

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027326.D
 Acq On : 21 Sep 2015 10:46
 Operator : MD\FY
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:27:45 PM

Quant Time: Sep 21 12:20:48 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 21 12:16:44 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	626960	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1131258	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	954476	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	334820	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	60167	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
36) Dibromofluoromethane	7.67	113	35078	4.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.94%	
51) Toluene-d8	10.19	98	140144	4.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.12%	
63) 4-Bromofluorobenzene	12.52	95	48891	4.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	32805	4.37	ug/l	99
3) Chlorodifluoromethane	1.82	51	37727	4.35	ug/l	94
4) Chloromethane	2.01	50	37628	4.17	ug/l	94
5) Vinyl Chloride	2.14	62	41416	4.67	ug/l	96
6) Bromomethane	2.54	94	16091	3.57	ug/l	91
7) Chloroethane	2.69	64	26715	4.44	ug/l	100
8) Trichlorofluoromethane	3.02	101	62317	4.66	ug/l	90
9) Diethyl Ether	3.43	74	26235	4.26	ug/l	92
10) 1,1,2-Trichlorotrifluoroet	3.79	101	39582	4.71	ug/l	94
11) Methyl Iodide	3.99	142	15742	1.93	ug/l	90
12) Tert butyl alcohol	4.80	59	26141	20.81	ug/l #	84
13) 1,1-Dichloroethene	3.77	96	35922	4.46	ug/l	90
14) Acrolein	3.62	56	24885	16.86	ug/l #	50
15) Allyl chloride	4.37	41	69057	4.25	ug/l #	82
16) Acrylonitrile	5.04	53	78708	19.16	ug/l	93
17) Acetone	3.83	43	83910	24.23	ug/l	96
18) Carbon Disulfide	4.11	76	109214	4.17	ug/l	100
19) Methyl Acetate	4.37	43	98809	3.94	ug/l	97
20) Methyl tert-butyl Ether	5.12	73	145145	4.49	ug/l	96
21) Methylene Chloride	4.60	84	46475	4.82	ug/l	95
22) trans-1,2-Dichloroethene	5.12	96	38552	4.43	ug/l	95
23) Diisopropyl ether	6.03	45	151562	4.44	ug/l #	79
24) Vinyl Acetate	5.98	43	180443m	15.98	ug/l	
25) 1,1-Dichloroethane	5.93	63	90151	4.55	ug/l	98
26) 2-Butanone	6.92	43	106670	20.45	ug/l	92
27) 2,2-Dichloropropane	6.92	77	77787	4.52	ug/l	94
28) cis-1,2-Dichloroethene	6.92	96	46241	4.63	ug/l	95
29) Bromochloromethane	7.29	49	33930	4.41	ug/l	97
30) Tetrahydrofuran	7.32	42	66535	18.51	ug/l #	88
31) Chloroform	7.45	83	84416	4.71	ug/l	96
32) Cyclohexane	7.77	56	99066	4.50	ug/l #	84
33) 1,1,1-Trichloroethane	7.67	97	72613	4.55	ug/l	98
37) 1,1-Dichloropropene	7.89	75	61229	4.62	ug/l	100
38) Ethyl Acetate	7.03	43	46277	3.80	ug/l	97

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 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
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 VSTDIC005

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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	59408	4.77	ug/l	95
40) Methylcyclohexane	9.19	83	78297	4.86	ug/l	97
41) Benzene	8.14	78	182888	4.73	ug/l	98
42) Methacrylonitrile	7.24	41	25071	3.92	ug/l #	82
43) 1,2-Dichloroethane	8.22	62	75422	4.85	ug/l	95
44) Isopropyl Acetate	8.25	43	90040	4.25	ug/l	99
45) Trichloroethene	8.94	130	36123	4.65	ug/l	89
46) 1,2-Dichloropropane	9.22	63	51182	4.60	ug/l	96
47) Dibromomethane	9.31	93	30014	4.60	ug/l	91
48) Bromodichloromethane	9.49	83	62238	4.52	ug/l	99
49) Methyl methacrylate	9.29	41	43248	4.10	ug/l #	86
50) 1,4-Dioxane	9.31	88	10976	88.76	ug/l	92
52) 4-Methyl-2-Pentanone	10.07	43	234397	20.95	ug/l	97
53) Toluene	10.26	92	110426	4.88	ug/l	96
54) t-1,3-Dichloropropene	10.47	75	65706	4.25	ug/l	97
55) cis-1,3-Dichloropropene	9.93	75	74940	4.46	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	39570	4.65	ug/l	96
57) Ethyl methacrylate	10.52	69	61081	4.26	ug/l #	90
58) 1,3-Dichloropropane	10.80	76	75418	4.78	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	136206	20.70	ug/l	96
60) 2-Hexanone	10.84	43	161716	21.23	ug/l	99
61) Dibromochloromethane	11.00	129	39557	4.55	ug/l	94
62) 1,2-Dibromoethane	11.11	107	37786	4.52	ug/l	98
65) Tetrachloroethene	10.74	164	30509	5.00	ug/l	92
66) Chlorobenzene	11.54	112	108300	4.81	ug/l	97
67) 1,1,1,2-Tetrachloroethane	11.62	131	37252	4.85	ug/l	97
68) Ethyl Benzene	11.62	91	201438	4.71	ug/l	98
69) m/p-Xylenes	11.73	106	138073	9.37	ug/l	93
70) o-Xylene	12.06	106	71462	4.84	ug/l	96
71) Styrene	12.07	104	105349	4.42	ug/l	92
72) Bromoform	12.24	173	23524	4.40	ug/l #	97
74) Isopropylbenzene	12.36	105	184480	5.00	ug/l	99
75) N-amyl acetate	12.17	43	67798	4.12	ug/l	98
76) 1,1,2,2-Tetrachloroethane	12.61	83	50905	4.65	ug/l	100
77) 1,2,3-Trichloropropane	12.66	75	45598m	4.51	ug/l	
78) Bromobenzene	12.64	156	36148	5.00	ug/l	96
79) n-propylbenzene	12.71	91	210343	4.85	ug/l	96
80) 2-Chlorotoluene	12.79	91	133127	5.11	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	145386	4.90	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	17472	4.24	ug/l	92
83) 4-Chlorotoluene	12.89	91	122161	4.77	ug/l	97
84) tert-Butylbenzene	13.11	119	121493	4.97	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	144262	4.85	ug/l	97
86) sec-Butylbenzene	13.29	105	171311	4.78	ug/l	99
87) p-Isopropyltoluene	13.41	119	127872	4.63	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	60062	4.85	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	57704	4.60	ug/l	86
90) n-Butylbenzene	13.74	91	119220	4.45	ug/l	98
91) Hexachloroethane	14.01	117	27315	4.52	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	60545	4.95	ug/l	95

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

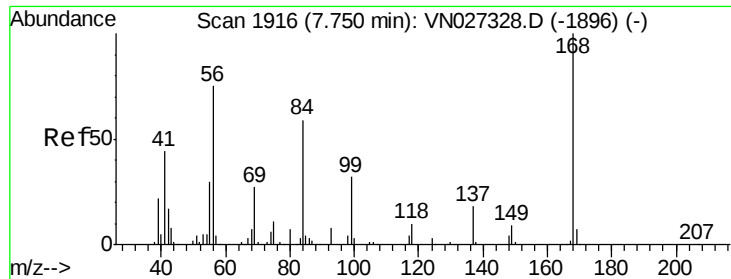
Manual Integrations
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Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N092115W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 21 12:16:44 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	8887	3.71	ug/l	81
94) 1,2,4-Trichlorobenzene	15.05	180	24629	3.73	ug/l	92
95) Hexachlorobutadiene	15.16	225	17275	4.96	ug/l	97
96) Naphthalene	15.29	128	64055	3.31	ug/l	98
97) 1,2,3-Trichlorobenzene	15.48	180	25341	3.86	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 626960

Ion Ratio Lower Upper

168 100

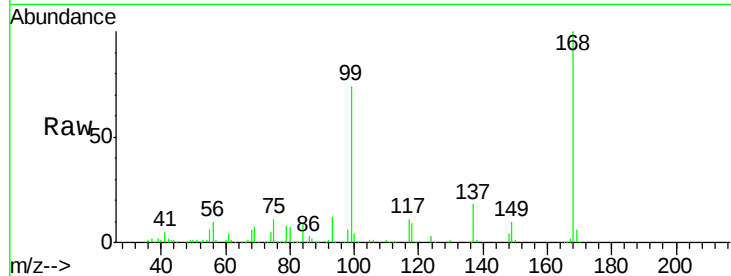
99 73.4 50.4 75.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

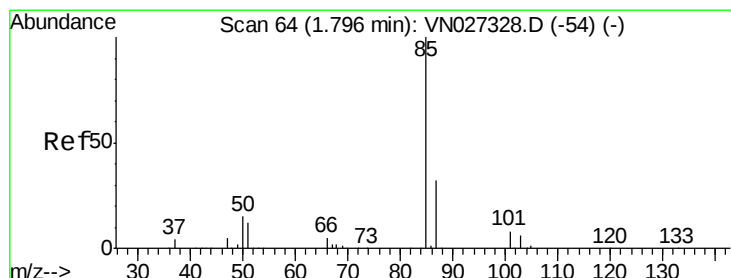
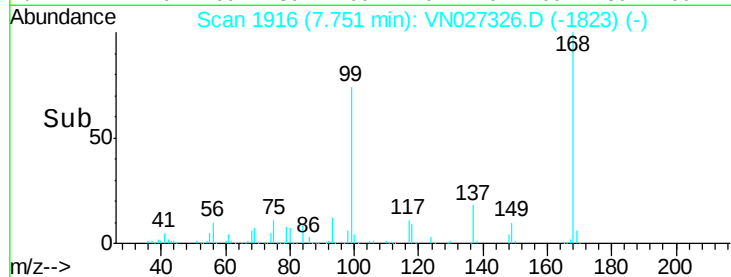
100000

50000

0

7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 4.37 ug/l

RT: 1.80 min Scan# 64

Delta R.T. 0.00 min

Lab File: VN027326.D

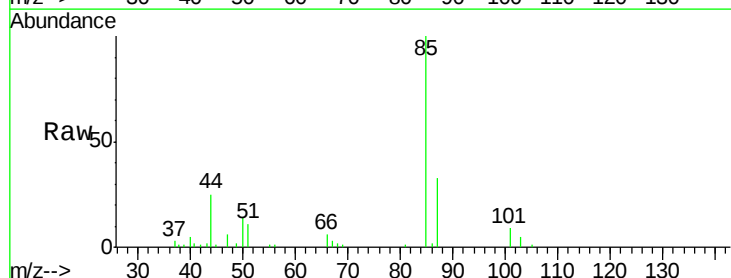
Acq: 21 Sep 2015 10:46

Tgt Ion: 85 Resp: 32805

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.80

25000

20000

15000

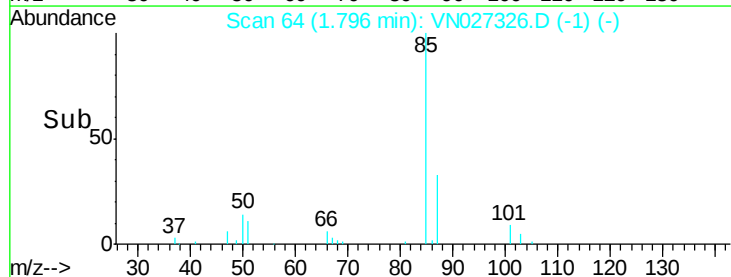
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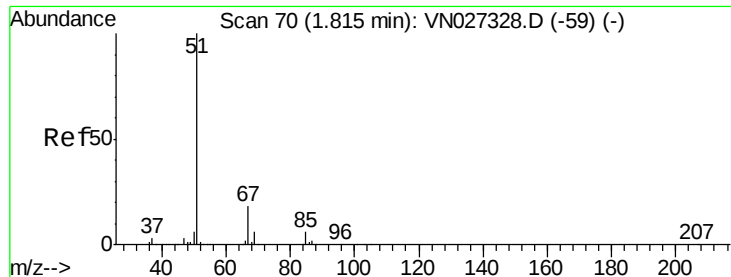
5000

0

1.75 1.80 1.85

Time-->





#3

Chlorodifluoromethane

Concen: 4.35 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 51 Resp: 37727

Ion Ratio Lower Upper

51 100

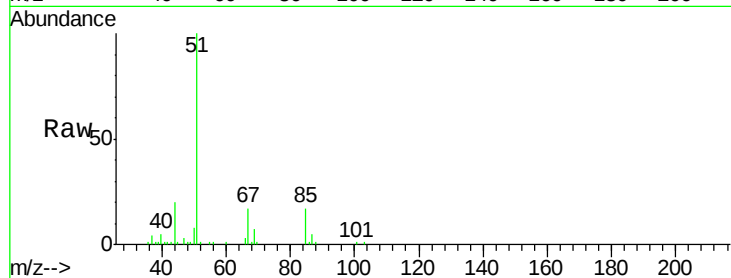
67 17.8 12.2 18.2

Manual Integrations

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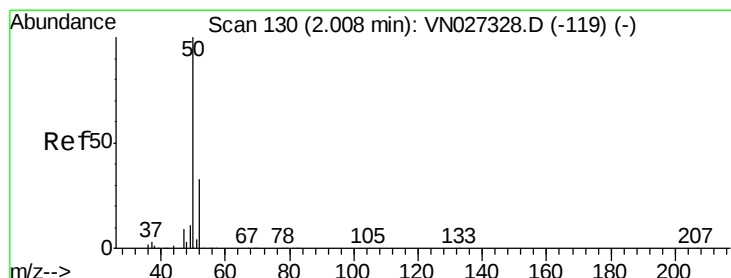
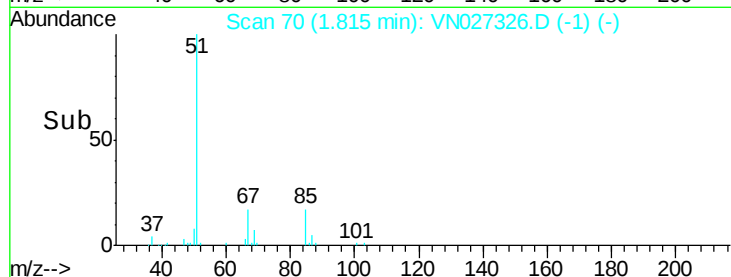
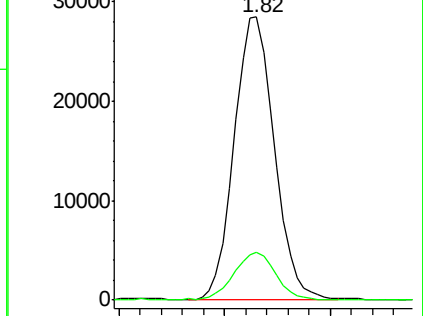
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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0



#4

Chloromethane

Concen: 4.17 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027326.D

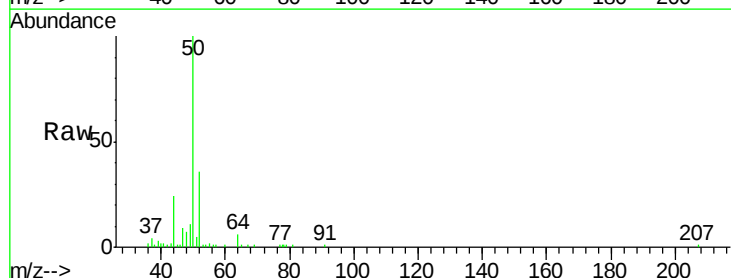
Acq: 21 Sep 2015 10:46

Tgt Ion: 50 Resp: 37628

Ion Ratio Lower Upper

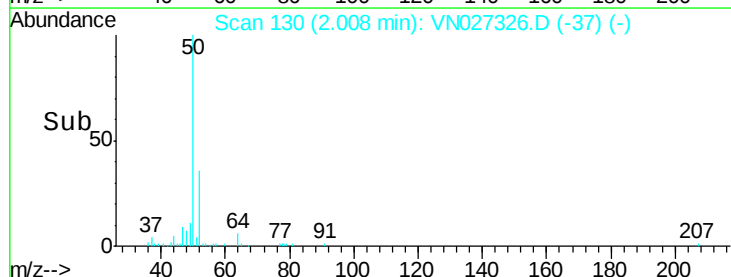
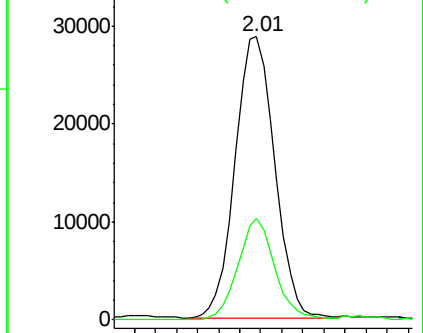
50 100

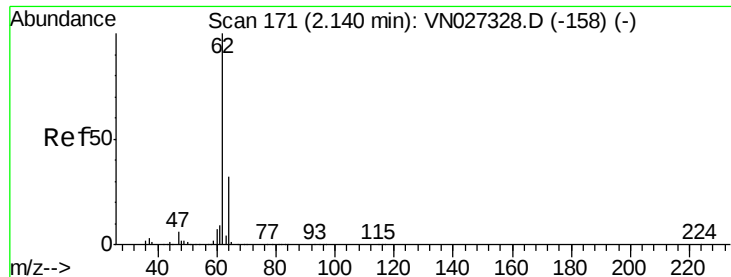
52 35.9 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0





#5

Vinyl Chloride

Concen: 4.67 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 62 Resp: 41416

Ion Ratio Lower Upper

62 100

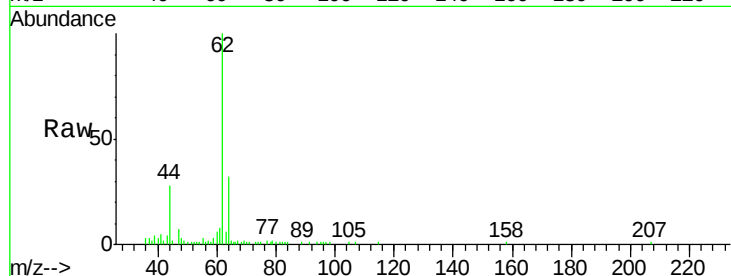
64 30.0 25.9 38.9

Manual Integrations

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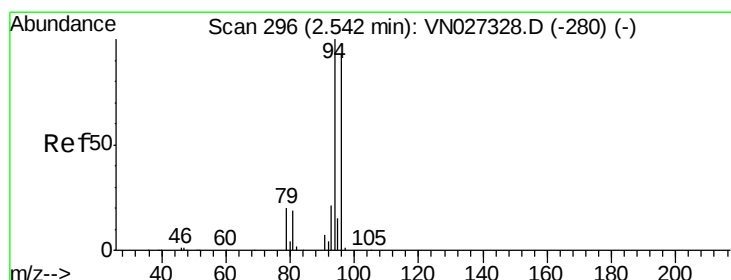
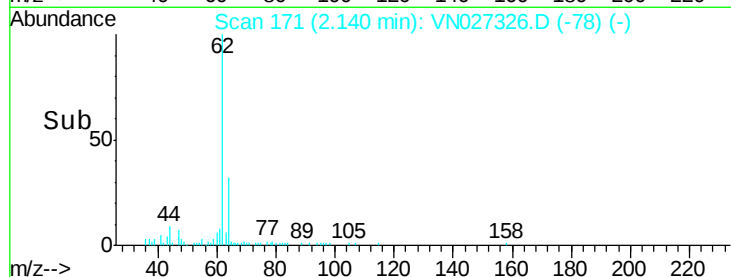
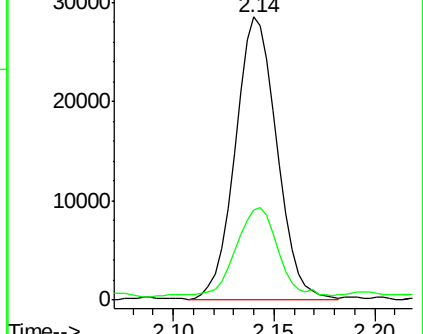
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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#6

Bromomethane

Concen: 3.57 ug/l

RT: 2.54 min Scan# 295

Delta R.T. -0.00 min

Lab File: VN027326.D

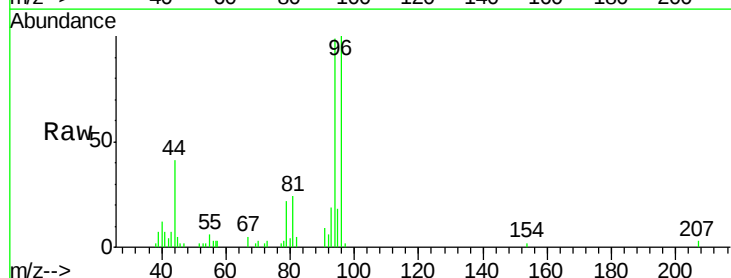
Acq: 21 Sep 2015 10:46

Tgt Ion: 94 Resp: 16091

Ion Ratio Lower Upper

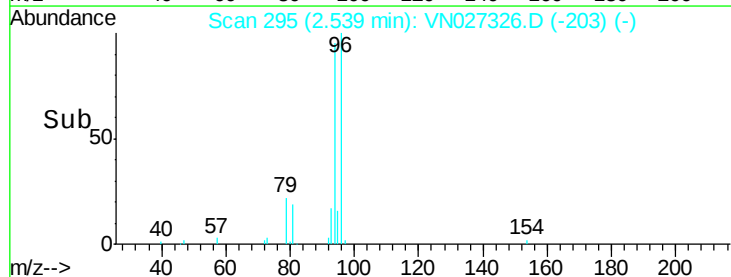
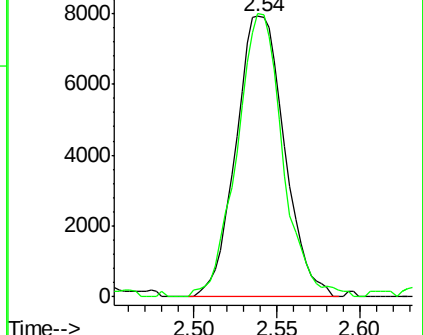
94 100

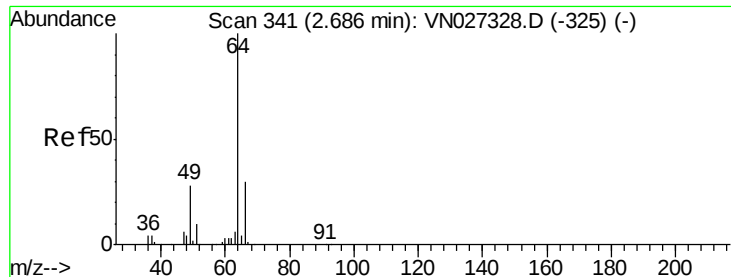
96 100.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#7

Chloroethane

Concen: 4.44 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 64 Resp: 26715

Ion Ratio Lower Upper

64 100

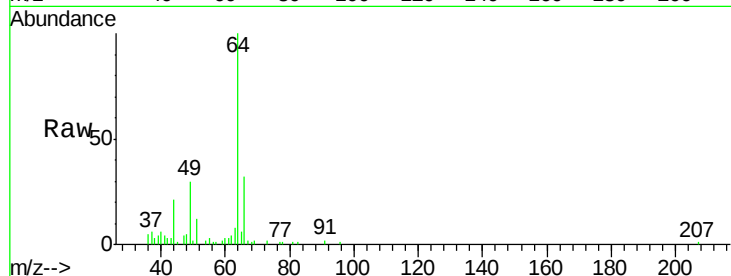
66 31.7 25.5 38.3

Manual Integrations

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Abundance Ion 63.90 (63.60 to 64.60): VN027326.D (-248) (-)

Ion 65.90 (65.60 to 66.60): VN027326.D (-248) (-)

2.69

15000

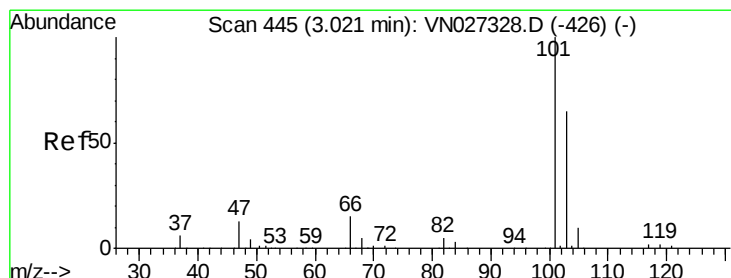
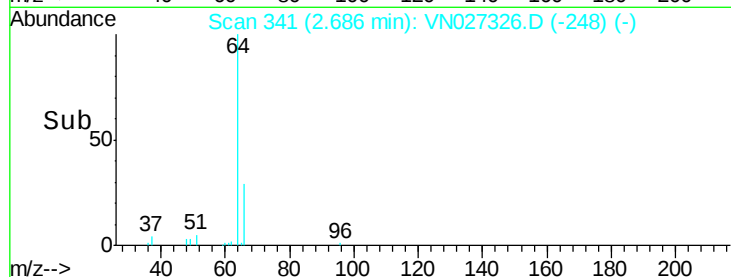
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5000

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Time-->

2.60 2.65 2.70 2.75



#8

Trichlorofluoromethane

Concen: 4.66 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027326.D

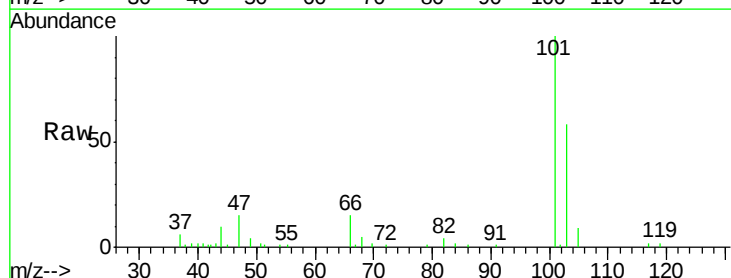
Acq: 21 Sep 2015 10:46

Tgt Ion:101 Resp: 62317

Ion Ratio Lower Upper

101 100

103 57.6 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): VN027326.D (-352) (-)

Ion 102.80 (102.50 to 103.50): VN027326.D (-352) (-)

3.02

30000

25000

20000

15000

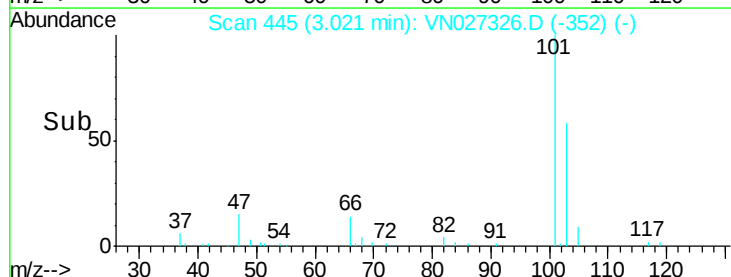
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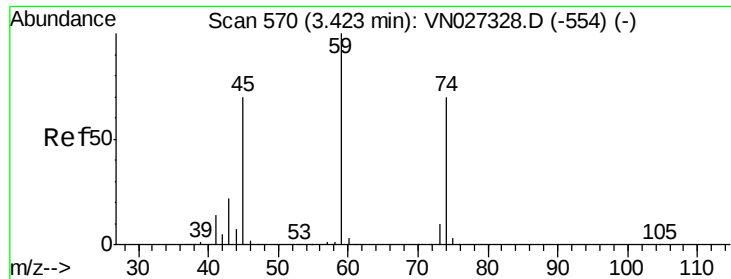
5000

0

Time-->

2.95 3.00 3.05 3.10





#9

Diethyl Ether

Concen: 4.26 ug/l

RT: 3.43 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion: 74 Resp: 26235

Ion Ratio Lower Upper

74 100

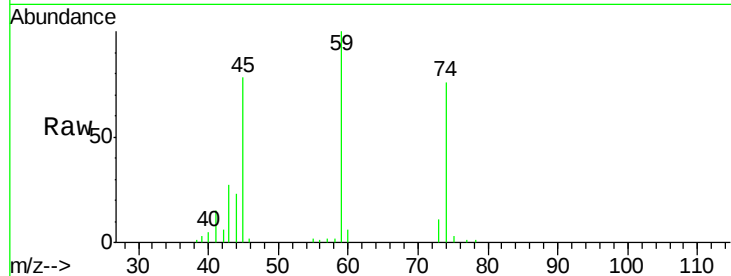
45 107.8 58.1 174.3

Manual Integrations

APPROVED

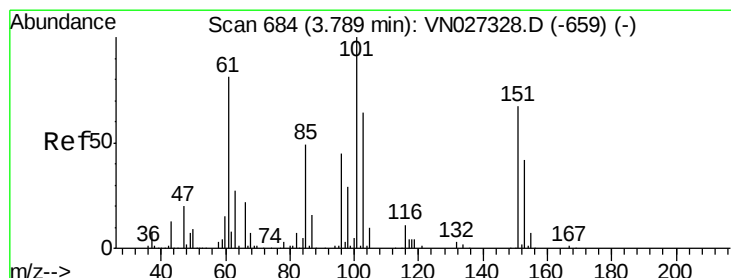
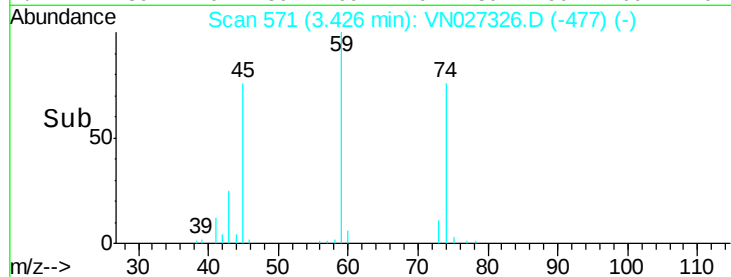
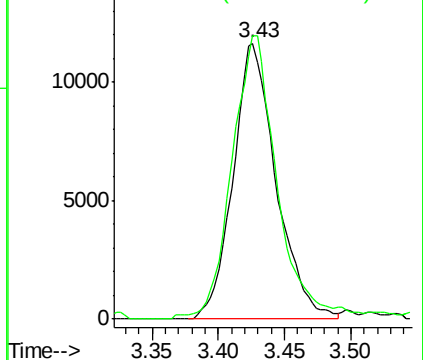
MMDadoda

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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: 4.71 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

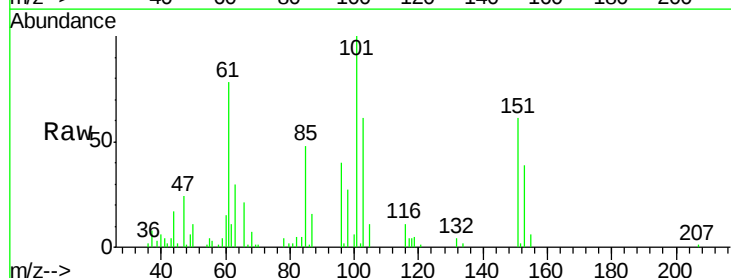
Tgt Ion: 101 Resp: 39582

Ion Ratio Lower Upper

101 100

85 51.0 37.4 56.0

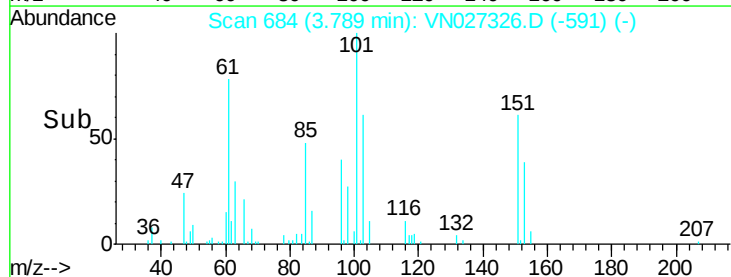
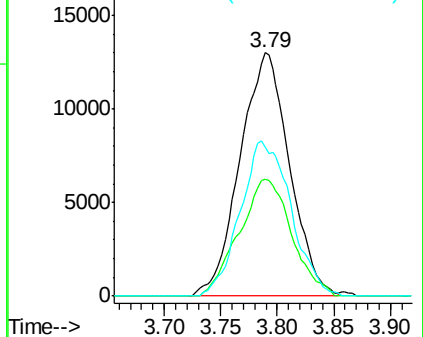
151 65.2 55.9 83.9

