

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN092115\
 Data File : VN027329.D
 Acq On : 21 Sep 2015 12:16
 Operator : MD\FY
 Sample : VSTDICC100
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 9/22/2015 2:27:58 PM

Quant Time: Sep 21 12:53:57 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	569713	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1065062	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	916702	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	362316	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	1103899	94.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.14%	
36) Dibromofluoromethane	7.68	113	693467	93.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.86%	
51) Toluene-d8	10.19	98	2644621	91.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	182.98%	
63) 4-Bromofluorobenzene	12.52	95	972790	94.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	577761	84.75	ug/l	100
3) Chlorodifluoromethane	1.82	51	751056	95.21	ug/l	93
4) Chloromethane	2.01	50	642961	78.33	ug/l	100
5) Vinyl Chloride	2.14	62	732748	91.01	ug/l	98
6) Bromomethane	2.53	94	321655	78.46	ug/l	98
7) Chloroethane	2.68	64	463777	84.74	ug/l	100
8) Trichlorofluoromethane	3.02	101	1081431	88.92	ug/l	97
9) Diethyl Ether	3.42	74	487683	87.15	ug/l	86
10) 1,1,2-Trichlorotrifluoroet	3.79	101	669004	87.58	ug/l	96
11) Methyl Iodide	3.99	142	572021	77.05	ug/l	93
12) Tert butyl alcohol	4.80	59	449170	393.51	ug/l	98
13) 1,1-Dichloroethene	3.76	96	646272	88.35	ug/l	95
14) Acrolein	3.61	56	642299	479.00	ug/l	97
15) Allyl chloride	4.37	41	1269293	85.91	ug/l	# 82
16) Acrylonitrile	5.02	53	1716520	459.86	ug/l	98
17) Acetone	3.82	43	1487595	472.67	ug/l	95
18) Carbon Disulfide	4.11	76	1897877	79.67	ug/l	100
19) Methyl Acetate	4.36	43	2064606	90.57	ug/l	95
20) Methyl tert-butyl Ether	5.11	73	2592562	88.28	ug/l	97
21) Methylene Chloride	4.60	84	772330	88.09	ug/l	99
22) trans-1,2-Dichloroethene	5.12	96	700094	88.48	ug/l	96
23) Diisopropyl ether	6.03	45	2762215	89.11	ug/l	92
24) Vinyl Acetate	5.97	43	4811335	468.93	ug/l	98
25) 1,1-Dichloroethane	5.93	63	1586077	88.07	ug/l	99
26) 2-Butanone	6.91	43	2124069	448.18	ug/l	98
27) 2,2-Dichloropropane	6.92	77	1401248	89.68	ug/l	93
28) cis-1,2-Dichloroethene	6.92	96	827752	91.22	ug/l	93
29) Bromochloromethane	7.29	49	598976	85.69	ug/l	98
30) Tetrahydrofuran	7.31	42	1331158	407.55	ug/l	91
31) Chloroform	7.46	83	1505237	92.51	ug/l	98
32) Cyclohexane	7.77	56	1432036	71.61	ug/l	94
33) 1,1,1-Trichloroethane	7.67	97	1322731	91.17	ug/l	97
37) 1,1-Dichloropropene	7.89	75	1143520	91.72	ug/l	97
38) Ethyl Acetate	7.01	43	943776	82.37	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	1060547	90.48	ug/l	100
40) Methylcyclohexane	9.19	83	1333200	87.81	ug/l	97
41) Benzene	8.14	78	3268029	89.84	ug/l	99
42) Methacrylonitrile	7.24	41	559902	92.90	ug/l #	93
43) 1,2-Dichloroethane	8.22	62	1339485	91.40	ug/l	95
44) Isopropyl Acetate	8.25	43	1762524	88.46	ug/l	97
45) Trichloroethene	8.93	130	653455	89.43	ug/l	90
46) 1,2-Dichloropropane	9.21	63	921754	88.07	ug/l	99
47) Dibromomethane	9.30	93	552496	89.91	ug/l	93
48) Bromodichloromethane	9.49	83	1199072	92.59	ug/l	100
49) Methyl methacrylate	9.29	41	858399	86.48	ug/l #	88
50) 1,4-Dioxane	9.29	88	189420	1627.07	ug/l	95
52) 4-Methyl-2-Pentanone	10.07	43	4411772	418.82	ug/l	99
53) Toluene	10.26	92	1924055	90.30	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	1316633	90.54	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	1422846	89.94	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	731914	91.40	ug/l	98
57) Ethyl methacrylate	10.52	69	1187662	88.01	ug/l #	90
58) 1,3-Dichloropropane	10.80	76	1339728	90.12	ug/l	98
59) 2-Chloroethyl Vinyl ether	9.78	63	2653259	428.21	ug/l	98
60) 2-Hexanone	10.84	43	3000641	418.39	ug/l	99
61) Dibromochloromethane	11.00	129	740039	90.49	ug/l	99
62) 1,2-Dibromoethane	11.11	107	710714	90.31	ug/l	98
65) Tetrachloroethene	10.74	164	506120	86.34	ug/l	95
66) Chlorobenzene	11.54	112	1909235	88.22	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	646744	87.61	ug/l	98
68) Ethyl Benzene	11.62	91	3679551	89.66	ug/l	99
69) m/p-Xylenes	11.73	106	2558921	180.73	ug/l	89
70) o-Xylene	12.06	106	1260757	88.82	ug/l	88
71) Styrene	12.07	104	2126632	92.81	ug/l	95
72) Bromoform	12.24	173	449095	87.48	ug/l #	100
74) Isopropylbenzene	12.36	105	3460124	86.66	ug/l	98
75) N-amyl acetate	12.17	43	1474947	82.77	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	937992	79.11	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	814092m	74.35	ug/l	
78) Bromobenzene	12.64	156	668062	85.33	ug/l	92
79) n-propylbenzene	12.71	91	4206528	89.55	ug/l	97
80) 2-Chlorotoluene	12.79	91	2485391	88.12	ug/l	94
81) 1,3,5-Trimethylbenzene	12.85	105	2816784	87.81	ug/l	94
82) trans-1,4-Dichloro-2-buten	12.40	75	350509	78.63	ug/l	92
83) 4-Chlorotoluene	12.89	91	2504634	90.38	ug/l	95
84) tert-Butylbenzene	13.11	119	2218908	83.85	ug/l	88
85) 1,2,4-Trimethylbenzene	13.16	105	2833148	87.94	ug/l	94
86) sec-Butylbenzene	13.29	105	3433560	88.56	ug/l	99
87) p-Isopropyltoluene	13.41	119	2631551	88.13	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	1197491	89.38	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	1189311	87.65	ug/l	95
90) n-Butylbenzene	13.74	91	2728331	94.15	ug/l	99
91) Hexachloroethane	14.01	117	545577	83.49	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	1173825	88.66	ug/l	96

