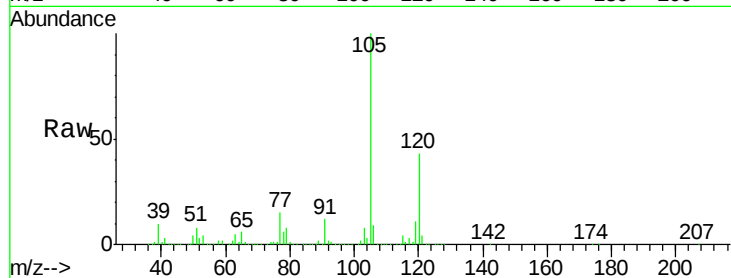
#81
 1,3,5-Trimethylbenzene
 Concen: 171.37 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion:105 Resp: 5667221
 Ion Ratio Lower Upper
 105 100
 120 42.8 23.4 70.0

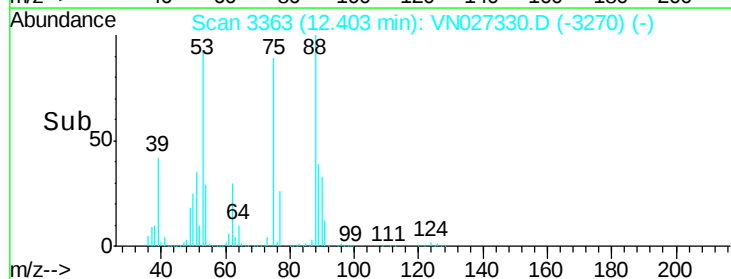
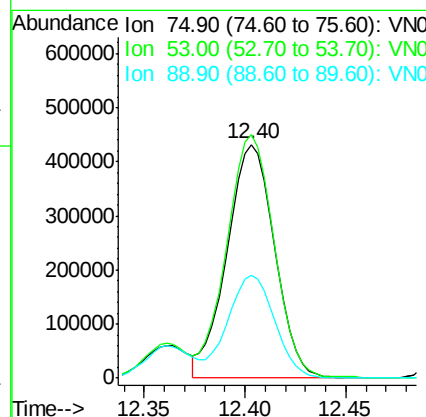
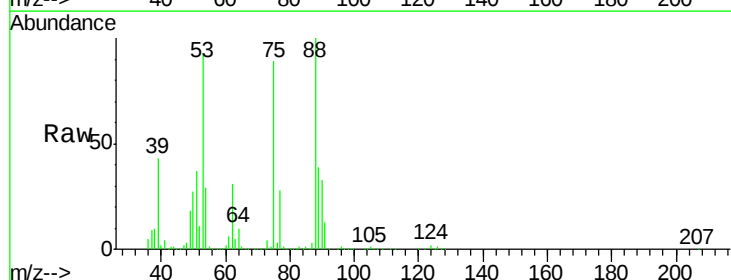
Manual Integrations
 APPROVED

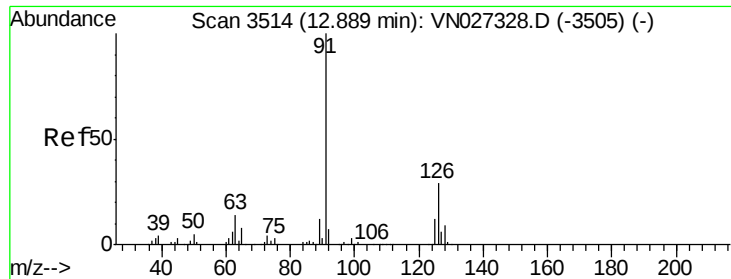
MMDadoda
 9/22/2015 2:28:03 PM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 154.19 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion: 75 Resp: 708659
 Ion Ratio Lower Upper
 75 100
 53 103.7 92.9 139.3
 89 44.0 34.2 51.4





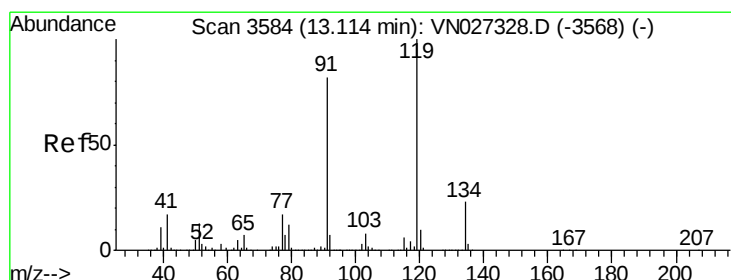
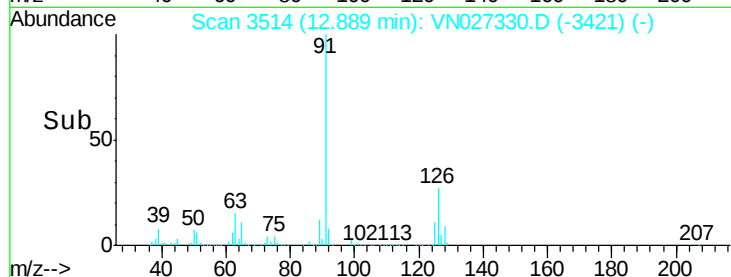
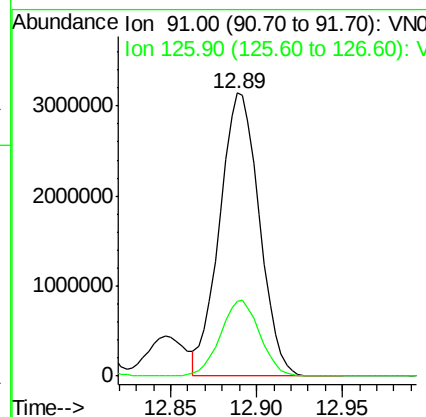
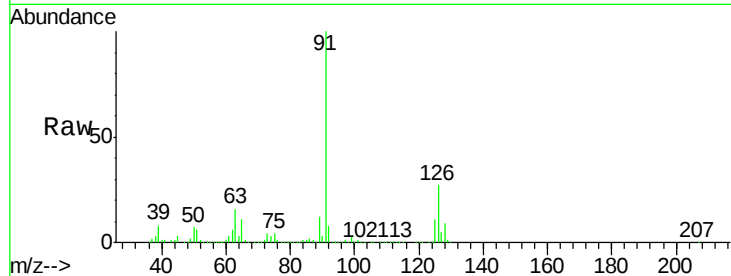
#83
4-Chlorotoluene
Concen: 177.19 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion: 91 Resp: 5062570
Ion Ratio Lower Upper
91 100
126 26.7 14.9 44.5