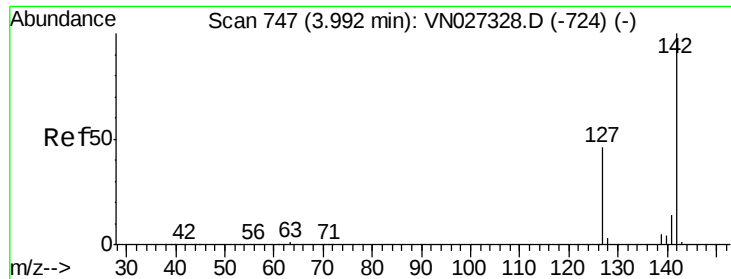


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V





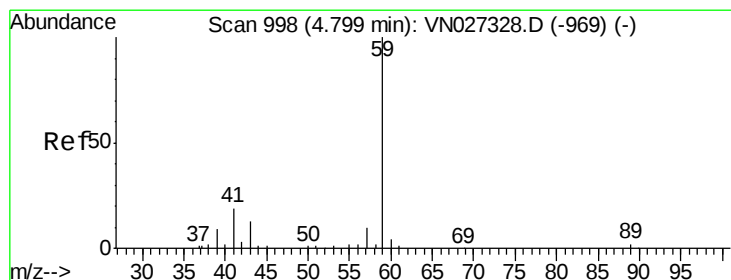
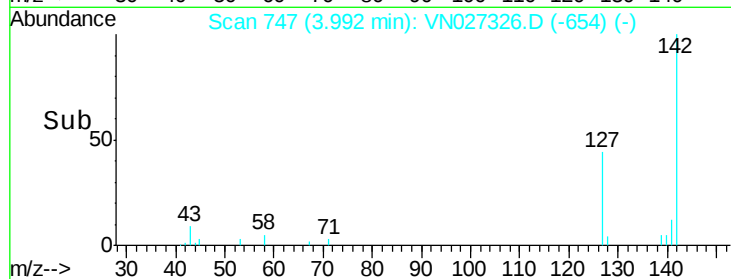
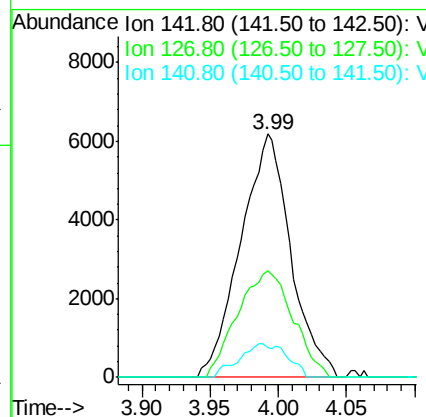
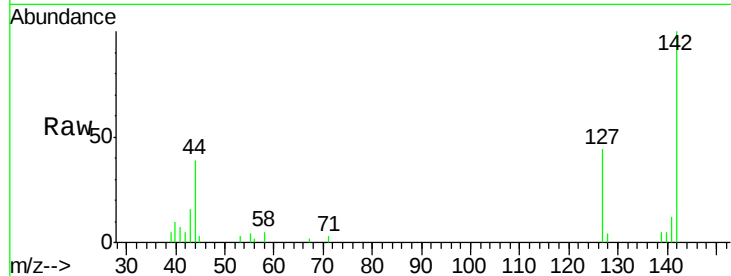
#11
Methvl Iodide
Concen: 1.93 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.4	32.3	48.5
141	13.2	11.2	16.8

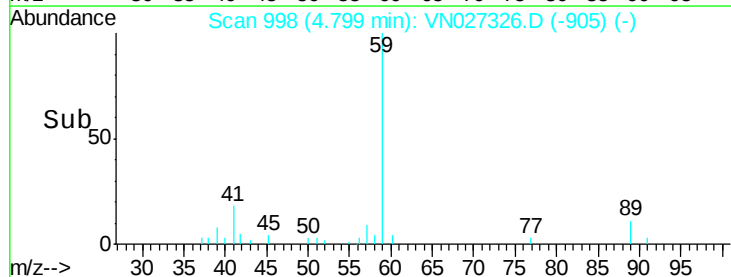
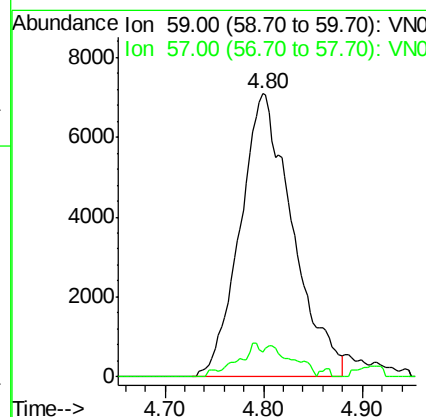
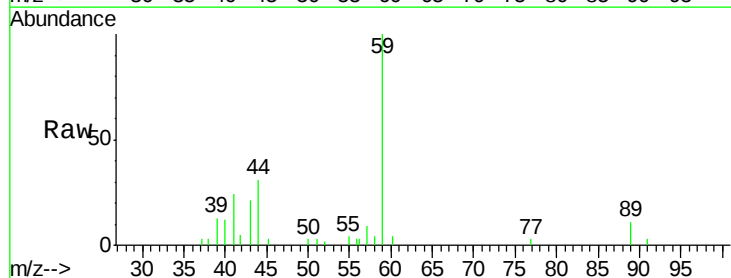
Manual Integrations
APPROVED

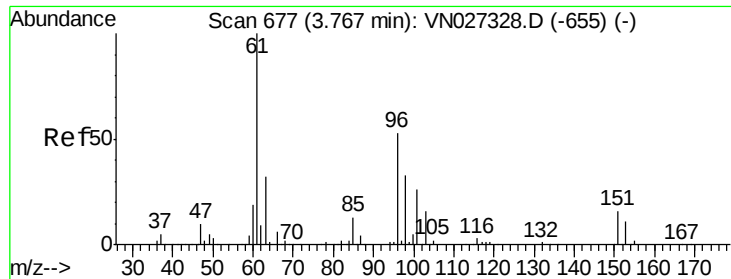
MMDadoda
9/22/2015 2:27:45 PM



#12
Tert butyl alcohol
Concen: 20.81 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
59	100		
57	3.5	7.6	11.4#





#13

1,1-Dichloroethene

Concen: 4.46 ug/l

RT: 3.77 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

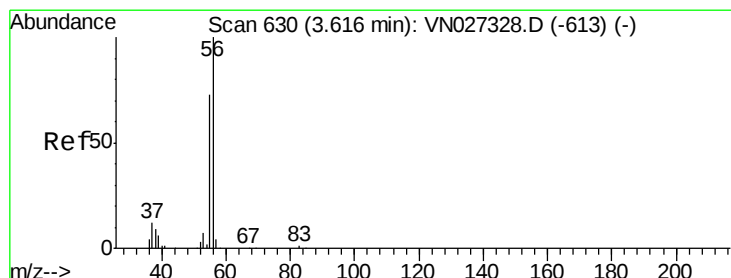
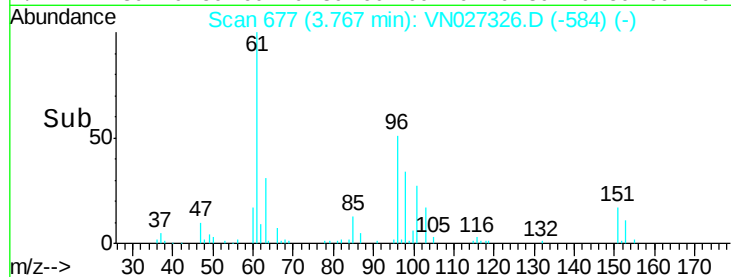
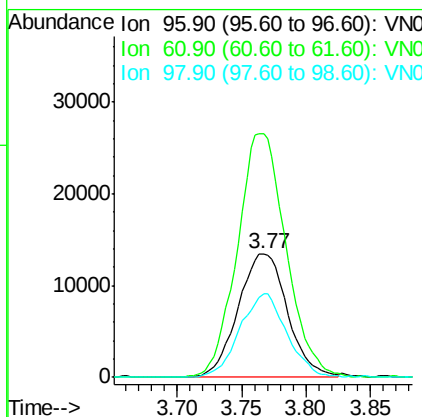
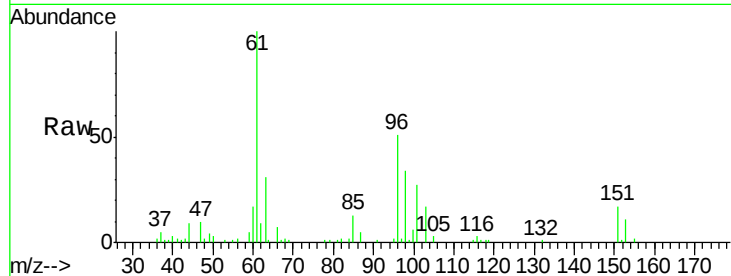
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	35922
Ion Ratio	Lower	Upper	
96	100		
61	196.1	143.8	215.8
98	68.1	50.3	75.5

Manual Integrations
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9/22/2015 2:27:45 PM



#14

Acrolein

Concen: 16.86 ug/l

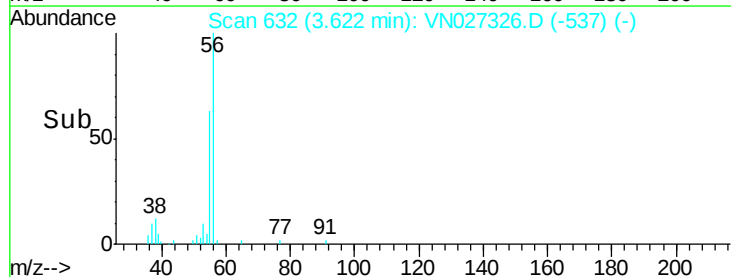
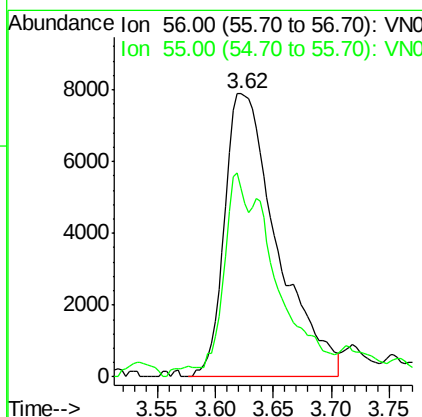
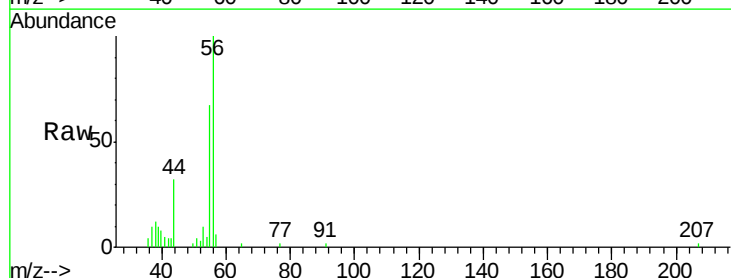
RT: 3.62 min Scan# 632

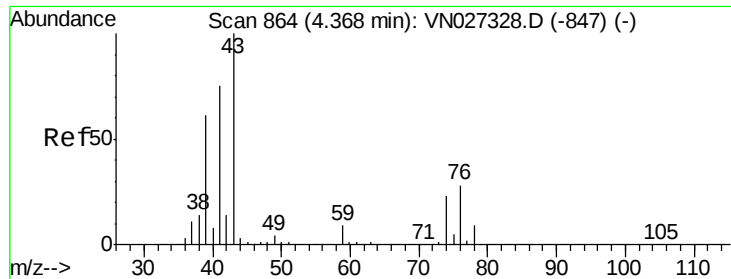
Delta R.T. 0.01 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Tgt Ion:	56	Resp:	24885
Ion Ratio	Lower	Upper	
56	100		
55	29.0	55.7	83.5#





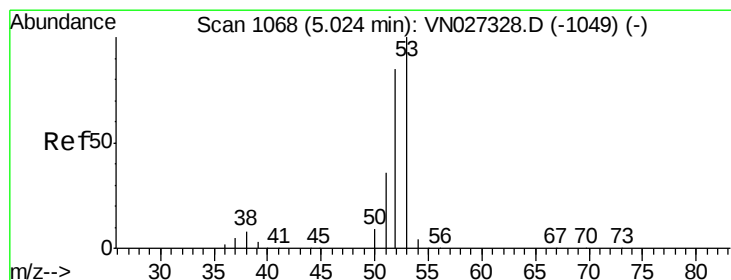
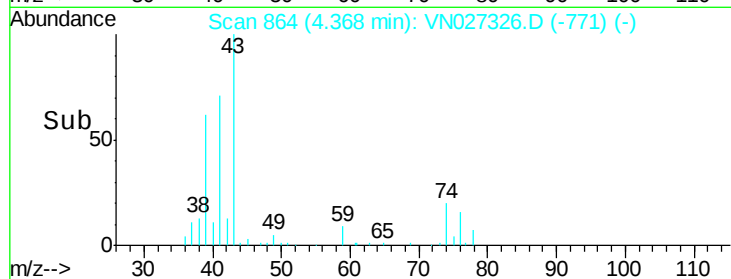
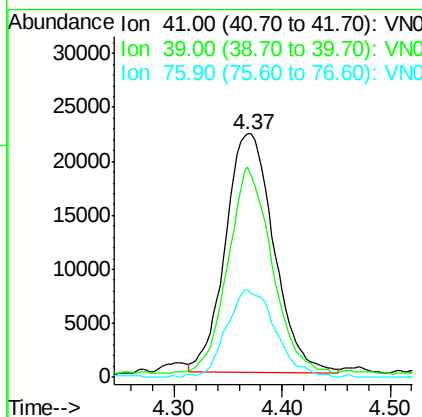
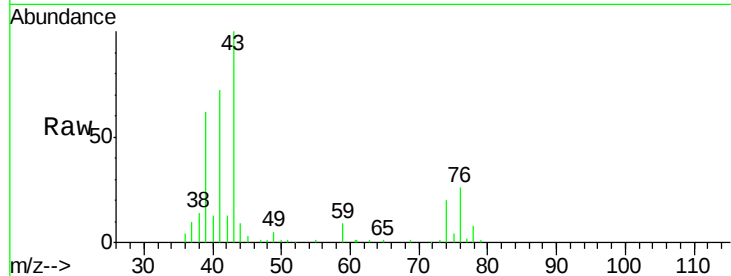
#15
Allvl chloride
Concen: 4.25 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
39	78.3	49.7	74.5#
76	36.9	24.8	37.2

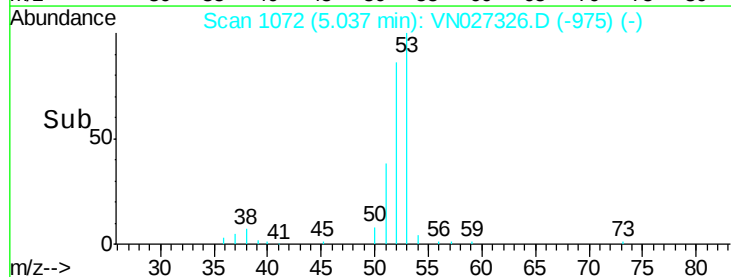
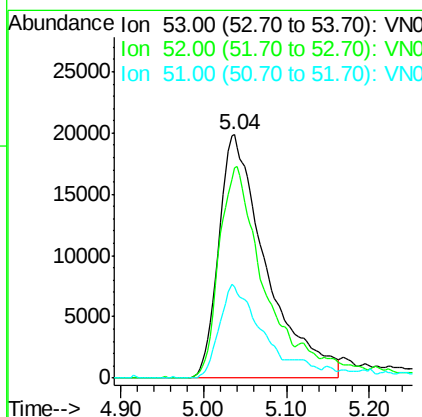
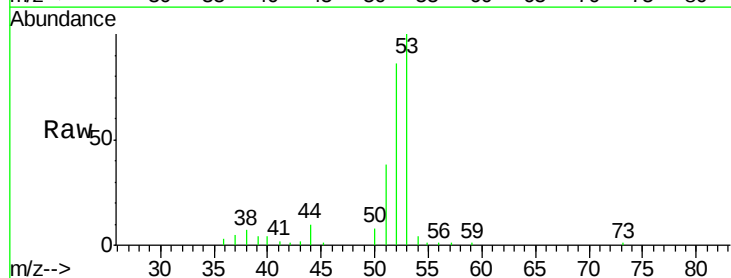
Manual Integrations
APPROVED

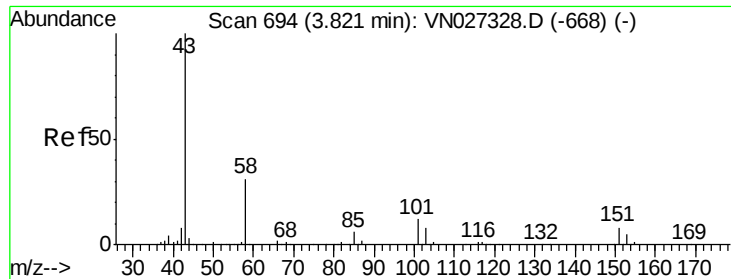
MMDadoda
9/22/2015 2:27:45 PM



#16
Acrylonitrile
Concen: 19.16 ug/l
RT: 5.04 min Scan# 1072
Delta R.T. 0.01 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
53	100		
52	76.3	66.9	100.3
51	31.8	27.4	41.0





#17

Acetone

Concen: 24.23 ug/l

RT: 3.83 min Scan# 698

Delta R.T. 0.01 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 83910

Ion Ratio Lower Upper

43 100

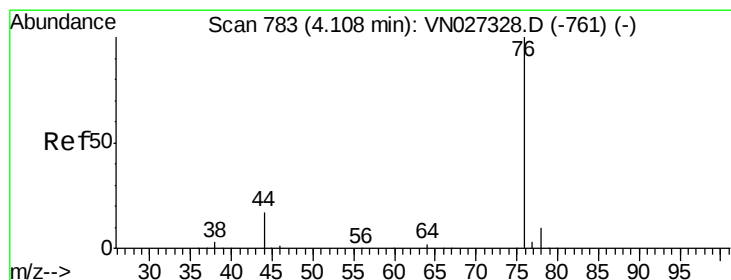
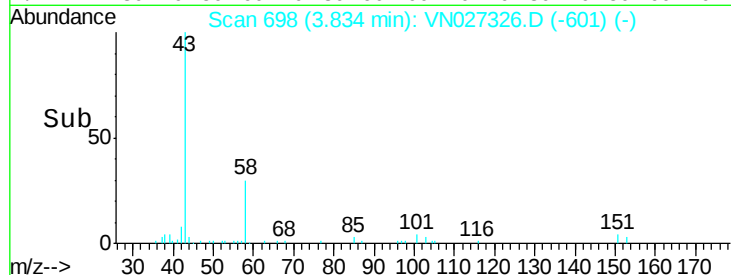
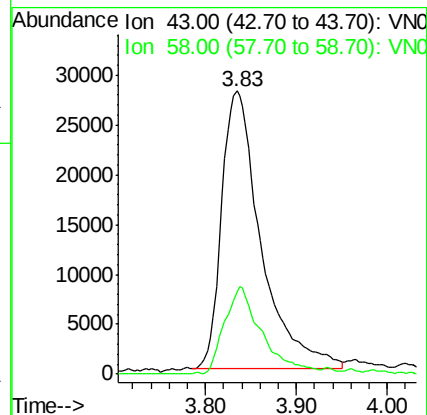
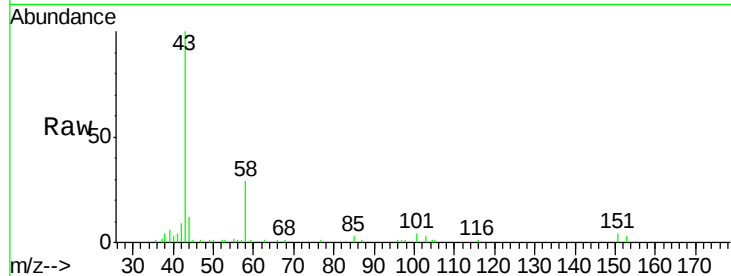
58 29.7 25.4 38.0

Manual Integrations

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MMDadoda

9/22/2015 2:27:45 PM



#18

Carbon Disulfide

Concen: 4.17 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027326.D

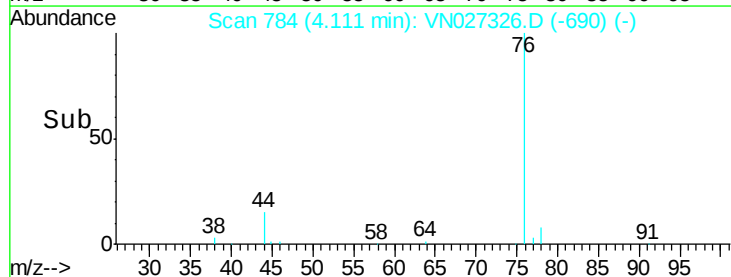
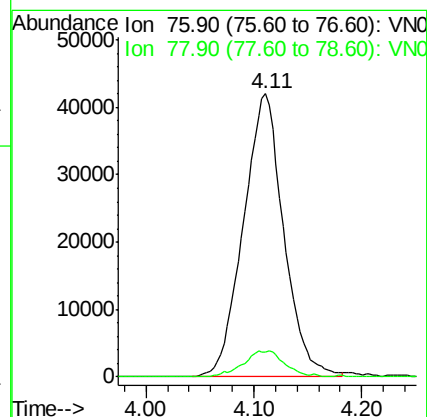
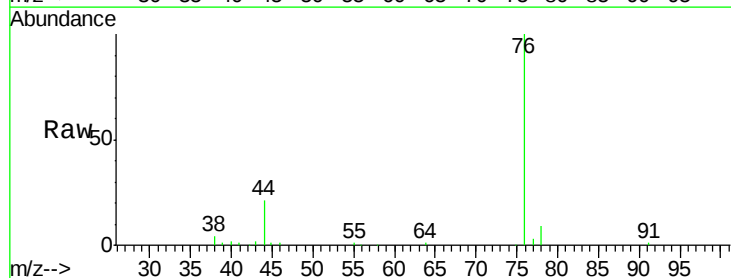
Acq: 21 Sep 2015 10:46

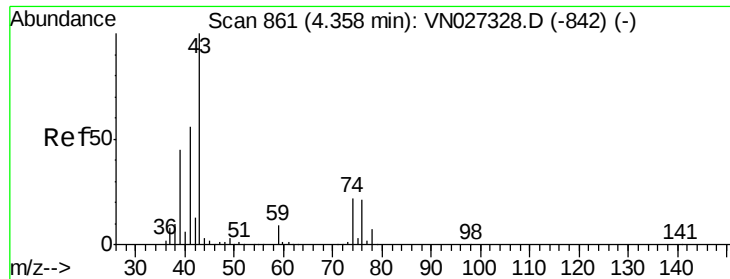
Tgt Ion: 76 Resp: 109214

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7





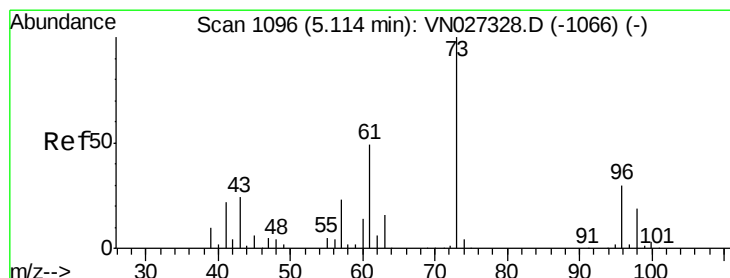
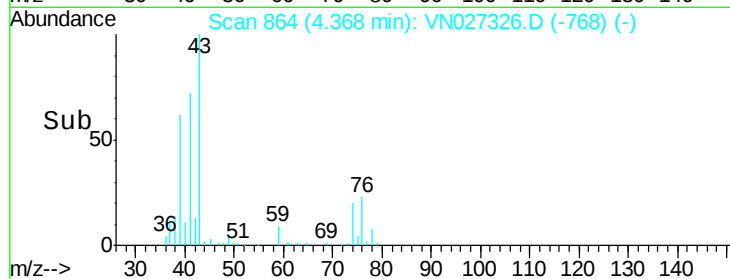
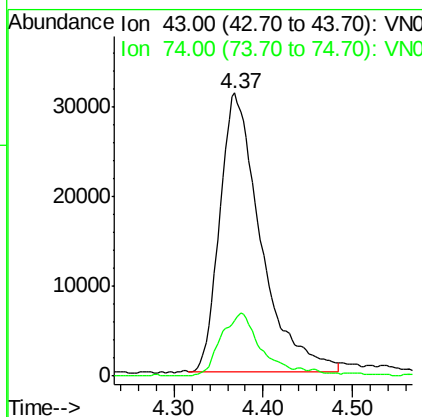
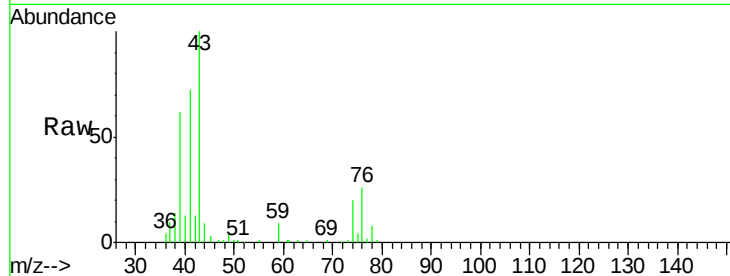
#19
Methyl Acetate
Concen: 3.94 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.01 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 98809
Ion Ratio Lower Upper
43 100
74 21.6 16.2 24.2

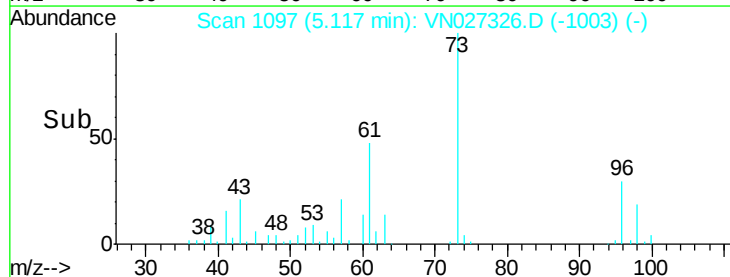
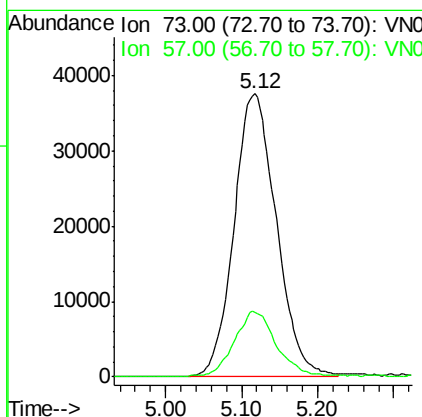
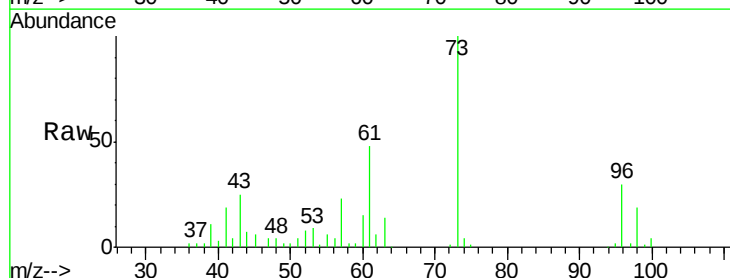
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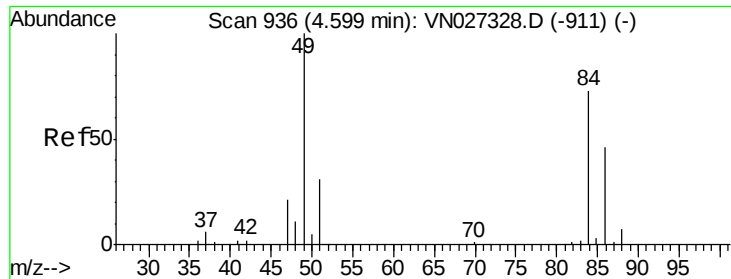
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 4.49 ug/l
RT: 5.12 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion: 73 Resp: 145145
Ion Ratio Lower Upper
73 100
57 22.8 19.8 29.6





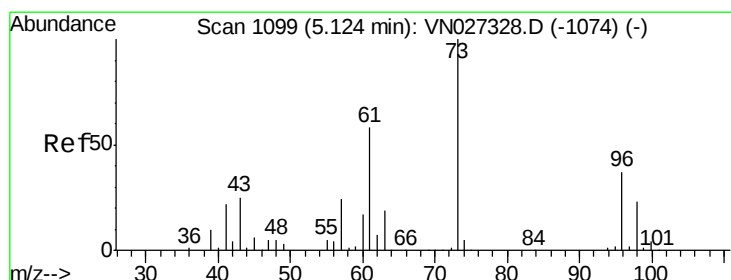
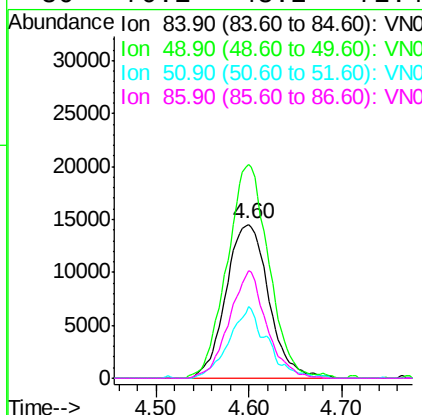
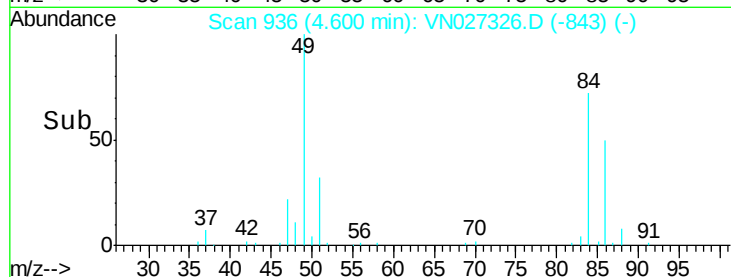
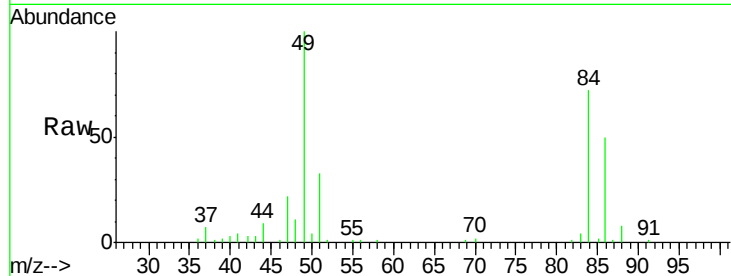
#21
Methvlene Chloride
Concen: 4.82 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:	84	Resp:	46475
Ion	Ratio	Lower	Upper
84	100		
49	138.9	112.3	168.5
51	46.3	33.8	50.8
86	70.1	48.2	72.4

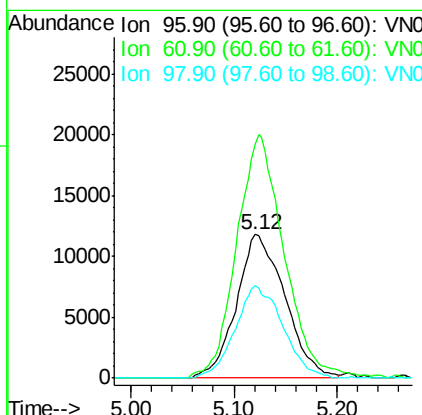
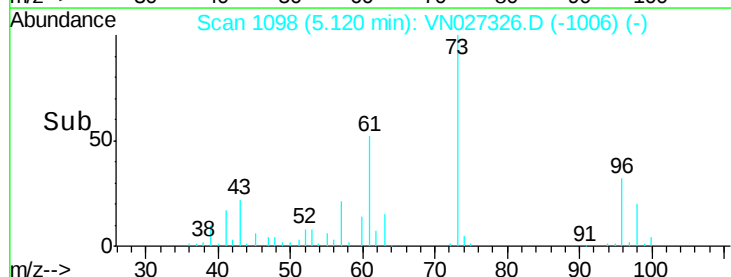
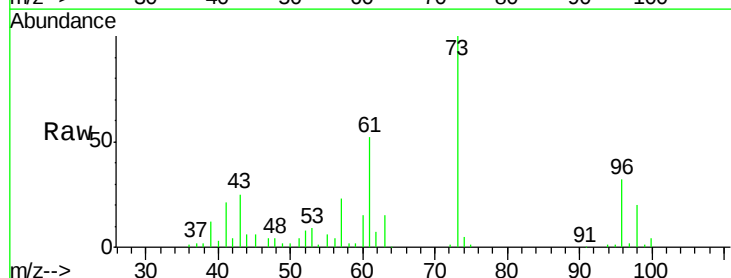
Manual Integrations
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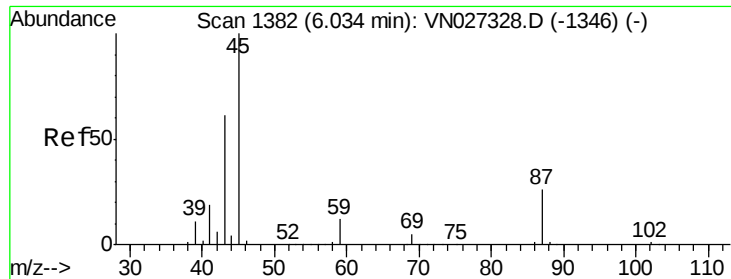
MMDadoda
9/22/2015 2:27:45 PM



#22
trans-1,2-Dichloroethene
Concen: 4.43 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion:	96	Resp:	38552
Ion	Ratio	Lower	Upper
96	100		
61	163.2	126.6	189.8
98	64.2	47.4	71.2





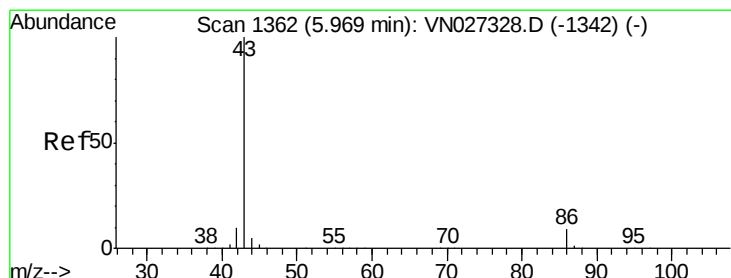
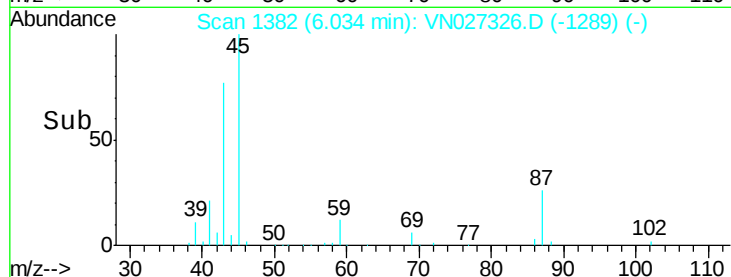
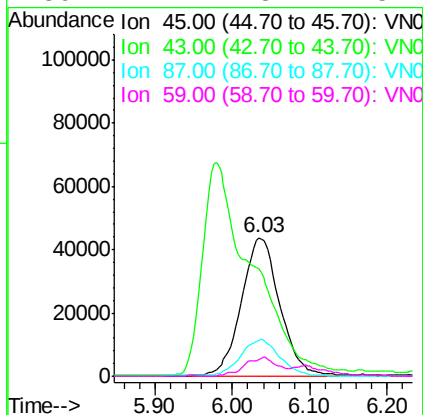
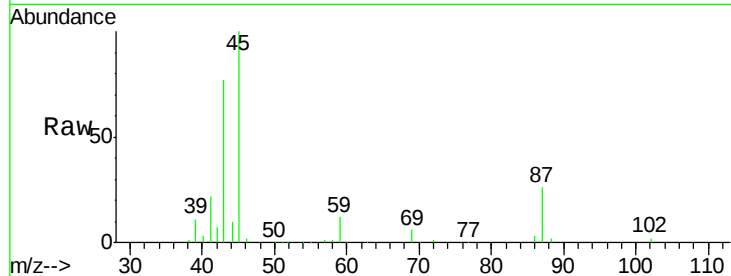
#23
Diisopropyl ether
Concen: 4.44 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
45	100		
43	72.8	41.0	61.6#
87	25.5	17.5	26.3
59	11.4	8.7	13.1

