

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027346.D
 Acq On : 21 Sep 2015 23:17
 Operator : MD\FY
 Sample : VN0921WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:28:58 PM

Quant Time: Sep 22 03:53:35 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 13:12:32 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	539062	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1034487	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	865769	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	327543	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	489915	46.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.86%	
36) Dibromofluoromethane	7.68	113	305297	45.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.46%	
51) Toluene-d8	10.19	98	1168521	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
63) 4-Bromofluorobenzene	12.52	95	411962	43.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	105869	18.92	ug/l	97
3) Chlorodifluoromethane	1.82	51	137730	19.44	ug/l	95
4) Chloromethane	2.01	50	124326	19.39	ug/l	99
5) Vinyl Chloride	2.14	62	138301	19.34	ug/l	96
6) Bromomethane	2.54	94	59182	20.32	ug/l	99
7) Chloroethane	2.69	64	90857	19.98	ug/l	99
8) Trichlorofluoromethane	3.02	101	203577	19.60	ug/l	99
9) Diethyl Ether	3.43	74	95371	20.66	ug/l	82
10) 1,1,2-Trichlorotrifluoroet	3.79	101	130676	19.84	ug/l	96
11) Methyl Iodide	3.99	142	94016	19.90	ug/l	95
12) Tert butyl alcohol	4.80	59	87382	103.80	ug/l	99
13) 1,1-Dichloroethene	3.77	96	123951	20.14	ug/l	97
14) Acrolein	3.62	56	92291	84.56	ug/l	97
15) Allyl chloride	4.37	41	232059	19.33	ug/l #	82
16) Acrylonitrile	5.03	53	303345	99.24	ug/l	98
17) Acetone	3.83	43	246760	85.95	ug/l	96
18) Carbon Disulfide	4.11	76	346795	18.82	ug/l	99
19) Methyl Acetate	4.36	43	376057	21.12	ug/l	92
20) Methyl tert-butyl Ether	5.12	73	494601	20.13	ug/l	95
21) Methylene Chloride	4.60	84	152948	20.01	ug/l	96
22) trans-1,2-Dichloroethene	5.13	96	131802	19.47	ug/l	97
23) Diisopropyl ether	6.04	45	516592	19.79	ug/l #	87
24) Vinyl Acetate	5.98	43	792308m	96.33	ug/l	
25) 1,1-Dichloroethane	5.93	63	305166	20.06	ug/l	99
26) 2-Butanone	6.92	43	367781	97.82	ug/l	98
27) 2,2-Dichloropropane	6.92	77	226803	17.30	ug/l	96
28) cis-1,2-Dichloroethene	6.92	96	161085	20.14	ug/l	99
29) Bromochloromethane	7.29	49	116294	19.48	ug/l	96
30) Tetrahydrofuran	7.32	42	245478	103.01	ug/l	90
31) Chloroform	7.46	83	293568	20.54	ug/l	96
32) Cyclohexane	7.77	56	278525	19.63	ug/l #	90
33) 1,1,1-Trichloroethane	7.67	97	249399	19.69	ug/l	96
37) 1,1-Dichloropropene	7.89	75	208573	18.71	ug/l	100
38) Ethyl Acetate	7.02	43	170445	19.80	ug/l	98

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Quant Time: Sep 22 03:53:35 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	197421	18.82	ug/l	95
40) Methylcyclohexane	9.19	83	241790	18.26	ug/l	97
41) Benzene	8.14	78	625513	19.33	ug/l	100
42) Methacrylonitrile	7.25	41	95613	18.81	ug/l #	85
43) 1,2-Dichloroethane	8.22	62	249944	18.95	ug/l	96
44) Isopropyl Acetate	8.25	43	320631	19.49	ug/l	98
45) Trichloroethene	8.93	130	124607	19.22	ug/l	89
46) 1,2-Dichloropropane	9.21	63	175999	19.43	ug/l	100
47) Dibromomethane	9.31	93	103773	19.09	ug/l	94
48) Bromodichloromethane	9.49	83	217304	18.85	ug/l	96
49) Methyl methacrylate	9.29	41	151587	19.58	ug/l #	87
50) 1,4-Dioxane	9.30	88	37027	396.14	ug/l	98
52) 4-Methyl-2-Pentanone	10.07	43	843597	99.68	ug/l	99
53) Toluene	10.26	92	364899	19.06	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	221312	17.98	ug/l	97
55) cis-1,3-Dichloropropene	9.93	75	248964	18.42	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	140016	19.61	ug/l	99
57) Ethyl methacrylate	10.52	69	217319	19.18	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	257637	19.58	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	510512	101.68	ug/l	97
60) 2-Hexanone	10.84	43	561367	97.60	ug/l	100
61) Dibromochloromethane	11.00	129	132449	18.95	ug/l	97
62) 1,2-Dibromoethane	11.11	107	128113	18.87	ug/l	98
65) Tetrachloroethene	10.74	164	99640	19.34	ug/l	90
66) Chlorobenzene	11.54	112	359609	19.37	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	122350	19.64	ug/l	97
68) Ethyl Benzene	11.62	91	682379	19.49	ug/l	100
69) m/p-Xylenes	11.73	106	474649	39.10	ug/l	92
70) o-Xylene	12.06	106	237554	19.37	ug/l	92
71) Styrene	12.08	104	380384	19.48	ug/l	95
72) Bromoform	12.24	173	78610	18.81	ug/l #	99
74) Isopropylbenzene	12.36	105	648305	19.76	ug/l	98
75) N-amyl acetate	12.17	43	250562	19.25	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	181368	19.64	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	162753m	19.79	ug/l	
78) Bromobenzene	12.64	156	122940	19.15	ug/l	92
79) n-propylbenzene	12.71	91	739187	18.89	ug/l	98
80) 2-Chlorotoluene	12.79	91	448969	18.77	ug/l	96
81) 1,3,5-Trimethylbenzene	12.85	105	503810	18.99	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	56210	17.53	ug/l	94
83) 4-Chlorotoluene	12.89	91	446941	19.14	ug/l	95
84) tert-Butylbenzene	13.11	119	420770	19.67	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	507444	19.24	ug/l	96
86) sec-Butylbenzene	13.29	105	613614	19.26	ug/l	99
87) p-Isopropyltoluene	13.41	119	453115	18.97	ug/l	93
88) 1,3-Dichlorobenzene	13.41	146	217912	19.67	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	209946	18.73	ug/l	92
90) n-Butylbenzene	13.74	91	433142	18.16	ug/l	98
91) Hexachloroethane	14.01	117	93649	18.34	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	217661	19.67	ug/l	96

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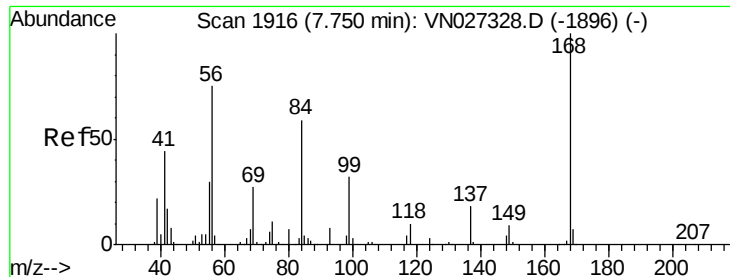
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 21 13:12:32 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	33829	18.69	ug/l	85
94) 1,2,4-Trichlorobenzene	15.05	180	107663	18.82	ug/l	99
95) Hexachlorobutadiene	15.16	225	57389	18.31	ug/l	98
96) Naphthalene	15.29	128	293405	19.28	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	108550	19.05	ug/l	97

(#) = 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: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion:168 Resp: 539062

Ion Ratio Lower Upper

168 100

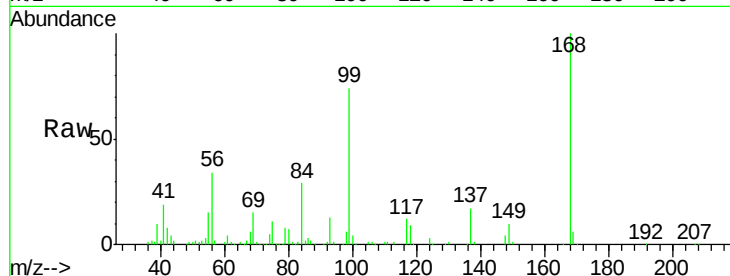
99 73.3 50.4 75.6

Manual Integrations

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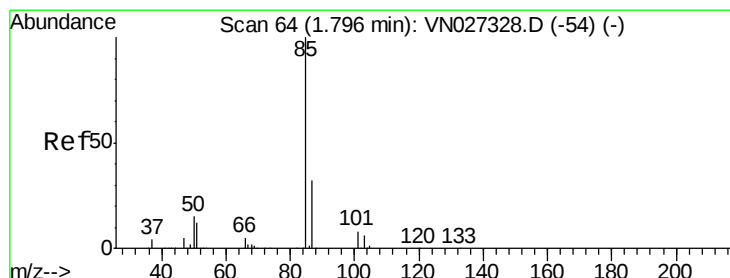
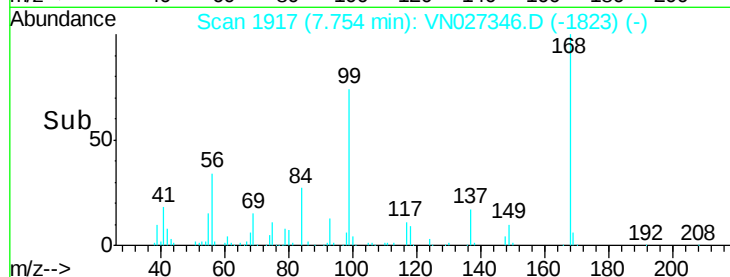
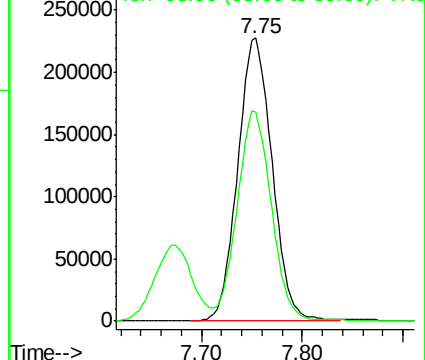
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 18.92 ug/l

RT: 1.80 min Scan# 65

Delta R.T. 0.00 min

Lab File: VN027346.D

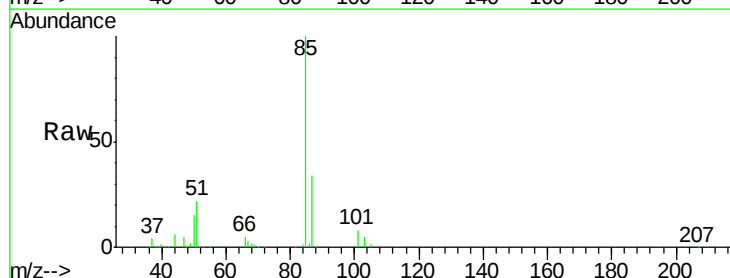
Acq: 21 Sep 2015 23:17

Tgt Ion: 85 Resp: 105869

Ion Ratio Lower Upper

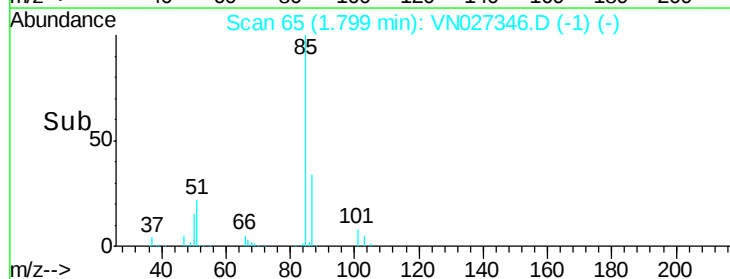
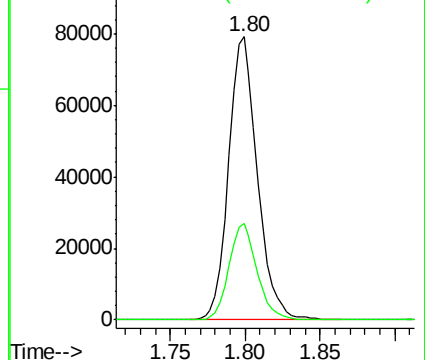
85 100

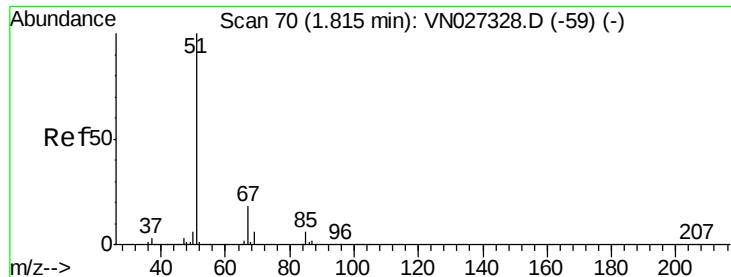
87 34.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 19.44 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Tot Ion: 51 Resp: 137730

Ion Ratio Lower Upper

51 100

67 17.5 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

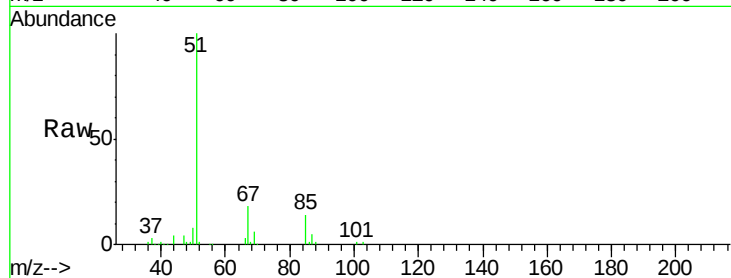
VN0921WBS02

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

120000

100000

80000

60000

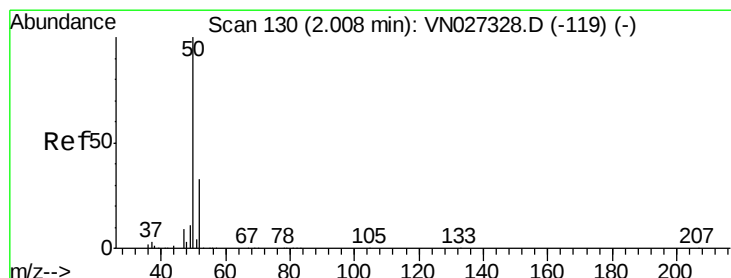
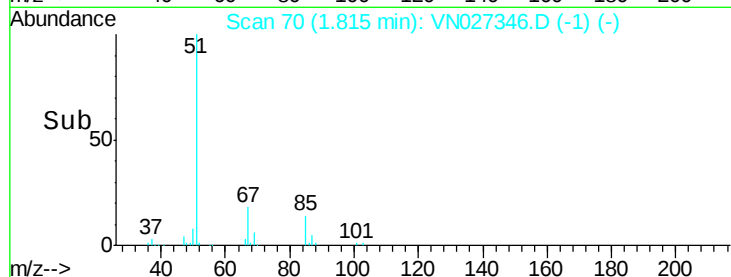
40000

20000

0

1.75 1.80 1.85

Time-->



#4

Chloromethane

Concen: 19.39 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027346.D

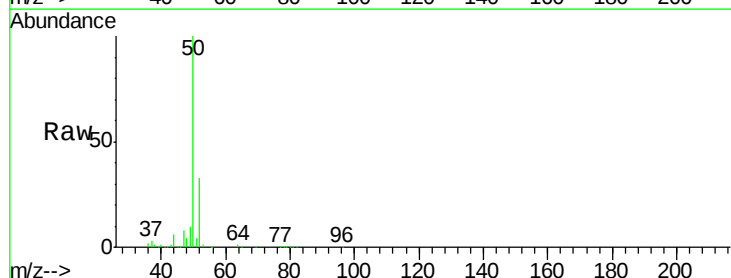
Acq: 21 Sep 2015 23:17

Tgt Ion: 50 Resp: 124326

Ion Ratio Lower Upper

50 100

52 33.0 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

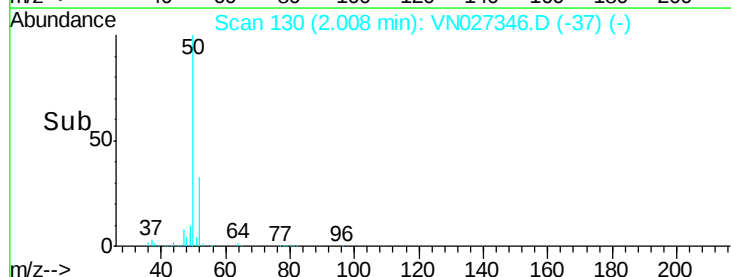
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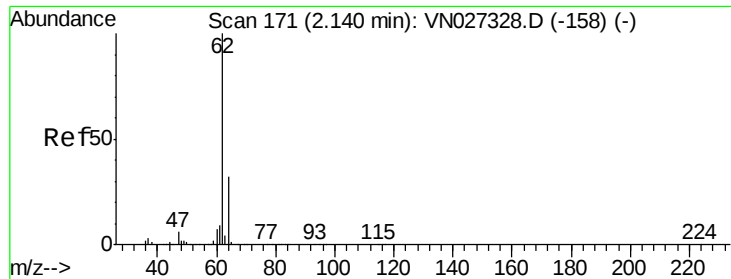
20000

0

1.95 2.00 2.05

Time-->





#5

Vinyl Chloride

Concen: 19.34 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampled :

VN0921WBS02

Tot Ion: 62 Resp: 138301

Ion Ratio Lower Upper

62 100

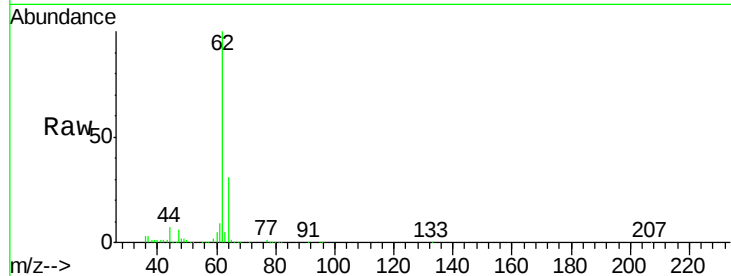
64 30.2 25.9 38.9

Manual Integrations

APPROVED

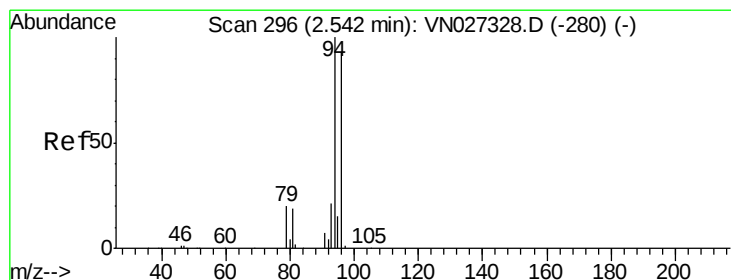
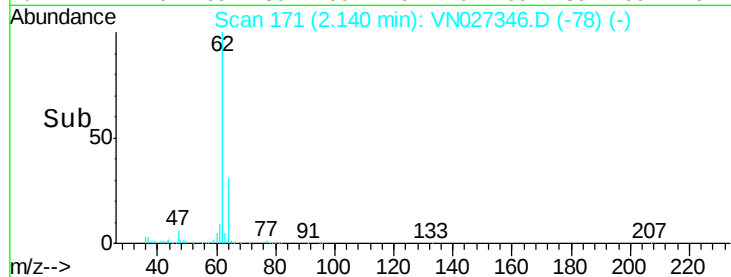
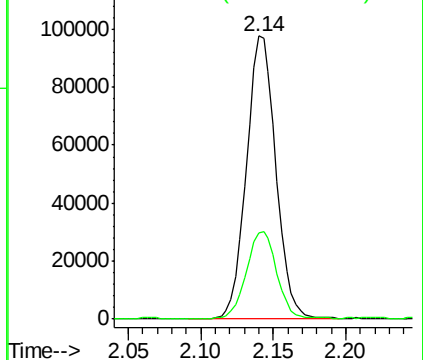
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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC



#6

Bromomethane

Concen: 20.32 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.00 min

Lab File: VN027346.D

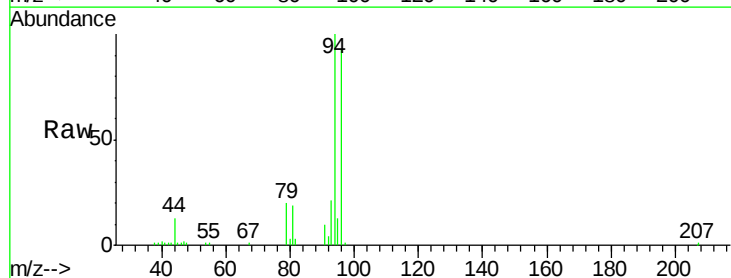
Acq: 21 Sep 2015 23:17

Tgt Ion: 94 Resp: 59182

Ion Ratio Lower Upper

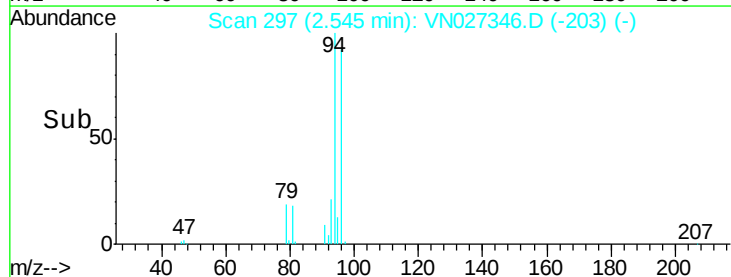
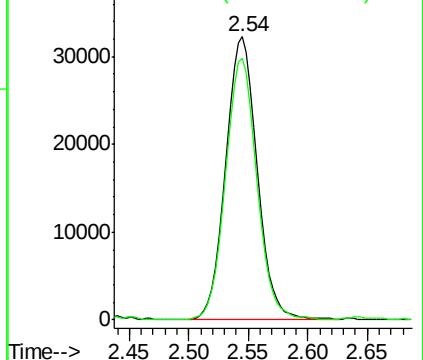
94 100

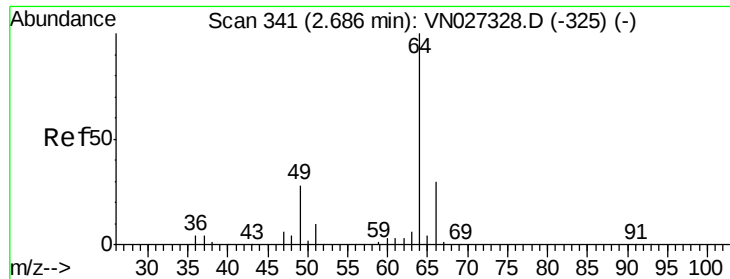
96 92.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC





#7

Chloroethane

Concen: 19.98 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

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Acq: 21 Sep 2015 23:17

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Tot Ion: 64 Resp: 90857

Ion Ratio Lower Upper

64 100

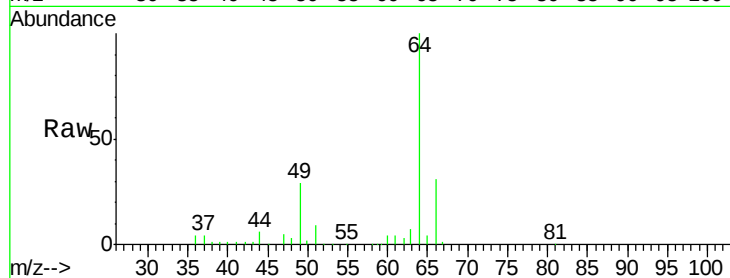
66 31.3 25.5 38.3

Manual Integrations

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Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.69

50000

40000

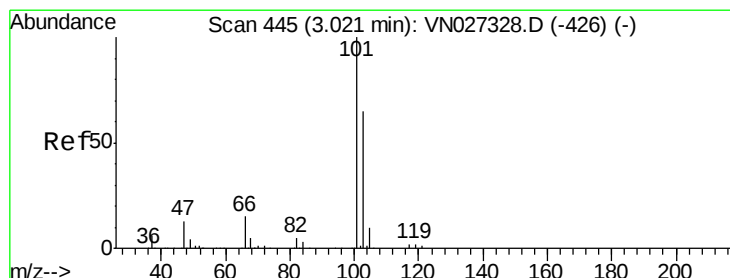
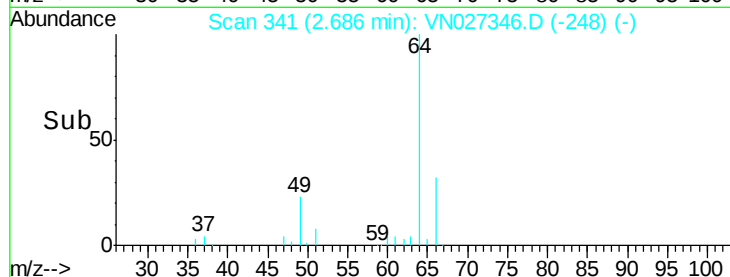
30000

20000

10000

0

Time-->



#8

Trichlorofluoromethane

Concen: 19.60 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027346.D

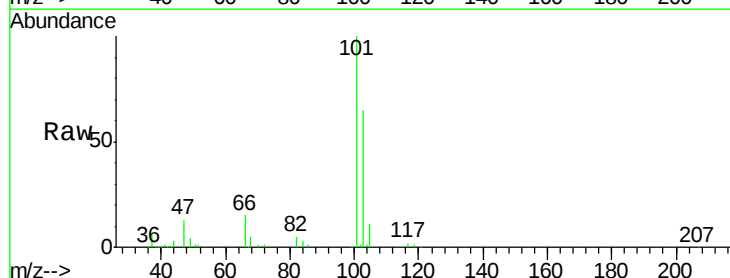
Acq: 21 Sep 2015 23:17

Tgt Ion:101 Resp: 203577

Ion Ratio Lower Upper

101 100

103 65.3 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.02

100000

80000

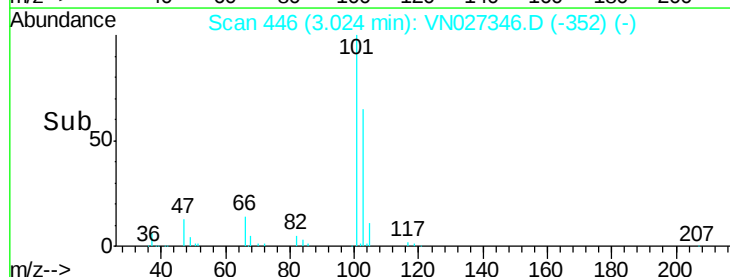
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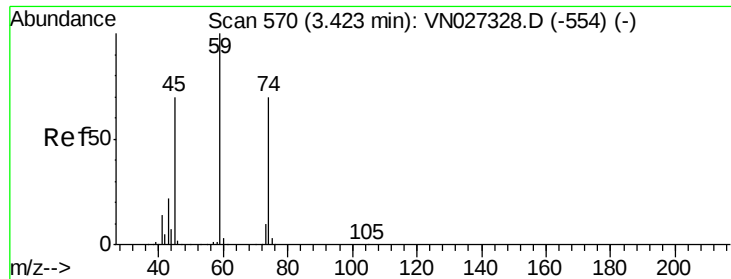
40000

20000

0

Time-->





#9

Diethyl Ether

Concen: 20.66 ug/l

RT: 3.43 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion: 74 Resp: 95371

Ion Ratio Lower Upper

74 100

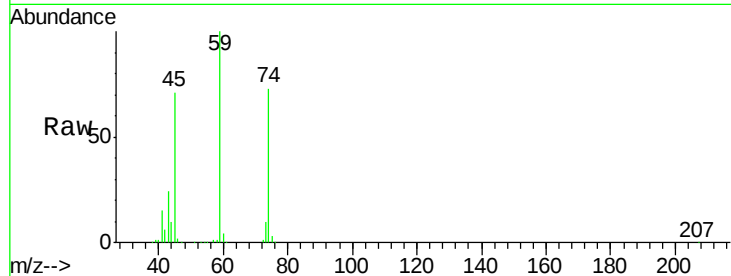
45 96.7 58.1 174.3

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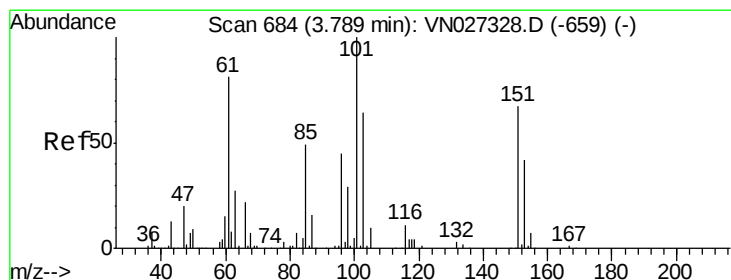
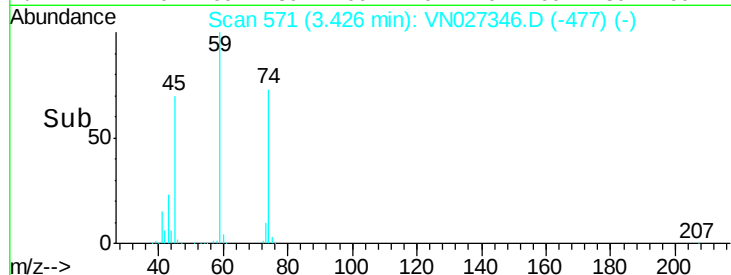
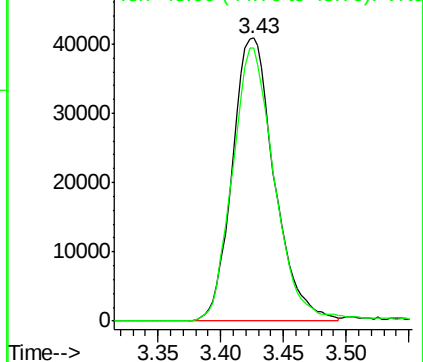
MMDadoda

9/22/2015 2:28:58 PM



Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#10

1,1,2-Trichlorotrifluoroethane

Concen: 19.84 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

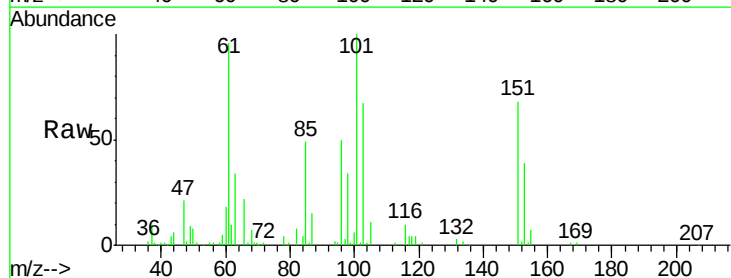
Tgt Ion: 101 Resp: 130676

Ion Ratio Lower Upper

101 100

85 47.9 37.4 56.0

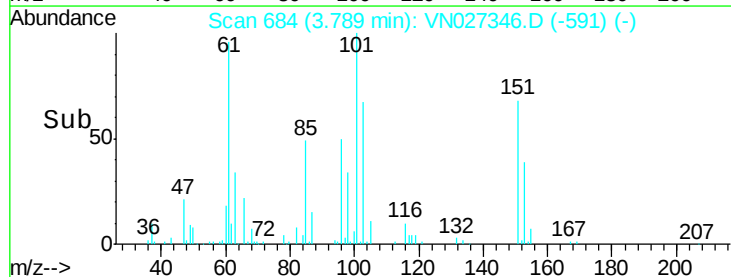
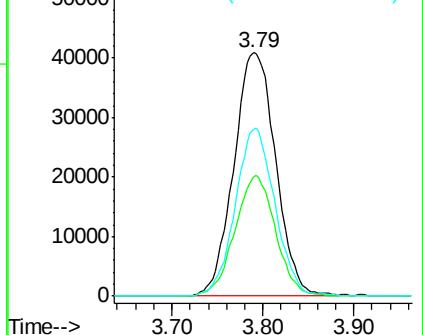
151 65.1 55.9 83.9