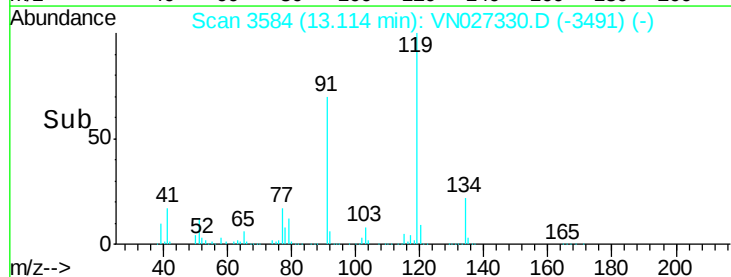
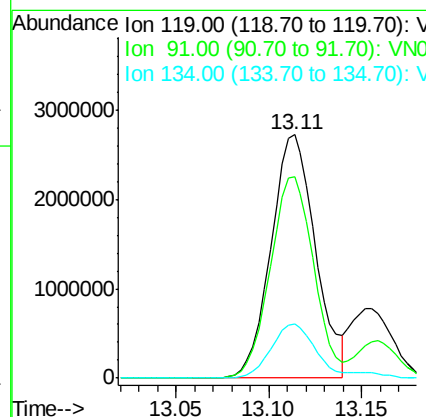
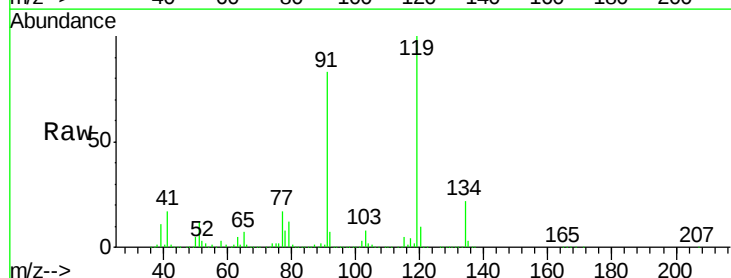
Manual Integrations
APPROVED

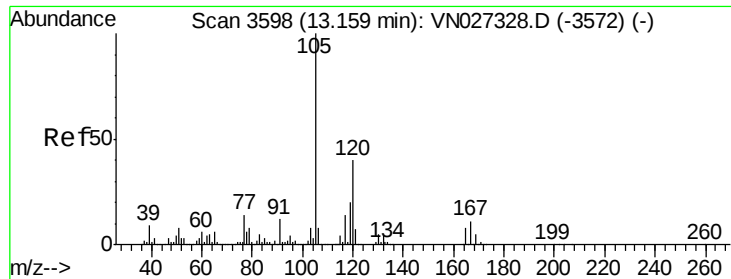
MMDadoda
9/22/2015 2:28:03 PM



#84
tert-Butylbenzene
Concen: 166.31 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion: 119 Resp: 4537440
Ion Ratio Lower Upper
119 100
91 80.9 34.6 103.8
134 22.2 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 170.93 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion:105 Resp: 5677146

Ion Ratio Lower Upper

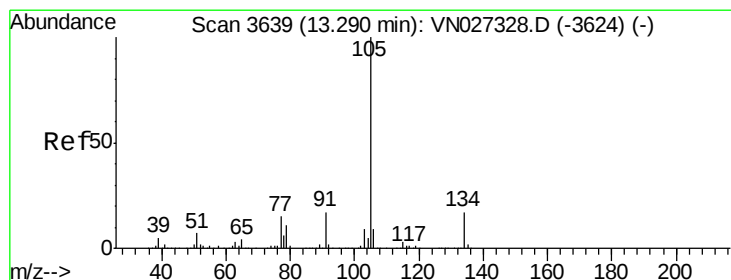
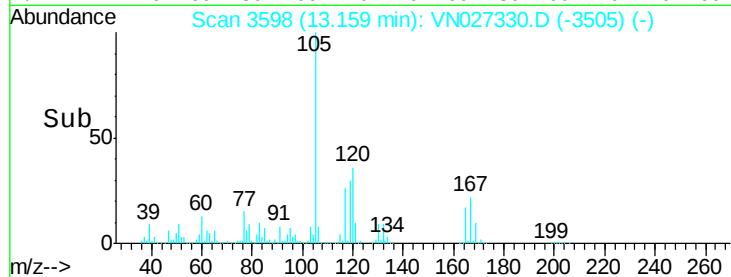
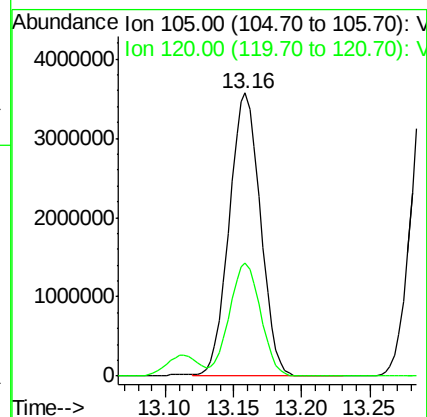
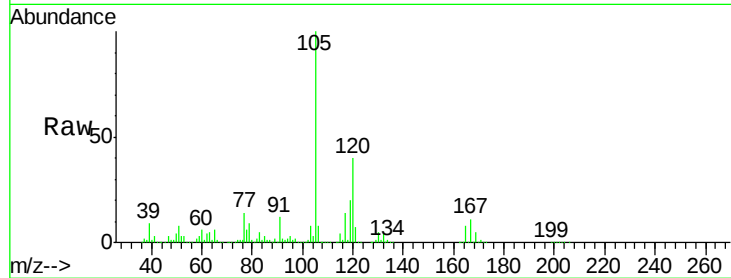
105 100

