

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027246.D
 Acq On : 17 Sep 2015 11:03
 Operator : MD\FY
 Sample : VN0917WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:22:32 PM

Quant Time: Sep 18 01:29:18 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	545129	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	998789	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	852472	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	320527	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	467655	41.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.74%	
36) Dibromofluoromethane	7.68	113	297082	42.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.82%	
51) Toluene-d8	10.19	98	1157200	42.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.38%	
63) 4-Bromofluorobenzene	12.52	95	399765	41.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	116098	17.80	ug/l	99
3) Chlorodifluoromethane	1.82	51	144782m	19.18	ug/l	
4) Chloromethane	2.01	50	127883	18.23	ug/l	98
5) Vinyl Chloride	2.14	62	137520	17.85	ug/l	97
6) Bromomethane	2.54	94	57256	16.26	ug/l	96
7) Chloroethane	2.69	64	89326	17.06	ug/l	98
8) Trichlorofluoromethane	3.02	101	204671	17.59	ug/l	98
9) Diethyl Ether	3.42	74	91938	17.17	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	131610	18.01	ug/l	96
11) Methyl Iodide	3.99	142	83088	11.70	ug/l	91
12) Tert butyl alcohol	4.80	59	87790	80.38	ug/l #	74
13) 1,1-Dichloroethene	3.76	96	121253	17.32	ug/l	92
14) Acrolein	3.62	56	128863	100.43	ug/l	99
15) Allyl chloride	4.37	41	232396	16.44	ug/l #	79
16) Acrylonitrile	5.03	53	299335	83.81	ug/l	96
17) Acetone	3.83	43	297595	98.82	ug/l	96
18) Carbon Disulfide	4.11	76	374862	16.45	ug/l	100
19) Methyl Acetate	4.36	43	366158	16.79	ug/l	96
20) Methyl tert-butyl Ether	5.12	73	480058	17.08	ug/l	97
21) Methylene Chloride	4.60	84	151501	18.06	ug/l	95
22) trans-1,2-Dichloroethene	5.13	96	133836	17.68	ug/l	96
23) Diisopropyl ether	6.04	45	513220	17.30	ug/l #	87
24) Vinyl Acetate	5.98	43	822883	83.82	ug/l	98
25) 1,1-Dichloroethane	5.93	63	297743	17.28	ug/l	99
26) 2-Butanone	6.92	43	395781	87.28	ug/l	94
27) 2,2-Dichloropropane	6.92	77	262340	17.55	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	158905	18.30	ug/l	97
29) Bromochloromethane	7.29	49	109708	16.40	ug/l	97
30) Tetrahydrofuran	7.32	42	237678	76.05	ug/l #	87
31) Chloroform	7.46	83	279732	17.97	ug/l	99
32) Cyclohexane	7.77	56	287301	18.14	ug/l #	87
33) 1,1,1-Trichloroethane	7.67	97	244734	17.63	ug/l	96
37) 1,1-Dichloropropene	7.89	75	208648	17.84	ug/l	99
38) Ethyl Acetate	7.02	43	169099	16.29	ug/l	99

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027246.D
 Acq On : 17 Sep 2015 11:03
 Operator : MD\FY
 Sample : VN0917WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:22:32 PM

Quant Time: Sep 18 01:29:18 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	197329	17.95	ug/l	98
40) Methylcyclohexane	9.19	83	263507	18.51	ug/l	97
41) Benzene	8.14	78	619779	18.17	ug/l	100
42) Methacrylonitrile	7.24	41	91610	16.21	ug/l #	85
43) 1,2-Dichloroethane	8.22	62	243991	17.75	ug/l	96
44) Isopropyl Acetate	8.25	43	319079	17.08	ug/l	98
45) Trichloroethene	8.94	130	124667	18.19	ug/l	91
46) 1,2-Dichloropropane	9.21	63	175399	17.87	ug/l	100
47) Dibromomethane	9.31	93	101717	17.65	ug/l	93
48) Bromodichloromethane	9.50	83	213768	17.60	ug/l	100
49) Methyl methacrylate	9.29	41	155619	16.72	ug/l #	87
50) 1,4-Dioxane	9.30	88	38613	353.68	ug/l	99
52) 4-Methyl-2-Pentanone	10.07	43	838258	84.86	ug/l	99
53) Toluene	10.26	92	361120	18.07	ug/l	100
54) t-1,3-Dichloropropene	10.47	75	230149	16.88	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	254383	17.15	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	137185	18.27	ug/l	99
57) Ethyl methacrylate	10.52	69	218687	17.28	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	249152	17.87	ug/l	97
59) 2-Chloroethyl Vinyl ether	9.78	63	565266	97.28	ug/l	97
60) 2-Hexanone	10.84	43	586662	87.23	ug/l	99
61) Dibromochloromethane	11.00	129	132225	17.24	ug/l	100
62) 1,2-Dibromoethane	11.11	107	127861	17.33	ug/l	98
65) Tetrachloroethene	10.74	164	100089	18.36	ug/l	97
66) Chlorobenzene	11.54	112	360895	17.93	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	122470	17.84	ug/l	99
68) Ethyl Benzene	11.62	91	683327	17.91	ug/l	100
69) m/p-Xylenes	11.73	106	477582	36.27	ug/l	91
70) o-Xylene	12.06	106	237921	18.03	ug/l	92
71) Styrene	12.08	104	381085	17.88	ug/l	95
72) Bromoform	12.24	173	79684	16.69	ug/l #	100
74) Isopropylbenzene	12.36	105	645199	18.27	ug/l	98
75) N-amyl acetate	12.17	43	260455	16.52	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	178872	17.37	ug/l	98
77) 1,2,3-Trichloropropane	12.66	75	159484m	16.46	ug/l	
78) Bromobenzene	12.64	156	125098	18.06	ug/l	93
79) n-propylbenzene	12.71	91	753669	18.14	ug/l	98
80) 2-Chlorotoluene	12.79	91	455008	18.23	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	514705	18.14	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	62842	15.93	ug/l	92
83) 4-Chlorotoluene	12.89	91	442928	18.07	ug/l	96
84) tert-Butylbenzene	13.11	119	414631	17.71	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	512755	17.99	ug/l	95
86) sec-Butylbenzene	13.29	105	625088	18.23	ug/l	100
87) p-Isopropyltoluene	13.41	119	476813	18.05	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	218771	18.46	ug/l	97
89) 1,4-Dichlorobenzene	13.49	146	217044	18.08	ug/l	94
90) n-Butylbenzene	13.74	91	463507	18.08	ug/l	99
91) Hexachloroethane	14.01	117	97492	16.86	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	216553	18.49	ug/l	97

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
Data File : VN027246.D
Acq On : 17 Sep 2015 11:03
Operator : MD\FY
Sample : VN0917WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

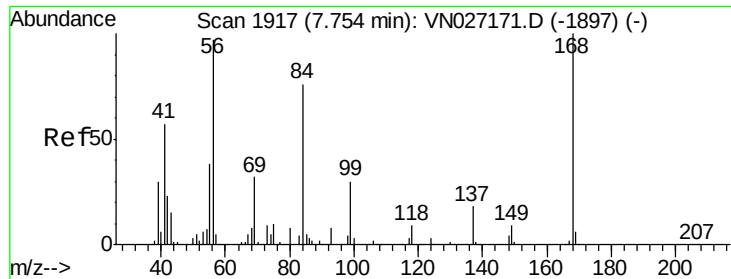
Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:32 PM

Quant Time: Sep 18 01:29:18 2015
Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 15 21:12:09 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	34844	16.35	ug/l	84
94) 1,2,4-Trichlorobenzene	15.06	180	112771	17.82	ug/l	99
95) Hexachlorobutadiene	15.16	225	62312	18.70	ug/l	97
96) Naphthalene	15.29	128	306504	16.52	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	112057	17.82	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:168 Resp: 545129

Ion Ratio Lower Upper

168 100

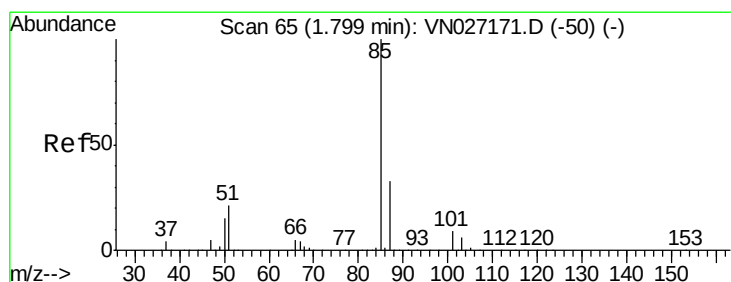
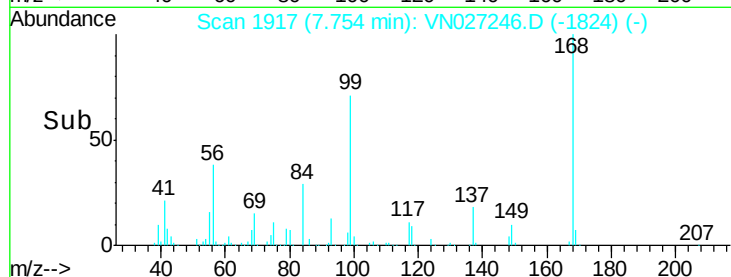
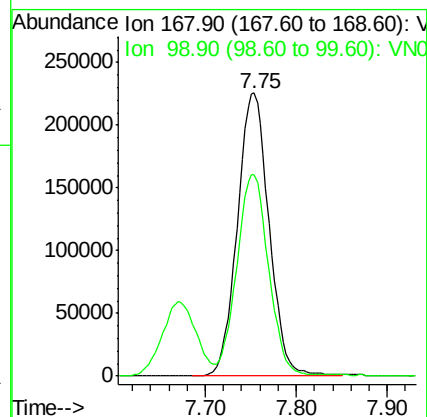
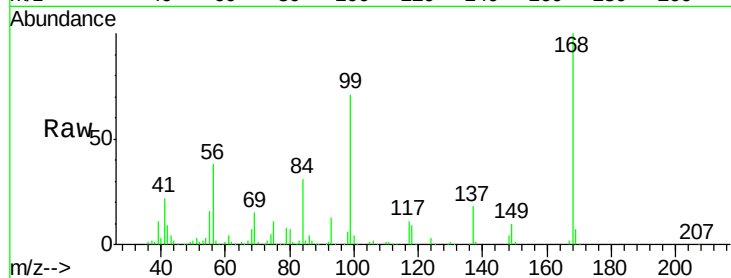
99 70.7 50.4 75.6

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



#2

Dichlorodifluoromethane

Concen: 17.80 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027246.D

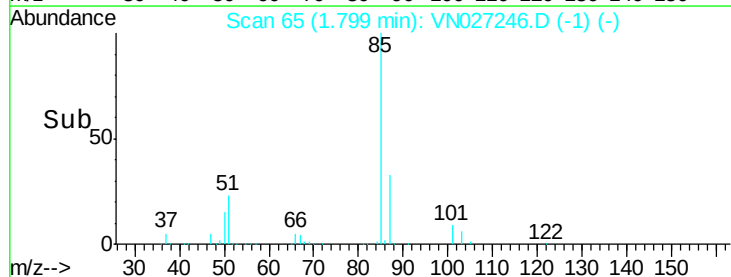
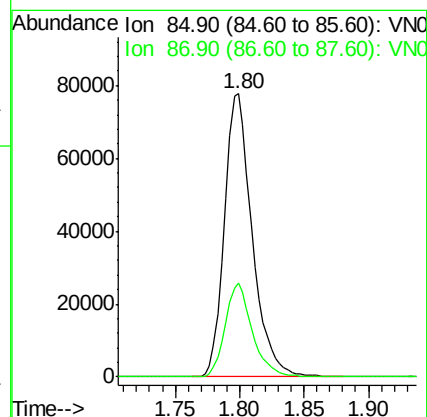
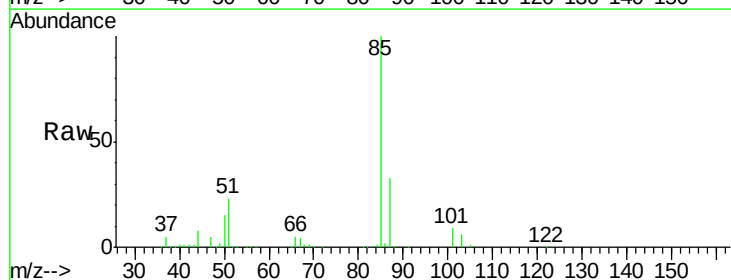
Acq: 17 Sep 2015 11:03

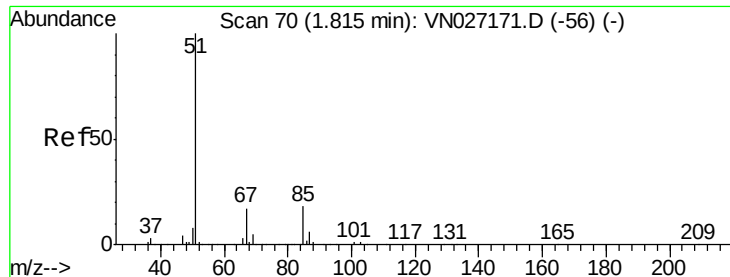
Tgt Ion: 85 Resp: 116098

Ion Ratio Lower Upper

85 100

87 33.1 16.3 48.8





#3

Chlorodifluoromethane

Concen: 19.18 ug/l m

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 51 Resp: 144782

Ion Ratio Lower Upper

51 100

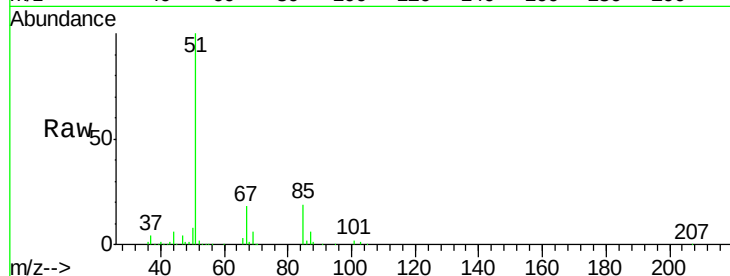
67 0.6 12.2 18.2#

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

120000

100000

80000

60000

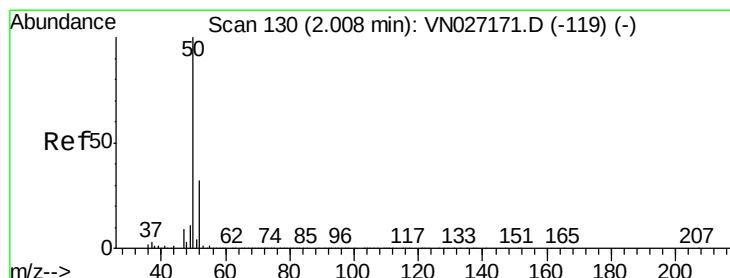
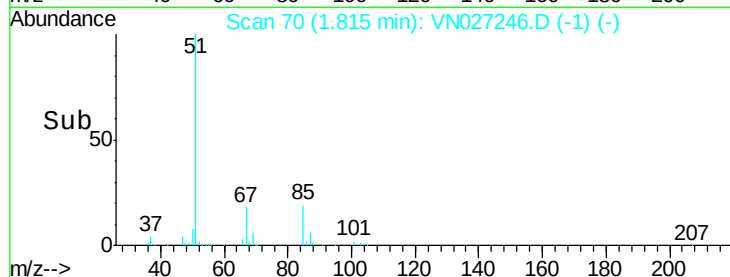
40000

20000

0

1.75 1.80 1.85 1.90

Time-->



#4

Chloromethane

Concen: 18.23 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027246.D

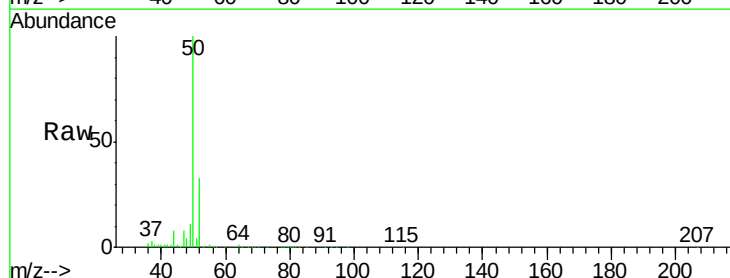
Acq: 17 Sep 2015 11:03

Tgt Ion: 50 Resp: 127883

Ion Ratio Lower Upper

50 100

52 33.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

100000

80000

60000

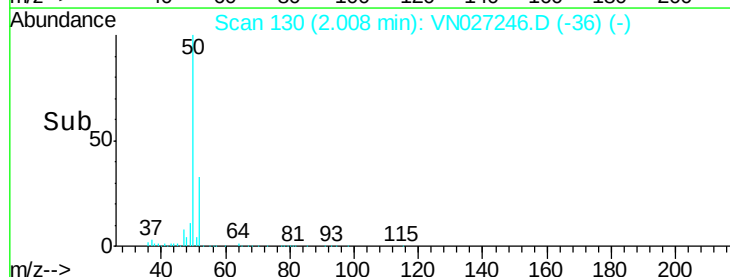
40000

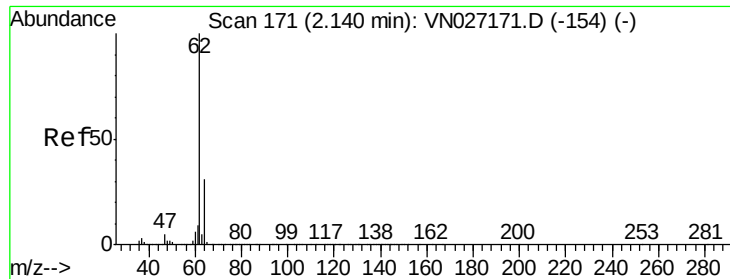
20000

0

1.95 2.00 2.05

Time-->





#5

Vinyl Chloride

Concen: 17.85 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0917WBS01

Tot Ion: 62 Resp: 137520

Ion Ratio Lower Upper

62 100

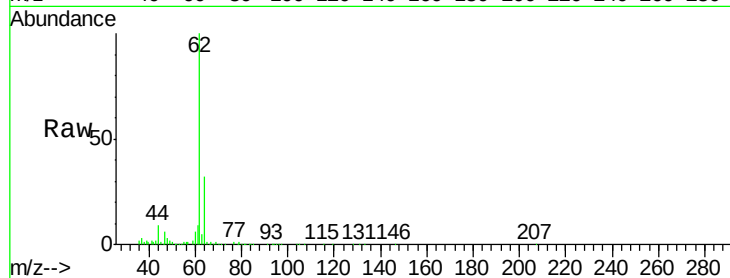
64 30.8 25.9 38.9

Manual Integrations

APPROVED

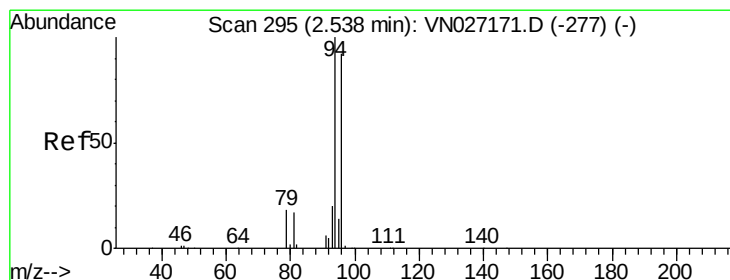
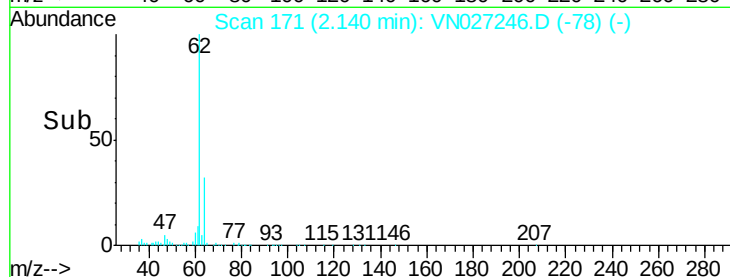
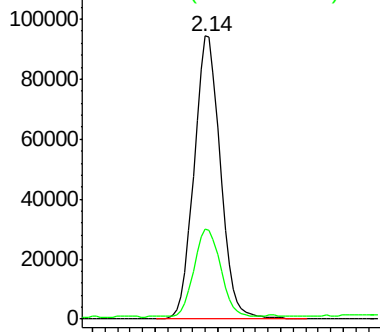
MMDadoda

9/18/2015 12:22:32 PM



Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



#6

Bromomethane

Concen: 16.26 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027246.D

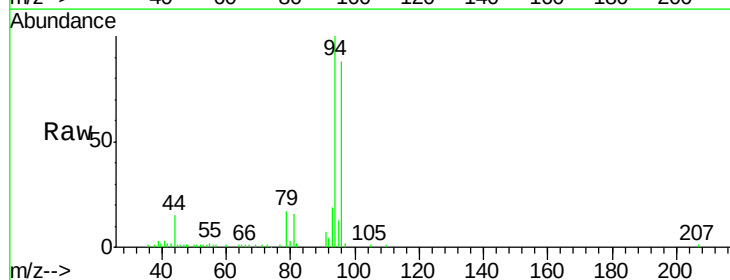
Acq: 17 Sep 2015 11:03

Tgt Ion: 94 Resp: 57256

Ion Ratio Lower Upper

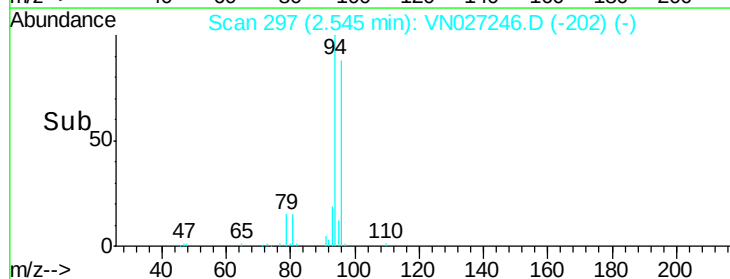
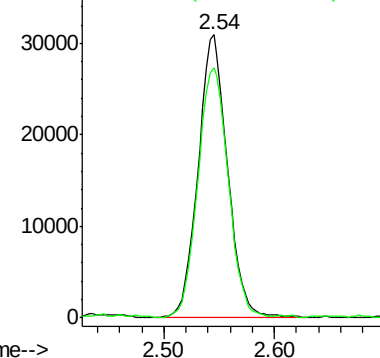
94 100

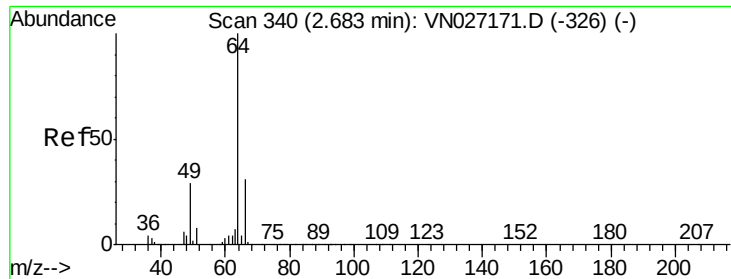
96 88.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC





#7

Chloroethane

Concen: 17.06 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 64 Resp: 89326

Ion Ratio Lower Upper

64 100

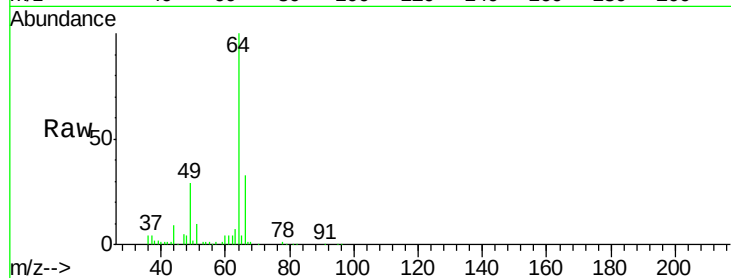
66 33.0 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM

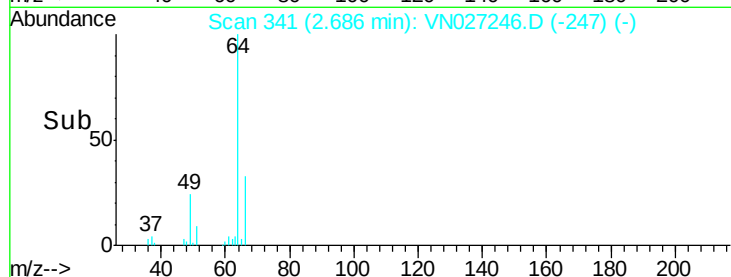


Abundance Ion 63.90 (63.60 to 64.60): VN027171.D (-326) (-)

Ion 65.90 (65.60 to 66.60): VN027171.D (-326) (-)

2.69

Time-->

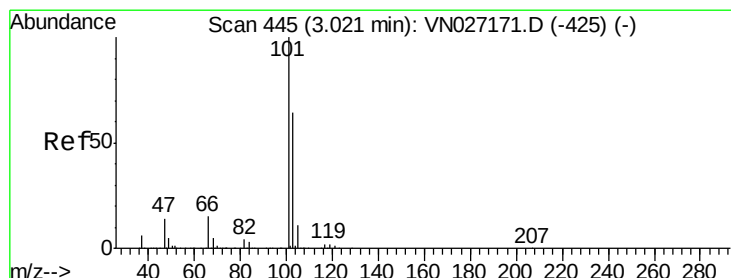


Abundance Ion 63.90 (63.60 to 64.60): VN027246.D (-247) (-)

Ion 65.90 (65.60 to 66.60): VN027246.D (-247) (-)

2.69

Time-->



#8

Trichlorofluoromethane

Concen: 17.59 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027246.D

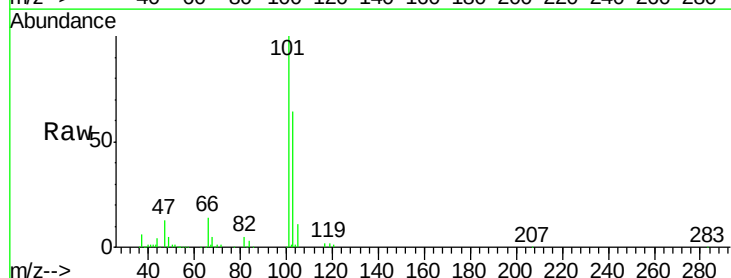
Acq: 17 Sep 2015 11:03

Tgt Ion: 101 Resp: 204671

Ion Ratio Lower Upper

101 100

103 63.9 52.6 79.0

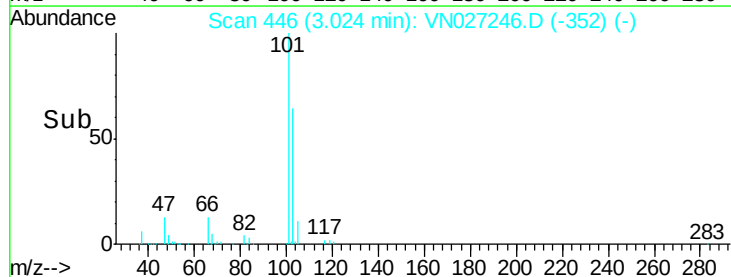


Abundance Ion 100.90 (100.60 to 101.60): VN027171.D (-425) (-)

Ion 102.80 (102.50 to 103.50): VN027171.D (-425) (-)

3.02

Time-->

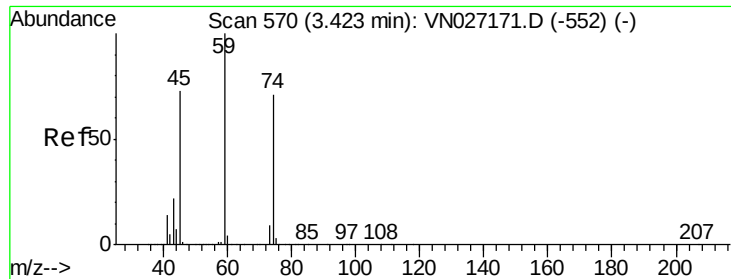


Abundance Ion 100.90 (100.60 to 101.60): VN027246.D (-352) (-)

Ion 102.80 (102.50 to 103.50): VN027246.D (-352) (-)

3.02

Time-->



#9

Diethyl Ether

Concen: 17.17 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 74 Resp: 91938

Ion Ratio Lower Upper

74 100

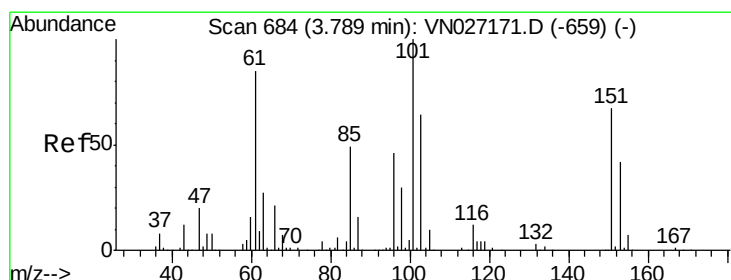
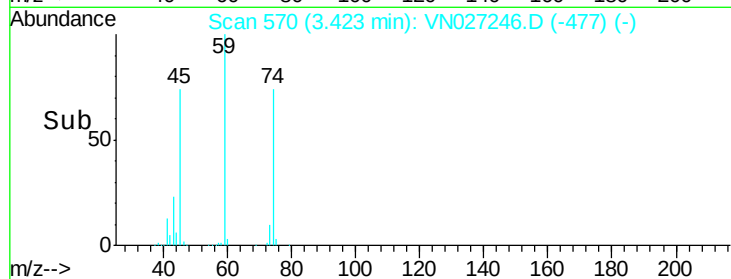
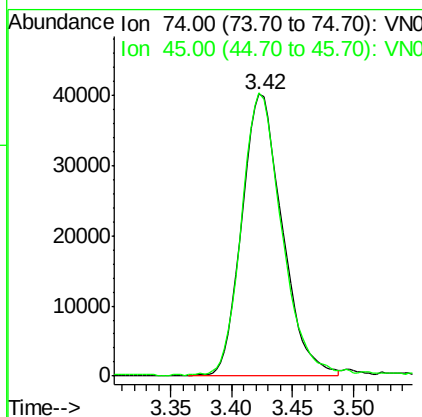
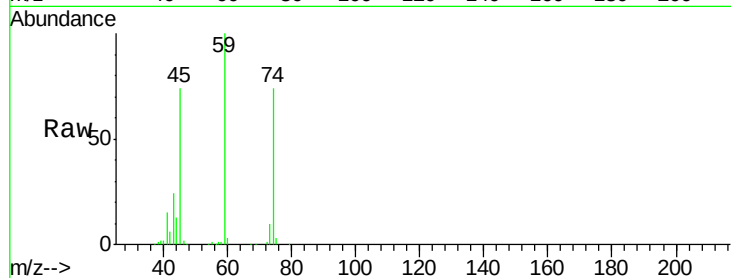
45 99.8 58.1 174.3

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



#10

1,1,2-Trichlorotrifluoroethane

Concen: 18.01 ug/l

RT: 3.79 min Scan# 685

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

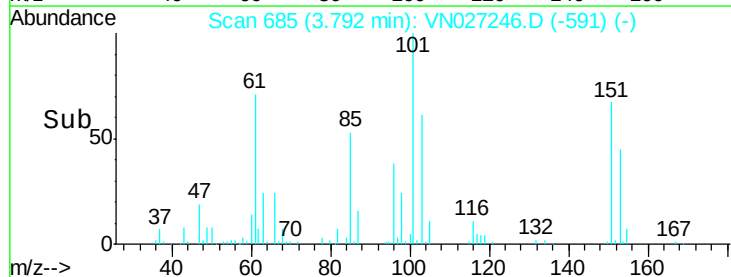
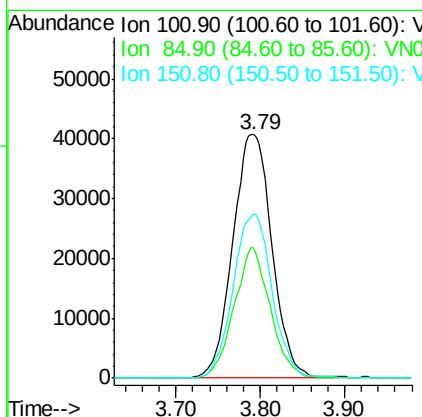
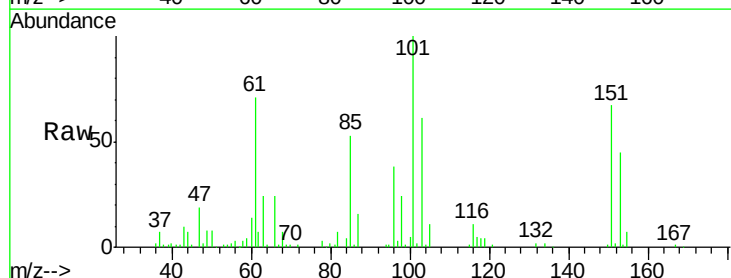
Tgt Ion: 101 Resp: 131610