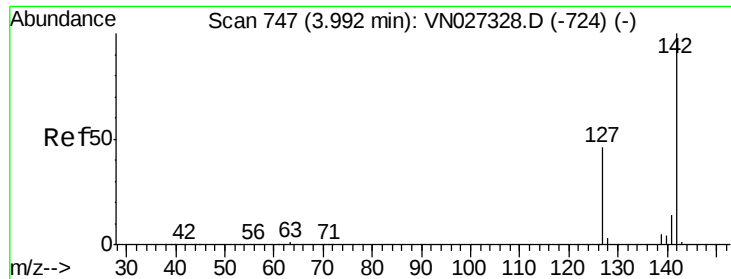


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





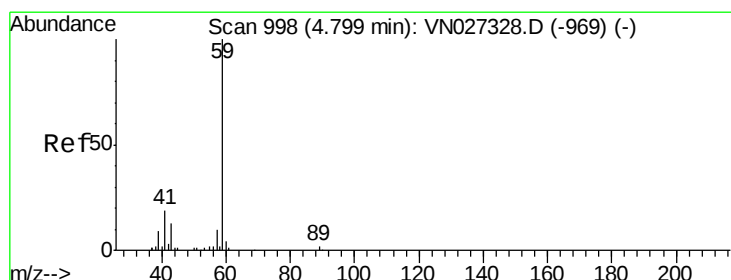
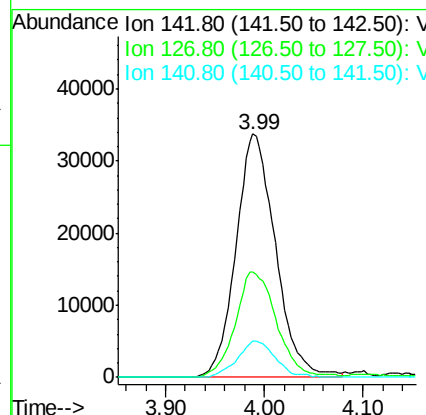
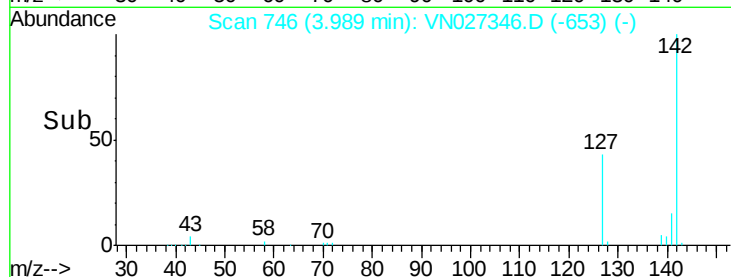
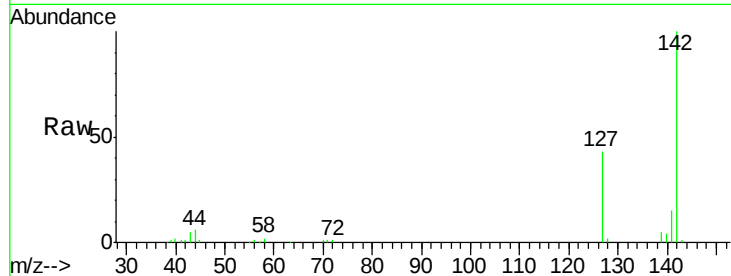
#11
Methvl Iodide
Concen: 19.90 ug/l
RT: 3.99 min Scan# 746
Delta R.T. -0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	44.7	32.3	48.5
141	14.3	11.2	16.8

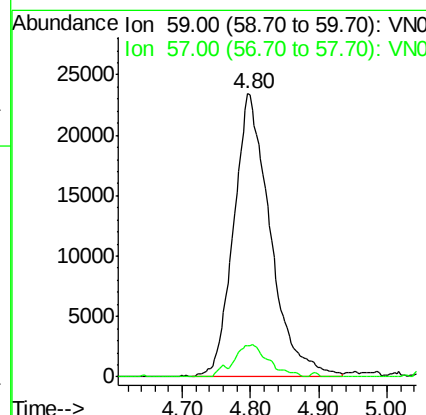
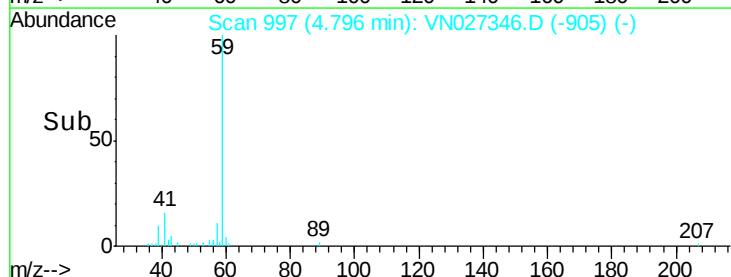
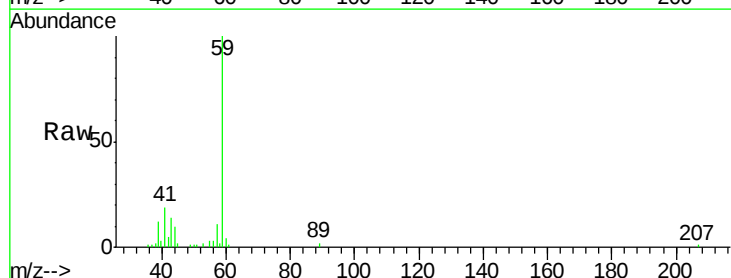
Manual Integrations
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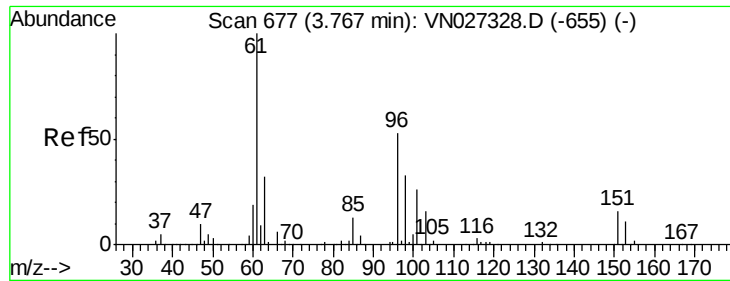
MMDadoda
9/22/2015 2:28:58 PM



#12
Tert butyl alcohol
Concen: 103.80 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.6	11.4





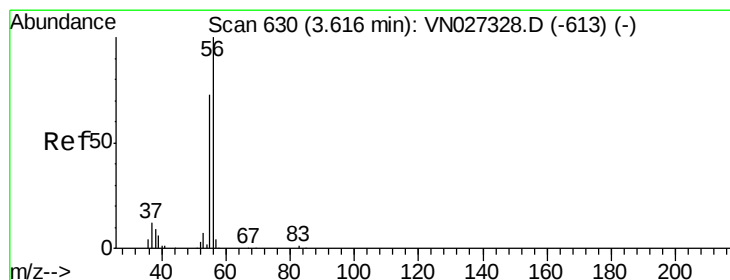
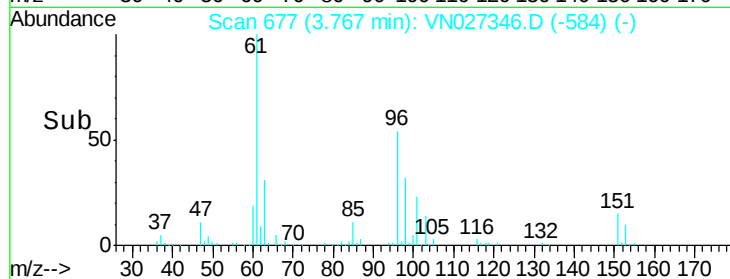
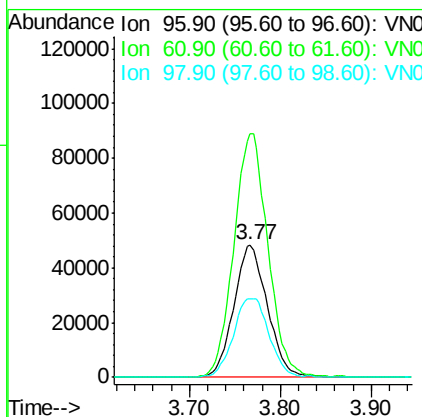
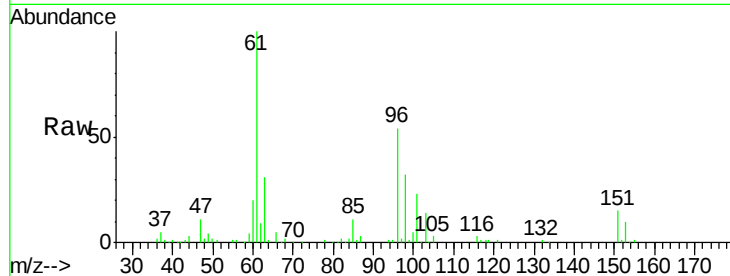
#13
 1,1-Dichloroethene
 Concen: 20.14 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	183.6	143.8	215.8
98	59.5	50.3	75.5

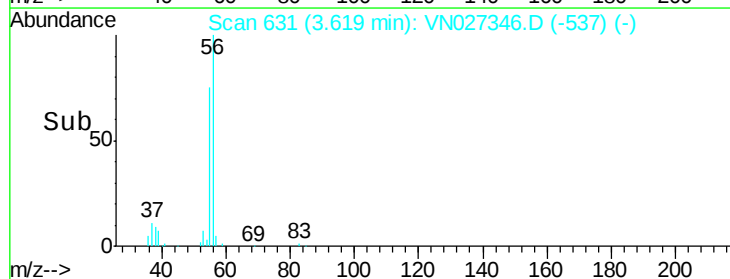
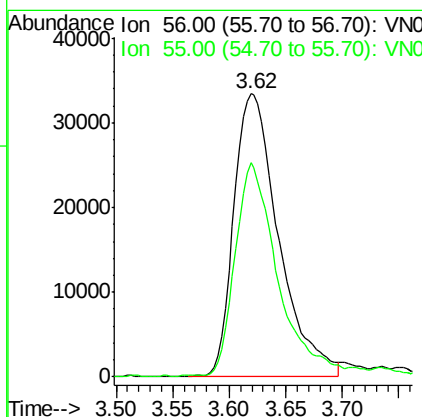
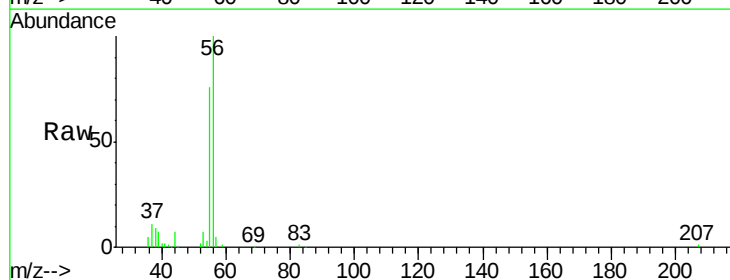
Manual Integrations
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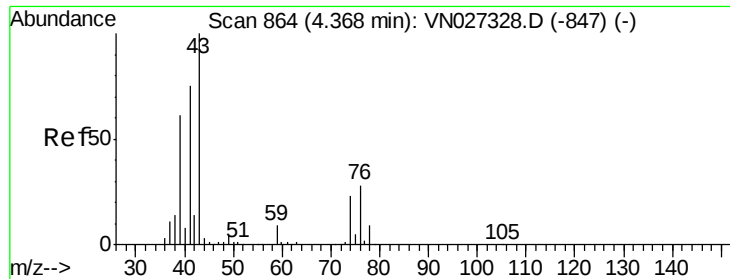
MMDadoda
 9/22/2015 2:28:58 PM



#14
 Acrolein
 Concen: 84.56 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.2	55.7	83.5





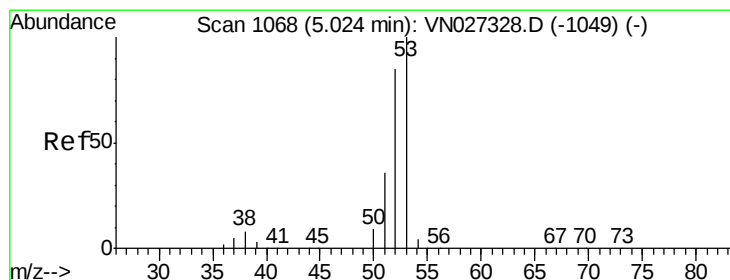
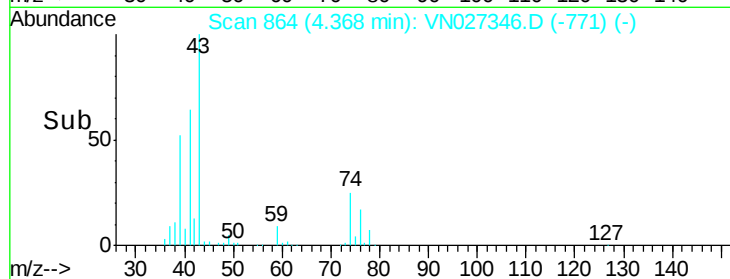
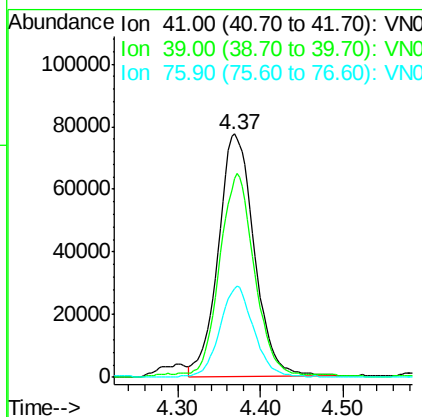
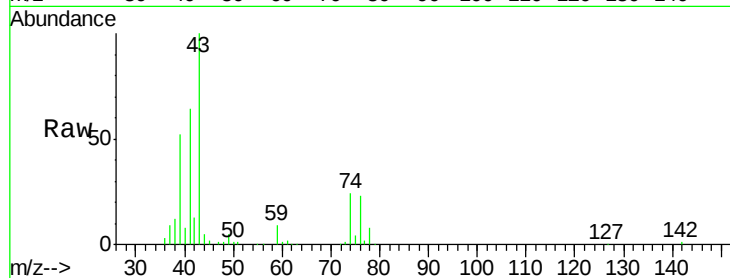
#15
Allvl chloride
Concen: 19.33 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	80.6	49.7	74.5#
76	34.8	24.8	37.2

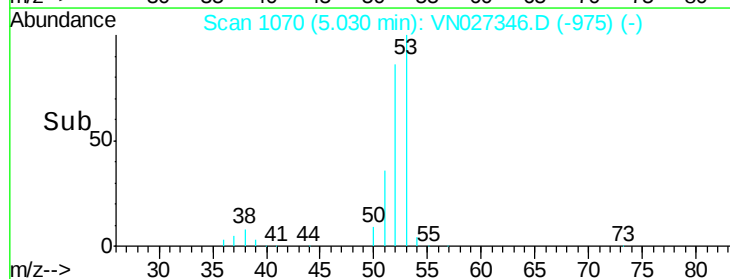
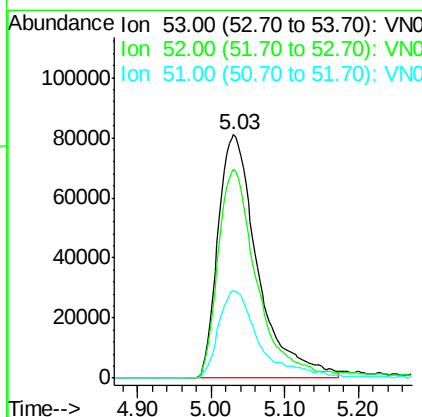
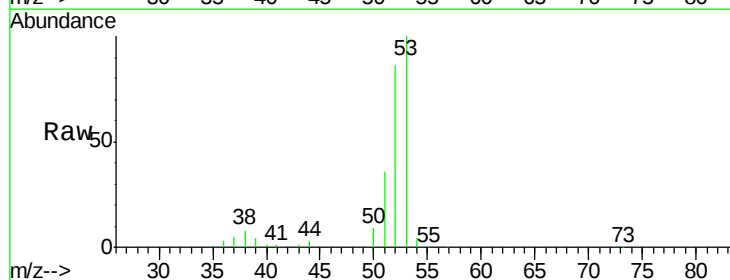
Manual Integrations
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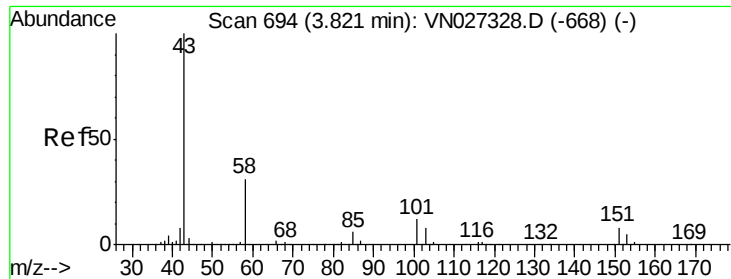
MMDadoda
9/22/2015 2:28:58 PM



#16
Acrylonitrile
Concen: 99.24 ug/l
RT: 5.03 min Scan# 1070
Delta R.T. 0.01 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.8	66.9	100.3
51	36.9	27.4	41.0





#17

Acetone

Concen: 85.95 ug/l

RT: 3.83 min Scan# 697

Delta R.T. 0.01 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion: 43 Resp: 246760

Ion Ratio Lower Upper

43 100

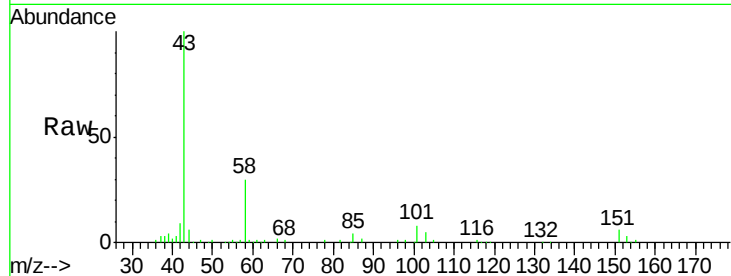
58 29.4 25.4 38.0

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

80000

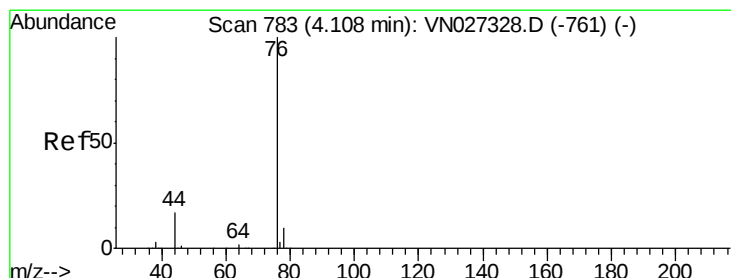
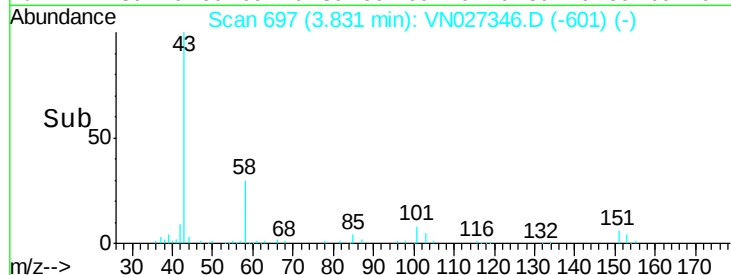
60000

40000

20000

0

Time-->



#18

Carbon Disulfide

Concen: 18.82 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027346.D

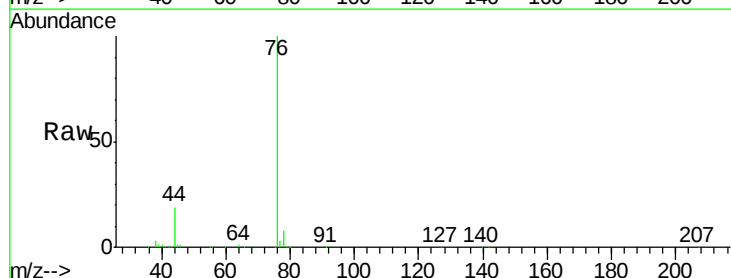
Acq: 21 Sep 2015 23:17

Tgt Ion: 76 Resp: 346795

Ion Ratio Lower Upper

76 100

78 8.5 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.11

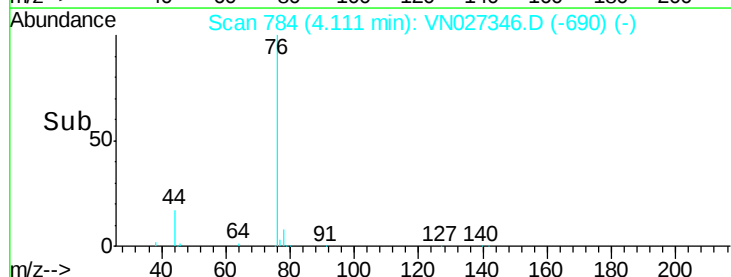
150000

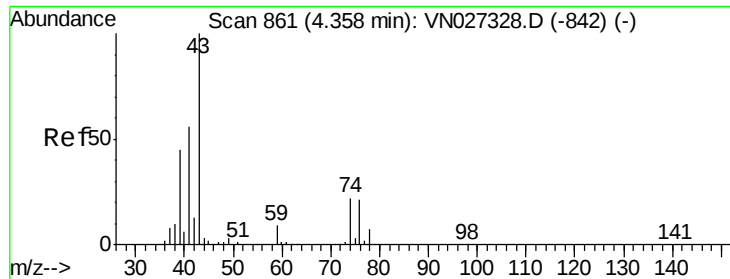
100000

50000

0

Time-->





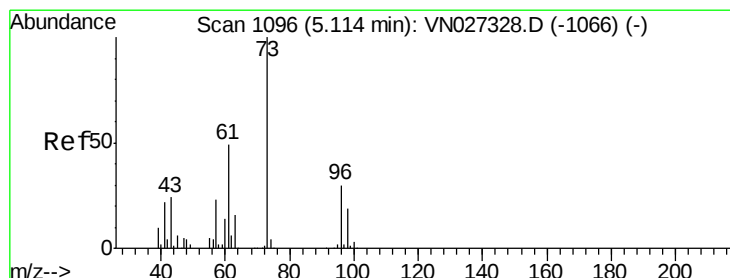
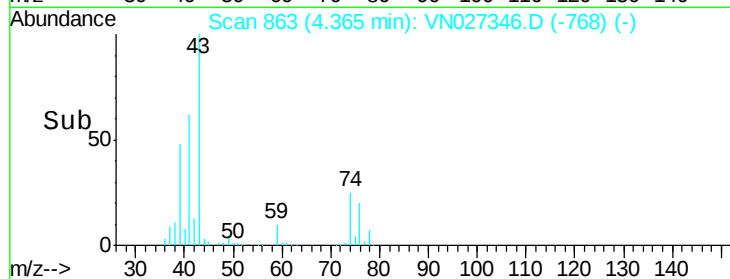
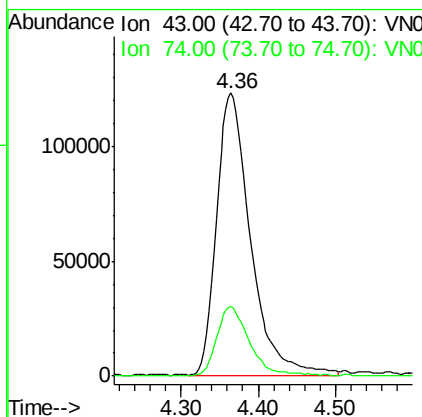
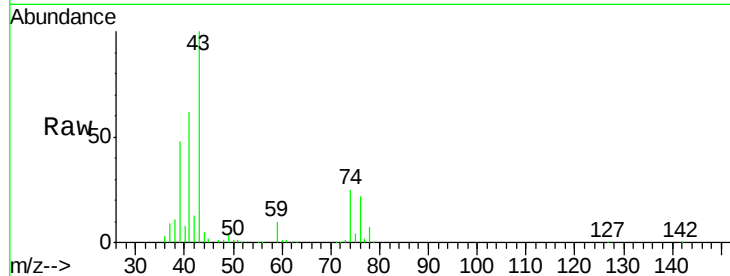
#19
Methvl Acetate
Concen: 21.12 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampled :
VN0921WBS02

Tot Ion: 43 Resp: 376057
Ion Ratio Lower Upper
43 100
74 23.8 16.2 24.2

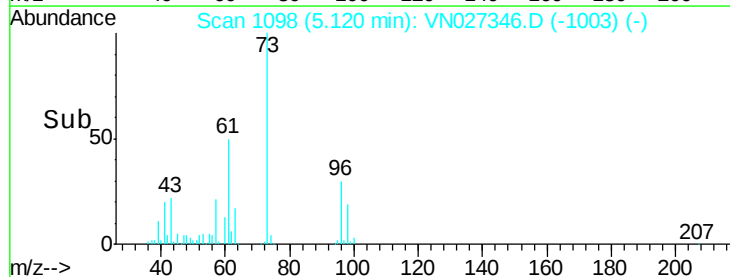
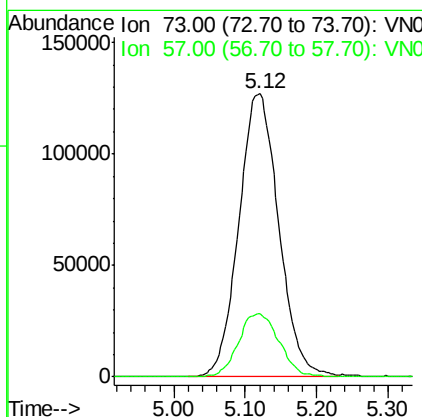
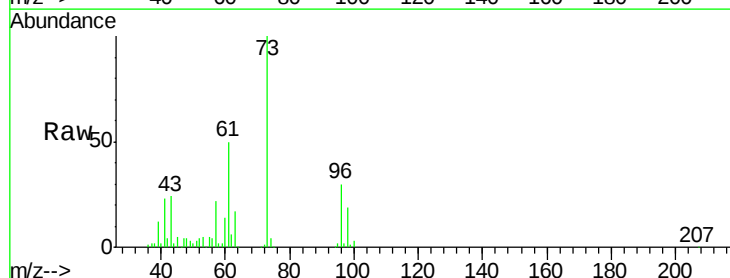
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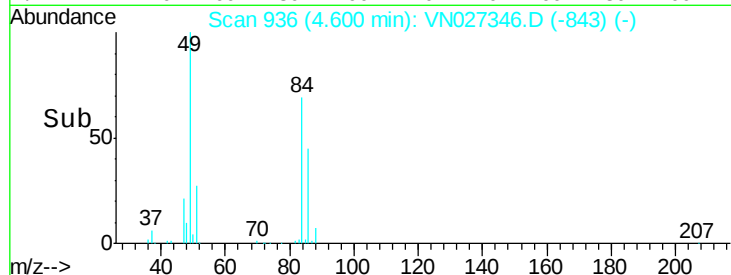
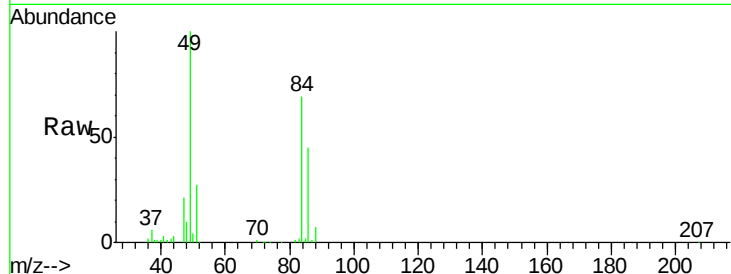
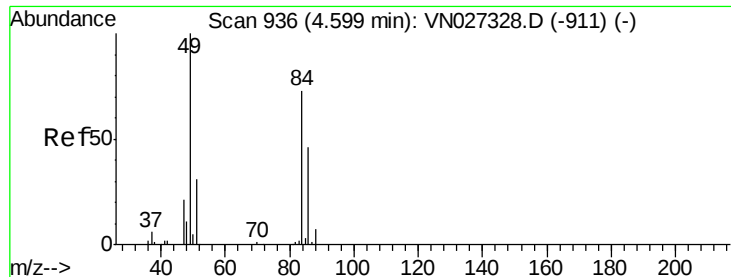
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#20
Methyl tert-butyl Ether
Concen: 20.13 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion: 73 Resp: 494601
Ion Ratio Lower Upper
73 100
57 22.3 19.8 29.6





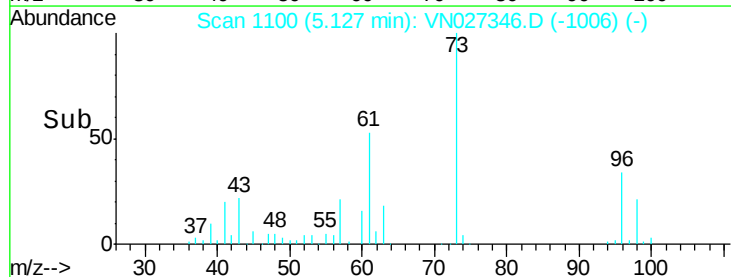
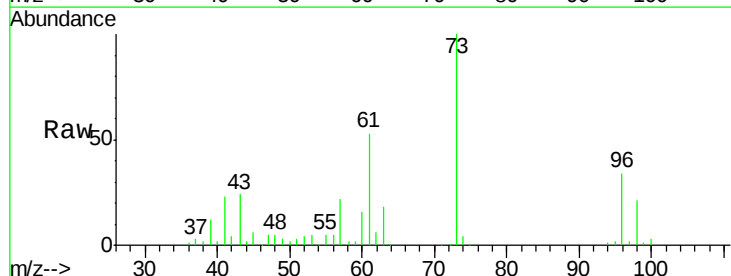
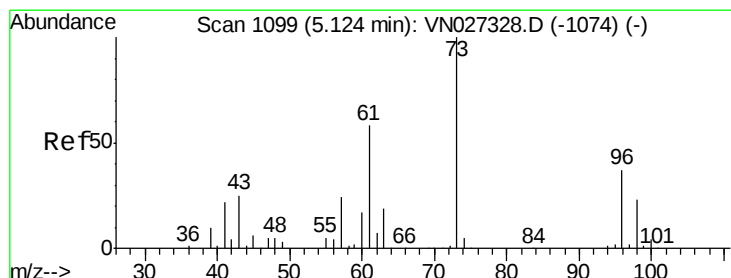
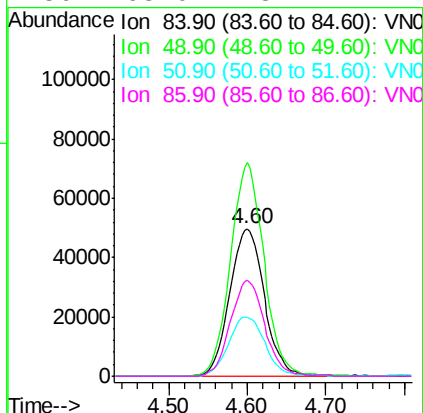
#21
Methvlene Chloride
Concen: 20.01 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tot Ion:	84	Resp:	152948
Ion	Ratio	Lower	Upper
84	100		
49	145.0	112.3	168.5
51	39.8	33.8	50.8
86	65.0	48.2	72.4

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

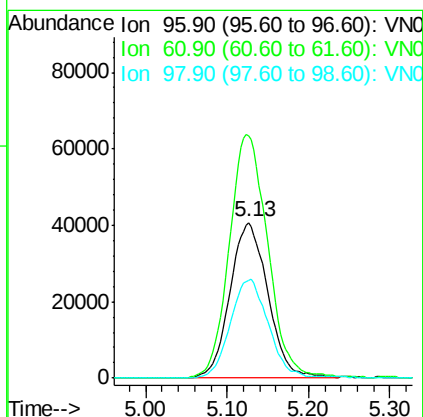
Manual Integrations
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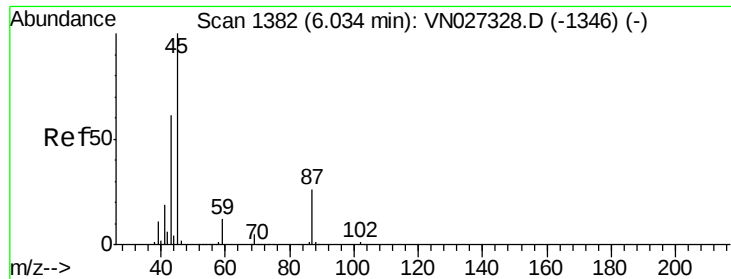
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 19.47 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion:	96	Resp:	131802
Ion	Ratio	Lower	Upper
96	100		
61	154.9	126.6	189.8
98	62.9	47.4	71.2





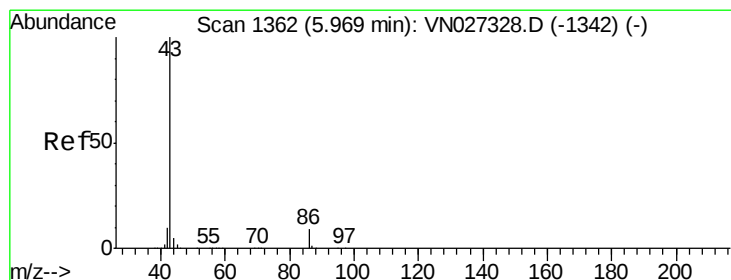
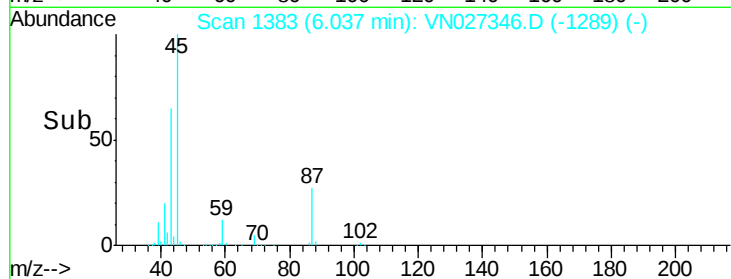
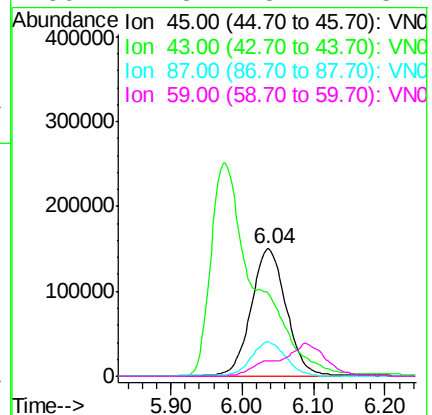
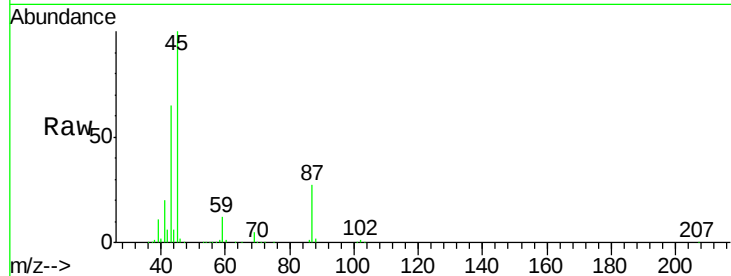
#23
Diisopropyl ether
Concen: 19.79 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion	Ratio	Lower	Upper
45	100		
43	62.5	41.0	61.6#
87	26.7	17.5	26.3#
59	11.8	8.7	13.1