120 40.1 21.9 65.5

Manual Integrations
APPROVED

MMDadoda

9/22/2015 2:28:03 PM



#86

sec-Butylbenzene

Concen: 171.93 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027330.D

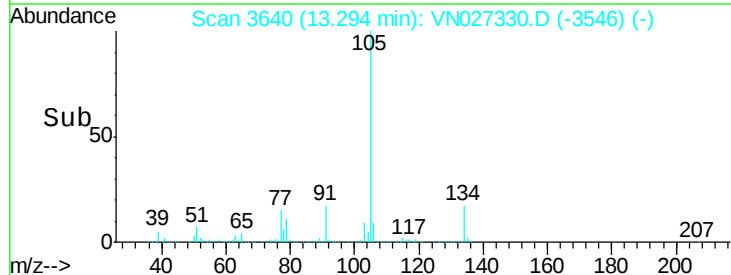
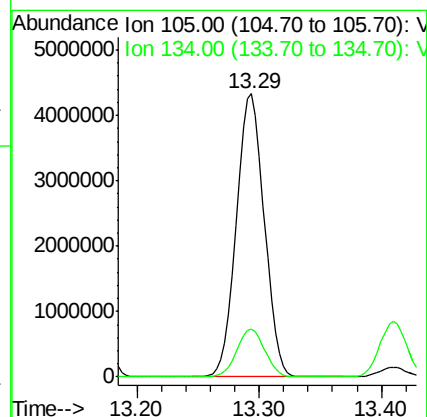
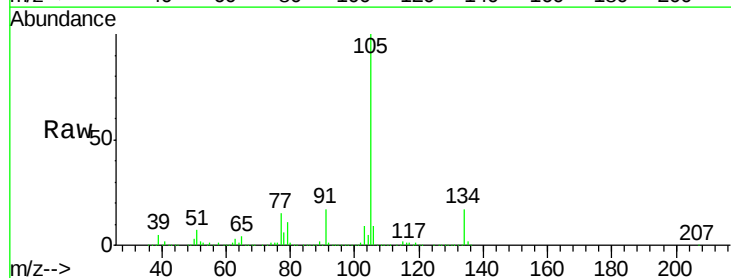
Acq: 21 Sep 2015 12:44