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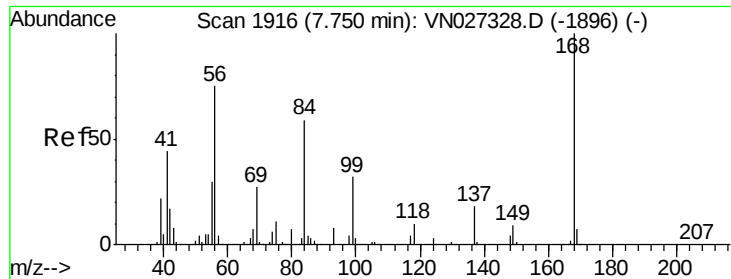
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	201624	77.71	ug/l	85
94) 1,2,4-Trichlorobenzene	15.06	180	695620	97.26	ug/l	98
95) Hexachlorobutadiene	15.16	225	325776	86.48	ug/l	98
96) Naphthalene	15.29	128	1971629	94.03	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	685728	96.45	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 569713

Ion Ratio Lower Upper

168 100

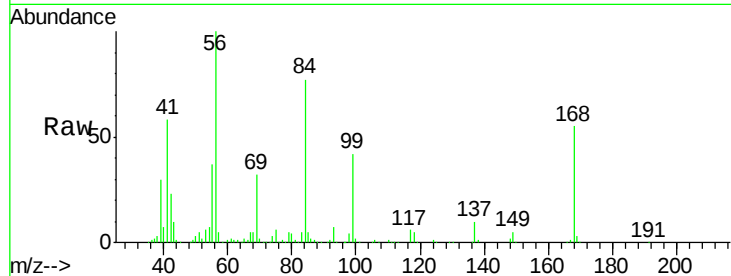
99 75.0 50.4 75.6

Manual Integrations

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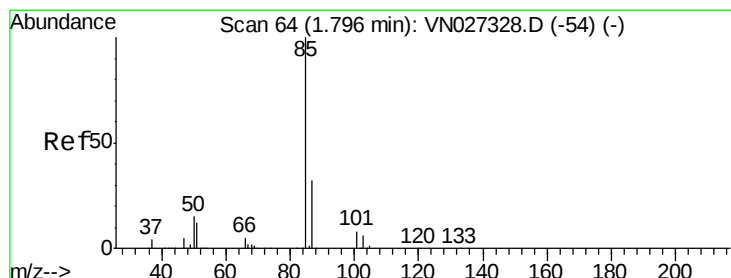
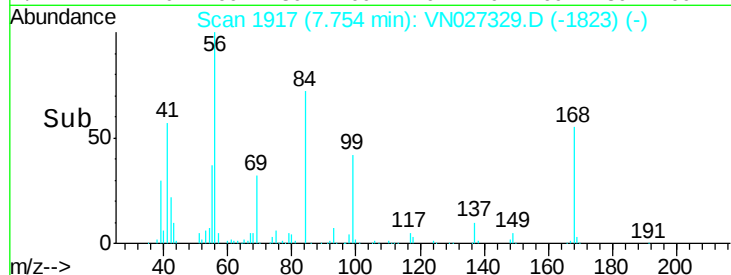
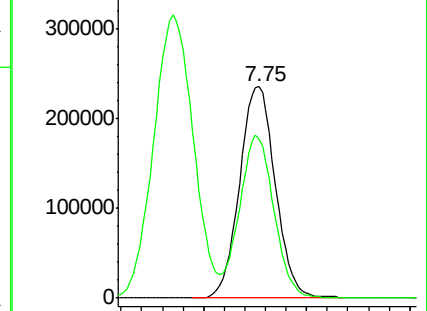
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 84.75 ug/l

RT: 1.80 min Scan# 64

Delta R.T. 0.00 min

Lab File: VN027329.D

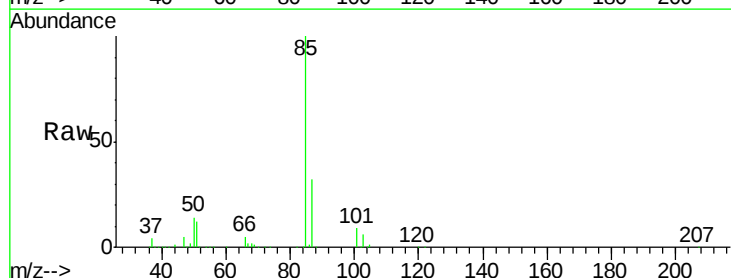
Acq: 21 Sep 2015 12:16

Tgt Ion: 85 Resp: 577761

Ion Ratio Lower Upper

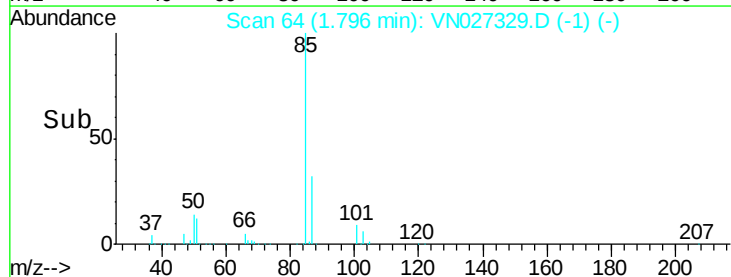
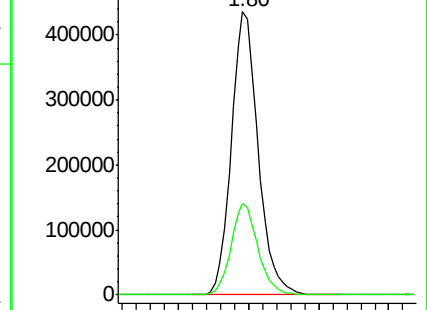
85 100