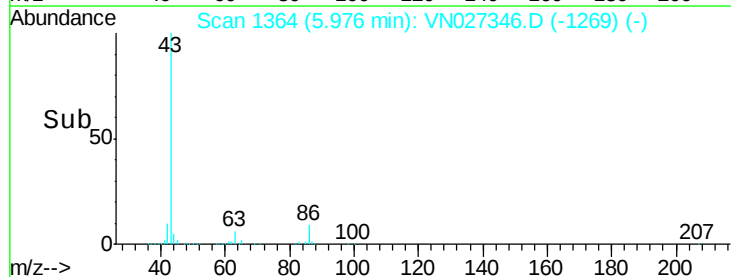
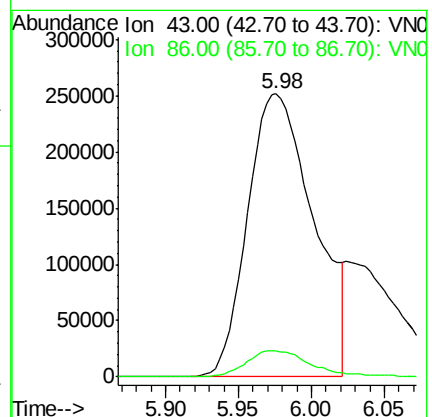
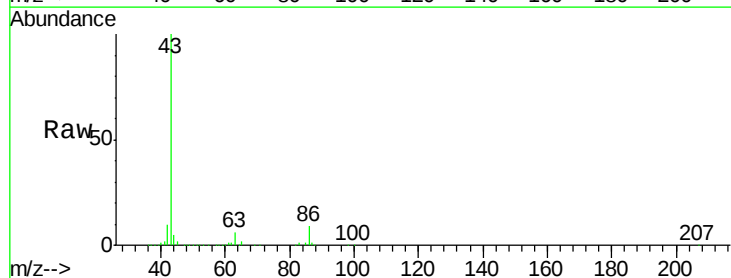
Manual Integrations
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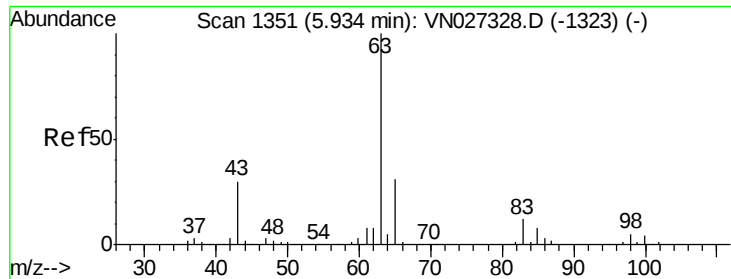
MMDadoda
9/22/2015 2:28:58 PM



#24
Vinyl Acetate
Concen: 96.33 ug/l m
RT: 5.98 min Scan# 1364
Delta R.T. 0.01 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.9	10.3





#25

1,1-Dichloroethane

Concen: 20.06 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

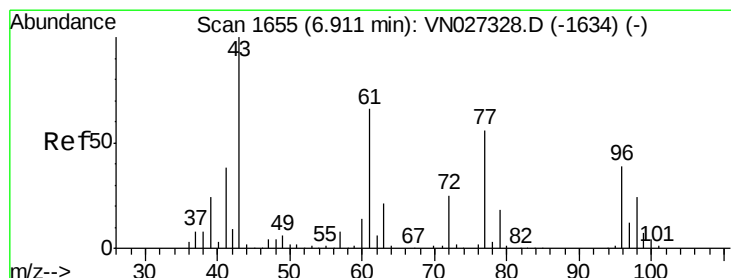
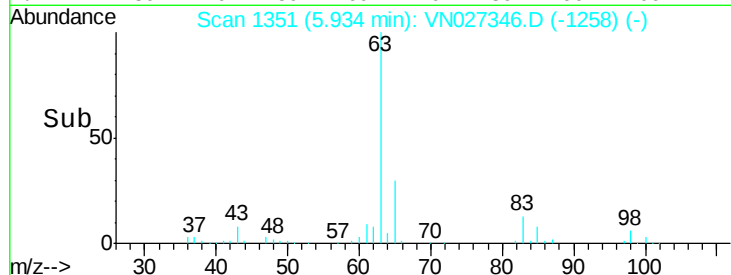
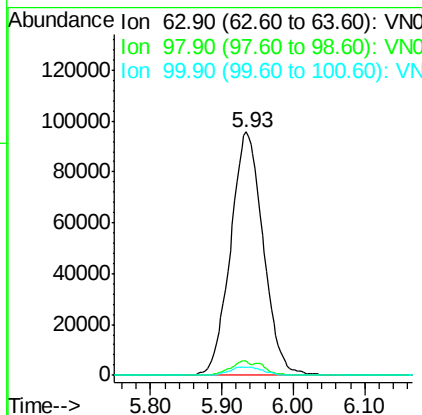
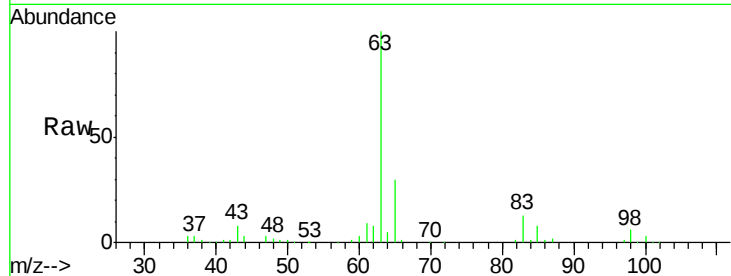
ClientSampleId :

VN0921WBS02

Tot Ion:	63	Resp:	305166
Ion Ratio		Lower	Upper
63	100		
98	5.8	2.8	8.3
100	3.2	1.7	5.0

Manual Integrations
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9/22/2015 2:28:58 PM



#26

2-Butanone

Concen: 97.82 ug/l

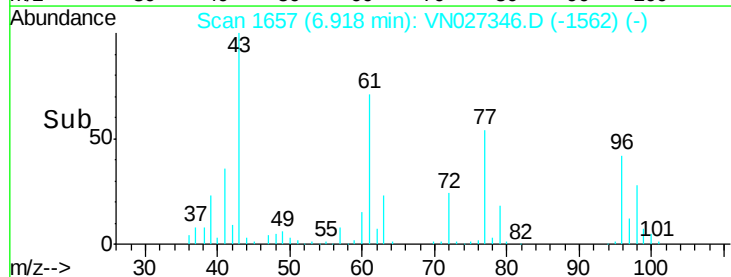
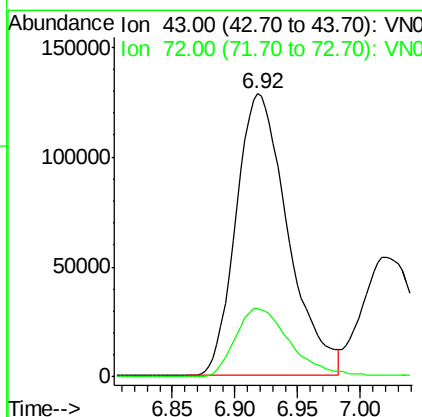
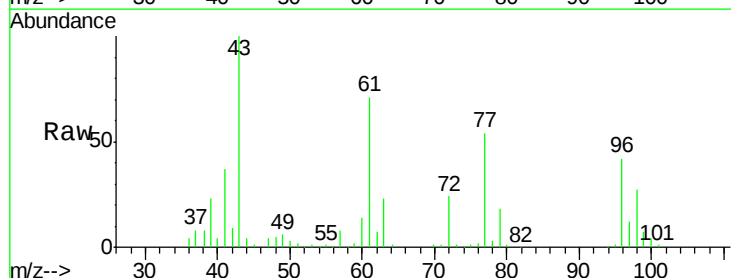
RT: 6.92 min Scan# 1657

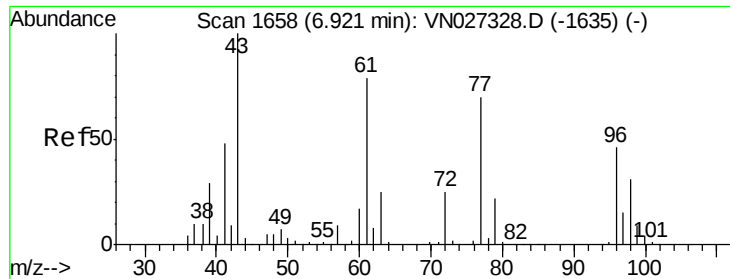
Delta R.T. 0.01 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Tgt Ion:	43	Resp:	367781
Ion Ratio		Lower	Upper
43	100		
72	24.4	18.8	28.2





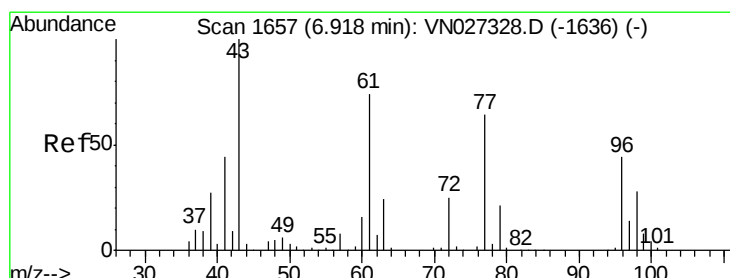
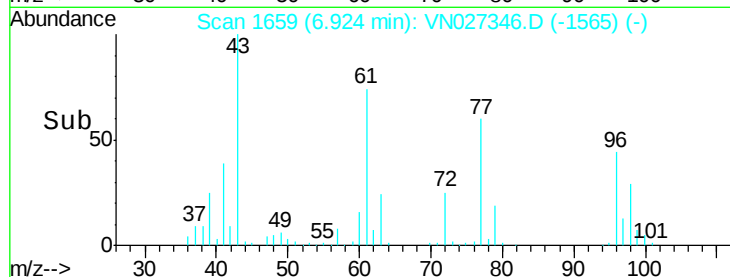
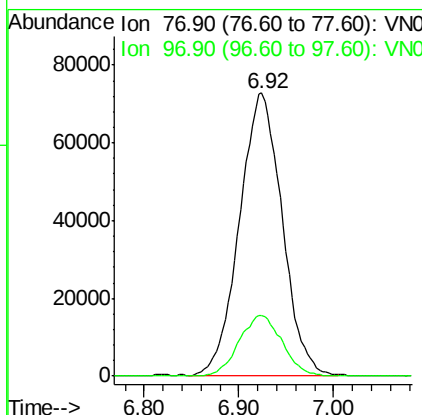
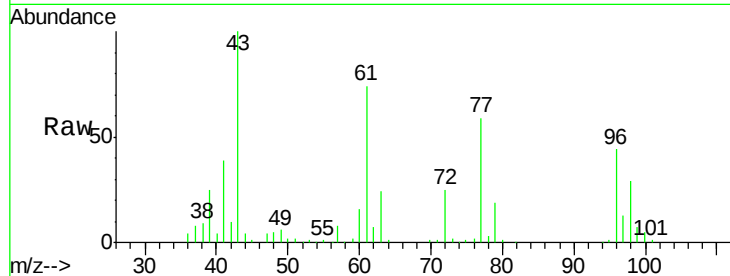
#27
 2,2-Dichloropropane
 Concen: 17.30 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBS02

Tot Ion: 77 Resp: 226803
 Ion Ratio Lower Upper
 77 100
 97 21.6 11.8 35.3

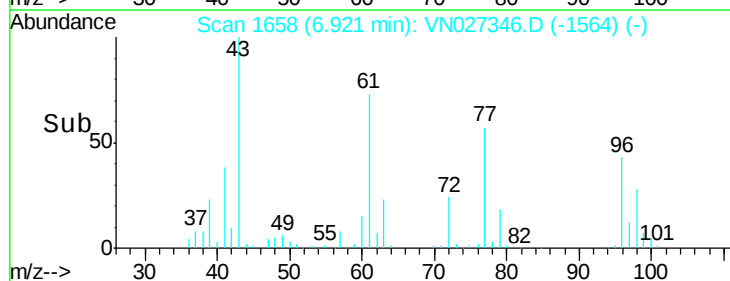
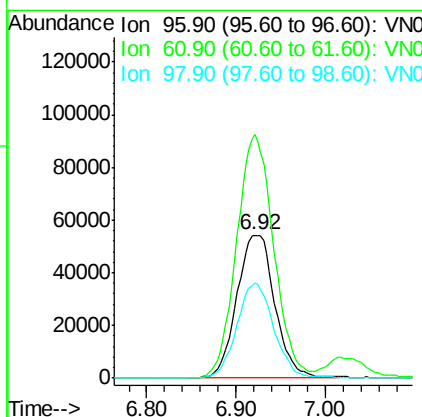
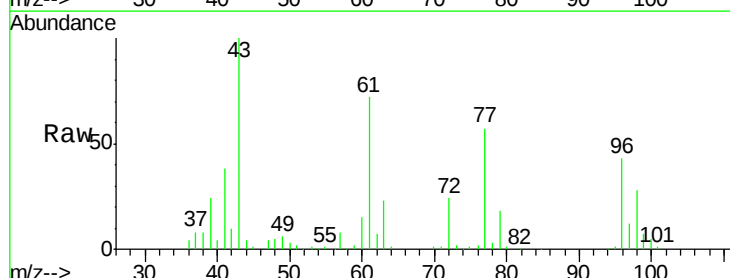
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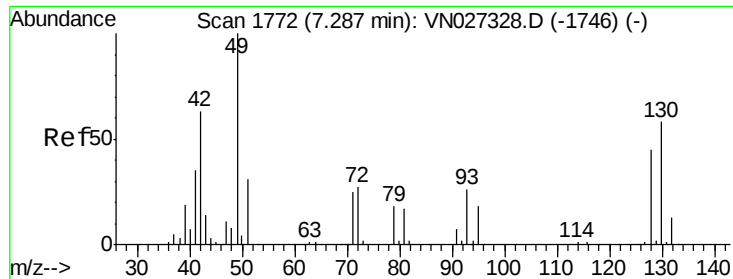
MMDadoda
 9/22/2015 2:28:58 PM



#28
 cis-1,2-Dichloroethene
 Concen: 20.14 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion: 96 Resp: 161085
 Ion Ratio Lower Upper
 96 100
 61 165.1 0.0 329.2
 98 64.4 0.0 126.0





#29

Bromochloromethane

Concen: 19.48 ug/l

RT: 7.29 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampled :

VN0921WBS02

Tot Ion: 49 Resp: 116294

Ion Ratio Lower Upper

49 100

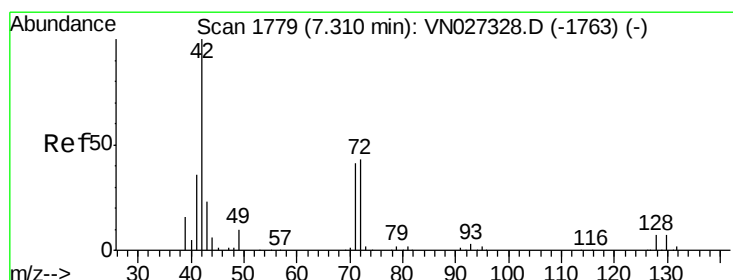
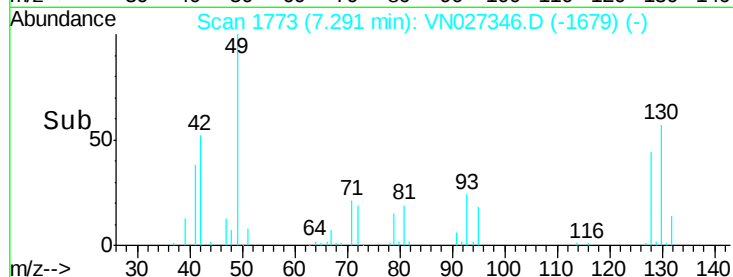
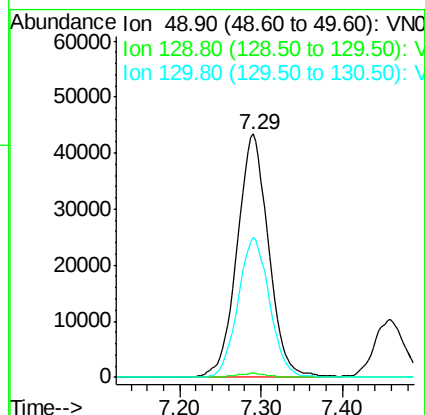
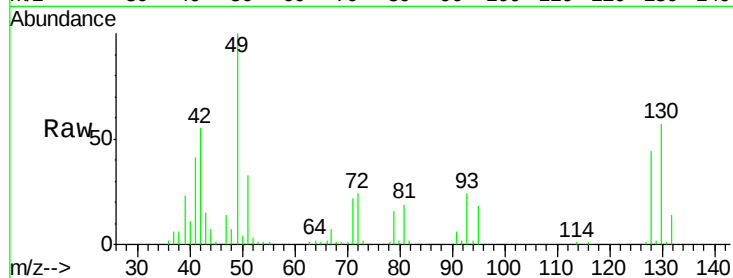
129 1.5 0.0 3.2

130 57.1 43.2 64.8

Manual Integrations
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#30

Tetrahydrofuran

Concen: 103.01 ug/l

RT: 7.32 min Scan# 1782

Delta R.T. 0.01 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

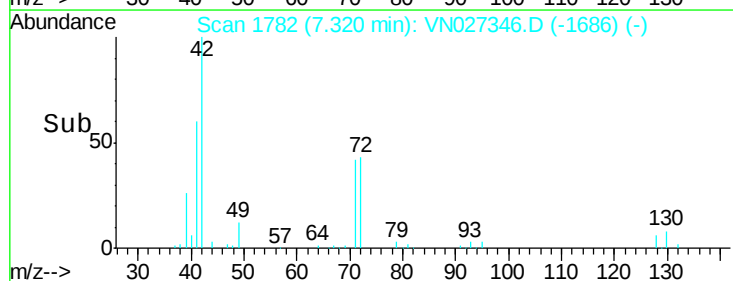
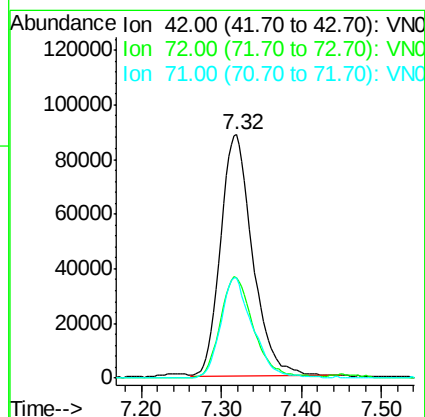
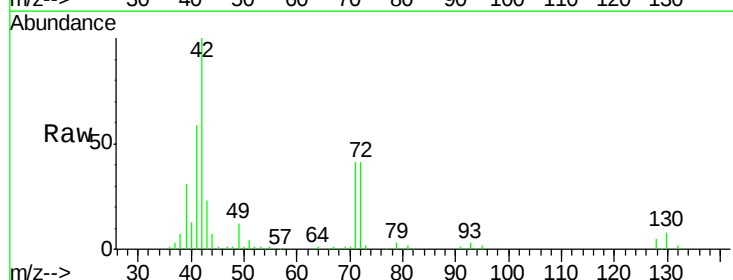
Tgt Ion: 42 Resp: 245478

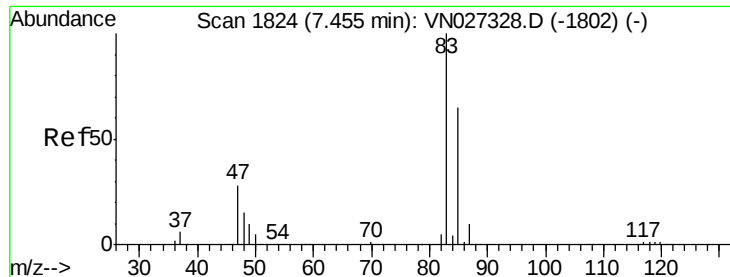
Ion Ratio Lower Upper

42 100

72 43.6 29.9 44.9

71 40.8 28.3 42.5





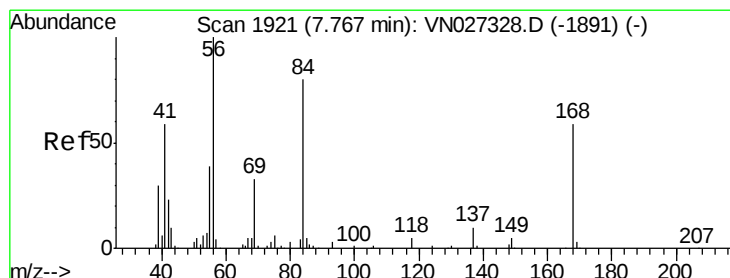
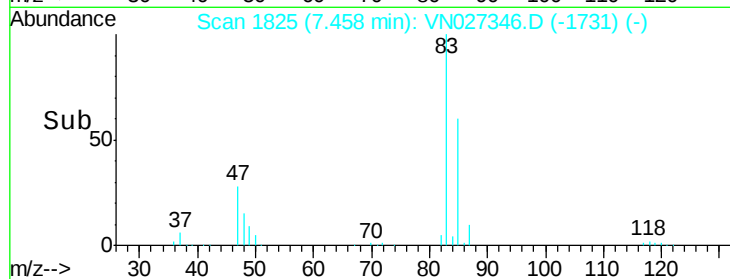
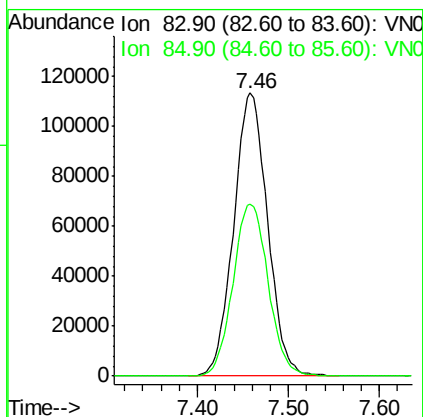
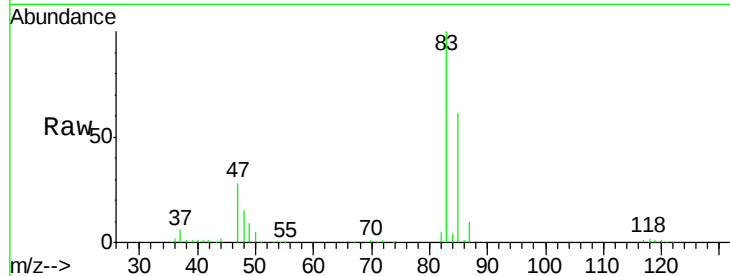
#31
Chloroform
Concen: 20.54 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion	83	Resp	293568
Ion Ratio	100	Lower	Upper
85	60.9	51.1	76.7

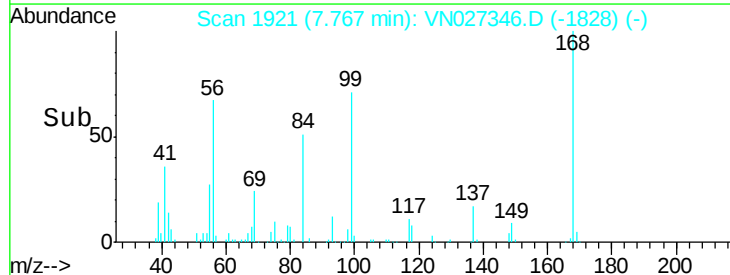
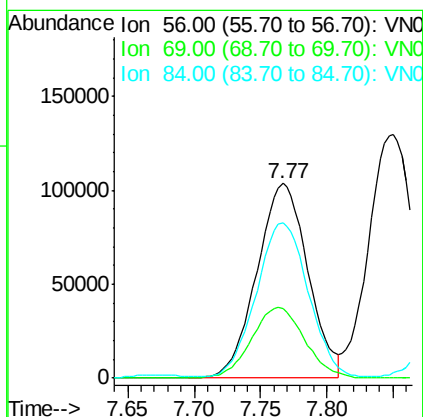
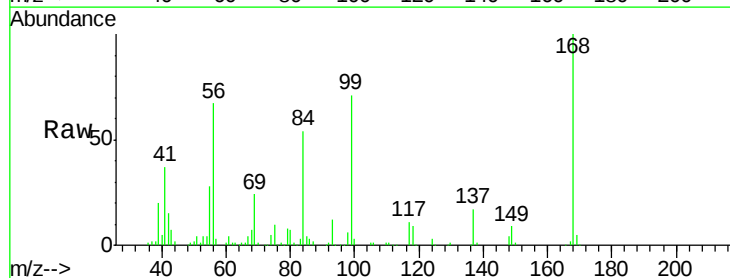
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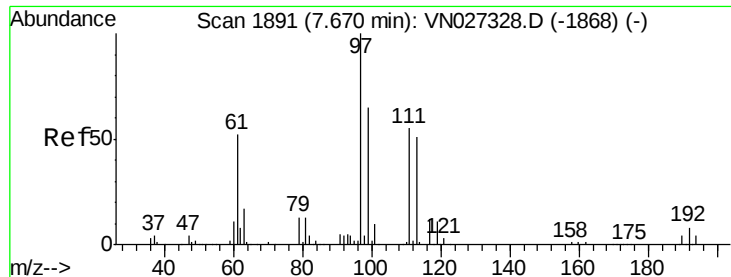
MMDadoda
9/22/2015 2:28:58 PM



#32
Cyclohexane
Concen: 19.63 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	56	Resp	278525
Ion Ratio	100	Lower	Upper
69	35.5	23.0	34.4#
84	79.2	57.8	86.8





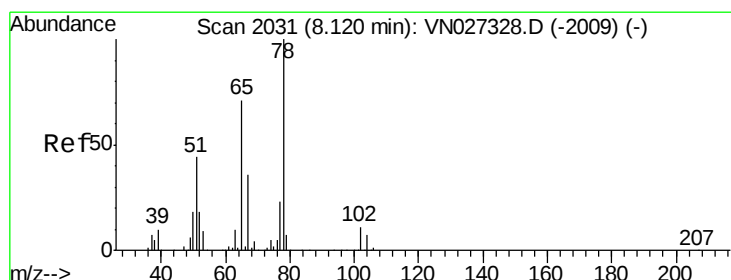
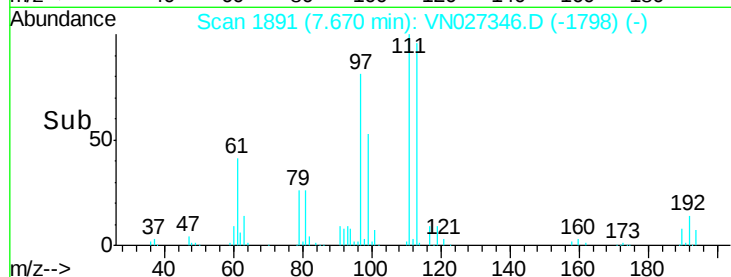
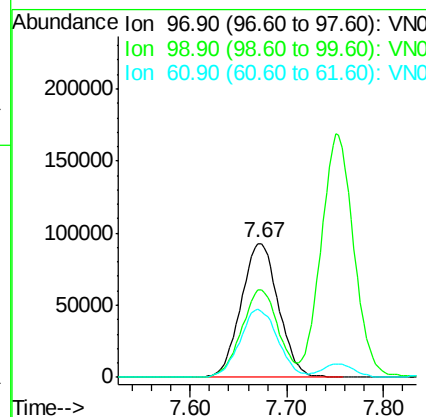
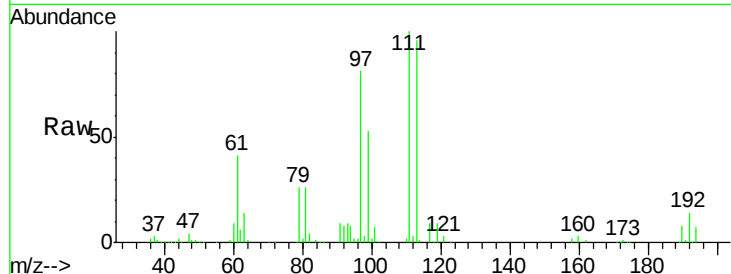
#33
 1,1,1-Trichloroethane
 Concen: 19.69 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	97	Ratio	100	Resp	249399
Ion	97	100		Lower	Upper
	99	64.6		50.1	75.1
	61	51.6		44.0	66.0

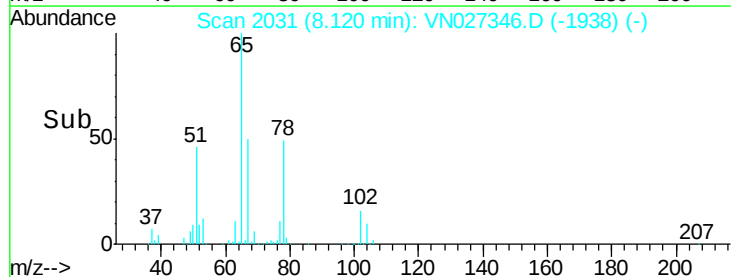
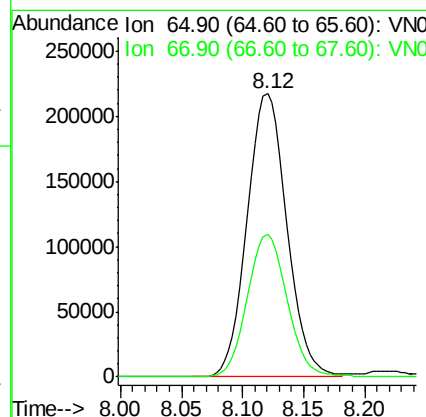
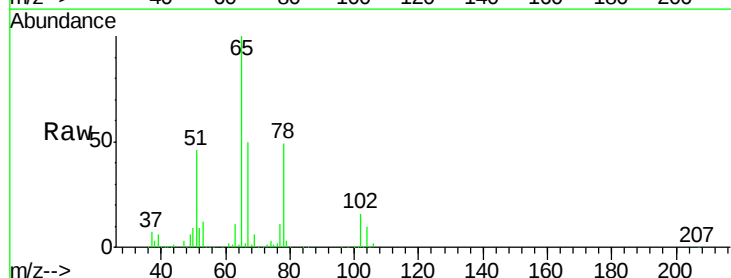
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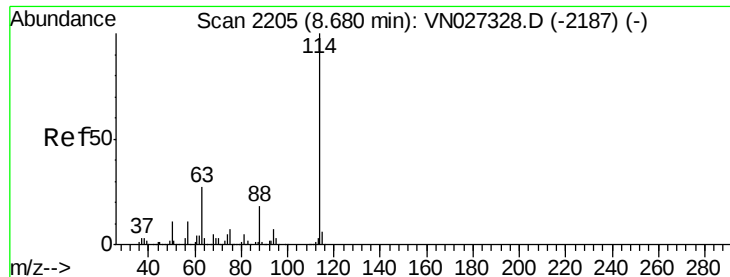
MMDadoda
 9/22/2015 2:28:58 PM



#34
 1,2-Dichloroethane-d4
 Concen: 46.43 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	65	Resp	489915
Ion	65	100	
	67	50.7	0.0 110.6





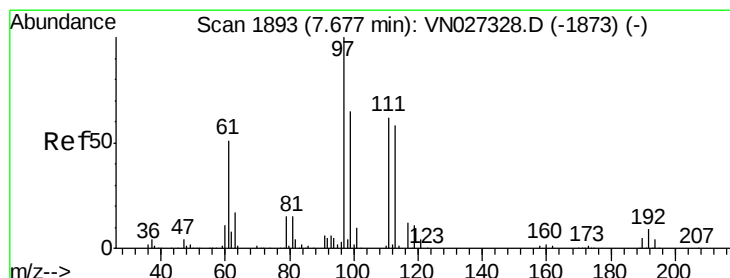
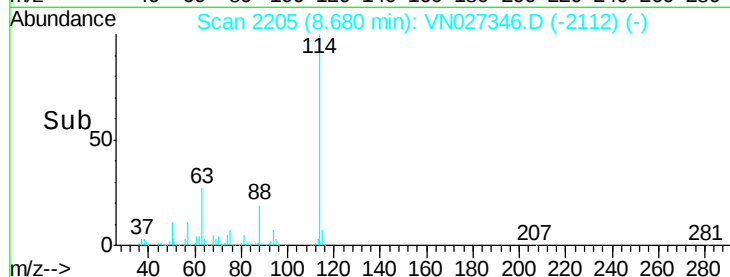
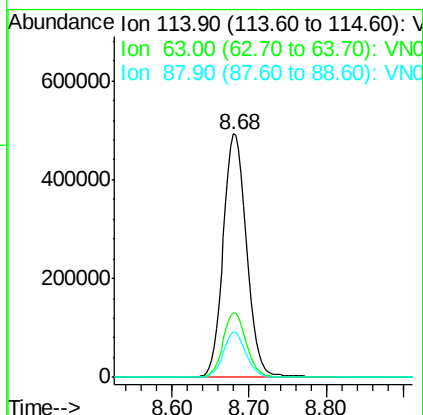
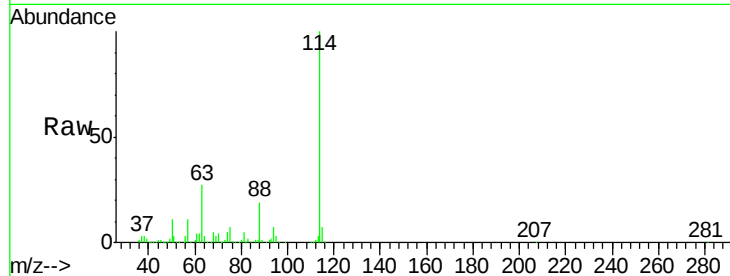
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	0.0	48.8
88	18.6	0.0	32.2