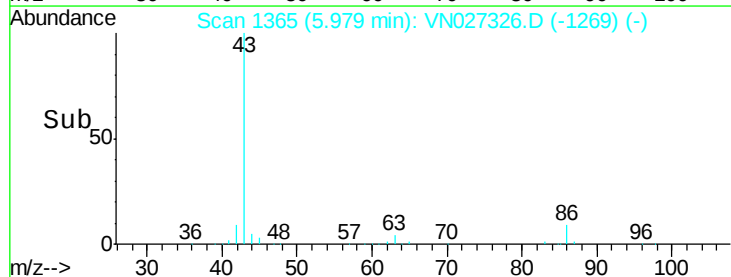
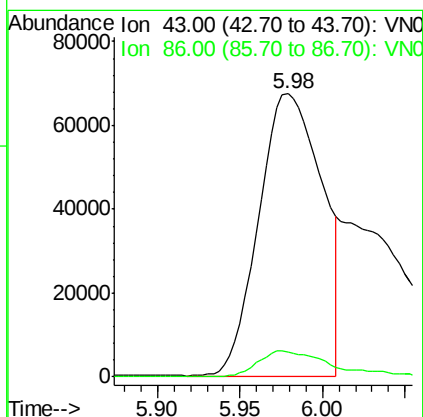
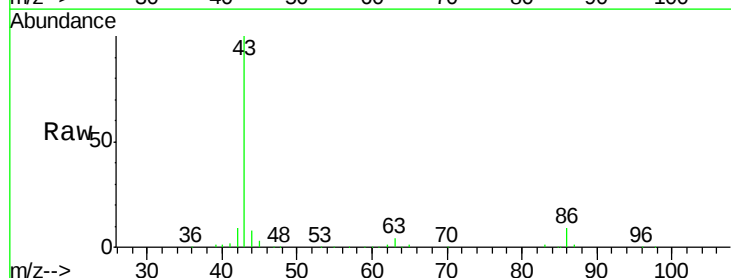
Manual Integrations
APPROVED

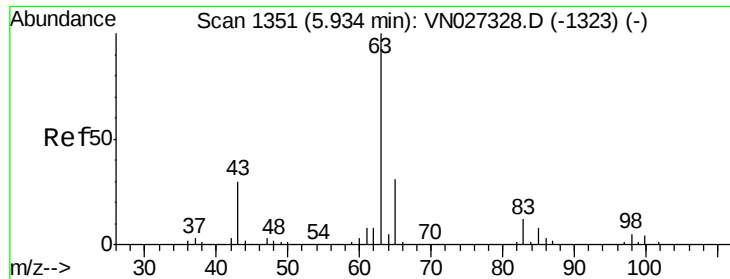
MMDadoda
9/22/2015 2:27:45 PM



#24
Vinyl Acetate
Concen: 15.98 ug/l m
RT: 5.98 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.9	6.9	10.3





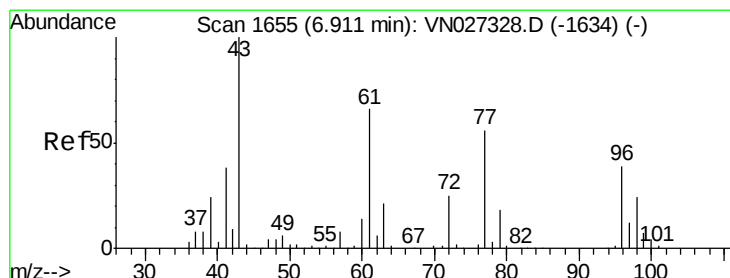
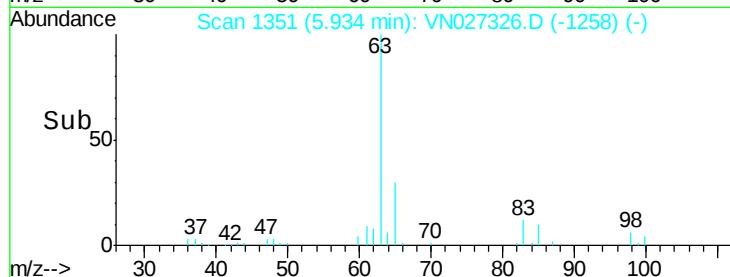
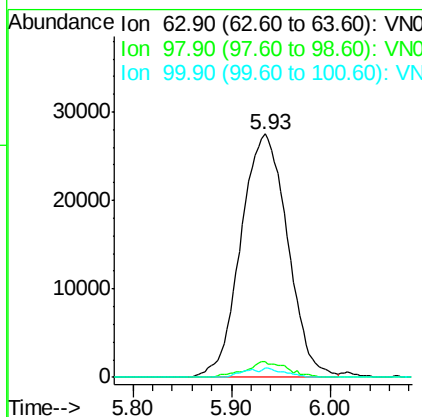
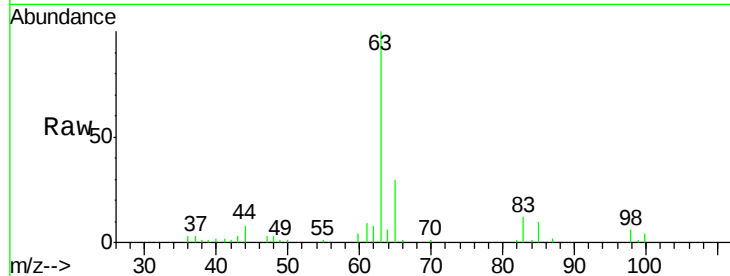
#25
 1,1-Dichloroethane
 Concen: 4.55 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
63	100			
98	6.2		2.8	8.3
100	3.7		1.7	5.0

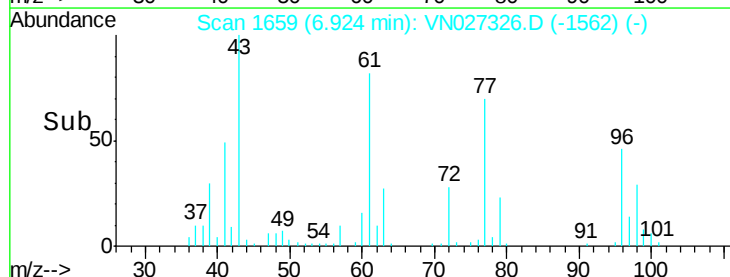
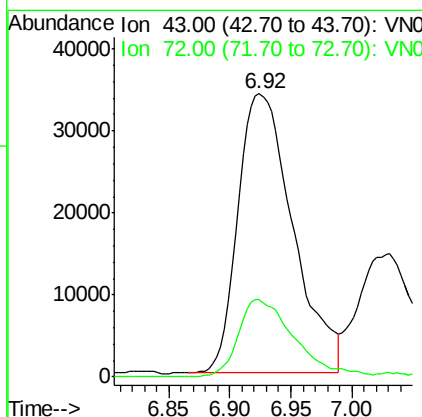
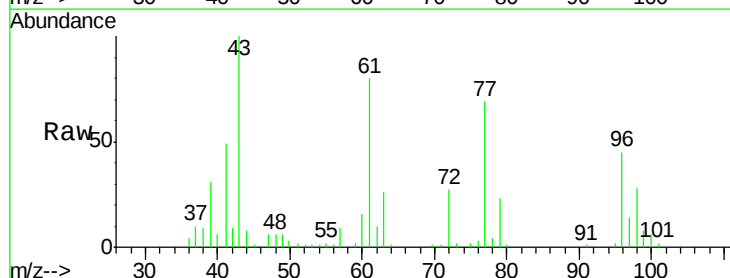
Manual Integrations
 APPROVED

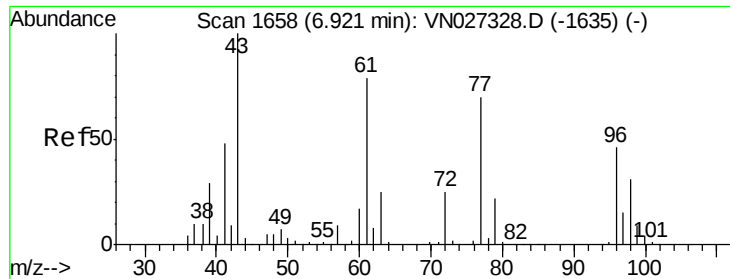
MMDadoda
 9/22/2015 2:27:45 PM



#26
 2-Butanone
 Concen: 20.45 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
72	27.5		18.8	28.2





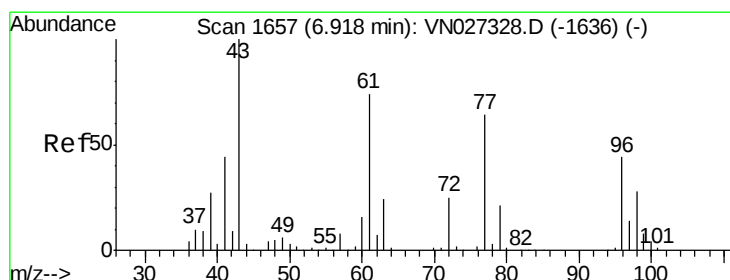
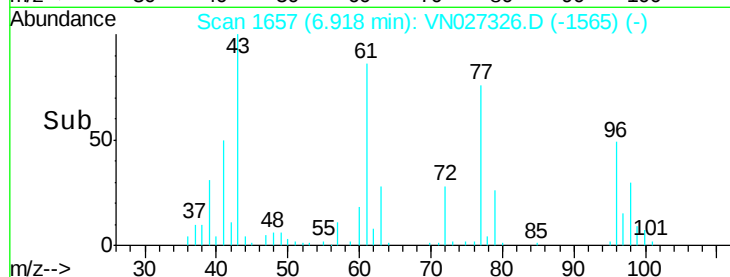
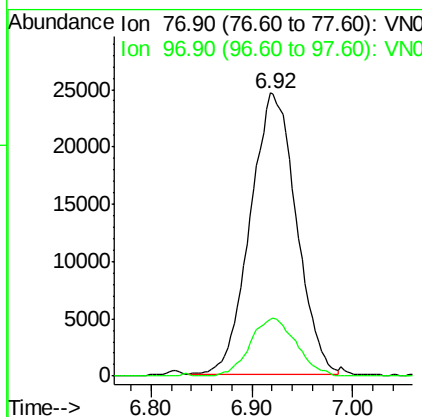
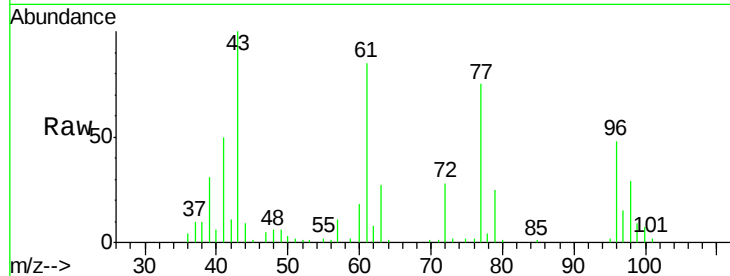
#27
 2,2-Dichloropropane
 Concen: 4.52 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 77 Resp: 77787
 Ion Ratio Lower Upper
 77 100
 97 20.6 11.8 35.3

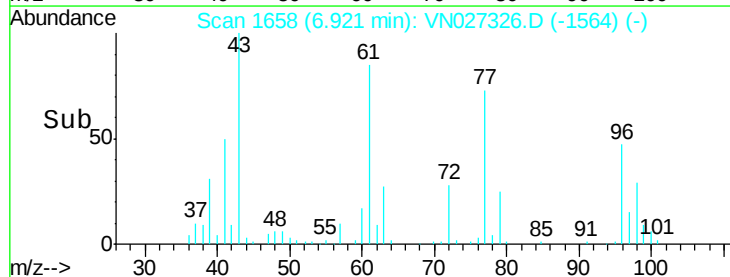
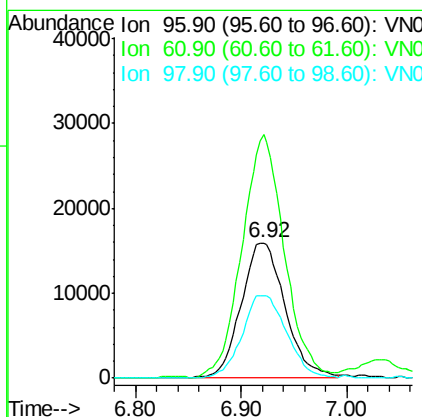
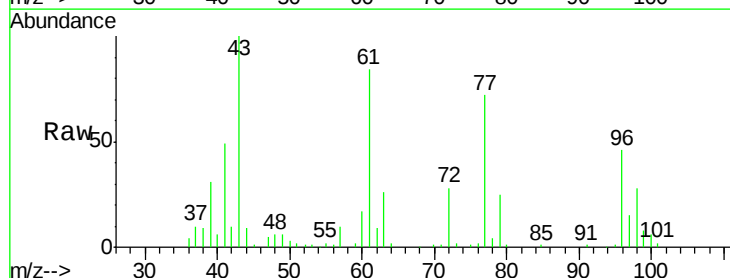
Manual Integrations
 APPROVED

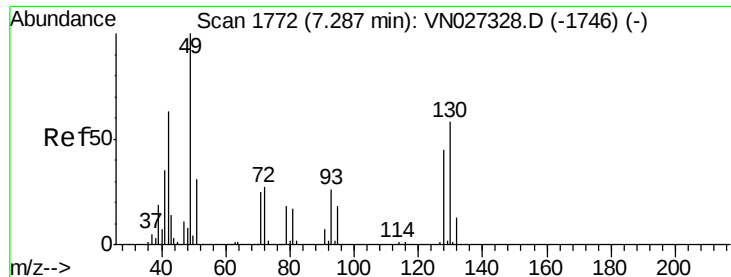
MMDadoda
 9/22/2015 2:27:45 PM



#28
 cis-1,2-Dichloroethene
 Concen: 4.63 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion: 96 Resp: 46241
 Ion Ratio Lower Upper
 96 100
 61 173.0 0.0 329.2
 98 62.0 0.0 126.0





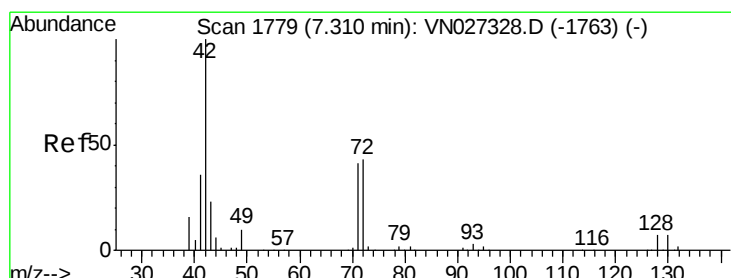
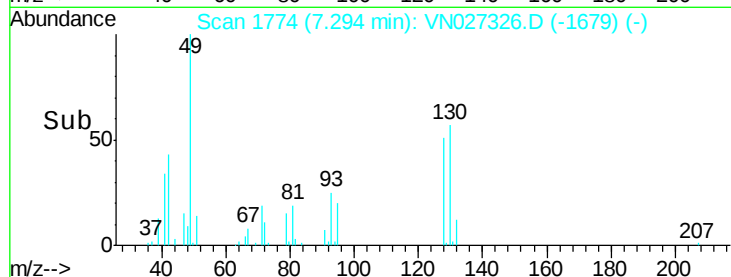
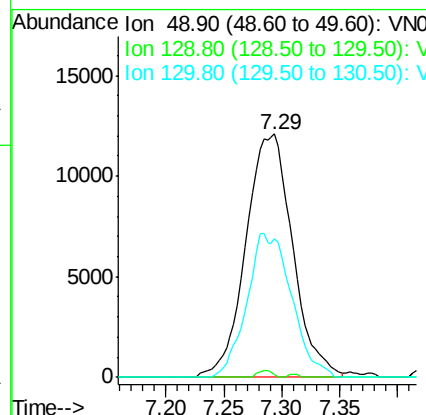
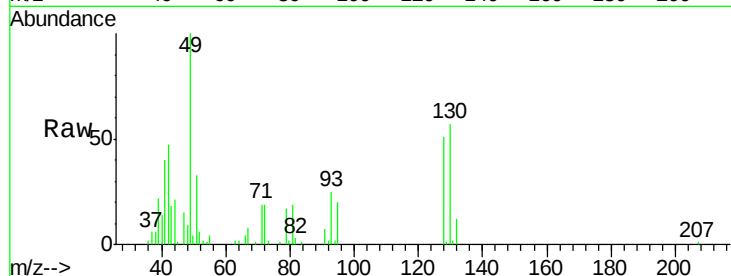
#29
Bromochloromethane
Concen: 4.41 ug/l
RT: 7.29 min Scan# 1774
Delta R.T. 0.01 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
49	100		
129	0.9	0.0	3.2
130	56.3	43.2	64.8

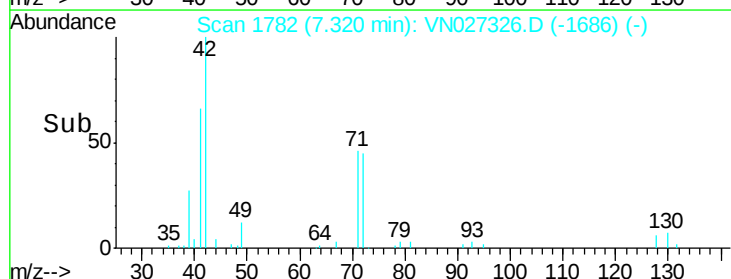
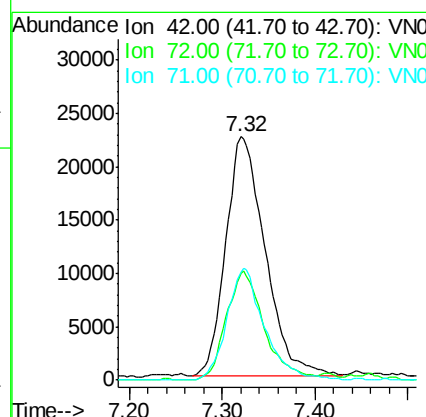
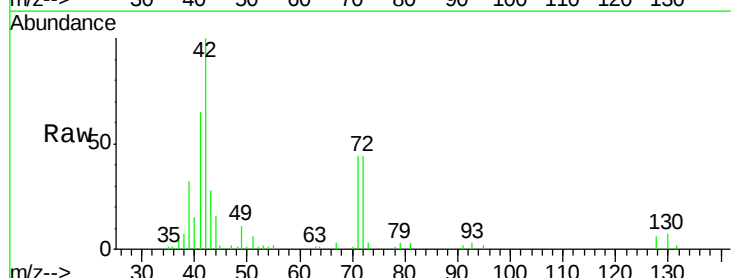
Manual Integrations
APPROVED

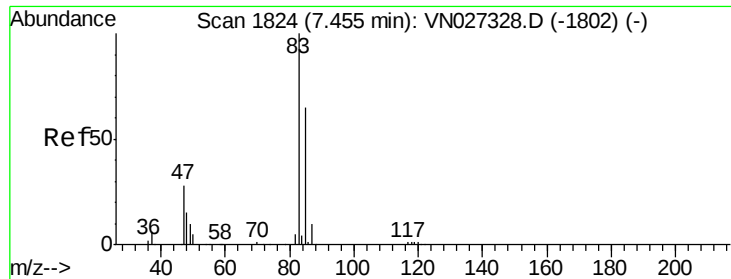
MMDadoda
9/22/2015 2:27:45 PM



#30
Tetrahydrofuran
Concen: 18.51 ug/l
RT: 7.32 min Scan# 1782
Delta R.T. 0.01 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.7	29.9	44.9
71	43.6	28.3	42.5





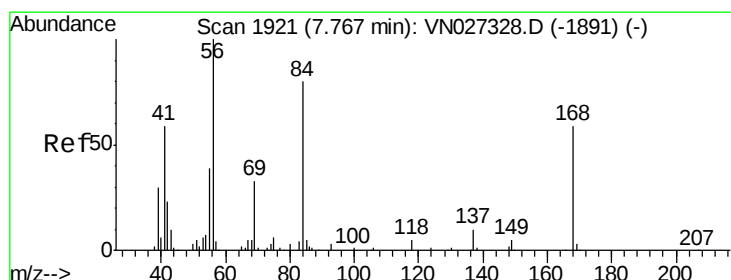
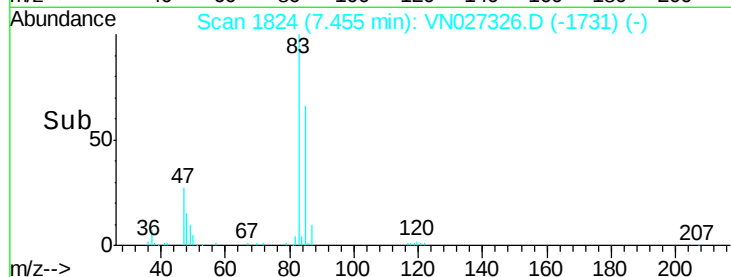
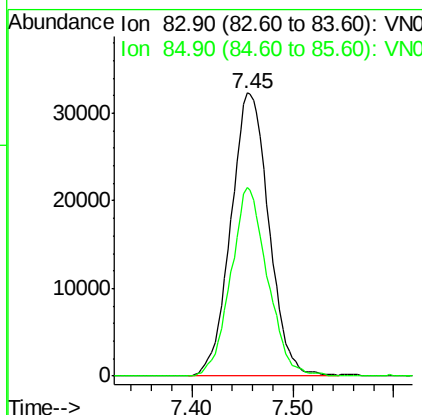
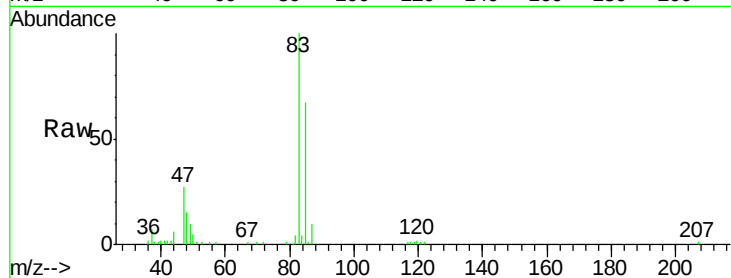
#31
Chloroform
Concen: 4.71 ug/l
RT: 7.45 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	84416
Ion Ratio	100	Lower	Upper
83	100		
85	66.8	51.1	76.7

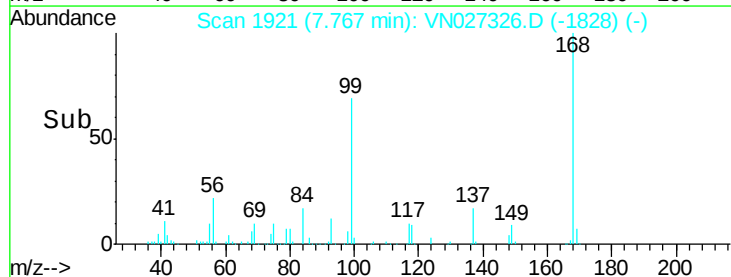
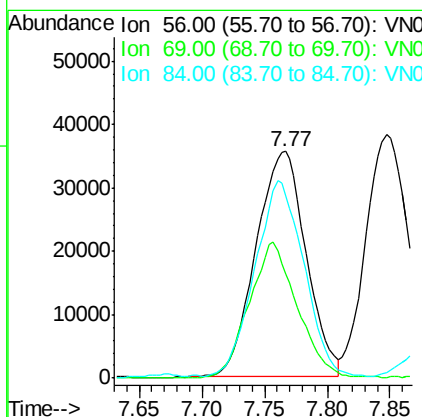
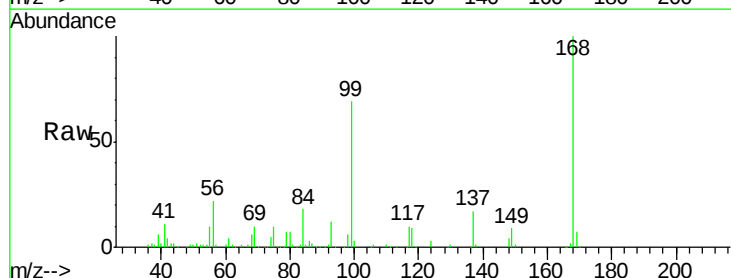
Manual Integrations
APPROVED

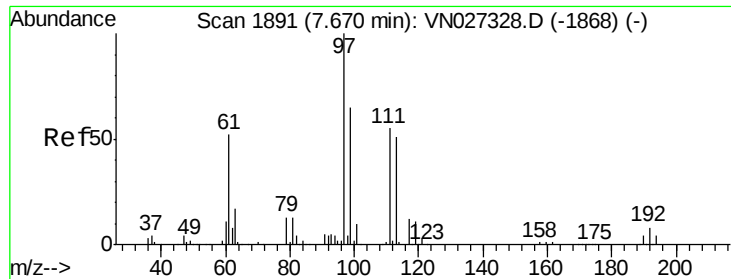
MMDadoda
9/22/2015 2:27:45 PM



#32
Cyclohexane
Concen: 4.50 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	56	Resp	99066
Ion Ratio	100	Lower	Upper
56	100		
69	46.3	23.0	34.4#
84	80.1	57.8	86.8





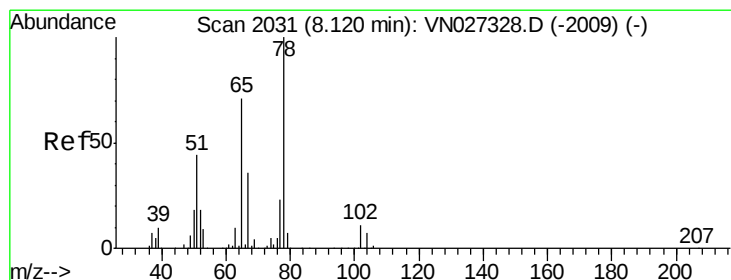
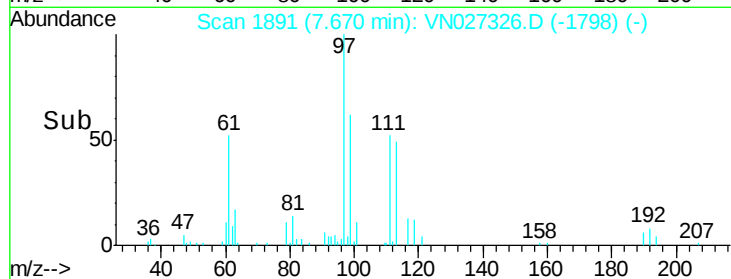
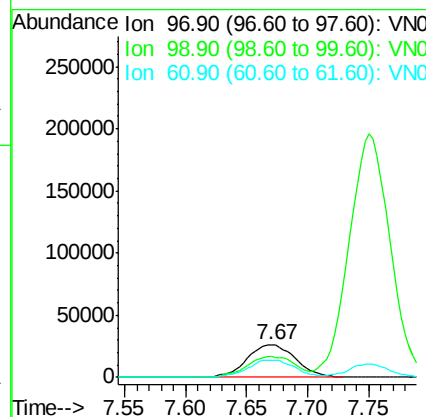
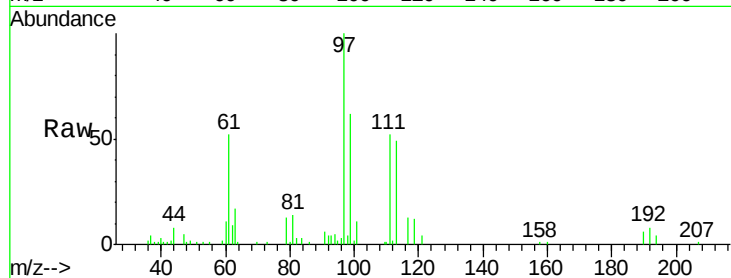
#33
 1,1,1-Trichloroethane
 Concen: 4.55 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.1	75.1
61	52.4	44.0	66.0

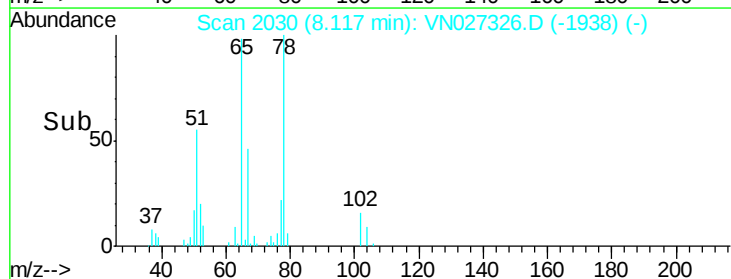
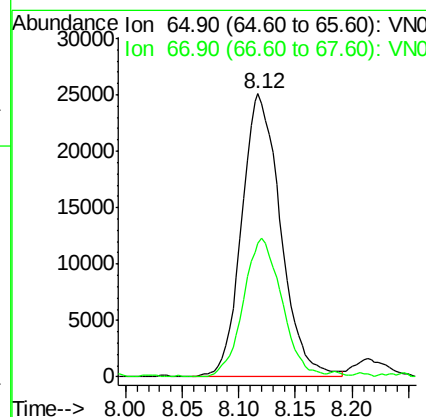
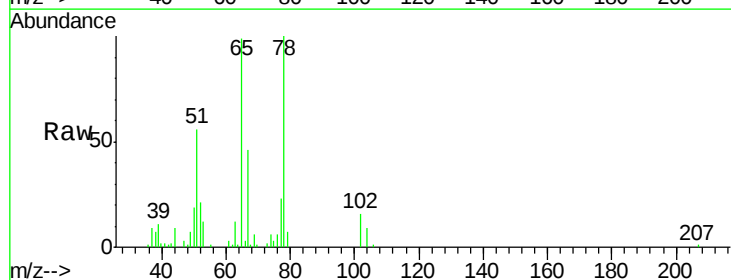
Manual Integrations
 APPROVED

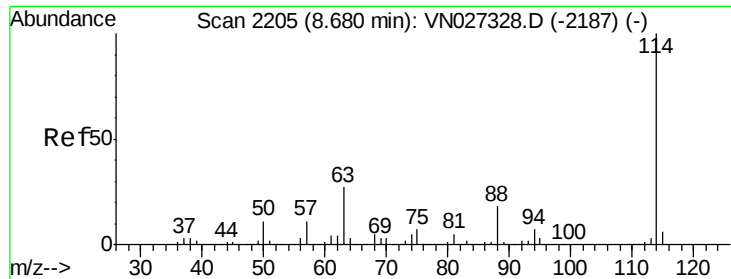
MMDadoda
 9/22/2015 2:27:45 PM



#34
 1,2-Dichloroethane-d4
 Concen: 4.68 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
65	100		
67	48.3	0.0	110.6





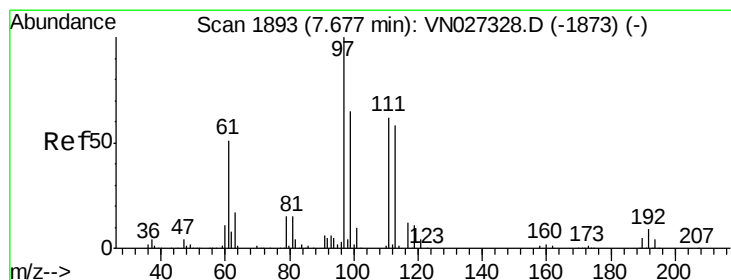
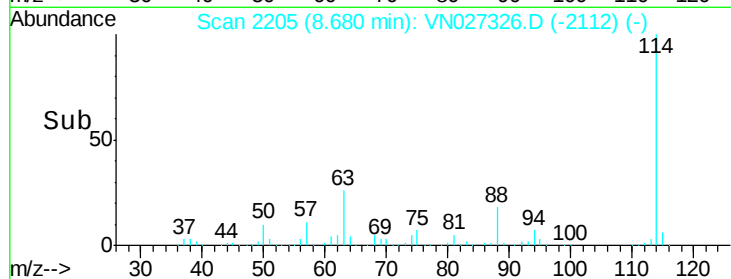
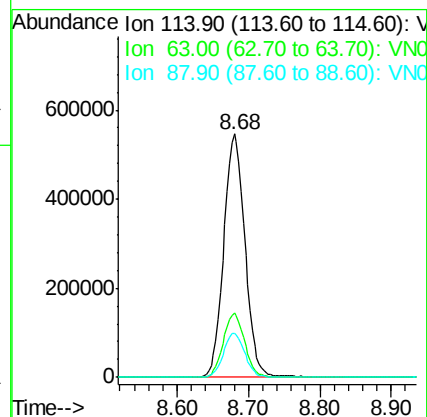
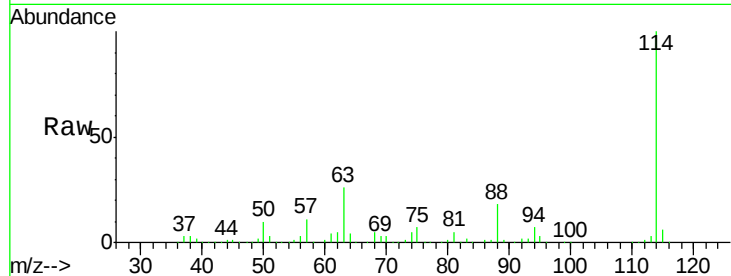
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.4	0.0	48.8
88	18.2	0.0	32.2