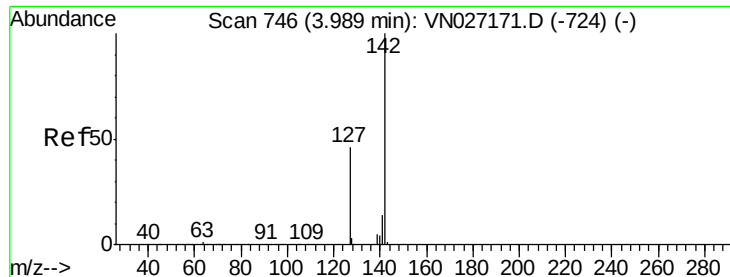
Ion Ratio Lower Upper

101 100

85 49.5 37.4 56.0

151 66.8 55.9 83.9





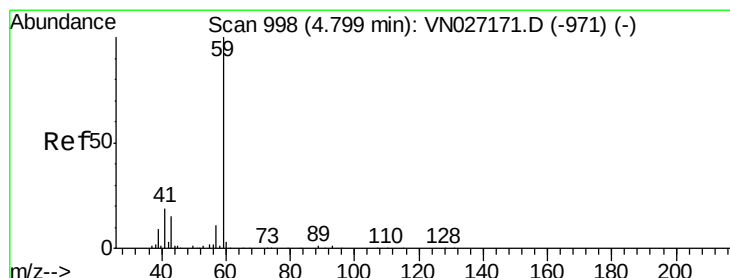
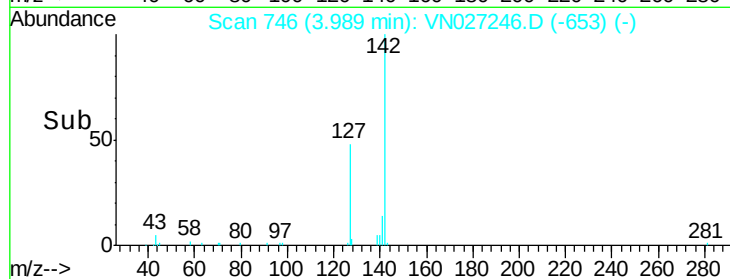
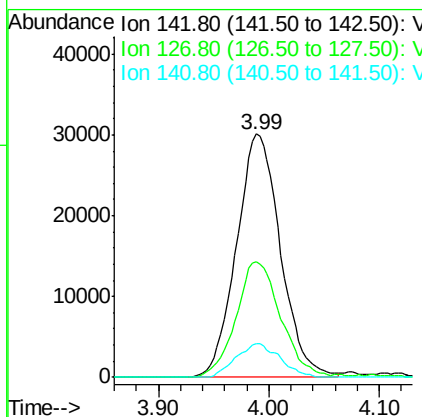
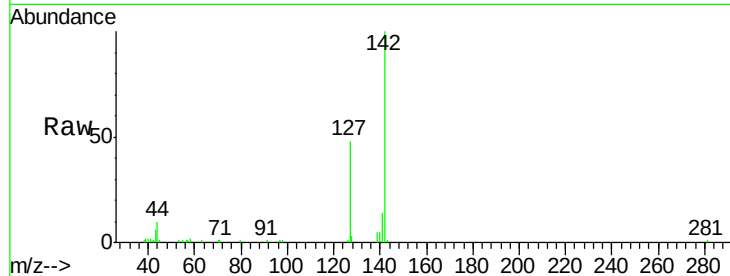
#11
Methvl Iodide
Concen: 11.70 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.3	32.3	48.5
141	13.9	11.2	16.8

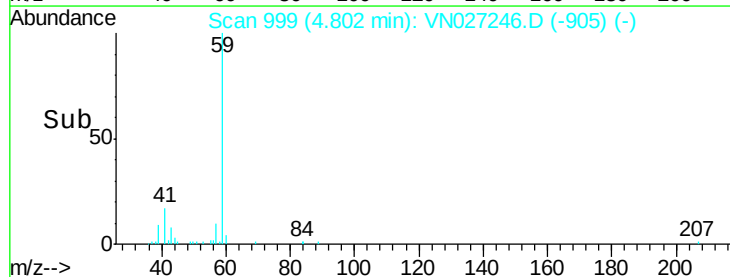
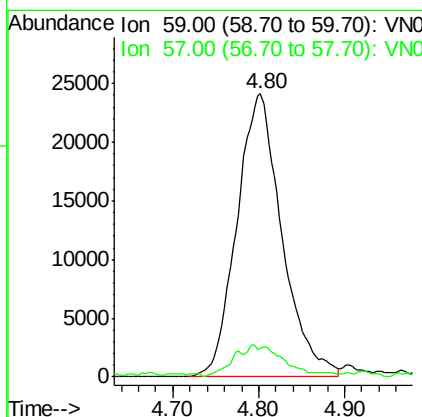
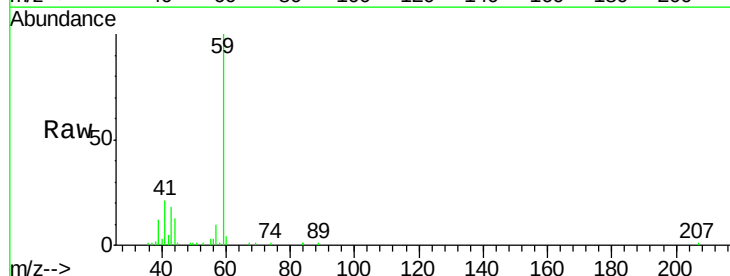
Manual Integrations
APPROVED

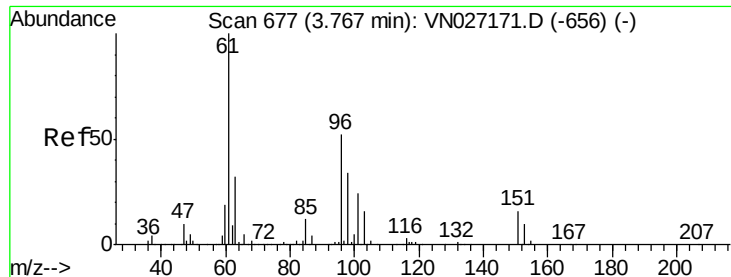
MMDadoda
9/18/2015 12:22:32 PM



#12
Tert butyl alcohol
Concen: 80.38 ug/l
RT: 4.80 min Scan# 999
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#





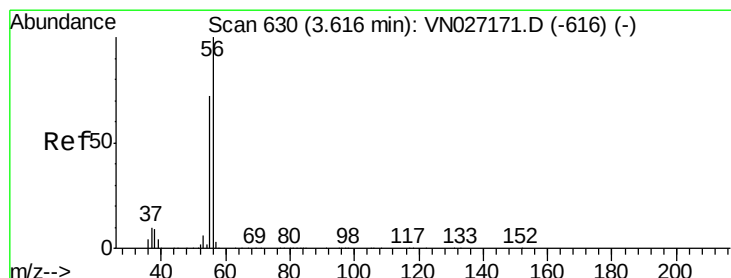
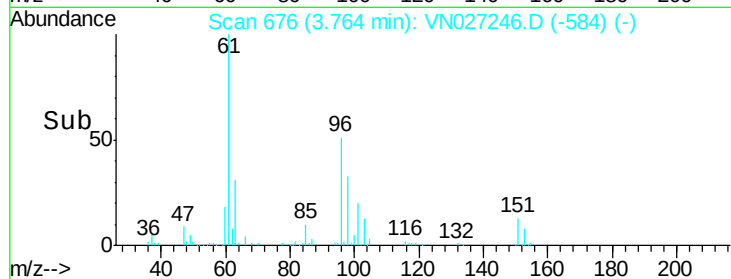
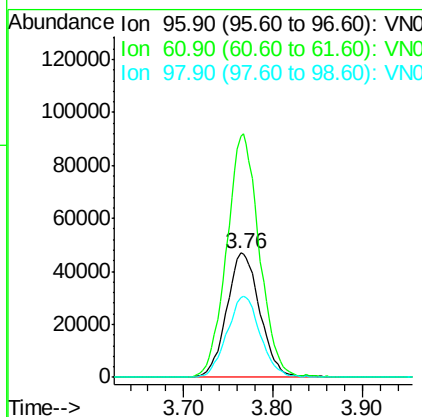
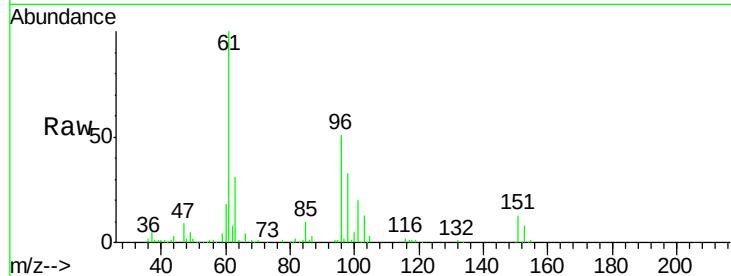
#13
 1,1-Dichloroethene
 Concen: 17.32 ug/l
 RT: 3.76 min Scan# 676
 Delta R.T. -0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	194.4	143.8	215.8
98	64.1	50.3	75.5

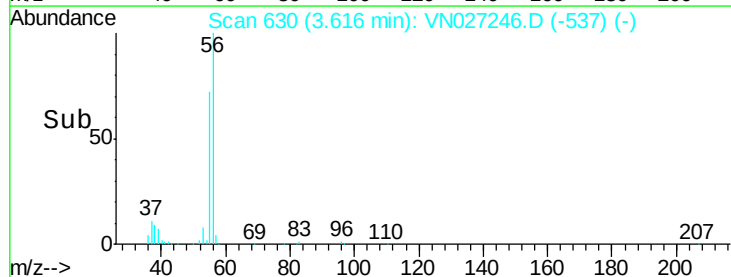
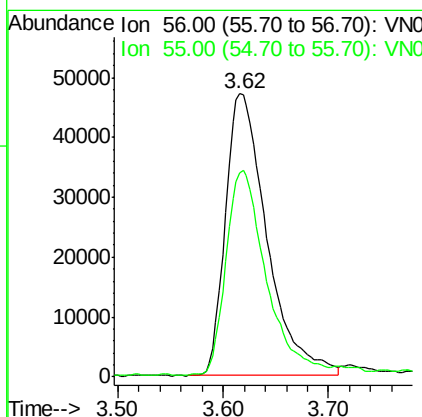
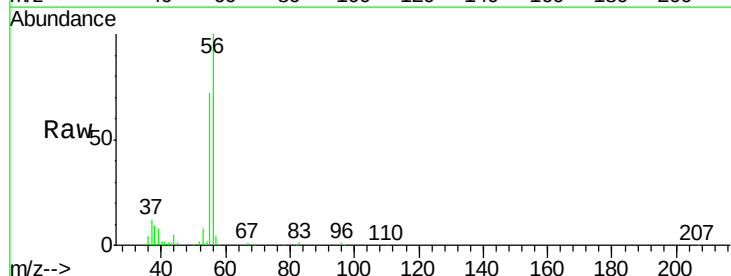
Manual Integrations
 APPROVED

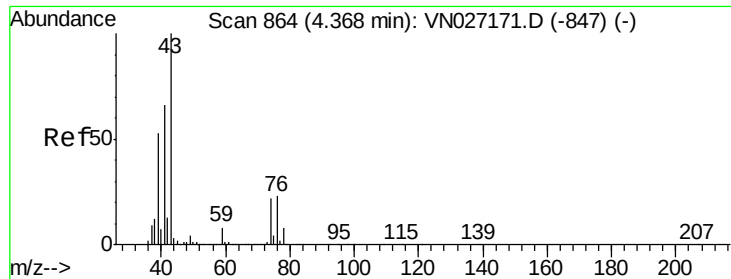
MMDadoda
 9/18/2015 12:22:32 PM



#14
 Acrolein
 Concen: 100.43 ug/l
 RT: 3.62 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
56	100		
55	70.7	55.7	83.5





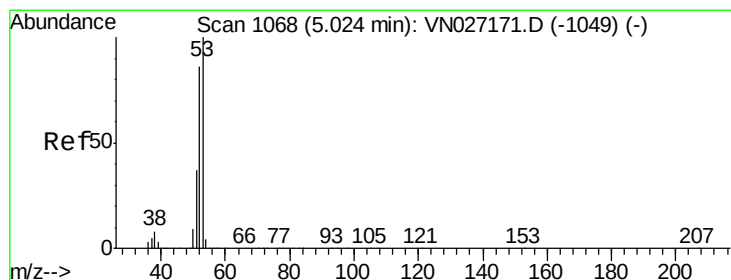
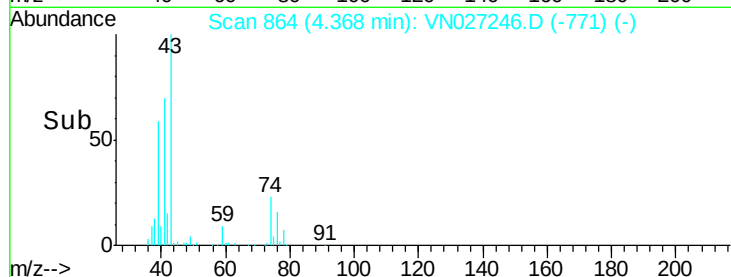
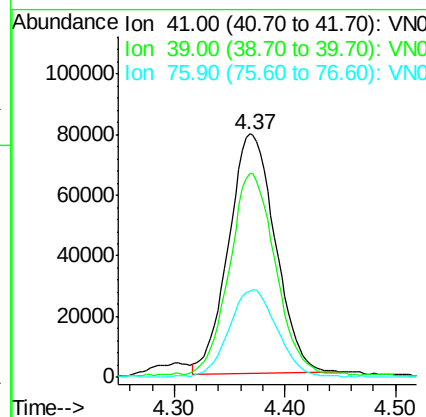
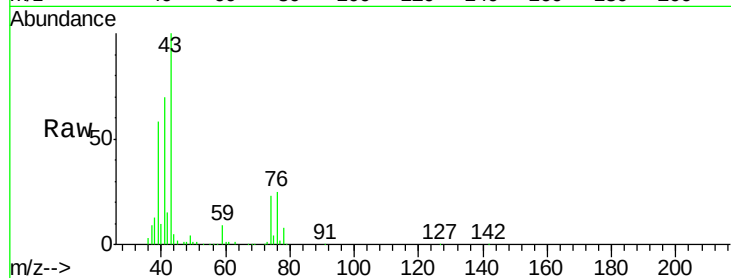
#15
Allvl chloride
Concen: 16.44 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	82.8	49.7	74.5#
76	36.4	24.8	37.2

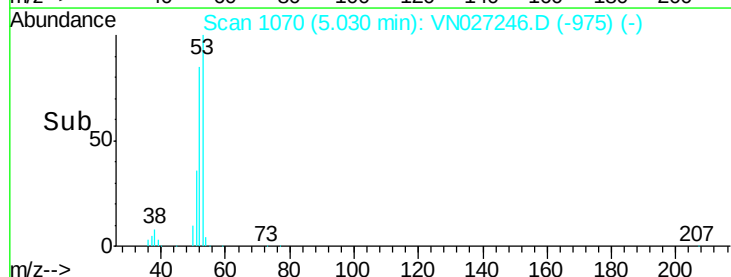
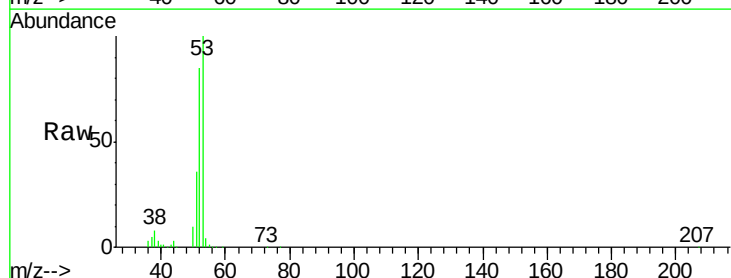
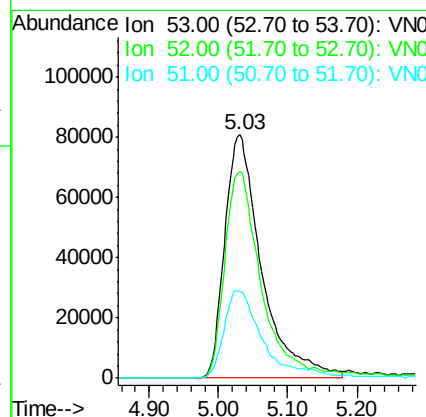
Manual Integrations
APPROVED

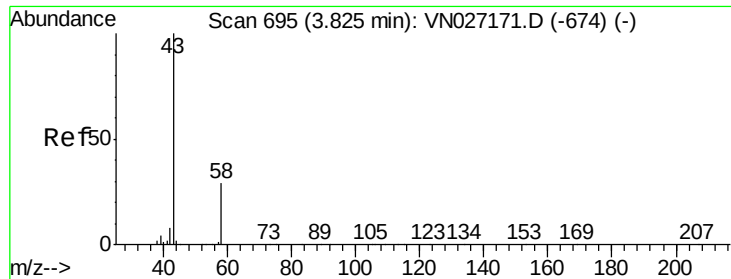
MMDadoda
9/18/2015 12:22:32 PM



#16
Acrylonitrile
Concen: 83.81 ug/l
RT: 5.03 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
53	100		
52	81.4	66.9	100.3
51	37.8	27.4	41.0





#17

Acetone

Concen: 98.82 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 43 Resp: 297595

Ion Ratio Lower Upper

43 100

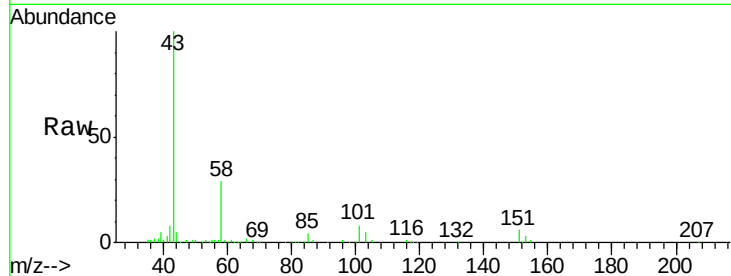
58 29.6 25.4 38.0

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

120000

100000

80000

60000

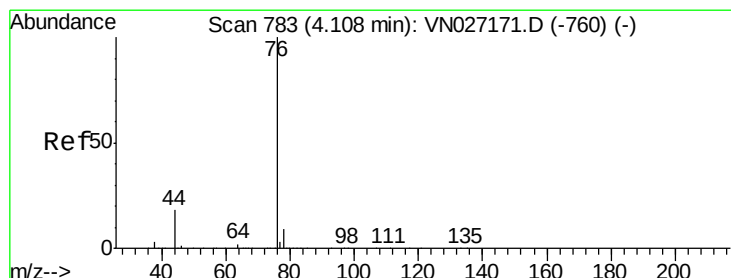
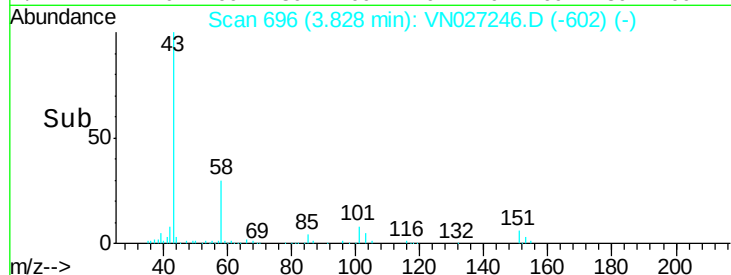
40000

20000

0

3.70 3.80 3.90

Time-->



#18

Carbon Disulfide

Concen: 16.45 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027246.D

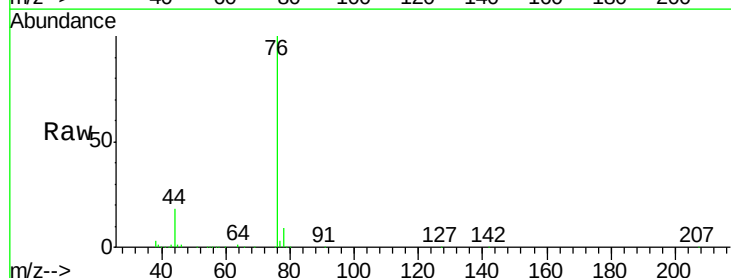
Acq: 17 Sep 2015 11:03

Tgt Ion: 76 Resp: 374862

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

150000

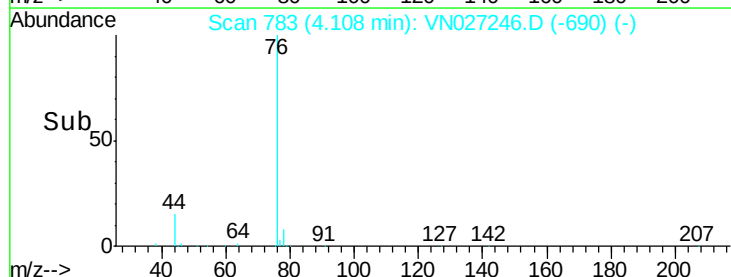
100000

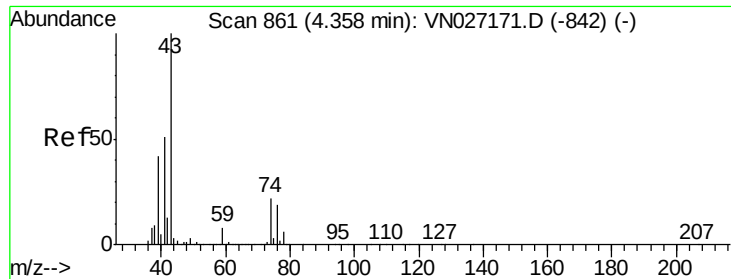
50000

0

4.00 4.10 4.20

Time-->





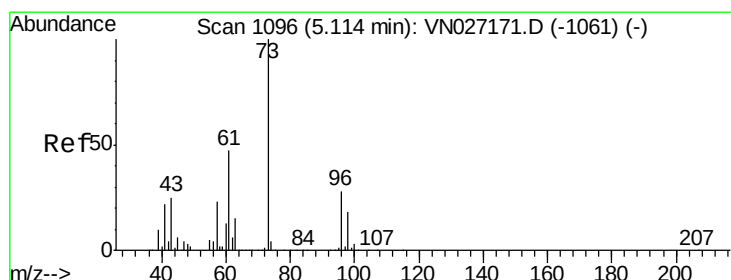
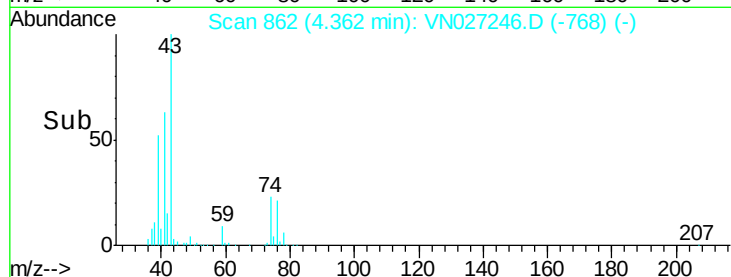
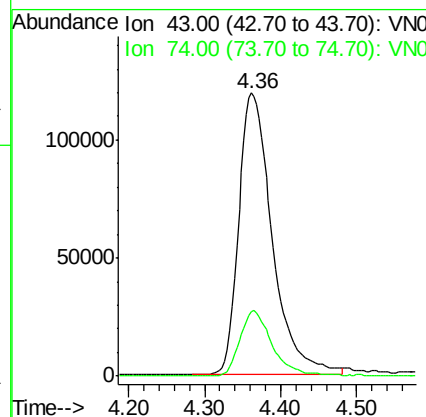
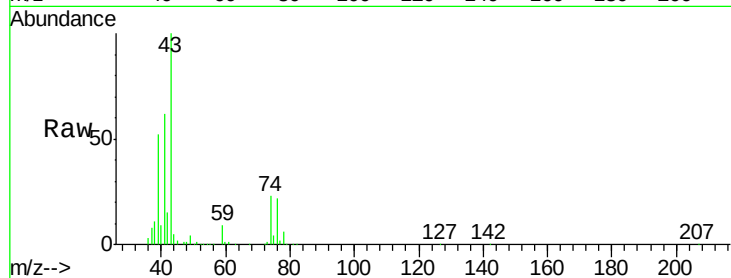
#19
Methvl Acetate
Concen: 16.79 ug/l
RT: 4.36 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	43	Resp	366158
Ion Ratio	100	Lower	Upper
43	100		
74	22.2	16.2	24.2

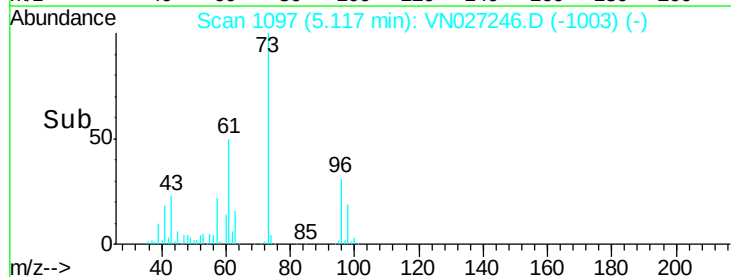
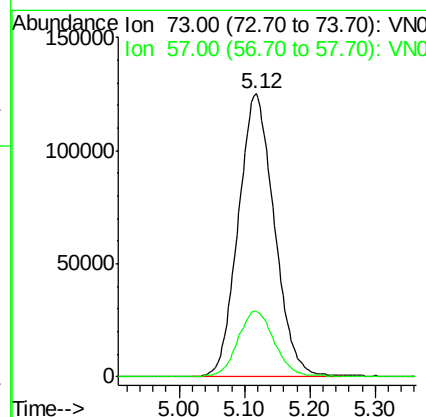
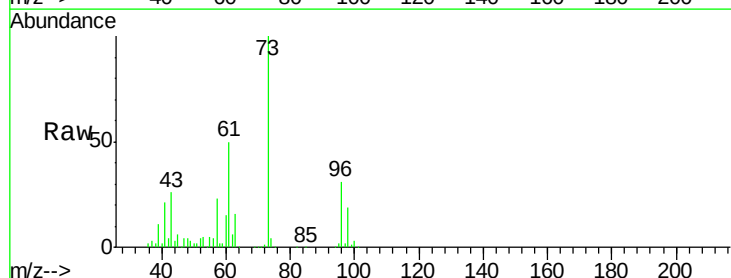
Manual Integrations
APPROVED

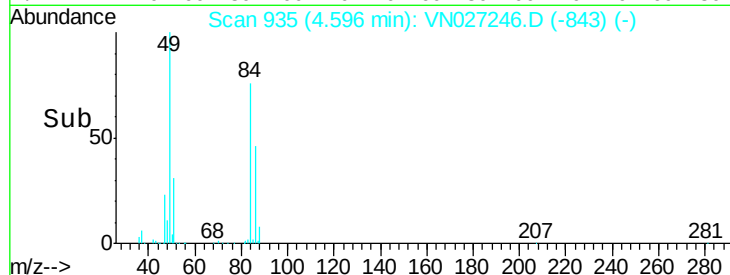
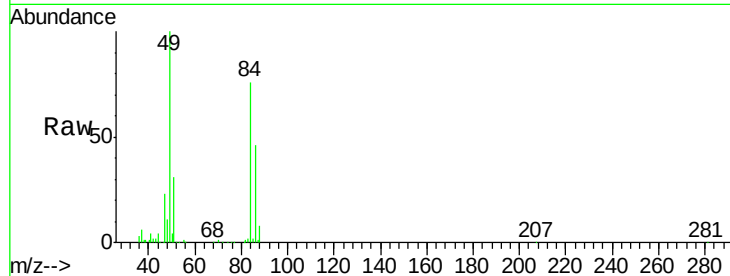
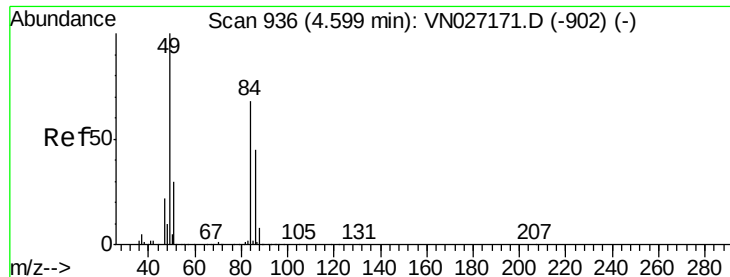
MMDadoda
9/18/2015 12:22:32 PM



#20
Methyl tert-butyl Ether
Concen: 17.08 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion	73	Resp	480058
Ion Ratio	100	Lower	Upper
73	100		
57	23.2	19.8	29.6





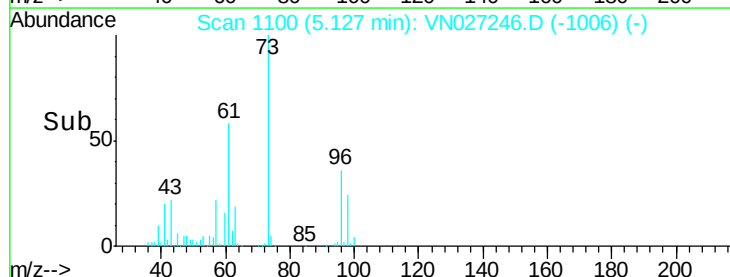
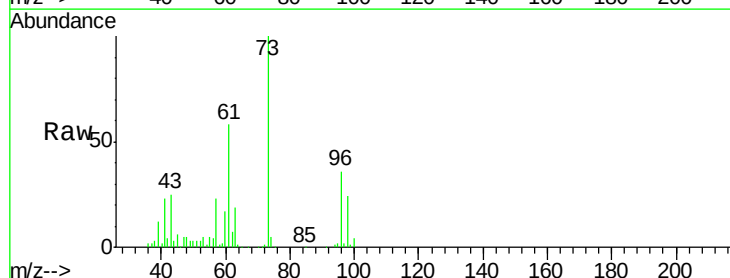
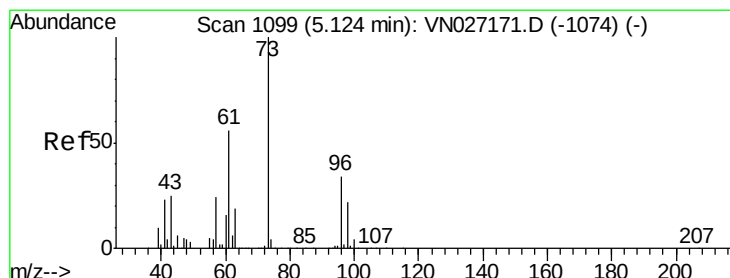
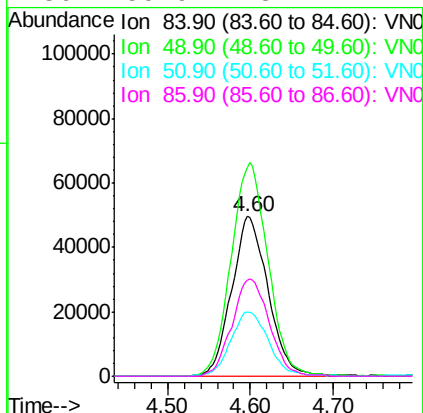
#21
Methylene Chloride
Concen: 18.06 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tot Ion:	84	Resp:	151501
Ion	Ratio	Lower	Upper
84	100		
49	131.0	112.3	168.5
51	40.4	33.8	50.8
86	59.9	48.2	72.4

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

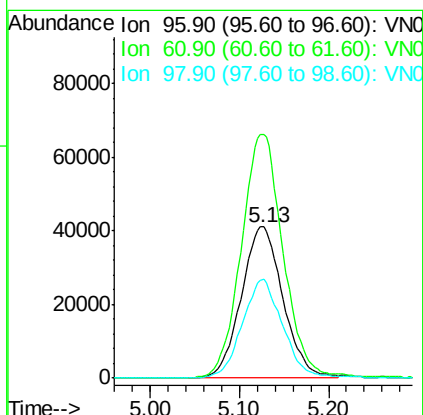
Manual Integrations
APPROVED

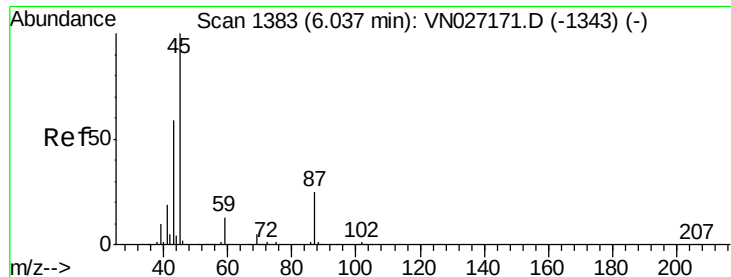
MMDadoda
9/18/2015 12:22:32 PM



#22
trans-1,2-Dichloroethene
Concen: 17.68 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion:	96	Resp:	133836
Ion	Ratio	Lower	Upper
96	100		
61	160.9	126.6	189.8
98	65.1	47.4	71.2





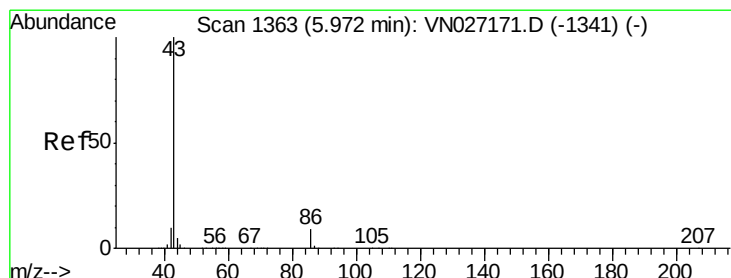
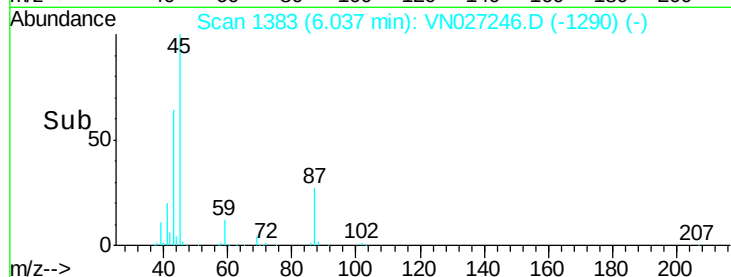
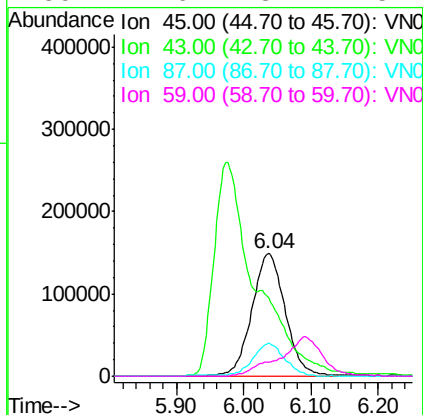
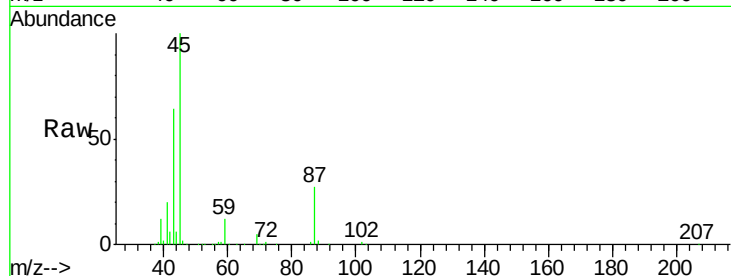
#23
Diisopropyl ether
Concen: 17.30 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
45	100		
43	63.2	41.0	61.6#
87	26.7	17.5	26.3#
59	11.6	8.7	13.1