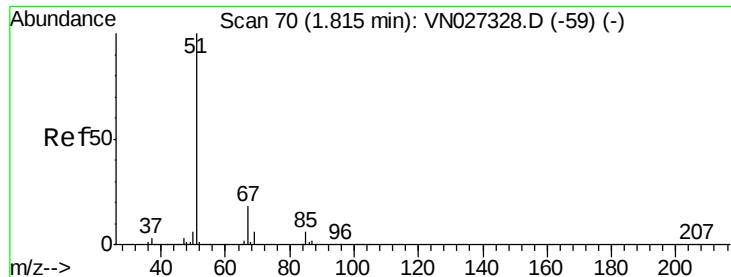
87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 95.21 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Tot Ion: 51 Resp: 751056

Ion Ratio Lower Upper

51 100

67 18.2 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

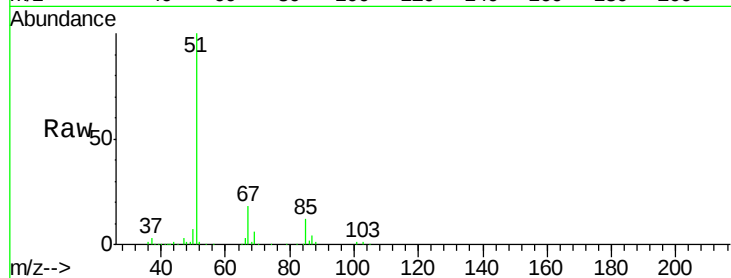
VSTDIC100

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Abundance Ion 51.00 (50.70 to 51.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

1.82

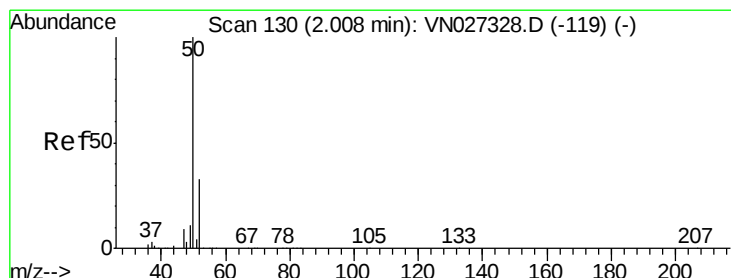
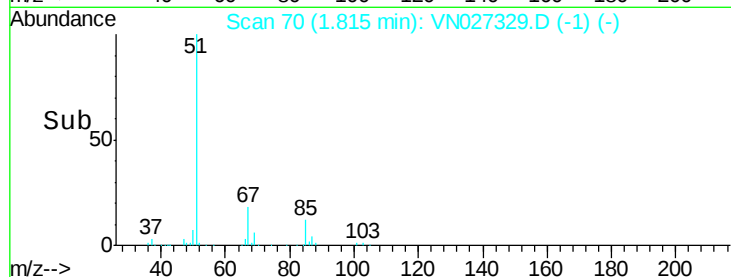
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 78.33 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027329.D

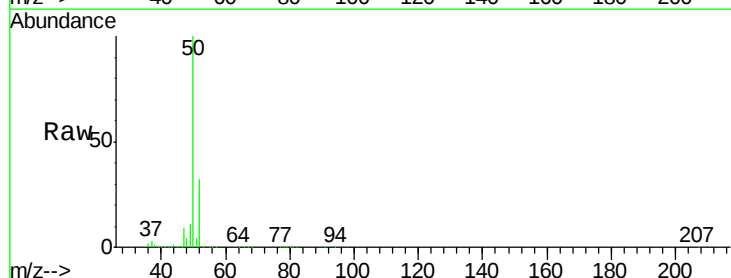
Acq: 21 Sep 2015 12:16

Tgt Ion: 50 Resp: 642961

Ion Ratio Lower Upper

50 100

52 32.5 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.01

600000

500000

400000

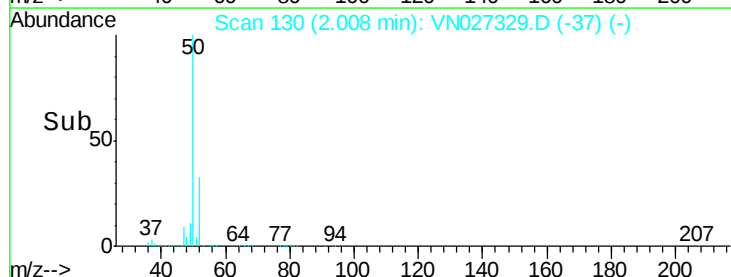
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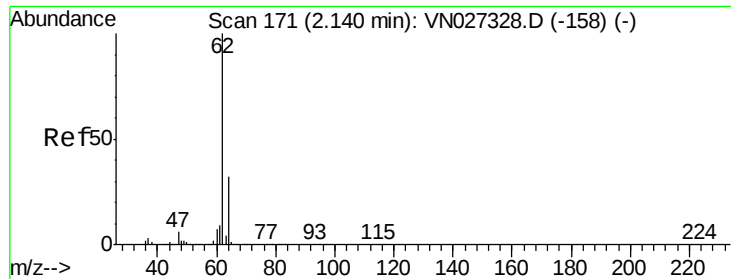
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 91.01 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 62 Resp: 732748

Ion Ratio Lower Upper

62 100

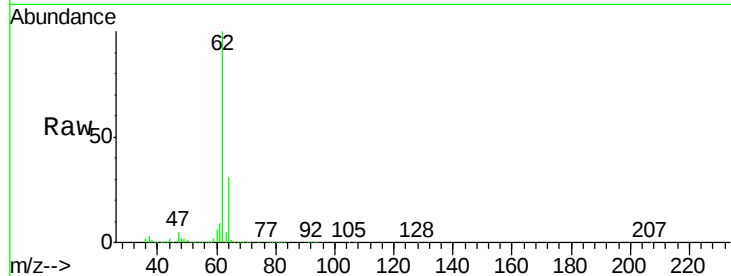
64 31.0 25.9 38.9

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.14

500000

400000

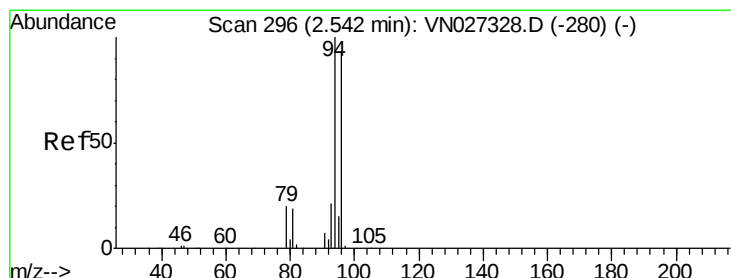
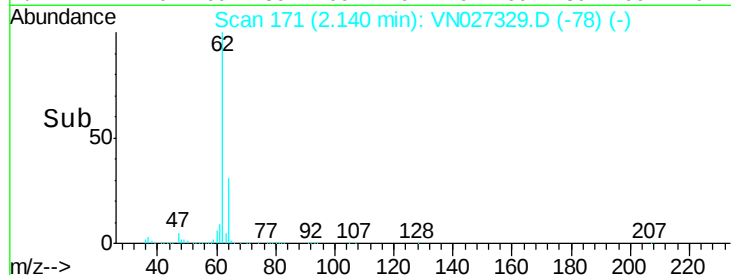
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 78.46 ug/l