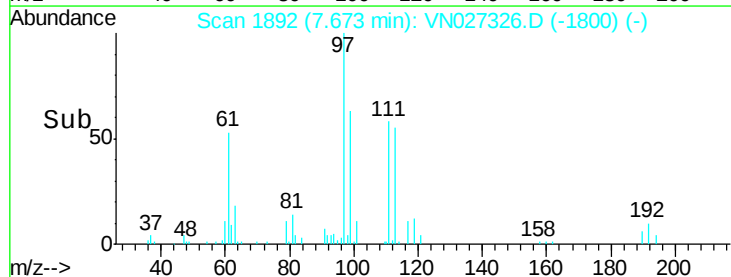
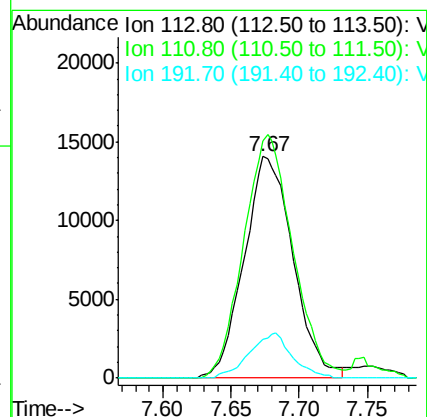
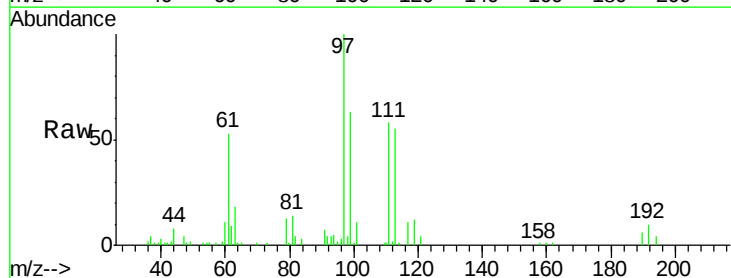
Manual Integrations
 APPROVED

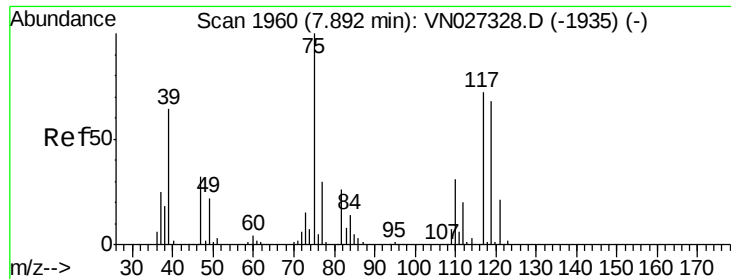
MMDadoda
 9/22/2015 2:27:45 PM



#36
 Dibromofluoromethane
 Concen: 4.47 ug/l
 RT: 7.67 min Scan# 1892
 Delta R.T. -0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
113	100		
111	110.2	83.0	124.4
192	17.6	14.1	21.1





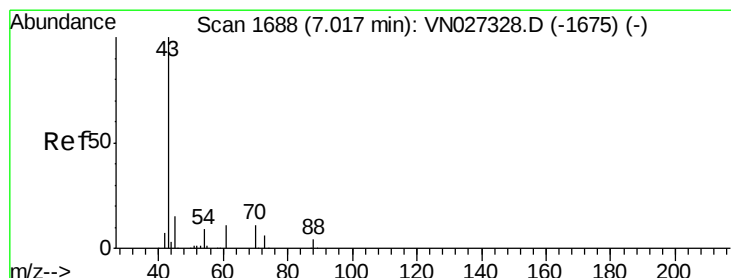
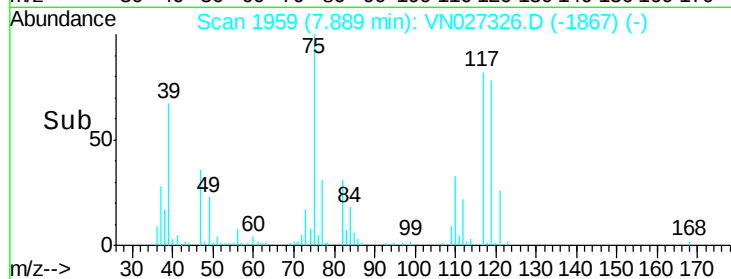
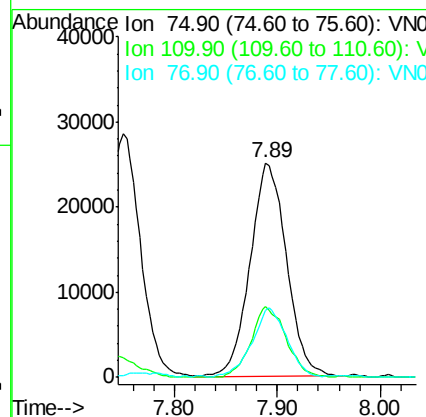
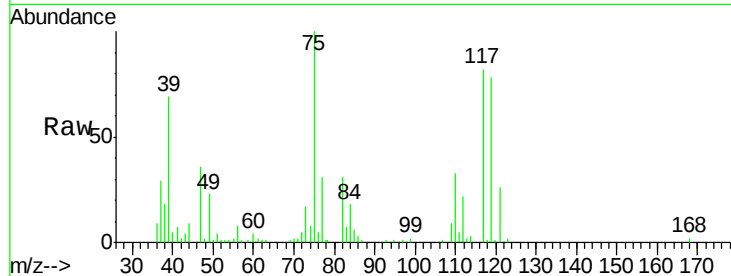
#37
 1,1-Dichloropropene
 Concen: 4.62 ug/l
 RT: 7.89 min Scan# 1959
 Delta R.T. -0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
110	32.0	15.9	47.7
77	31.3	24.9	37.3

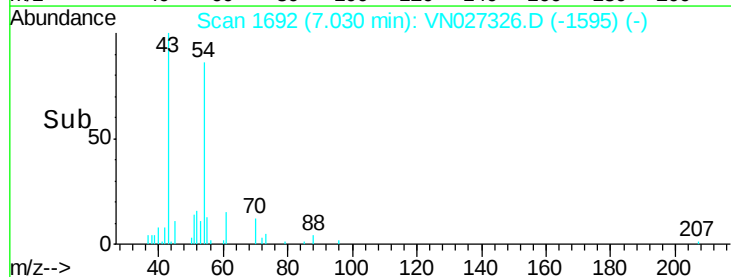
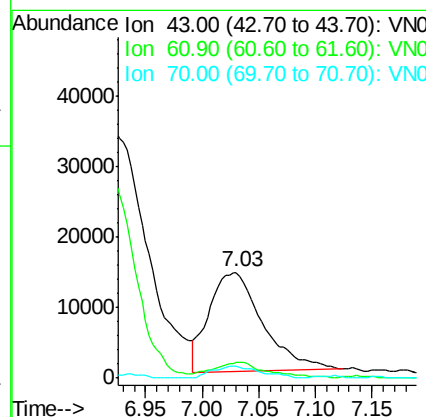
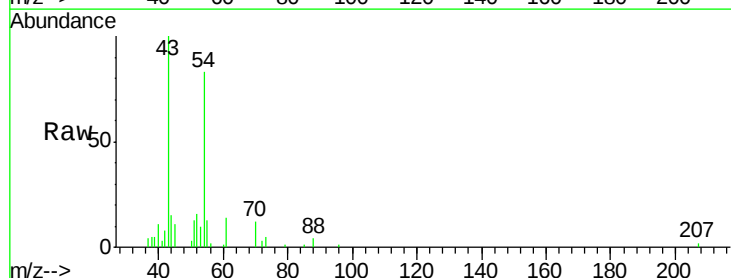
Manual Integrations
 APPROVED

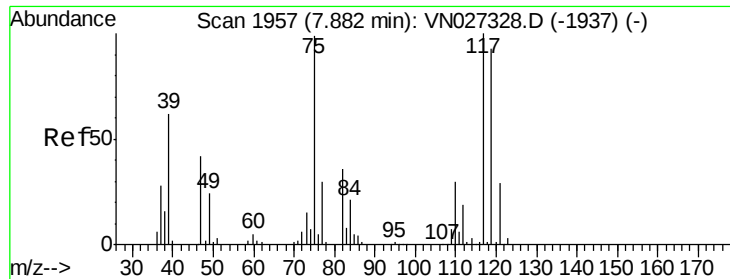
MMDadoda
 9/22/2015 2:27:45 PM



#38
 Ethyl Acetate
 Concen: 3.80 ug/l
 RT: 7.03 min Scan# 1692
 Delta R.T. 0.01 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.4	10.2	15.4
70	10.7	7.4	11.0





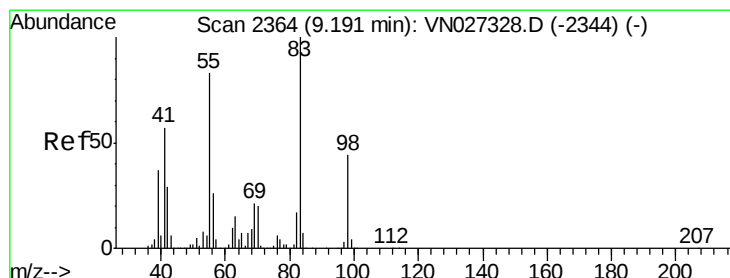
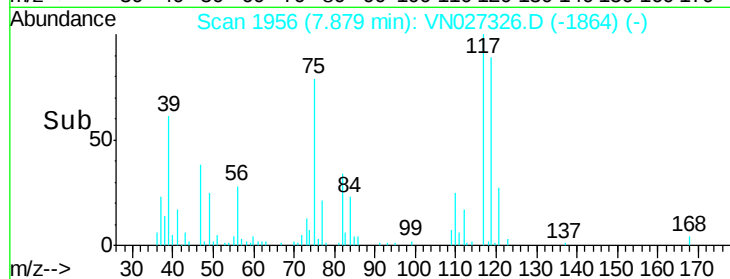
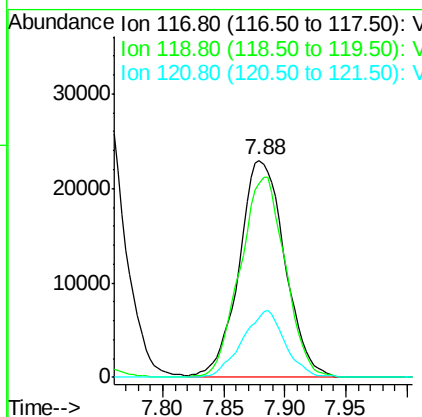
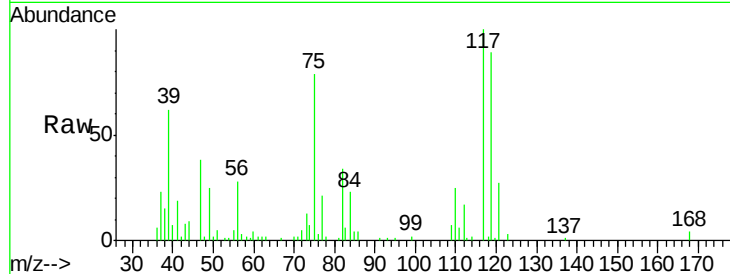
#39
Carbon Tetrachloride
Concen: 4.77 ug/l
RT: 7.88 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
119	89.3	75.3	112.9
121	27.1	23.8	35.8

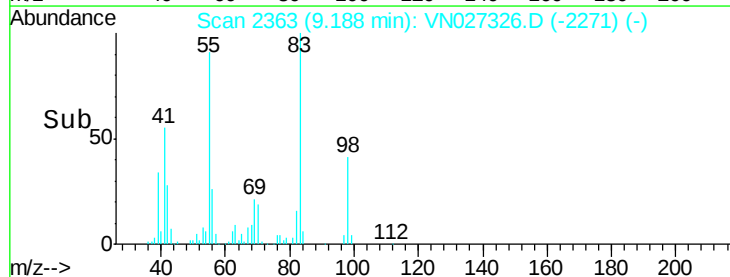
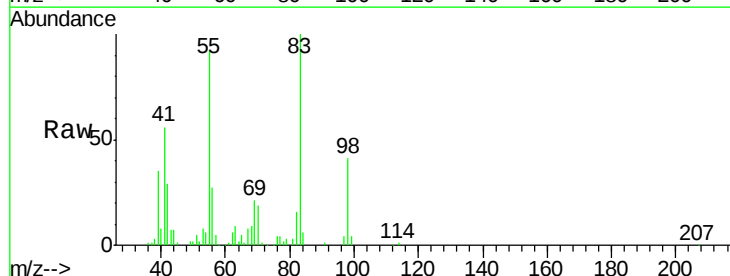
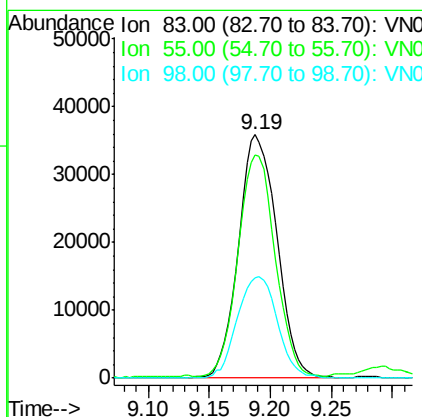
Manual Integrations
APPROVED

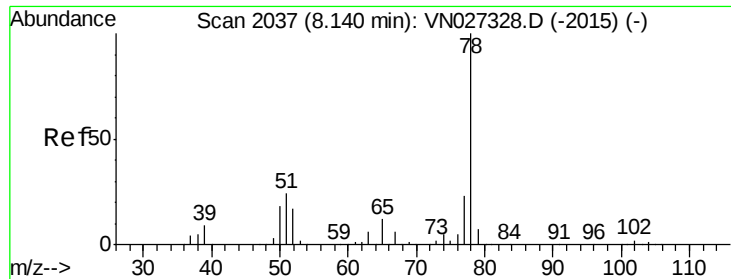
MMDadoda
9/22/2015 2:27:45 PM



#40
Methylcyclohexane
Concen: 4.86 ug/l
RT: 9.19 min Scan# 2363
Delta R.T. -0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
55	90.6	69.8	104.8
98	41.4	34.3	51.5





#41

Benzene

Concen: 4.73 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 78 Resp: 182888

Ion Ratio Lower Upper

78 100

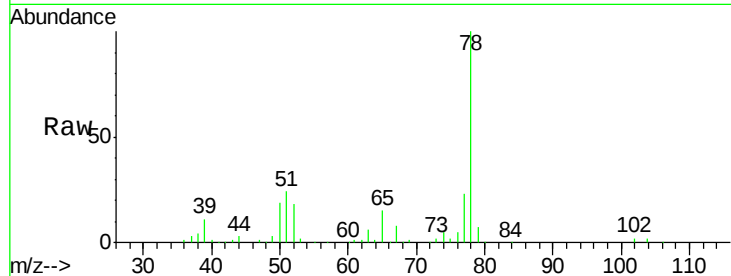
77 22.5 19.0 28.4

Manual Integrations

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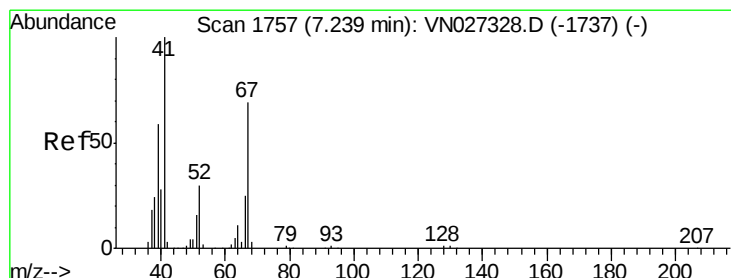
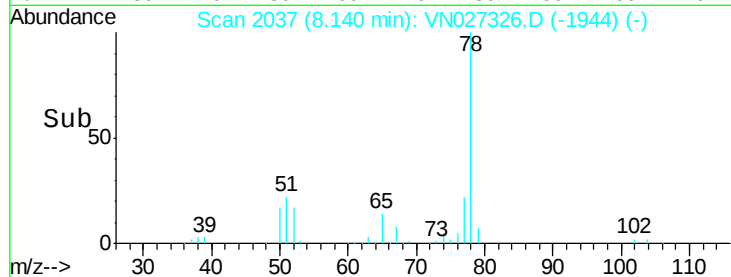
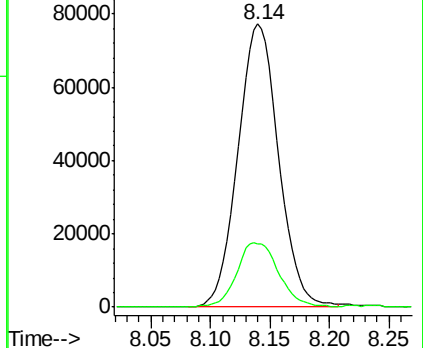
MMDadoda

9/22/2015 2:27:45 PM



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#42

Methacrylonitrile

Concen: 3.92 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Tgt Ion: 41 Resp: 25071

Ion Ratio Lower Upper

41 100

39 63.4 43.0 64.6

67 81.1 52.2 78.2#

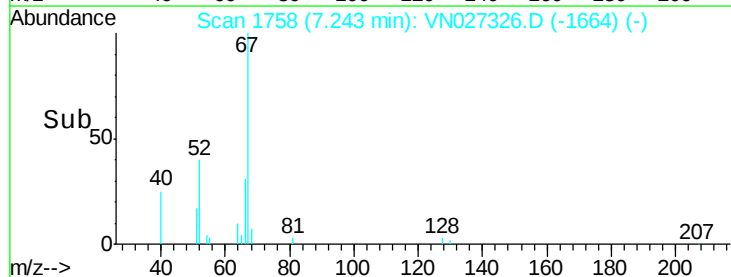
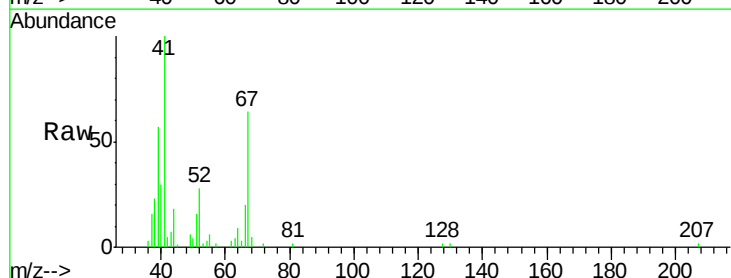
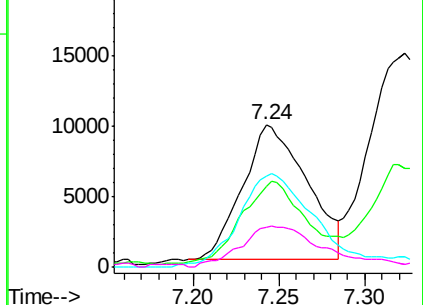
52 38.6 21.3 31.9#

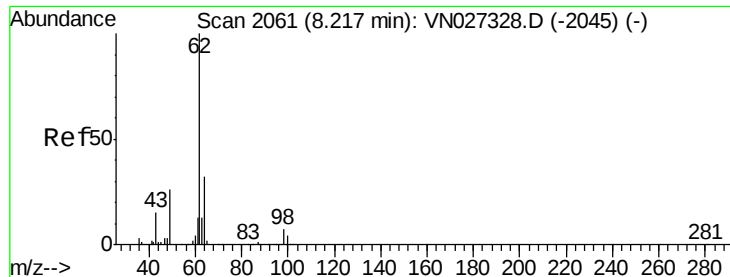
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0





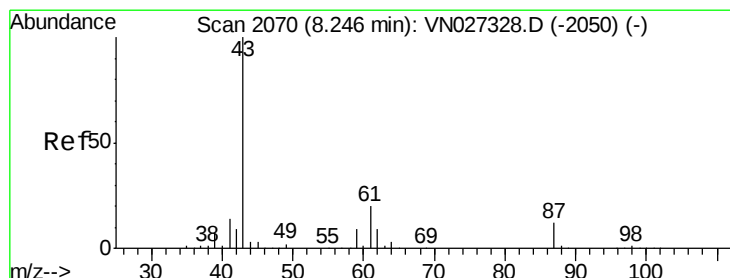
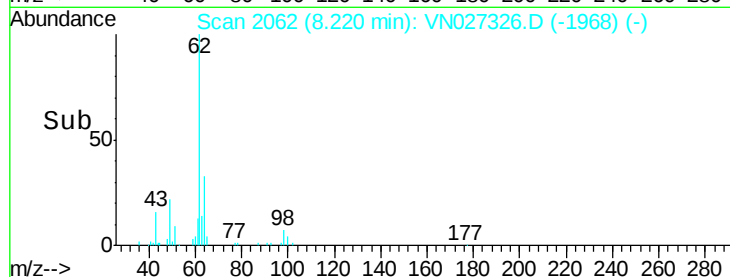
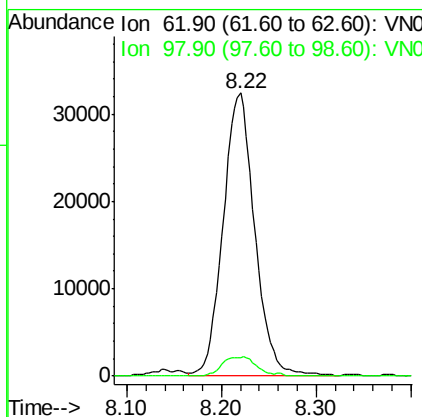
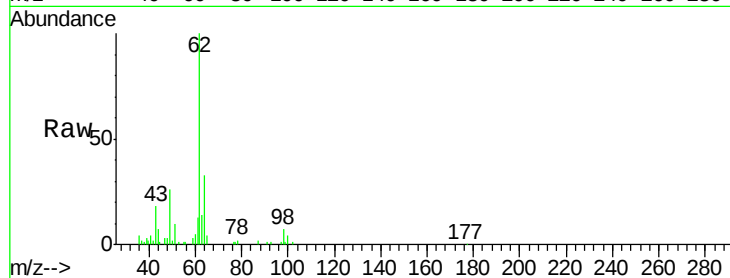
#43
 1,2-Dichloroethane
 Concen: 4.85 ug/l
 RT: 8.22 min Scan# 2062
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
62	100		
98	7.3	0.0	18.0

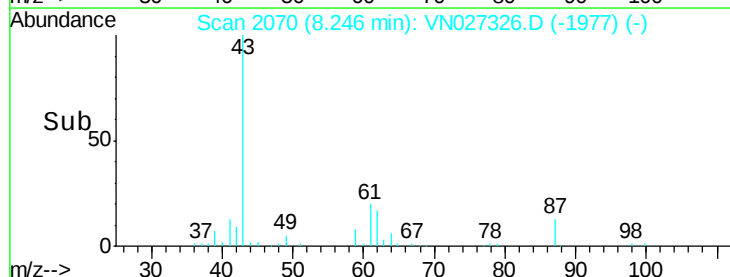
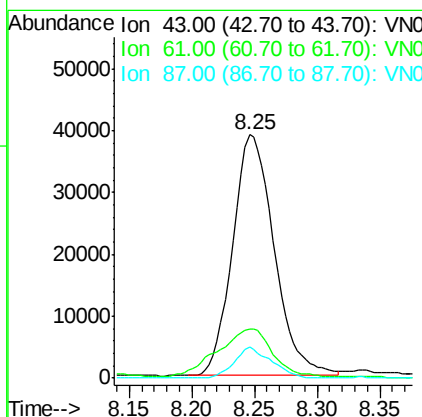
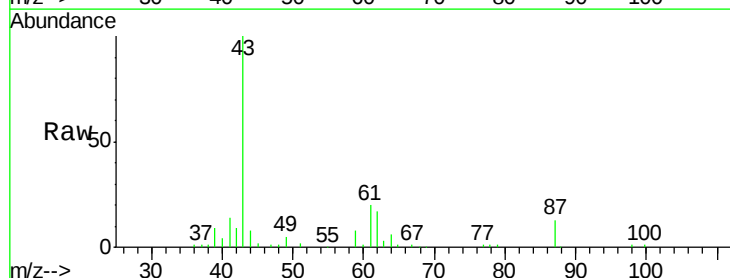
Manual Integrations
 APPROVED

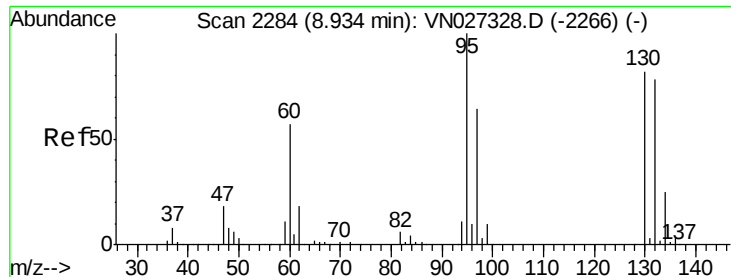
MMDadoda
 9/22/2015 2:27:45 PM



#44
 Isopropyl Acetate
 Concen: 4.25 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
43	100		
61	26.4	20.6	31.0
87	11.4	8.6	13.0





#45

Trichloroethene

Concen: 4.65 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:130 Resp: 36123

Ion Ratio Lower Upper

130 100

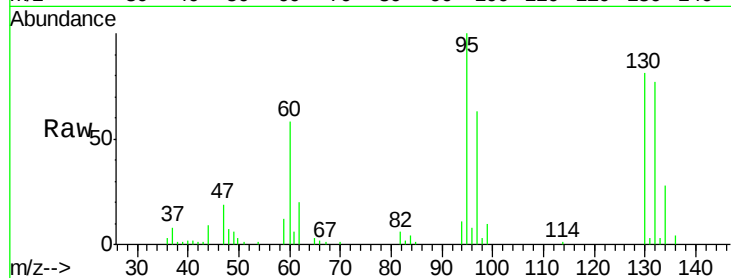
95 122.8 0.0 222.2

Manual Integrations

APPROVED

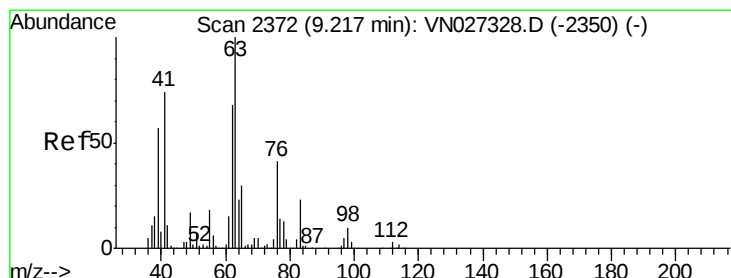
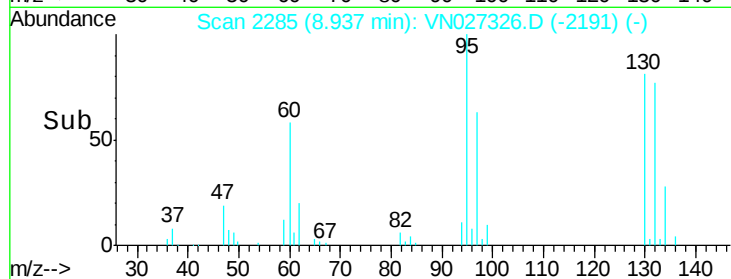
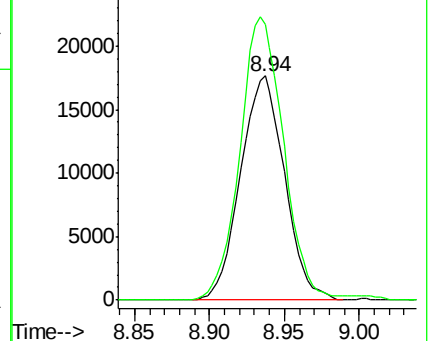
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#46

1,2-Dichloropropane

Concen: 4.60 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027326.D

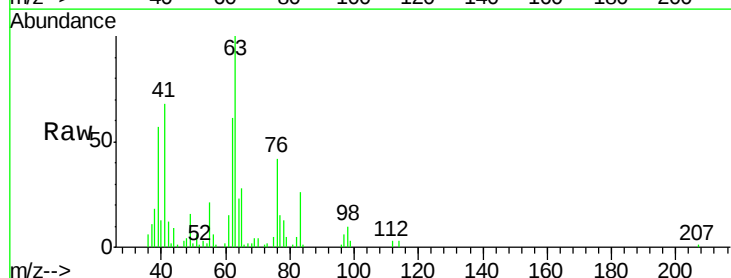
Acq: 21 Sep 2015 10:46

Tgt Ion: 63 Resp: 51182

Ion Ratio Lower Upper

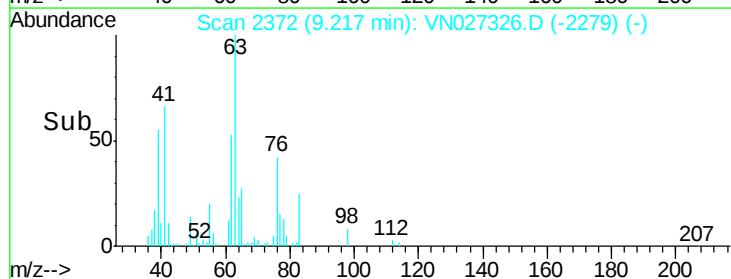
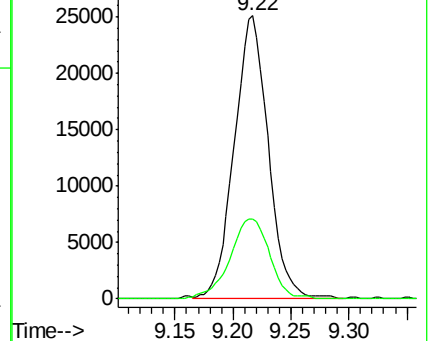
63 100

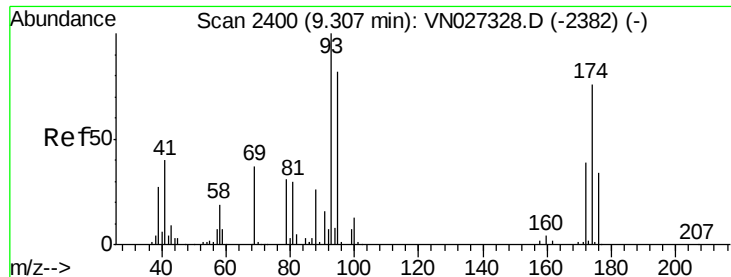
65 28.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Dibromomethane

Concen: 4.60 ug/l

RT: 9.31 min Scan# 2400

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

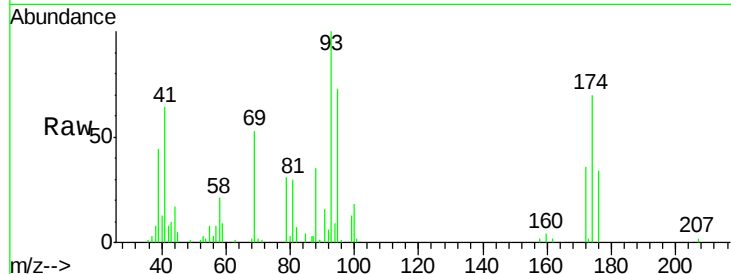
ClientSampleId :

VSTDIC005

Tot Ion	Ratio	Lower	Upper
93	100		
95	78.1	66.3	99.5
174	73.5	67.8	101.6

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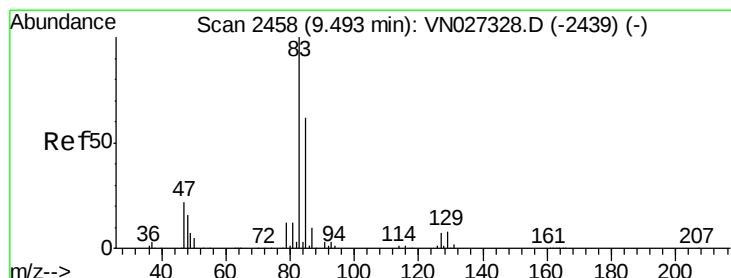
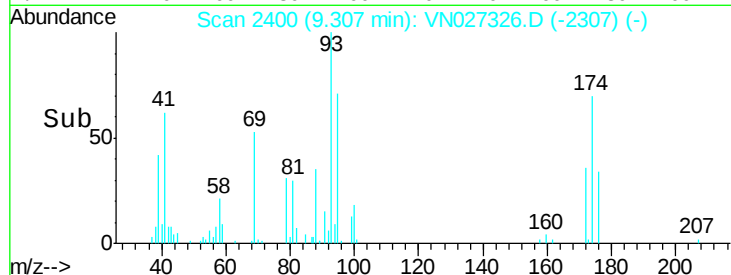
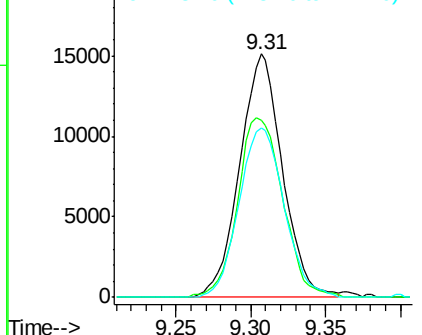