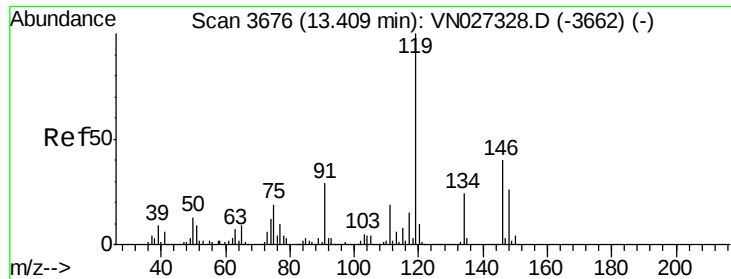
Tgt Ion:105 Resp: 6872218

Ion Ratio Lower Upper

105 100

134 16.9 8.8 26.4





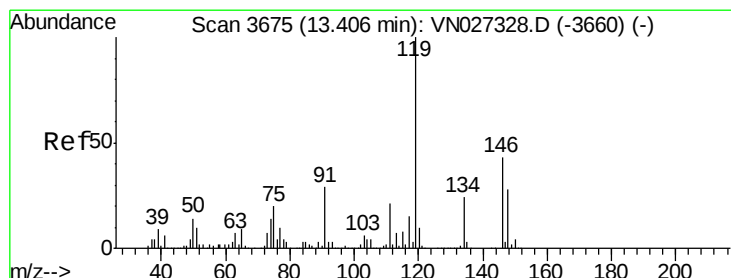
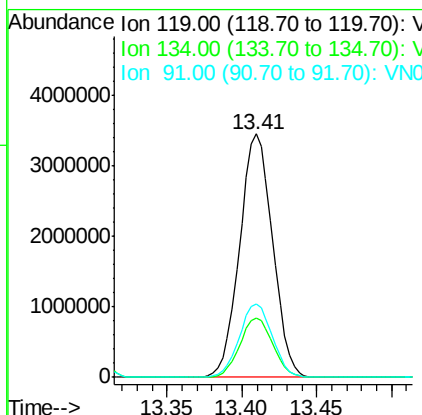
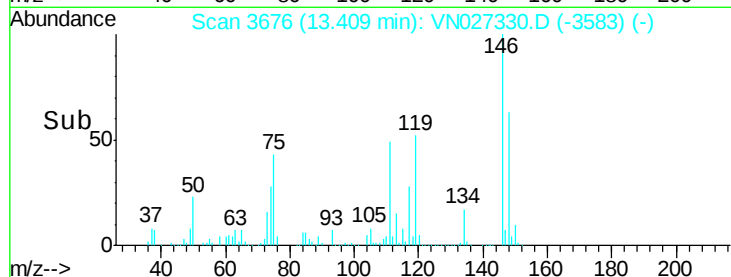
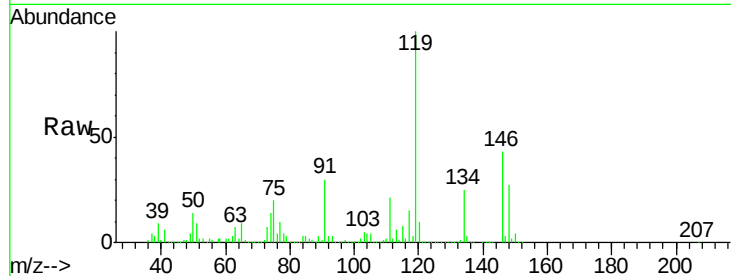
#87
 p-Isopropyltoluene
 Concen: 171.61 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion:119 Resp: 5283288
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.4 37.0
 91 30.3 12.0 36.1

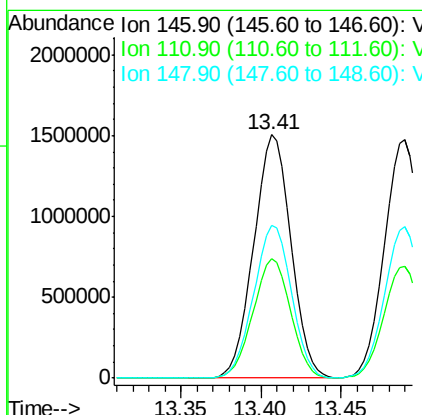
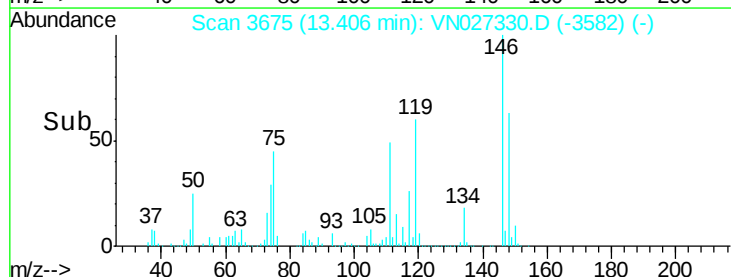
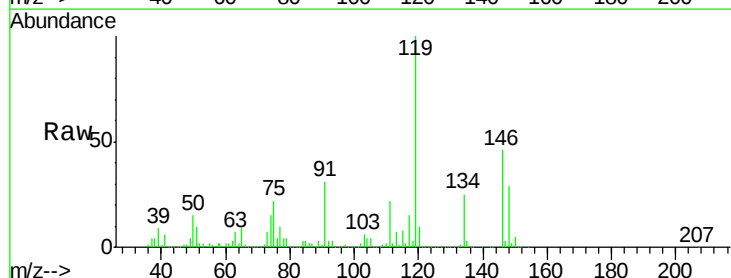
Manual Integrations
 APPROVED

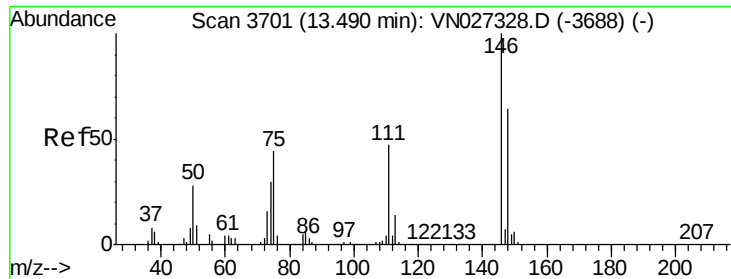
MMDadoda
 9/22/2015 2:28:03 PM



#88
 1,3-Dichlorobenzene
 Concen: 174.67 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion:146 Resp: 2412712
 Ion Ratio Lower Upper
 146 100
 111 49.4 21.0 63.0
 148 63.5 31.9 95.9