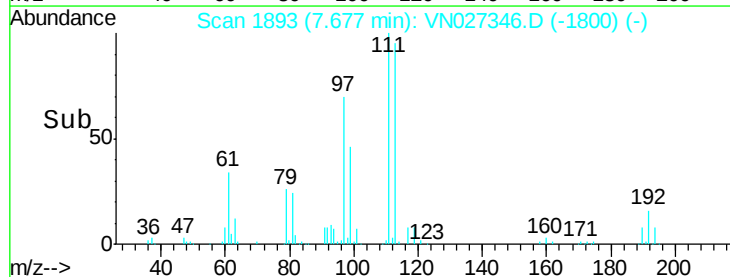
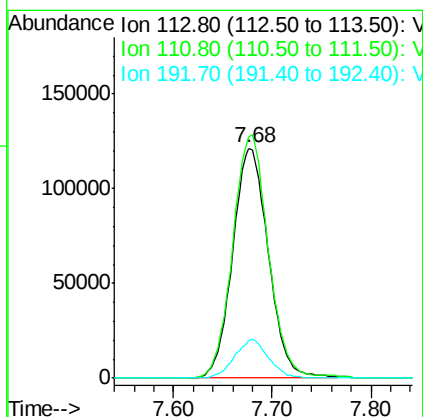
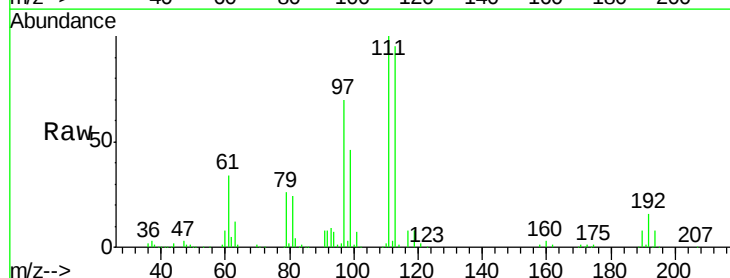
Manual Integrations
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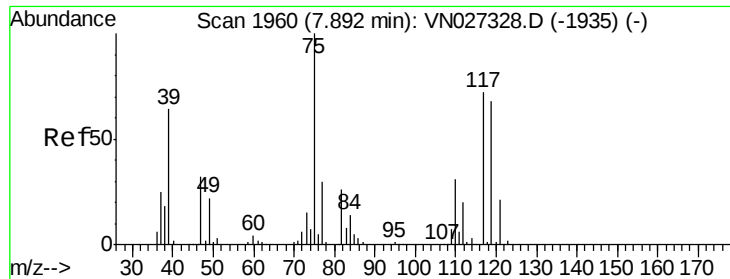
MMDadoda
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#36
 Dibromofluoromethane
 Concen: 45.23 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.3	83.0	124.4
192	15.8	14.1	21.1





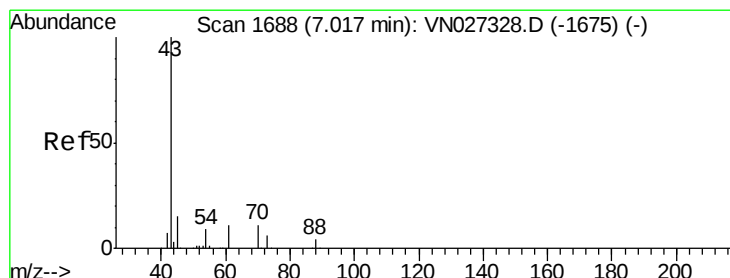
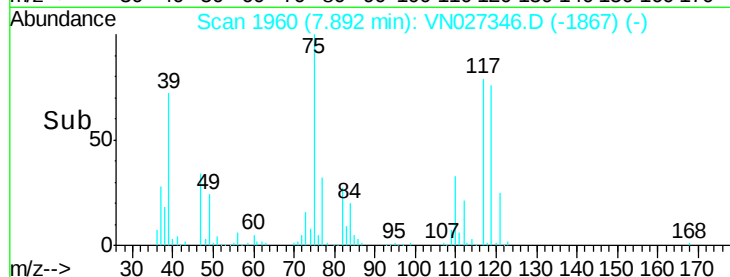
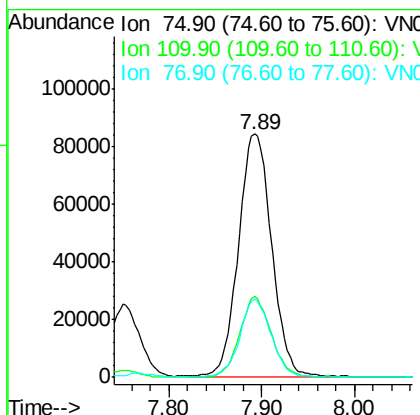
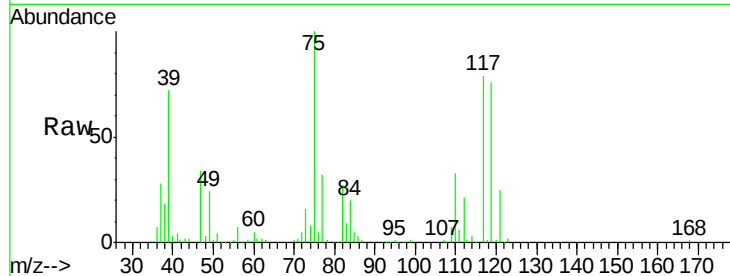
#37
 1,1-Dichloropropene
 Concen: 18.71 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampled :
 VN0921WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
110	31.7	15.9	47.7
77	30.9	24.9	37.3

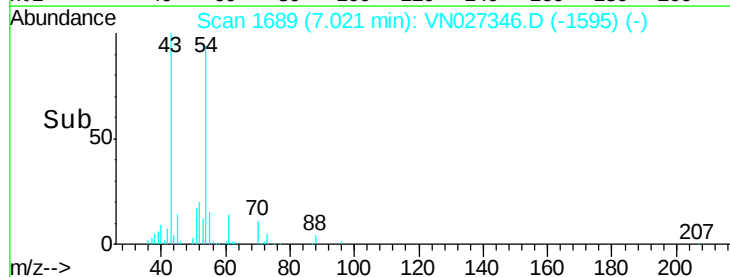
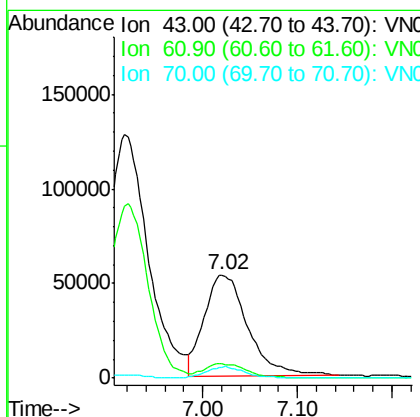
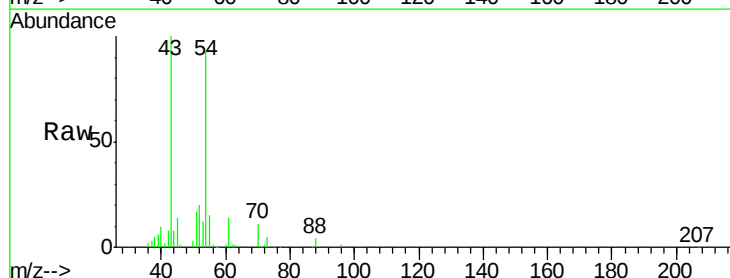
Manual Integrations
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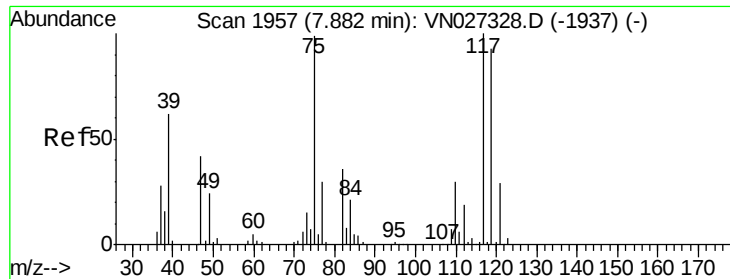
MMDadoda
 9/22/2015 2:28:58 PM



#38
 Ethyl Acetate
 Concen: 19.80 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.2	15.4
70	10.3	7.4	11.0





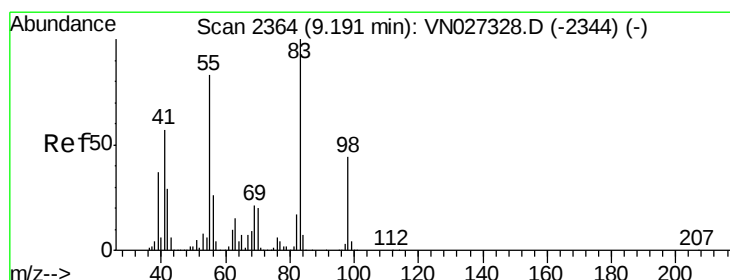
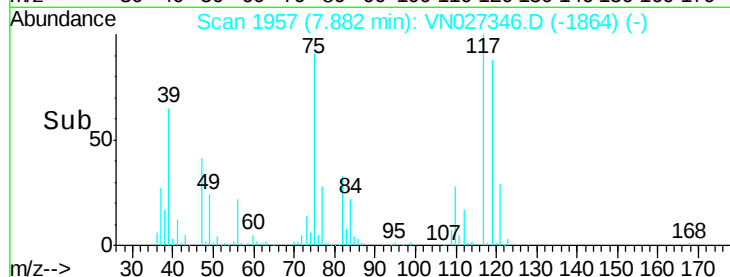
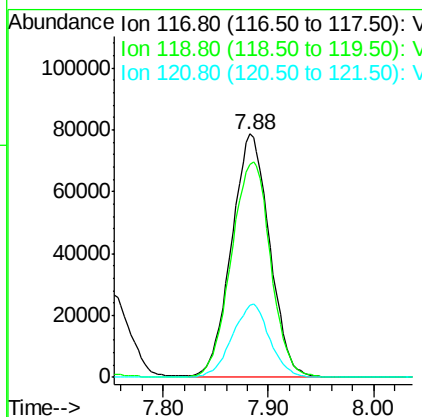
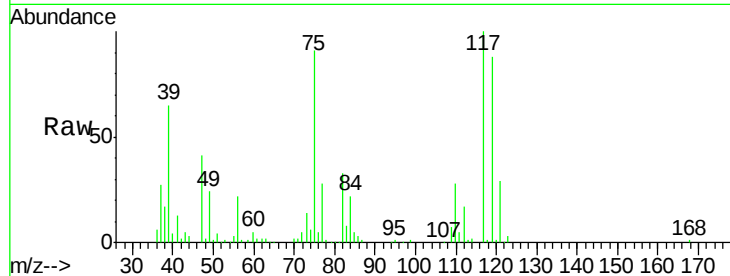
#39
Carbon Tetrachloride
Concen: 18.82 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampled :
VN0921WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
119	87.4	75.3	112.9
121	29.4	23.8	35.8

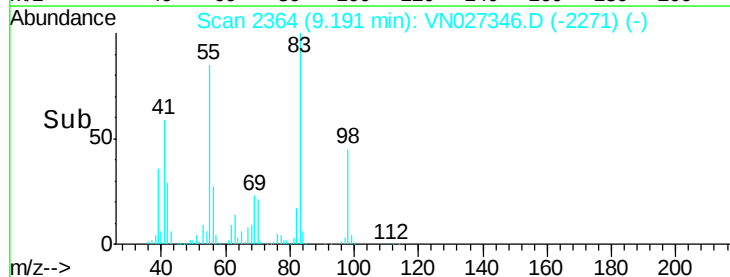
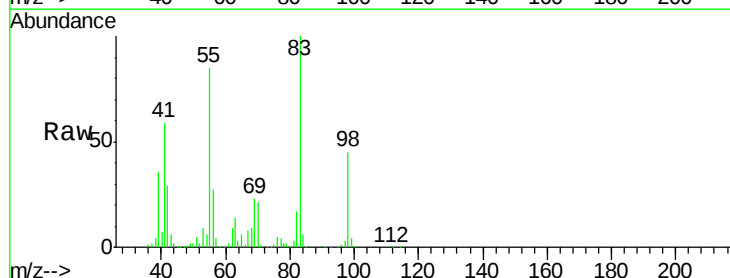
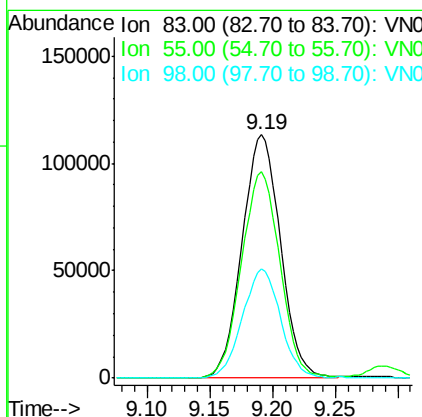
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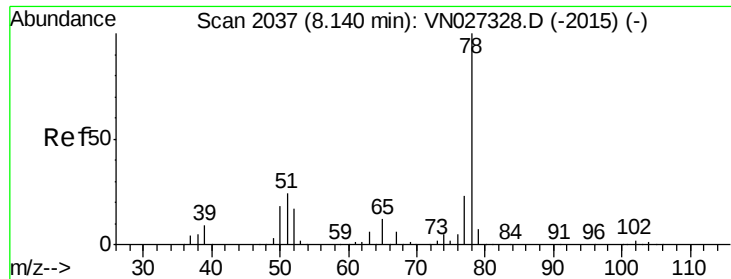
MMDadoda
9/22/2015 2:28:58 PM



#40
Methylcyclohexane
Concen: 18.26 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.6	69.8	104.8
98	44.6	34.3	51.5





#41

Benzene

Concen: 19.33 ug/l

RT: 8.14 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion: 78 Resp: 625513

Ion Ratio Lower Upper

78 100

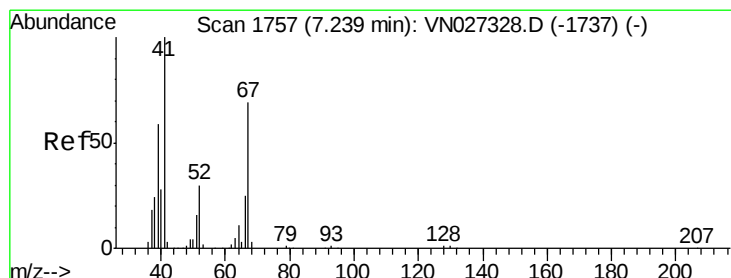
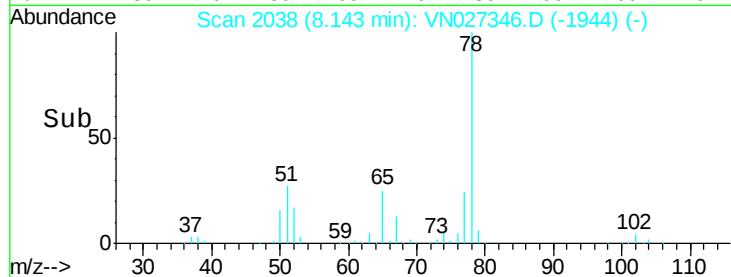
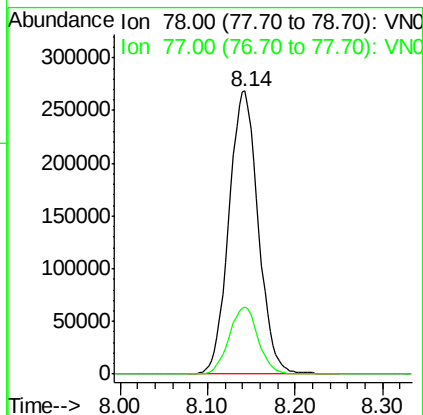
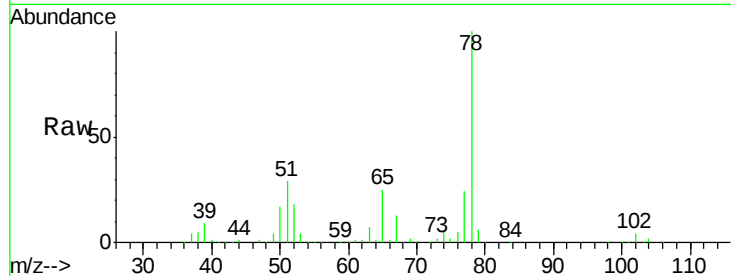
77 23.7 19.0 28.4

Manual Integrations

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MMDadoda

9/22/2015 2:28:58 PM



#42

Methacrylonitrile

Concen: 18.81 ug/l

RT: 7.25 min Scan# 1759

Delta R.T. 0.01 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Tgt Ion: 41 Resp: 95613

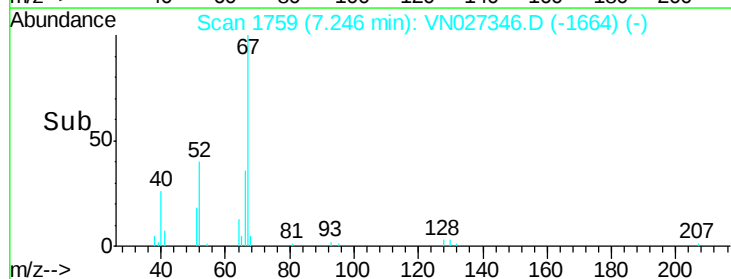
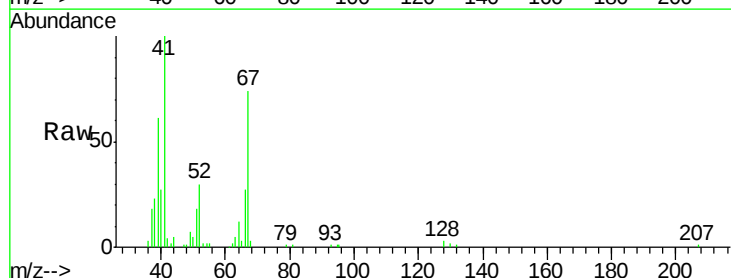
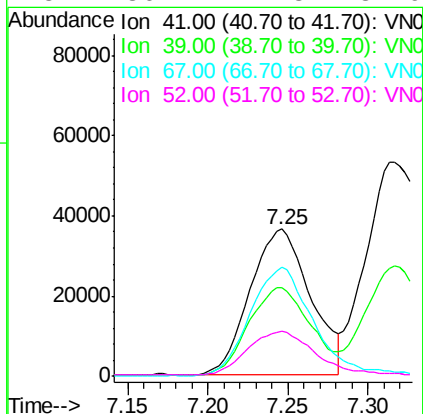
Ion Ratio Lower Upper

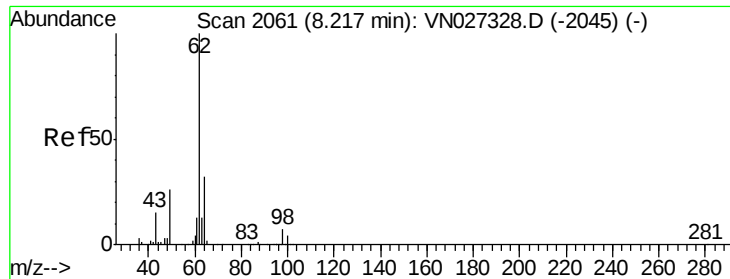
41 100

39 61.4 43.0 64.6

67 77.9 52.2 78.2

52 36.1 21.3 31.9#





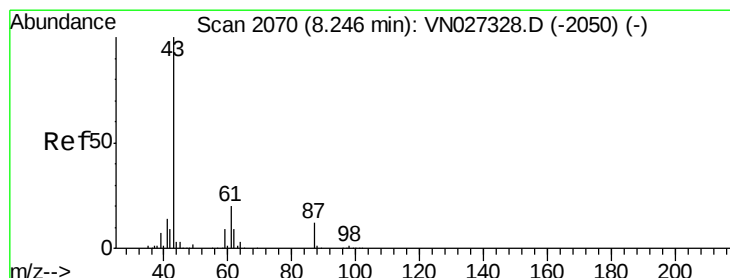
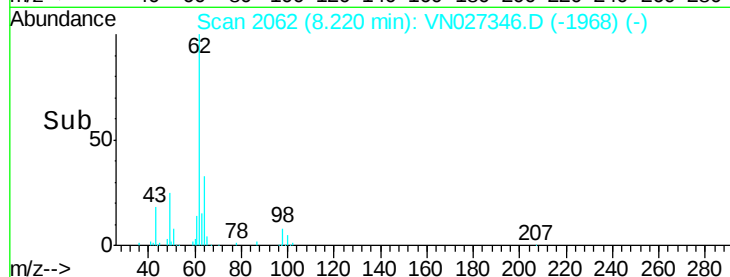
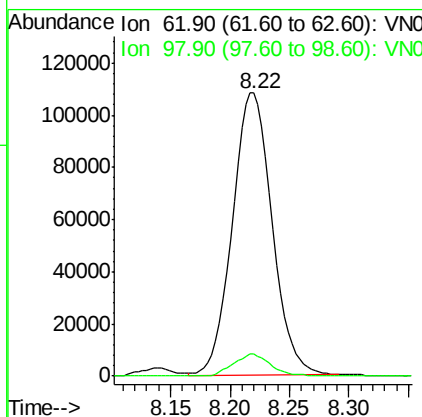
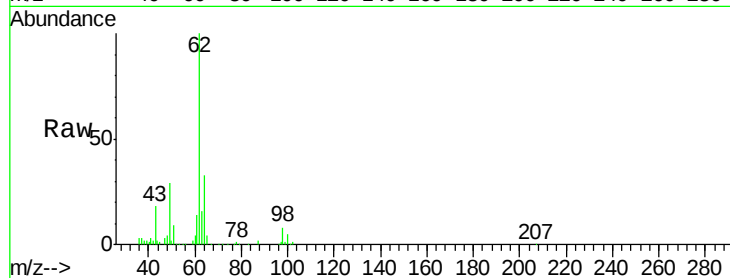
#43
 1,2-Dichloroethane
 Concen: 18.95 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	Ratio	Resp	Lower	Upper
62	100	249944		
98	7.4	0.0	18.0	

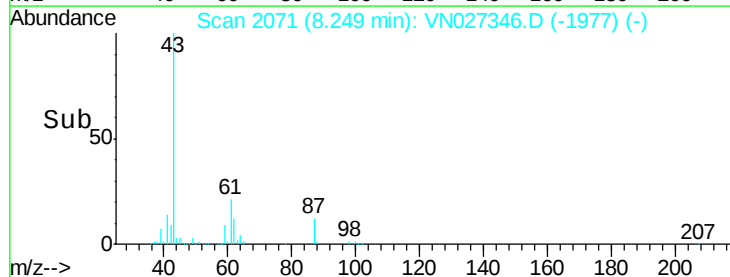
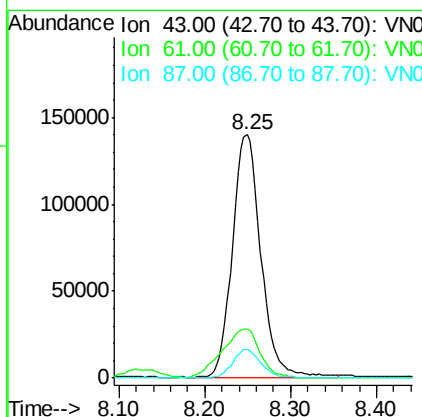
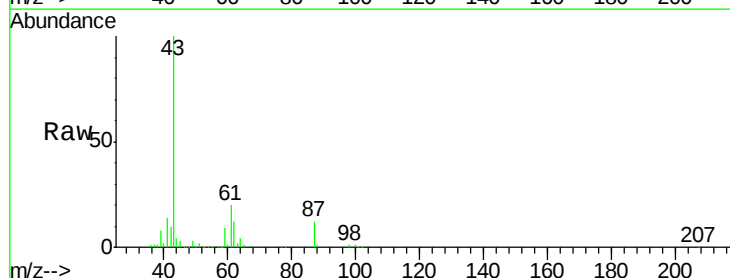
Manual Integrations
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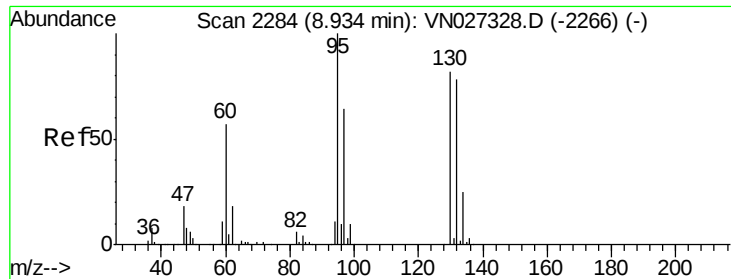
MMDadoda
 9/22/2015 2:28:58 PM



#44
 Isopropyl Acetate
 Concen: 19.49 ug/l
 RT: 8.25 min Scan# 2071
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	320631		
61	26.5	20.6	31.0	
87	11.9	8.6	13.0	





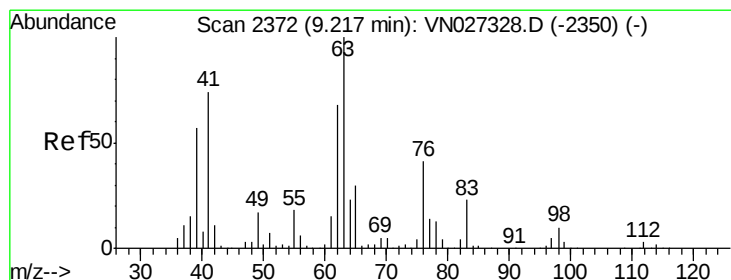
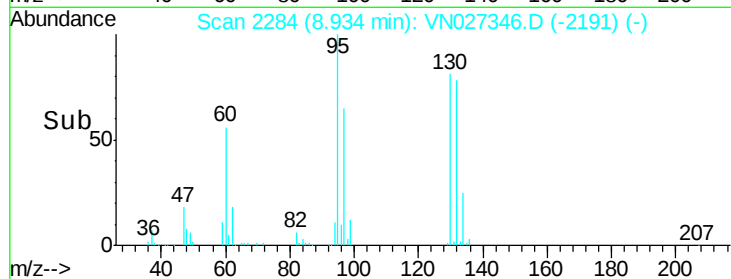
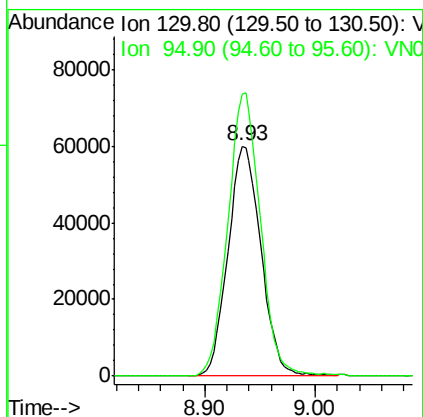
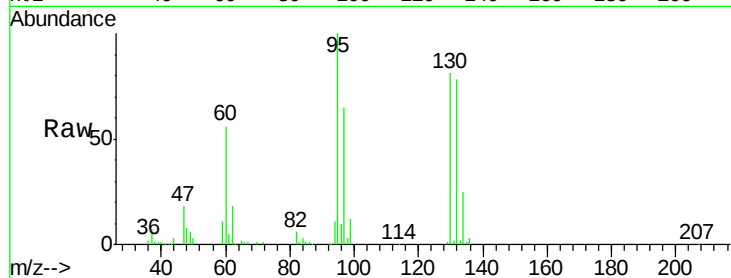
#45
 Trichloroethene
 Concen: 19.22 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	Ratio	Resp	Lower	Upper
130	100	124607		
95	122.8	0.0	222.2	

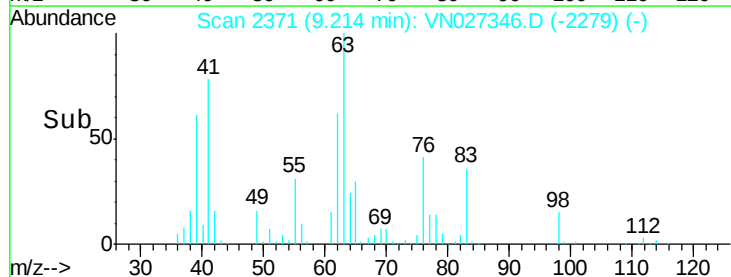
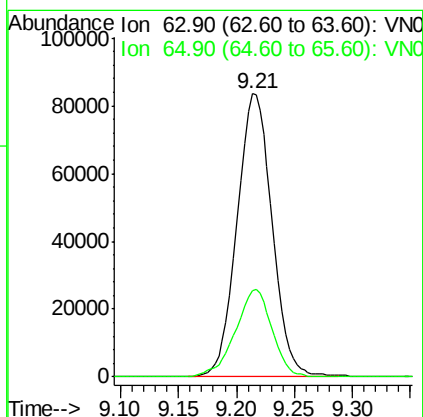
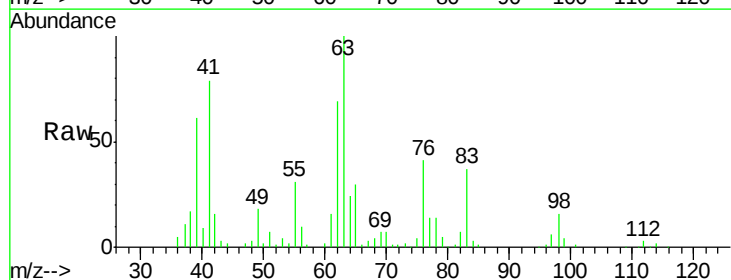
Manual Integrations
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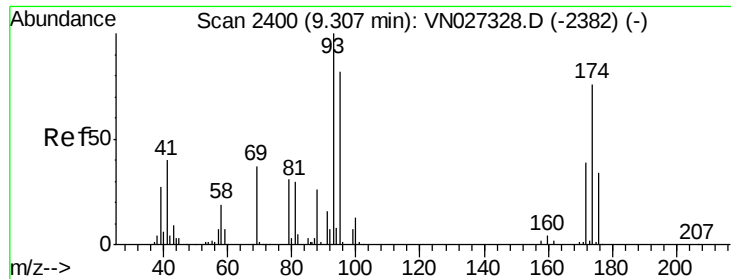
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#46
 1,2-Dichloropropane
 Concen: 19.43 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	175999		
65	30.3	24.4	36.6	





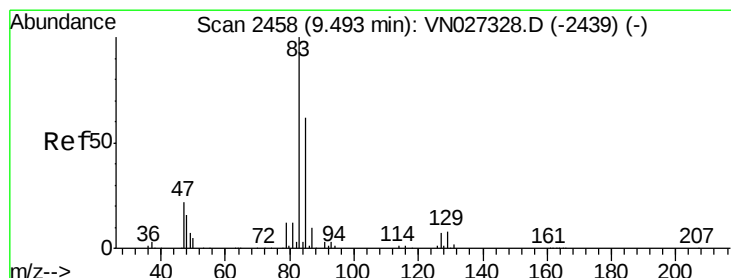
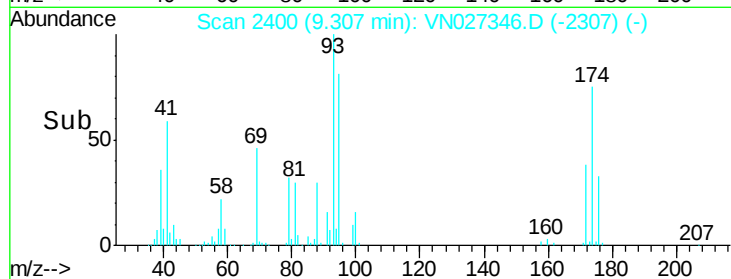
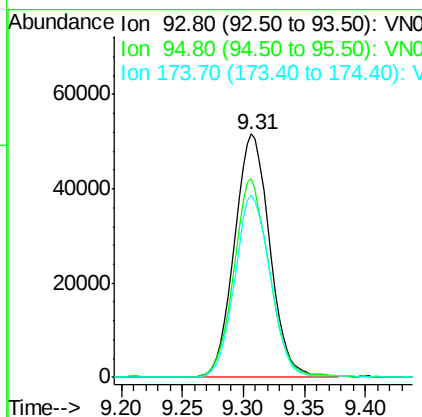
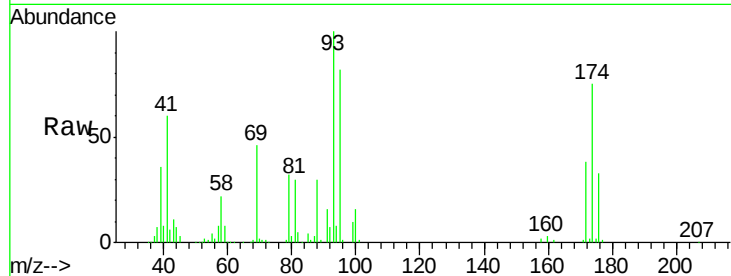
#47
 Dibromomethane
 Concen: 19.09 ug/l
 RT: 9.31 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	93	Resp	103773
Ion Ratio	Lower	Upper	
93	100		
95	81.6	66.3	99.5
174	75.2	67.8	101.6