RT: 2.53 min Scan# 292

Delta R.T. -0.01 min

Lab File: VN027329.D

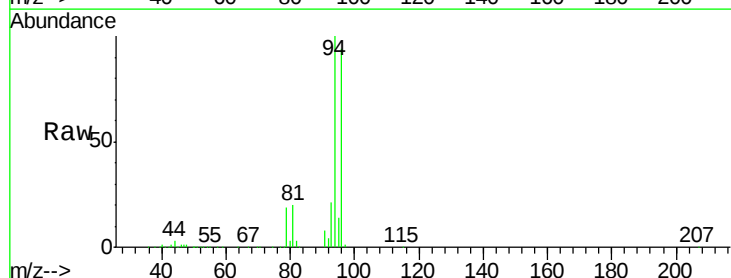
Acq: 21 Sep 2015 12:16

Tgt Ion: 94 Resp: 321655

Ion Ratio Lower Upper

94 100

96 93.6 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.53

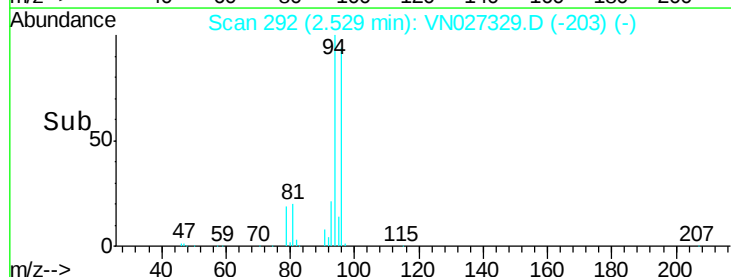
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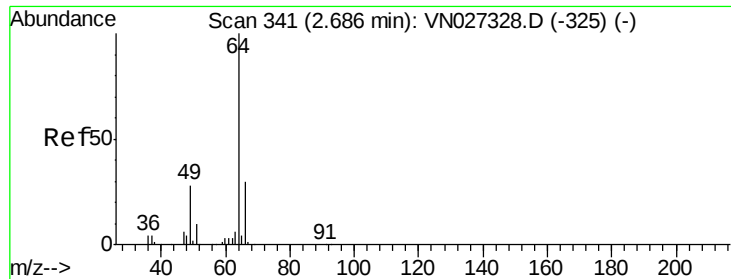
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50000

0

Time-->





#7

Chloroethane

Concen: 84.74 ug/l

RT: 2.68 min Scan# 339

Delta R.T. -0.01 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 64 Resp: 463777

Ion Ratio Lower Upper

64 100

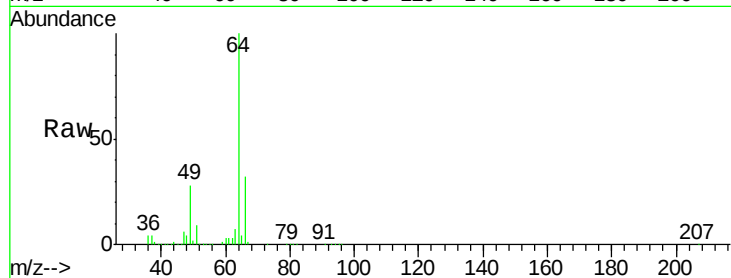
66 31.8 25.5 38.3

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Abundance Ion 63.90 (63.60 to 64.60): VN027328.D (-325) (-)

Ion 65.90 (65.60 to 66.60): VN027328.D (-325) (-)

2.68

250000

200000

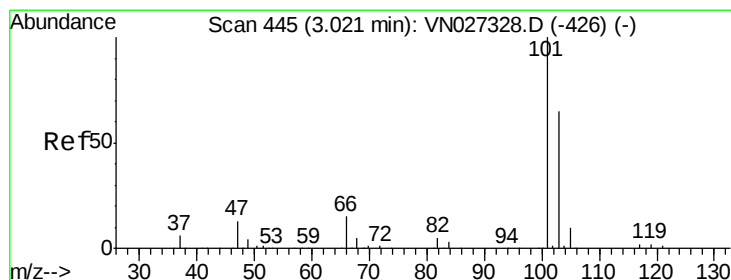
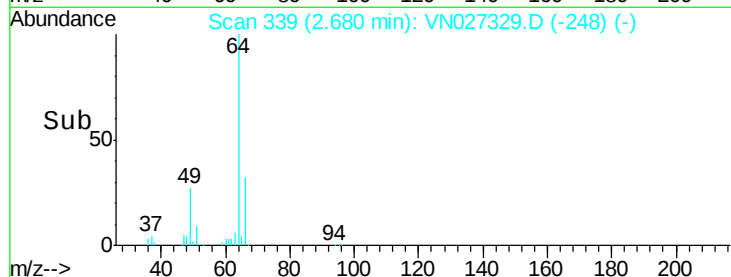
150000

100000

50000

0

Time-->



#8

Trichlorofluoromethane

Concen: 88.92 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027329.D

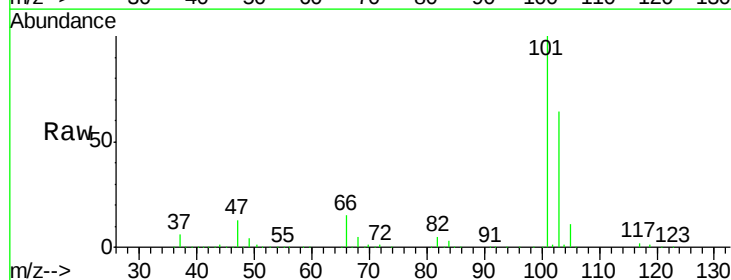
Acq: 21 Sep 2015 12:16

Tgt Ion:101 Resp: 1081431

Ion Ratio Lower Upper

101 100

103 63.6 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): VN027328.D (-426) (-)