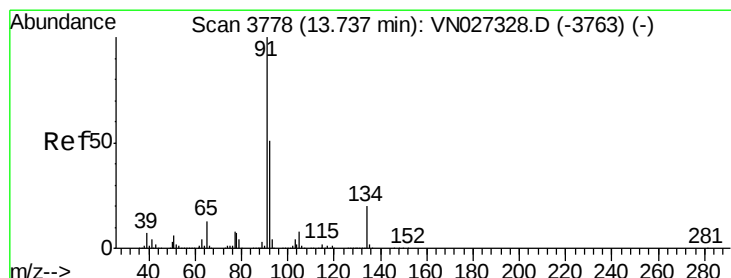
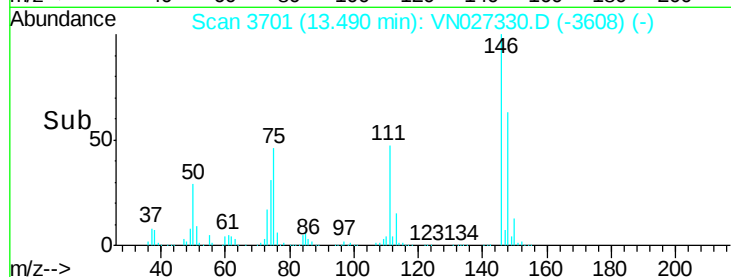
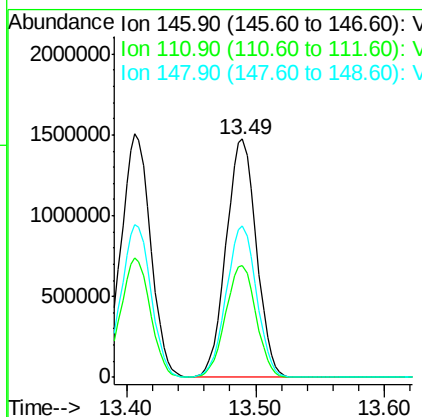
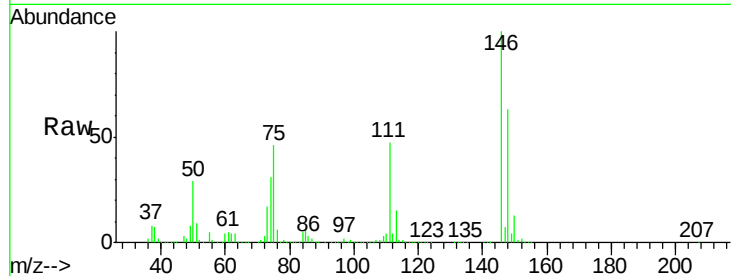
#89
 1,4-Dichlorobenzene
 Concen: 171.51 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	19.9	59.6
148	63.4	31.7	95.1

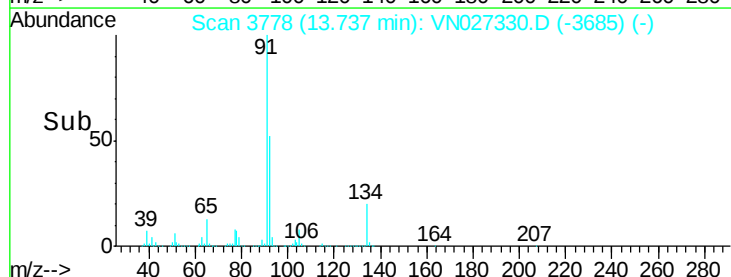
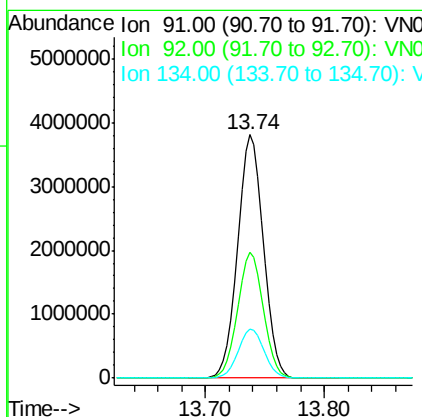
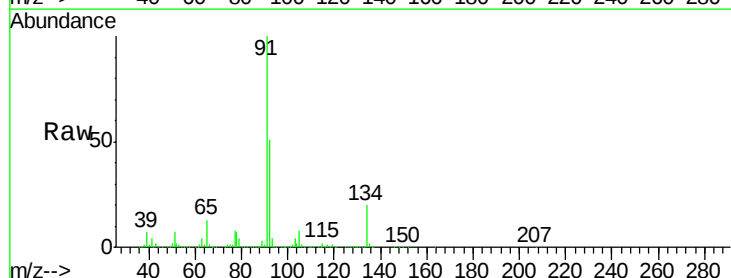
Manual Integrations
 APPROVED

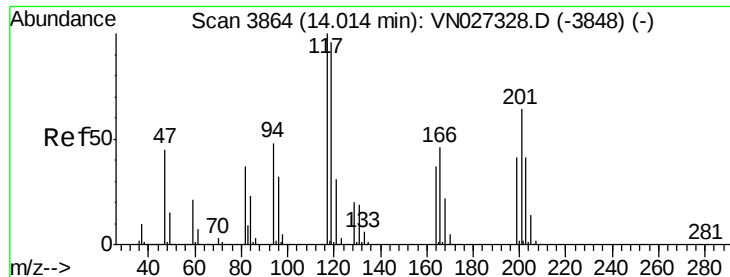
MMDadoda
 9/22/2015 2:28:03 PM



#90
 n-Butylbenzene
 Concen: 190.74 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	20.3	11.1	33.1