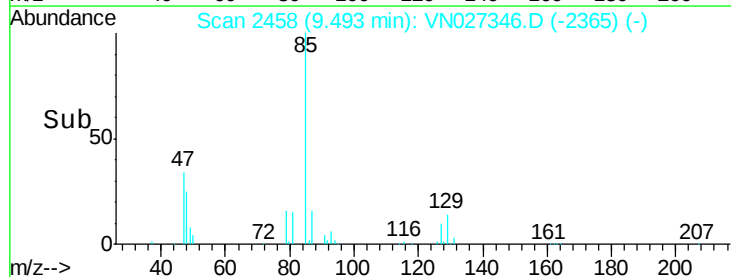
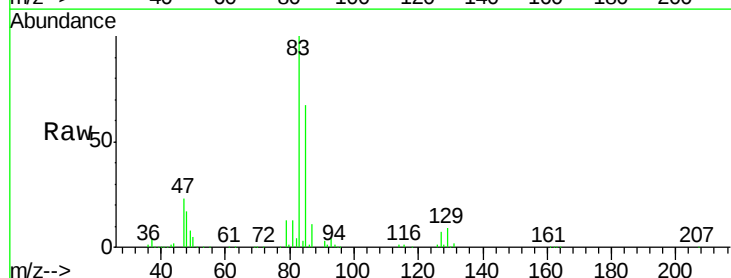
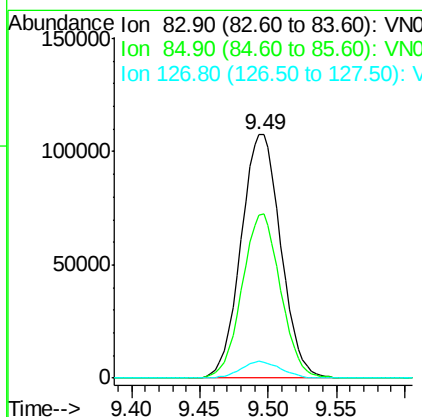
Manual Integrations
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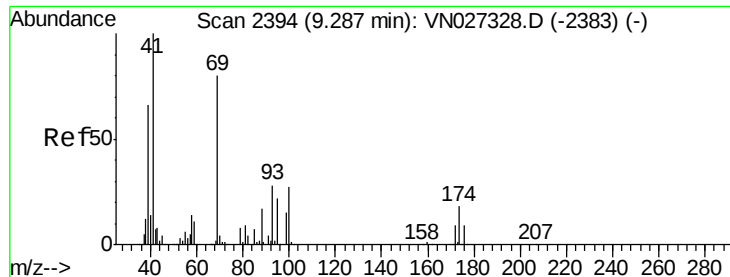
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#48
 Bromodichloromethane
 Concen: 18.85 ug/l
 RT: 9.49 min Scan# 2458
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	83	Resp	217304
Ion Ratio	Lower	Upper	
83	100		
85	67.1	50.7	76.1
127	6.9	5.5	8.3





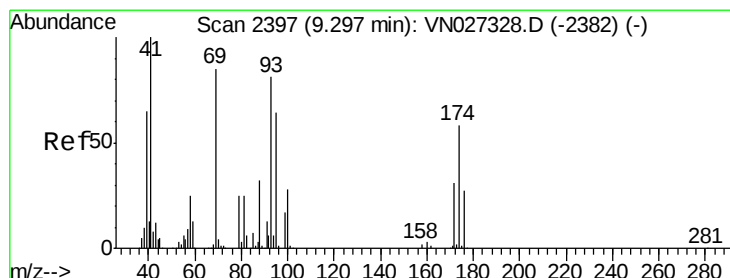
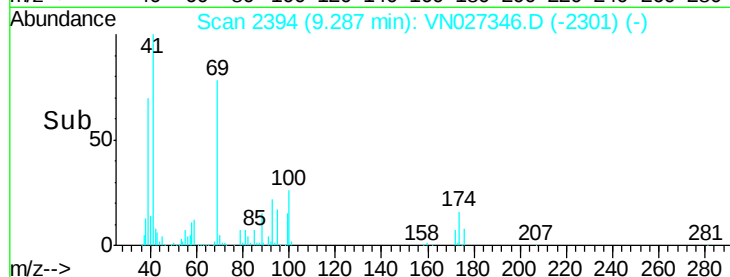
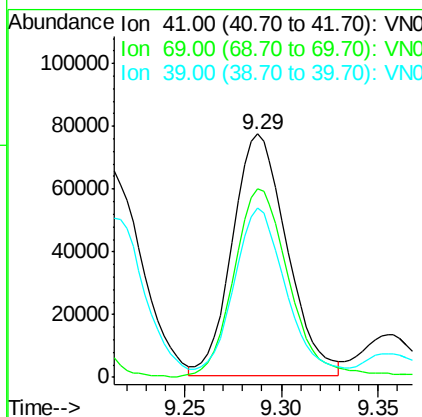
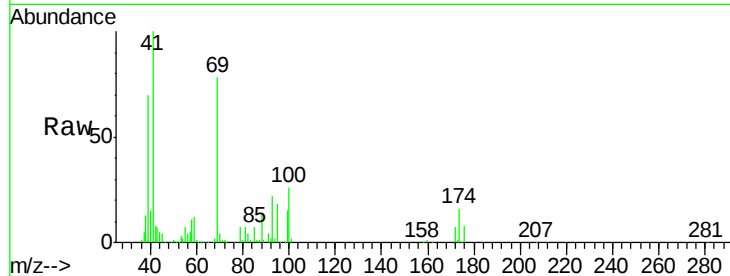
#49
Methvl methacrylate
Concen: 19.58 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampled :
VN0921WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
69	79.0	59.3	88.9
39	66.4	39.5	59.3#

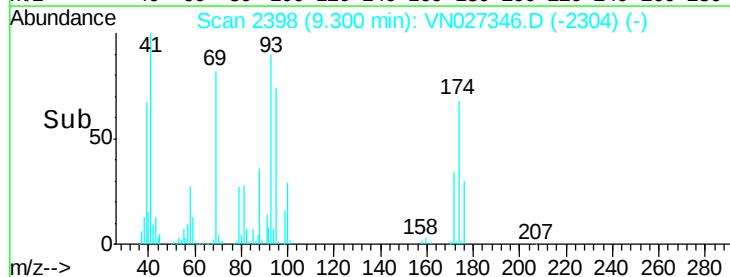
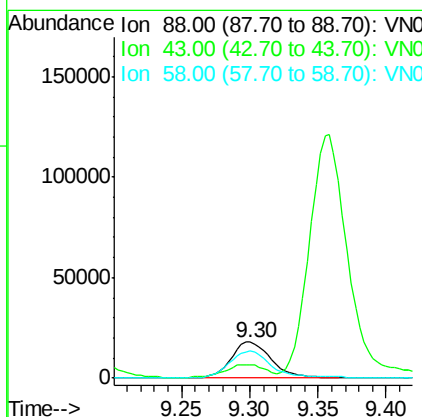
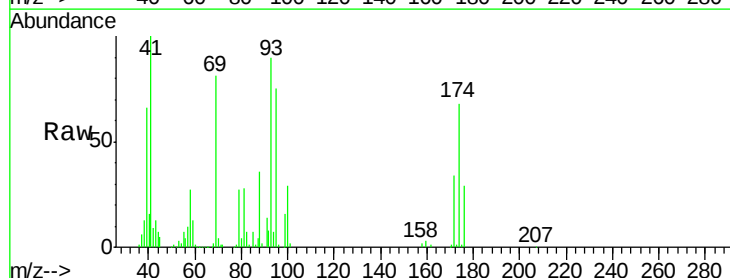
Manual Integrations
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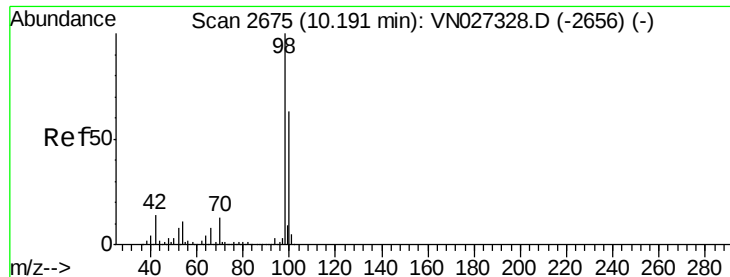
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#50
1,4-Dioxane
Concen: 396.14 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.1	27.6	41.4
58	76.2	63.1	94.7





#51

Toluene-d8

Concen: 44.78 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion: 98 Resp: 1168521

Ion Ratio Lower Upper

98 100

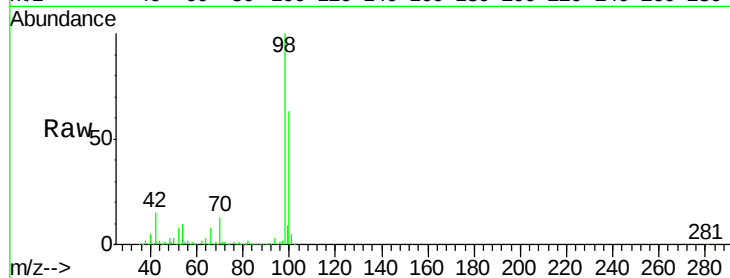
100 62.6 50.5 75.7

Manual Integrations

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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.19

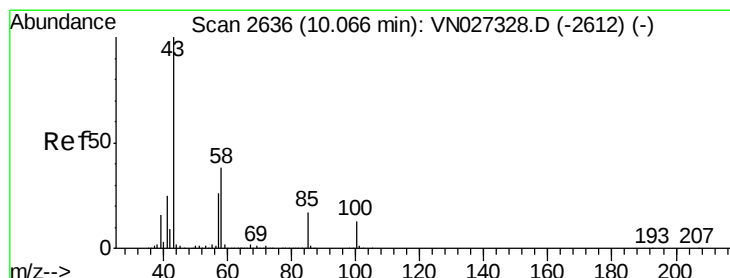
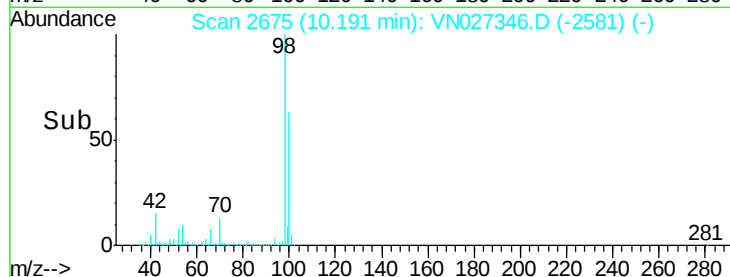
600000

400000

200000

0

Time-->



#52

4-Methyl-2-Pentanone

Concen: 99.68 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027346.D

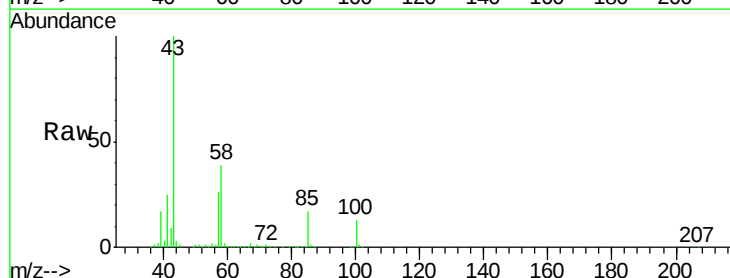
Acq: 21 Sep 2015 23:17

Tgt Ion: 43 Resp: 843597

Ion Ratio Lower Upper

43 100

58 37.8 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.07

500000

400000

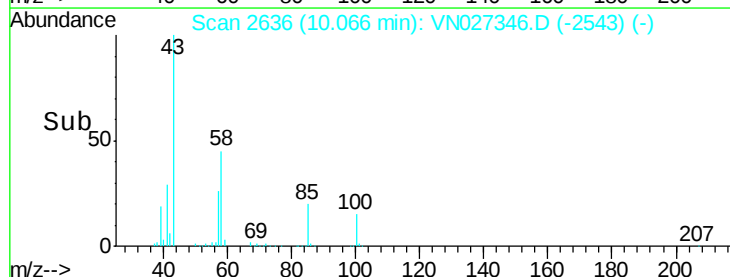
300000

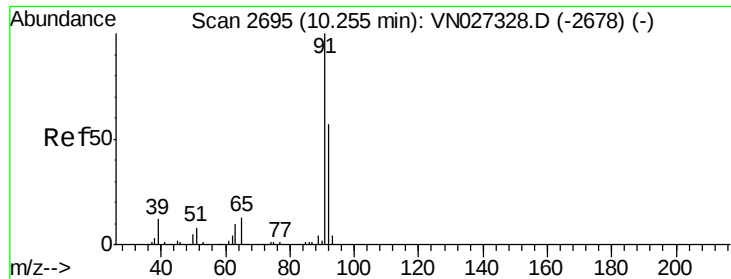
200000

100000

0

Time-->





#53

Toluene

Concen: 19.06 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion: 92 Resp: 364899

Ion Ratio Lower Upper

92 100

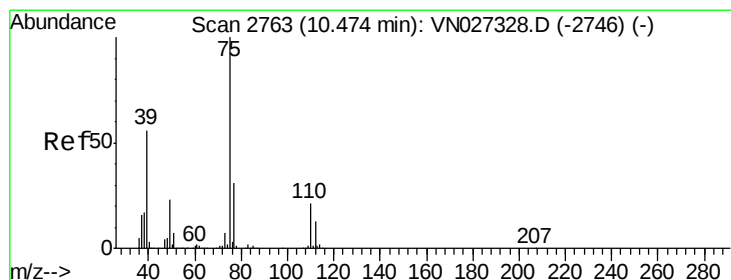
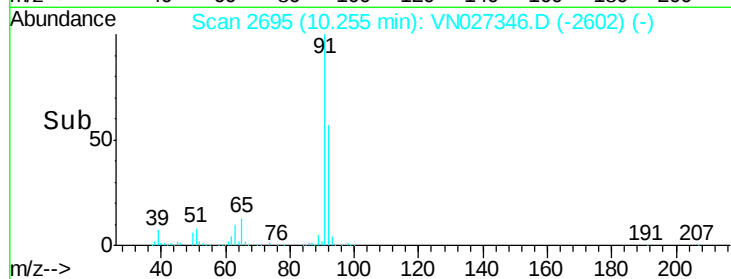
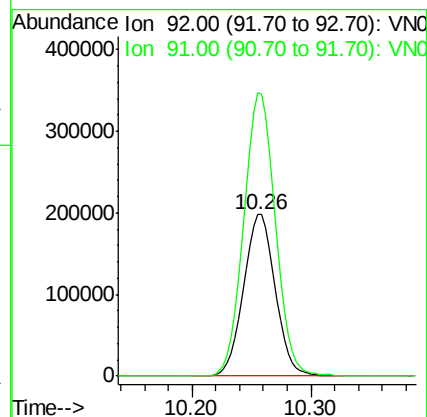
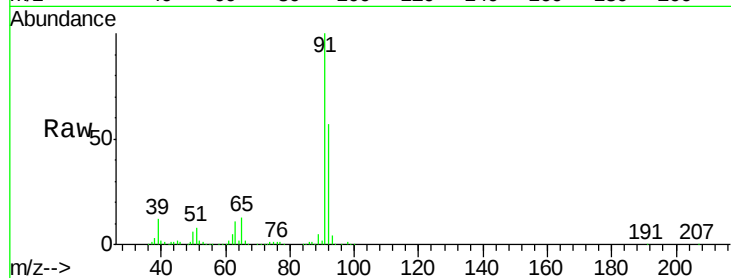
91 175.5 141.4 212.2

Manual Integrations

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#54

t-1,3-Dichloropropene

Concen: 17.98 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027346.D

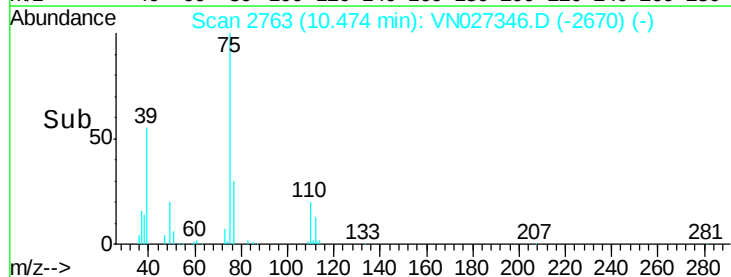
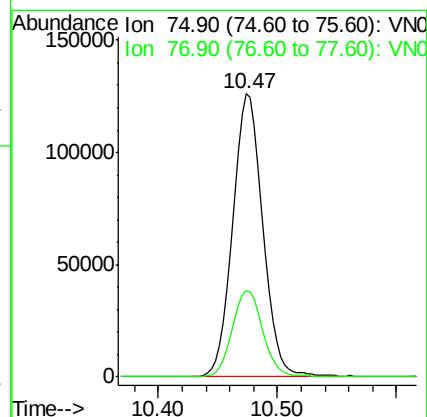
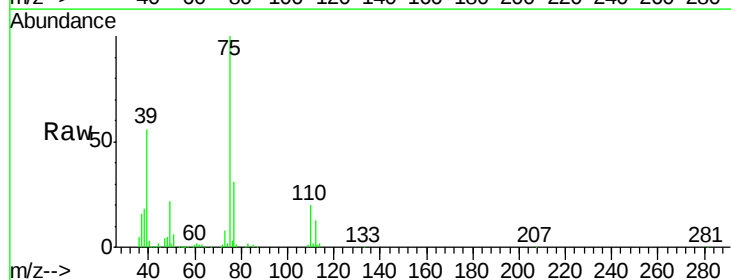
Acq: 21 Sep 2015 23:17

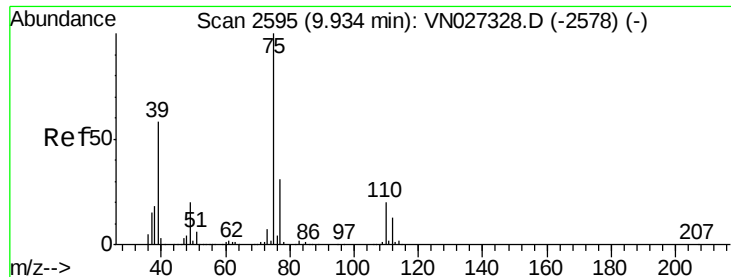
Tgt Ion: 75 Resp: 221312

Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 18.42 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

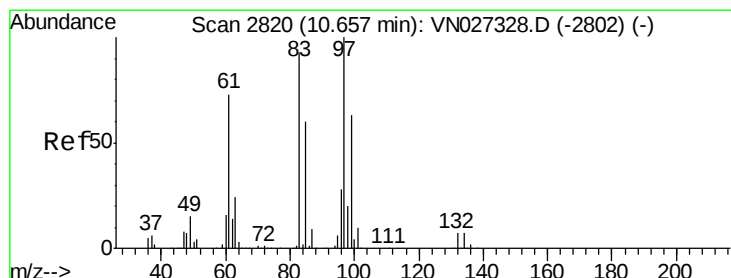
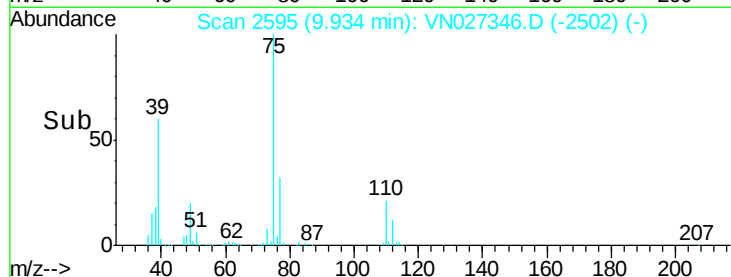
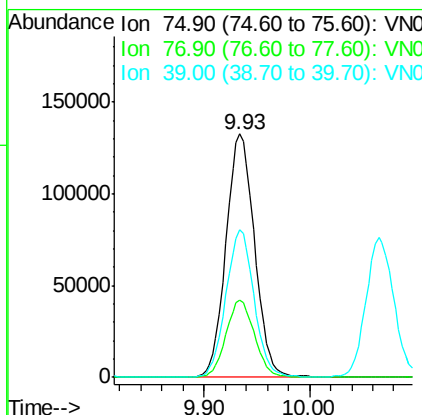
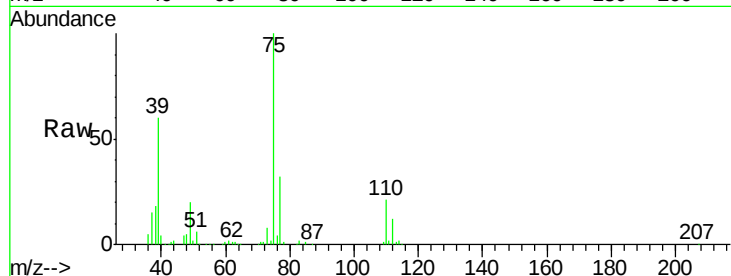
ClientSampleId :

VN0921WBS02

Tot Ion:	75	Resp:	248964
Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.6	38.4
39	60.3	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 19.61 ug/l

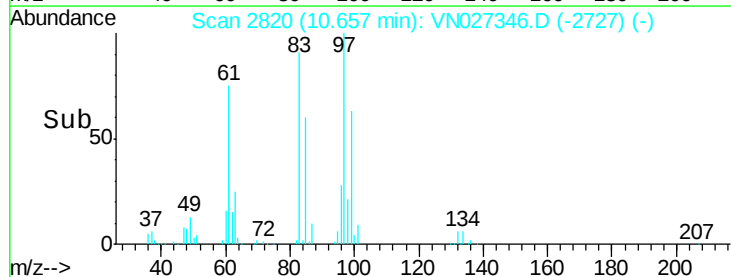
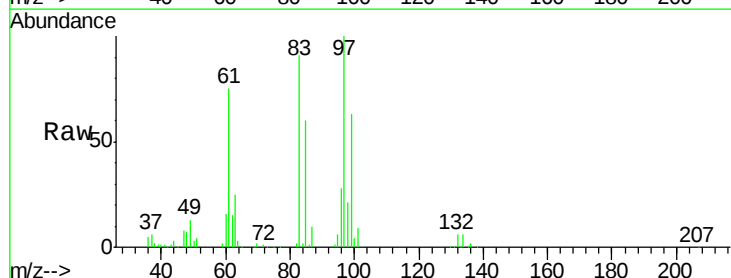
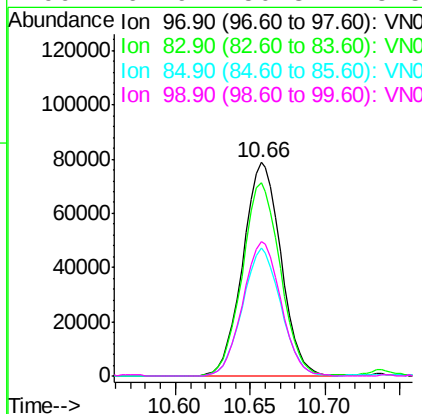
RT: 10.66 min Scan# 2820

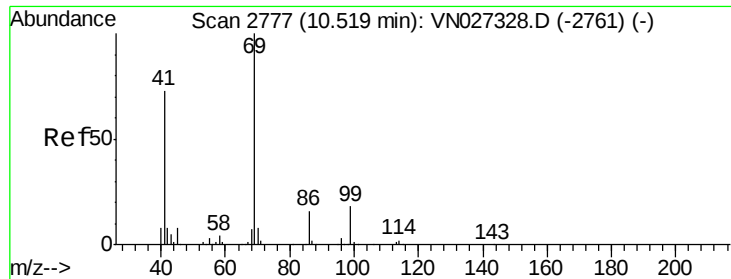
Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Tgt Ion:	97	Resp:	140016
Ion	Ratio	Lower	Upper
97	100		
83	90.7	75.0	112.4
85	60.0	48.0	72.0
99	62.9	50.3	75.5





#57

Ethyl methacrylate

Concen: 19.18 ug/l

RT: 10.52 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

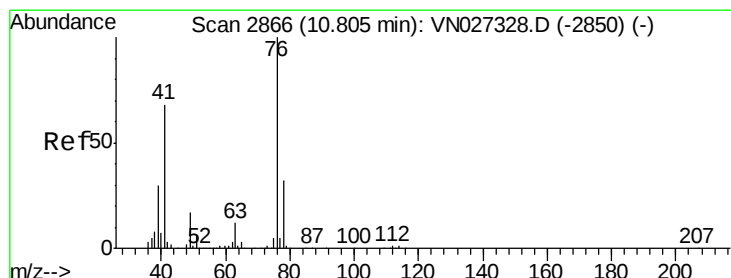
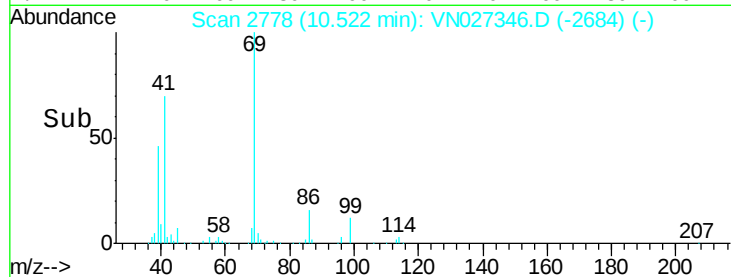
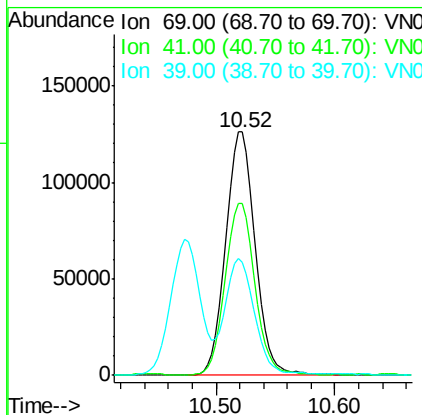
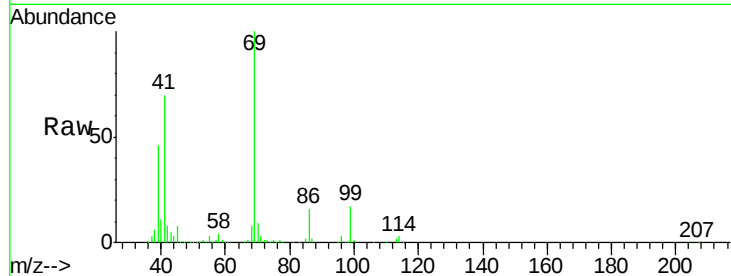
ClientSampleId :

VN0921WBS02

Tot Ion	Ratio	Lower	Upper
69	100		
41	70.7	61.3	91.9
39	46.1	28.4	42.6

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#58

1,3-Dichloropropane

Concen: 19.58 ug/l

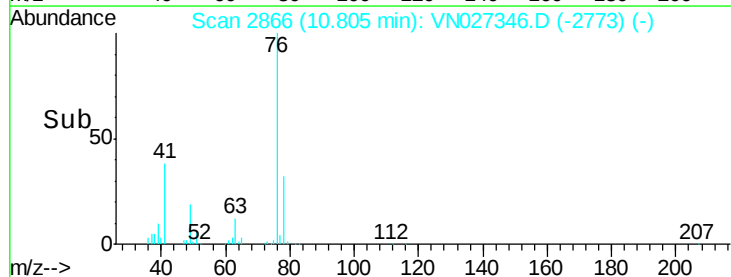
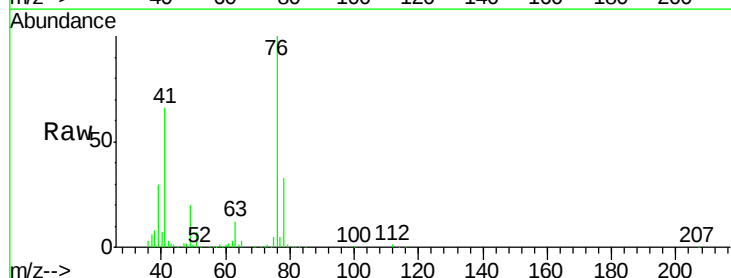
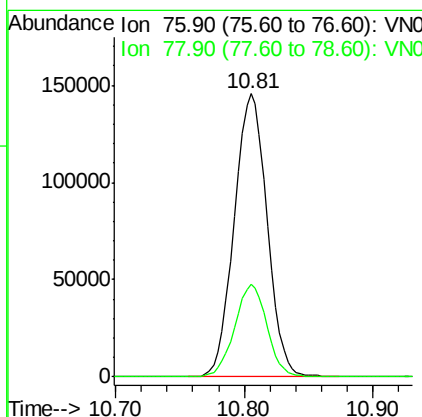
RT: 10.81 min Scan# 2866

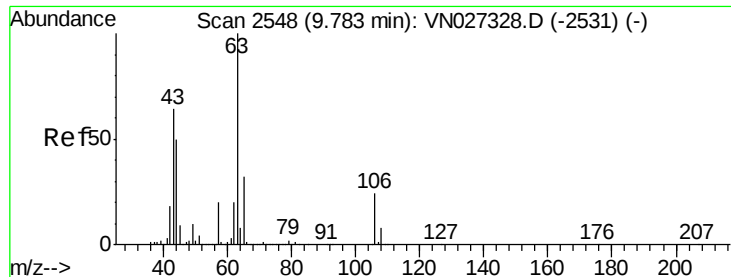
Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.0	37.6





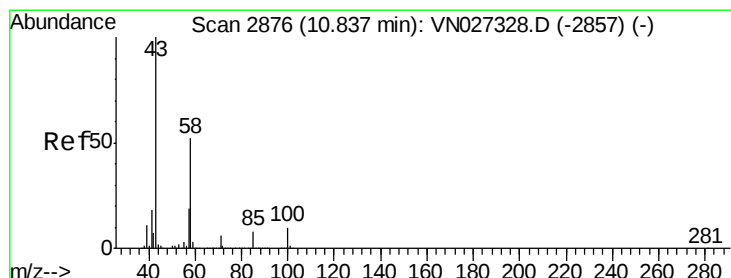
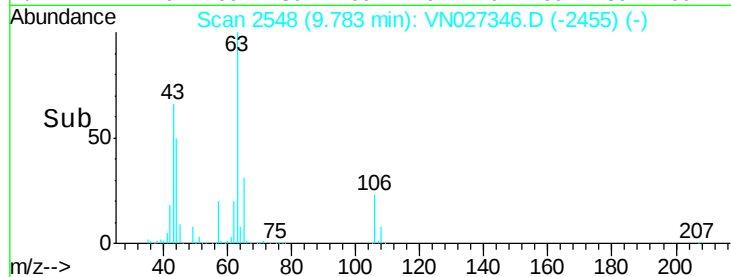
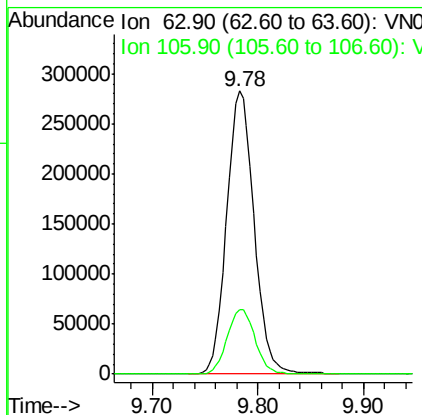
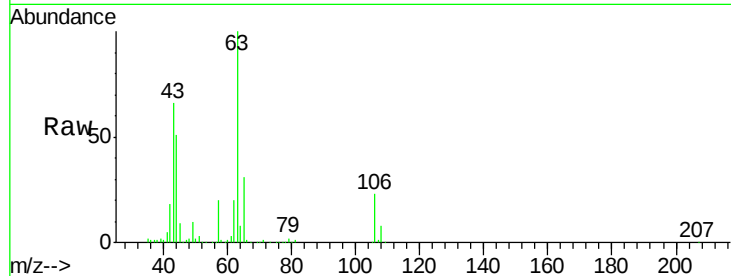
#59
 2-Chloroethyl Vinyl ether
 Concen: 101.68 ug/l
 RT: 9.78 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion: 63 Resp: 510512
 Ion Ratio Lower Upper
 63 100
 106 23.4 17.7 26.5

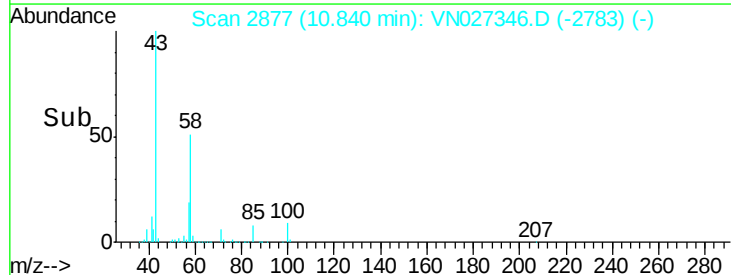
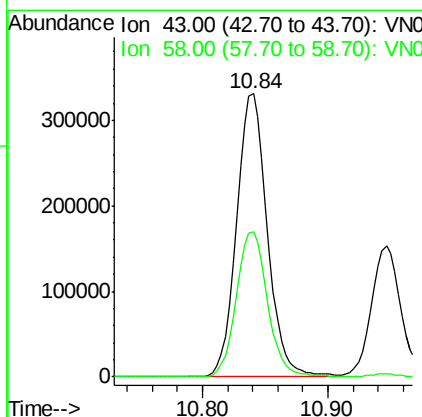
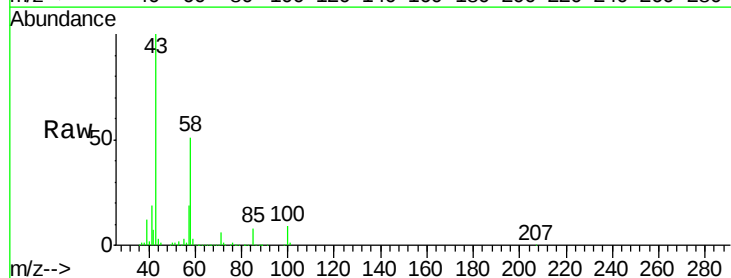
Manual Integrations
 APPROVED