Ion 102.80 (102.50 to 103.50): VN027328.D (-426) (-)

3.02

500000

400000

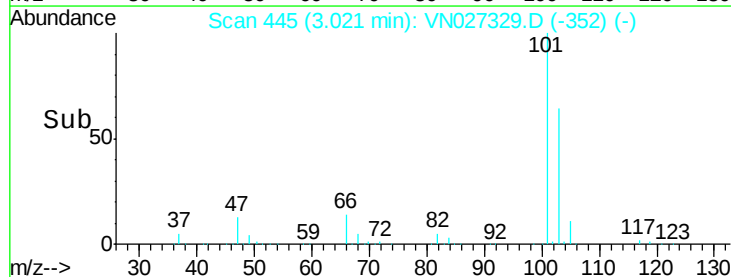
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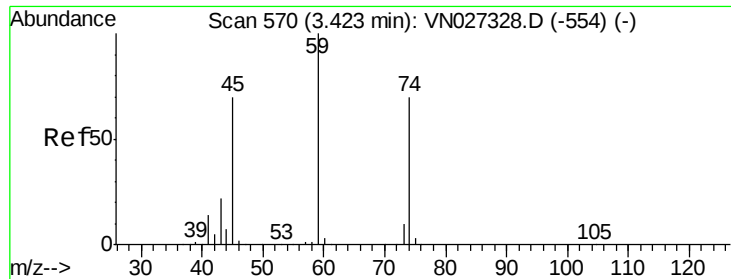
200000

100000

0

Time-->





#9

Diethyl Ether

Concen: 87.15 ug/l

RT: 3.42 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

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ClientSampleId :

VSTDIC100

Tot Ion: 74 Resp: 487683

Ion Ratio Lower Upper

74 100

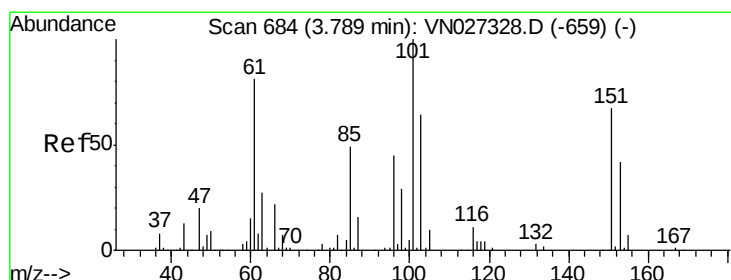
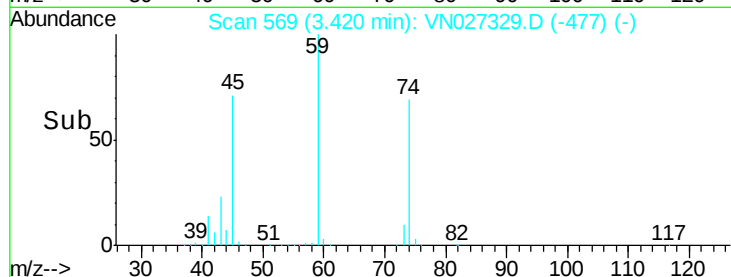
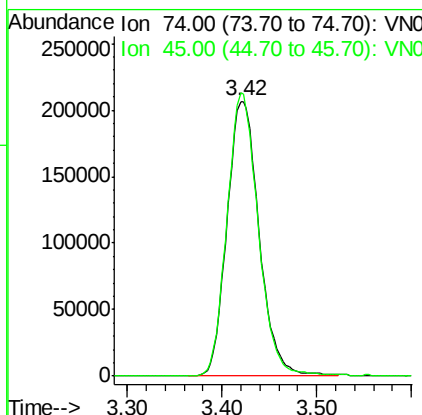
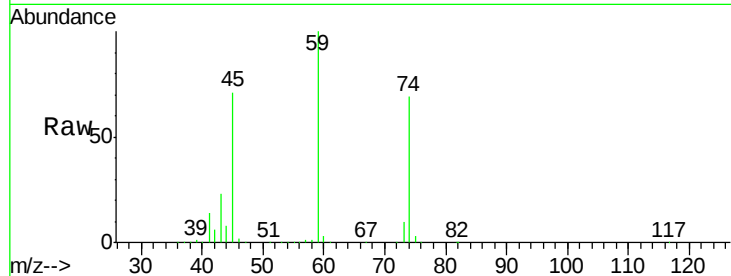
45 100.5 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 87.58 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

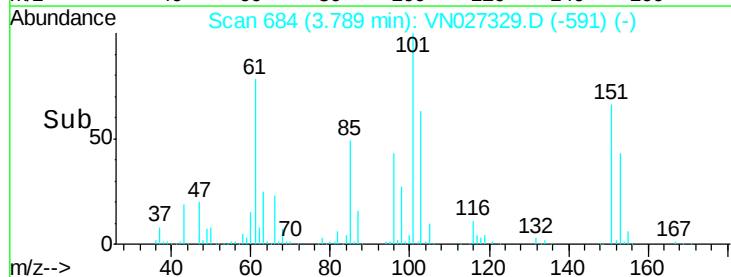
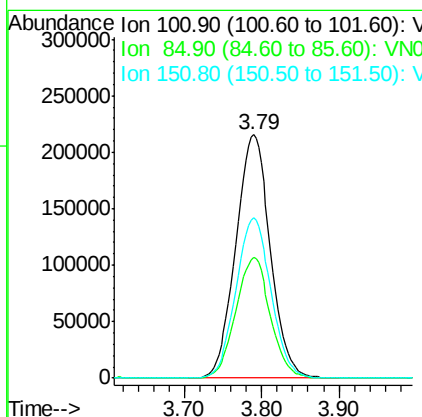
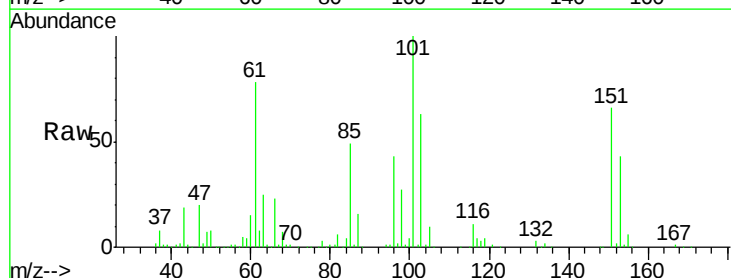
Tgt Ion: 101 Resp: 669004