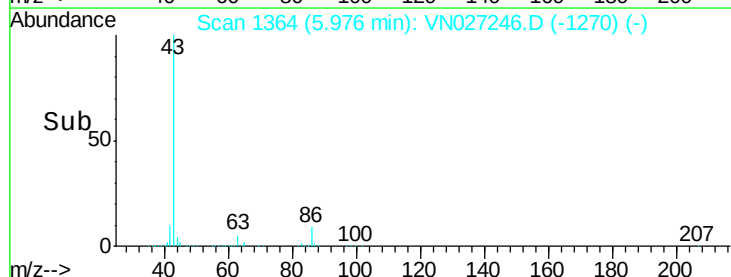
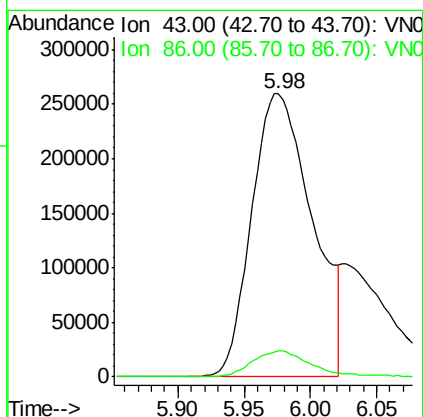
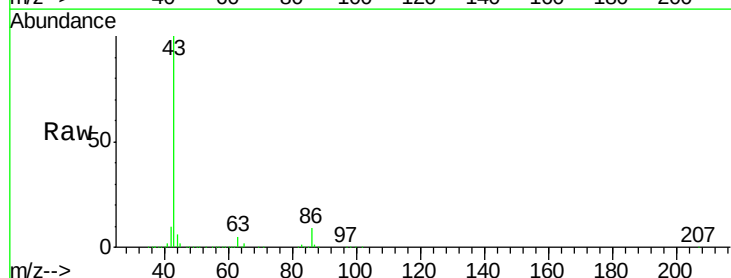
Manual Integrations
APPROVED

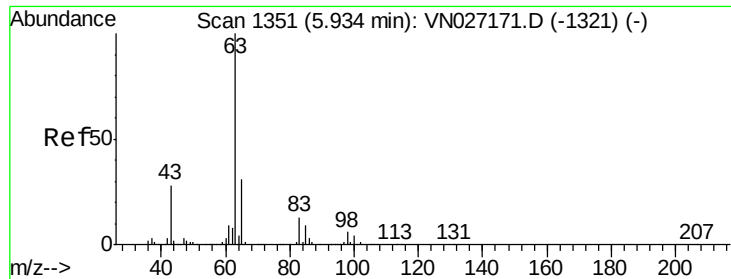
MMDadoda
9/18/2015 12:22:32 PM



#24
Vinyl Acetate
Concen: 83.82 ug/l
RT: 5.98 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.9	10.3





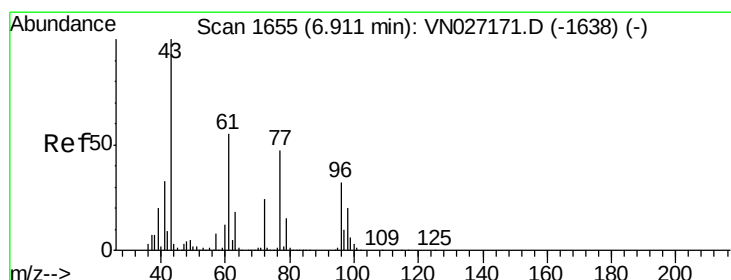
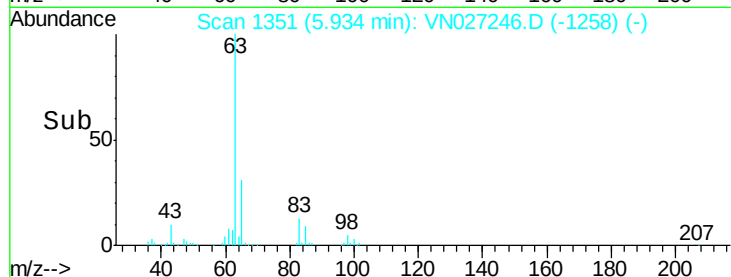
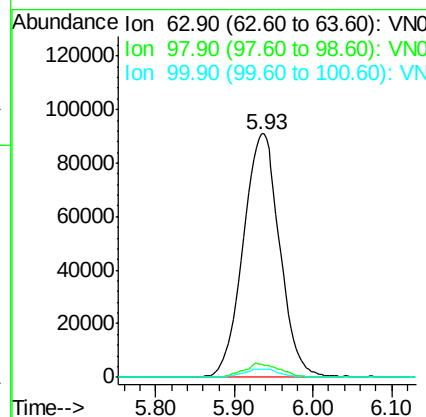
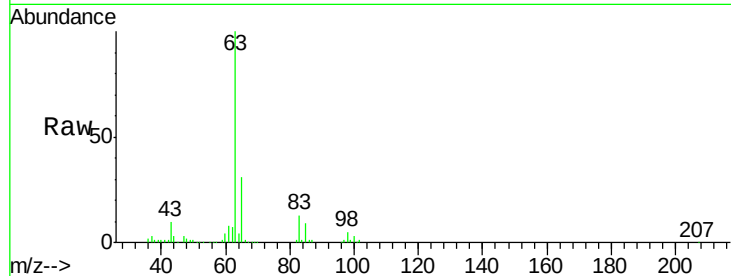
#25
 1,1-Dichloroethane
 Concen: 17.28 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	297743		
98	5.3		2.8	8.3
100	3.2		1.7	5.0

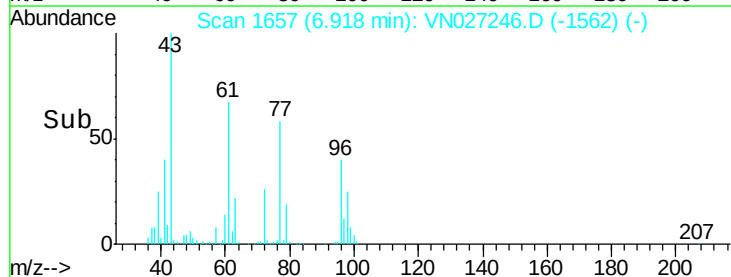
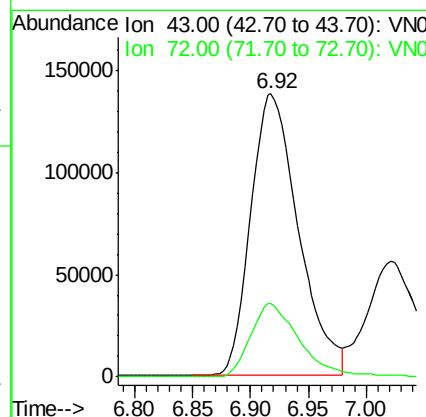
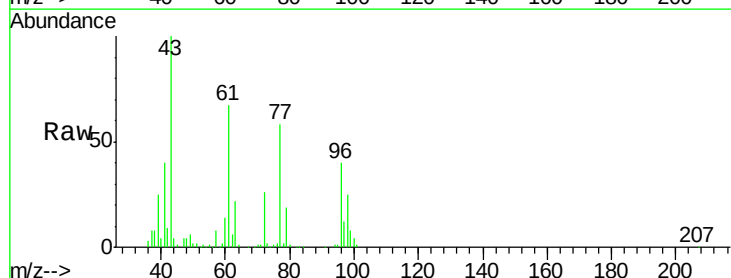
Manual Integrations
 APPROVED

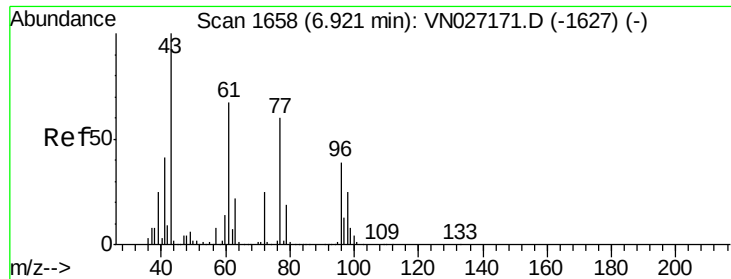
MMDadoda
 9/18/2015 12:22:32 PM



#26
 2-Butanone
 Concen: 87.28 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.01 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	395781		
72	26.3		18.8	28.2





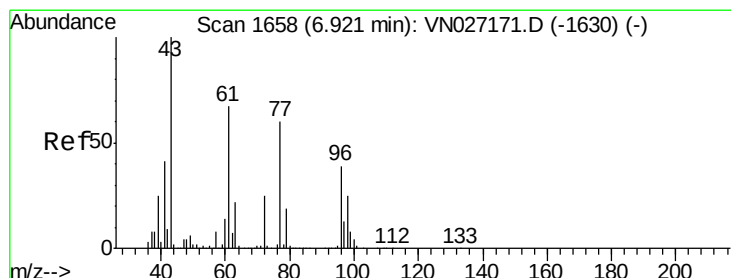
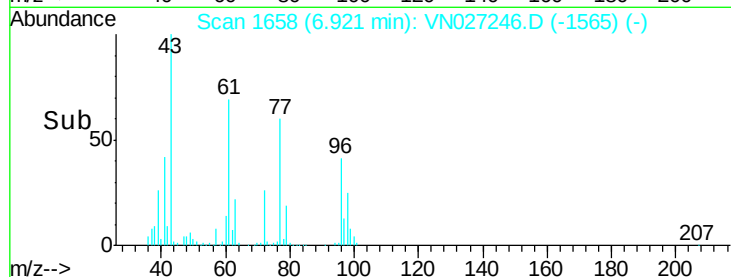
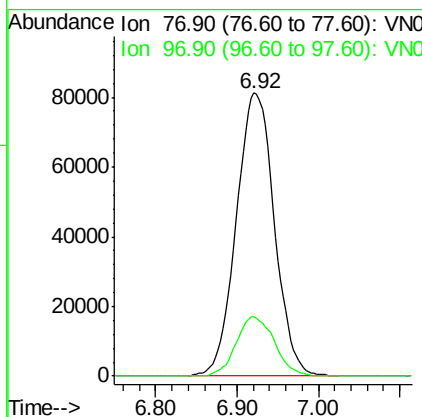
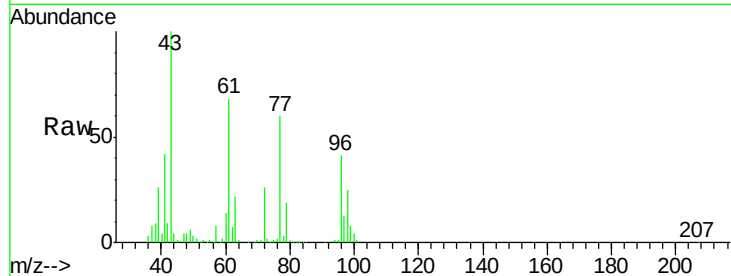
#27
 2,2-Dichloropropane
 Concen: 17.55 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion: 77 Resp: 262340
 Ion Ratio Lower Upper
 77 100
 97 21.1 11.8 35.3

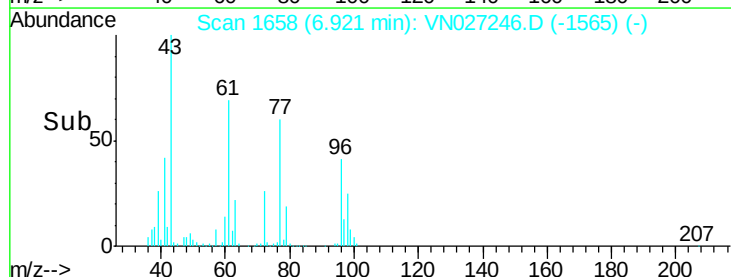
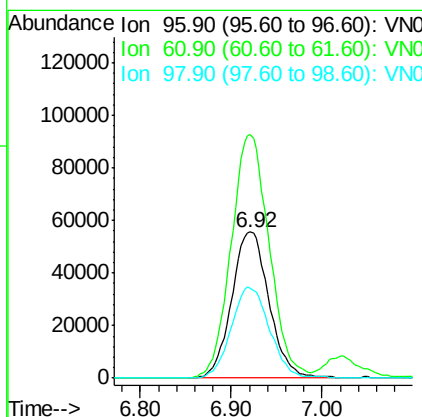
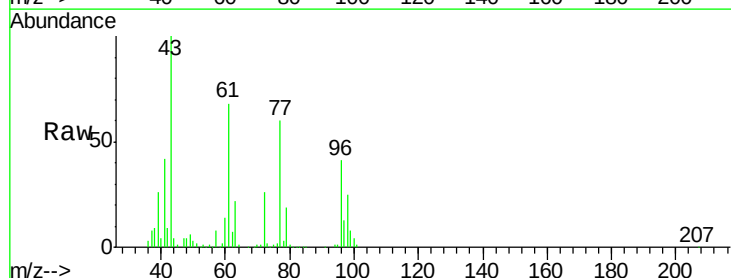
Manual Integrations
 APPROVED

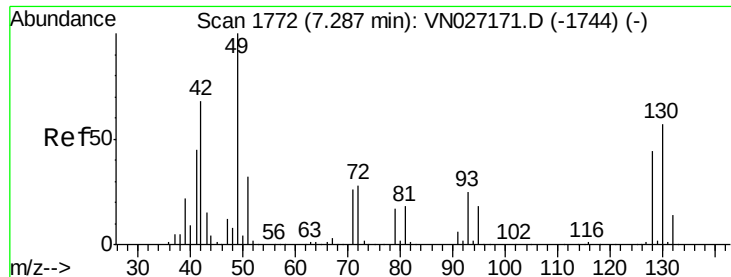
MMDadoda
 9/18/2015 12:22:32 PM



#28
 cis-1,2-Dichloroethene
 Concen: 18.30 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion: 96 Resp: 158905
 Ion Ratio Lower Upper
 96 100
 61 169.2 0.0 329.2
 98 63.8 0.0 126.0





#29

Bromochloromethane

Concen: 16.40 ug/l

RT: 7.29 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0917WBS01

Tot Ion: 49 Resp: 109708

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.2

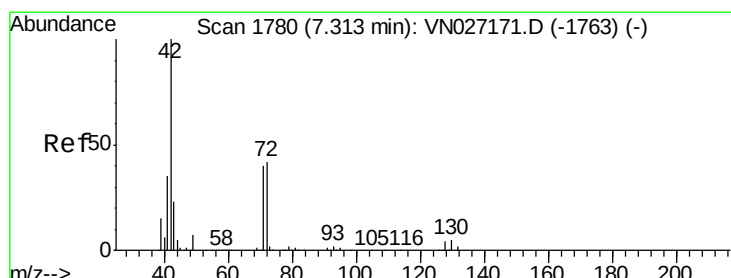
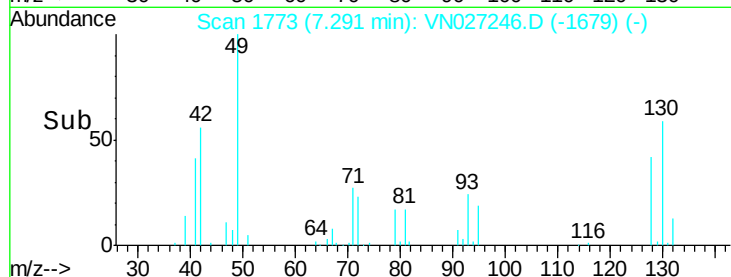
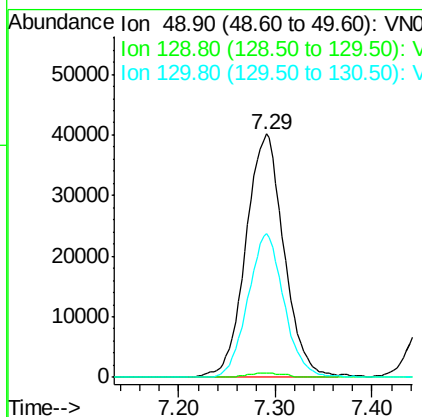
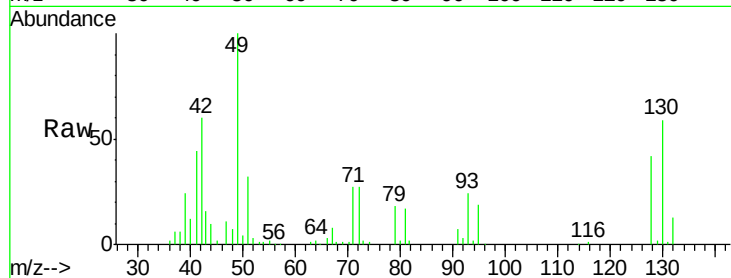
130 55.9 43.2 64.8

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



#30

Tetrahydrofuran

Concen: 76.05 ug/l

RT: 7.32 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

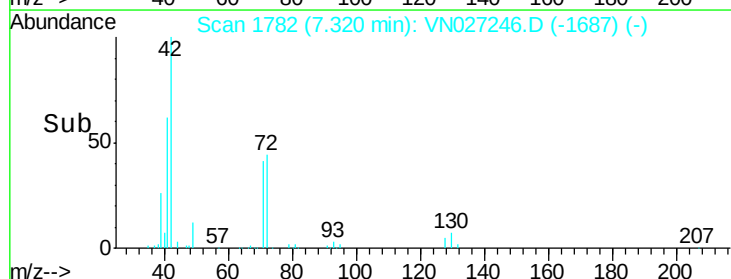
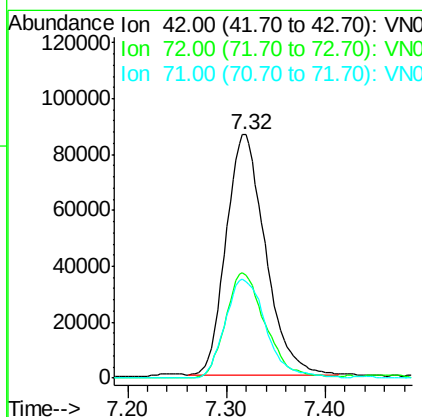
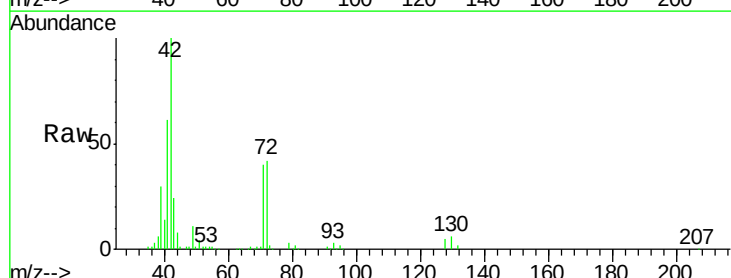
Tgt Ion: 42 Resp: 237678

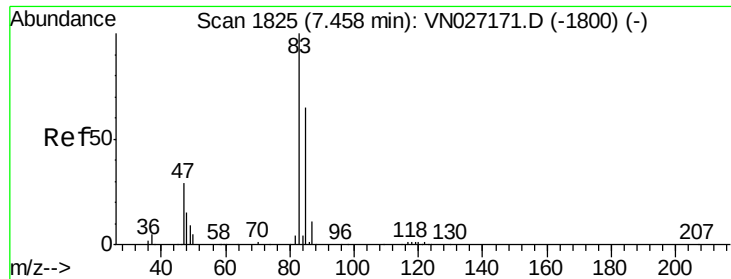
Ion Ratio Lower Upper

42 100

72 44.8 29.9 44.9

71 43.3 28.3 42.5#





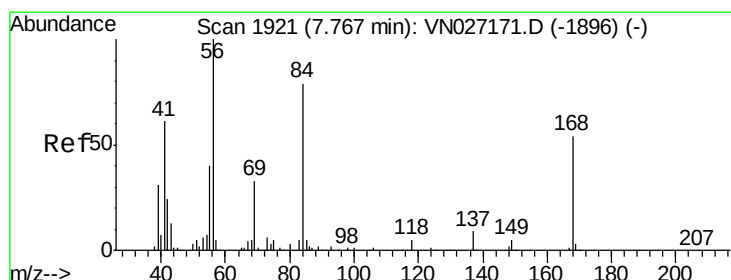
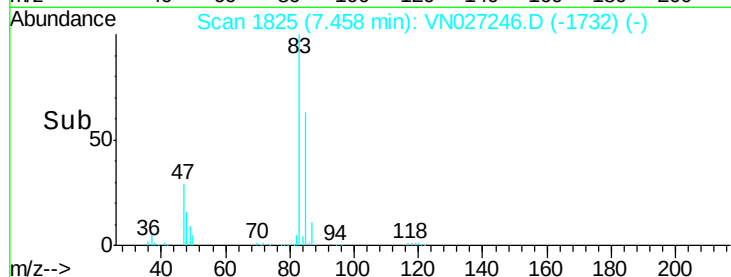
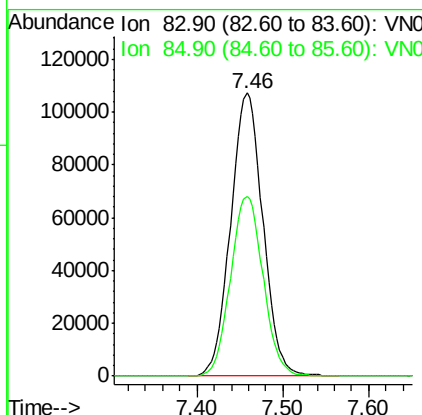
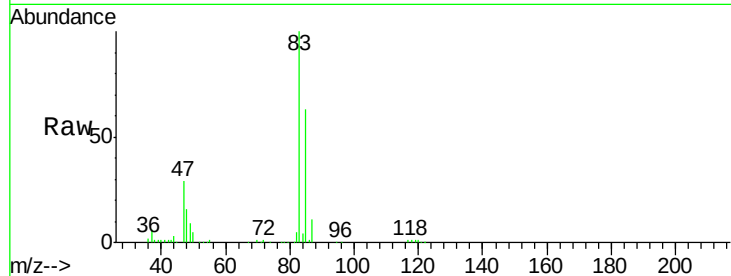
#31
Chloroform
Concen: 17.97 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	83	Resp	279732
Ion Ratio	100	Lower	Upper
85	63.5	51.1	76.7

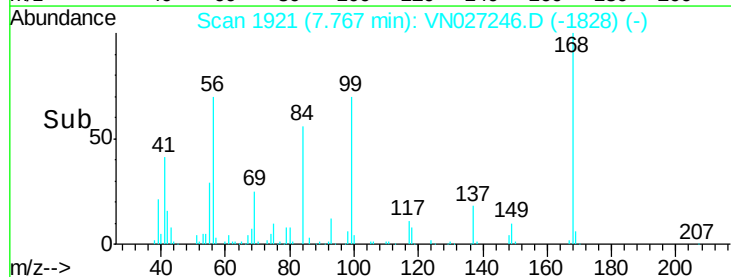
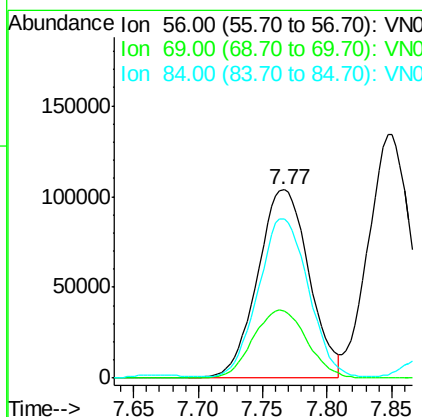
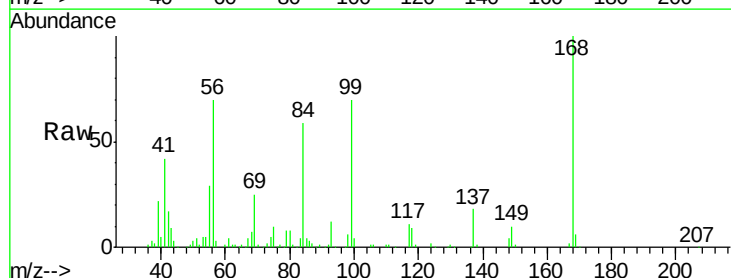
Manual Integrations
APPROVED

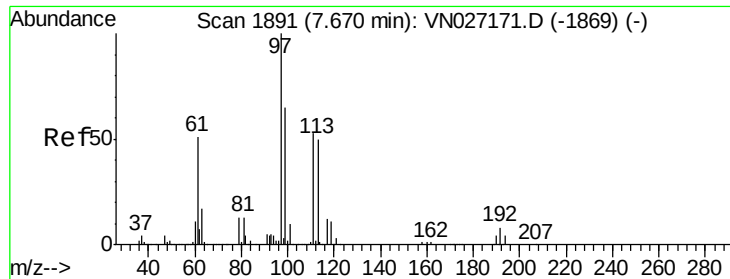
MMDadoda
9/18/2015 12:22:32 PM



#32
Cyclohexane
Concen: 18.14 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion	56	Resp	287301
Ion Ratio	100	Lower	Upper
69	35.5	23.0	34.4#
84	83.7	57.8	86.8





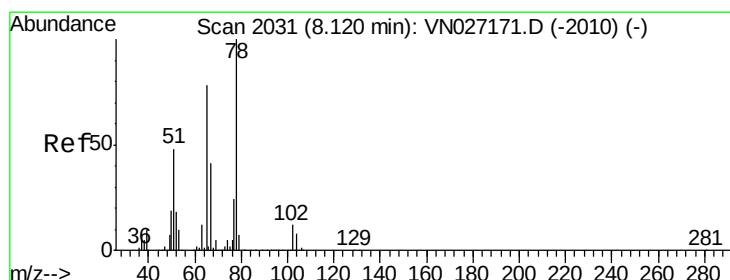
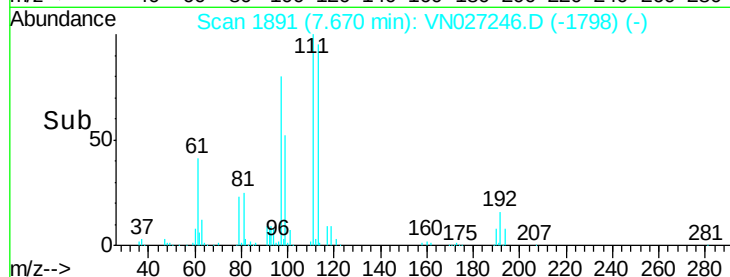
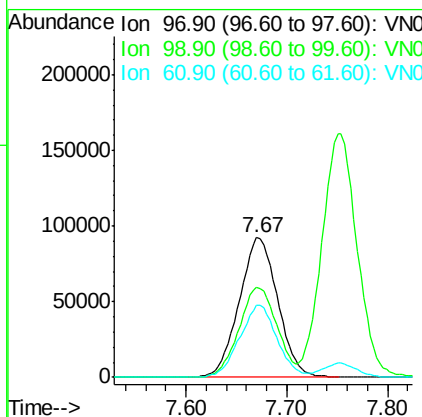
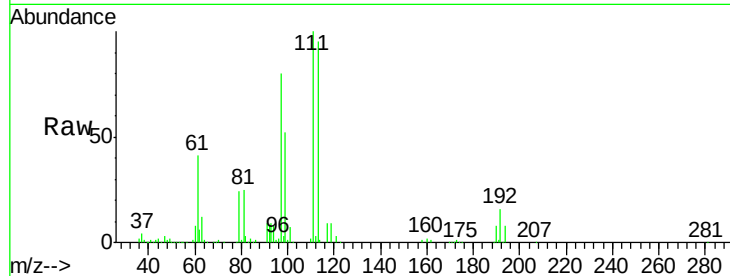
#33
 1,1,1-Trichloroethane
 Concen: 17.63 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		244734		
99	63.4	50.1	75.1		
61	50.2	44.0	66.0		

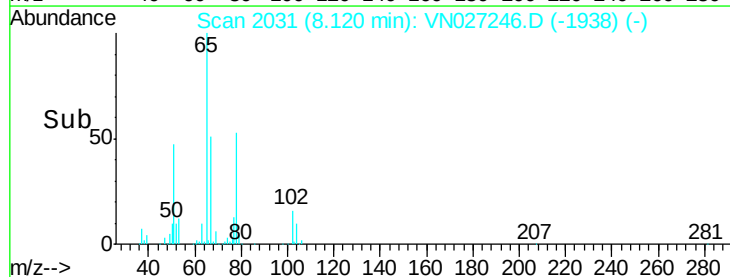
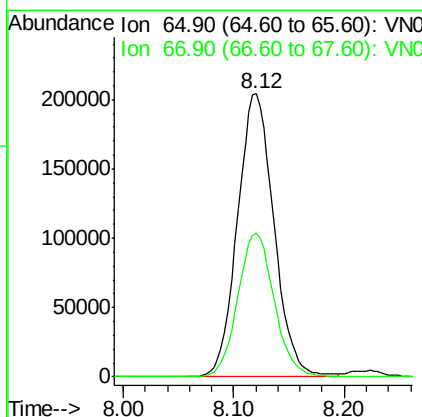
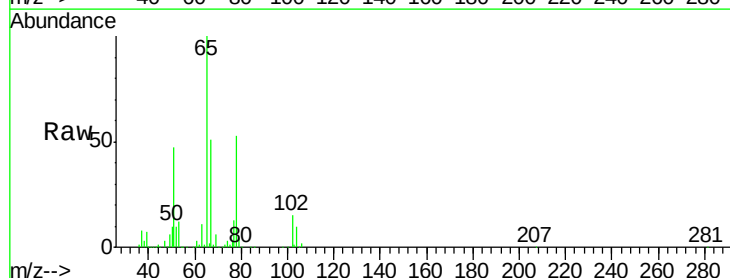
Manual Integrations
 APPROVED

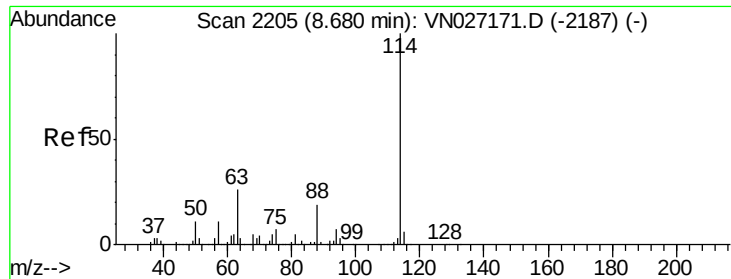
MMDadoda
 9/18/2015 12:22:32 PM



#34
 1,2-Dichloroethane-d4
 Concen: 41.87 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		467655		
67	50.5	0.0	110.6		





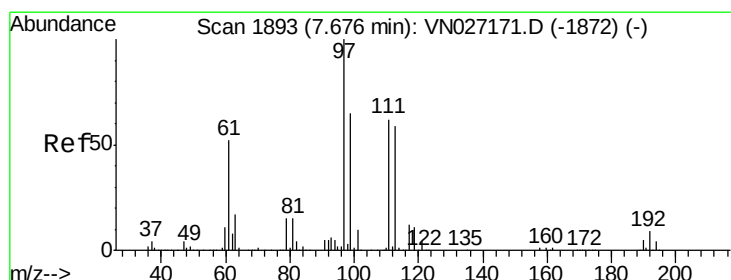
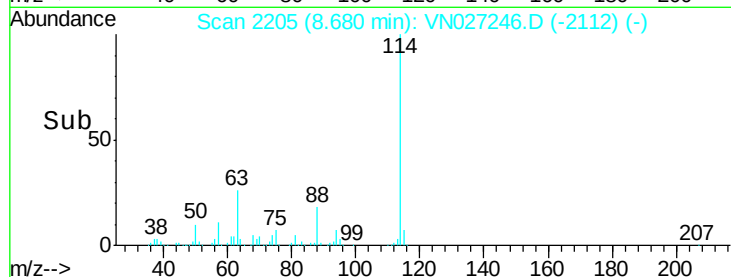
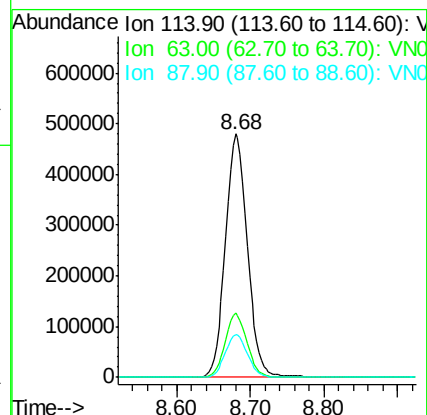
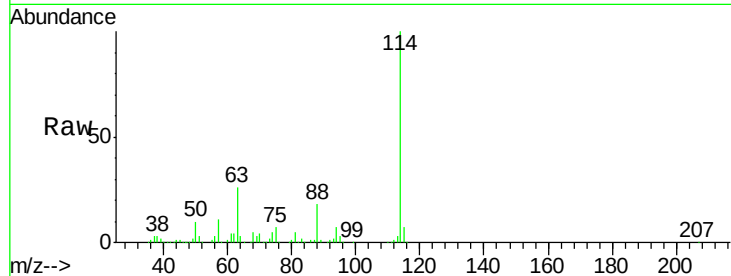
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
114	100	998789		
63	26.3		0.0	48.8
88	17.7		0.0	32.2