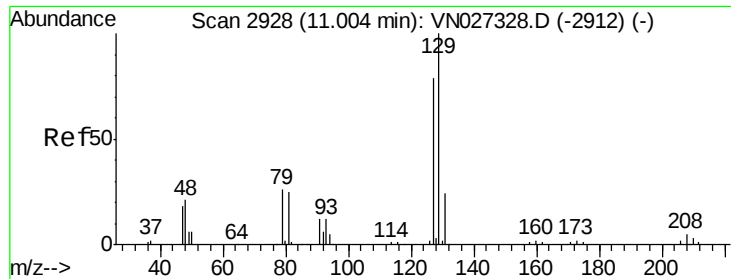
MMDadoda
 9/22/2015 2:28:58 PM



#60
 2-Hexanone
 Concen: 97.60 ug/l
 RT: 10.84 min Scan# 2877
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion: 43 Resp: 561367
 Ion Ratio Lower Upper
 43 100
 58 52.3 26.2 78.5





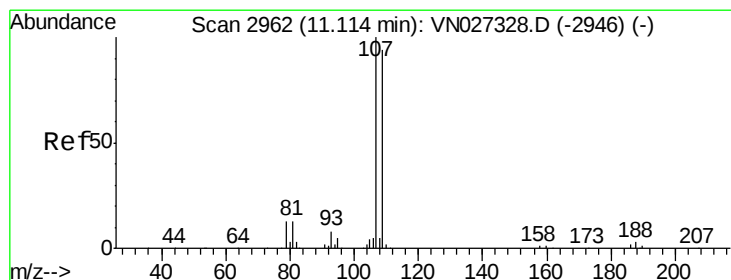
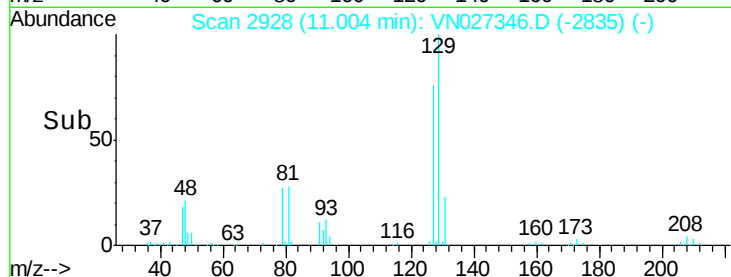
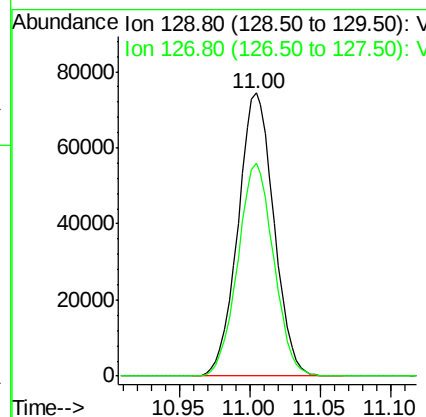
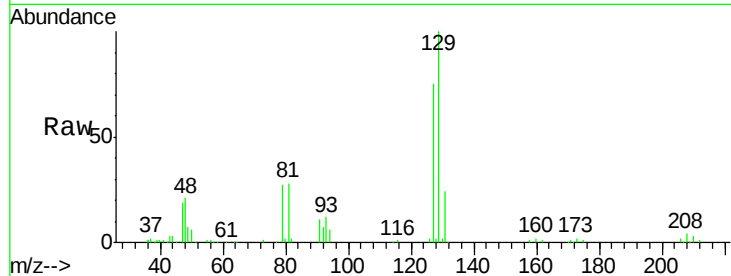
#61
 Dibromochloromethane
 Concen: 18.95 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	Ratio	Lower	Upper
129	100		
127	75.3	39.1	117.2

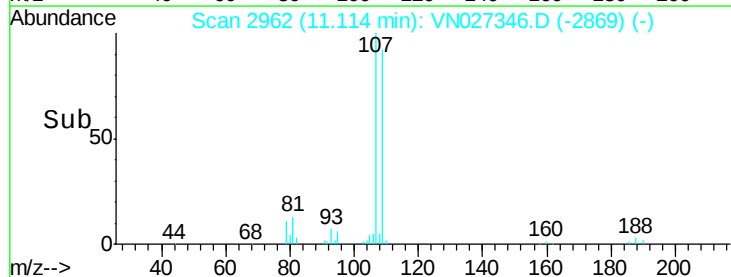
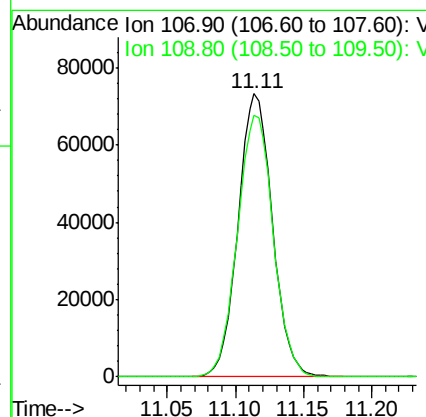
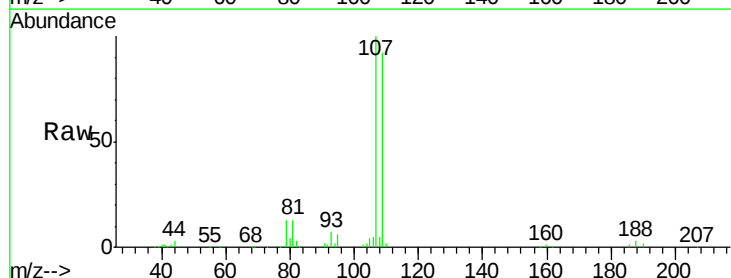
Manual Integrations
 APPROVED

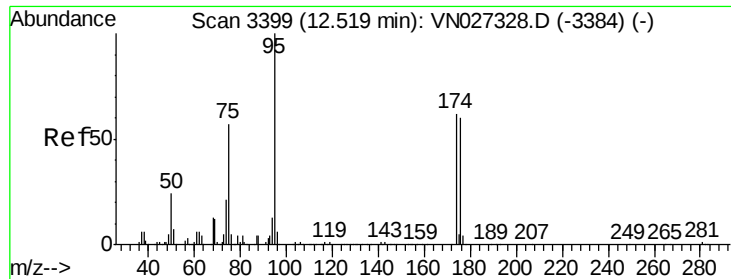
MMDadoda
 9/22/2015 2:28:58 PM



#62
 1,2-Dibromoethane
 Concen: 18.87 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.4	75.6	113.4





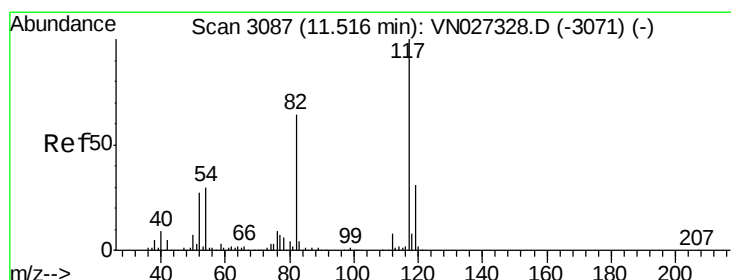
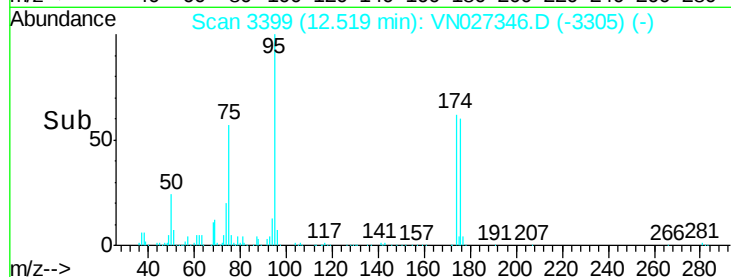
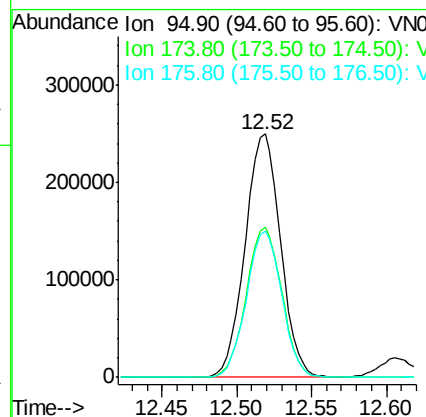
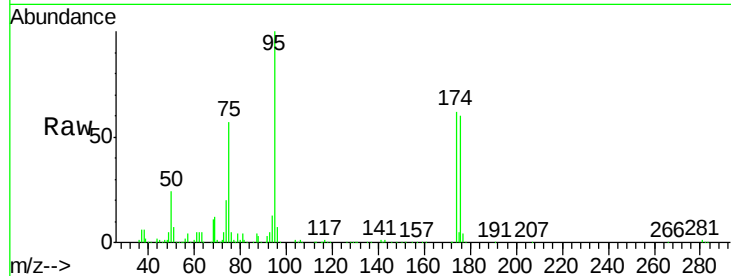
#63
4-Bromofluorobenzene
Concen: 43.45 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion	Ratio	Resp	Lower	Upper
95	100	411962		
174	61.8	0.0	137.0	
176	60.0	0.0	130.8	

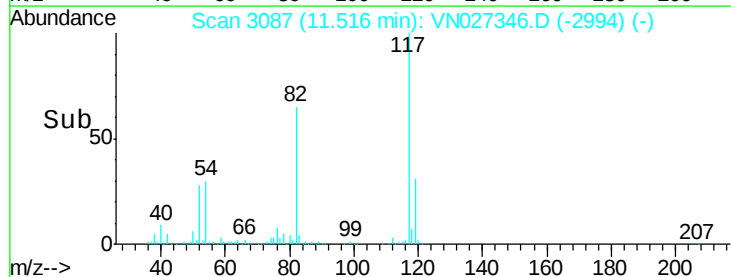
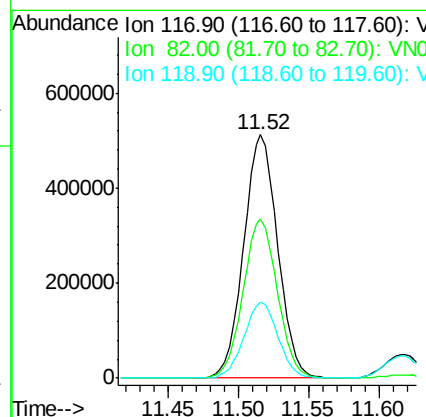
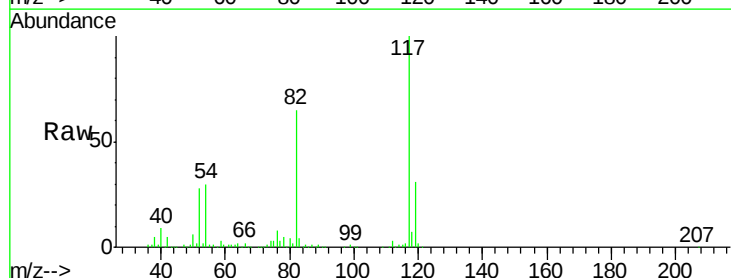
Manual Integrations
APPROVED

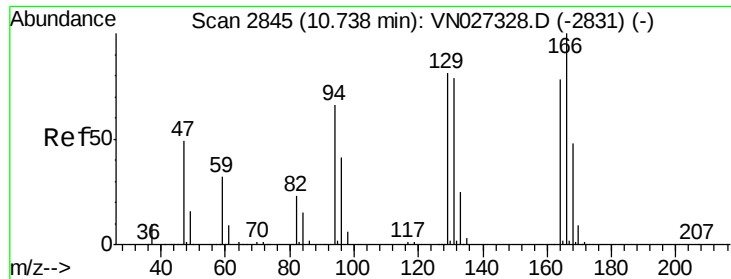
MMDadoda
9/22/2015 2:28:58 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	865769		
82	65.2	49.6	74.4	
119	31.0	24.6	36.8	





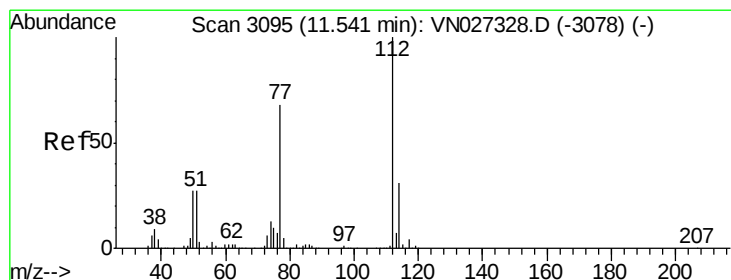
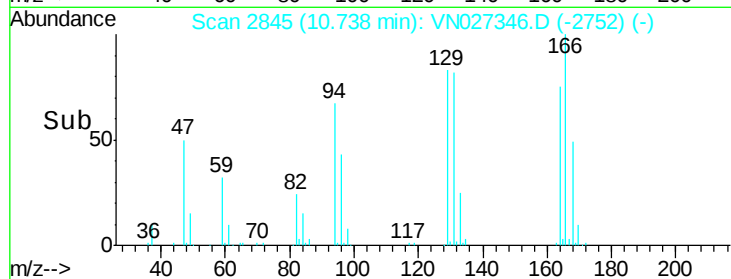
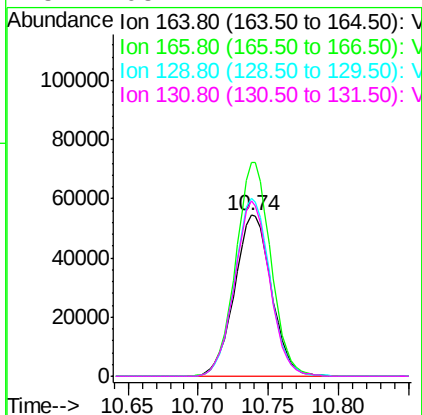
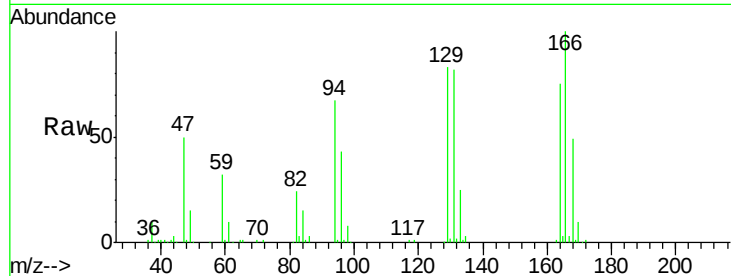
#65
Tetrachloroethene
Concen: 19.34 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion	Ratio	Lower	Upper
164	100		
166	132.6	103.4	155.0
129	110.6	77.5	116.3
131	108.7	74.2	111.4

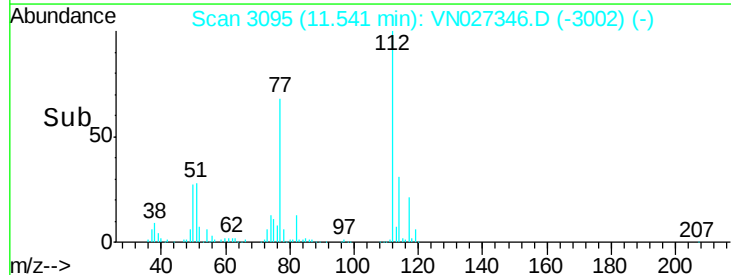
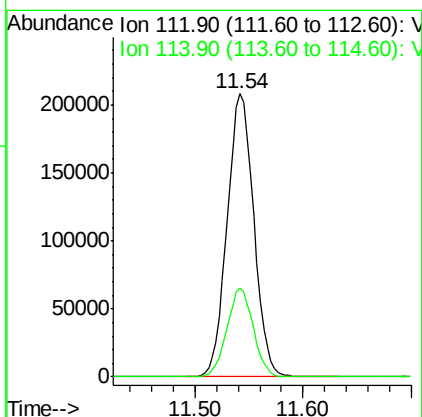
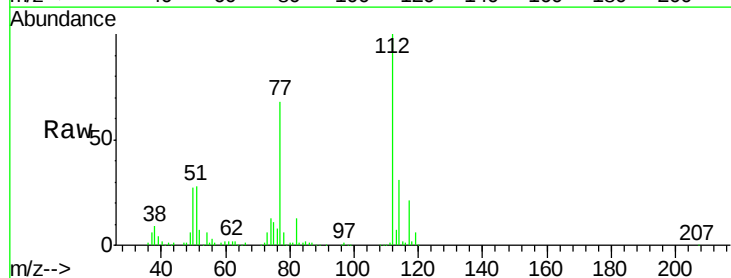
Manual Integrations
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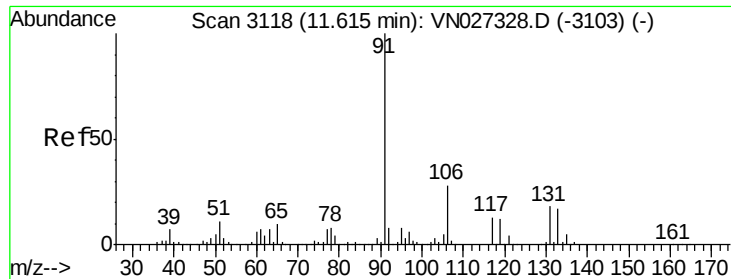
MMDadoda
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#66
Chlorobenzene
Concen: 19.37 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.2	24.9	37.3





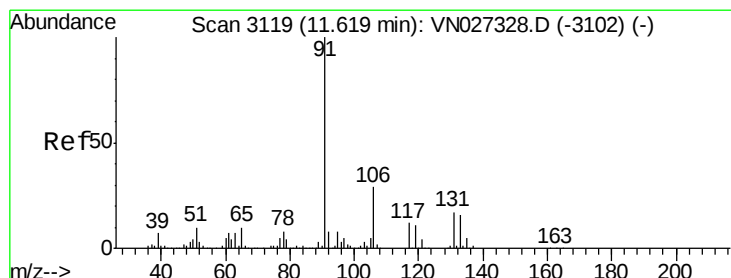
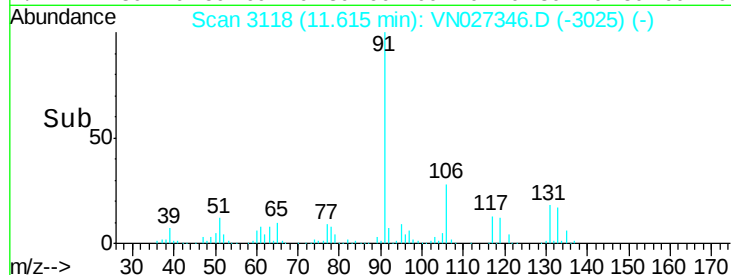
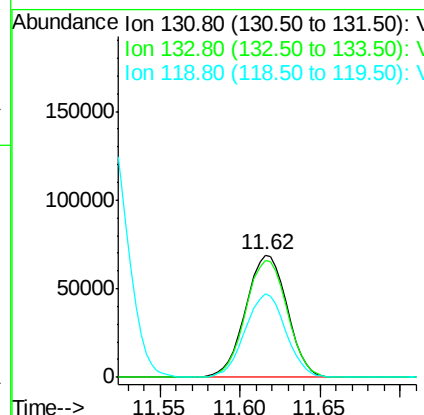
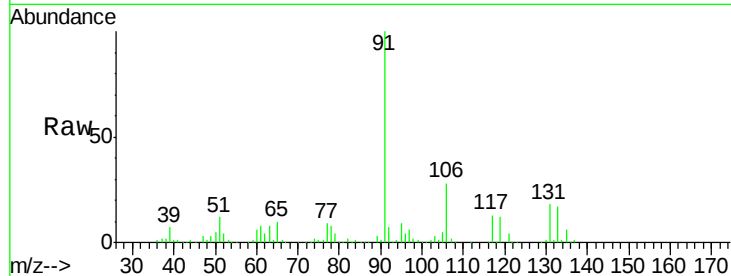
#67
 1,1,1,2-Tetrachloroethane
 Concen: 19.64 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	Ratio	Lower	Upper
131	100		
133	96.0	47.0	141.2
119	66.7	35.1	105.5

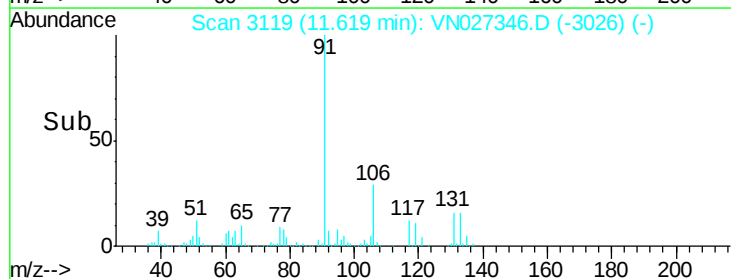
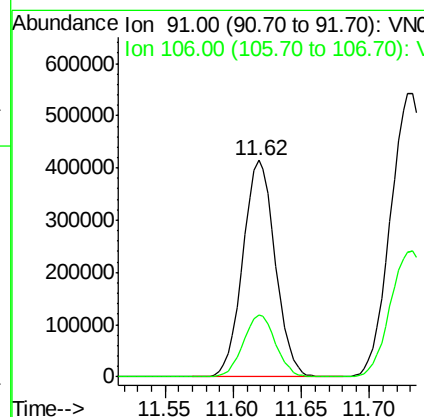
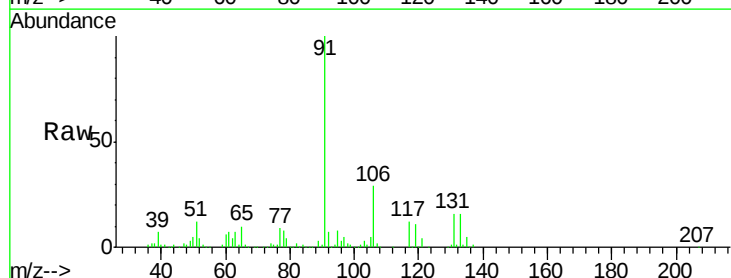
Manual Integrations
 APPROVED

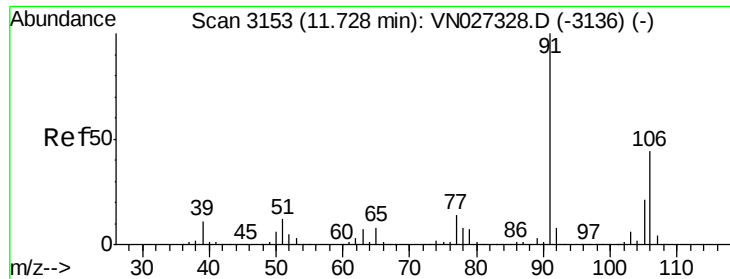
MMDadoda
 9/22/2015 2:28:58 PM



#68
 Ethyl Benzene
 Concen: 19.49 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.8	23.1	34.7





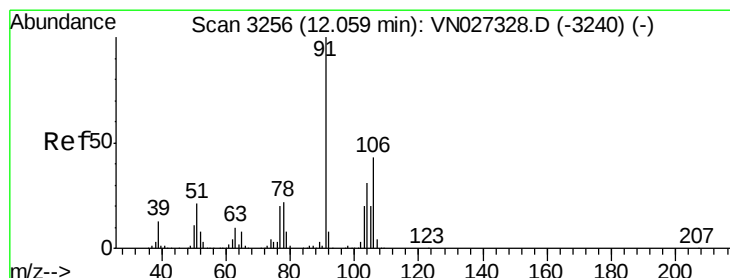
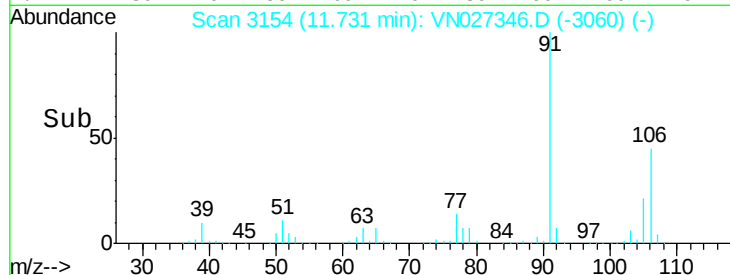
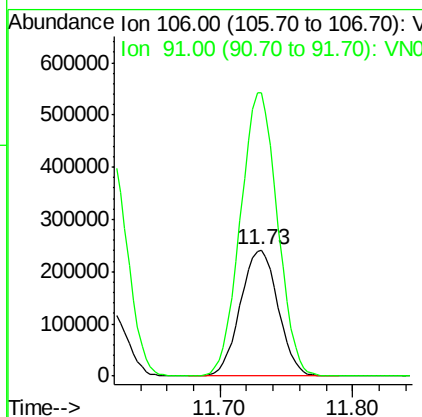
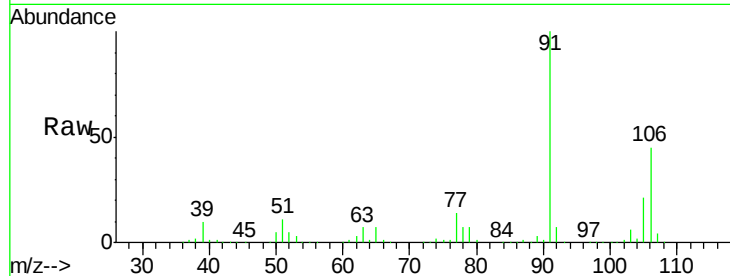
#69
m/p-Xylenes
Concen: 39.10 ug/l
RT: 11.73 min Scan# 3154
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion:106 Resp: 474649
Ion Ratio Lower Upper
106 100
91 221.8 167.1 250.7

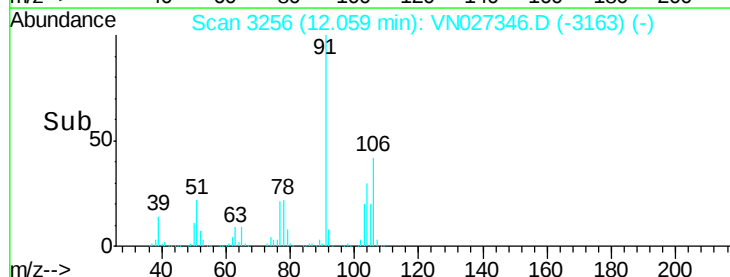
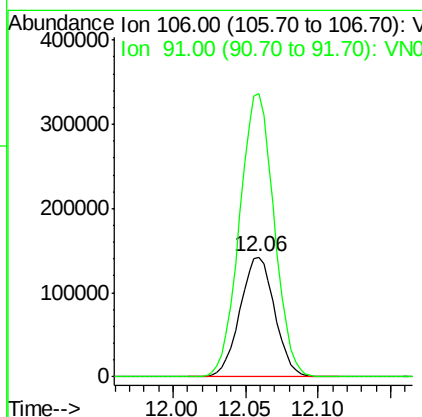
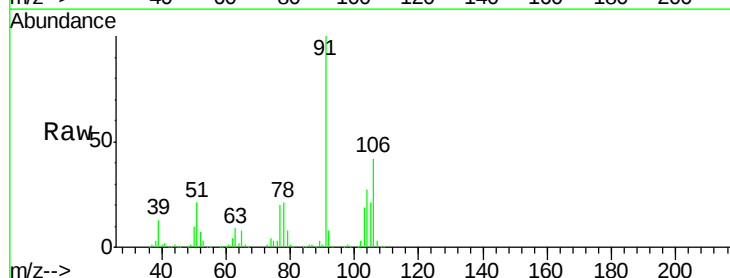
Manual Integrations
APPROVED

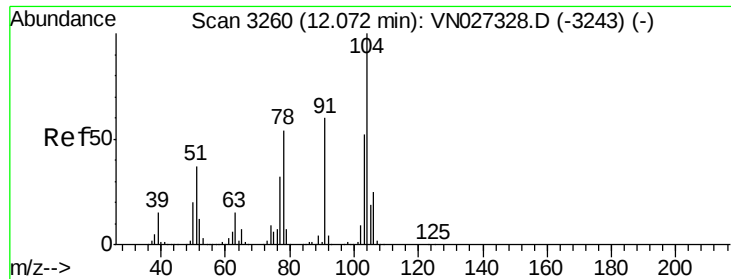
MMDadoda
9/22/2015 2:28:58 PM



#70
o-Xylene
Concen: 19.37 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion:106 Resp: 237554
Ion Ratio Lower Upper
106 100
91 234.6 110.7 331.9





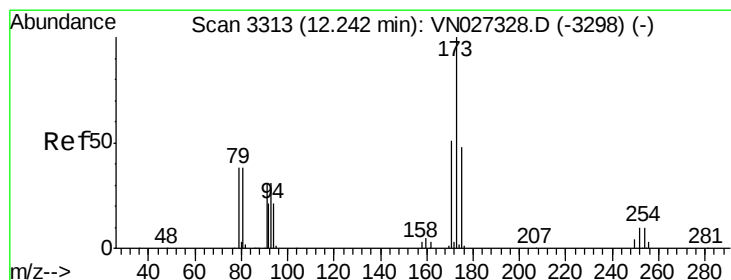
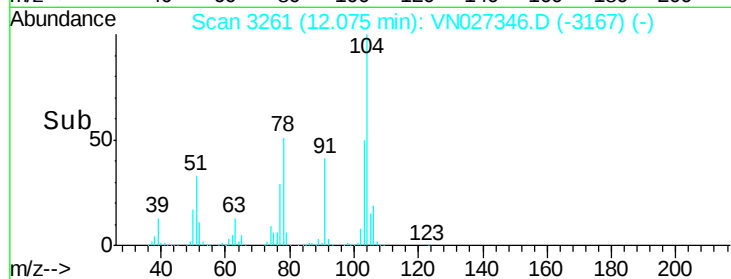
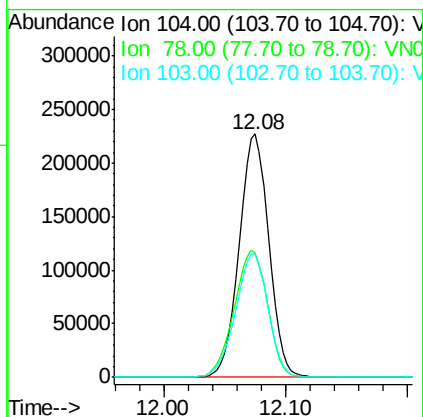
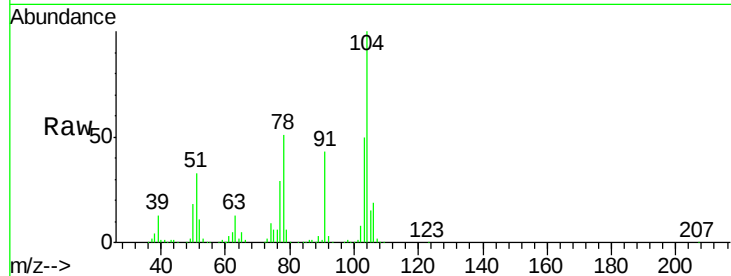
#71
Stvrene
Concen: 19.48 ug/l
RT: 12.08 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion	Ratio	Resp	Lower	Upper
104	100	380384		
78	58.9		41.6	62.4
103	55.8		44.2	66.2

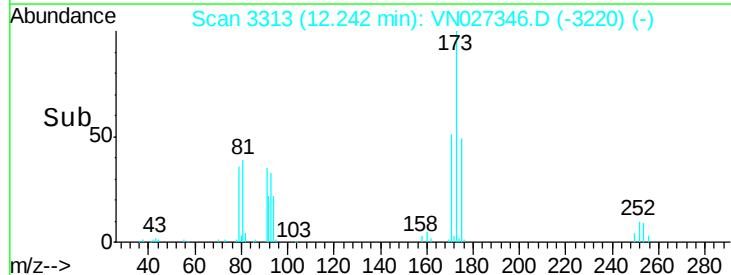
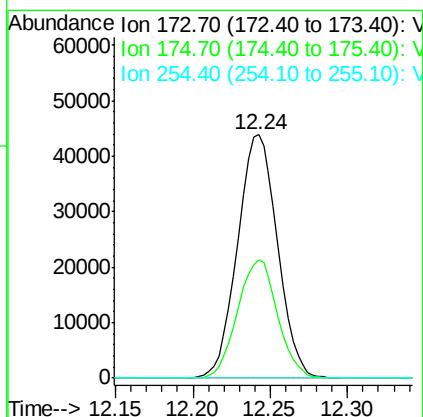
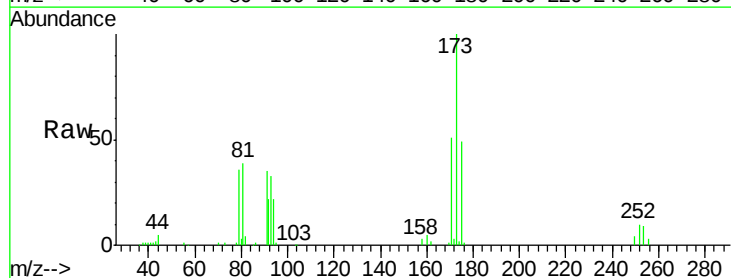
Manual Integrations
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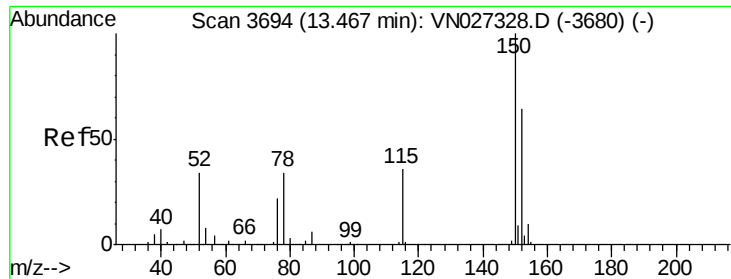
MMDadoda
9/22/2015 2:28:58 PM