Abundance

Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V



#48

Bromodichloromethane

Concen: 4.52 ug/l

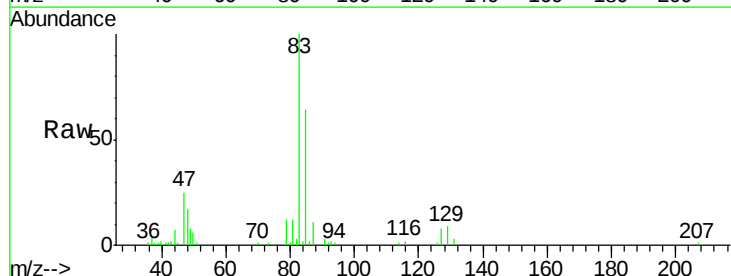
RT: 9.49 min Scan# 2458

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.7	76.1
127	7.6	5.5	8.3

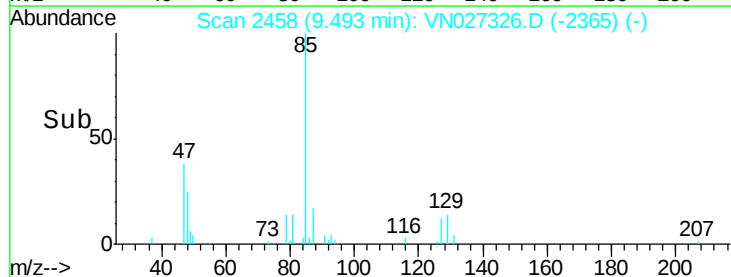
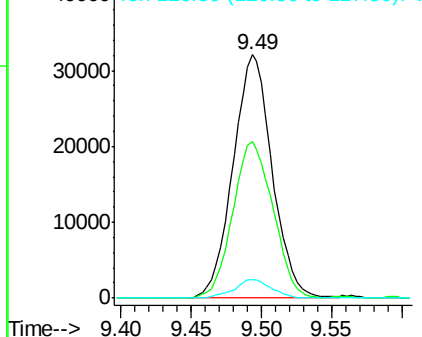


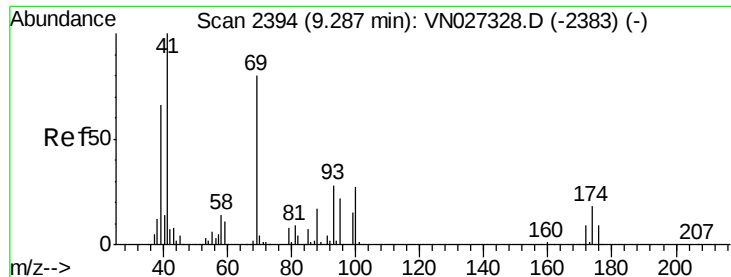
Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V





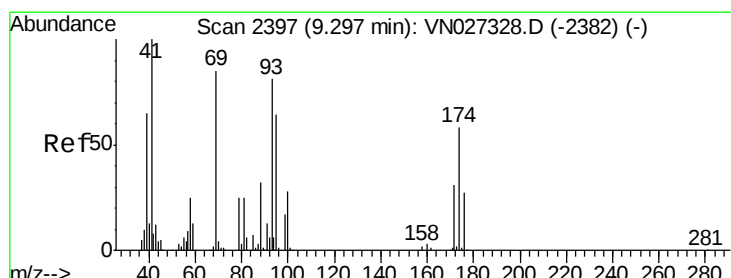
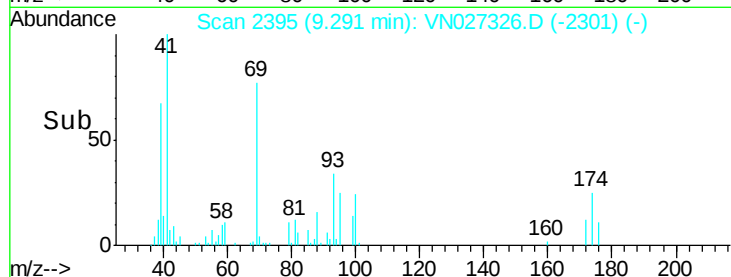
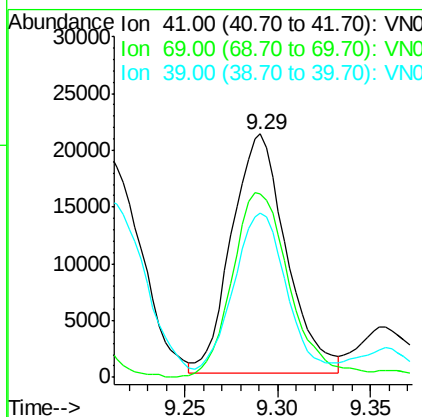
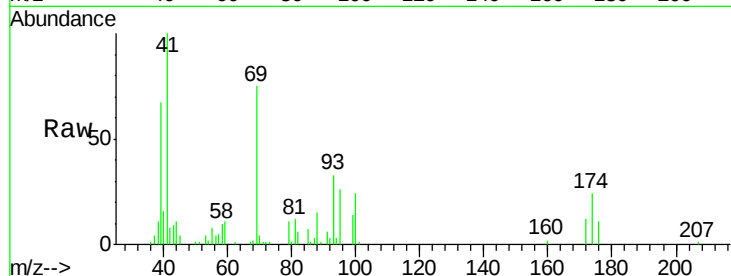
#49
Methvl methacrylate
Concen: 4.10 ug/l
RT: 9.29 min Scan# 2395
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
41	100		
69	81.1	59.3	88.9
39	65.4	39.5	59.3#

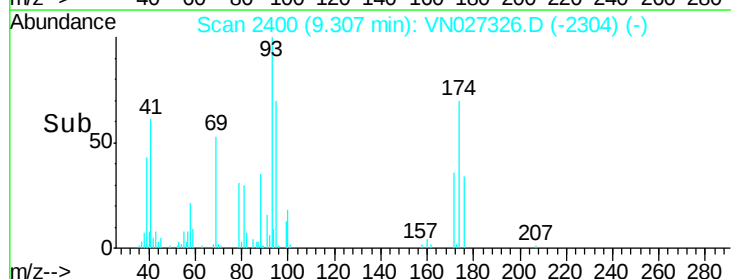
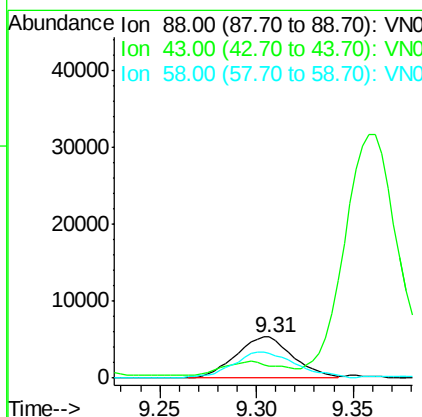
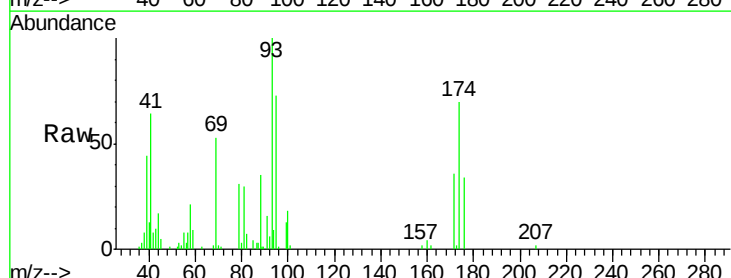
Manual Integrations
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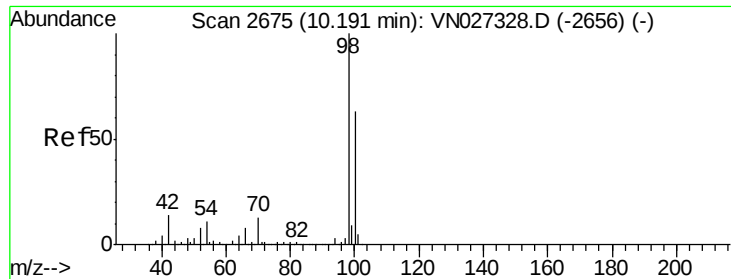
MMDadoda
9/22/2015 2:27:45 PM



#50
1,4-Dioxane
Concen: 88.76 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.01 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.8	27.6	41.4
58	70.6	63.1	94.7





#51

Toluene-d8

Concen: 4.56 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 98 Resp: 140144

Ion Ratio Lower Upper

98 100

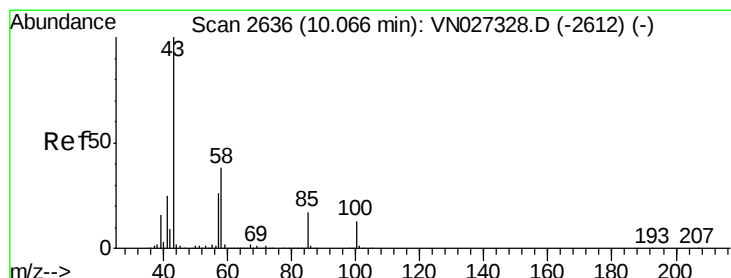
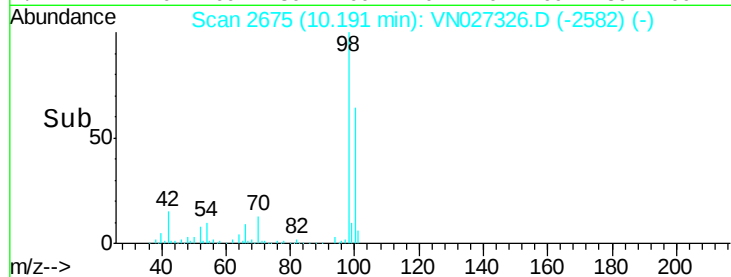
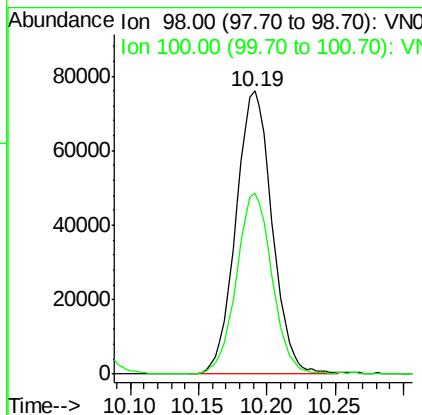
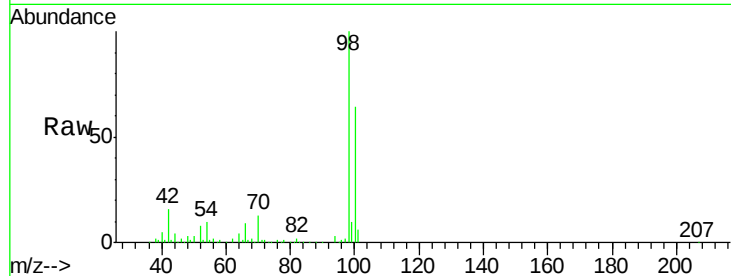
100 62.9 50.5 75.7

Manual Integrations

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#52

4-Methyl-2-Pentanone

Concen: 20.95 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027326.D

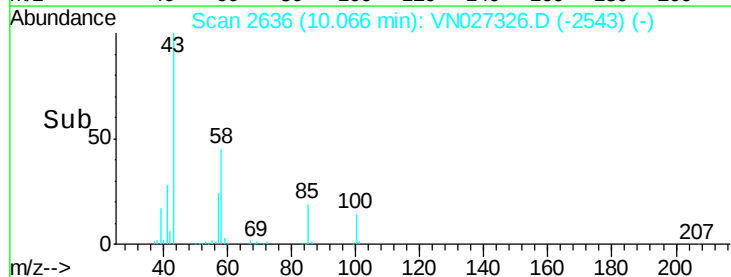
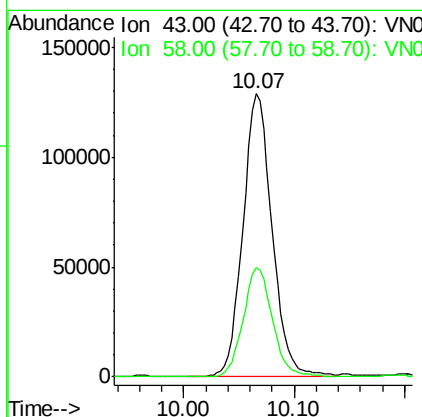
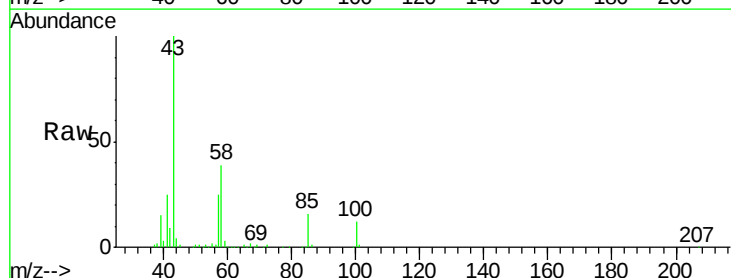
Acq: 21 Sep 2015 10:46

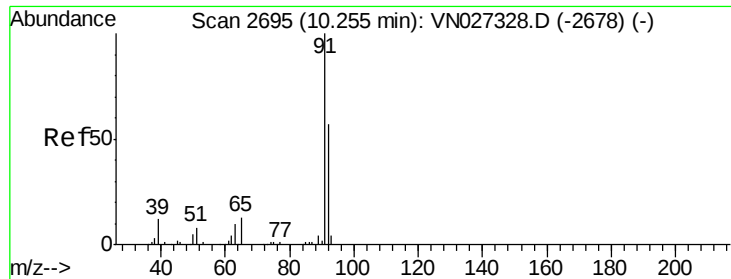
Tgt Ion: 43 Resp: 234397

Ion Ratio Lower Upper

43 100

58 39.1 29.8 44.8





#53

Toluene

Concen: 4.88 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 92 Resp: 110426

Ion Ratio Lower Upper

92 100

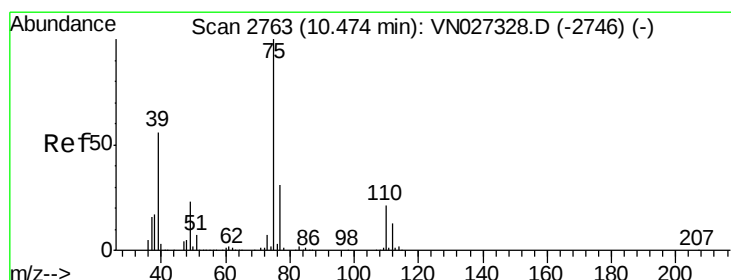
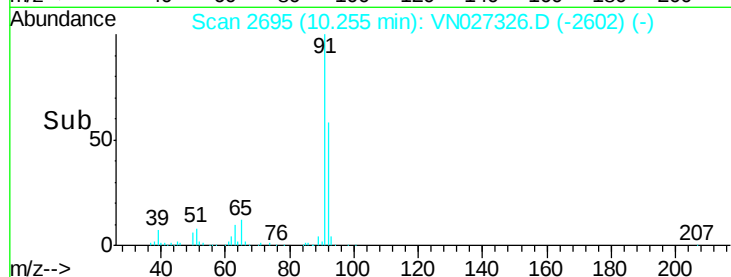
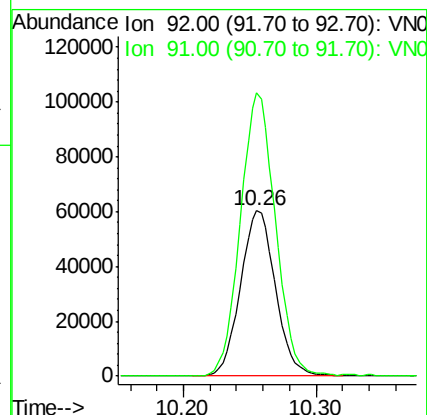
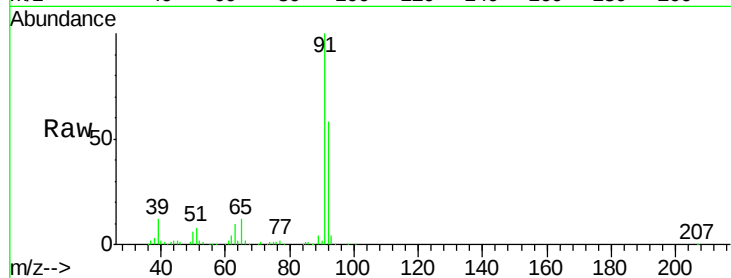
91 171.5 141.4 212.2

Manual Integrations

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#54

t-1,3-Dichloropropene

Concen: 4.25 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027326.D

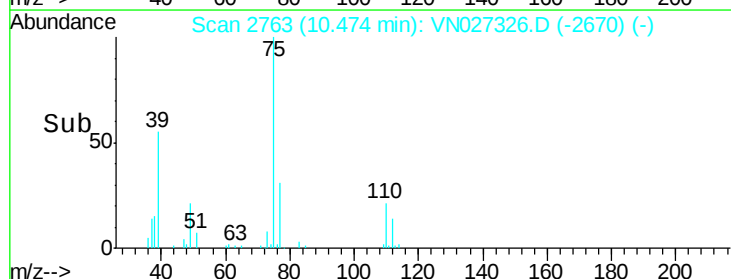
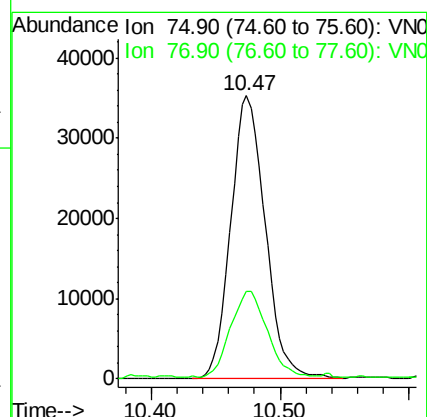
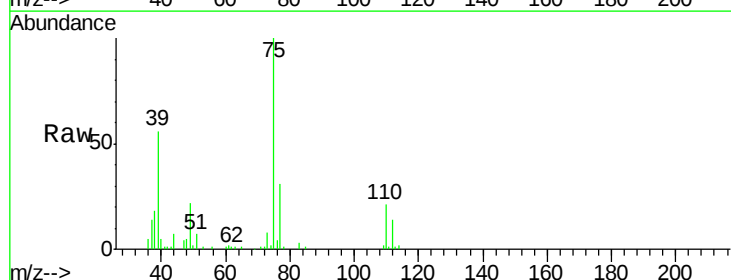
Acq: 21 Sep 2015 10:46

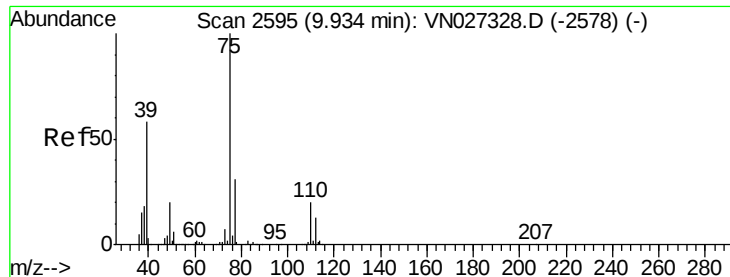
Tgt Ion: 75 Resp: 65706

Ion Ratio Lower Upper

75 100

77 30.0 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 4.46 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

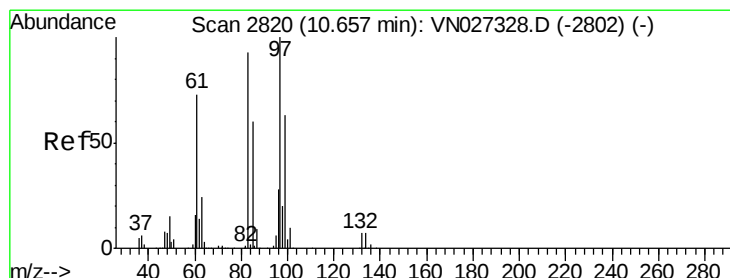
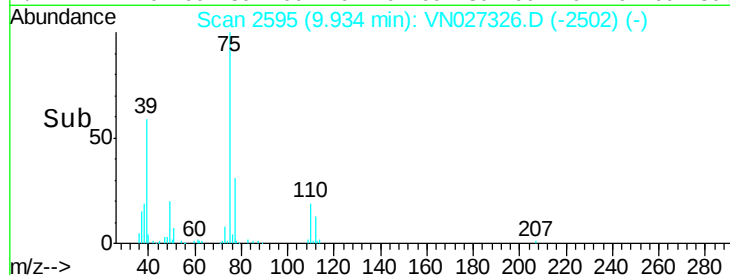
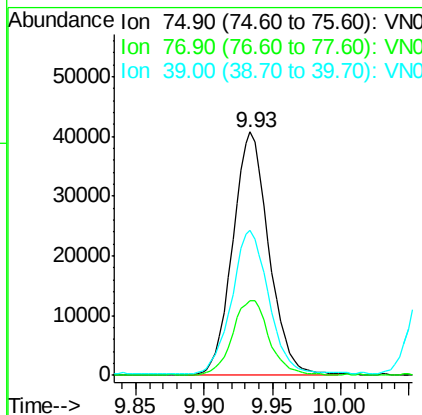
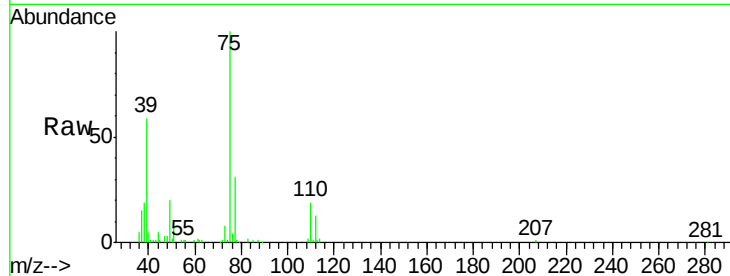
ClientSampled :

VSTDIC005

Tot Ion:	75	Resp:	74940
Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.6	38.4
39	58.8	41.6	62.4

Manual Integrations
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#56

1,1,2-Trichloroethane

Concen: 4.65 ug/l

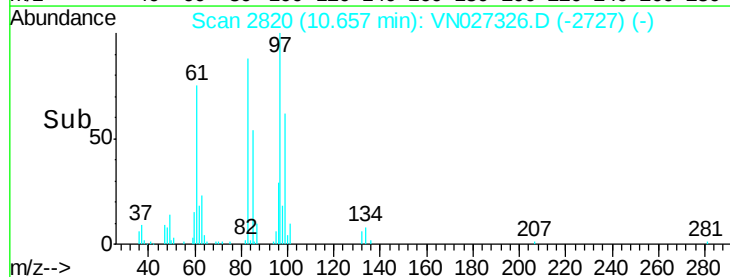
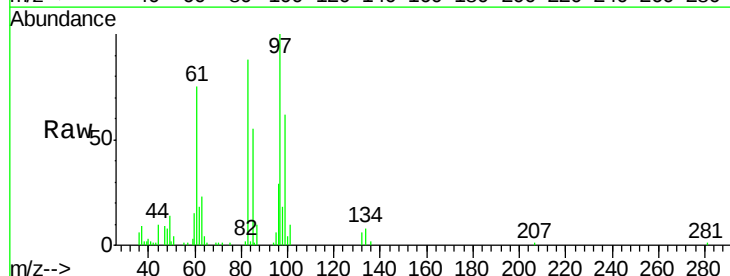
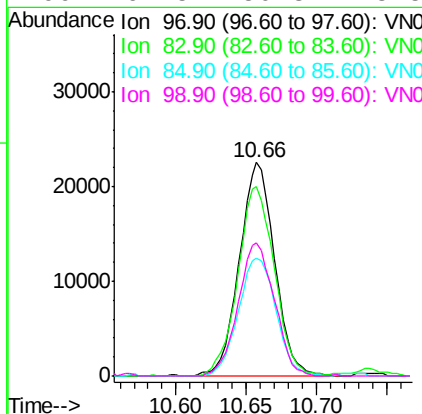
RT: 10.66 min Scan# 2820

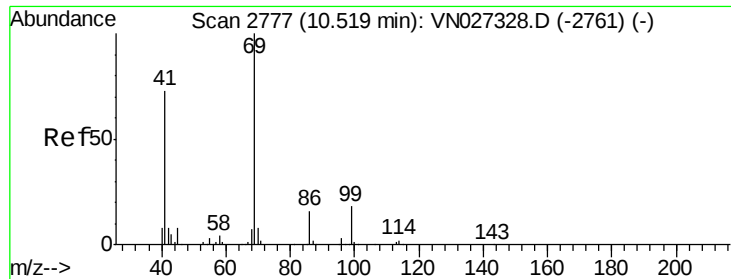
Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Tgt Ion:	97	Resp:	39570
Ion	Ratio	Lower	Upper
97	100		
83	88.4	75.0	112.4
85	55.3	48.0	72.0
99	62.5	50.3	75.5





#57

Ethyl methacrylate

Concen: 4.26 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

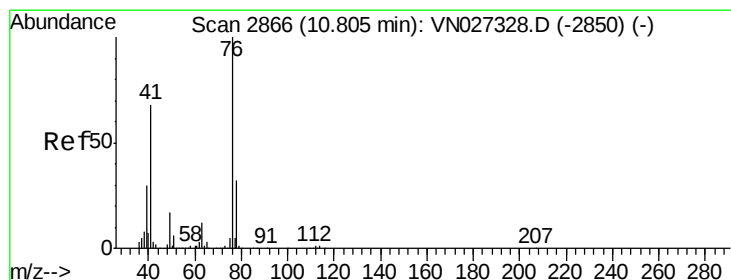
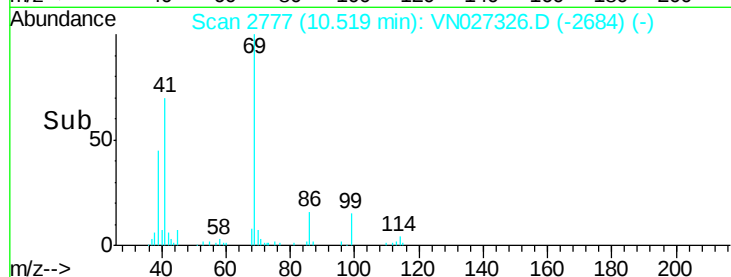
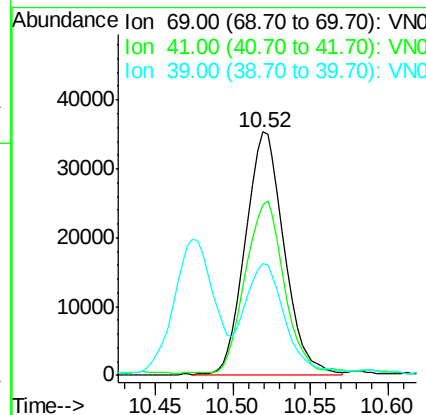
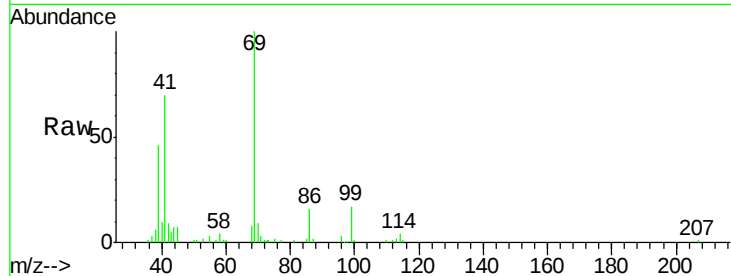
ClientSampleId :

VSTDIC005

Tot Ion:	69	Resp:	61081
Ion Ratio	Lower	Upper	
69	100		
41	70.1	61.3	91.9
39	44.6	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 4.78 ug/l

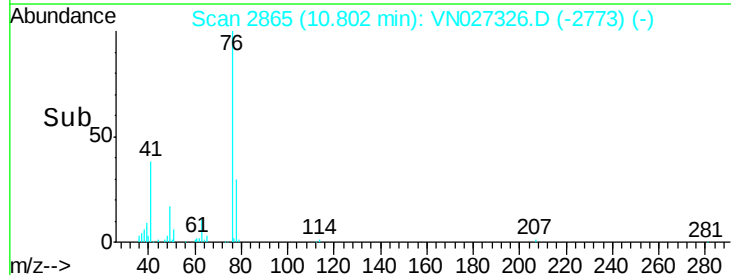
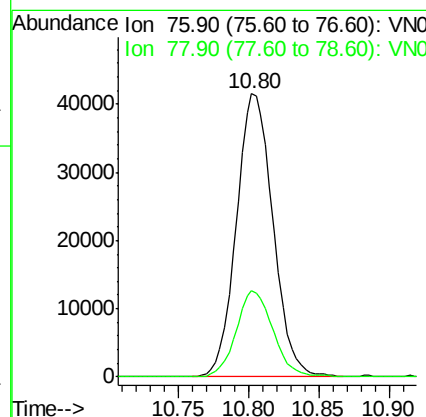
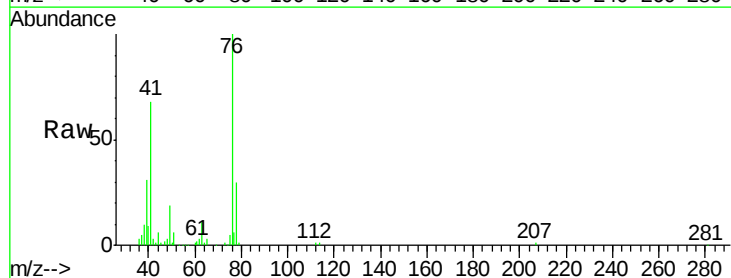
RT: 10.80 min Scan# 2865

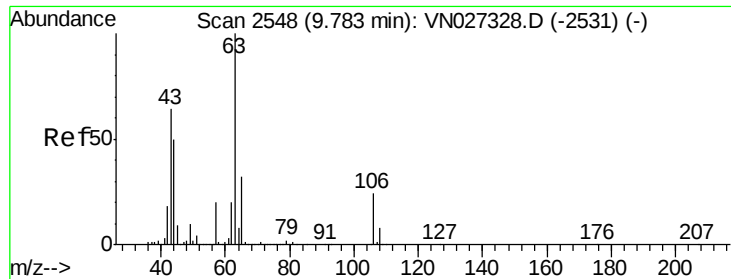
Delta R.T. -0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Tgt Ion:	76	Resp:	75418
Ion Ratio	Lower	Upper	
76	100		
78	30.6	25.0	37.6





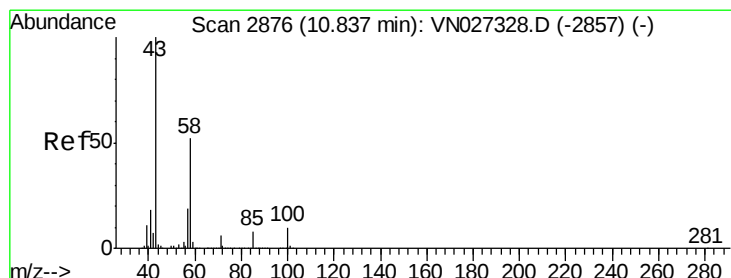
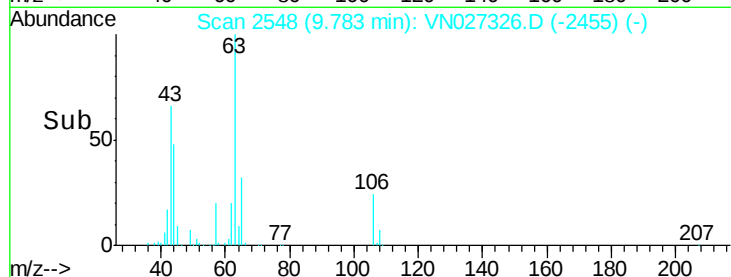
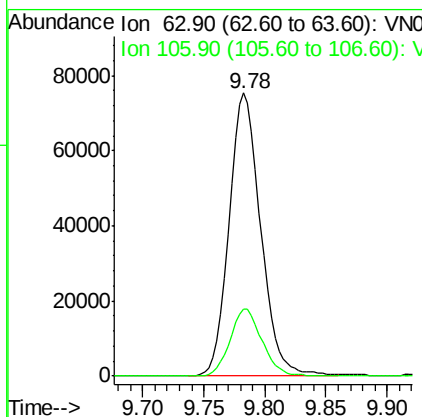
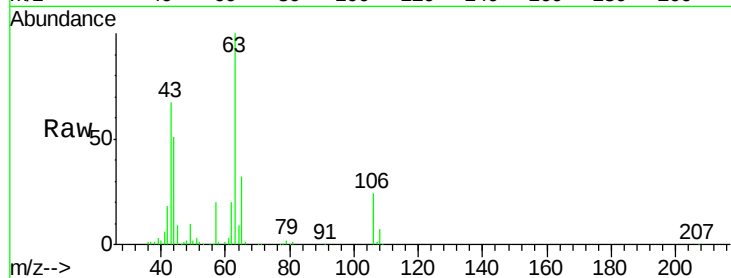
#59
2-Chloroethyl Vinyl ether
Concen: 20.70 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 63 Resp: 136206
Ion Ratio Lower Upper
63 100
106 24.0 17.7 26.5