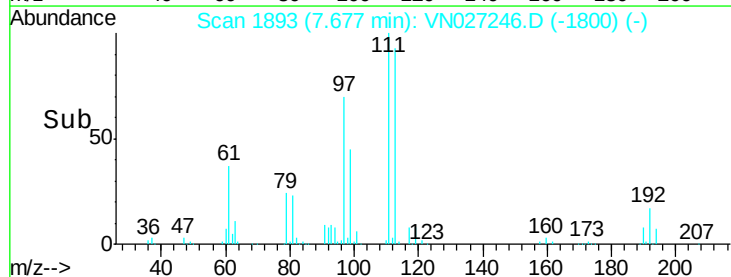
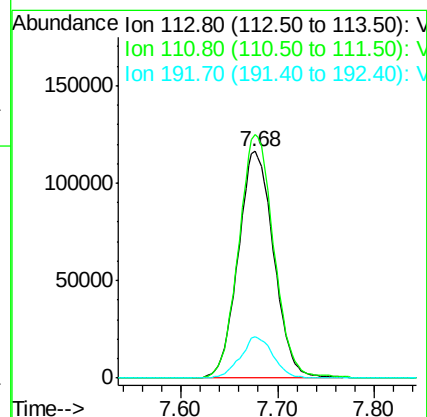
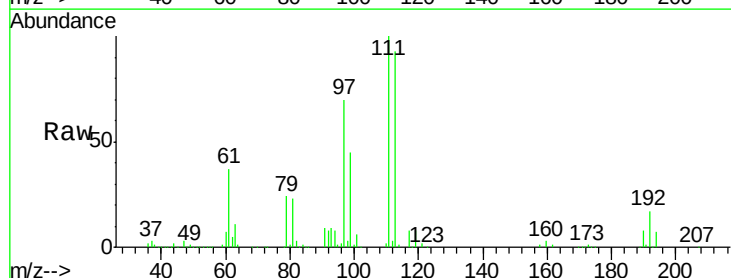
Manual Integrations
 APPROVED

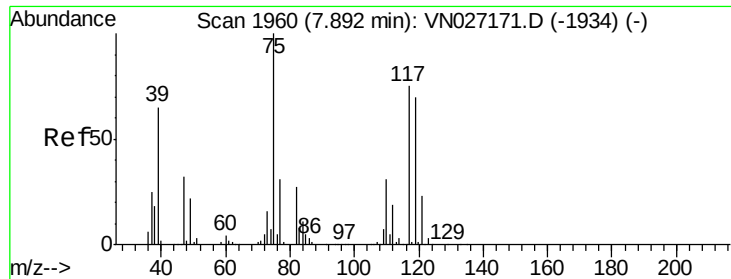
MMDadoda
 9/18/2015 12:22:32 PM



#36
 Dibromofluoromethane
 Concen: 42.91 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	297082		
111	106.5		83.0	124.4
192	16.8		14.1	21.1





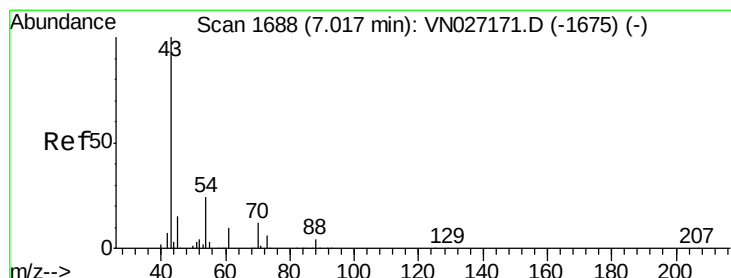
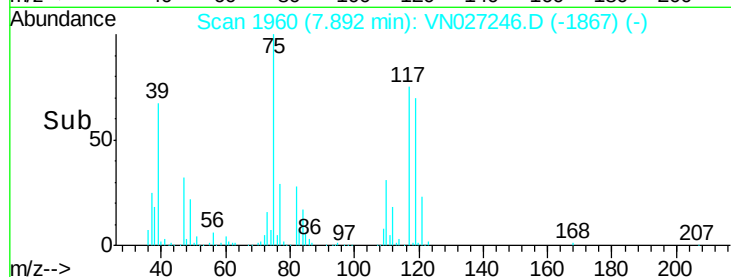
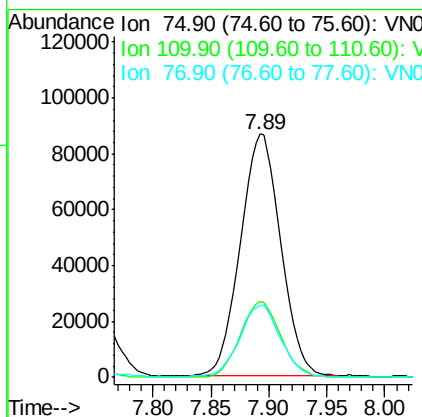
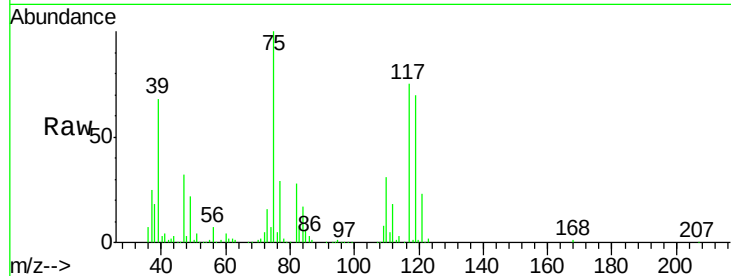
#37
 1,1-Dichloropropene
 Concen: 17.84 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	31.6	15.9	47.7	
77	29.9	24.9	37.3	

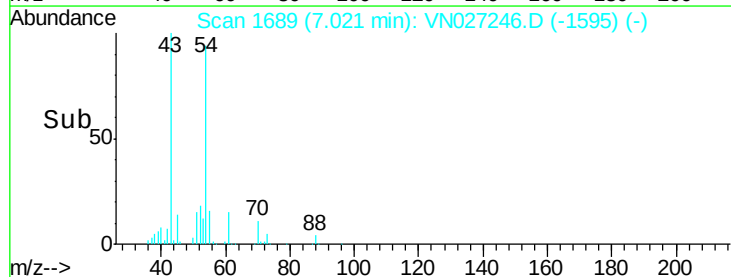
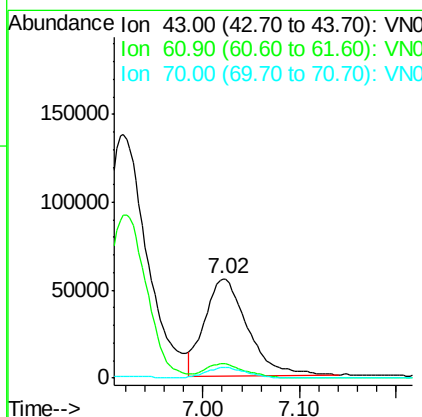
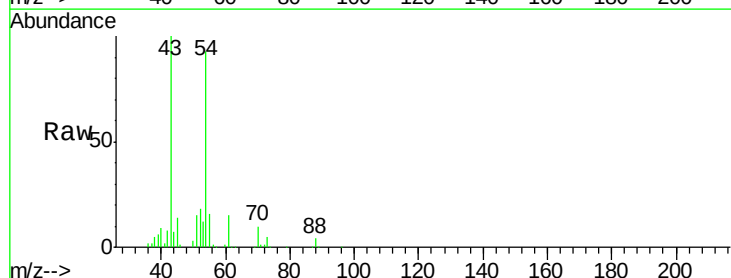
Manual Integrations
 APPROVED

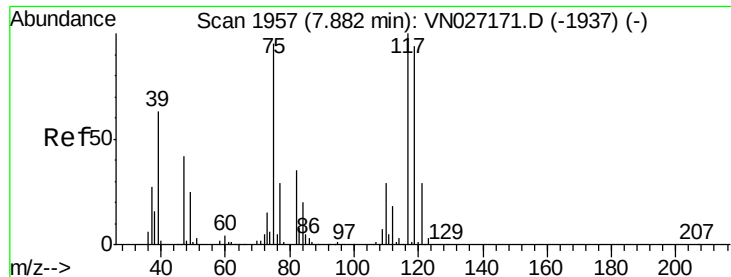
MMDadoda
 9/18/2015 12:22:32 PM



#38
 Ethyl Acetate
 Concen: 16.29 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.0	10.2	15.4	
70	10.1	7.4	11.0	





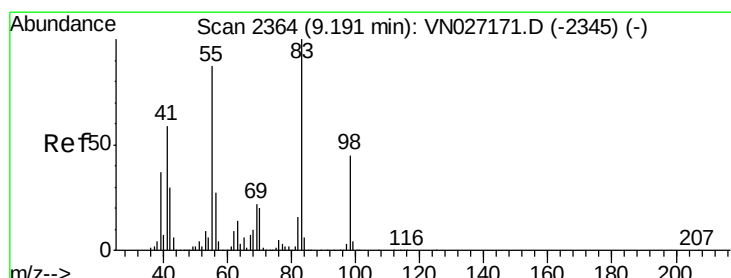
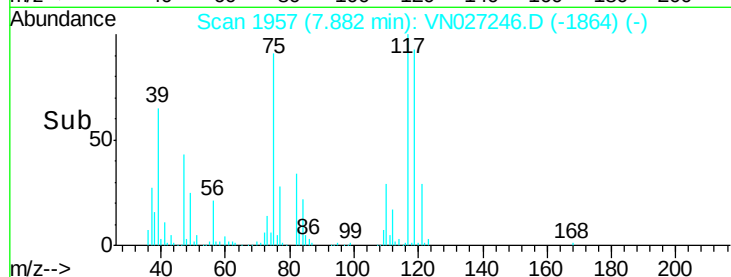
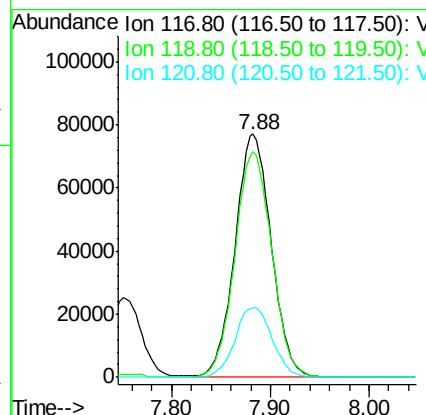
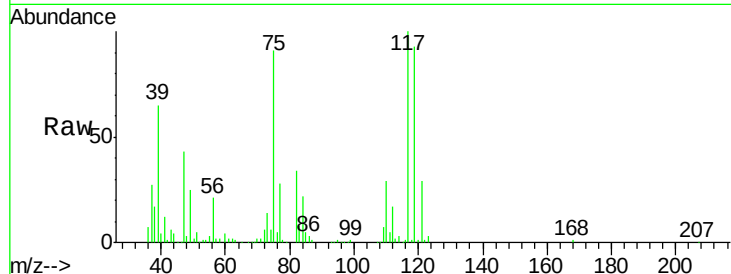
#39
Carbon Tetrachloride
Concen: 17.95 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampled :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.5	75.3	112.9
121	28.6	23.8	35.8

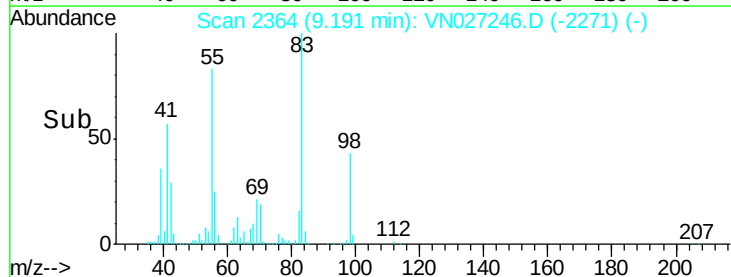
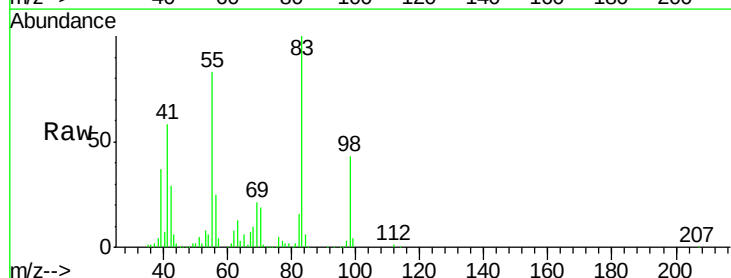
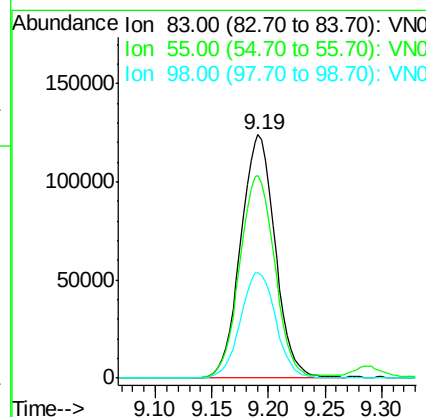
Manual Integrations
APPROVED

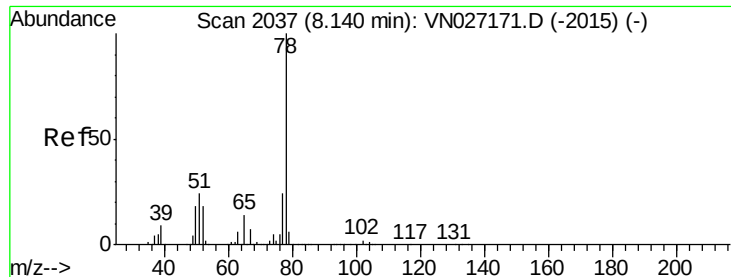
MMDadoda
9/18/2015 12:22:32 PM



#40
Methylcyclohexane
Concen: 18.51 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
83	100		
55	83.1	69.8	104.8
98	43.4	34.3	51.5





#41

Benzene

Concen: 18.17 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 78 Resp: 619779

Ion Ratio Lower Upper

78 100

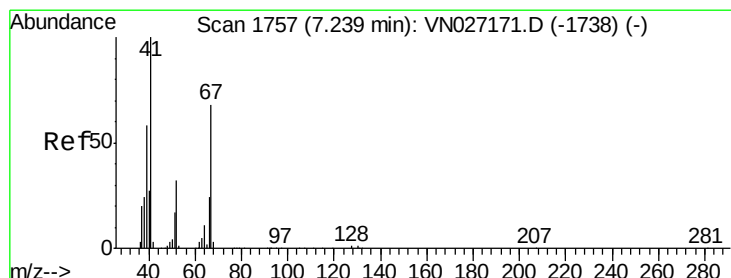
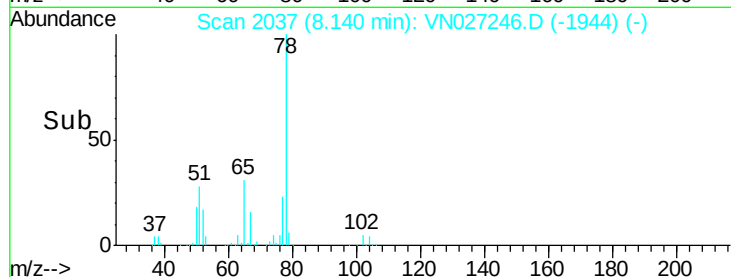
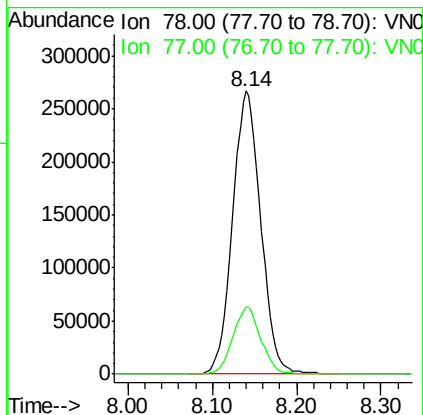
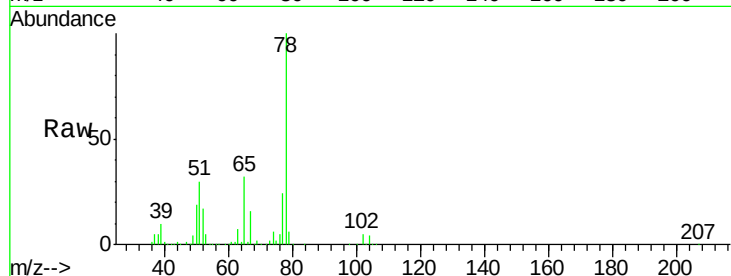
77 23.7 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



#42

Methacrylonitrile

Concen: 16.21 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Tgt Ion: 41 Resp: 91610

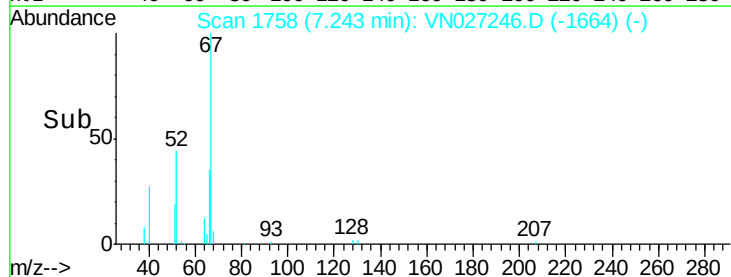
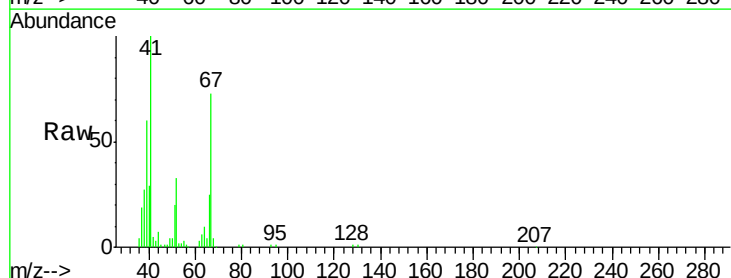
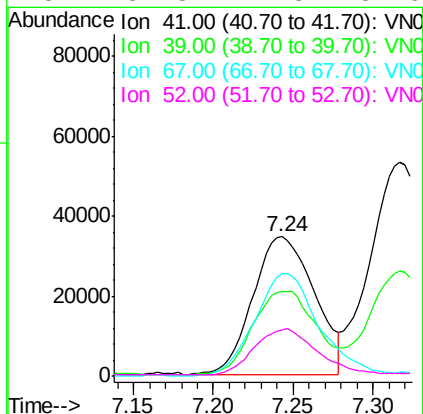
Ion Ratio Lower Upper

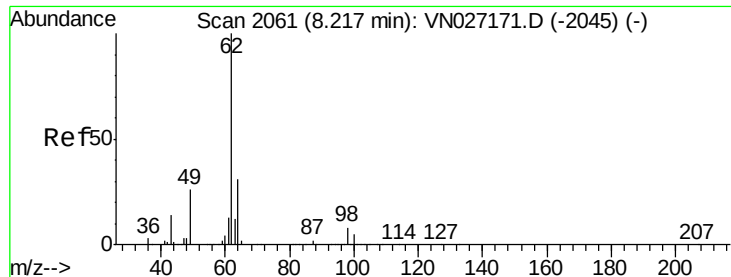
41 100

39 62.5 43.0 64.6

67 78.3 52.2 78.2#

52 34.8 21.3 31.9#





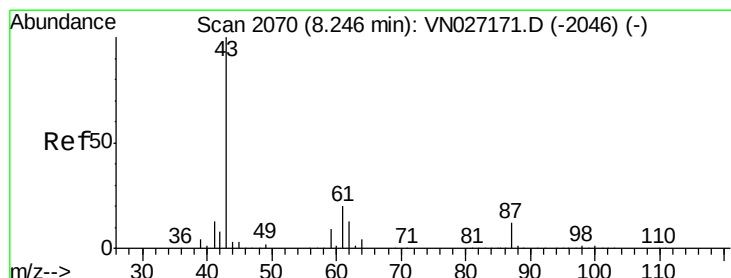
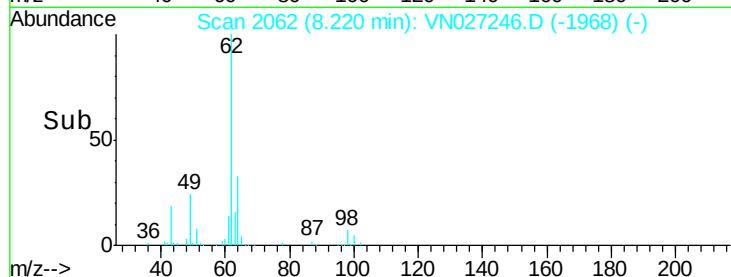
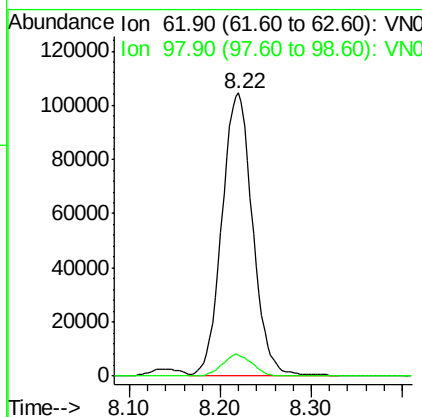
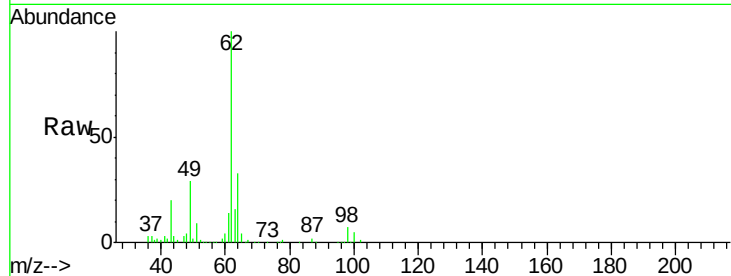
#43
 1,2-Dichloroethane
 Concen: 17.75 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
62	100	243991		
98	7.5	0.0	18.0	

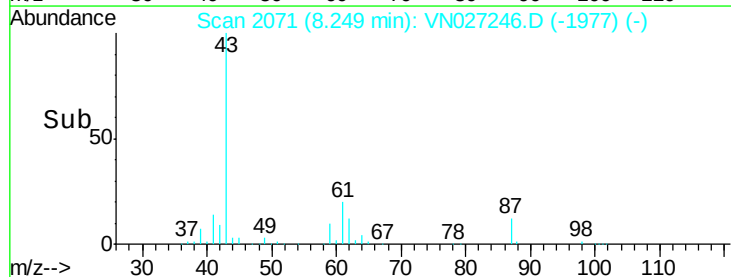
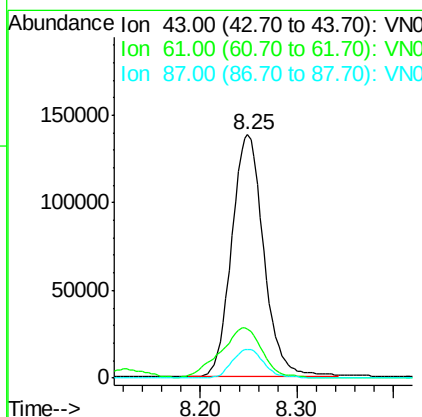
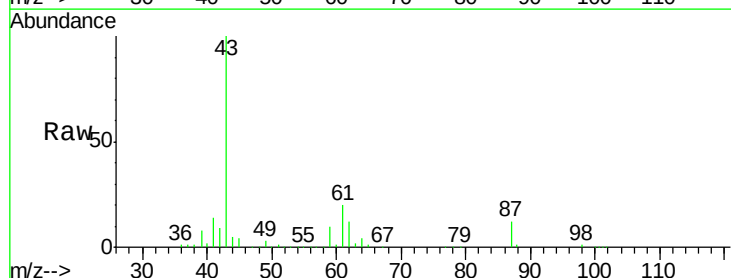
Manual Integrations
 APPROVED

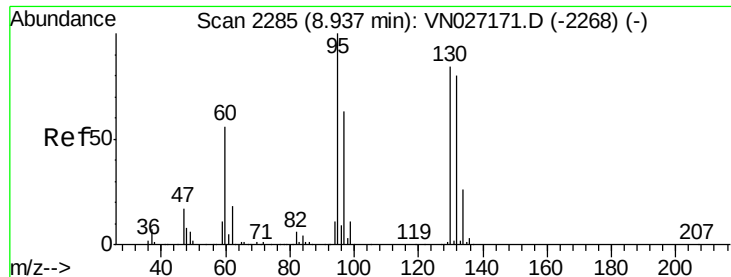
MMDadoda
 9/18/2015 12:22:32 PM



#44
 Isopropyl Acetate
 Concen: 17.08 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	319079		
61	26.4	20.6	31.0	
87	11.9	8.6	13.0	





#45

Trichloroethene

Concen: 18.19 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:130 Resp: 124667

Ion Ratio Lower Upper

130 100

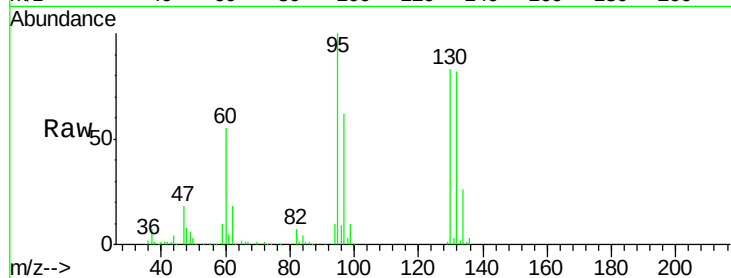
95 120.9 0.0 222.2

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

80000

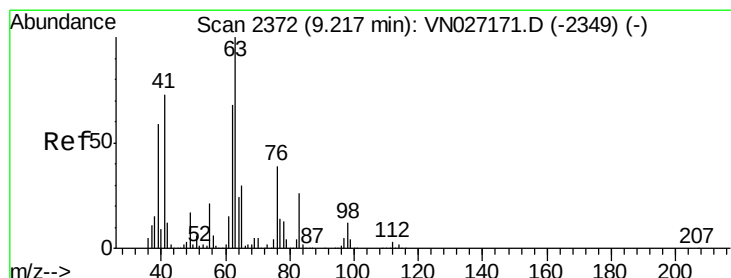
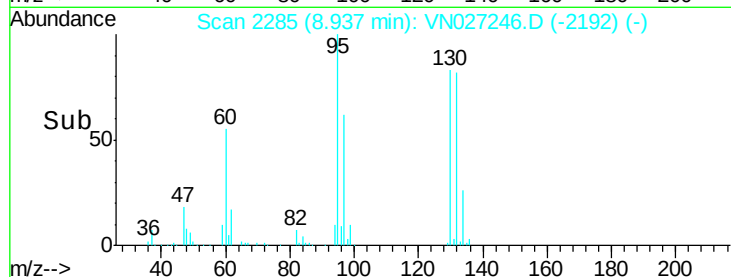
60000

40000

20000

0

Time--> 8.85 8.90 8.95 9.00



#46

1,2-Dichloropropane

Concen: 17.87 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN027246.D

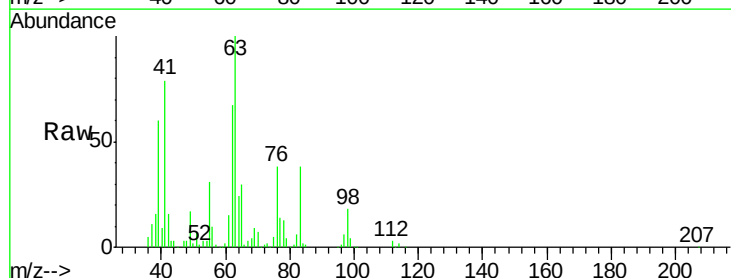
Acq: 17 Sep 2015 11:03

Tgt Ion: 63 Resp: 175399

Ion Ratio Lower Upper

63 100

65 30.3 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

100000

80000

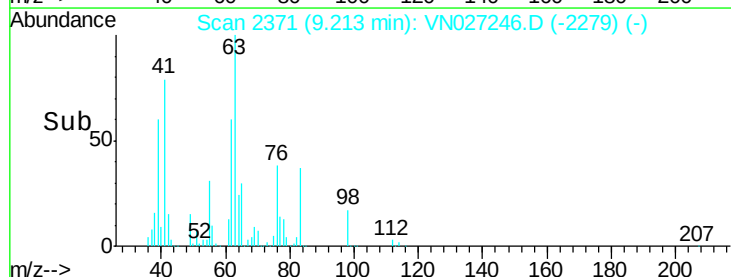
60000

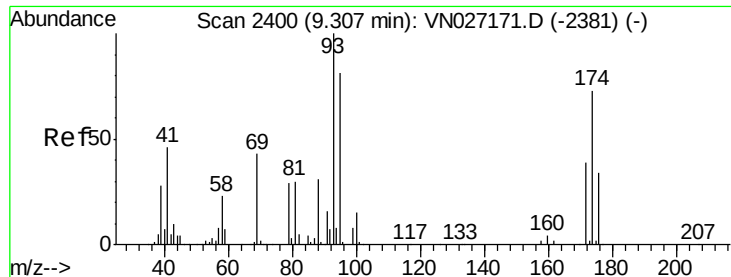
40000

20000

0

Time--> 9.10 9.20 9.30





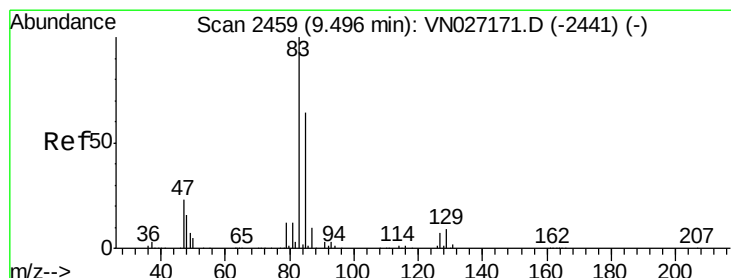
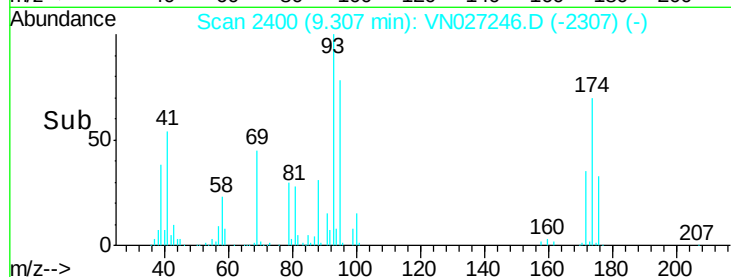
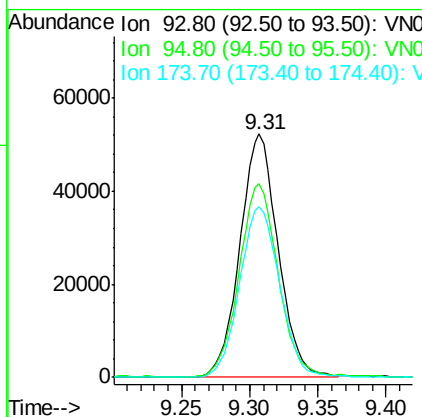
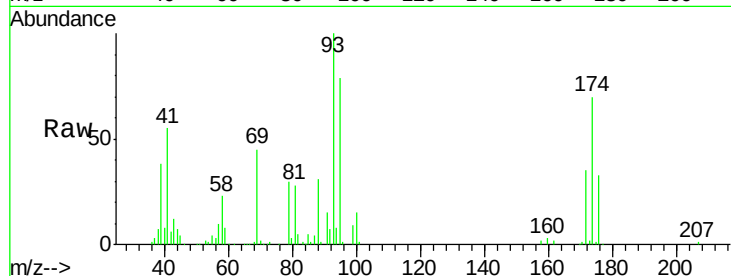
#47
 Dibromomethane
 Concen: 17.65 ug/l
 RT: 9.31 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
93	100	101717		
95	81.9	66.3	99.5	
174	73.4	67.8	101.6	

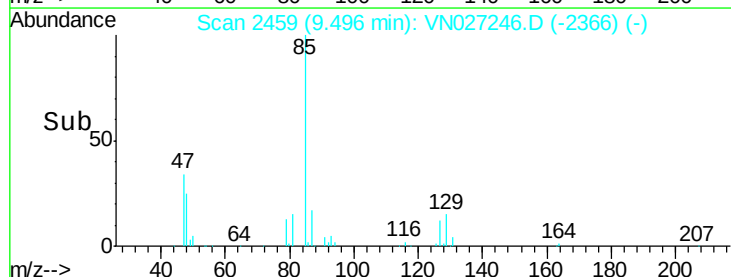
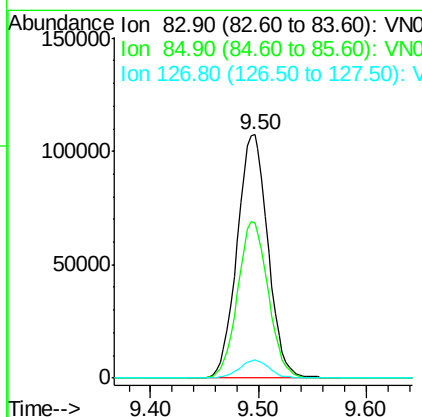
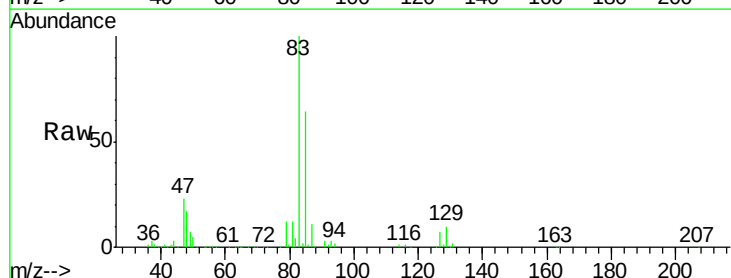
Manual Integrations
 APPROVED