#72
Bromoform
Concen: 18.81 ug/l
RT: 12.24 min Scan# 3313
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
173	100	78610		
175	48.5		24.4	73.4
254	0.0		0.1	0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion:152 Resp: 327543

Ion Ratio Lower Upper

152 100

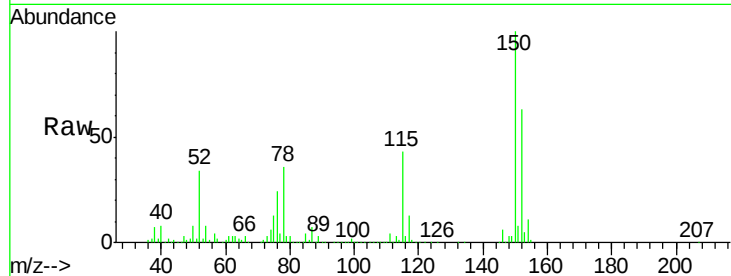
115 68.3 30.8 92.3

150 162.3 0.0 345.0

Manual Integrations
APPROVED

MMDadoda

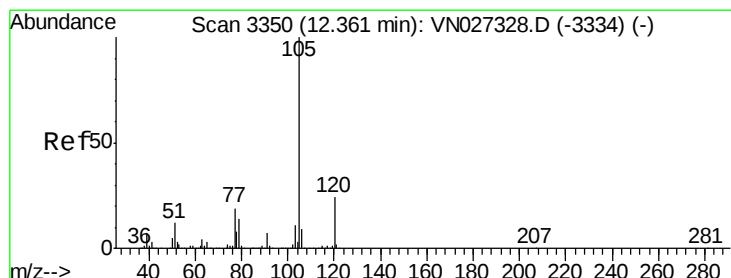
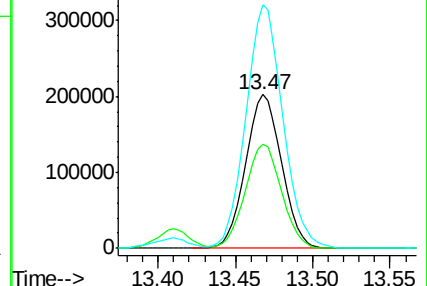
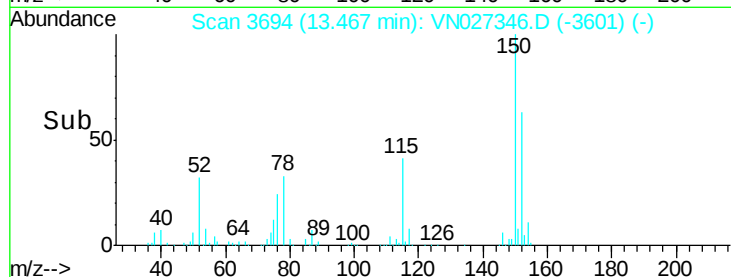
9/22/2015 2:28:58 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 19.76 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027346.D

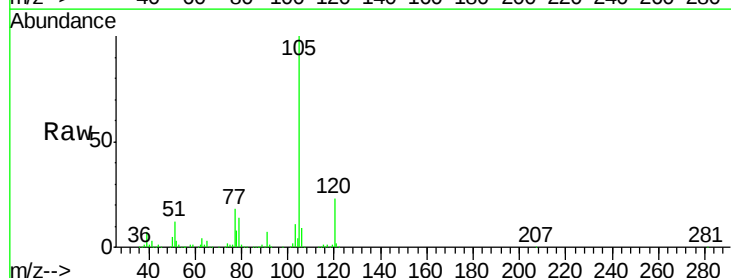
Acq: 21 Sep 2015 23:17

Tgt Ion:105 Resp: 648305

Ion Ratio Lower Upper

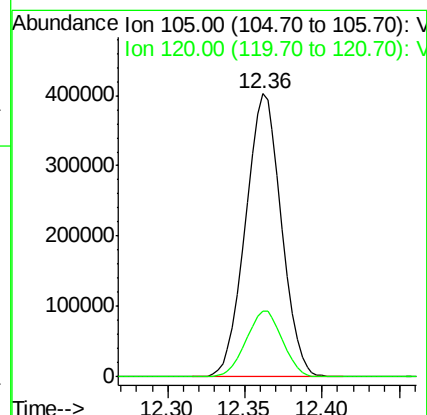
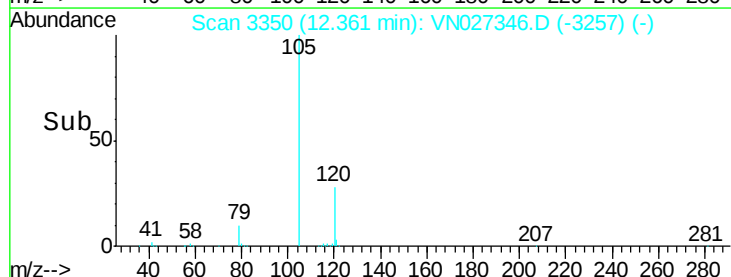
105 100

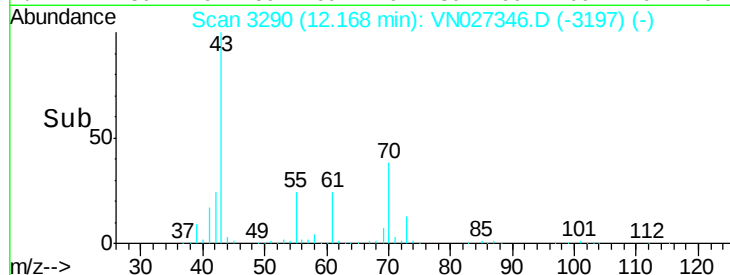
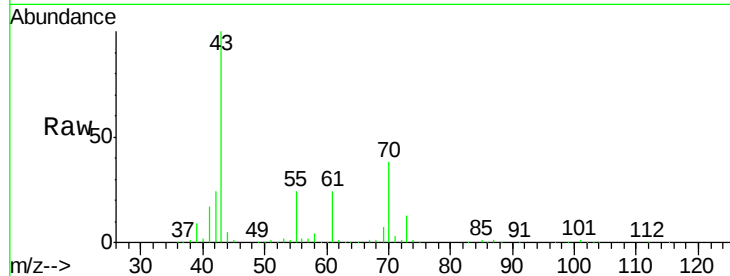
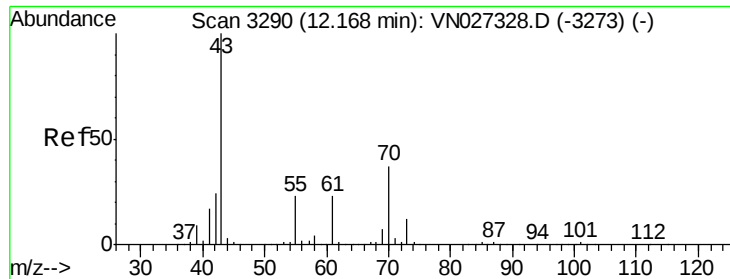
120 23.6 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





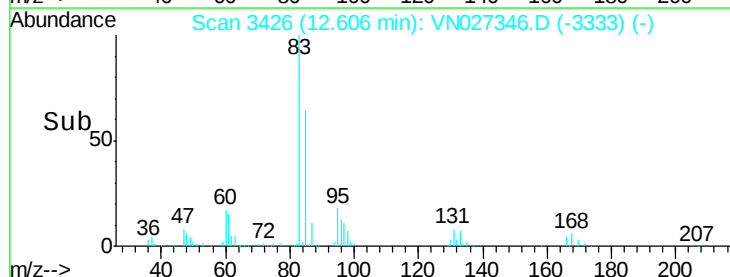
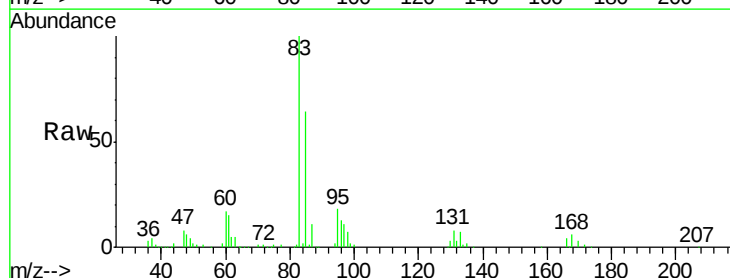
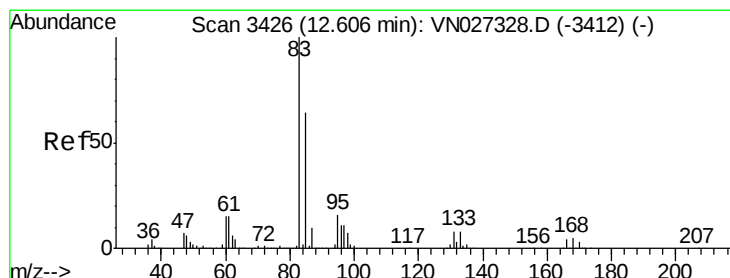
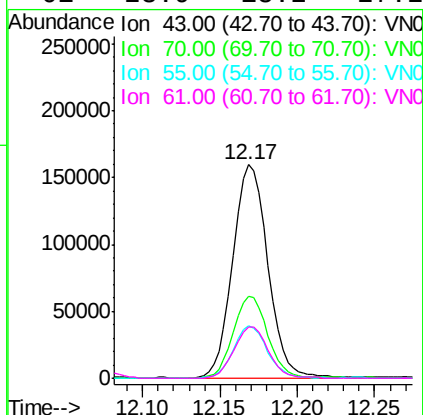
#75
N-amvl acetate
Concen: 19.25 ug/l
RT: 12.17 min Scan# 3290
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tot Ion	43	Resp	250562
Ion Ratio	Lower	Upper	
43	100		
70	37.9	29.8	44.8
55	23.7	19.4	29.0
61	23.9	18.2	27.2

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

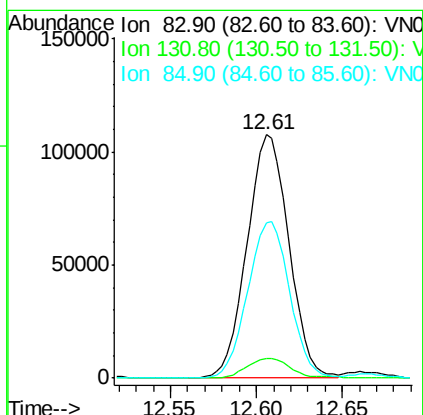
Manual Integrations
APPROVED

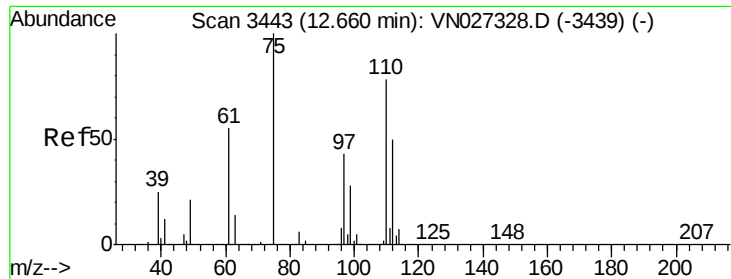
MMDadoda
9/22/2015 2:28:58 PM



#76
1,1,2,2-Tetrachloroethane
Concen: 19.64 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion	83	Resp	181368
Ion Ratio	Lower	Upper	
83	100		
131	8.4	4.1	12.3
85	64.6	31.9	95.7





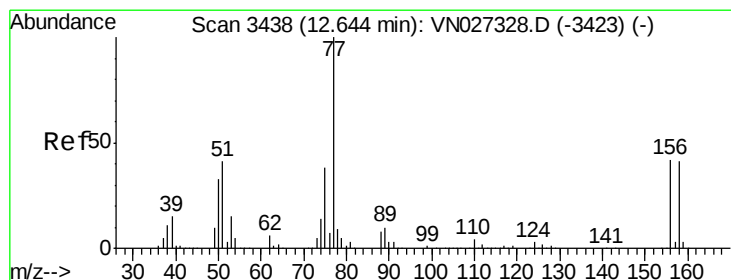
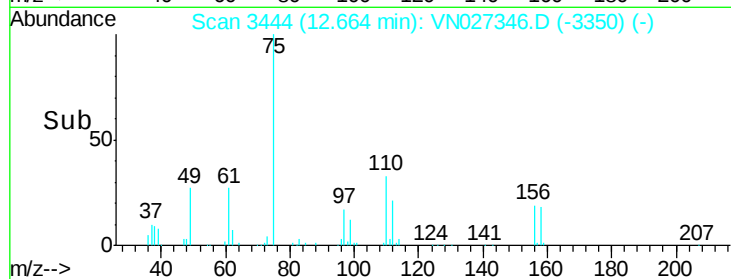
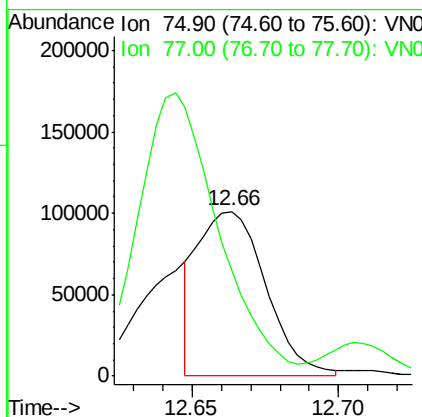
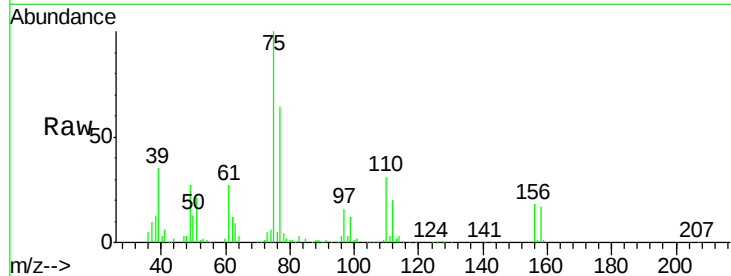
#77
 1,2,3-Trichloropropane
 Concen: 19.79 ug/l m
 RT: 12.66 min Scan# 3444
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion: 75 Resp: 162753
 Ion Ratio Lower Upper
 75 100
 77 206.4 103.1 309.3

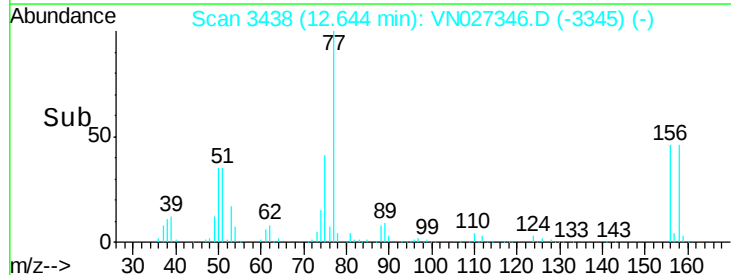
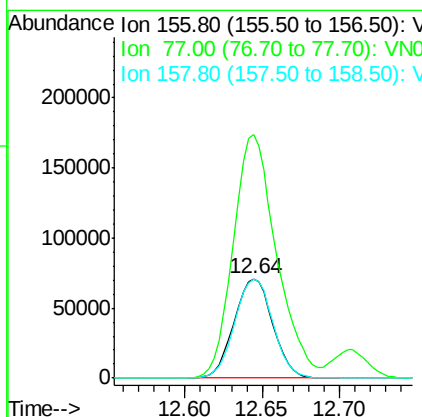
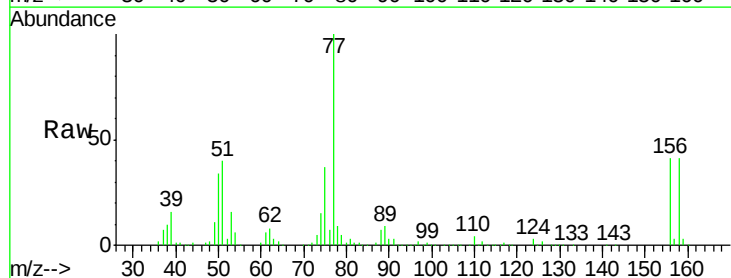
Manual Integrations
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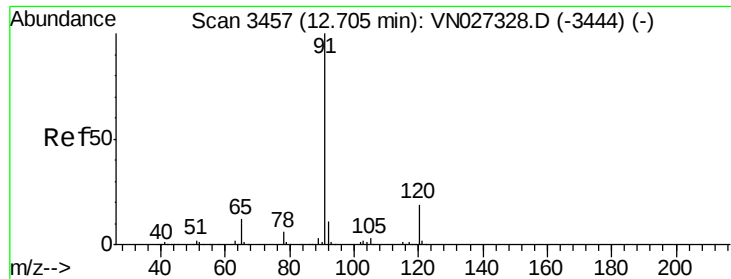
MMDadoda
 9/22/2015 2:28:58 PM



#78
 Bromobenzene
 Concen: 19.15 ug/l
 RT: 12.64 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion: 156 Resp: 122940
 Ion Ratio Lower Upper
 156 100
 77 273.3 127.3 381.9
 158 98.8 48.0 144.2





#79

n-propylbenzene

Concen: 18.89 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampled :

VN0921WBS02

Tot Ion: 91 Resp: 739187

Ion Ratio Lower Upper

91 100

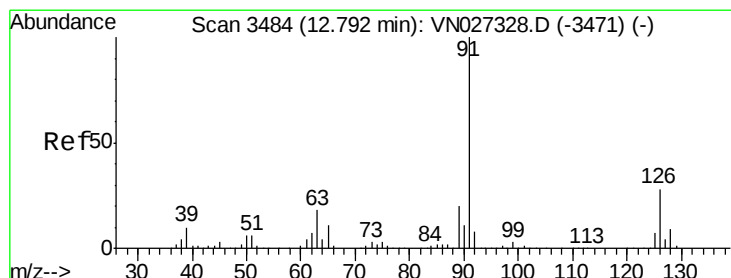
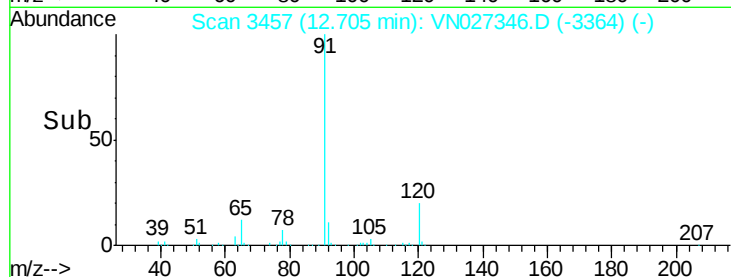
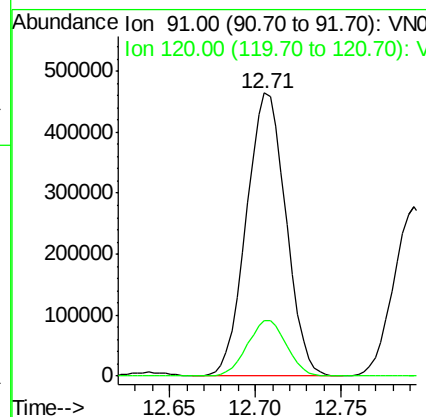
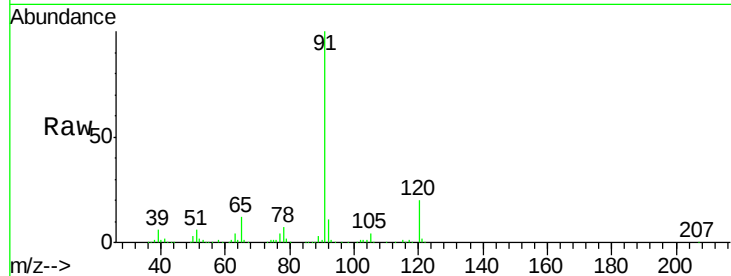
120 19.6 10.3 30.8

Manual Integrations

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#80

2-Chlorotoluene

Concen: 18.77 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027346.D

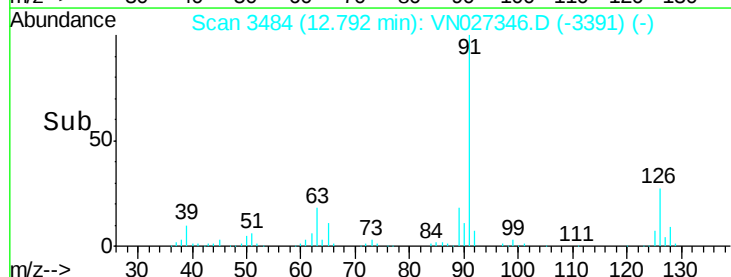
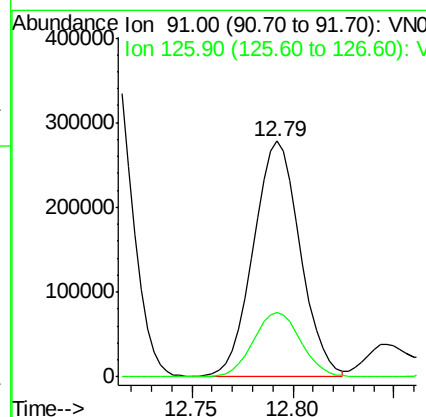
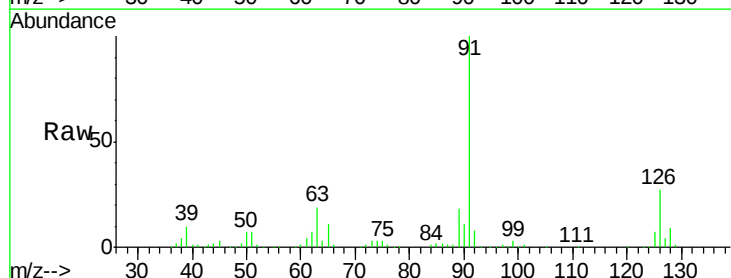
Acq: 21 Sep 2015 23:17

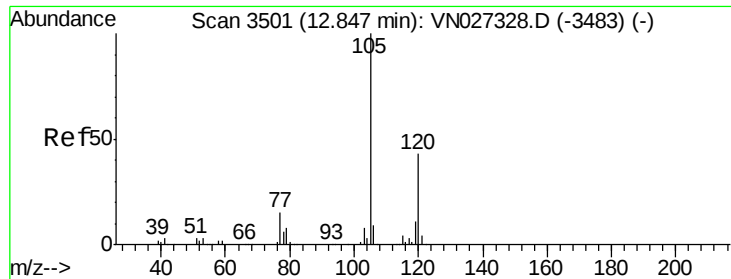
Tgt Ion: 91 Resp: 448969

Ion Ratio Lower Upper

91 100

126 28.2 15.2 45.5





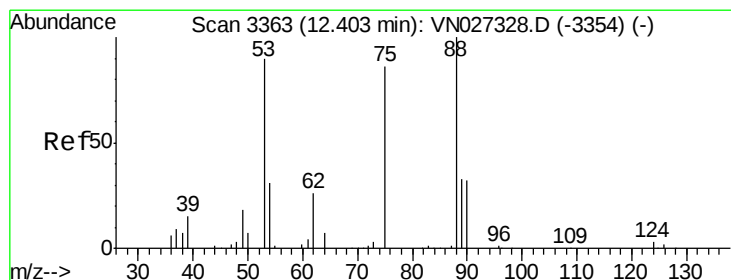
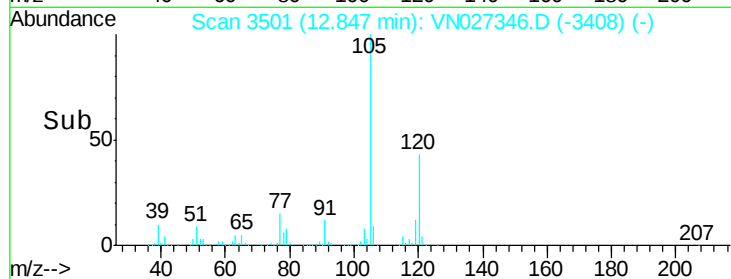
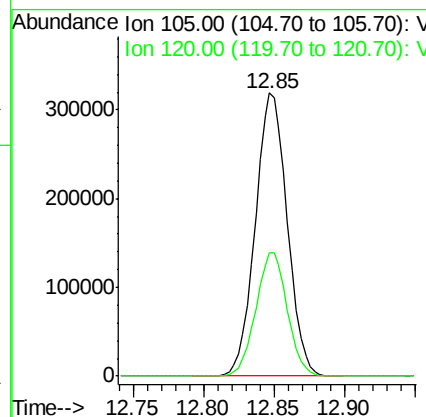
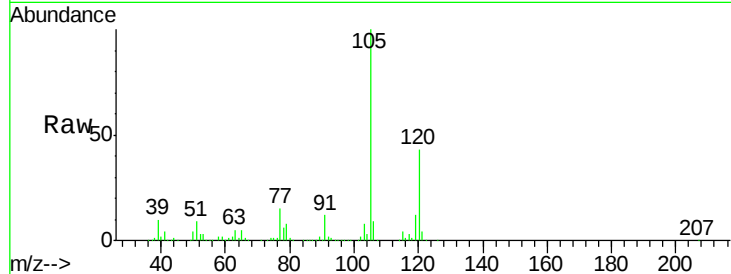
#81
 1,3,5-Trimethylbenzene
 Concen: 18.99 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.1	23.4	70.0

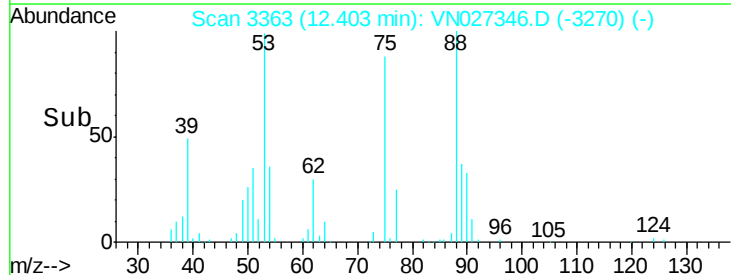
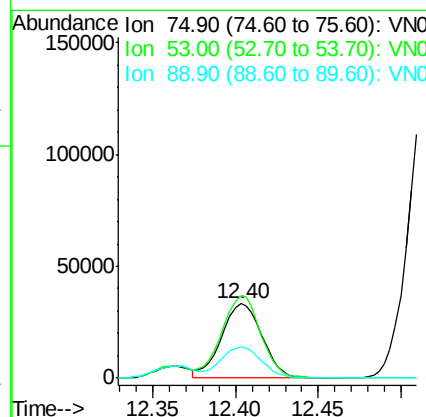
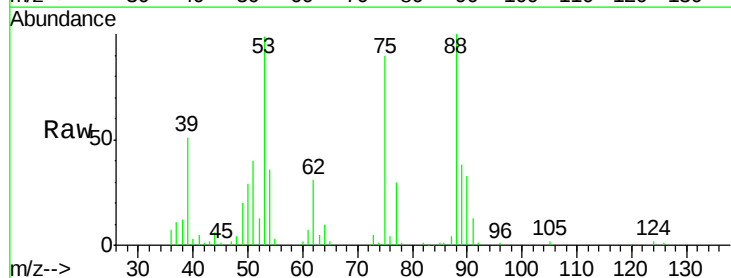
Manual Integrations
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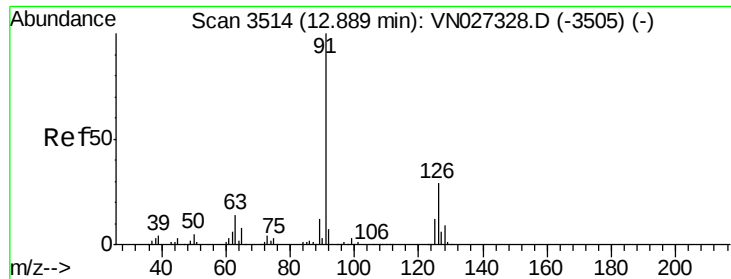
MMDadoda
 9/22/2015 2:28:58 PM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 17.53 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Lower	Upper
75	100		
53	106.9	92.9	139.3
89	42.1	34.2	51.4





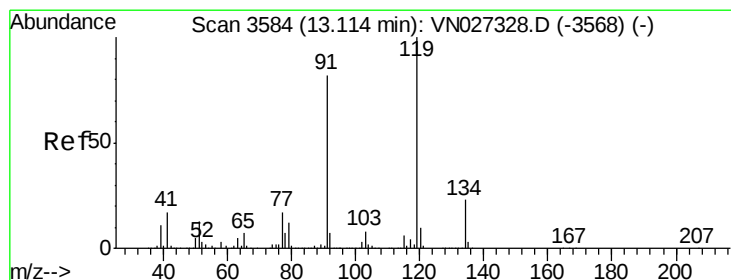
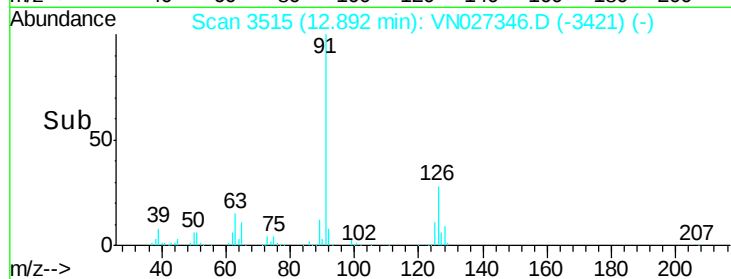
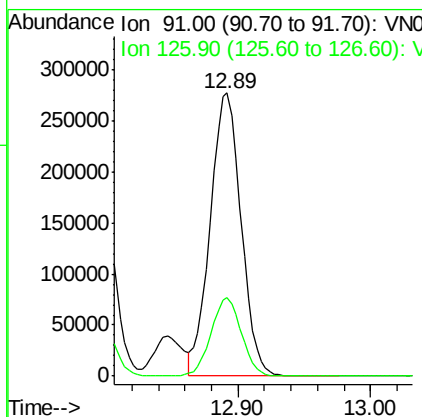
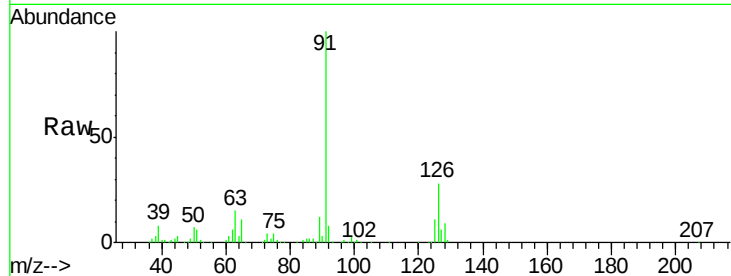
#83
4-Chlorotoluene
Concen: 19.14 ug/l
RT: 12.89 min Scan# 3515
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampleId :
VN0921WBS02

Tot Ion: 91 Resp: 446941
Ion Ratio Lower Upper
91 100
126 27.1 14.9 44.5

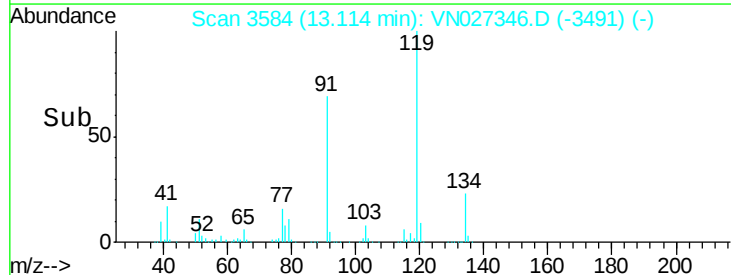
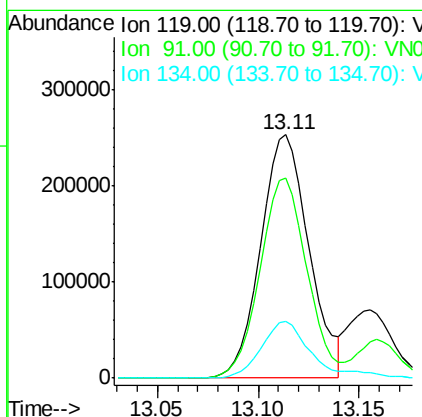
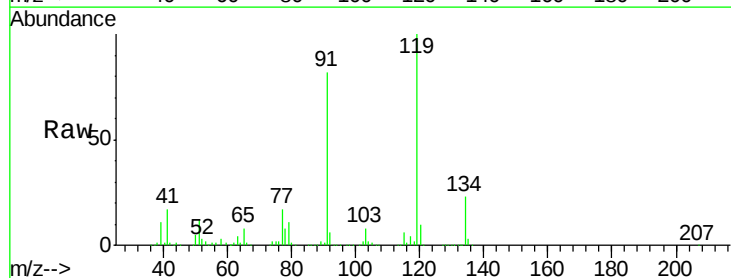
Manual Integrations
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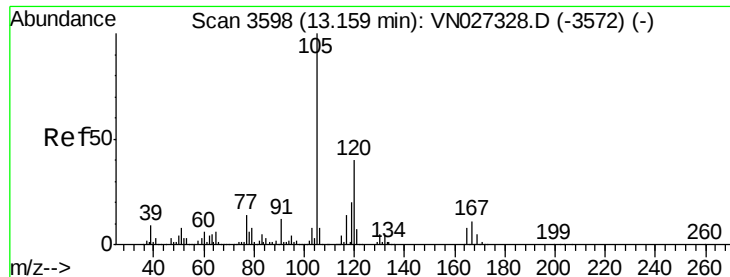
MMDadoda
9/22/2015 2:28:58 PM