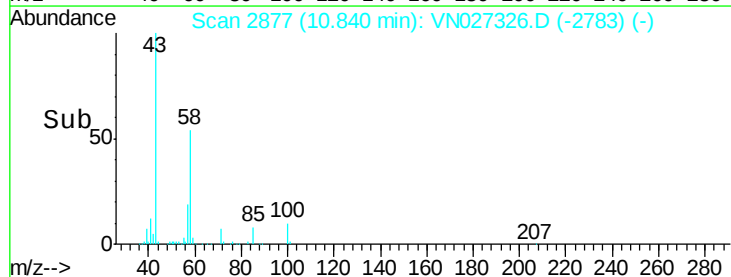
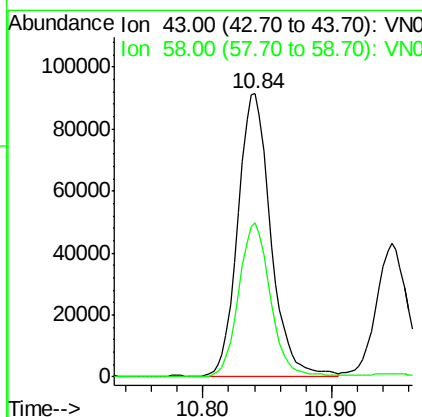
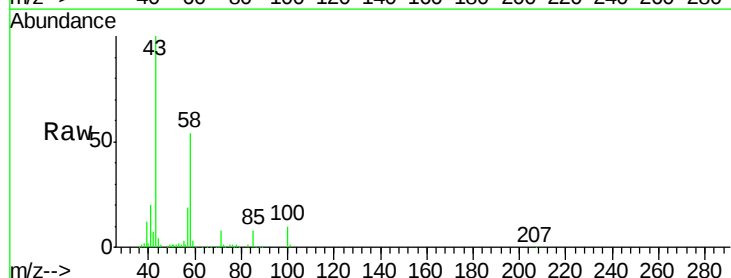
Manual Integrations
APPROVED

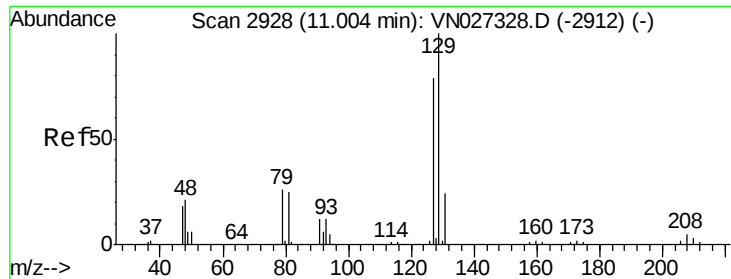
MMDadoda
9/22/2015 2:27:45 PM



#60
2-Hexanone
Concen: 21.23 ug/l
RT: 10.84 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion: 43 Resp: 161716
Ion Ratio Lower Upper
43 100
58 53.1 26.2 78.5





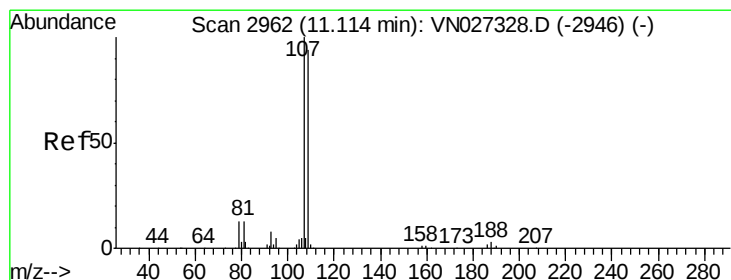
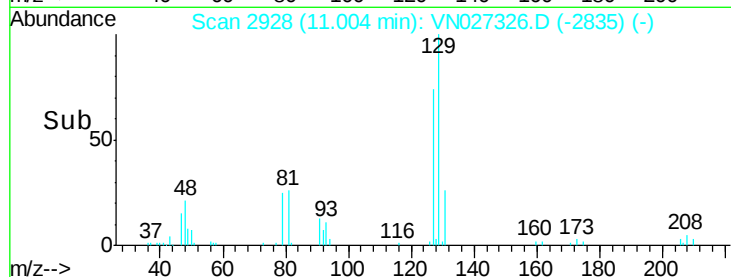
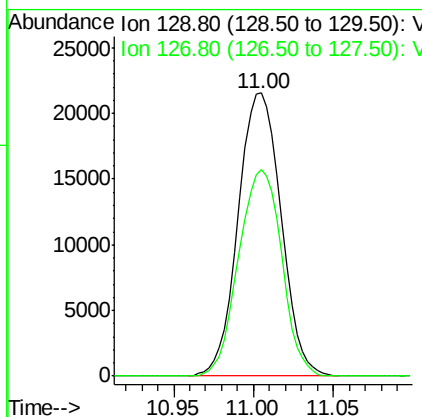
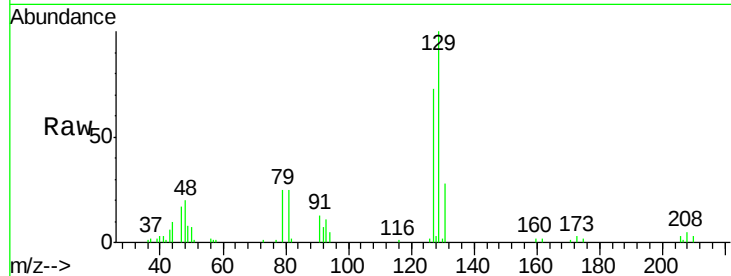
#61
Dibromochloromethane
Concen: 4.55 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
129	100		
127	73.1	39.1	117.2

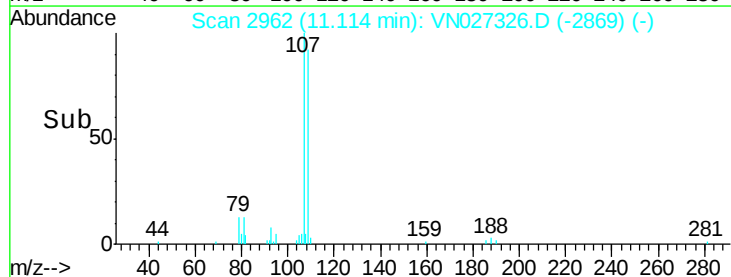
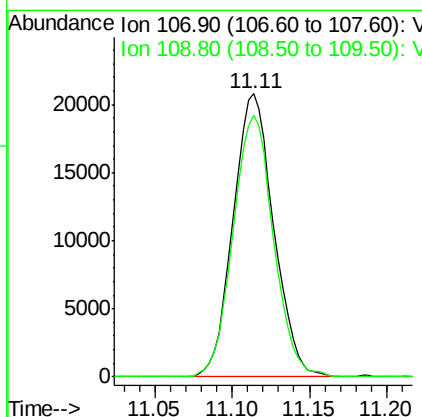
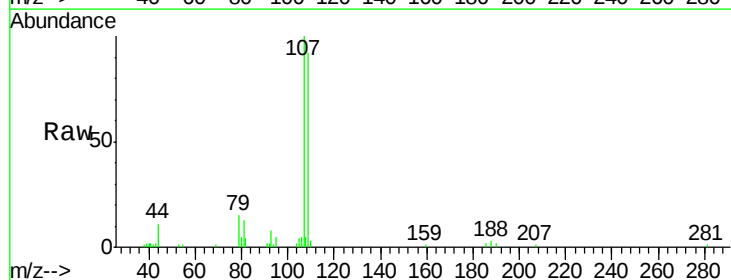
Manual Integrations
APPROVED

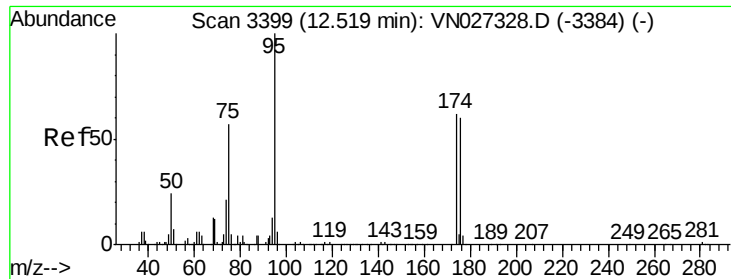
MMDadoda
9/22/2015 2:27:45 PM



#62
1,2-Dibromoethane
Concen: 4.52 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.2	75.6	113.4





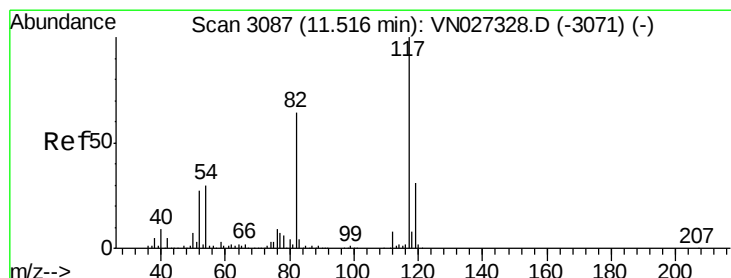
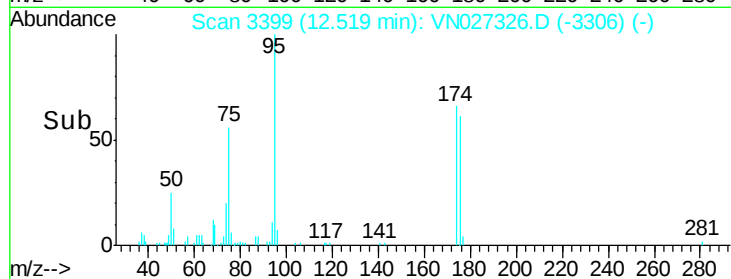
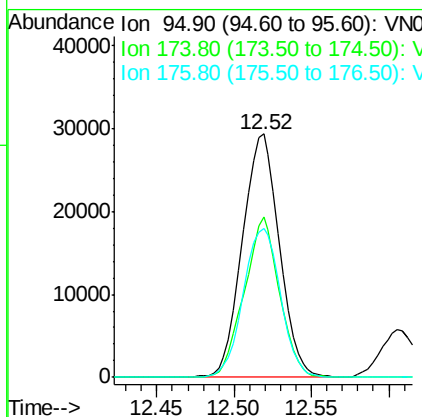
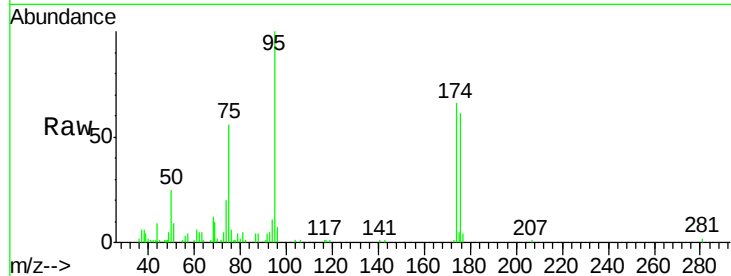
#63
4-Bromofluorobenzene
Concen: 4.49 ug/l
RT: 12.52 min Scan# 3399
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
95	100	48891		
174	62.4	0.0	137.0	
176	61.6	0.0	130.8	

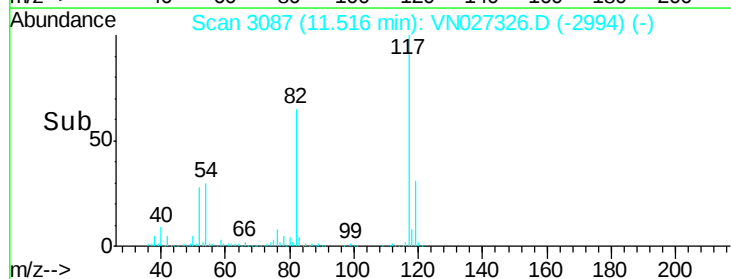
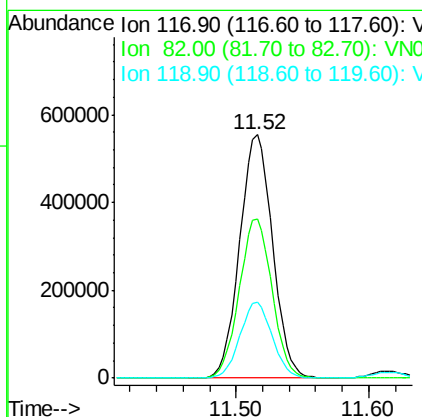
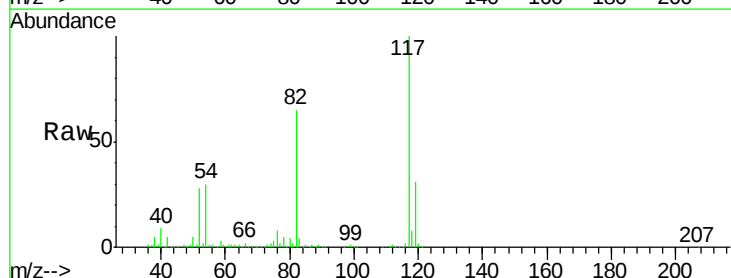
Manual Integrations
APPROVED

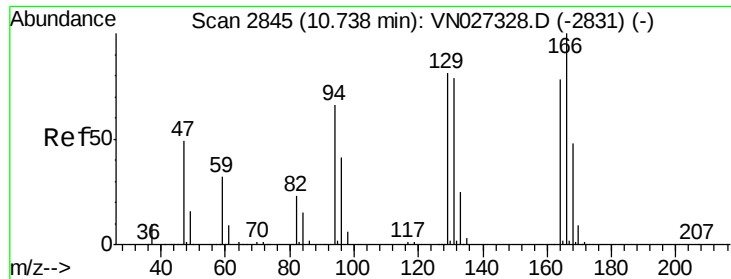
MMDadoda
9/22/2015 2:27:45 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	954476		
82	65.4	49.6	74.4	
119	31.4	24.6	36.8	





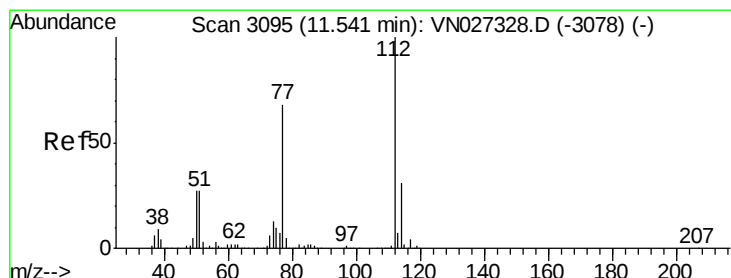
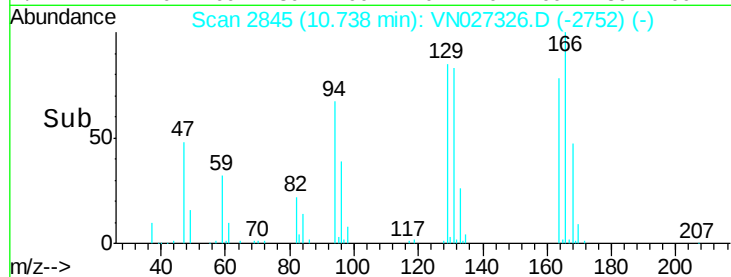
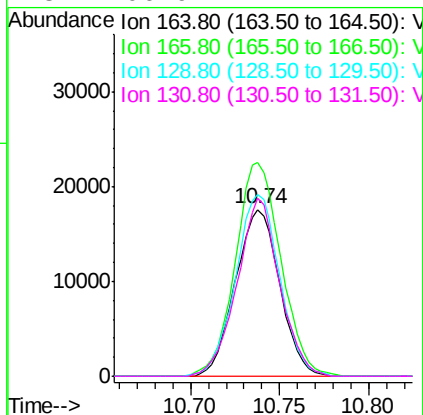
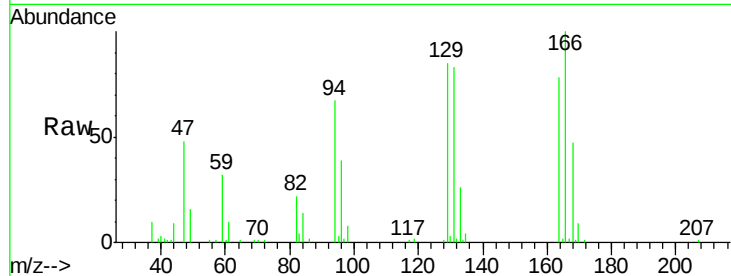
#65
Tetrachloroethene
Concen: 5.00 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
164	100		
166	128.2	103.4	155.0
129	108.8	77.5	116.3
131	106.9	74.2	111.4

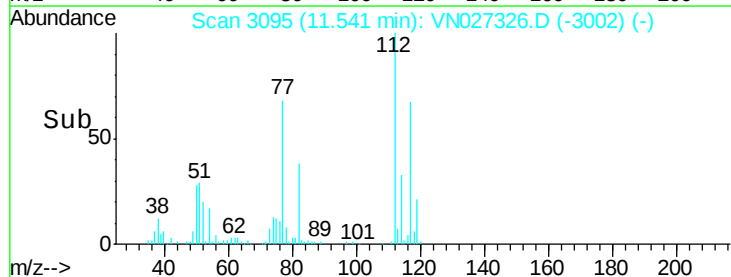
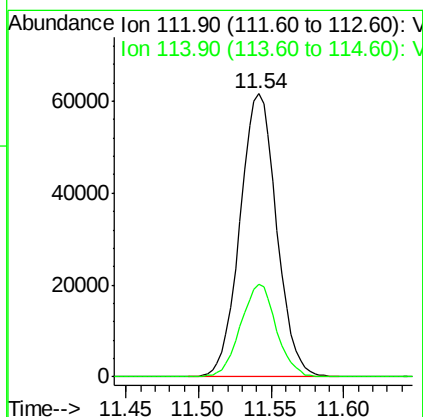
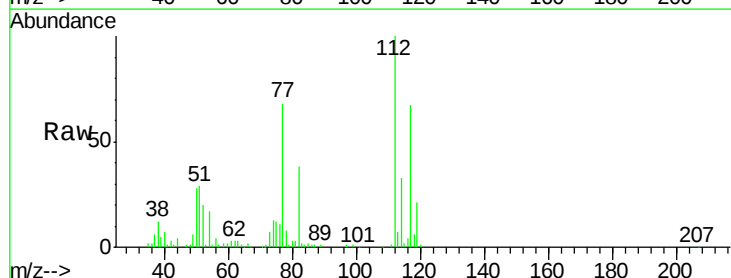
Manual Integrations
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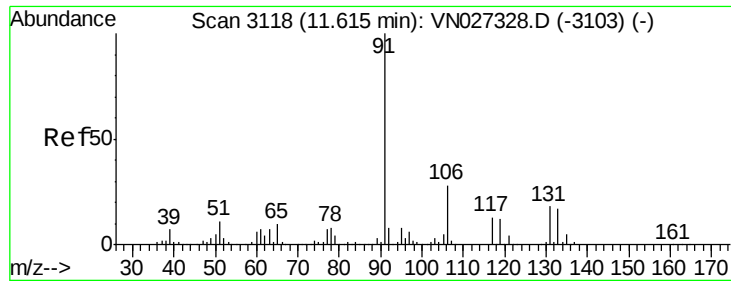
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#66
Chlorobenzene
Concen: 4.81 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.6	24.9	37.3





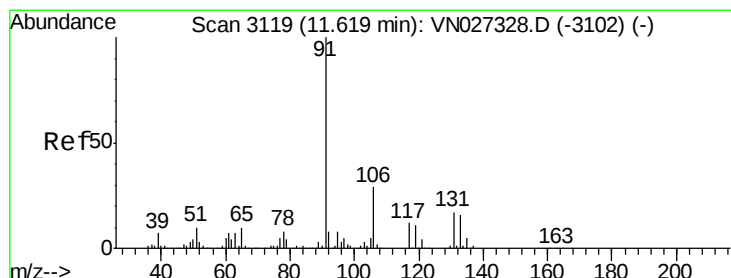
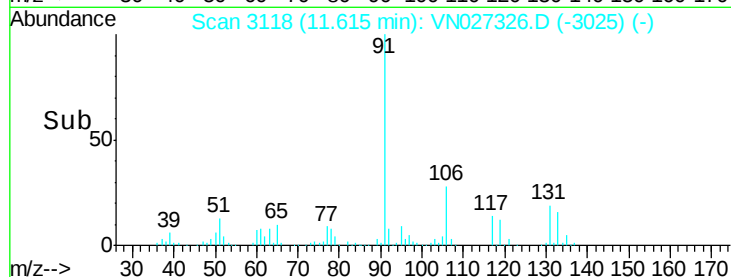
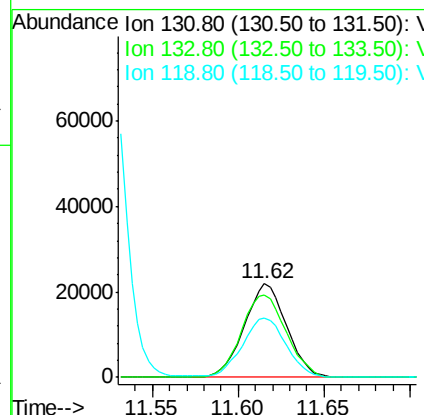
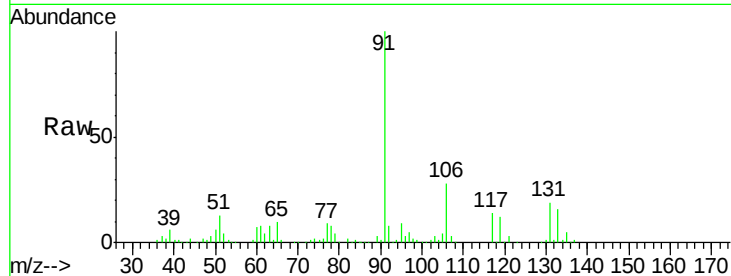
#67
 1,1,1,2-Tetrachloroethane
 Concen: 4.85 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
131	100		
133	93.4	47.0	141.2
119	66.0	35.1	105.5

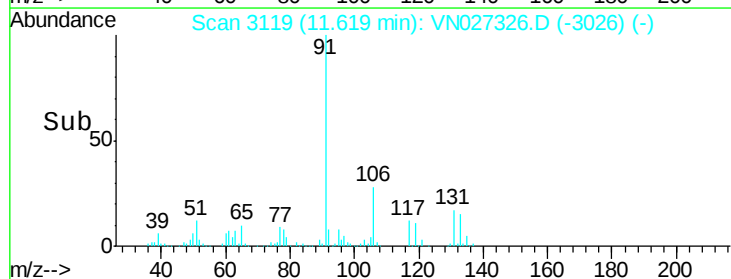
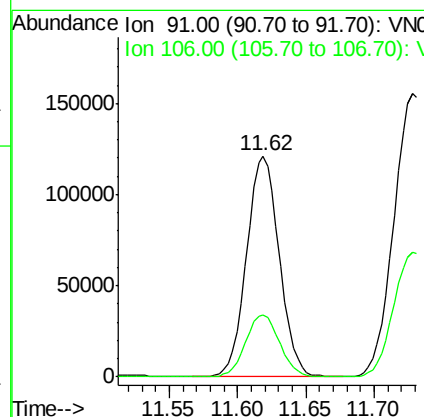
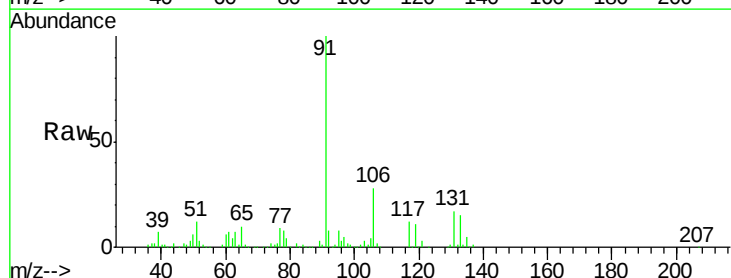
Manual Integrations
 APPROVED

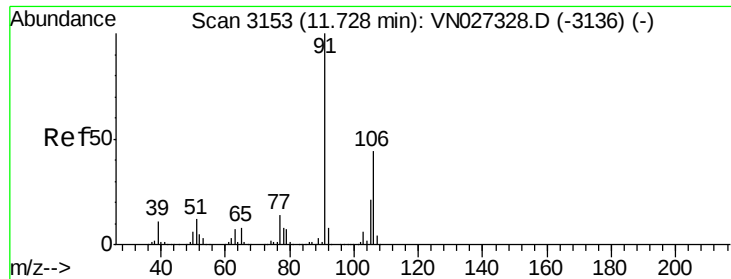
MMDadoda
 9/22/2015 2:27:45 PM



#68
 Ethyl Benzene
 Concen: 4.71 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.0	23.1	34.7





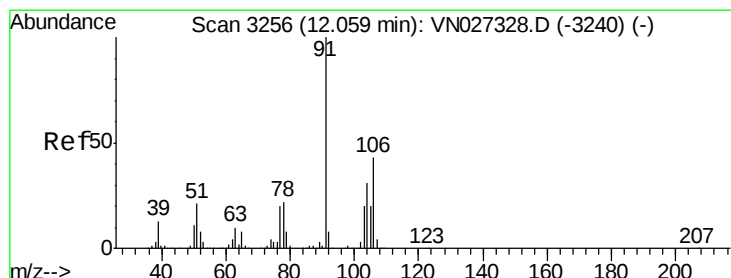
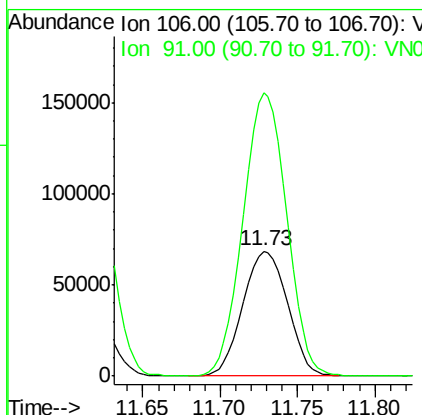
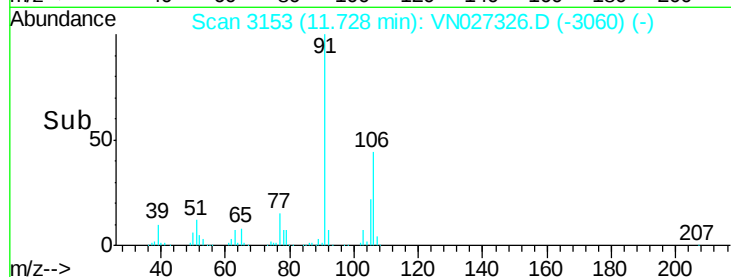
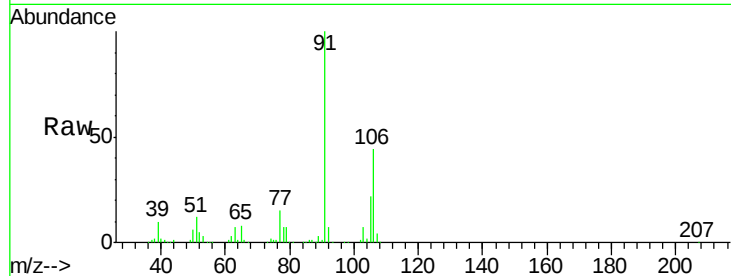
#69
m/p-Xvlenes
Concen: 9.37 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	220.3	167.1	250.7		

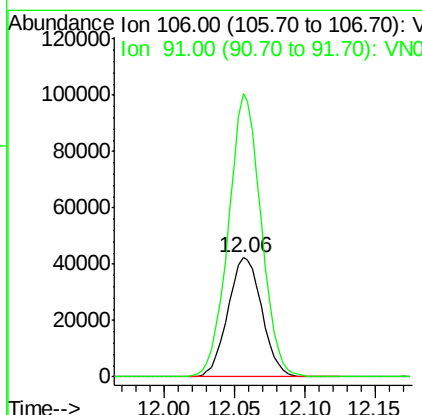
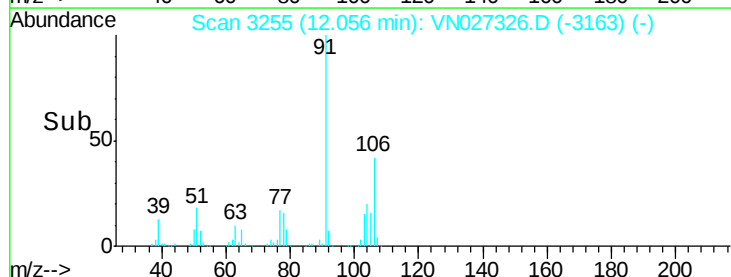
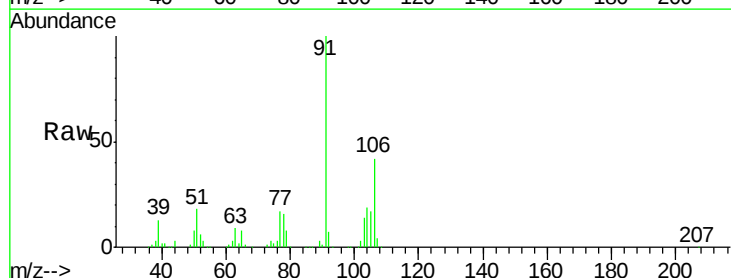
Manual Integrations
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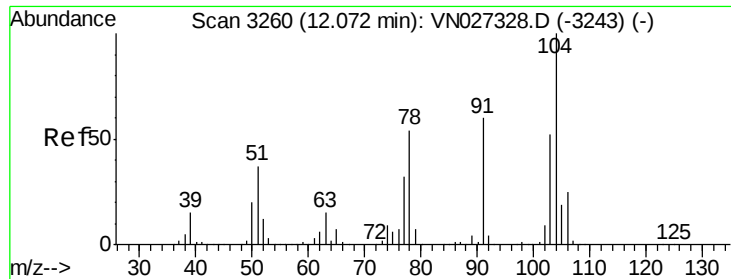
MMDadoda
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#70
o-Xylene
Concen: 4.84 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	227.8	110.7	331.9		





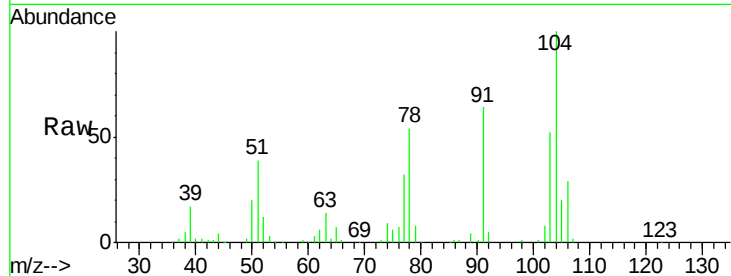
#71
Stvrene
Concen: 4.42 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.5	41.6	62.4
103	58.0	44.2	66.2

Manual Integrations
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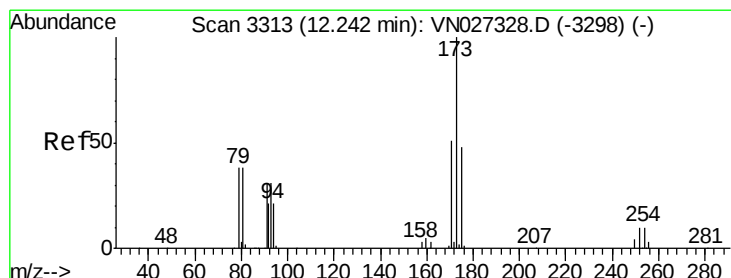
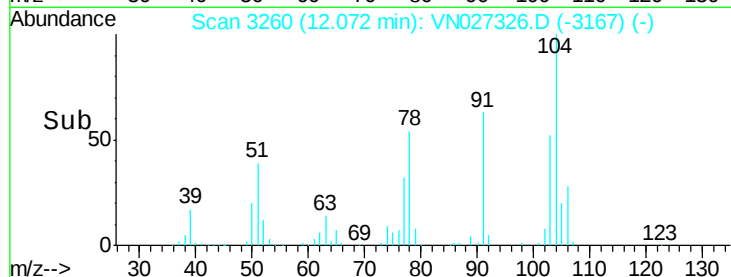
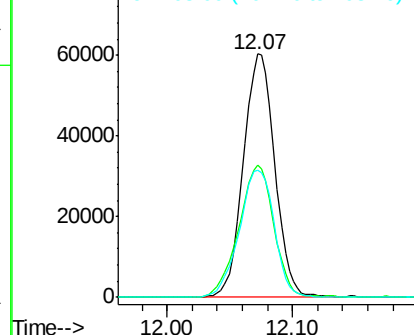


Abundance

Ion 104.00 (103.70 to 104.70): V

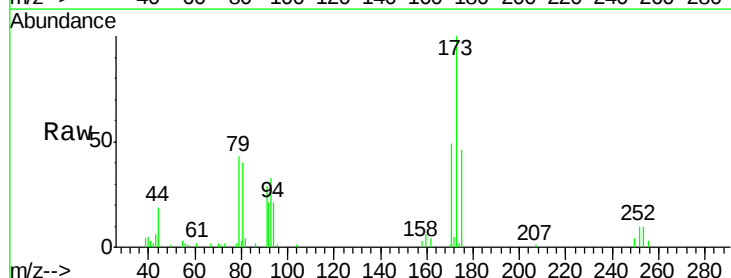
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72
Bromoform
Concen: 4.40 ug/l
RT: 12.24 min Scan# 3312
Delta R.T. -0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.4	73.4
254	0.0	0.1	0.1#

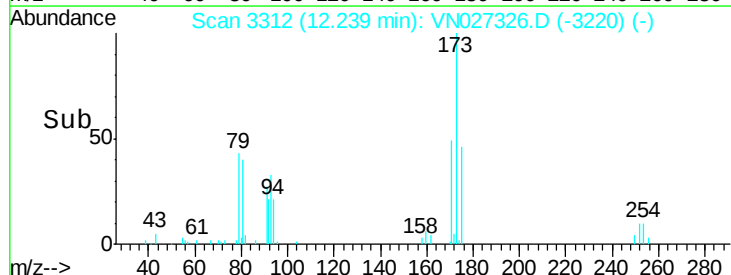
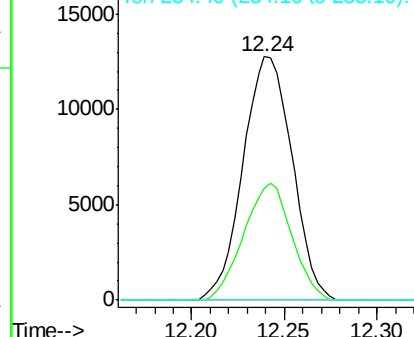