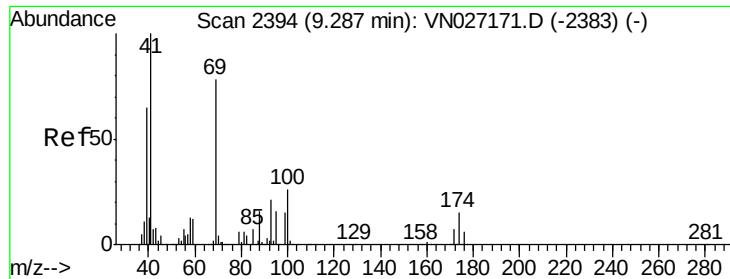
MMDadoda
 9/18/2015 12:22:32 PM



#48
 Bromodichloromethane
 Concen: 17.60 ug/l
 RT: 9.50 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	213768		
85	63.7	50.7	76.1	
127	7.3	5.5	8.3	





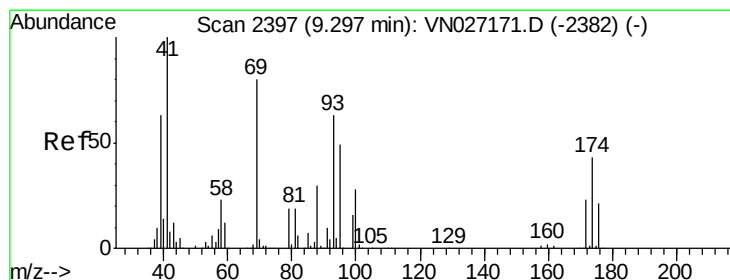
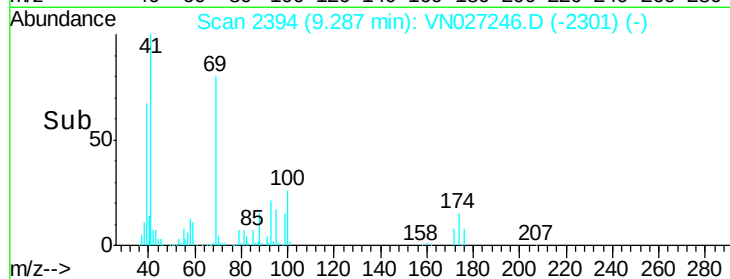
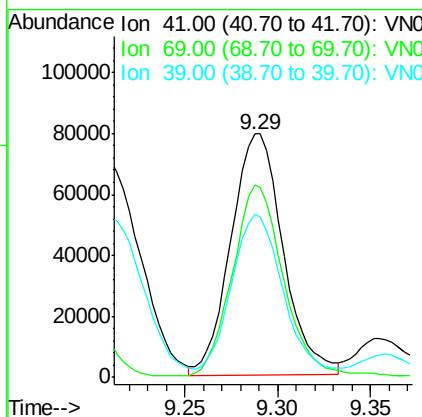
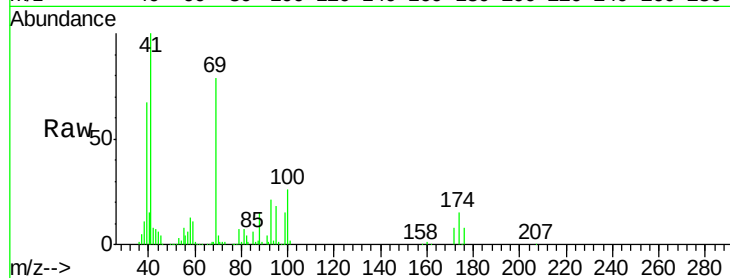
#49
Methvl methacrylate
Concen: 16.72 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampled :
VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	155619		
69	78.3	59.3	88.9	
39	66.7	39.5	59.3#	

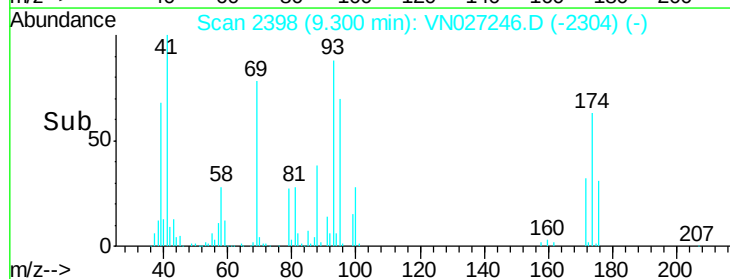
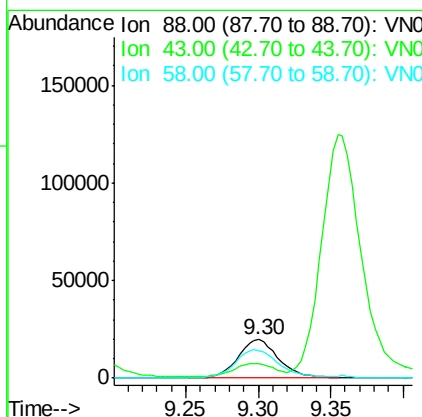
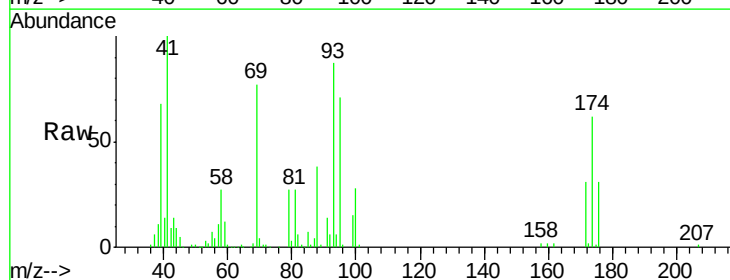
Manual Integrations
APPROVED

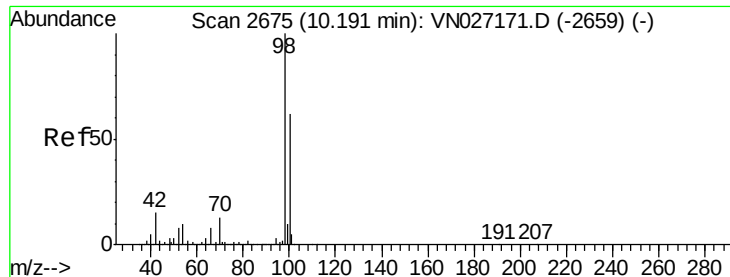
MMDadoda
9/18/2015 12:22:32 PM



#50
1,4-Dioxane
Concen: 353.68 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	38613		
43	35.8	27.6	41.4	
58	79.8	63.1	94.7	





#51

Toluene-d8

Concen: 42.69 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion: 98 Resp: 1157200

Ion Ratio Lower Upper

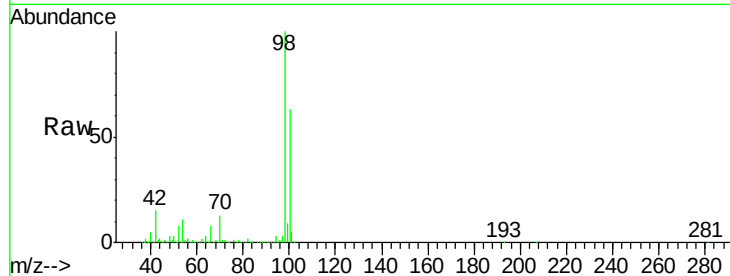
98 100

100 62.9 50.5 75.7

Manual Integrations
APPROVED

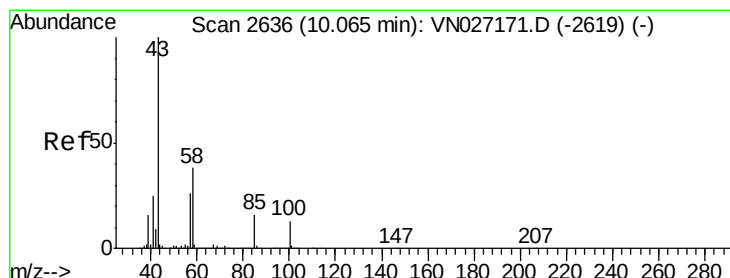
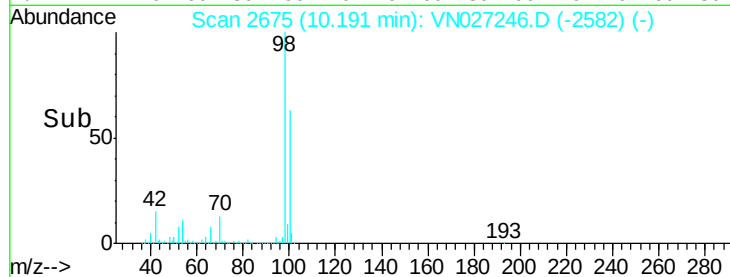
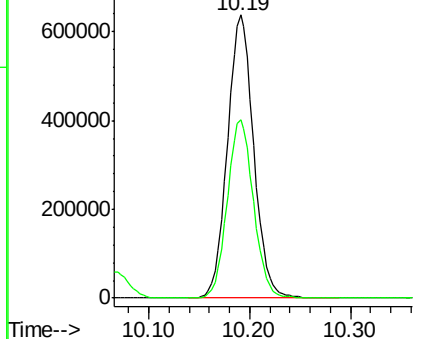
MMDadoda

9/18/2015 12:22:32 PM



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

4-Methyl-2-Pentanone

Concen: 84.86 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027246.D

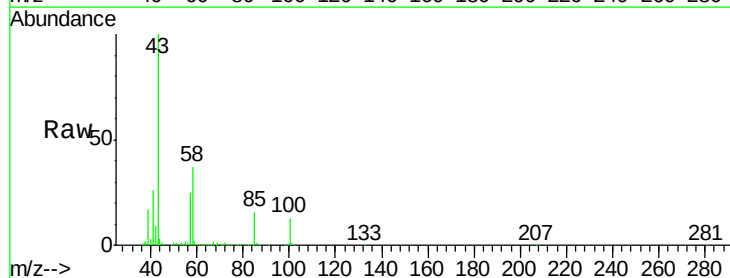
Acq: 17 Sep 2015 11:03

Tgt Ion: 43 Resp: 838258

Ion Ratio Lower Upper

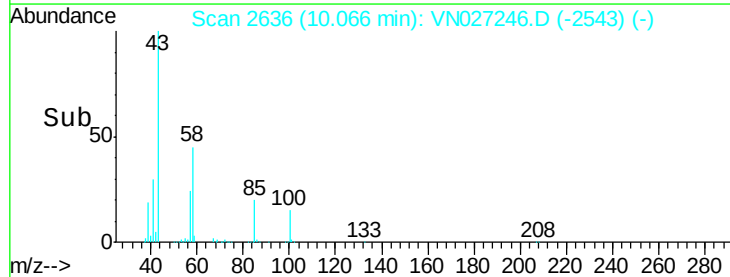
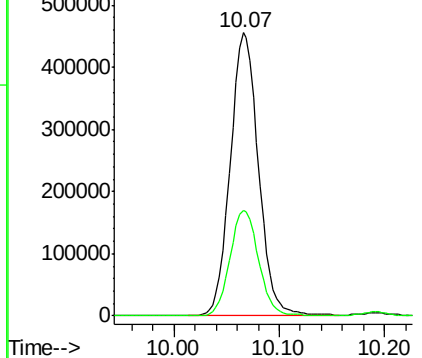
43 100

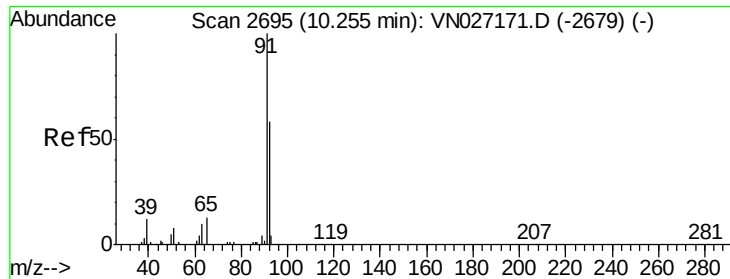
58 38.2 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

Toluene

Concen: 18.07 ug/l

RT: 10.26 min Scan# 2696

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0917WBS01

Tot Ion: 92 Resp: 361120

Ion Ratio Lower Upper

92 100

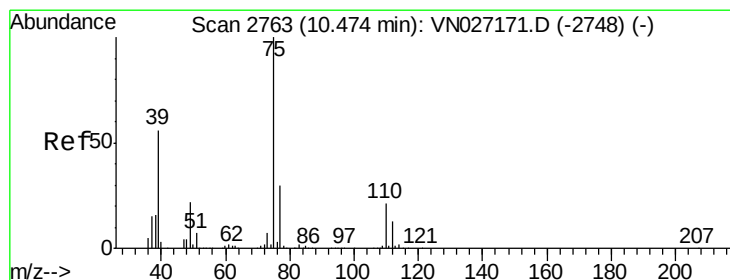
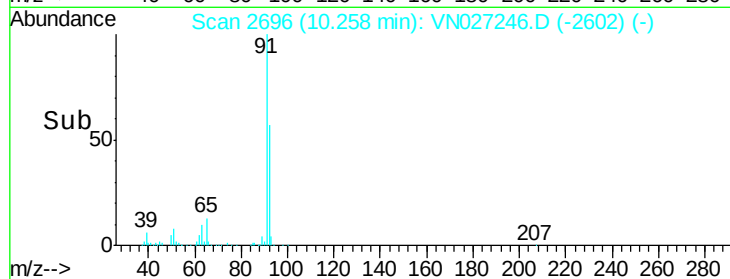
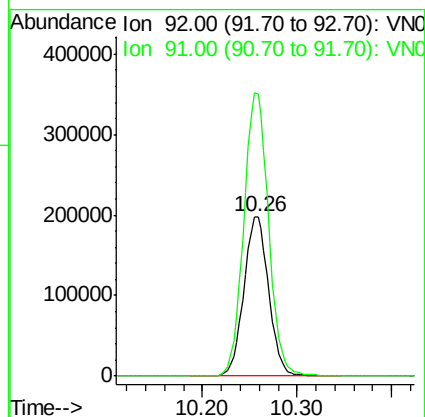
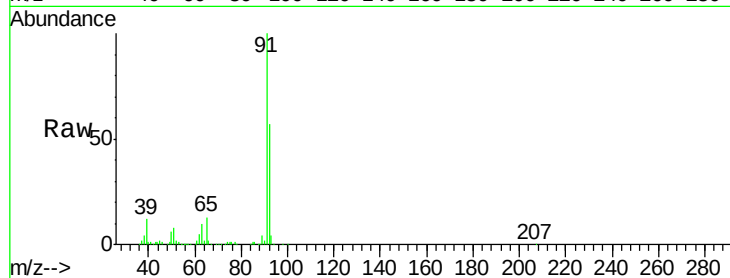
91 176.9 141.4 212.2

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



#54

t-1,3-Dichloropropene

Concen: 16.88 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027246.D

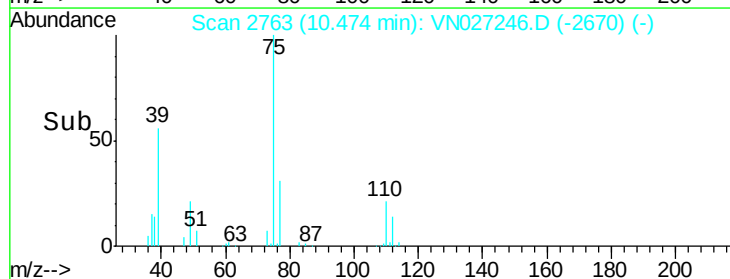
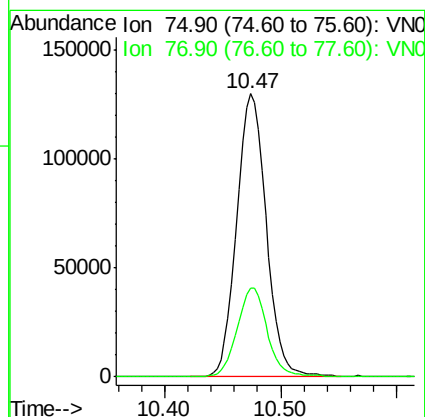
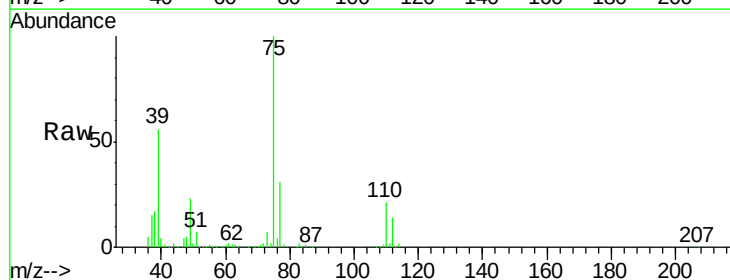
Acq: 17 Sep 2015 11:03

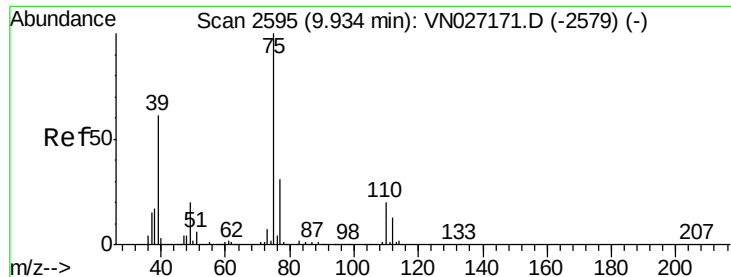
Tgt Ion: 75 Resp: 230149

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 17.15 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

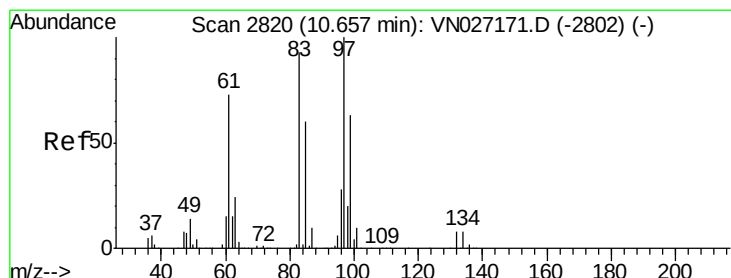
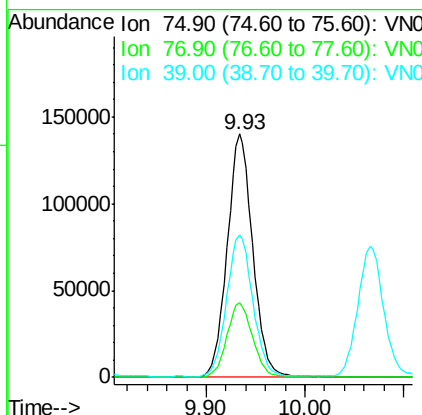
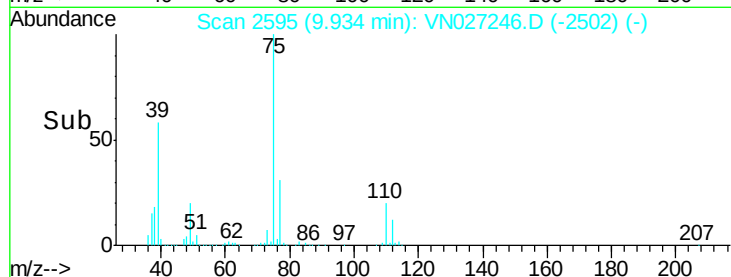
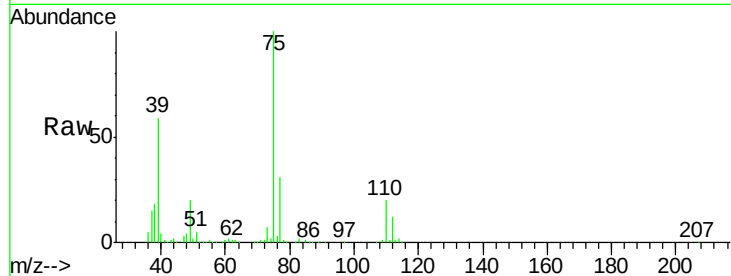
ClientSampleId :

VN0917WBS01

Tot Ion:	75	Resp:	254383
Ion Ratio		Lower	Upper
75	100		
77	30.6	25.6	38.4
39	58.4	41.6	62.4

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:32 PM



#56

1,1,2-Trichloroethane

Concen: 18.27 ug/l

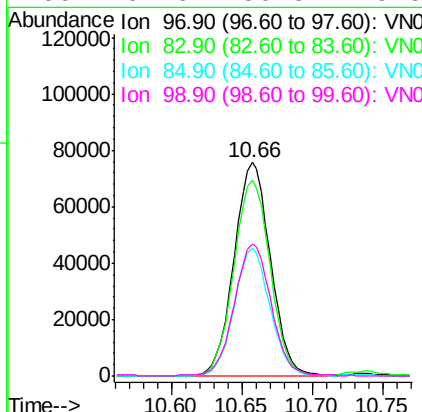
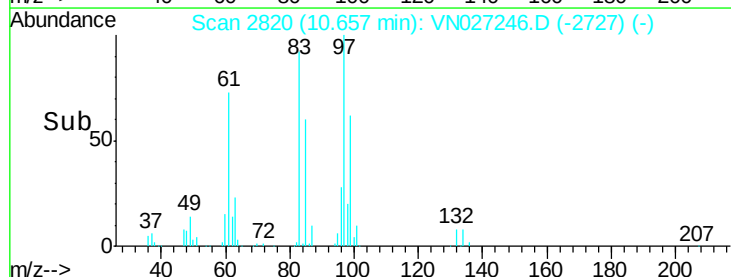
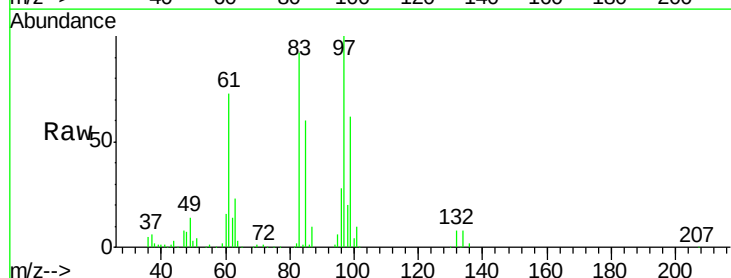
RT: 10.66 min Scan# 2820

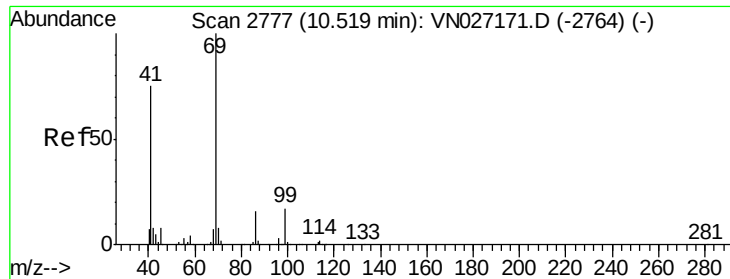
Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Tgt Ion:	97	Resp:	137185
Ion Ratio		Lower	Upper
97	100		
83	91.7	75.0	112.4
85	60.2	48.0	72.0
99	61.6	50.3	75.5





#57

Ethyl methacrylate

Concen: 17.28 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

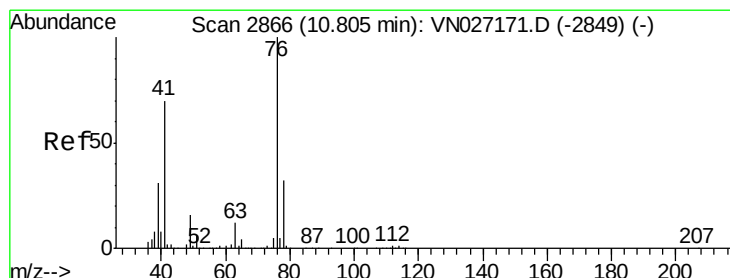
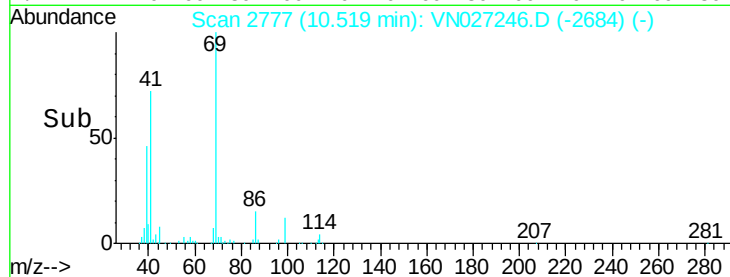
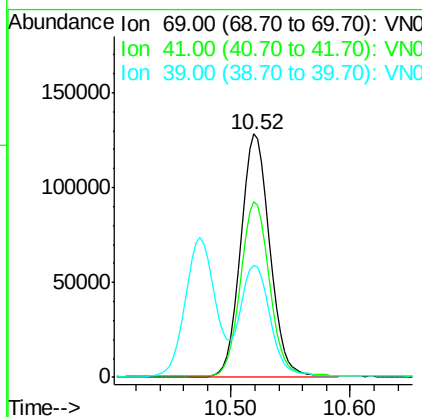
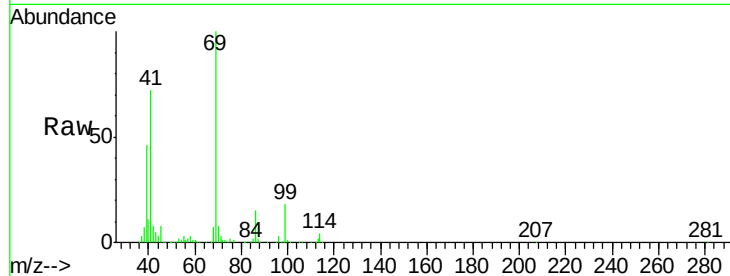
ClientSampled :

VN0917WBS01

Tot Ion:	69	Resp:	218687
Ion Ratio	Lower	Upper	
69	100		
41	71.1	61.3	91.9
39	45.7	28.4	42.6

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:32 PM



#58

1,3-Dichloropropane

Concen: 17.87 ug/l

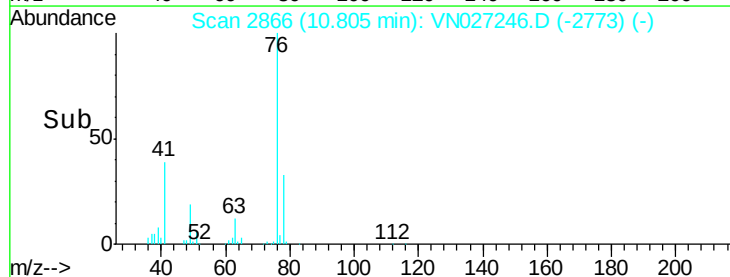
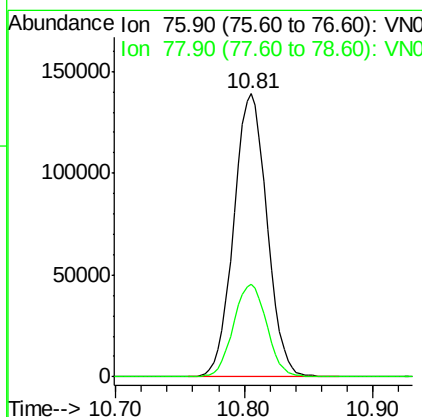
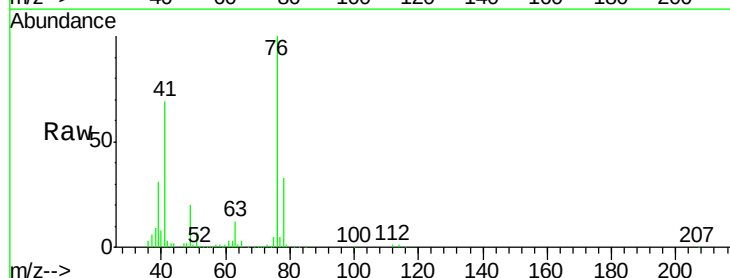
RT: 10.81 min Scan# 2866

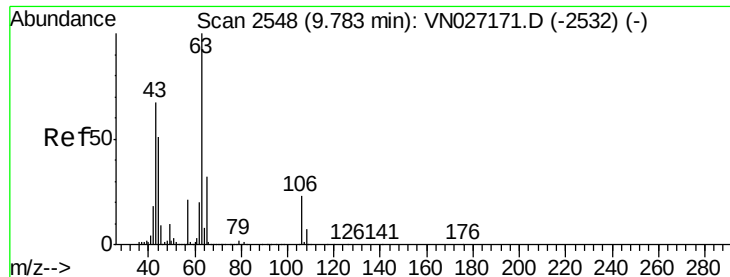
Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Tgt Ion:	76	Resp:	249152
Ion Ratio	Lower	Upper	
76	100		
78	33.1	25.0	37.6





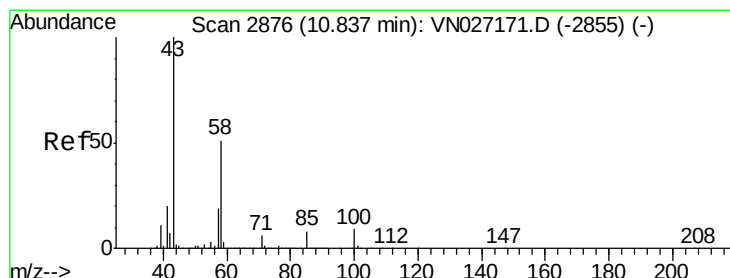
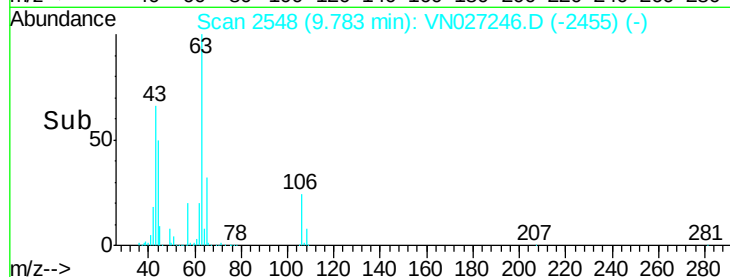
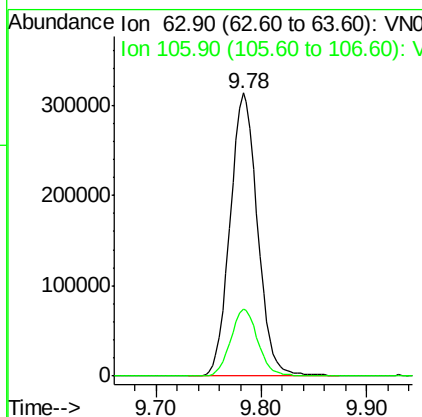
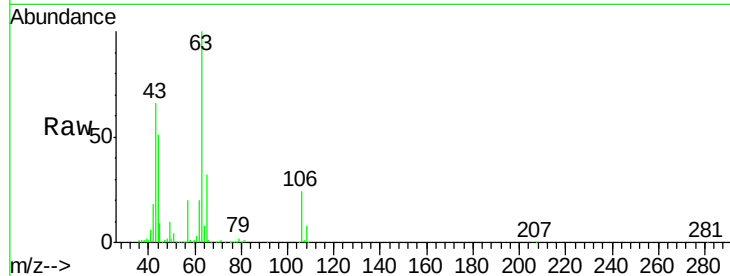
#59
2-Chloroethyl vinyl ether
Concen: 97.28 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion: 63 Resp: 565266
Ion Ratio Lower Upper
63 100
106 23.4 17.7 26.5

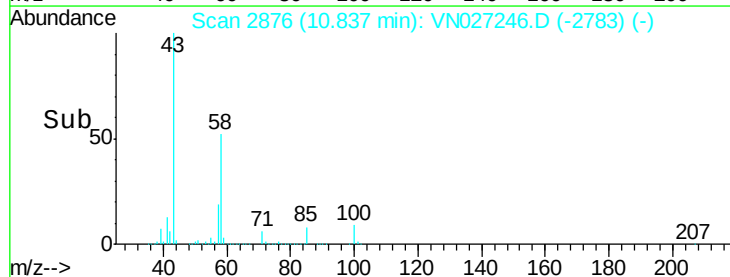
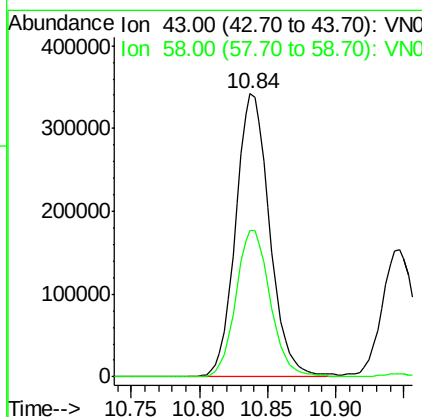
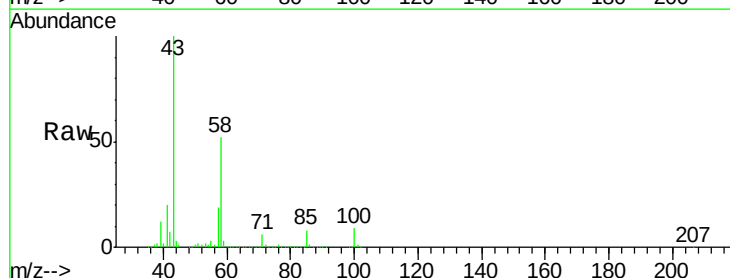
Manual Integrations
APPROVED