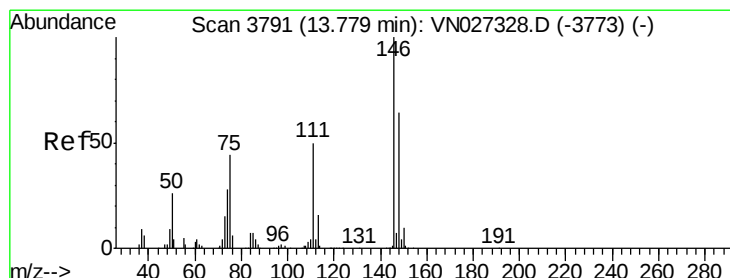
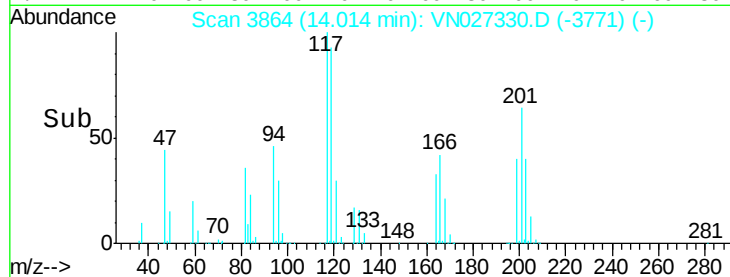
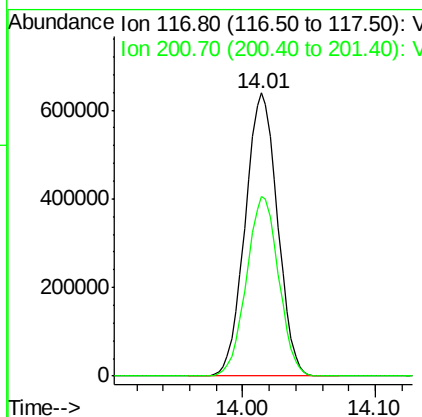
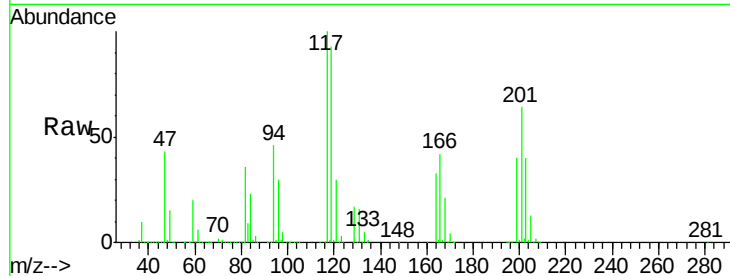
#91
Hexachloroethane
Concen: 160.13 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC200

Tot Ion:117 Resp: 1078803
Ion Ratio Lower Upper
117 100
201 63.2 34.9 104.7

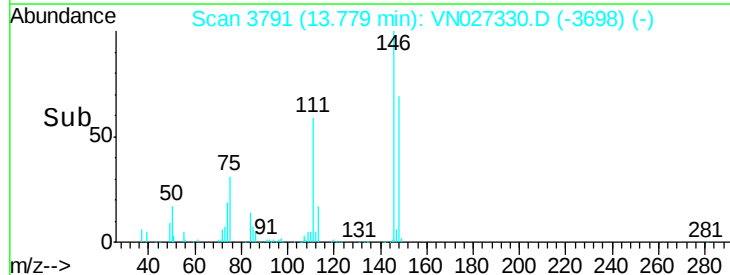
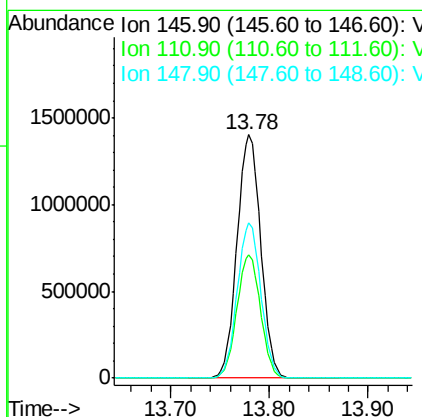
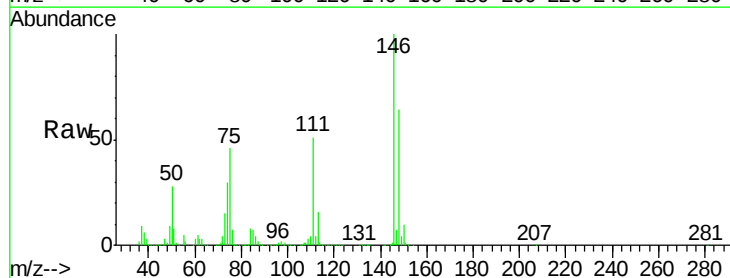
Manual Integrations
APPROVED

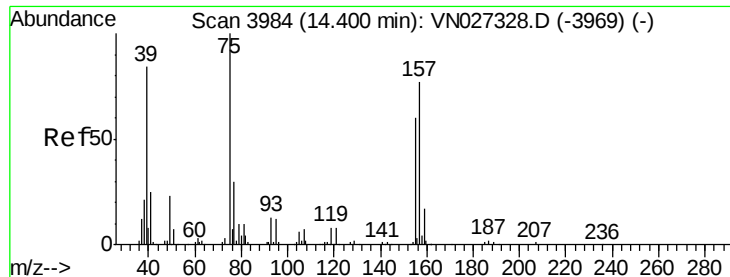
MMDadoda
9/22/2015 2:28:03 PM



#92
1,2-Dichlorobenzene
Concen: 170.96 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027330.D
Acq: 21 Sep 2015 12:44

Tgt Ion:146 Resp: 2333583
Ion Ratio Lower Upper
146 100
111 50.6 22.1 66.3
148 63.6 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 152.20 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC200