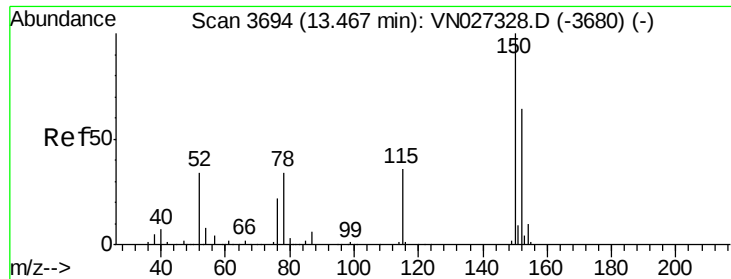
Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:152 Resp: 334820

Ion Ratio Lower Upper

152 100

115 68.5 30.8 92.3

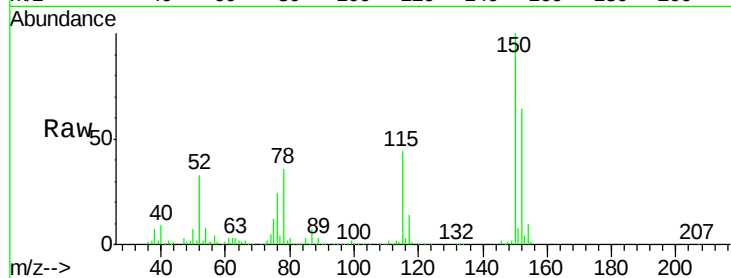
150 159.2 0.0 345.0

Manual Integrations

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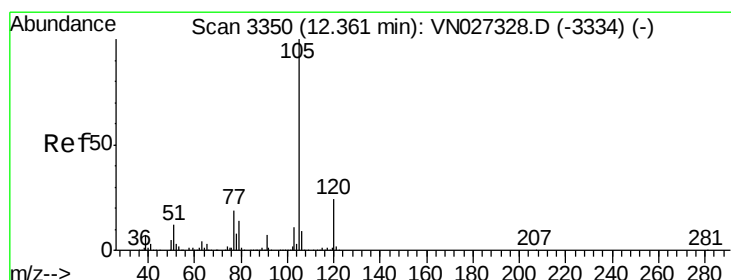
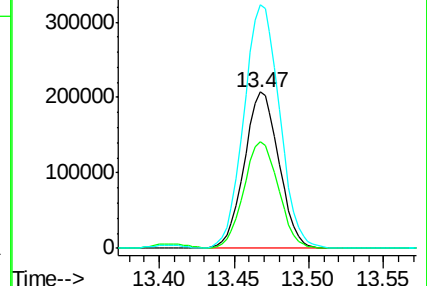
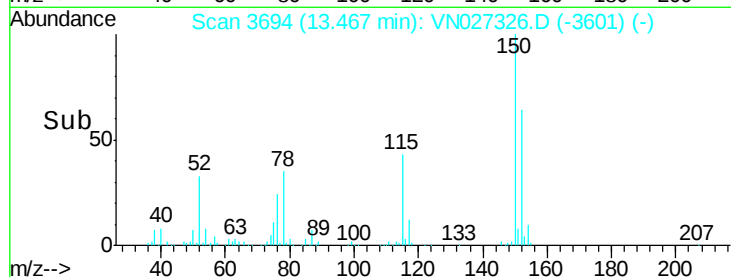
9/22/2015 2:27:45 PM



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: 5.00 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027326.D

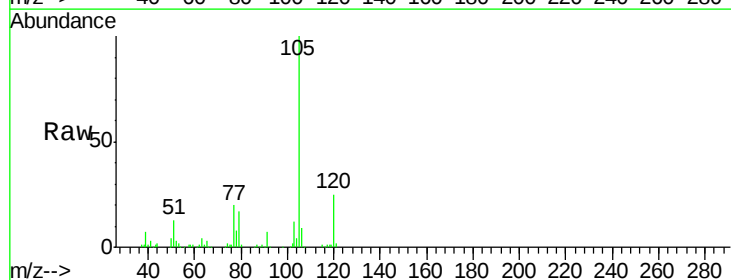
Acq: 21 Sep 2015 10:46

Tgt Ion:105 Resp: 184480

Ion Ratio Lower Upper

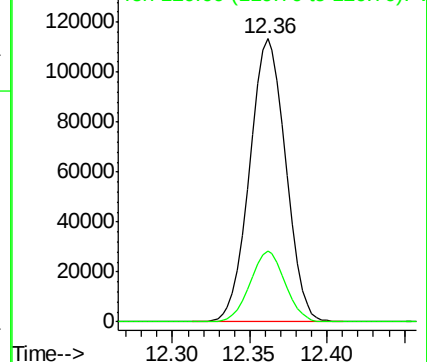
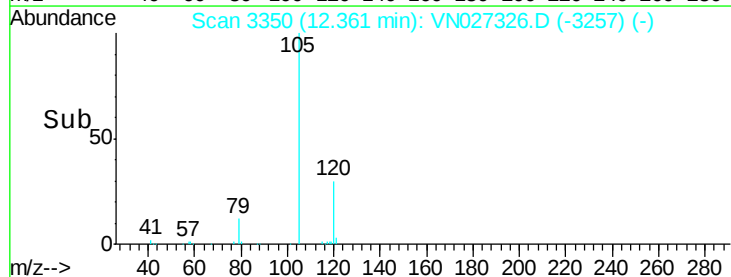
105 100

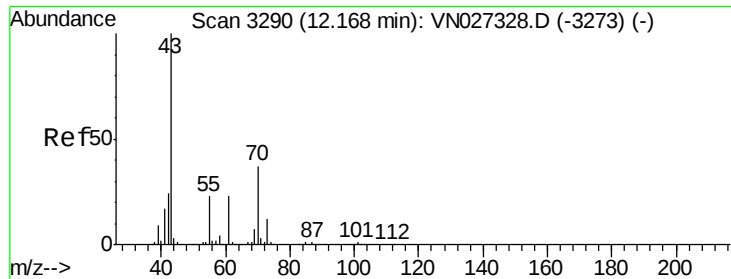
120 24.3 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





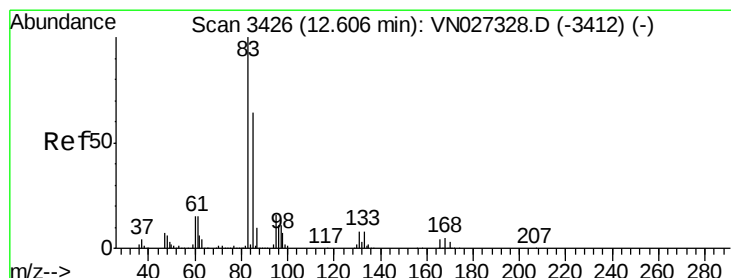
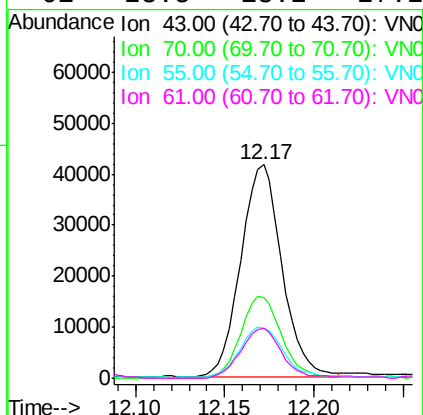
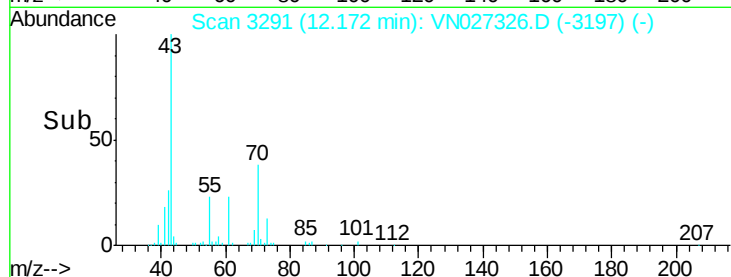
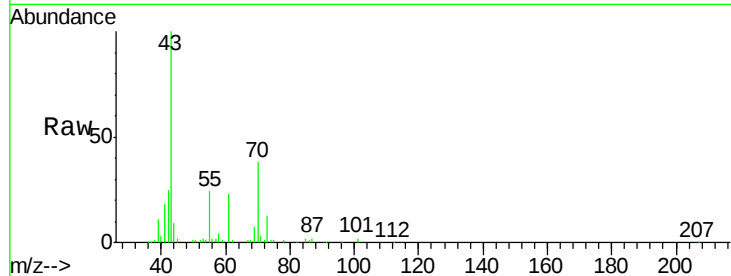
#75
N-amvl acetate
Concen: 4.12 ug/l
RT: 12.17 min Scan# 3291
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	67798
Ion	Ratio	Lower	Upper
43	100		
70	38.2	29.8	44.8
55	26.5	19.4	29.0
61	23.5	18.2	27.2

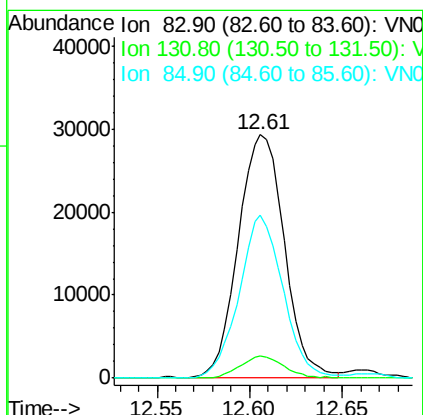
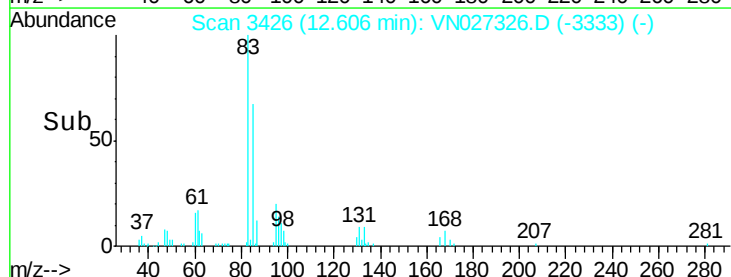
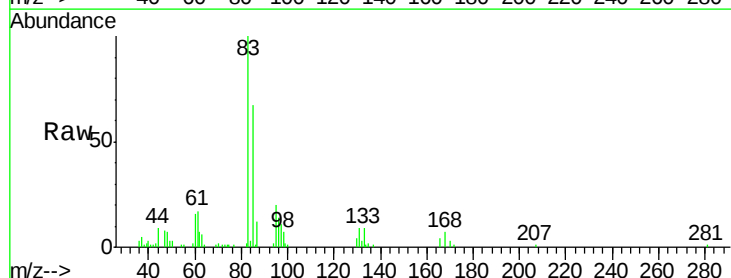
Manual Integrations
APPROVED

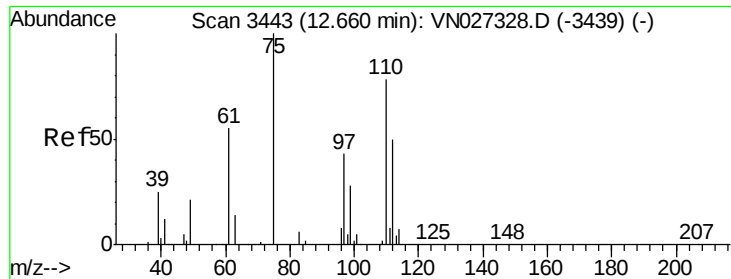
MMDadoda
9/22/2015 2:27:45 PM



#76
1,1,2,2-Tetrachloroethane
Concen: 4.65 ug/l
RT: 12.61 min Scan# 3426
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	83	Resp	50905
Ion	Ratio	Lower	Upper
83	100		
131	8.4	4.1	12.3
85	63.6	31.9	95.7





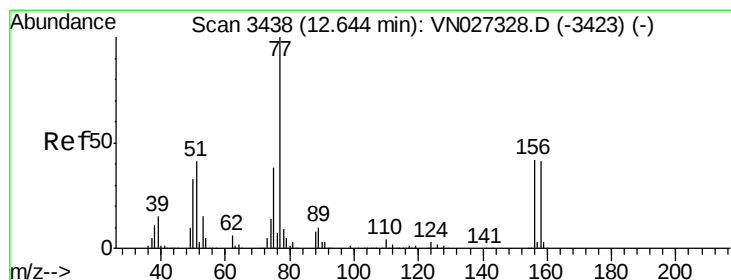
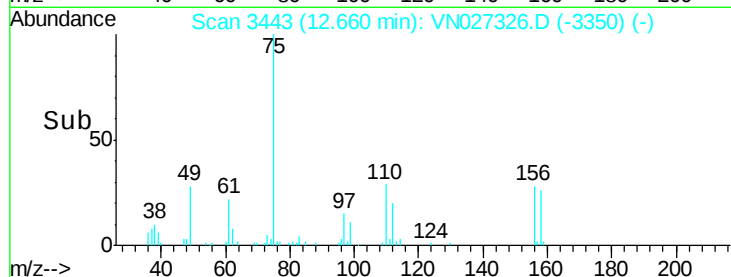
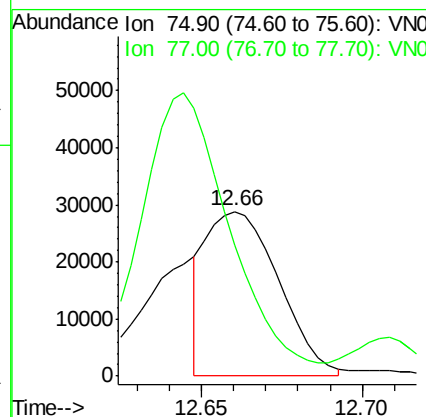
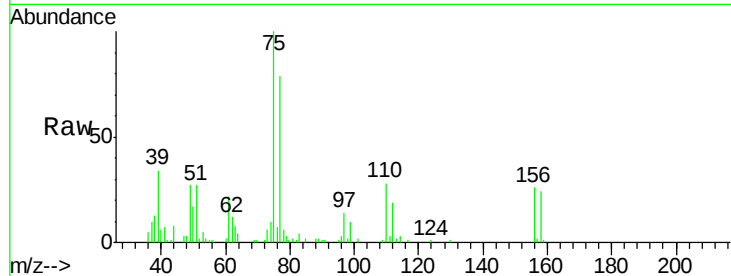
#77
 1,2,3-Trichloropropane
 Concen: 4.51 ug/l m
 RT: 12.66 min Scan# 3443
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion: 75 Resp: 45598
 Ion Ratio Lower Upper
 75 100
 77 208.7 103.1 309.3

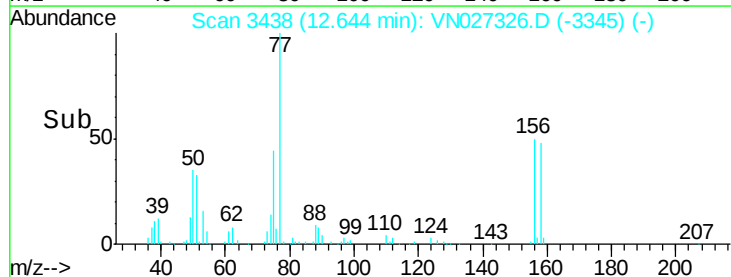
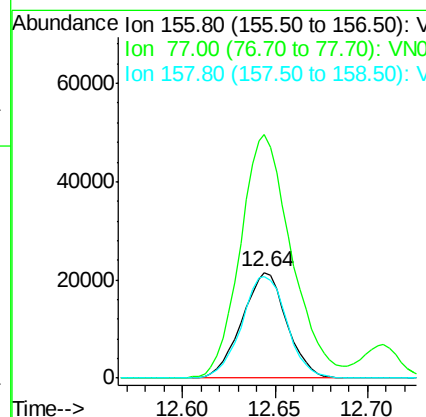
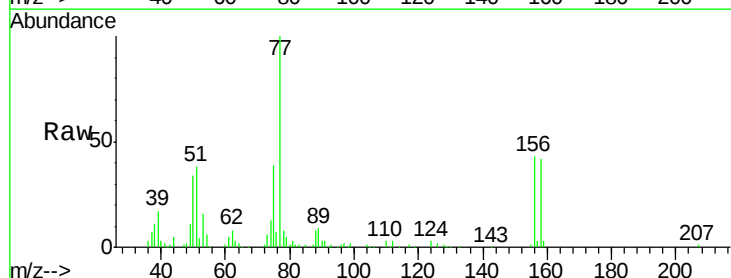
Manual Integrations
 APPROVED

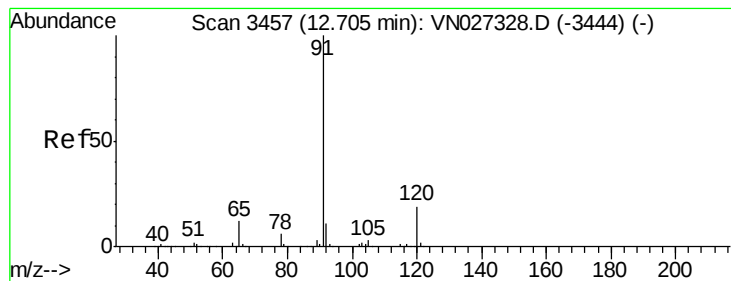
MMDadoda
 9/22/2015 2:27:45 PM



#78
 Bromobenzene
 Concen: 5.00 ug/l
 RT: 12.64 min Scan# 3438
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion: 156 Resp: 36148
 Ion Ratio Lower Upper
 156 100
 77 263.2 127.3 381.9
 158 97.0 48.0 144.2





#79

n-propylbenzene

Concen: 4.85 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 210343

Ion Ratio Lower Upper

91 100

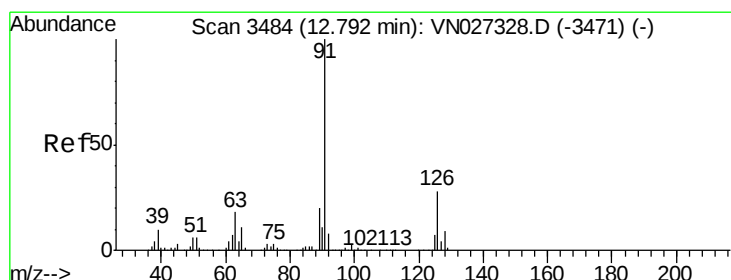
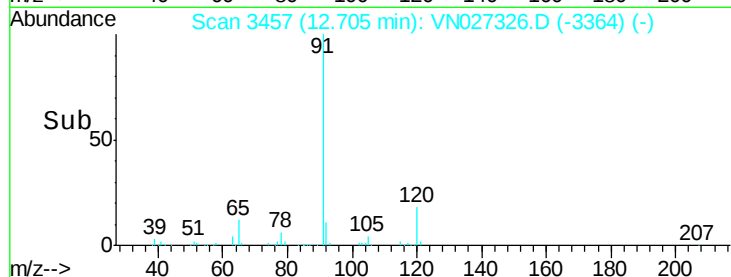
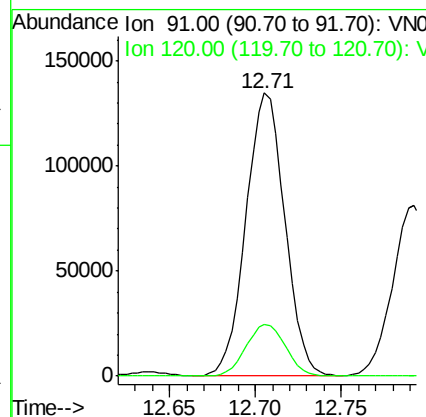
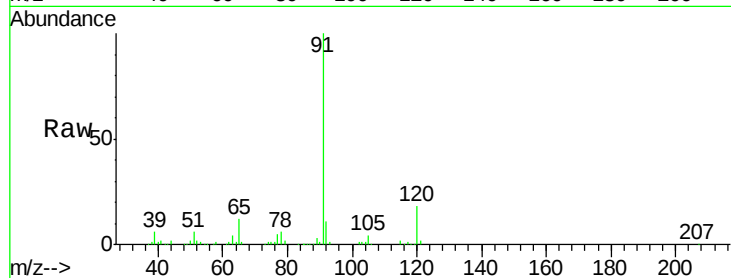
120 18.8 10.3 30.8

Manual Integrations

APPROVED

MMDadoda

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#80

2-Chlorotoluene

Concen: 5.11 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027326.D

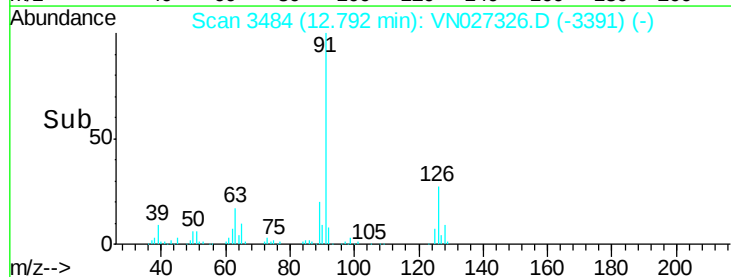
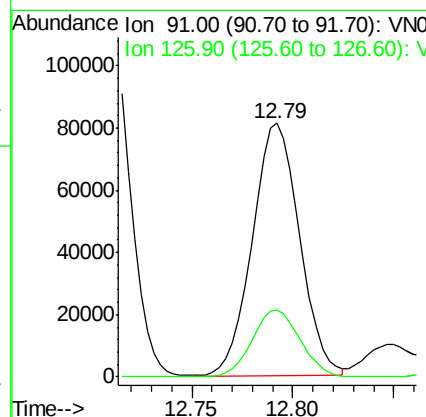
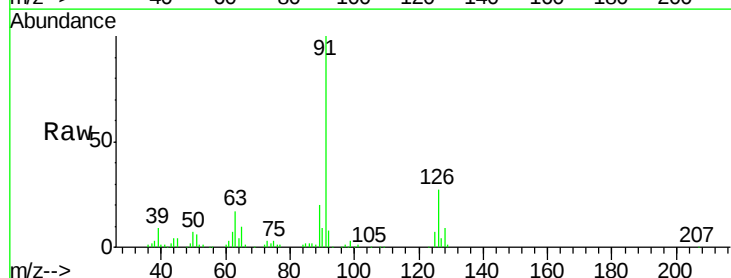
Acq: 21 Sep 2015 10:46

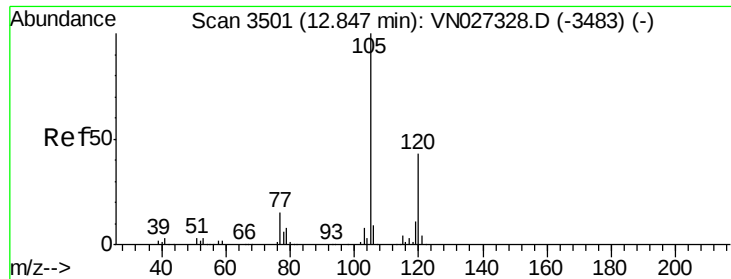
Tgt Ion: 91 Resp: 133127

Ion Ratio Lower Upper

91 100

126 27.0 15.2 45.5





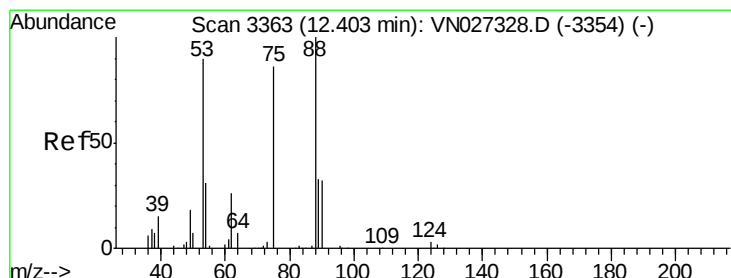
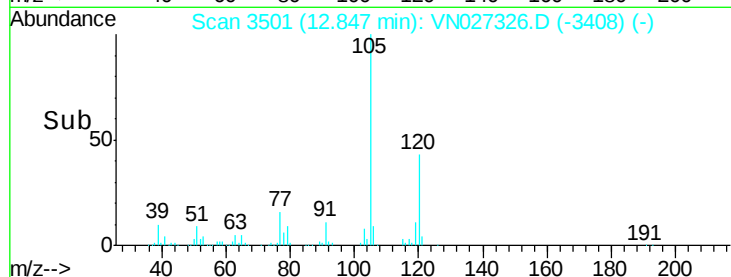
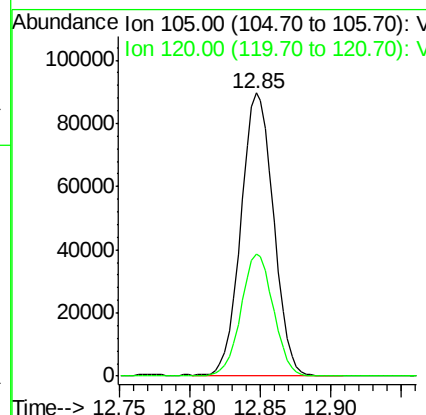
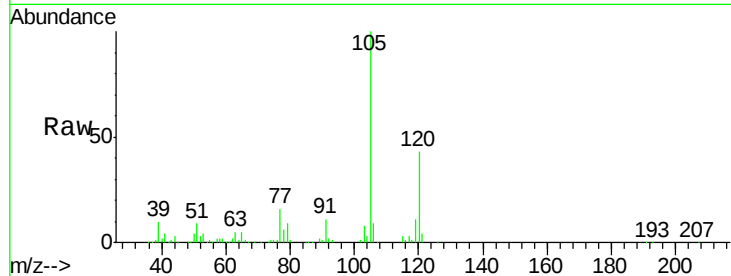
#81
 1,3,5-Trimethylbenzene
 Concen: 4.90 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.8	23.4	70.0

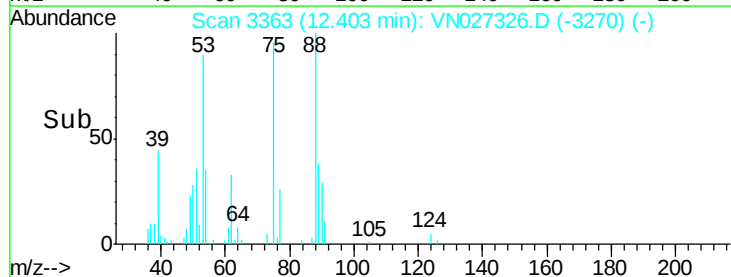
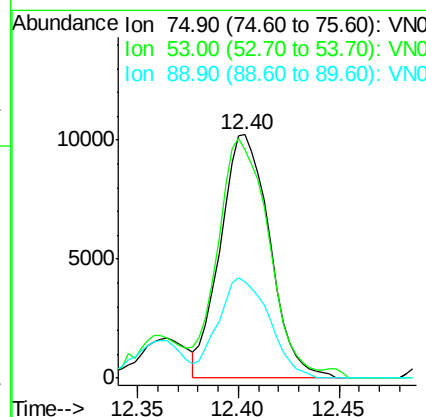
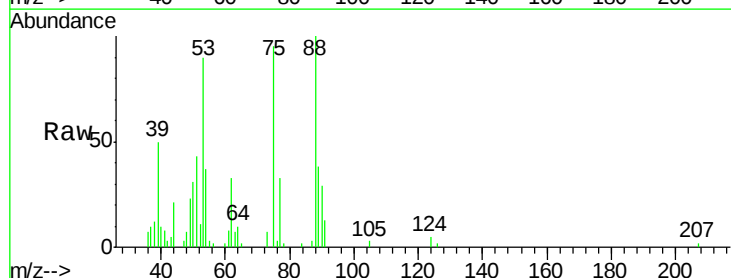
Manual Integrations
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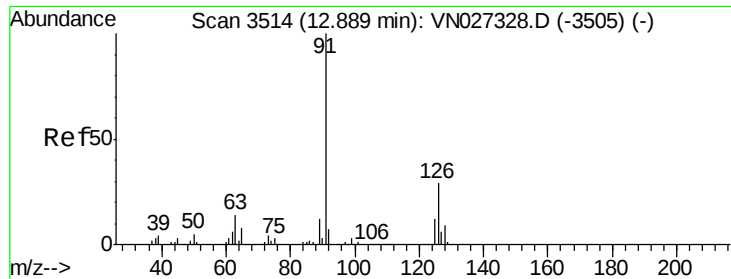
MMDadoda
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 4.24 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.9	92.9	139.3
89	42.9	34.2	51.4





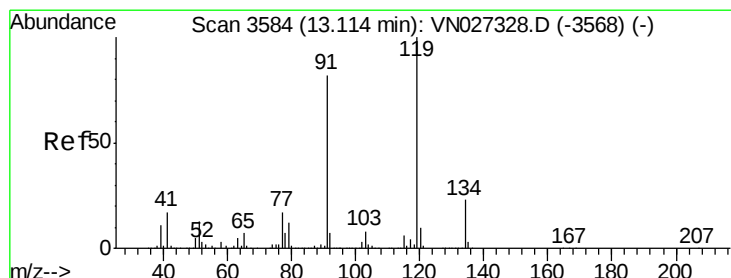
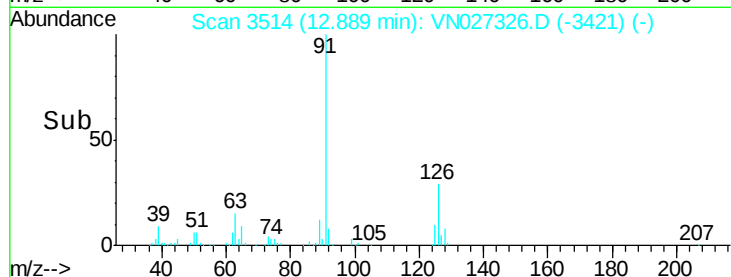
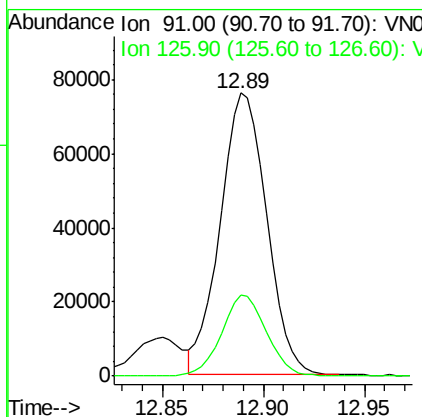
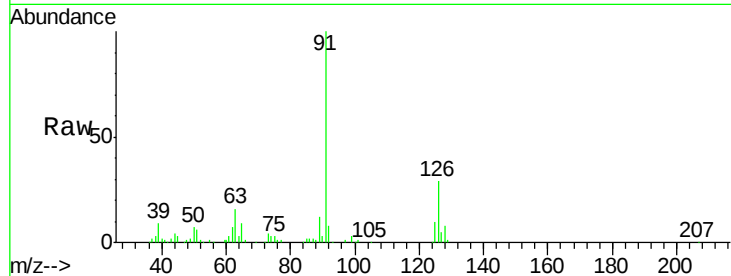
#83
4-Chlorotoluene
Concen: 4.77 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.9	44.5

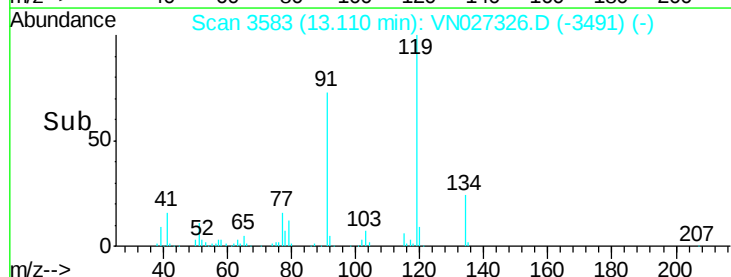
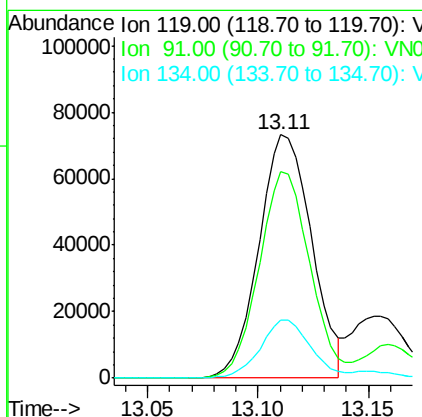
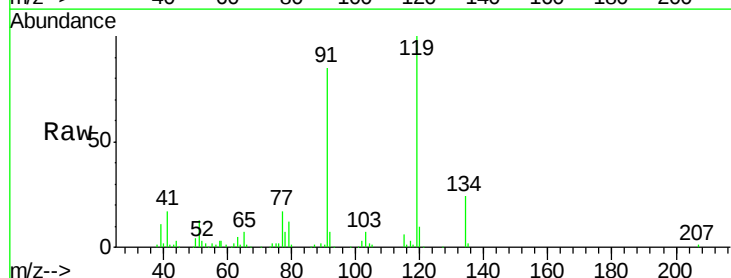
Manual Integrations
APPROVED

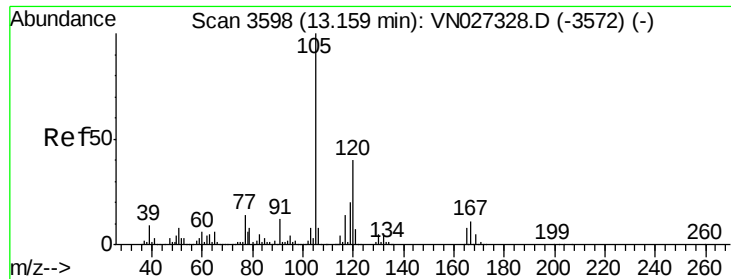
MMDadoda
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#84
tert-Butylbenzene
Concen: 4.97 ug/l
RT: 13.11 min Scan# 3583
Delta R.T. -0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
119	100		
91	81.4	34.6	103.8
134	22.5	11.4	34.2





#85

1,2,4-Trimethylbenzene

Concen: 4.85 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampled :