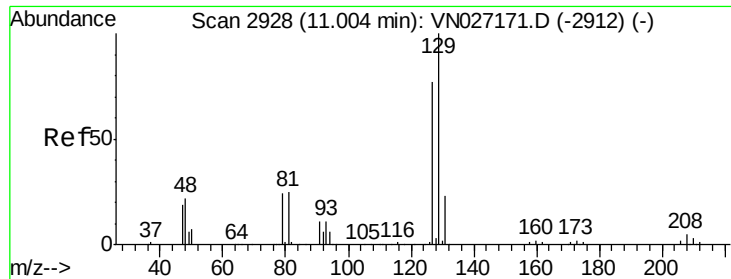
MMDadoda
9/18/2015 12:22:32 PM



#60
2-Hexanone
Concen: 87.23 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion: 43 Resp: 586662
Ion Ratio Lower Upper
43 100
58 52.8 26.2 78.5





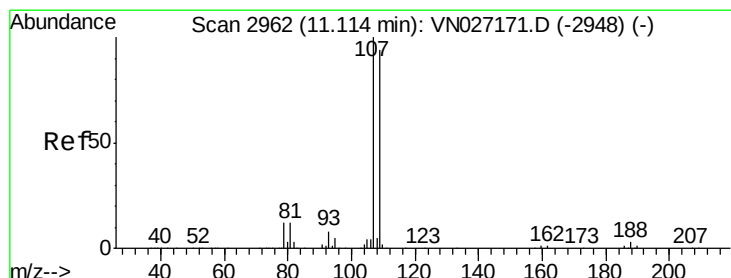
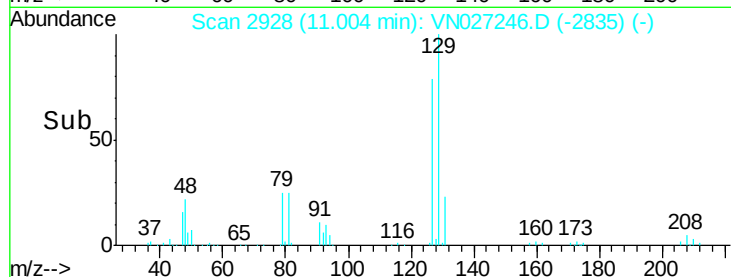
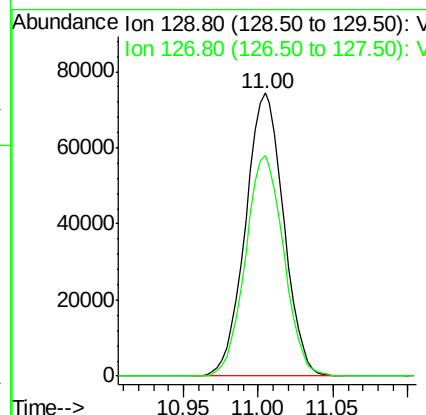
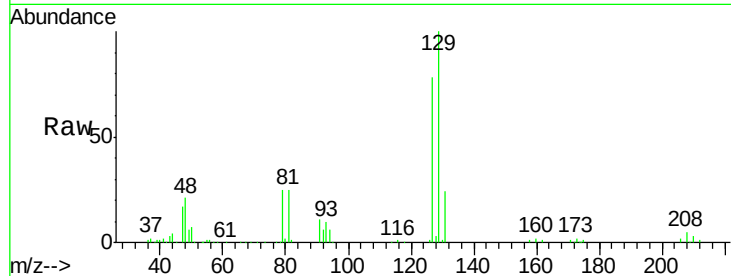
#61
Dibromochloromethane
Concen: 17.24 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion:129 Resp: 132225
Ion Ratio Lower Upper
129 100
127 78.0 39.1 117.2

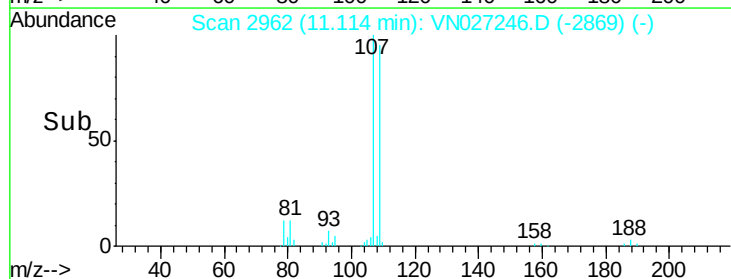
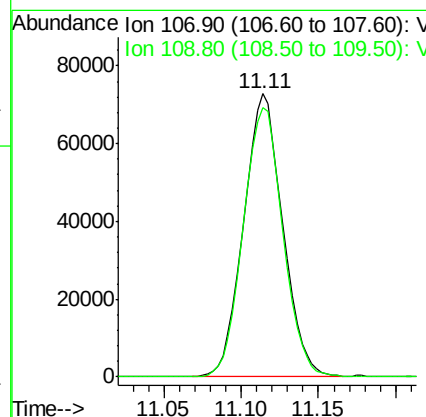
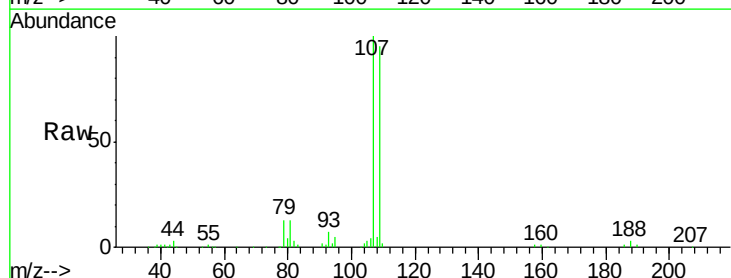
Manual Integrations
APPROVED

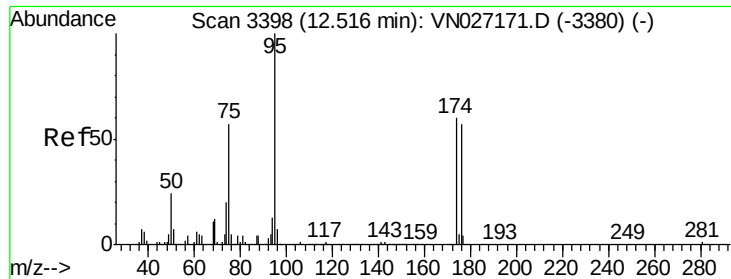
MMDadoda
9/18/2015 12:22:32 PM



#62
1,2-Dibromoethane
Concen: 17.33 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion:107 Resp: 127861
Ion Ratio Lower Upper
107 100
109 96.6 75.6 113.4





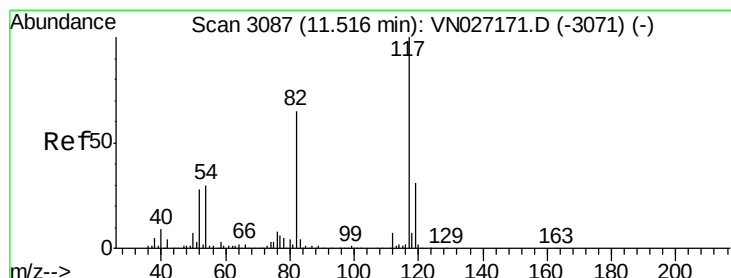
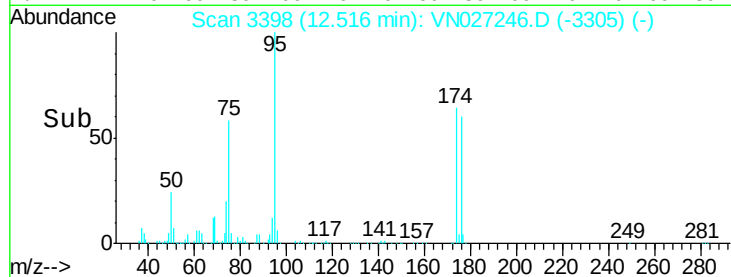
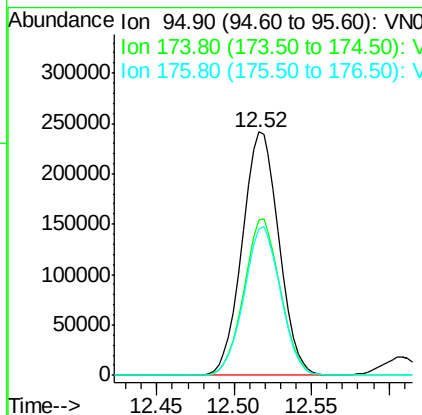
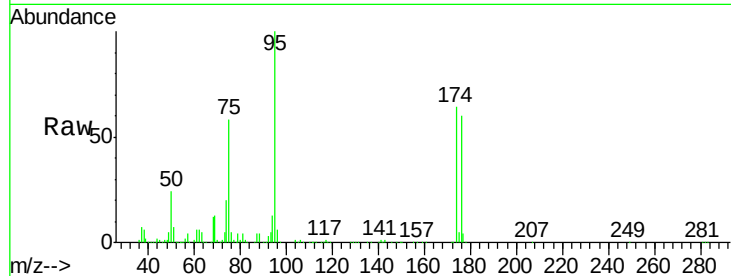
#63
 4-Bromofluorobenzene
 Concen: 41.55 ug/l
 RT: 12.52 min Scan# 3398
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
95	100	399765		
174	63.5	0.0	137.0	
176	60.5	0.0	130.8	

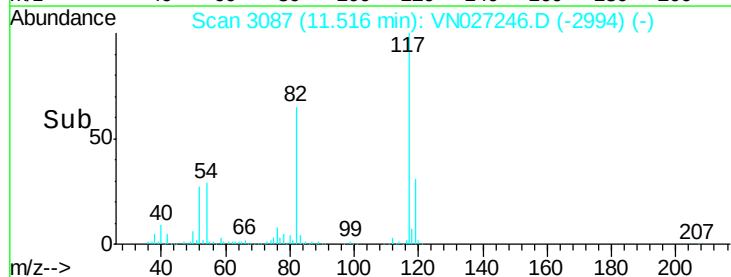
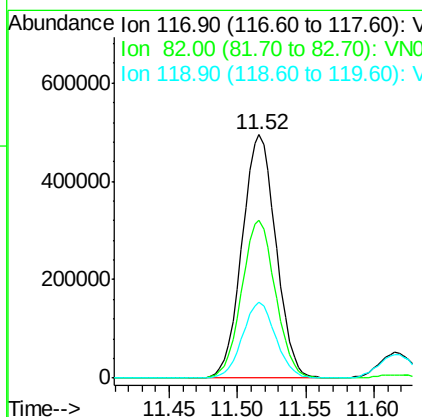
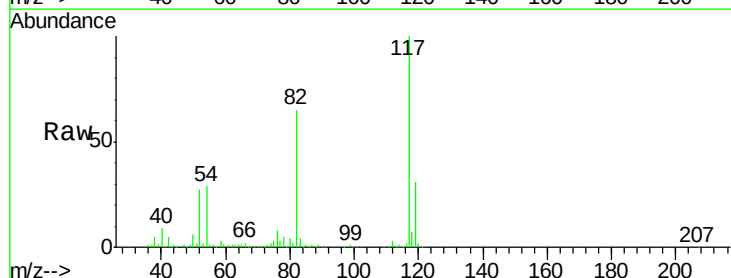
Manual Integrations
 APPROVED

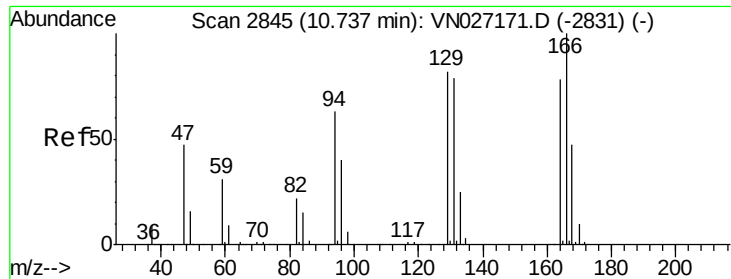
MMDadoda
 9/18/2015 12:22:32 PM



#64
 Chlorobenzene-d5
 Concen: 50.00 ug/l
 RT: 11.52 min Scan# 3087
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	852472		
82	64.8	49.6	74.4	
119	31.0	24.6	36.8	





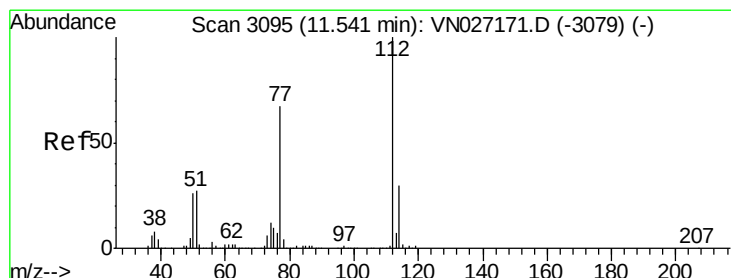
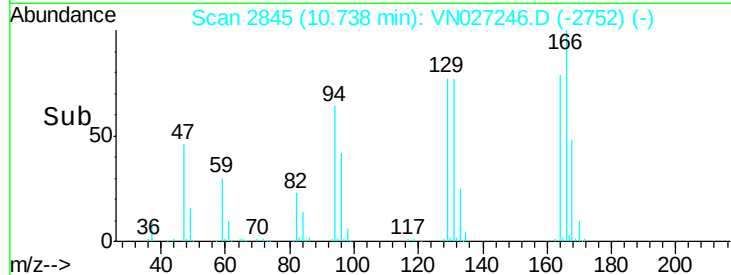
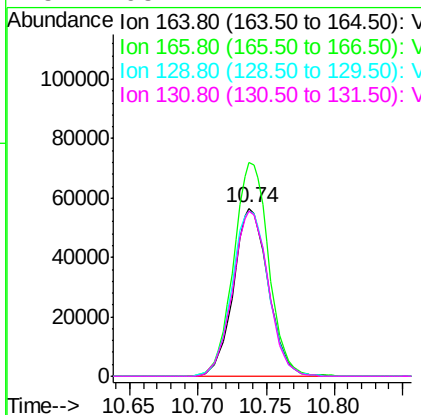
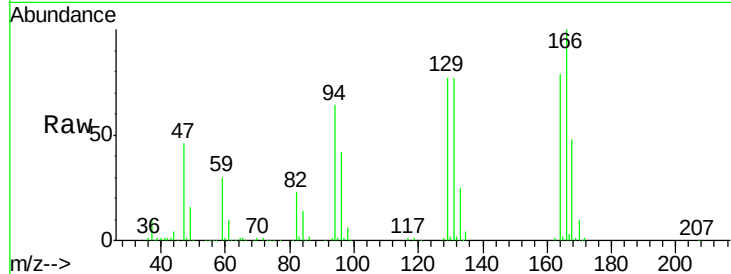
#65
 Tetrachloroethene
 Concen: 18.36 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
166	127.3	100089	103.4	155.0
129	98.2		77.5	116.3
131	98.4		74.2	111.4

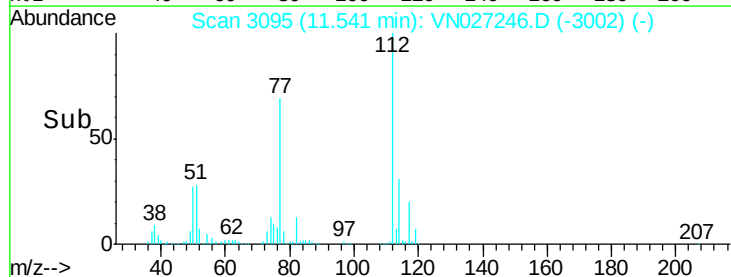
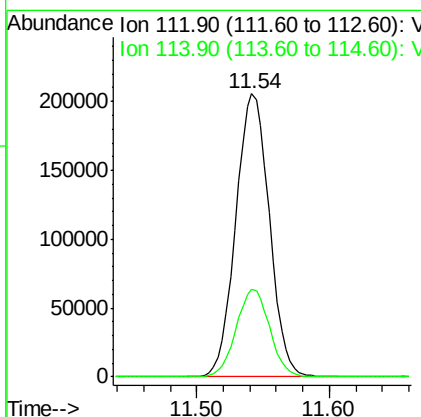
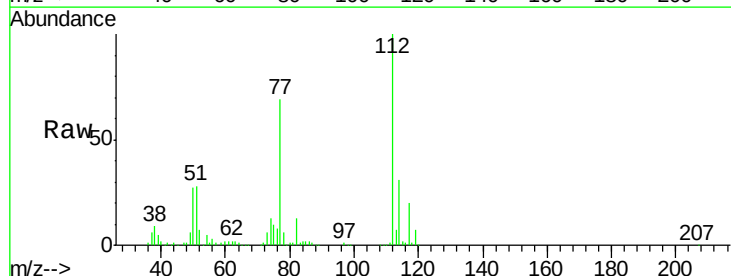
Manual Integrations
 APPROVED

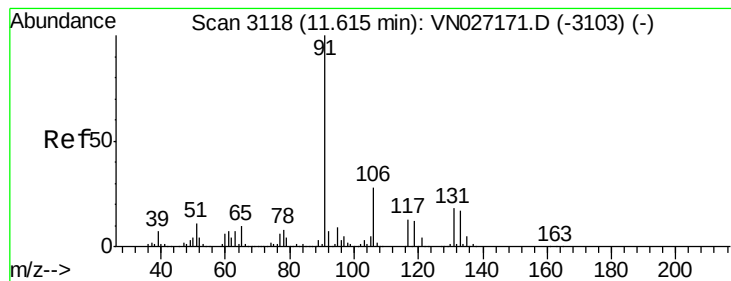
MMDadoda
 9/18/2015 12:22:32 PM



#66
 Chlorobenzene
 Concen: 17.93 ug/l
 RT: 11.54 min Scan# 3095
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	360895		
114	31.0		24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 17.84 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

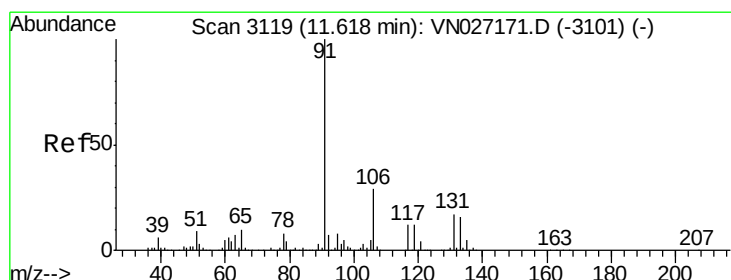
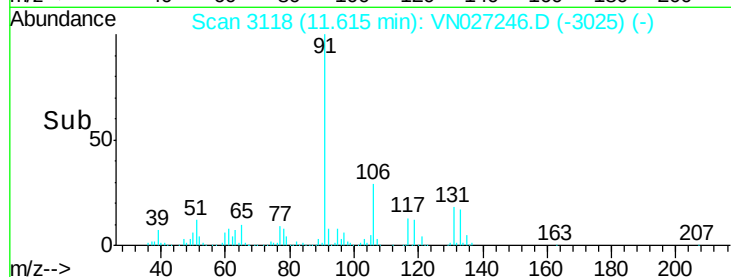
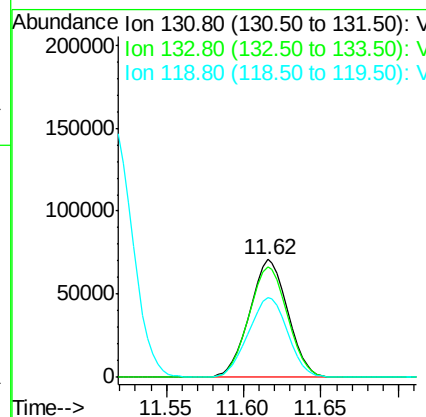
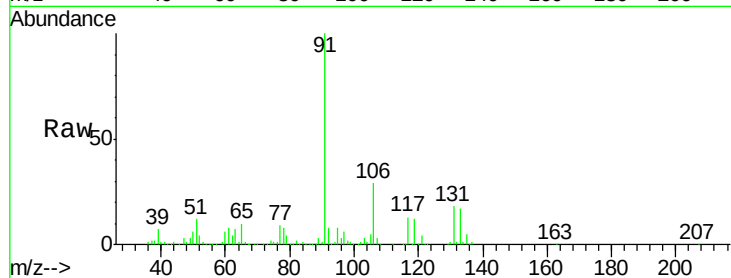
ClientSampleId :

VN0917WBS01

Tot Ion:	131	Resp:	122470
Ion Ratio	Lower	Upper	
131	100		
133	94.9	47.0	141.2
119	69.5	35.1	105.5

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:32 PM



#68

Ethyl Benzene

Concen: 17.91 ug/l

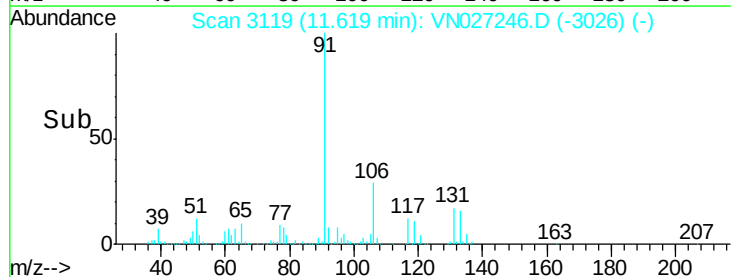
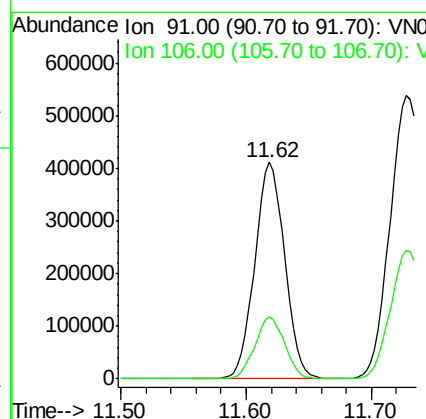
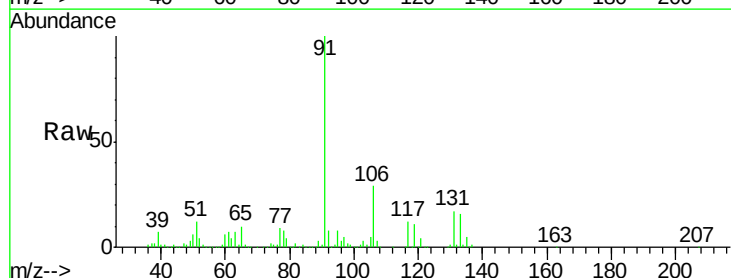
RT: 11.62 min Scan# 3119

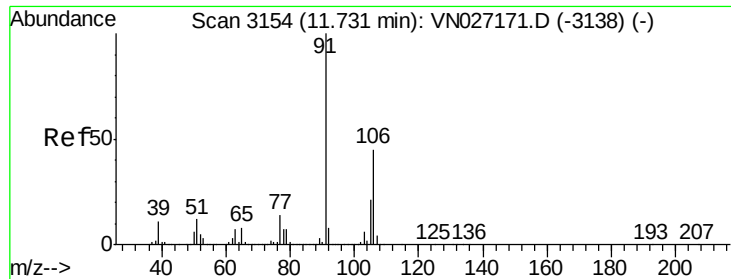
Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Tgt Ion:	91	Resp:	683327
Ion Ratio	Lower	Upper	
91	100		
106	28.7	23.1	34.7





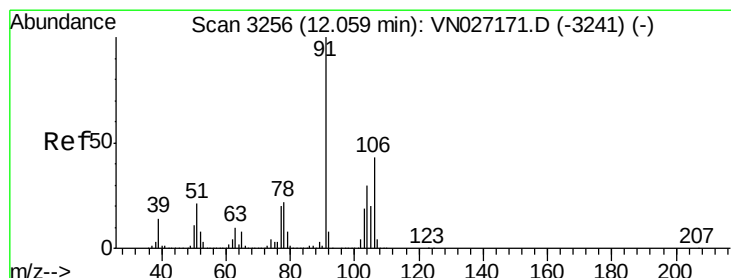
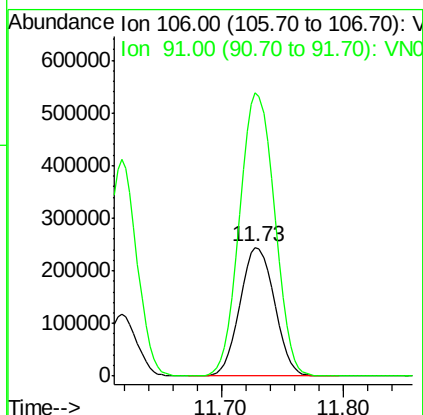
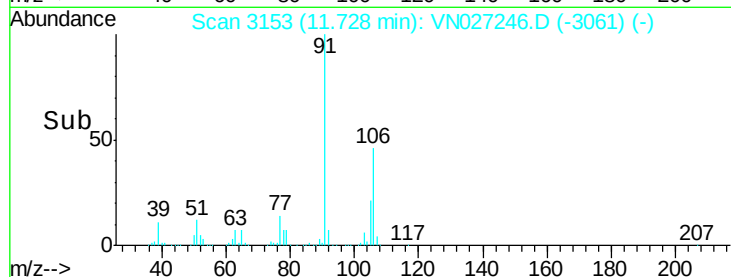
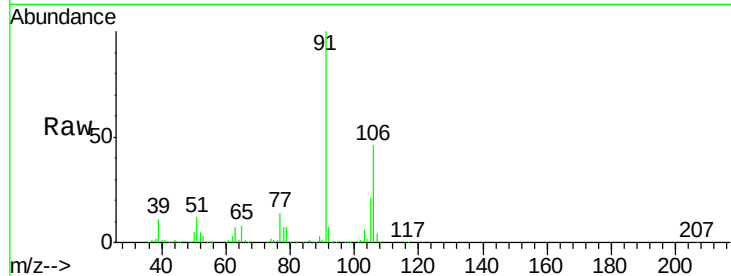
#69
m/p-Xylenes
Concen: 36.27 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampled :
VN0917WBS01

Tot Ion:106 Resp: 477582
Ion Ratio Lower Upper
106 100
91 223.2 167.1 250.7

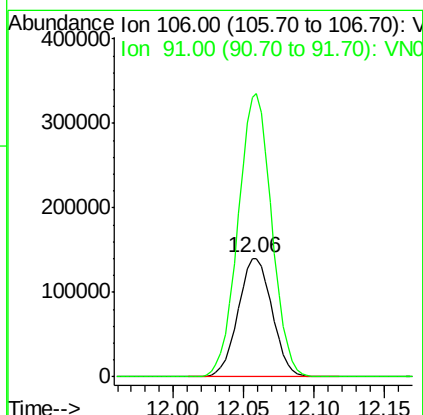
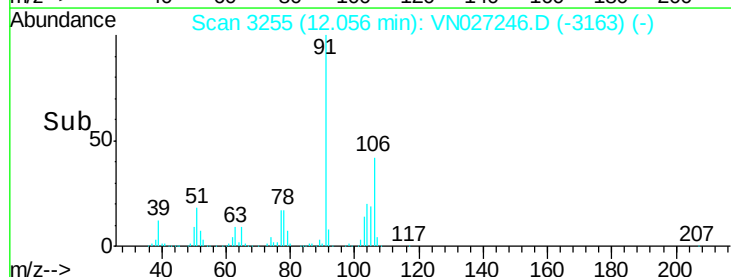
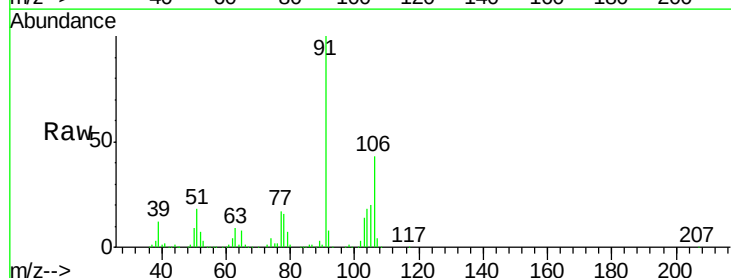
Manual Integrations
APPROVED

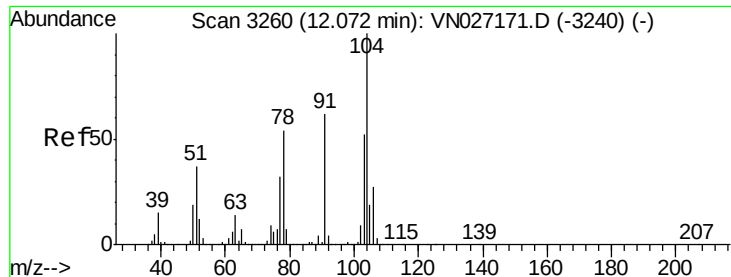
MMDadoda
9/18/2015 12:22:32 PM



#70
o-Xylene
Concen: 18.03 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion:106 Resp: 237921
Ion Ratio Lower Upper
106 100
91 234.8 110.7 331.9





#71

Stvrene

Concen: 17.88 ug/l

RT: 12.08 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

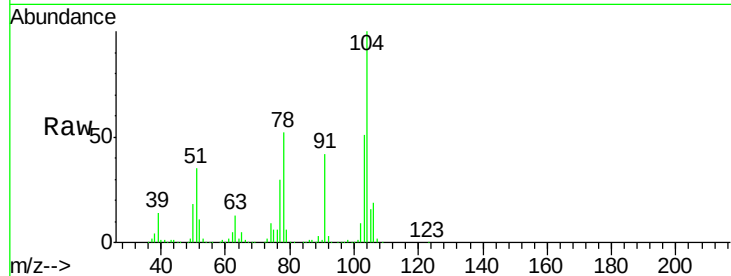
ClientSampled :

VN0917WBS01

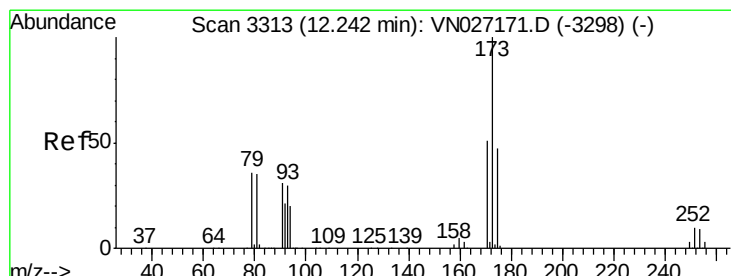
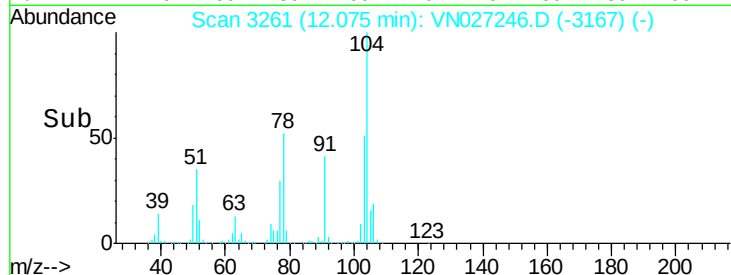
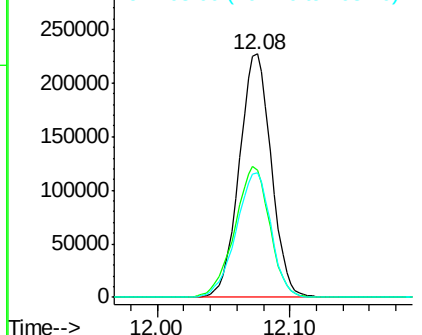
Tot Ion:	104	Resp:	381085
Ion Ratio	Lower	Upper	
104	100		
78	59.0	41.6	62.4
103	55.9	44.2	66.2

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:32 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: 16.69 ug/l

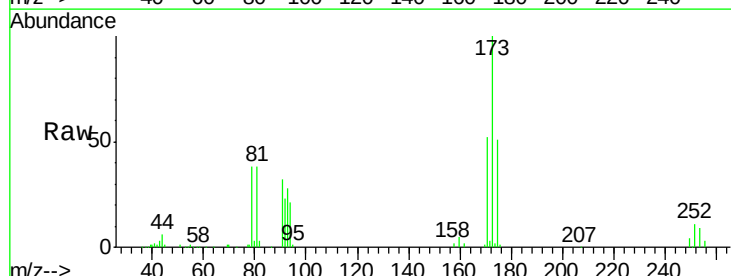
RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

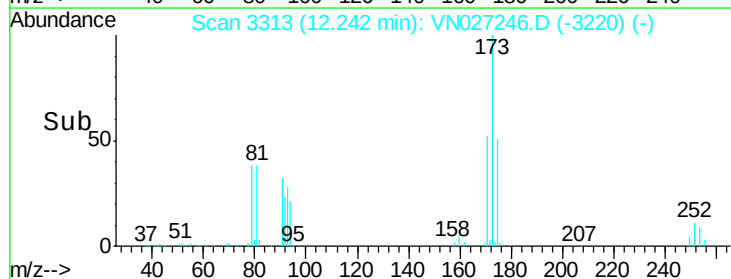
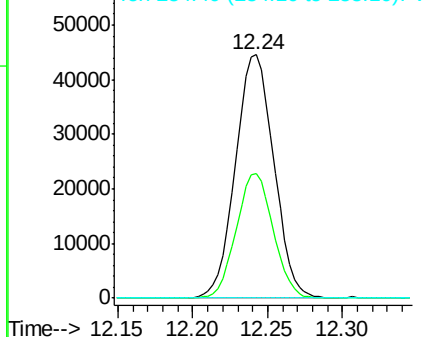
Lab File: VN027246.D