Tot Ion: 75 Resp: 407103

Ion Ratio Lower Upper

75 100

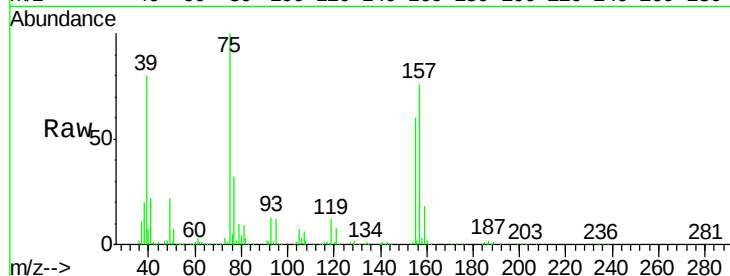
155 58.8 35.6 106.9

157 75.6 44.6 133.8

Manual Integrations
APPROVED

MMDadoda

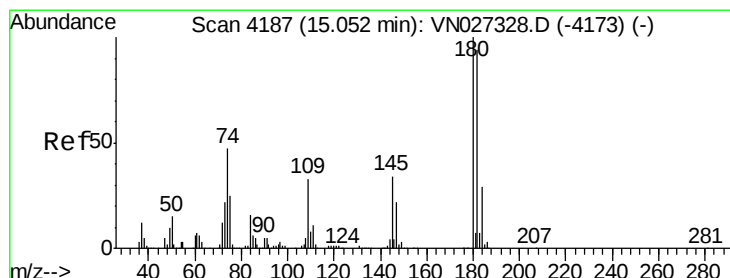
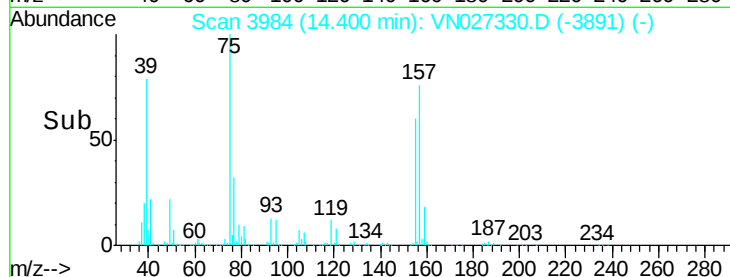
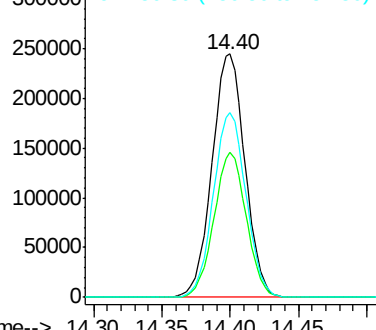
9/22/2015 2:28:03 PM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#94

1,2,4-Trichlorobenzene

Concen: 205.58 ug/l

RT: 15.05 min Scan# 4187

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

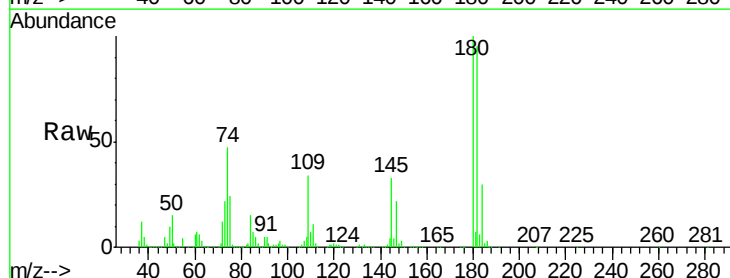
Tgt Ion: 180 Resp: 1515945

Ion Ratio Lower Upper

180 100

182 94.9 47.5 142.5

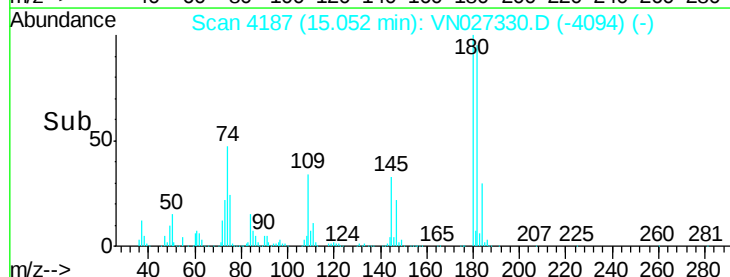
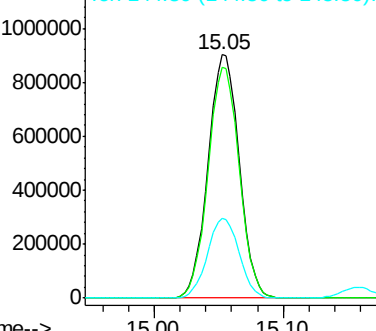
145 33.3 15.1 45.3

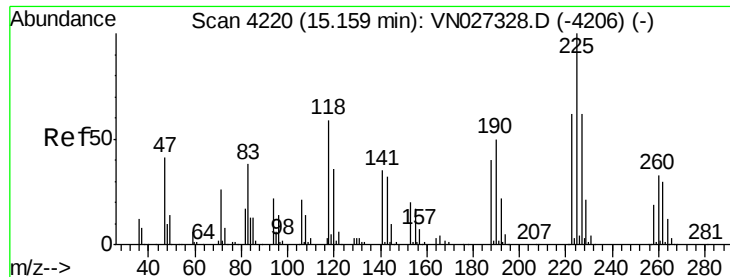


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Hexachlorobutadiene

Concen: 173.75 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Instrument :