VSTDIC005

Tot Ion:105 Resp: 144262

Ion Ratio Lower Upper

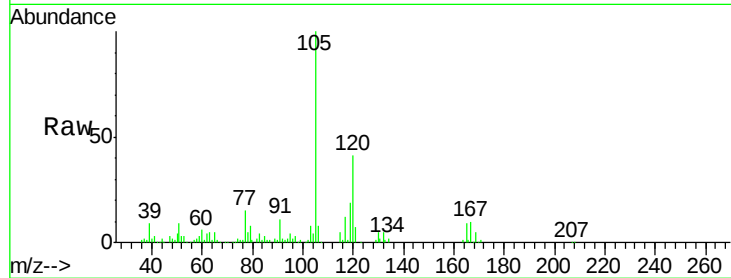
105 100

120 41.5 21.9 65.5

Manual Integrations
APPROVED

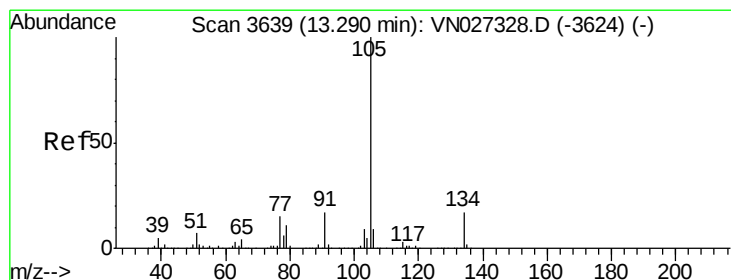
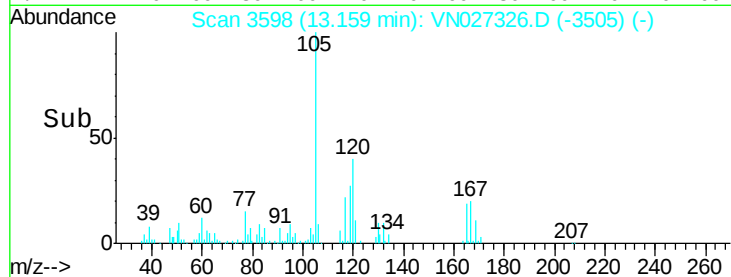
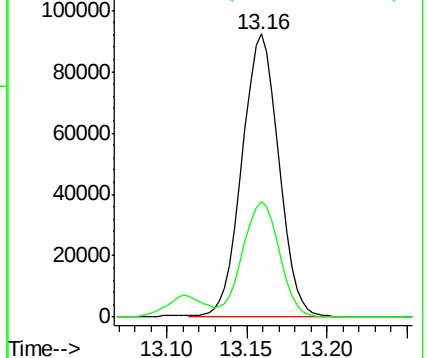
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

sec-Butylbenzene

Concen: 4.78 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027326.D

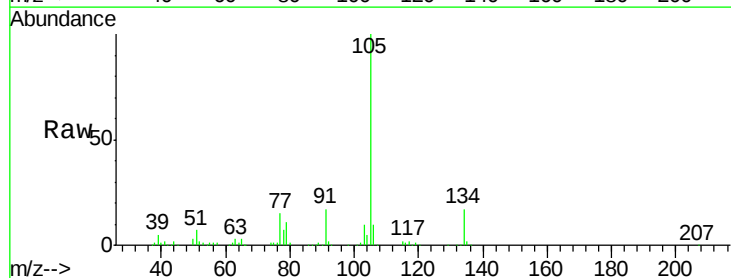
Acq: 21 Sep 2015 10:46

Tgt Ion:105 Resp: 171311

Ion Ratio Lower Upper

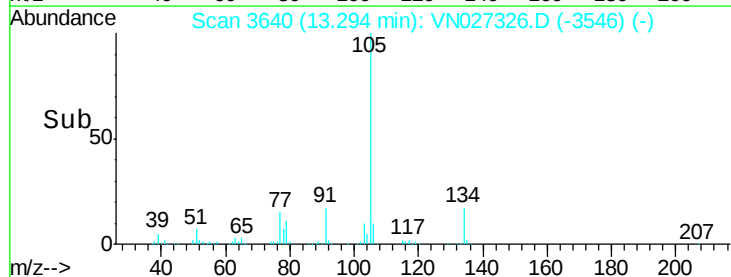
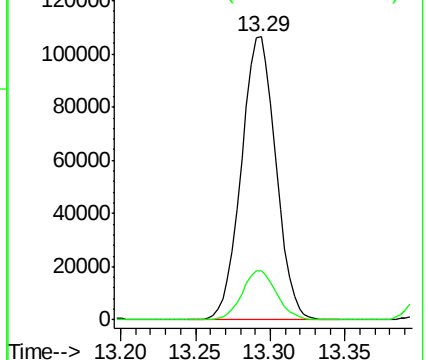
105 100

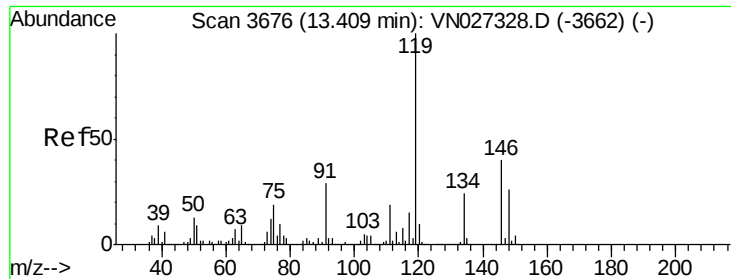
134 17.4 8.8 26.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





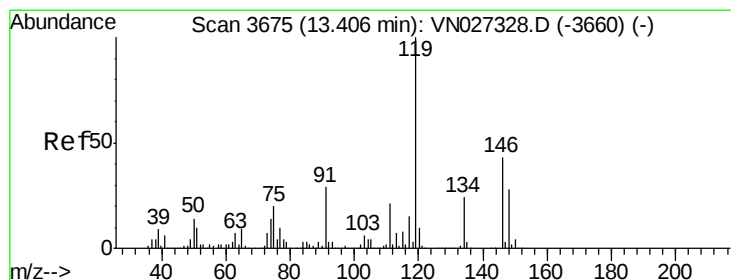
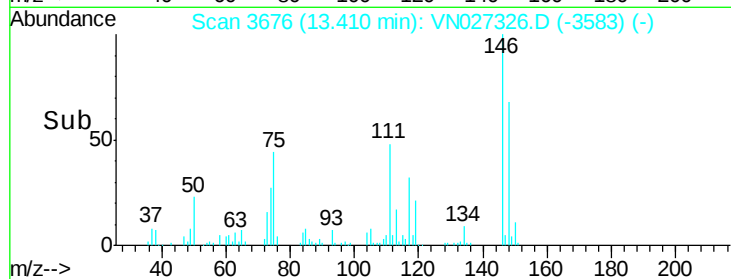
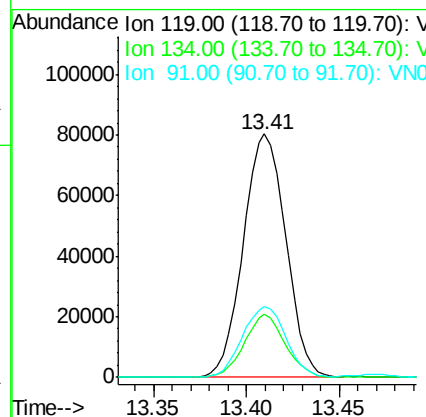
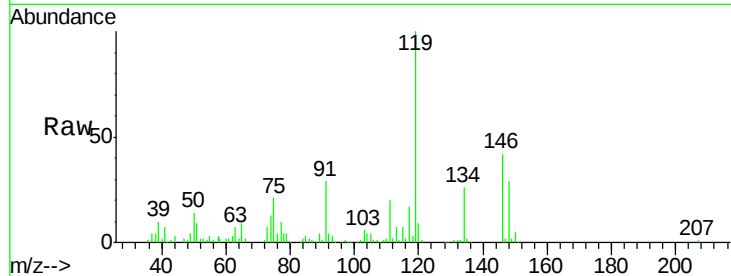
#87
 p-Isopropyltoluene
 Concen: 4.63 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.4	37.0
91	29.9	12.0	36.1

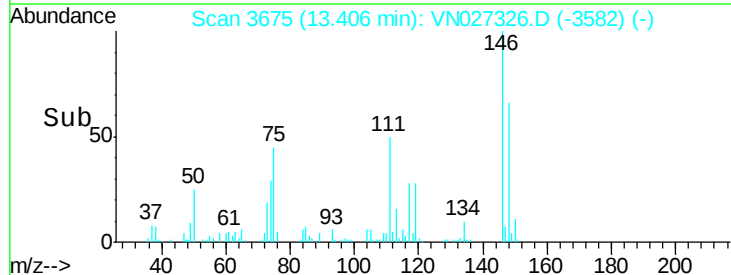
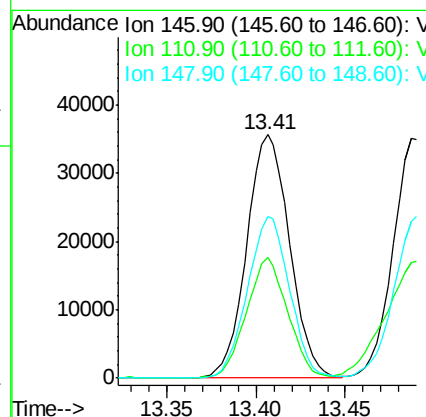
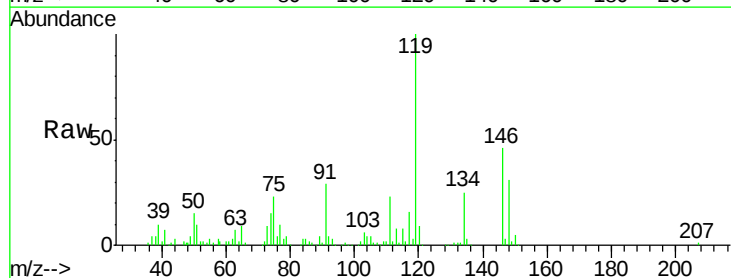
Manual Integrations
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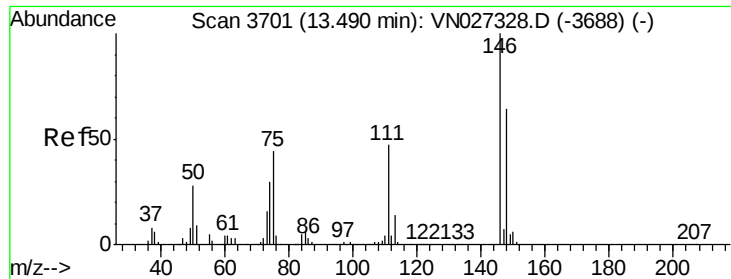
MMDadoda
 9/22/2015 2:27:45 PM



#88
 1,3-Dichlorobenzene
 Concen: 4.85 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.6	21.0	63.0
148	65.1	31.9	95.9





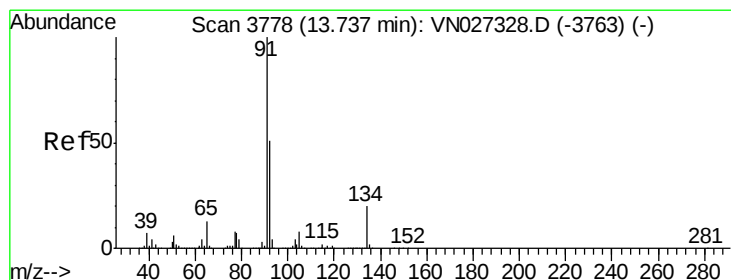
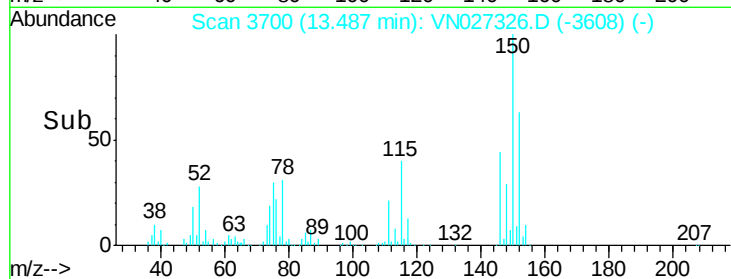
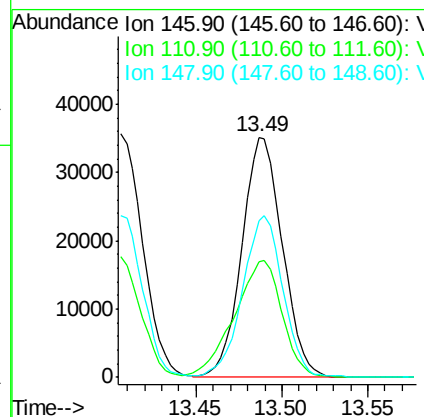
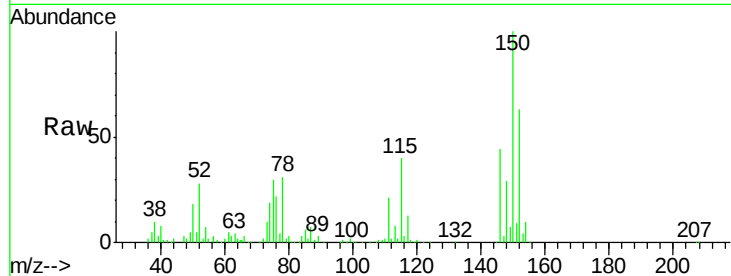
#89
 1,4-Dichlorobenzene
 Concen: 4.60 ug/l
 RT: 13.49 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	57.3	19.9	59.6
148	67.2	31.7	95.1

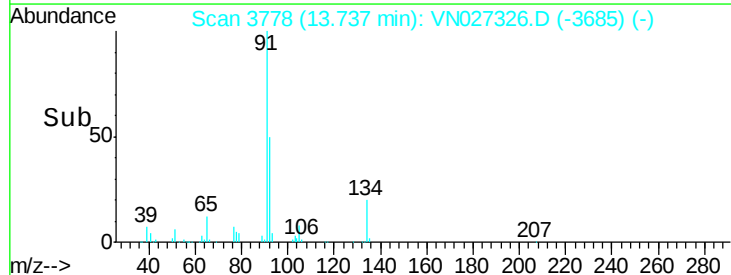
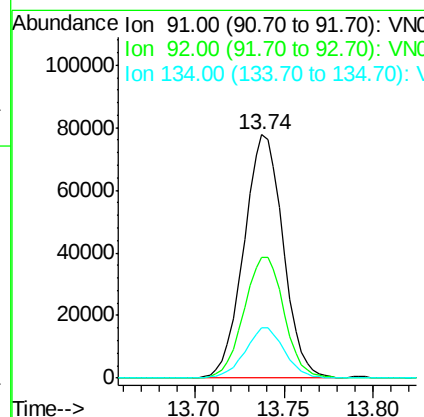
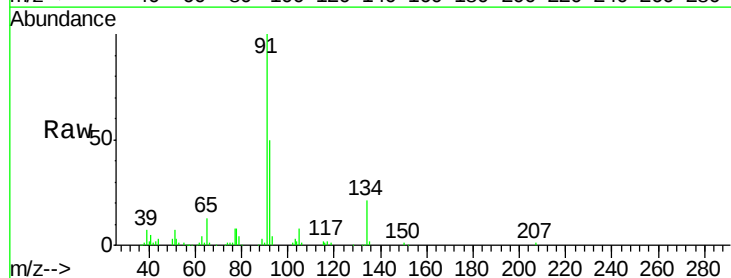
Manual Integrations
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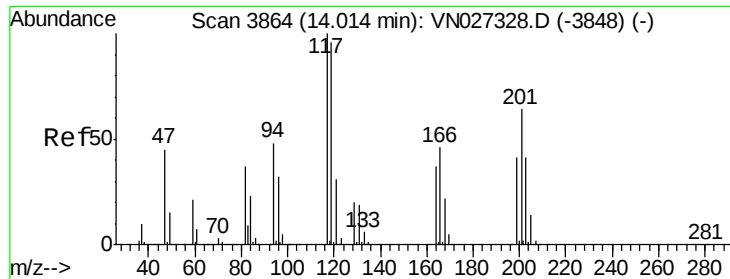
MMDadoda
 9/22/2015 2:27:45 PM



#90
 n-Butylbenzene
 Concen: 4.45 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.7	26.1	78.2
134	20.8	11.1	33.1





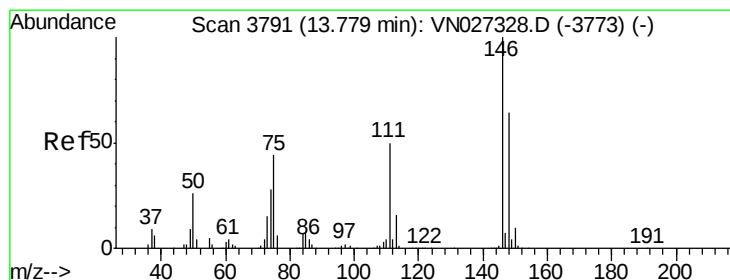
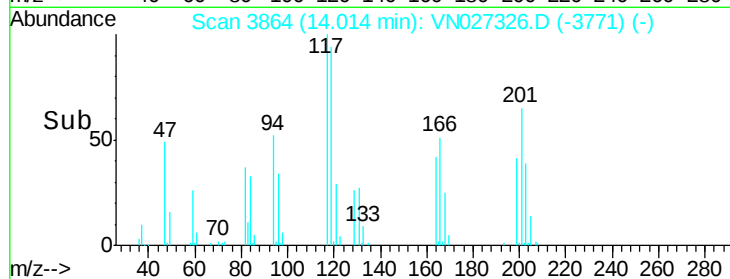
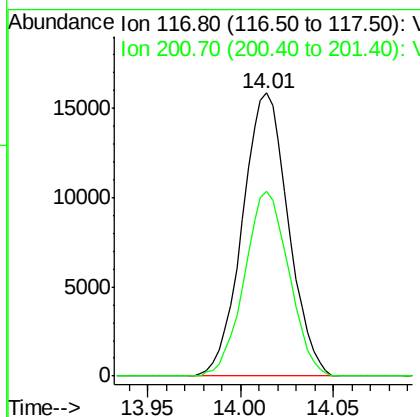
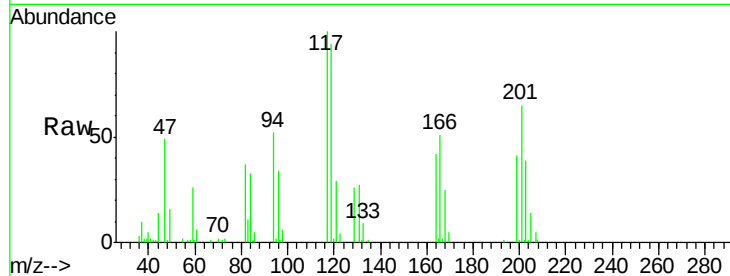
#91
Hexachloroethane
Concen: 4.52 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

Tot Ion:117 Resp: 27315
Ion Ratio Lower Upper
117 100
201 63.2 34.9 104.7

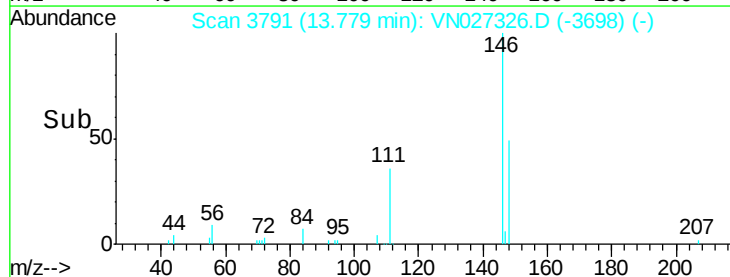
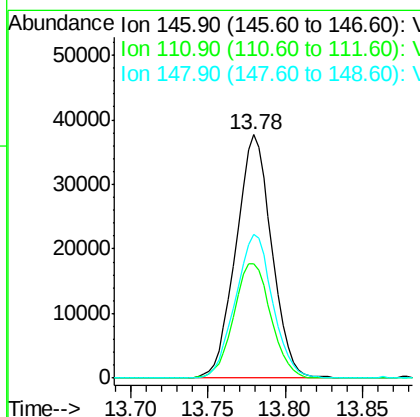
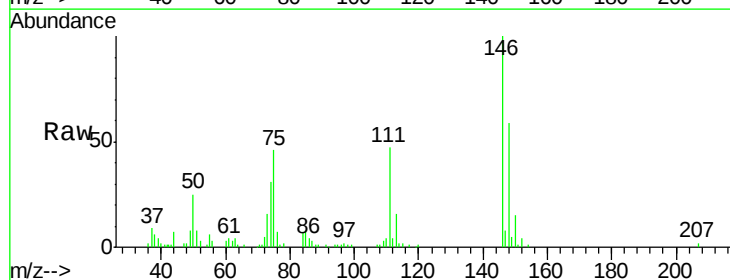
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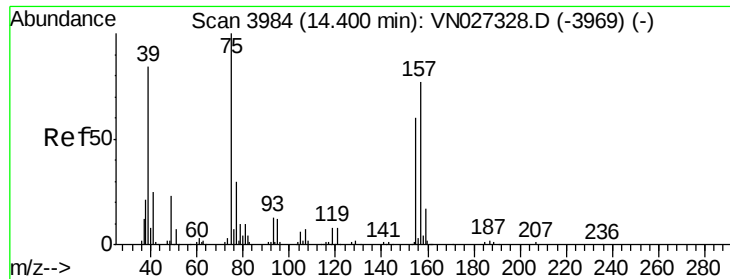
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#92
1,2-Dichlorobenzene
Concen: 4.95 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027326.D
Acq: 21 Sep 2015 10:46

Tgt Ion:146 Resp: 60545
Ion Ratio Lower Upper
146 100
111 48.9 22.1 66.3
148 61.5 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 3.71 ug/l

RT: 14.40 min Scan# 3985

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion: 75 Resp: 8887

Ion Ratio Lower Upper

75 100

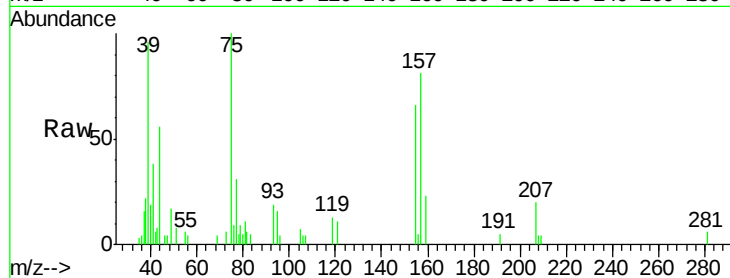
155 56.5 35.6 106.9

157 71.3 44.6 133.8

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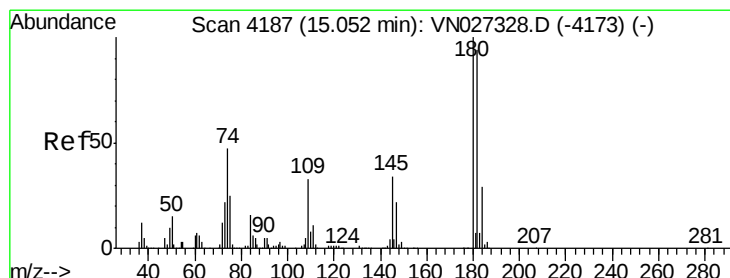
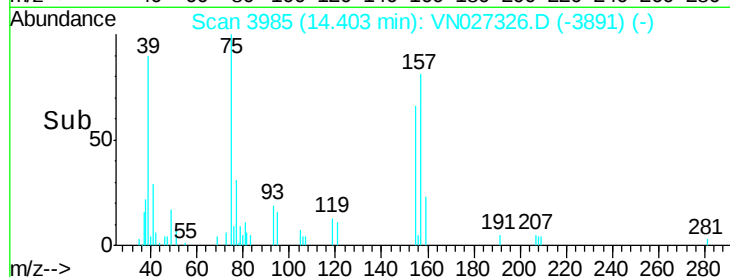
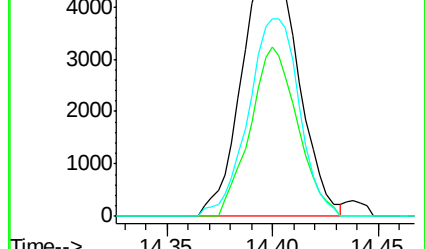


Abundance Ion 74.90 (74.60 to 75.60): VN027328.D (-3969) (-)

Ion 154.80 (154.50 to 155.50): VN027328.D (-3969) (-)

Ion 156.80 (156.50 to 157.50): VN027328.D (-3969) (-)

Time-->



#94

1,2,4-Trichlorobenzene

Concen: 3.73 ug/l

RT: 15.05 min Scan# 4187

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

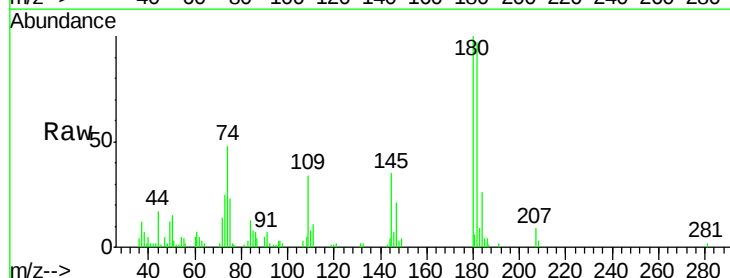
Tgt Ion: 180 Resp: 24629

Ion Ratio Lower Upper

180 100

182 101.2 47.5 142.5

145 37.6 15.1 45.3

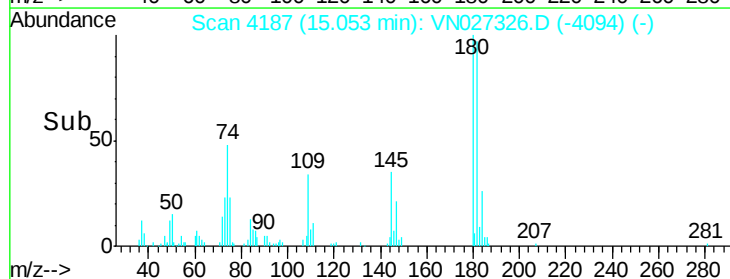
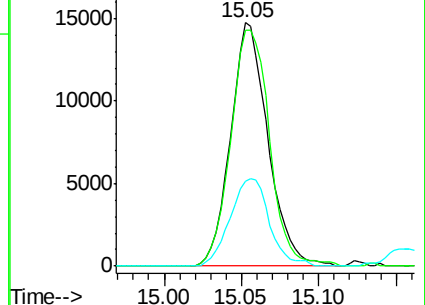


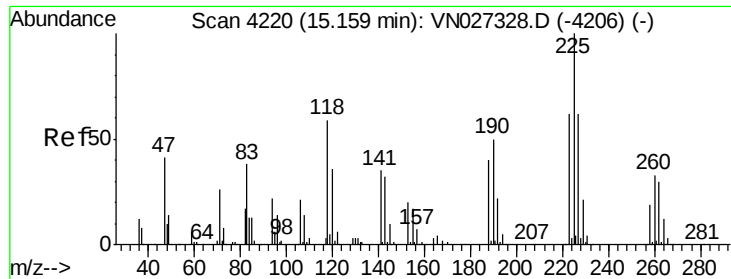
Abundance Ion 179.80 (179.50 to 180.50): VN027328.D (-4173) (-)

Ion 181.80 (181.50 to 182.50): VN027328.D (-4173) (-)

Ion 144.80 (144.50 to 145.50): VN027328.D (-4173) (-)

Time-->





#95

Hexachlorobutadiene

Concen: 4.96 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

Tot Ion:225 Resp: 17275

Ion Ratio Lower Upper

225 100

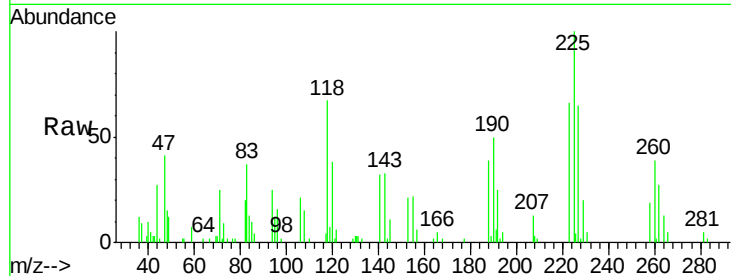
223 60.3 30.8 92.3

227 60.7 31.7 95.1

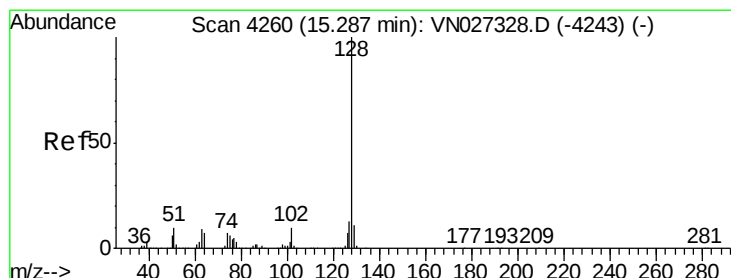
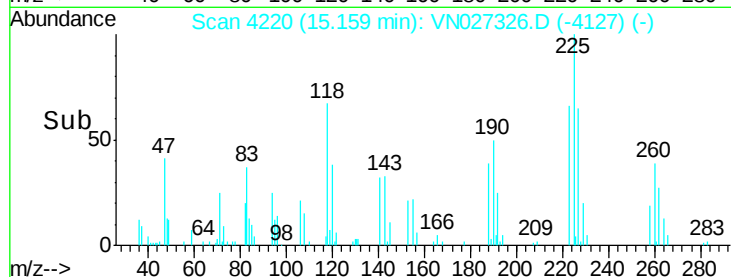
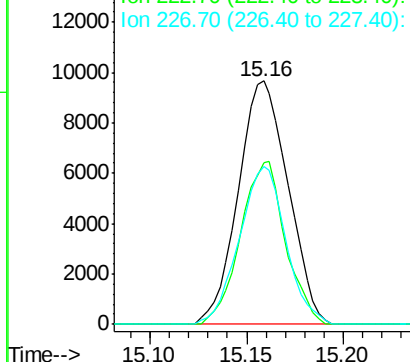
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Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V



#96

Naphthalene

Concen: 3.31 ug/l

RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

Lab File: VN027326.D

Acq: 21 Sep 2015 10:46

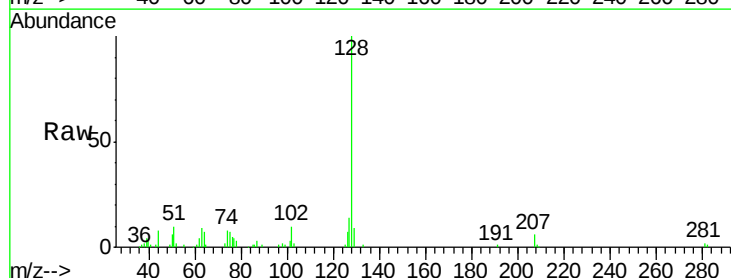
Tgt Ion:128 Resp: 64055

Ion Ratio Lower Upper

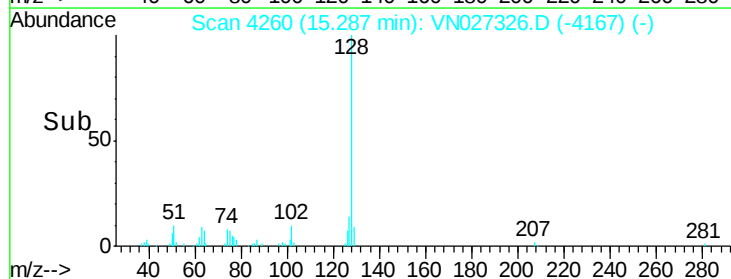
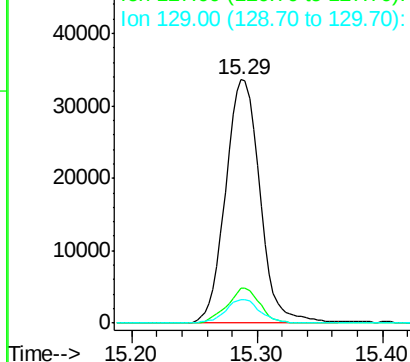
128 100

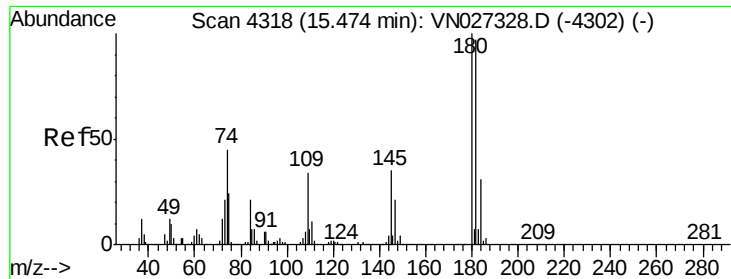
127 13.4 10.4 15.6

129 9.7 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





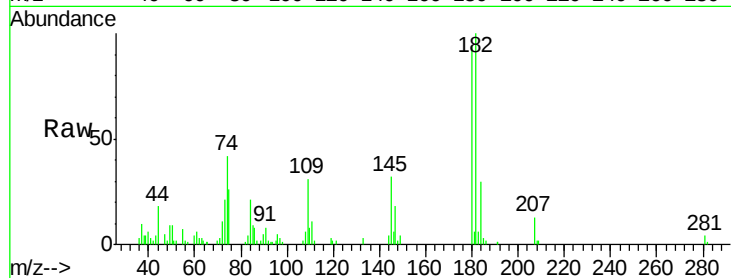
#97
 1,2,3-Trichlorobenzene
 Concen: 3.86 ug/l
 RT: 15.48 min Scan# 4319
 Delta R.T. 0.00 min
 Lab File: VN027326.D
 Acq: 21 Sep 2015 10:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	100.4	48.8	146.4	
145	32.5	16.6	49.8	

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Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