#84
tert-Butylbenzene
Concen: 19.67 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion: 119 Resp: 420770
Ion Ratio Lower Upper
119 100
91 80.5 34.6 103.8
134 24.4 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 19.24 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion:105 Resp: 507444

Ion Ratio Lower Upper

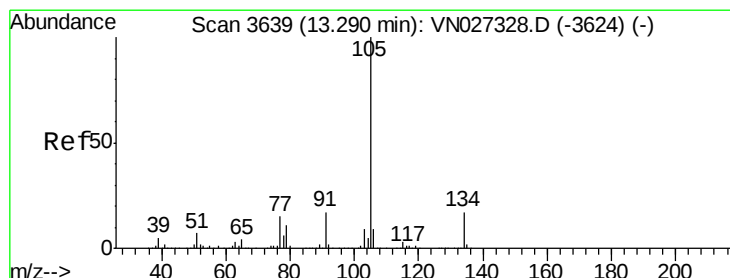
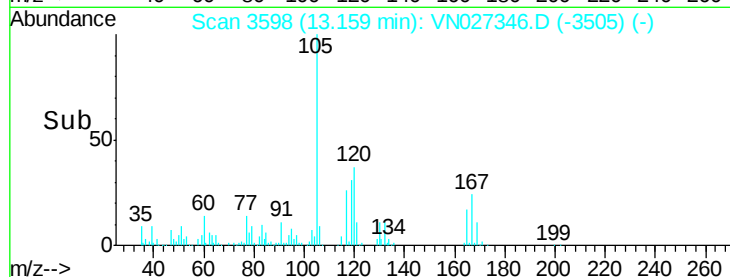
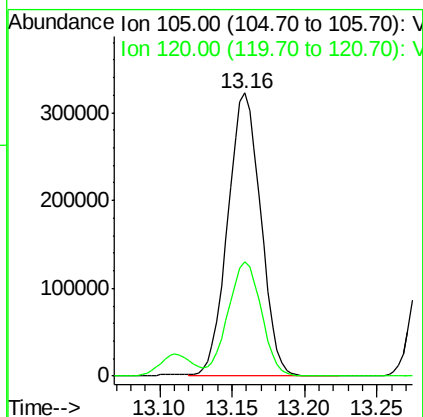
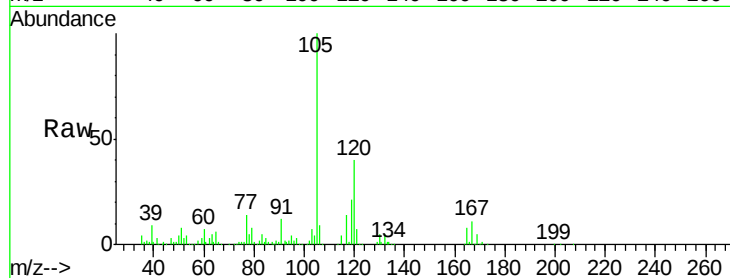
105 100

120 41.0 21.9 65.5

Manual Integrations
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#86

sec-Butylbenzene

Concen: 19.26 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027346.D

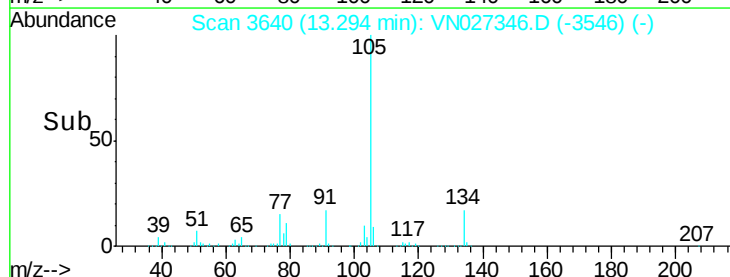
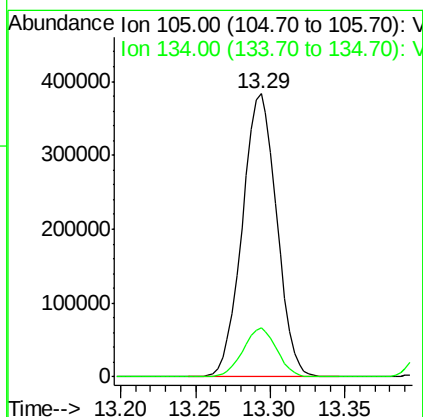
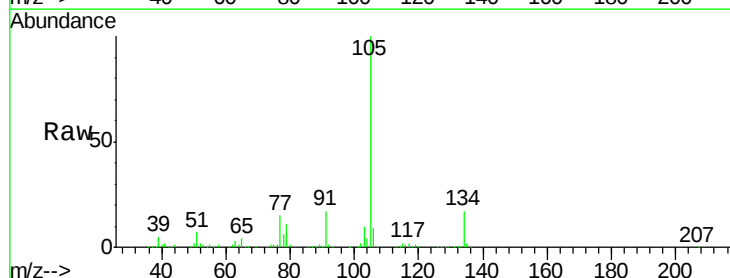
Acq: 21 Sep 2015 23:17

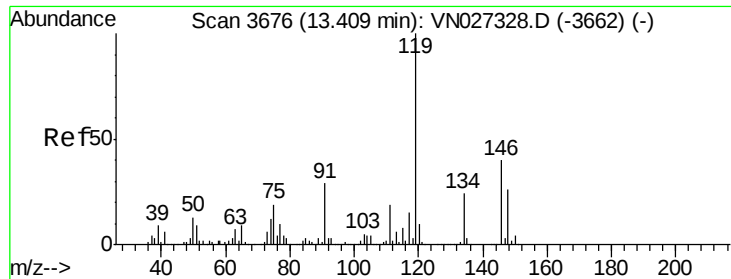
Tgt Ion:105 Resp: 613614

Ion Ratio Lower Upper

105 100

134 17.0 8.8 26.4





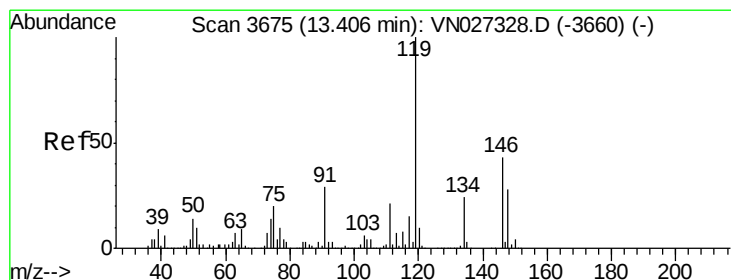
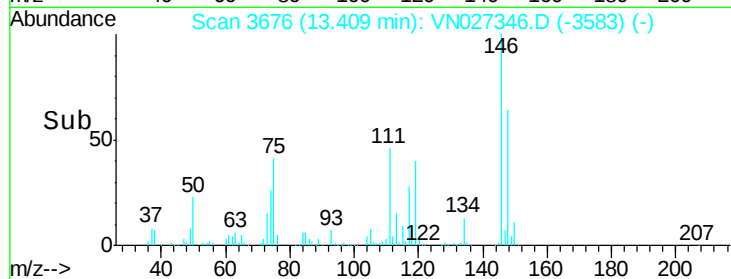
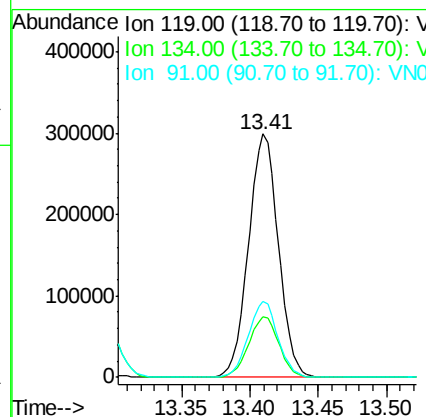
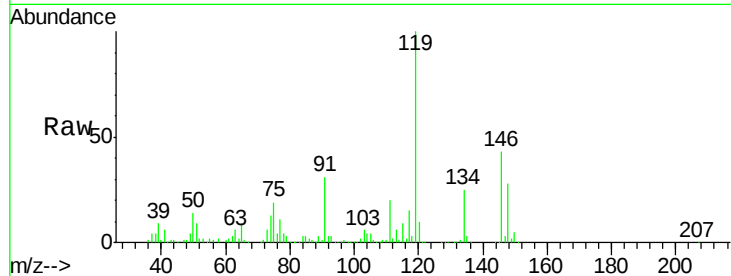
#87
 p-Isopropyltoluene
 Concen: 18.97 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	453115		
134	25.1	12.4	37.0	
91	30.6	12.0	36.1	

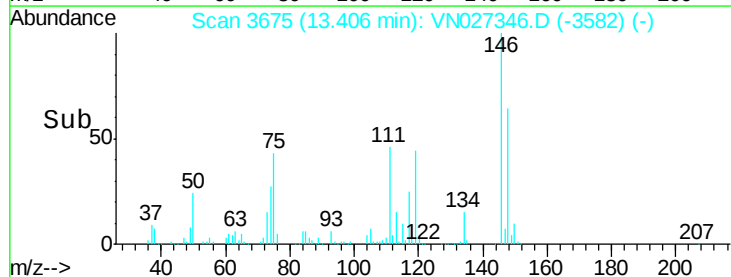
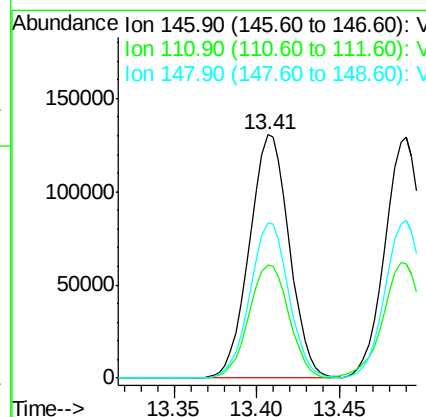
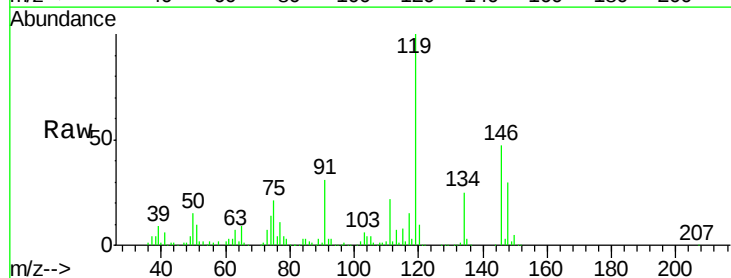
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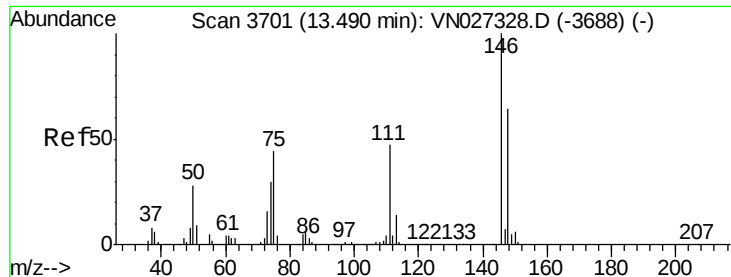
MMDadoda
 9/22/2015 2:28:58 PM



#88
 1,3-Dichlorobenzene
 Concen: 19.67 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	217912		
111	46.7	21.0	63.0	
148	62.4	31.9	95.9	





#89

1,4-Dichlorobenzene

Concen: 18.73 ug/l

RT: 13.49 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

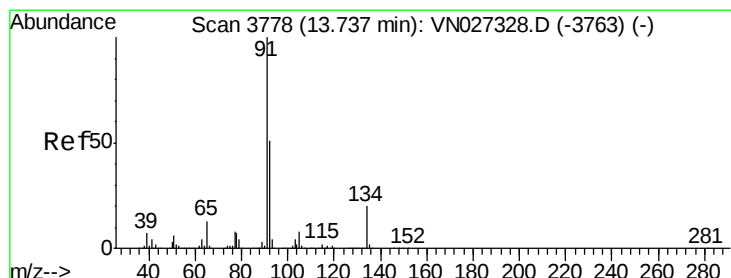
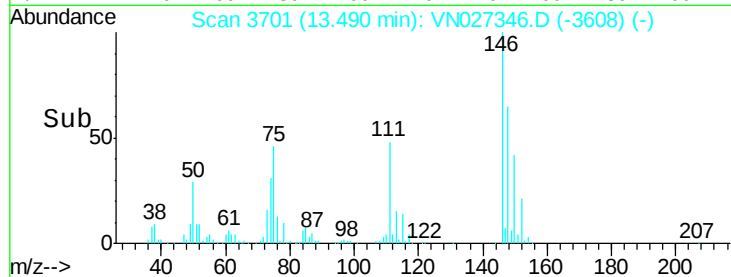
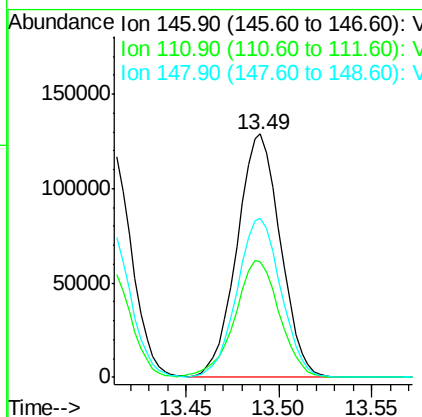
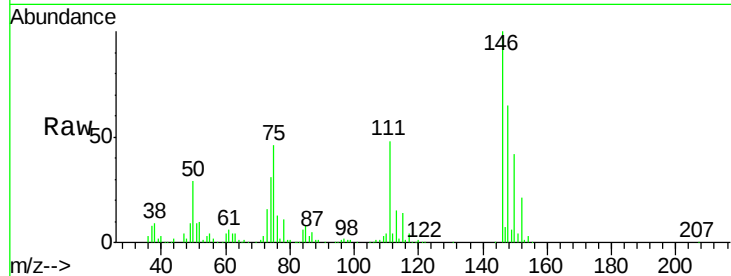
ClientSampleId :

VN0921WBS02

Tot Ion:	146	Resp:	209946
Ion Ratio	Lower	Upper	
146	100		
111	49.1	19.9	59.6
148	66.2	31.7	95.1

Manual Integrations
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#90

n-Butylbenzene

Concen: 18.16 ug/l

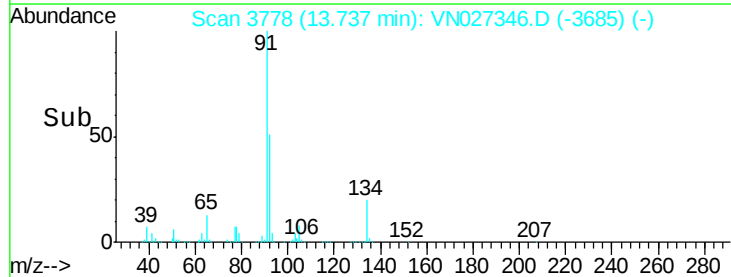
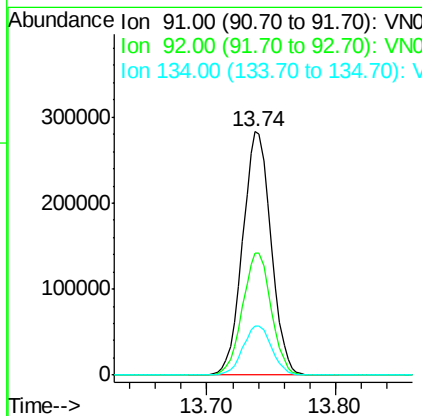
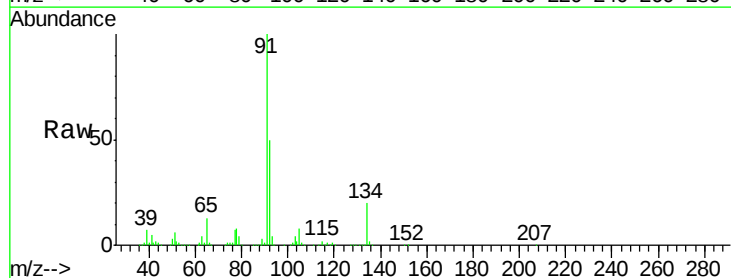
RT: 13.74 min Scan# 3778

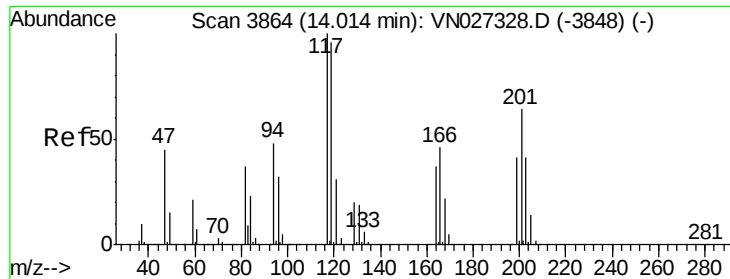
Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Tgt Ion:	91	Resp:	433142
Ion Ratio	Lower	Upper	
91	100		
92	50.8	26.1	78.2
134	20.6	11.1	33.1





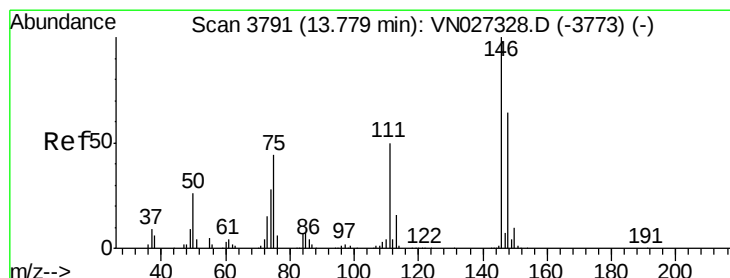
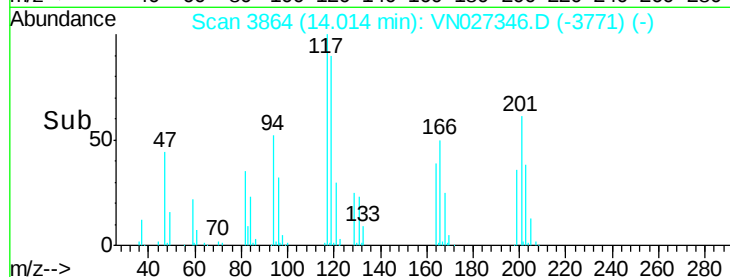
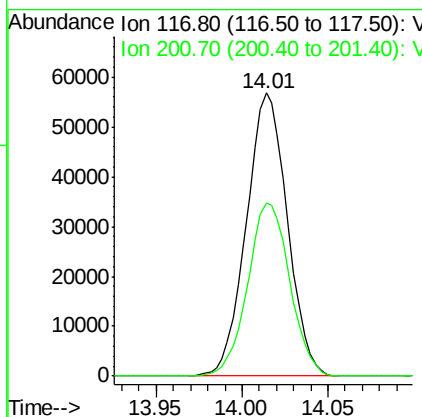
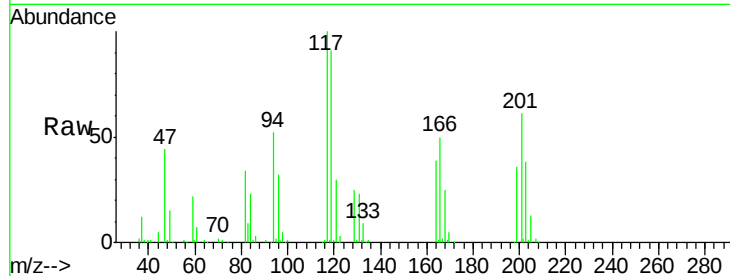
#91
Hexachloroethane
Concen: 18.34 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Instrument :
MSVOA_N
ClientSampled :
VN0921WBS02

Tot Ion:117 Resp: 93649
Ion Ratio Lower Upper
117 100
201 62.9 34.9 104.7

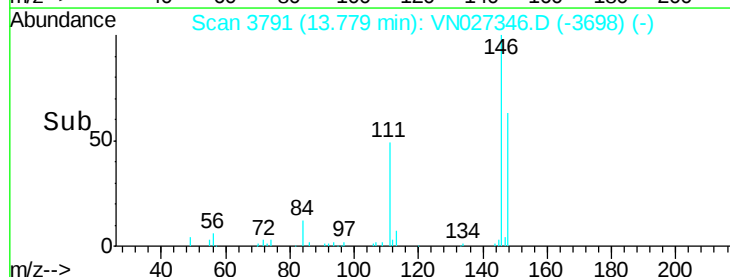
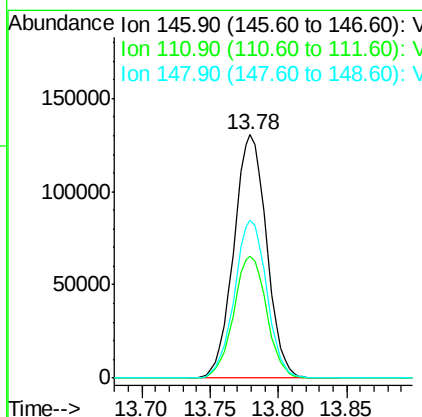
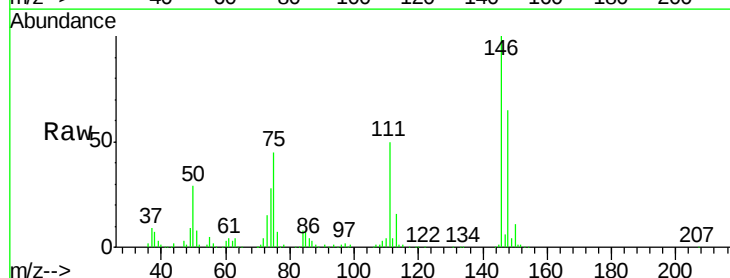
Manual Integrations
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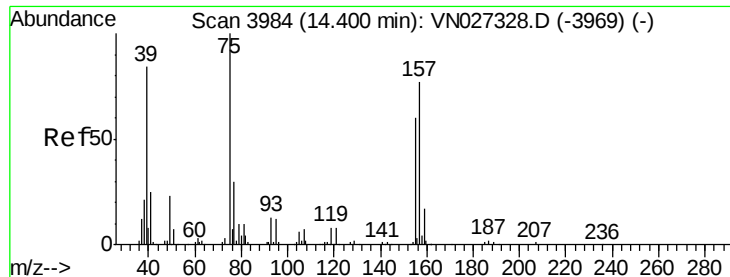
MMDadoda
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#92
1,2-Dichlorobenzene
Concen: 19.67 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027346.D
Acq: 21 Sep 2015 23:17

Tgt Ion:146 Resp: 217661
Ion Ratio Lower Upper
146 100
111 50.3 22.1 66.3
148 64.0 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 18.69 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

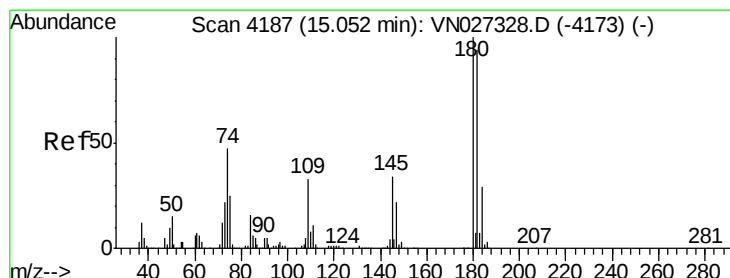
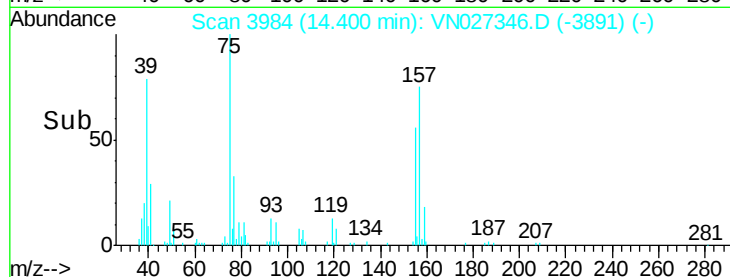
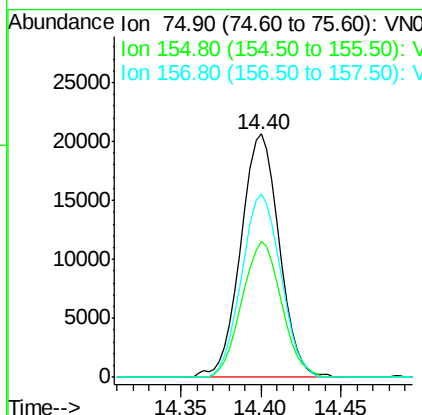
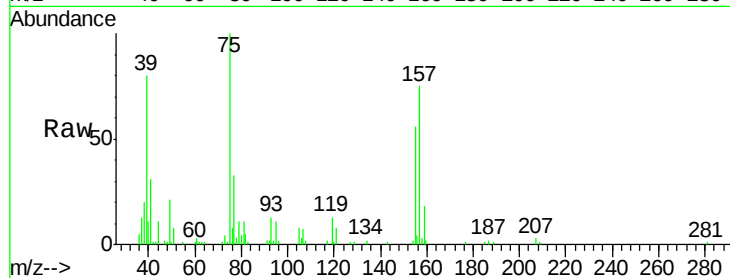
ClientSampleId :

VN0921WBS02

Tot Ion:	75	Resp:	33829
Ion	Ratio	Lower	Upper
75	100		
155	57.2	35.6	106.9
157	76.6	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 18.82 ug/l

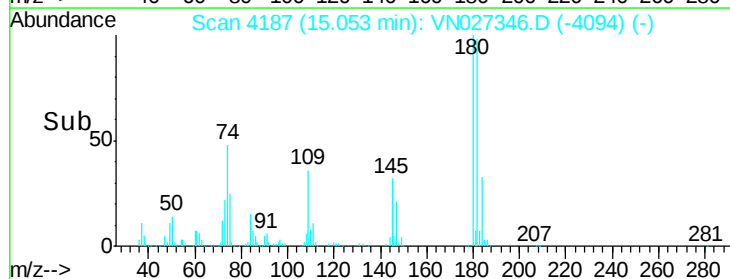
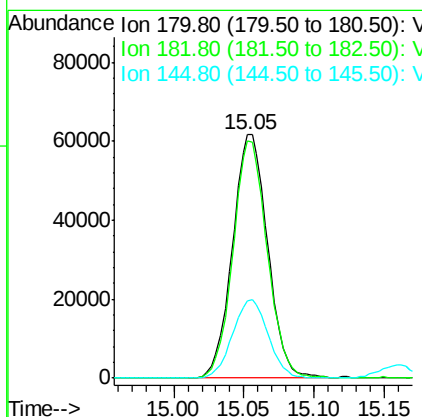
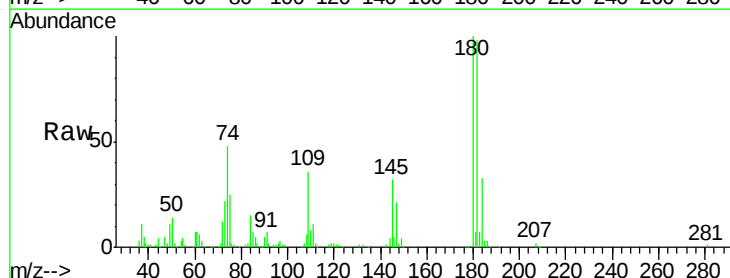
RT: 15.05 min Scan# 4187

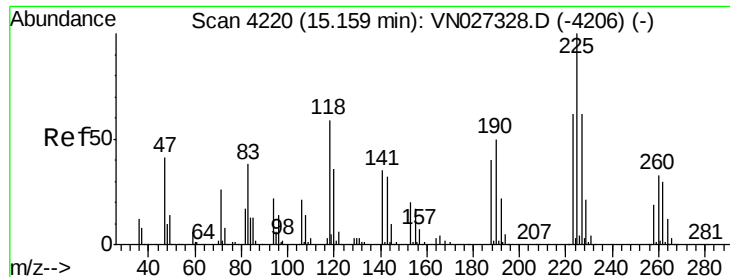
Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Tgt Ion:	180	Resp:	107663
Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.5	142.5
145	32.6	15.1	45.3





#95

Hexachlorobutadiene

Concen: 18.31 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

Instrument :

MSVOA_N

ClientSampleId :

VN0921WBS02

Tot Ion:225 Resp: 57389

Ion Ratio Lower Upper

225 100

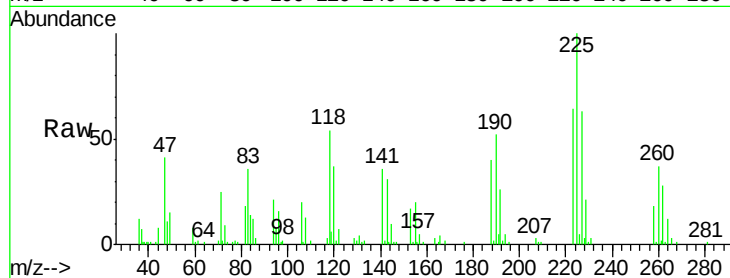
223 62.5 30.8 92.3

227 61.6 31.7 95.1

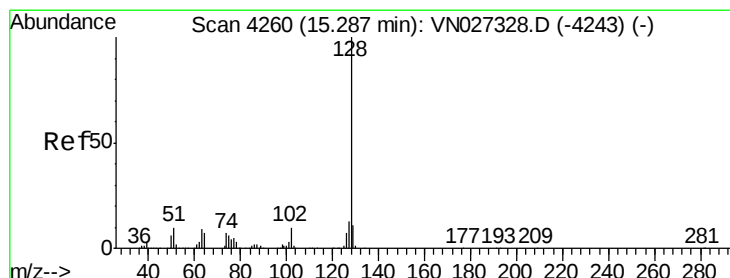
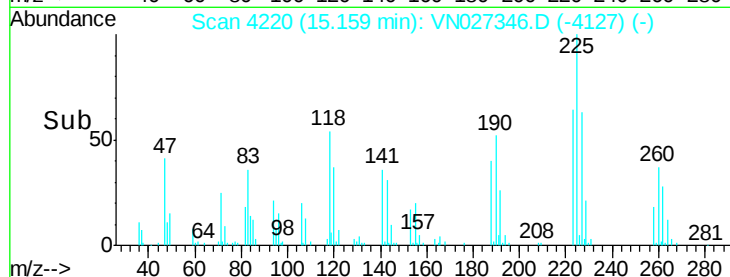
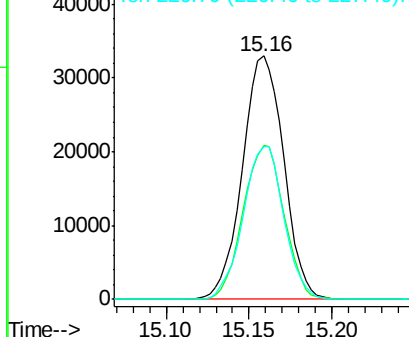
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 19.28 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027346.D

Acq: 21 Sep 2015 23:17

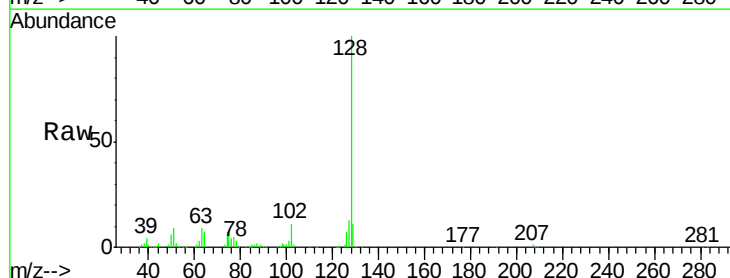
Tgt Ion:128 Resp: 293405

Ion Ratio Lower Upper

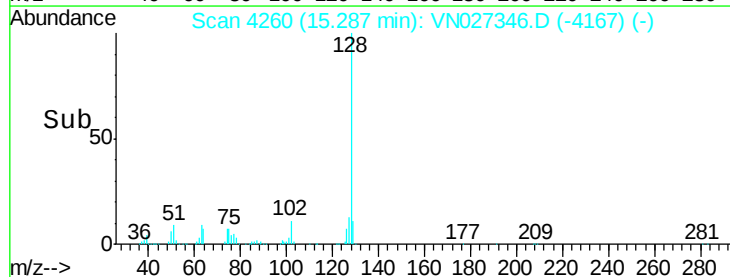
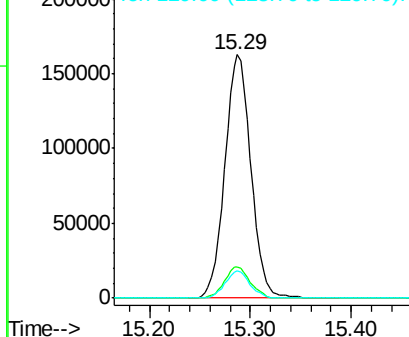
128 100

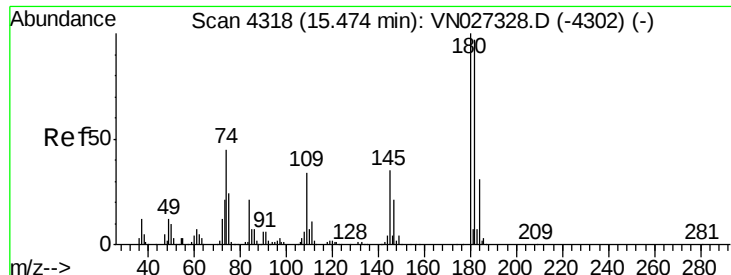
127 12.5 10.4 15.6

129 10.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#97
 1,2,3-Trichlorobenzene
 Concen: 19.05 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027346.D
 Acq: 21 Sep 2015 23:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0921WBS02

Tot Ion:	180	Resp:	108550
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.8	146.4
145	36.1	16.6	49.8

Manual Integrations
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