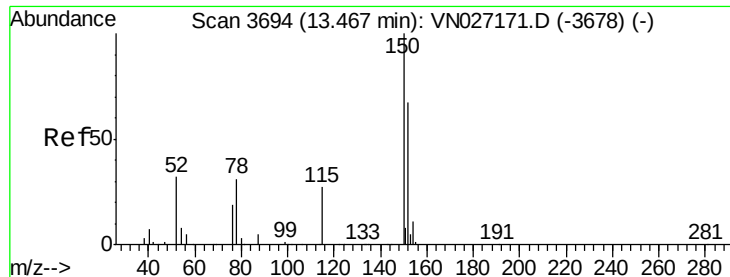
Acq: 17 Sep 2015 11:03

Tgt Ion:	173	Resp:	79684
Ion Ratio	Lower	Upper	
173	100		
175	49.1	24.4	73.4
254	0.0	0.1	0.1#



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





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

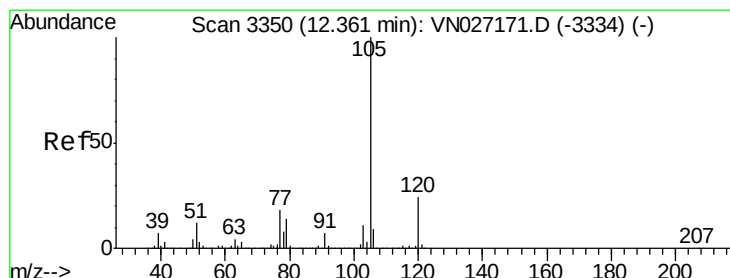
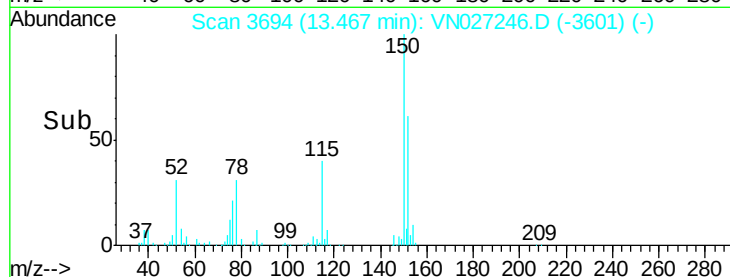
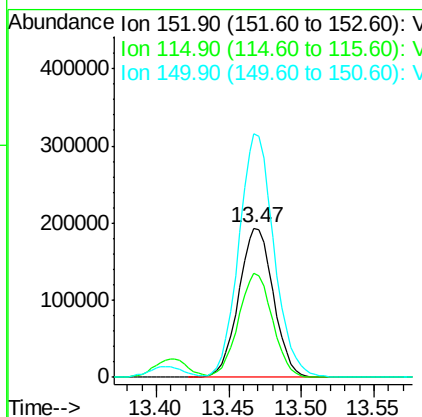
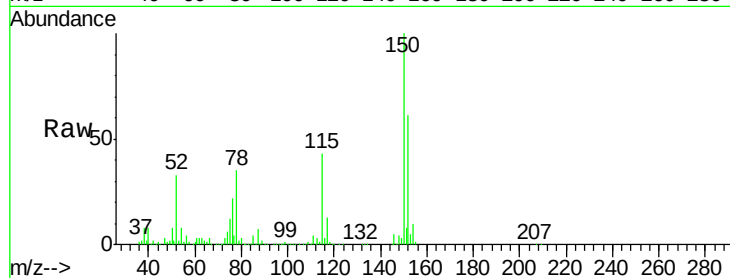
ClientSampleId :

VN0917WBS01

Tot Ion:	152	Resp:	320527
Ion Ratio	Lower	Upper	
152	100		
115	68.2	30.8	92.3
150	165.9	0.0	345.0

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:32 PM



#74

Isopropylbenzene

Concen: 18.27 ug/l

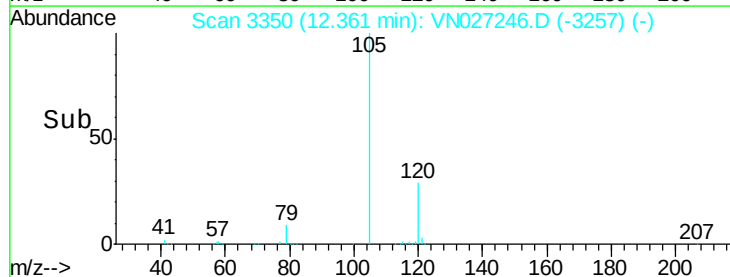
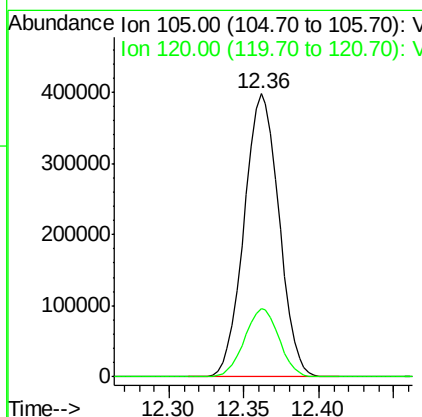
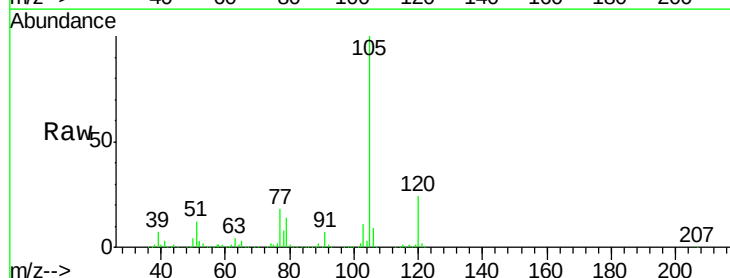
RT: 12.36 min Scan# 3350

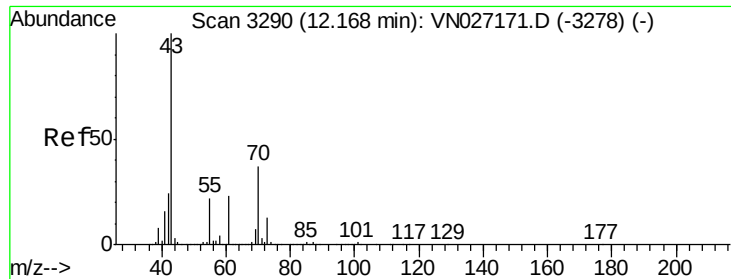
Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Tgt Ion:	105	Resp:	645199
Ion Ratio	Lower	Upper	
105	100		
120	23.9	12.4	37.2





#75

N-amyl acetate

Concen: 16.52 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

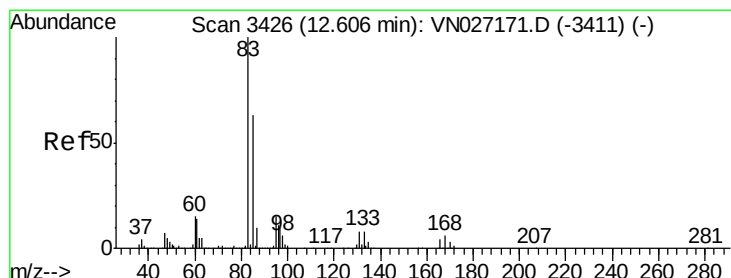
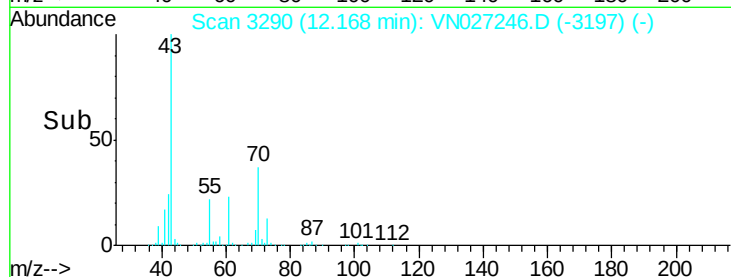
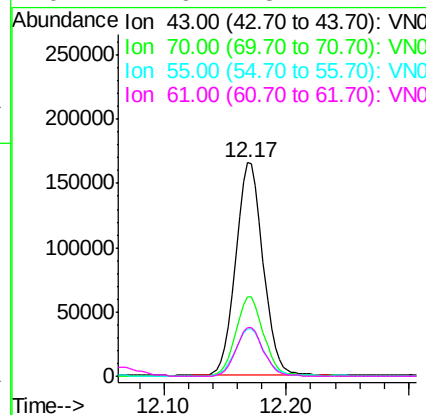
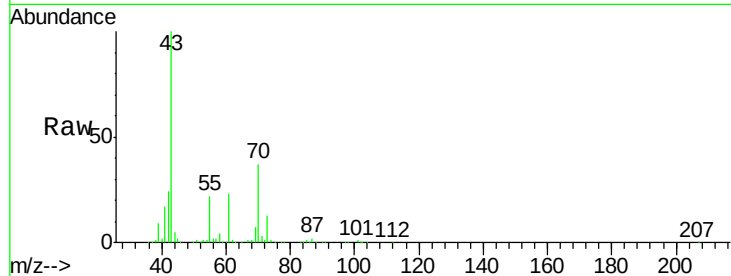
ClientSampleId :

VN0917WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		260455		
70	38.0	29.8	44.8		
55	23.1	19.4	29.0		
61	22.9	18.2	27.2		

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:32 PM



#76

1,1,2,2-Tetrachloroethane

Concen: 17.37 ug/l

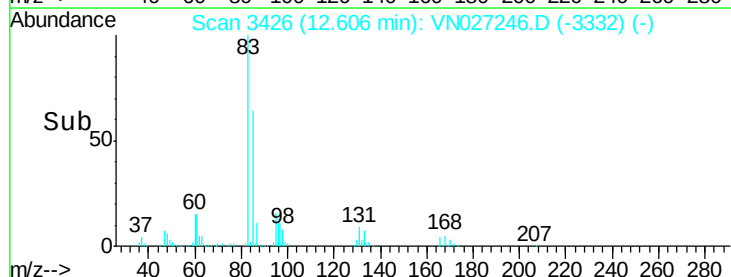
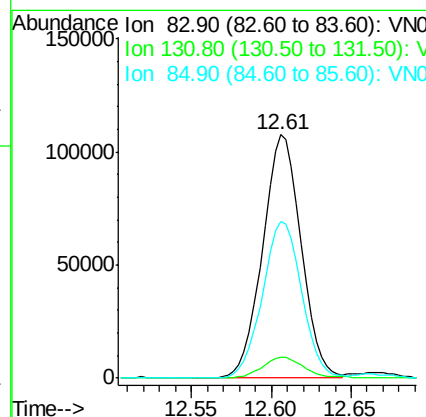
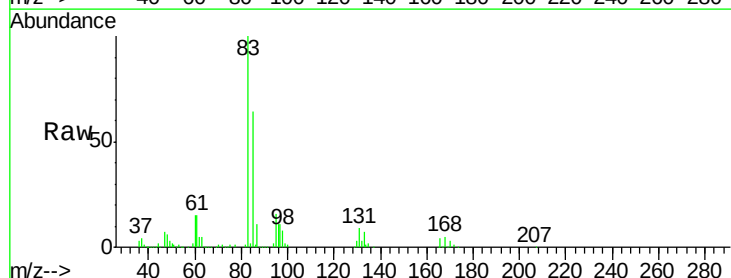
RT: 12.61 min Scan# 3426

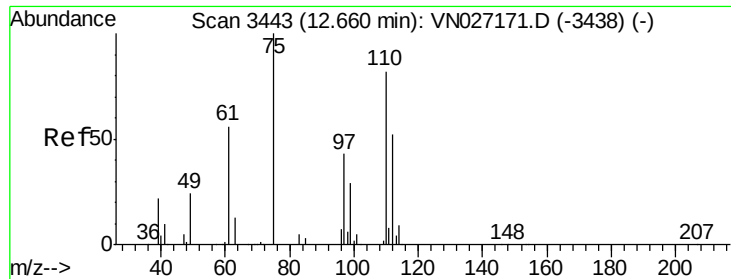
Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		178872		
131	9.3	4.1	12.3		
85	65.5	31.9	95.7		





#77

1,2,3-Trichloropropane

Concen: 16.46 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampled :

VN0917WBS01

Tot Ion: 75 Resp: 159484

Ion Ratio Lower Upper

75 100

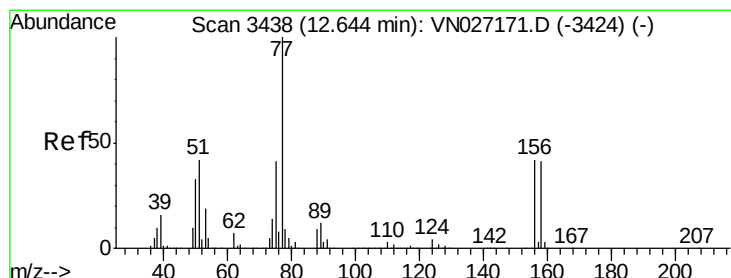
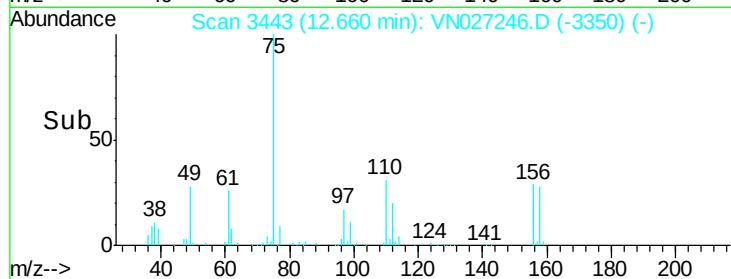
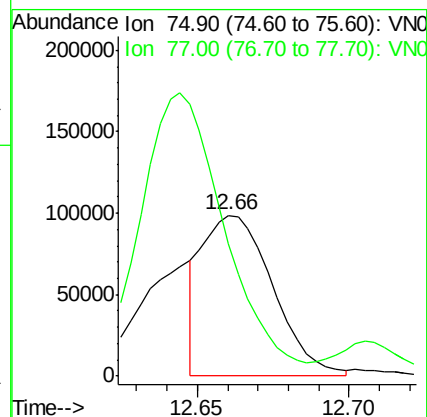
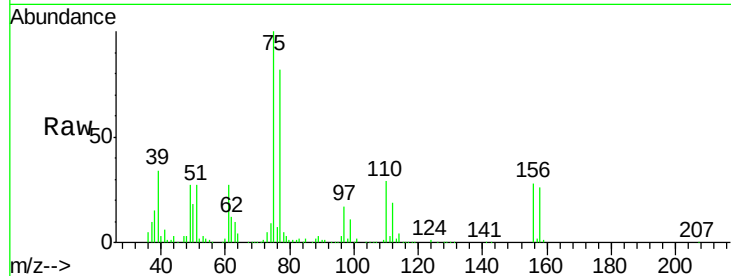
77 211.8 103.1 309.3

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



#78

Bromobenzene

Concen: 18.06 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

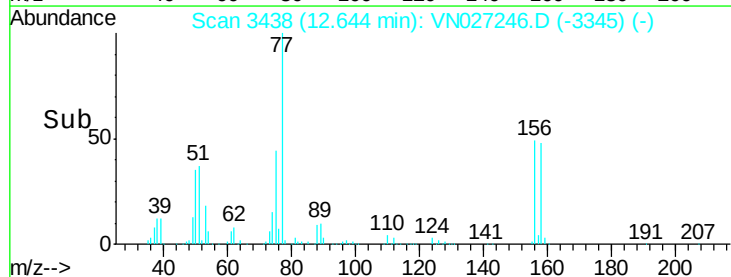
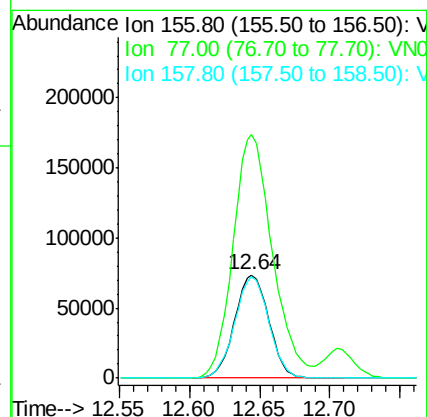
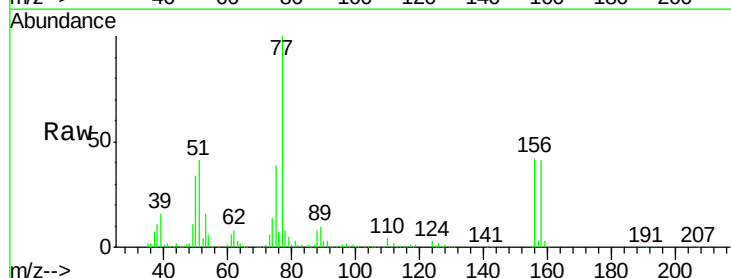
Tgt Ion: 156 Resp: 125098

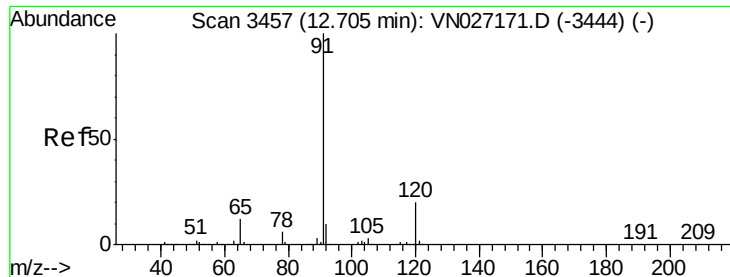
Ion Ratio Lower Upper

156 100

77 270.0 127.3 381.9

158 97.9 48.0 144.2





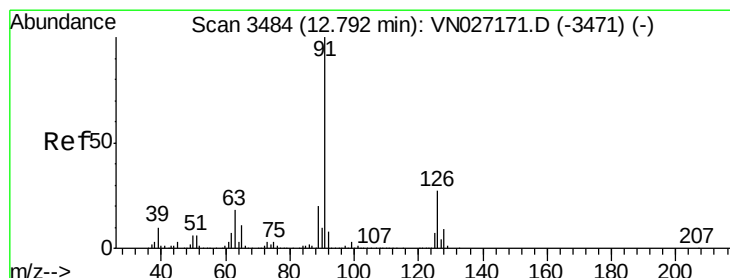
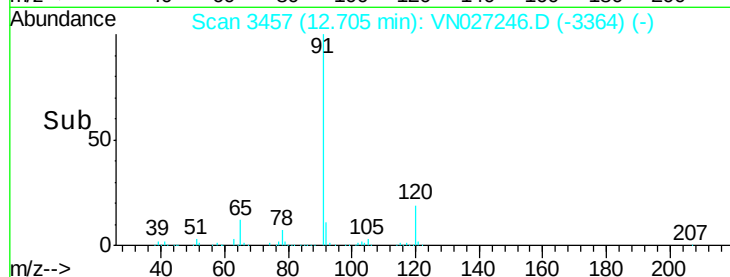
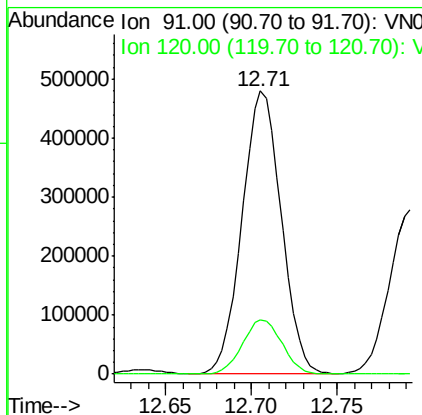
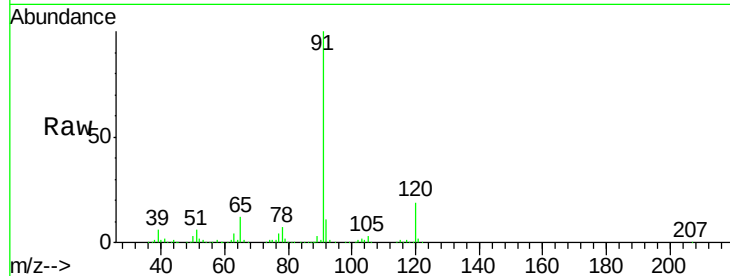
#79
n-propylbenzene
Concen: 18.14 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion: 91 Resp: 753669
Ion Ratio Lower Upper
91 100
120 19.6 10.3 30.8

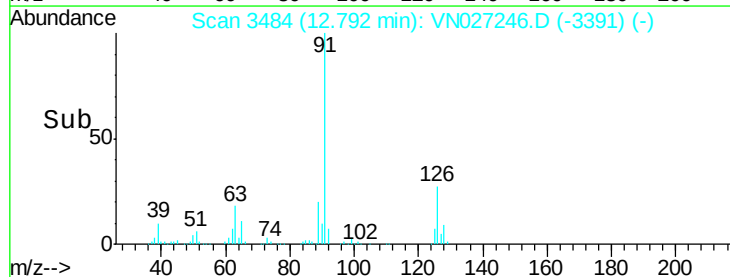
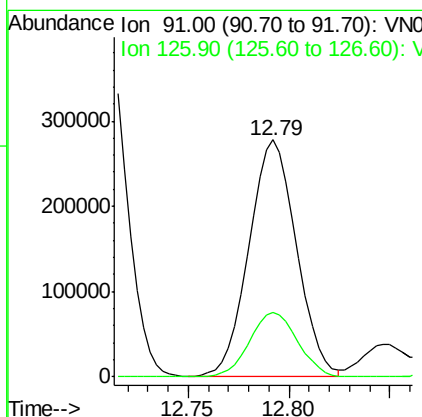
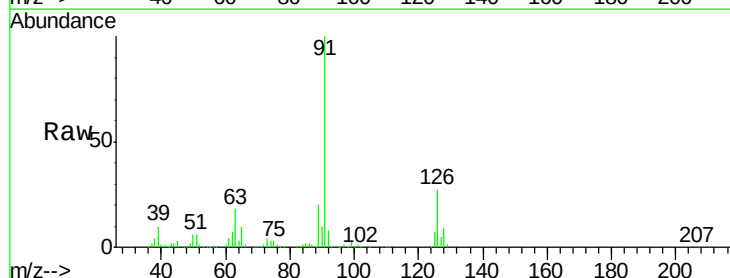
Manual Integrations
APPROVED

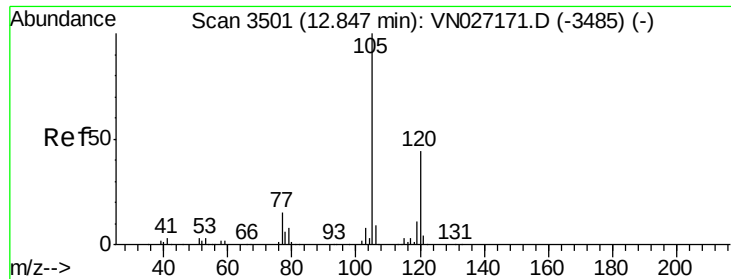
MMDadoda
9/18/2015 12:22:32 PM



#80
2-Chlorotoluene
Concen: 18.23 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion: 91 Resp: 455008
Ion Ratio Lower Upper
91 100
126 27.7 15.2 45.5





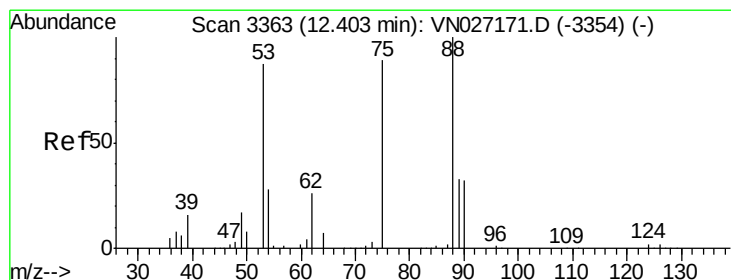
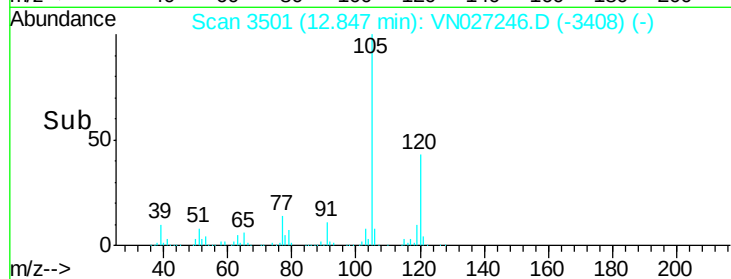
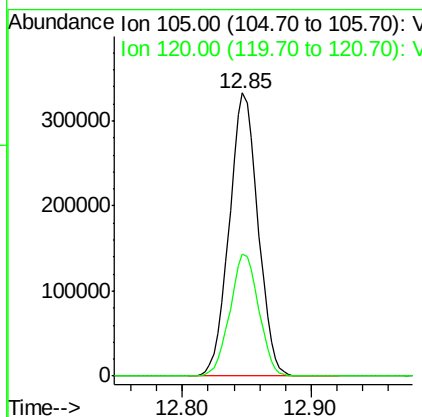
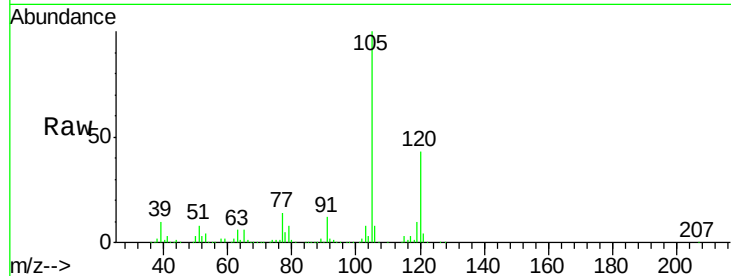
#81
 1,3,5-Trimethylbenzene
 Concen: 18.14 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampled :
 VN0917WBS01

Tot Ion:105 Resp: 514705
 Ion Ratio Lower Upper
 105 100
 120 43.2 23.4 70.0

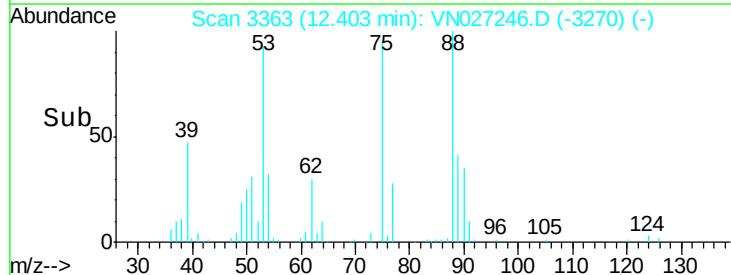
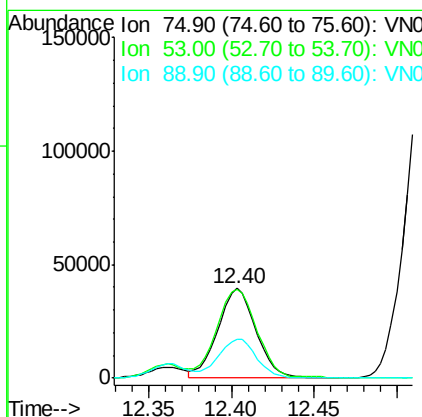
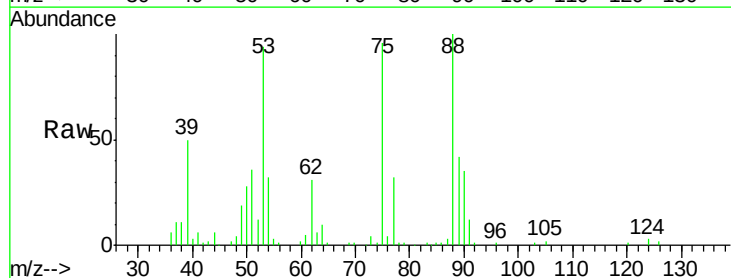
Manual Integrations
 APPROVED

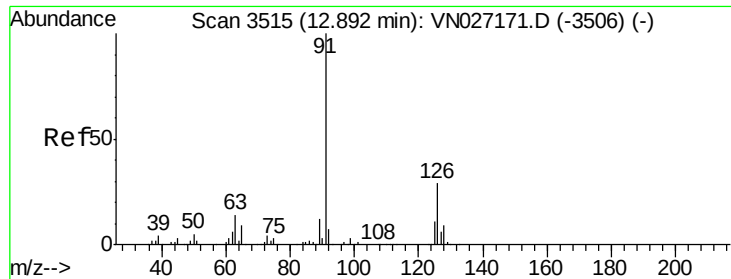
MMDadoda
 9/18/2015 12:22:32 PM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 15.93 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion: 75 Resp: 62842
 Ion Ratio Lower Upper
 75 100
 53 105.6 92.9 139.3
 89 44.4 34.2 51.4





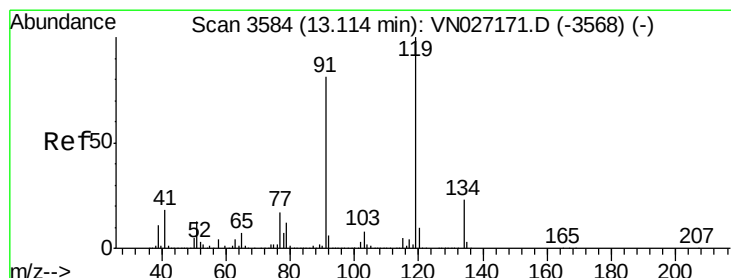
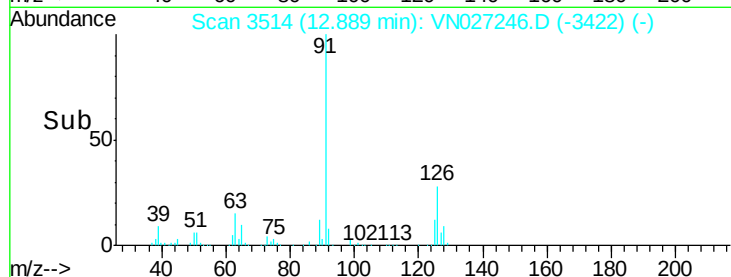
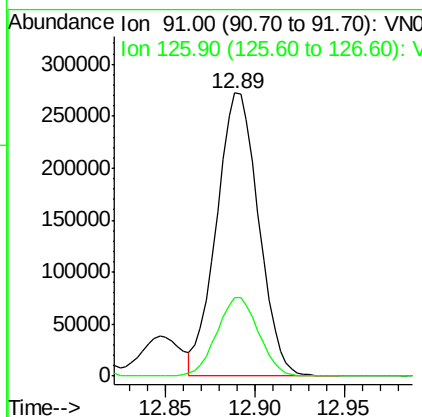
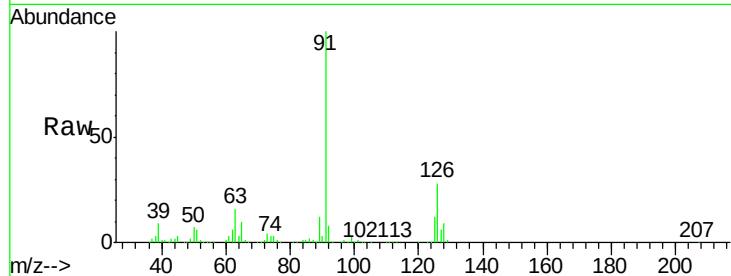
#83
4-Chlorotoluene
Concen: 18.07 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Instrument :
MSVOA_N
ClientSampleId :
VN0917WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.8	14.9	44.5

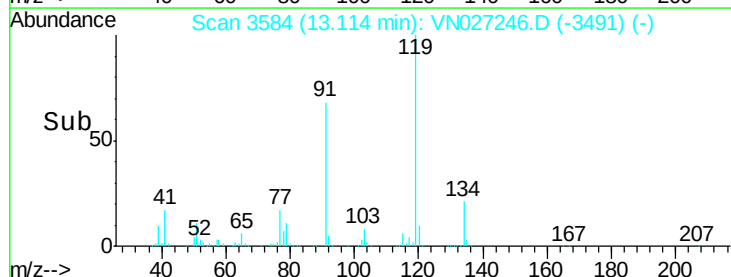
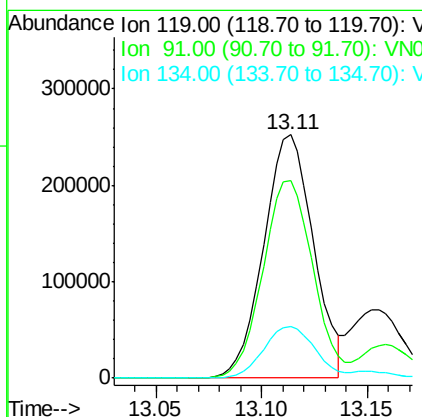
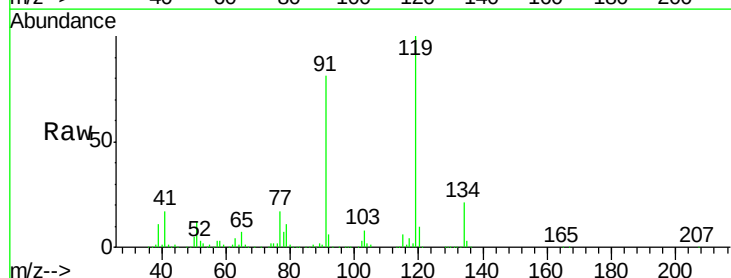
Manual Integrations
APPROVED

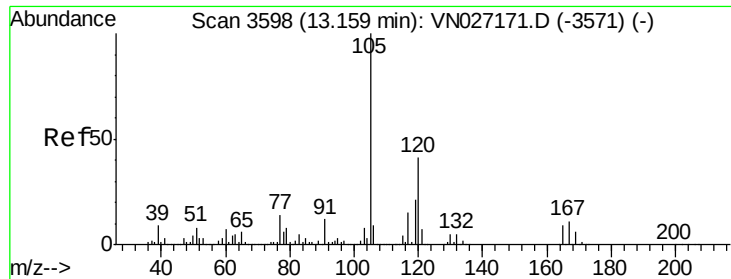
MMDadoda
9/18/2015 12:22:32 PM



#84
tert-Butylbenzene
Concen: 17.71 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027246.D
Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
119	100		
91	81.9	34.6	103.8
134	22.2	11.4	34.2