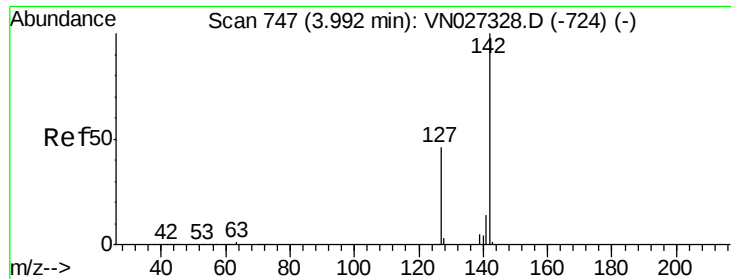
Ion Ratio Lower Upper

101 100

85 49.4 37.4 56.0

151 66.6 55.9 83.9





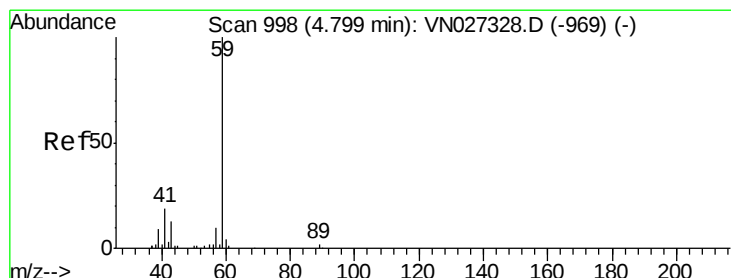
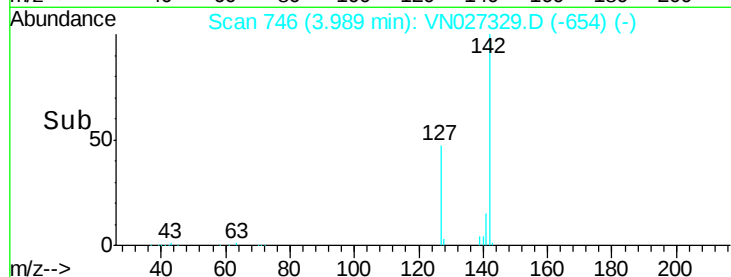
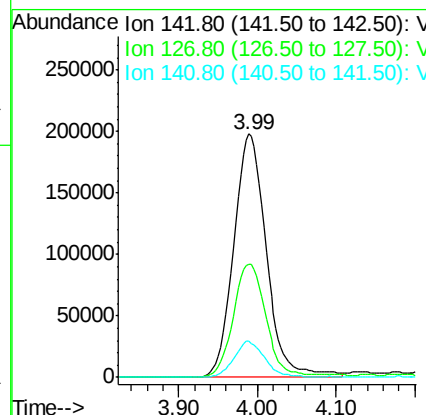
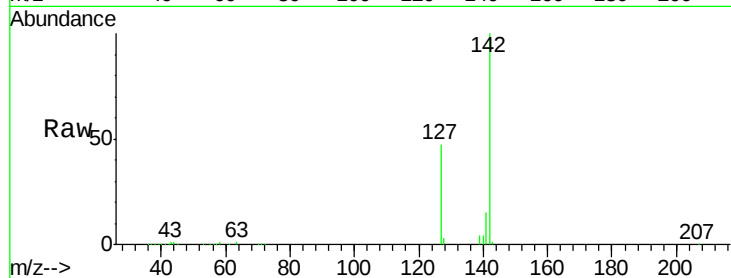
#11
Methvl Iodide
Concen: 77.05 ug/l
RT: 3.99 min Scan# 746
Delta R.T. -0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.5	32.3	48.5
141	14.0	11.2	16.8

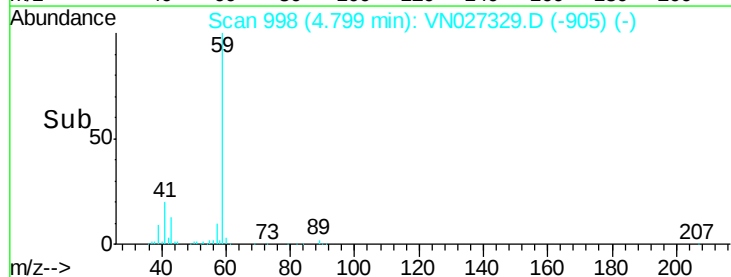
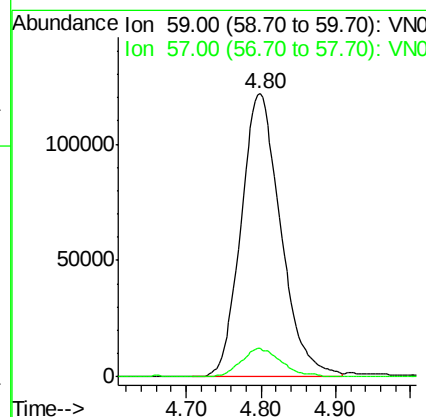
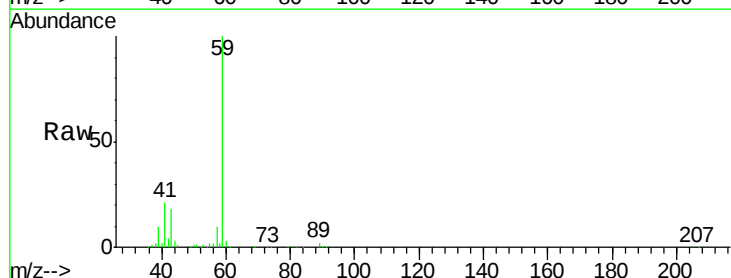
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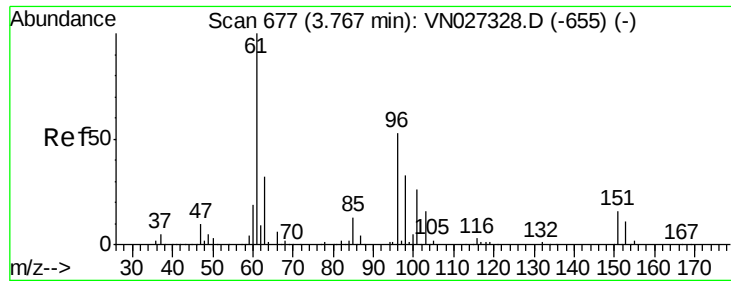
MMDadoda
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#12
Tert butyl alcohol
Concen: 393.51 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.3	7.6	11.4