MSVOA_N

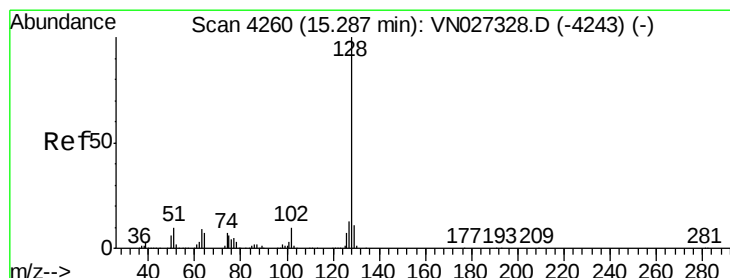
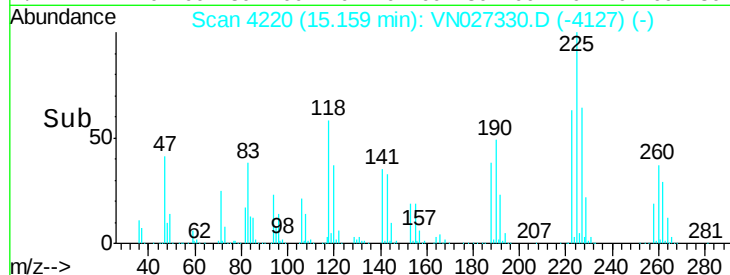
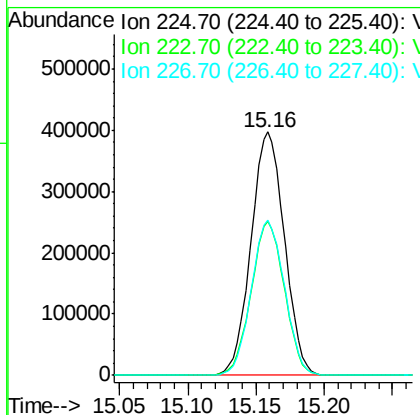
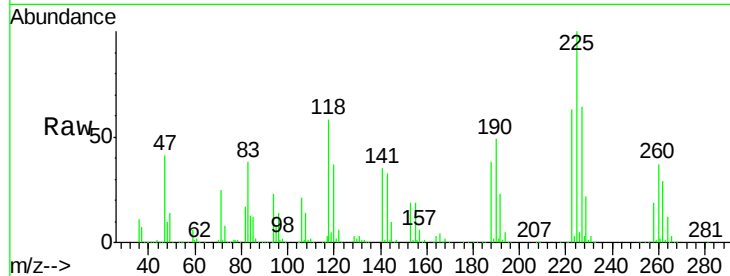
ClientSampled :

VSTDIC200

Tot Ion:	225	Resp:	674749
Ion Ratio		Lower	Upper
225	100		
223	62.7	30.8	92.3
227	63.3	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
9/22/2015 2:28:03 PM



#96

Naphthalene

Concen: 198.84 ug/l

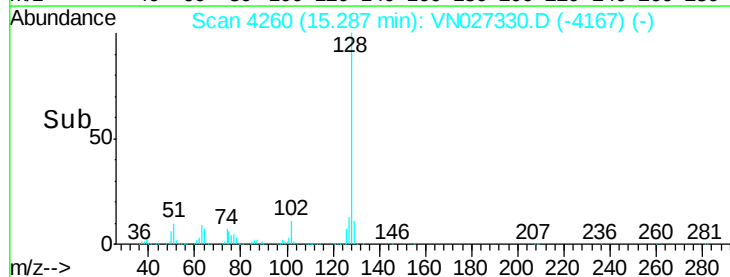
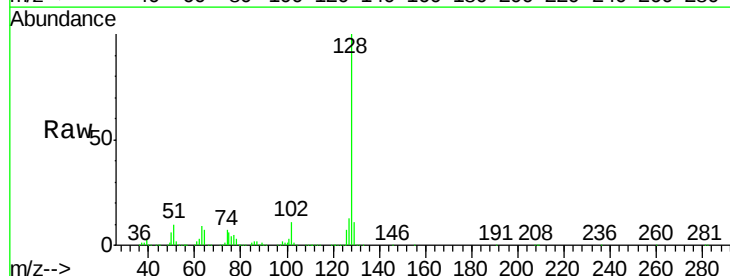
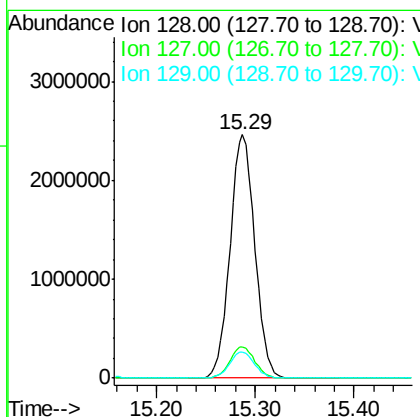
RT: 15.29 min Scan# 4260

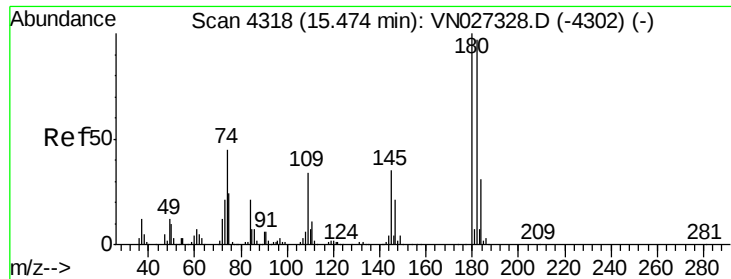
Delta R.T. 0.00 min

Lab File: VN027330.D

Acq: 21 Sep 2015 12:44

Tgt Ion:	128	Resp:	4298310
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.8	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 197.68 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027330.D
 Acq: 21 Sep 2015 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC200

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.8	146.4
145	35.4	16.6	49.8

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:03 PM