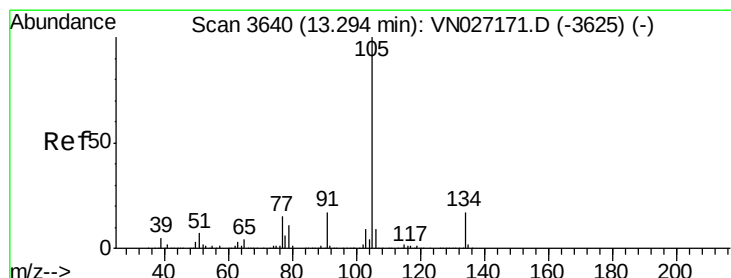
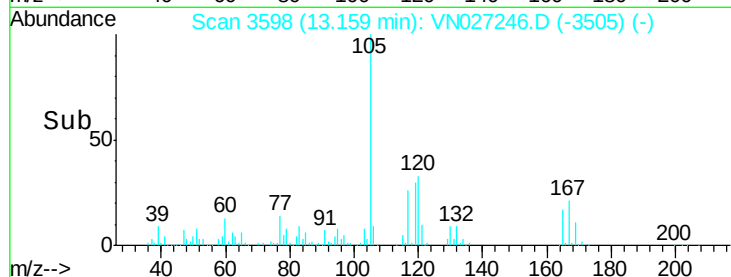
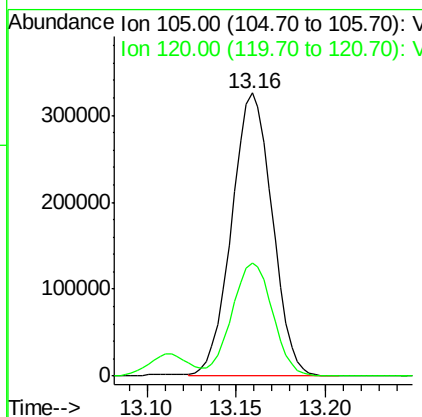
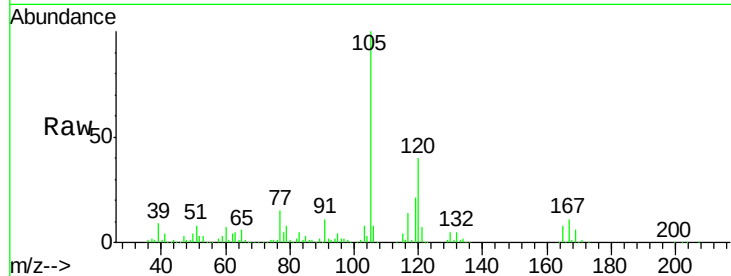
#85
 1,2,4-Trimethylbenzene
 Concen: 17.99 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	40.5	21.9	65.5

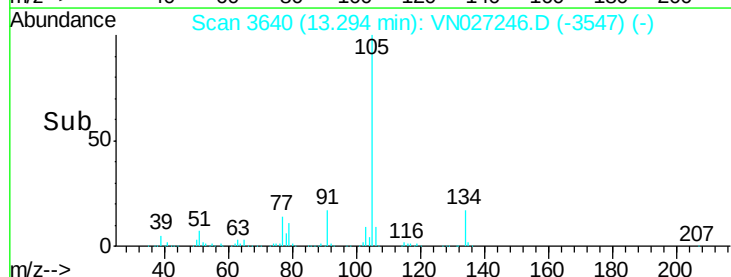
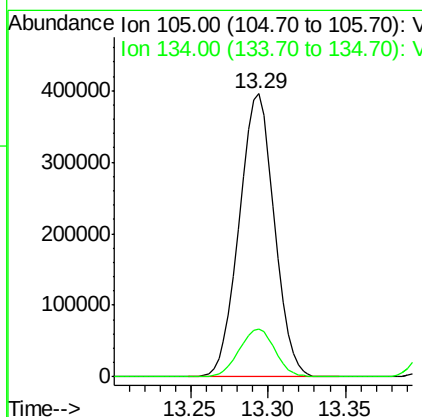
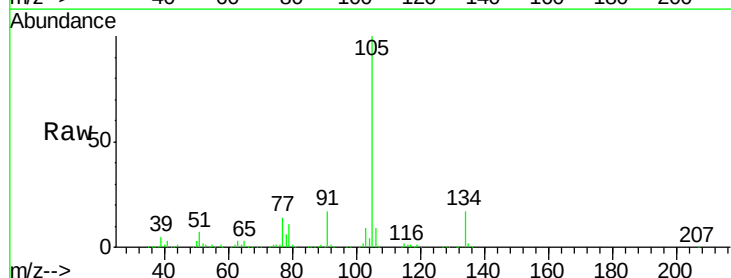
Manual Integrations
 APPROVED

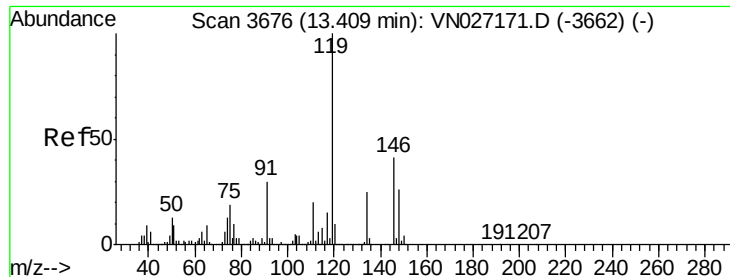
MMDadoda
 9/18/2015 12:22:32 PM



#86
 sec-Butylbenzene
 Concen: 18.23 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
105	100		
134	17.4	8.8	26.4





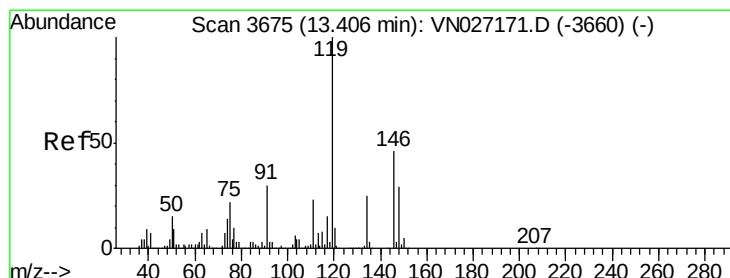
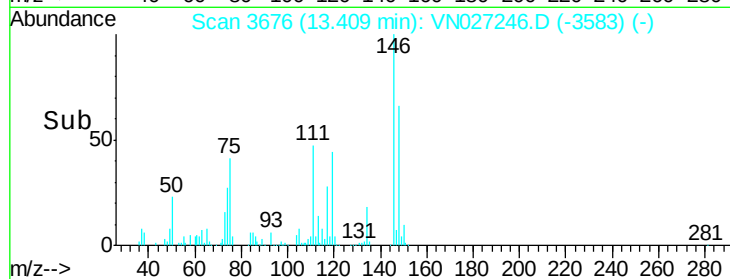
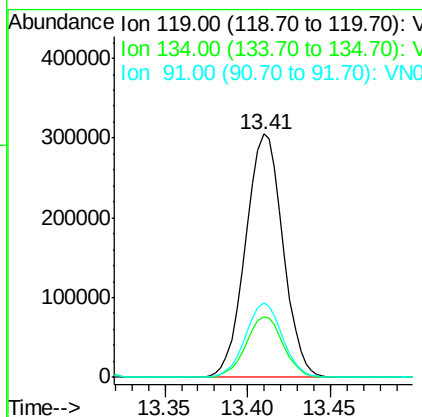
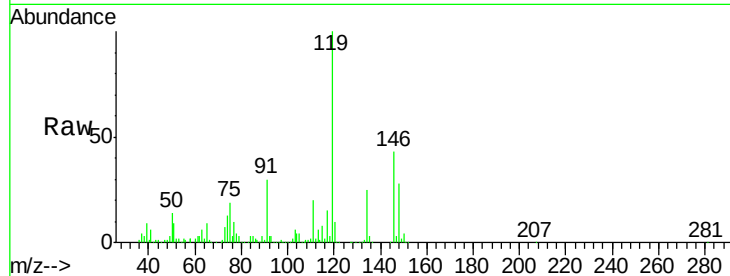
#87
 p-Isopropyltoluene
 Concen: 18.05 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		476813		
134	24.8	12.4	37.0		
91	30.3	12.0	36.1		

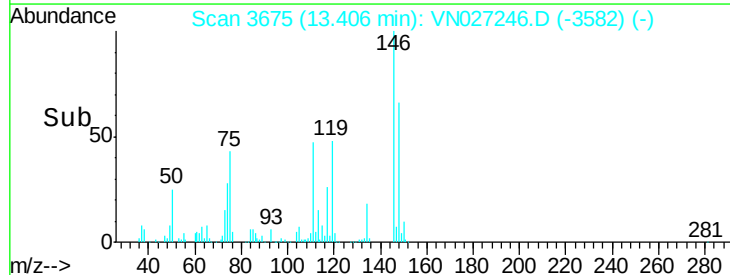
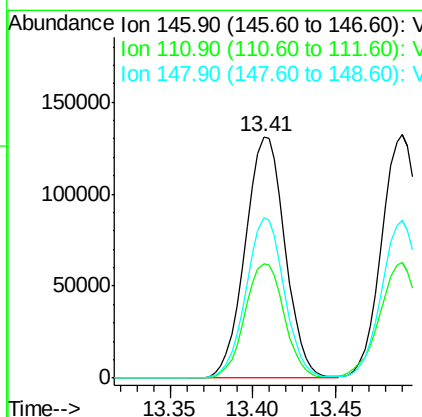
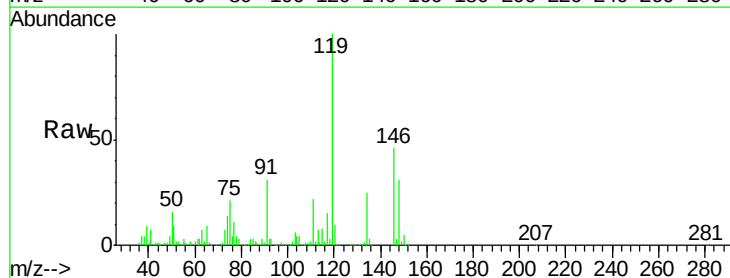
Manual Integrations
 APPROVED

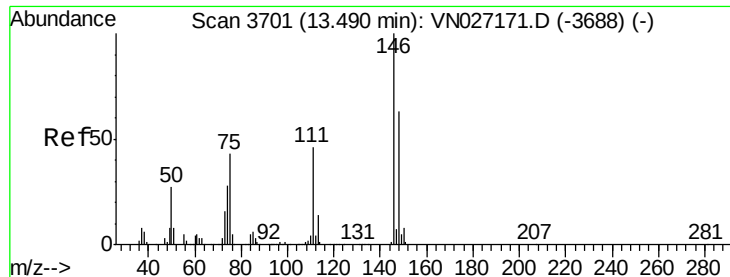
MMDadoda
 9/18/2015 12:22:32 PM



#88
 1,3-Dichlorobenzene
 Concen: 18.46 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
146	100		218771		
111	46.8	21.0	63.0		
148	63.9	31.9	95.9		





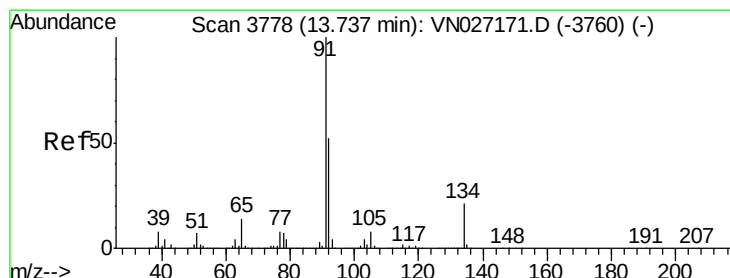
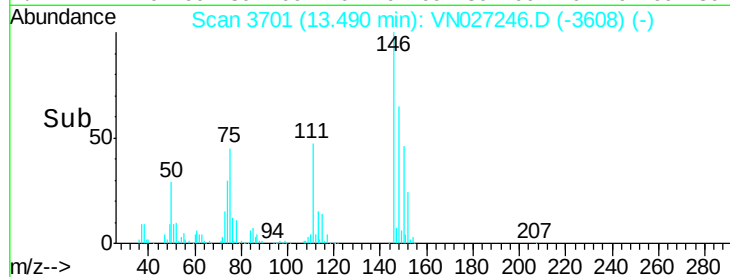
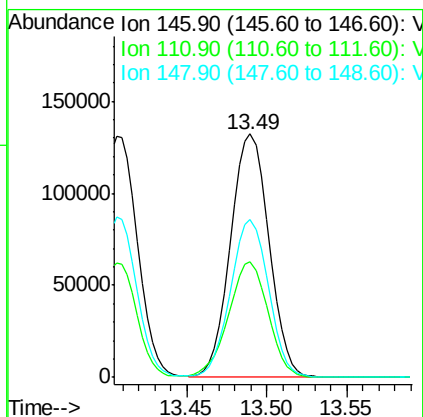
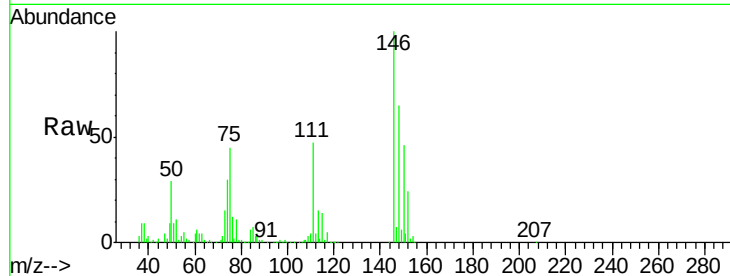
#89
 1,4-Dichlorobenzene
 Concen: 18.08 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.3	19.9	59.6
148	63.8	31.7	95.1

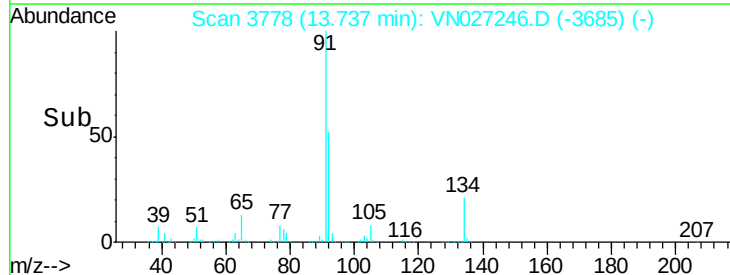
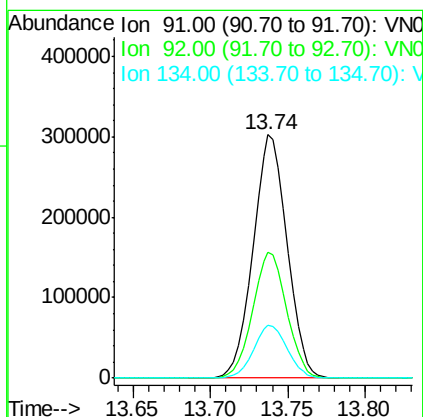
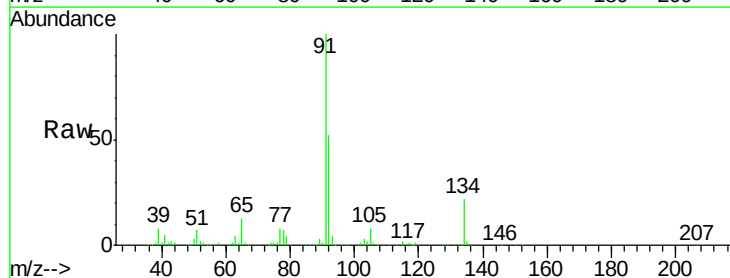
Manual Integrations
 APPROVED

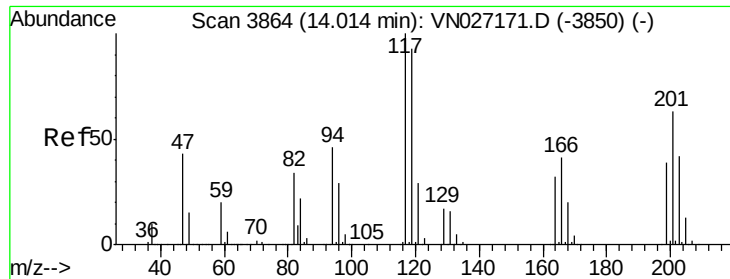
MMDadoda
 9/18/2015 12:22:32 PM



#90
 n-Butylbenzene
 Concen: 18.08 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	21.6	11.1	33.1





#91

Hexachloroethane

Concen: 16.86 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

ClientSampleId :

VN0917WBS01

Tot Ion:117 Resp: 97492

Ion Ratio Lower Upper

117 100

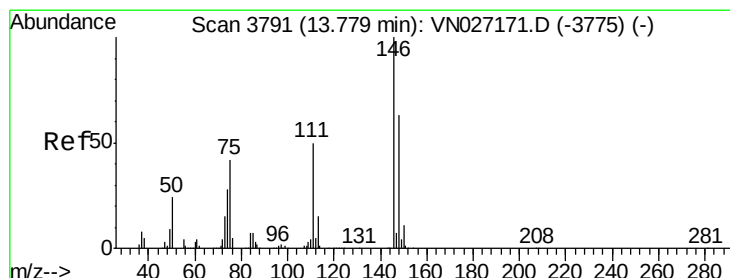
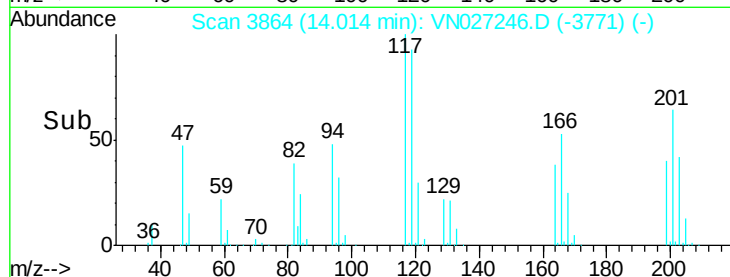
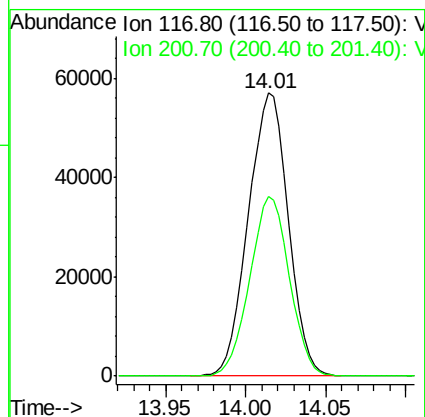
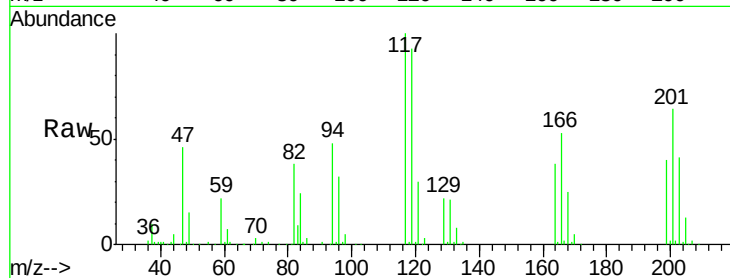
201 63.1 34.9 104.7

Manual Integrations

APPROVED

MMDadoda

9/18/2015 12:22:32 PM



#92

1,2-Dichlorobenzene

Concen: 18.49 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

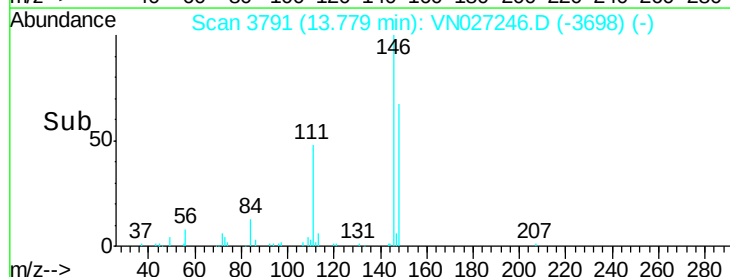
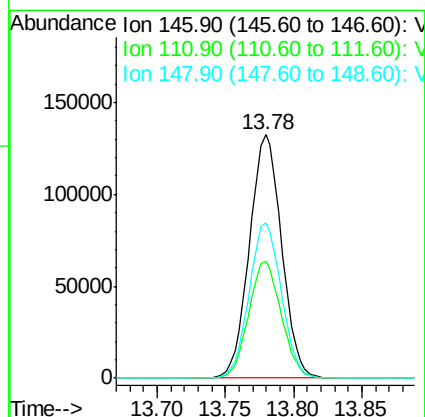
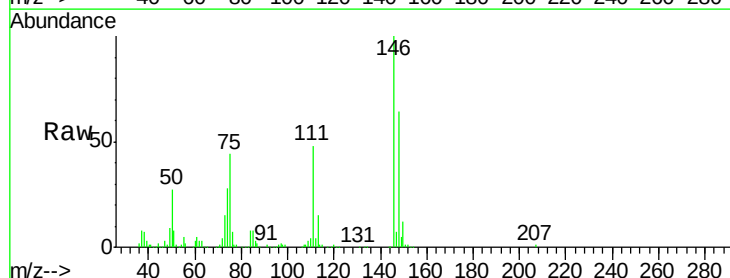
Tgt Ion:146 Resp: 216553

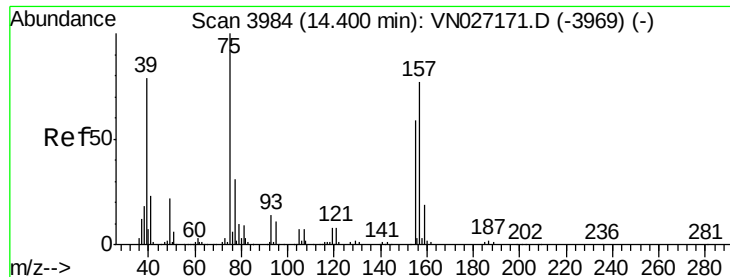
Ion Ratio Lower Upper

146 100

111 48.7 22.1 66.3

148 64.1 32.0 96.0





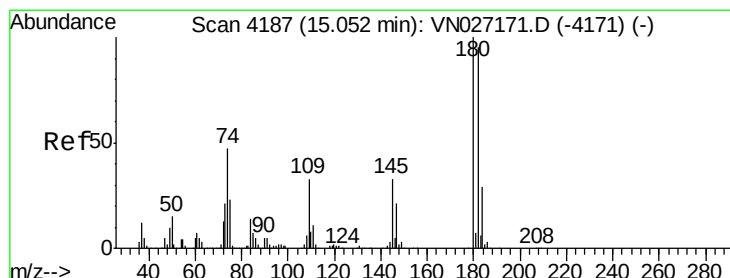
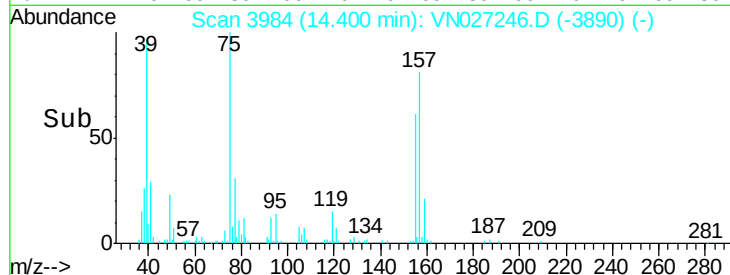
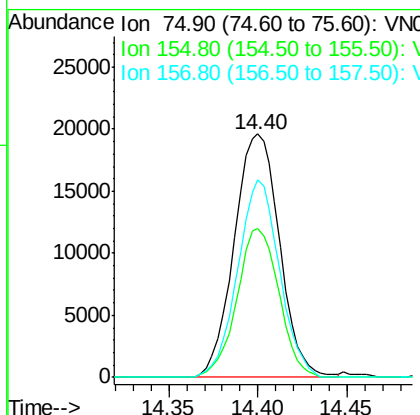
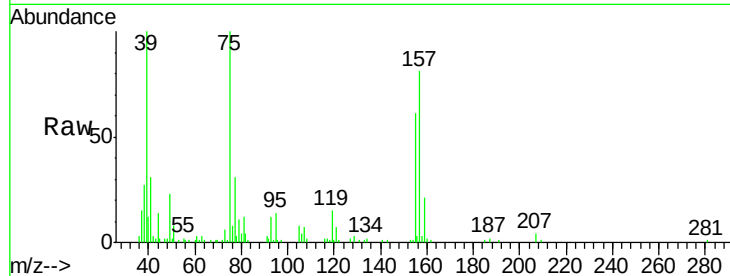
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 16.35 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
155	56.6	35.6	106.9
157	74.7	44.6	133.8

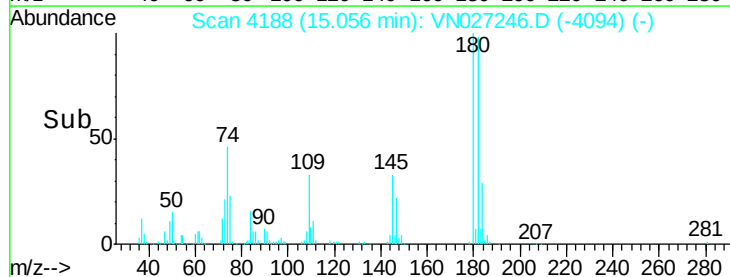
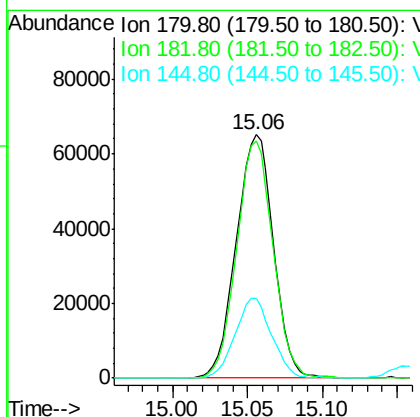
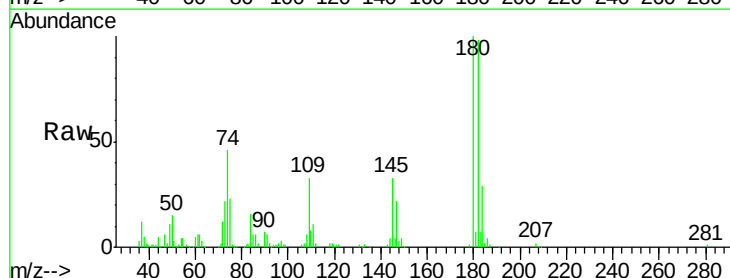
Manual Integrations
 APPROVED

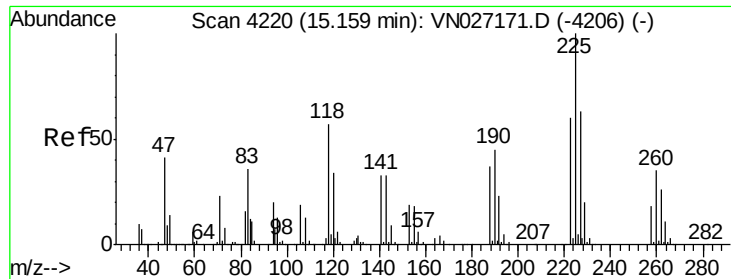
MMDadoda
 9/18/2015 12:22:32 PM



#94
 1,2,4-Trichlorobenzene
 Concen: 17.82 ug/l
 RT: 15.06 min Scan# 4188
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	47.5	142.5
145	32.1	15.1	45.3





#95

Hexachlorobutadiene

Concen: 18.70 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Instrument :

MSVOA_N

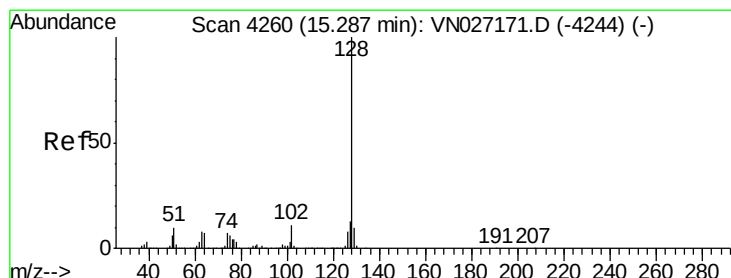
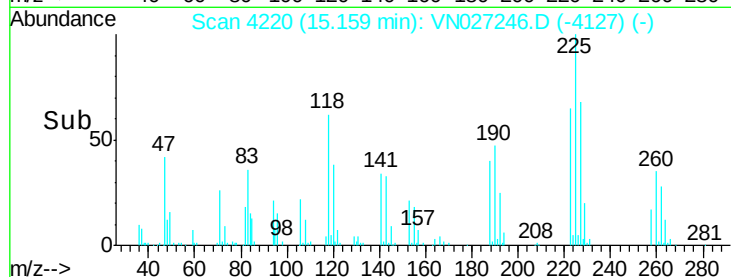
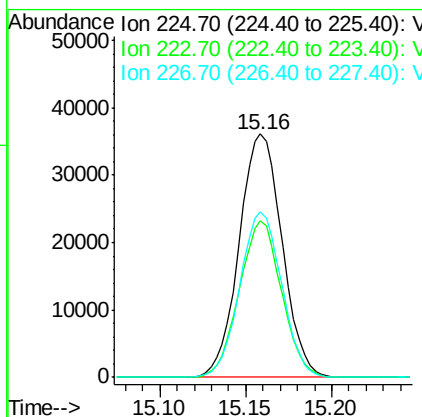
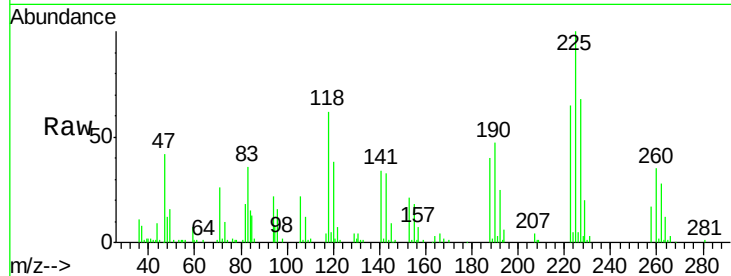
ClientSampleId :

VN0917WBS01

Tot Ion:	225	Resp:	62312
Ion Ratio		Lower	Upper
225	100		
223	63.4	30.8	92.3
227	66.6	31.7	95.1

Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:22:32 PM



#96

Naphthalene

Concen: 16.52 ug/l

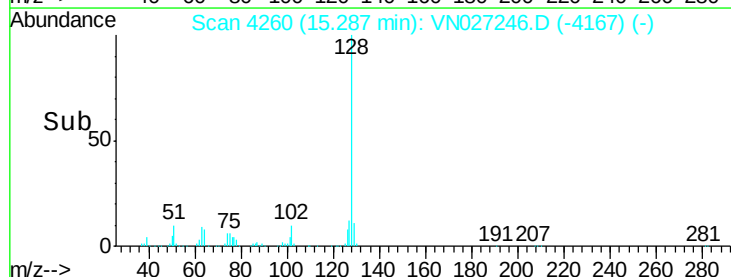
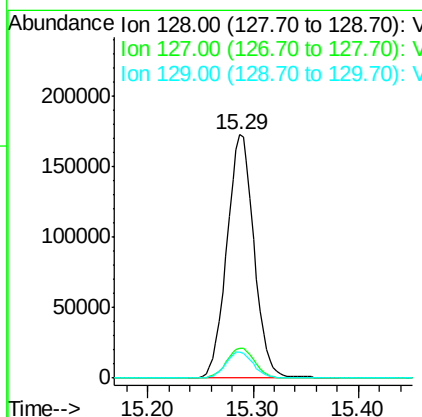
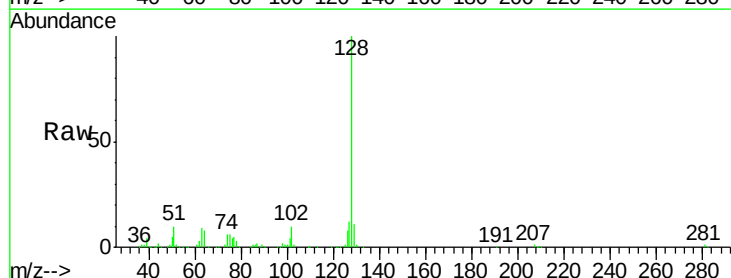
RT: 15.29 min Scan# 4260

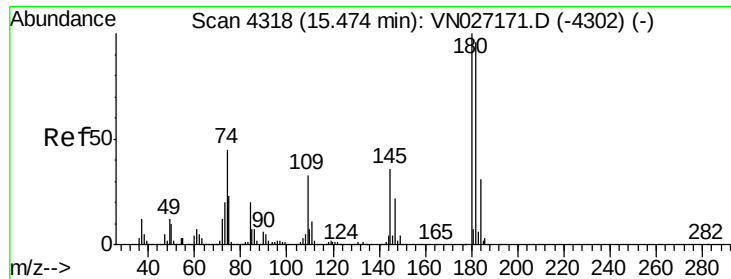
Delta R.T. 0.00 min

Lab File: VN027246.D

Acq: 17 Sep 2015 11:03

Tgt Ion:	128	Resp:	306504
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: 17.82 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027246.D
 Acq: 17 Sep 2015 11:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0917WBS01

Tot Ion:	180	Resp:	112057
Ion Ratio	Lower	Upper	
180	100		
182	97.5	48.8	146.4
145	35.1	16.6	49.8

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:22:32 PM