#13

1,1-Dichloroethene

Concen: 88.35 ug/l

RT: 3.76 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 96 Resp: 646272

Ion Ratio Lower Upper

96 100

61 188.2 143.8 215.8

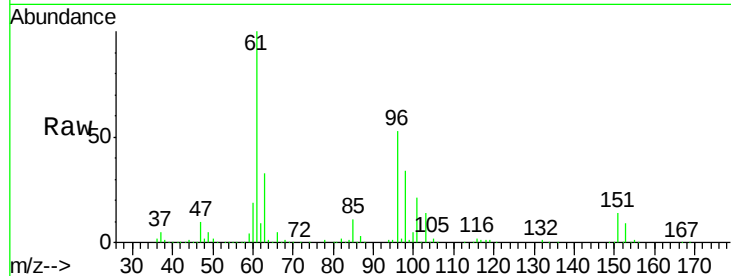
98 64.4 50.3 75.5

Manual Integrations

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Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

600000

500000

400000

300000

200000

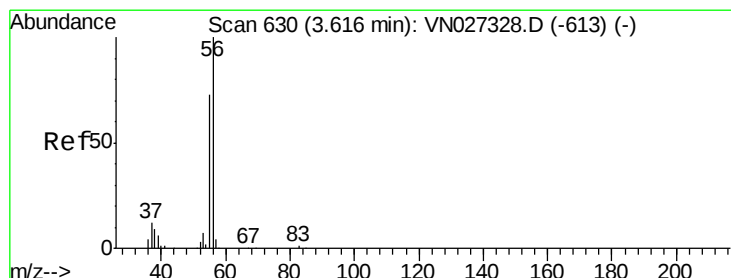
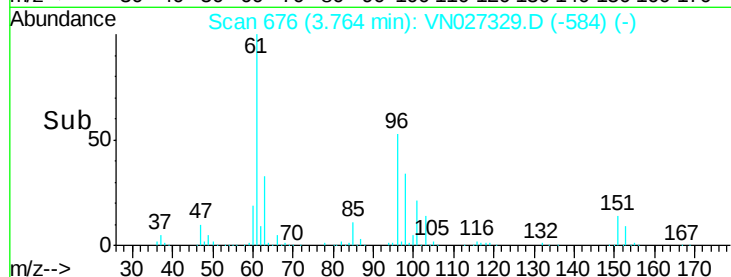
100000

0

3.76

3.70 3.80 3.90

Time-->



#14

Acrolein

Concen: 479.00 ug/l

RT: 3.61 min Scan# 629

Delta R.T. -0.00 min

Lab File: VN027329.D

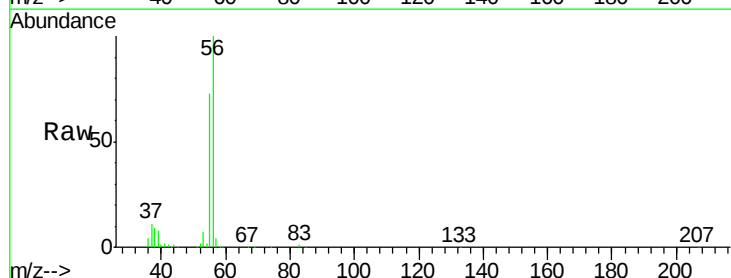
Acq: 21 Sep 2015 12:16

Tgt Ion: 56 Resp: 642299

Ion Ratio Lower Upper

56 100

55 72.3 55.7 83.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

300000

250000

200000

150000

100000

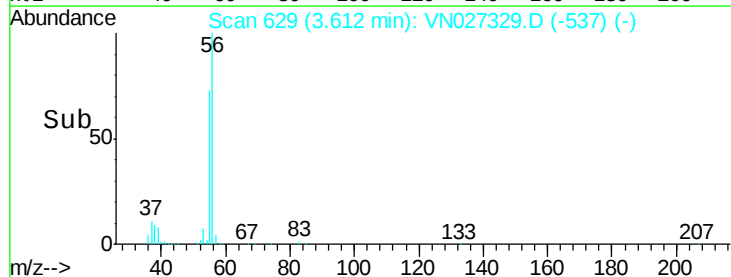
50000

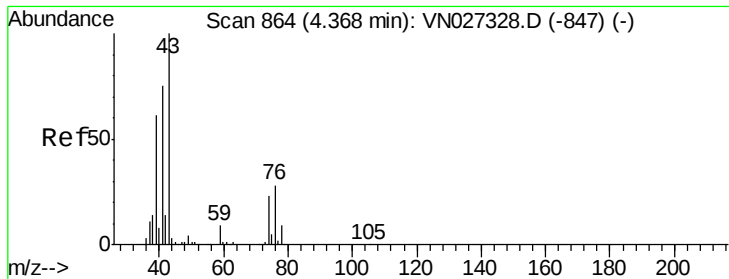
0

3.61

3.50 3.60 3.70 3.80

Time-->





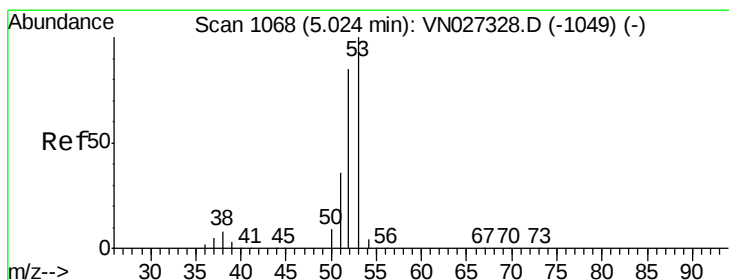
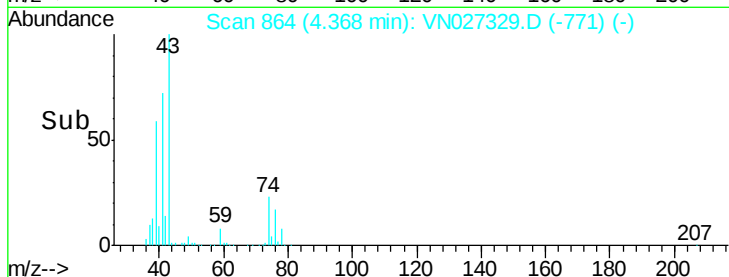
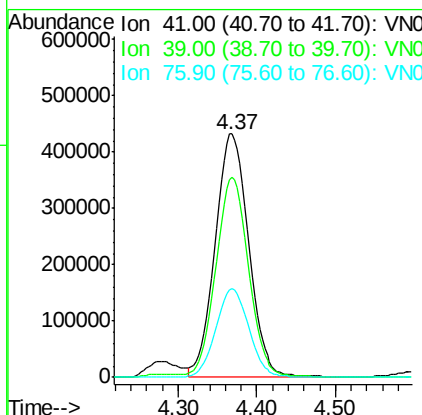
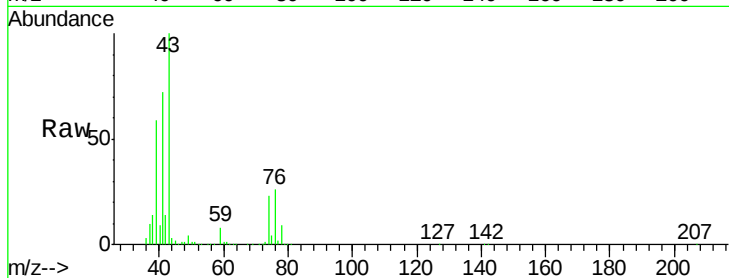
#15
Allvl chloride
Concen: 85.91 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion: 41 Resp: 1269293
Ion Ratio Lower Upper
41 100
39 80.2 49.7 74.5#
76 35.6 24.8 37.2

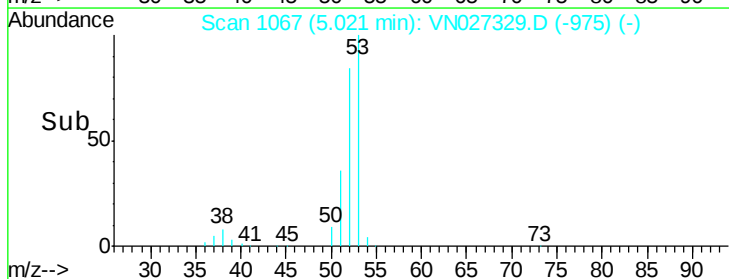
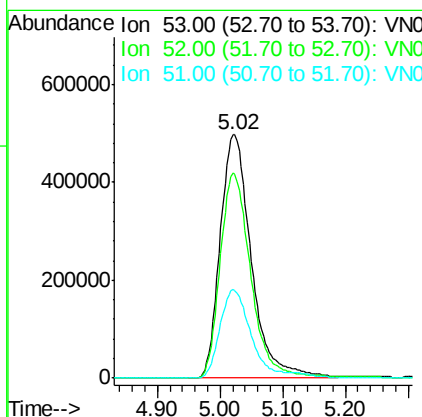
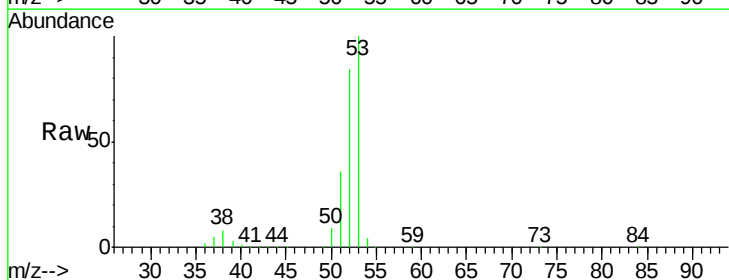
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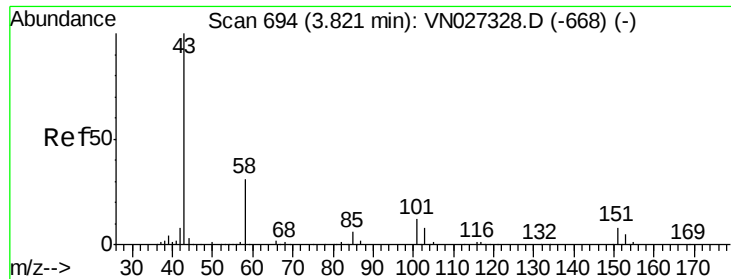
MMDadoda
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#16
Acrylonitrile
Concen: 459.86 ug/l
RT: 5.02 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion: 53 Resp: 1716520
Ion Ratio Lower Upper
53 100
52 83.2 66.9 100.3
51 37.3 27.4 41.0





#17

Acetone

Concen: 472.67 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1487595

Ion Ratio Lower Upper

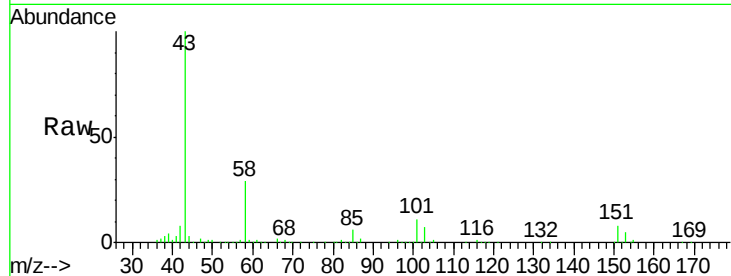
43 100

58 29.0 25.4 38.0

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

600000

500000

400000

300000

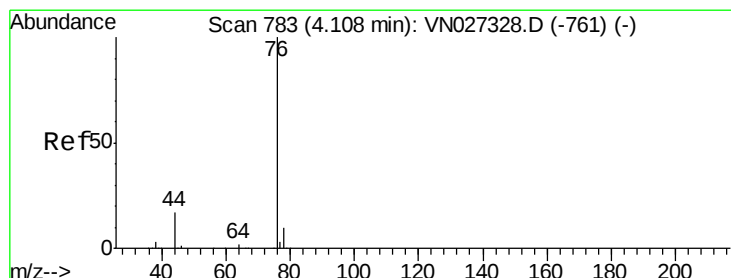
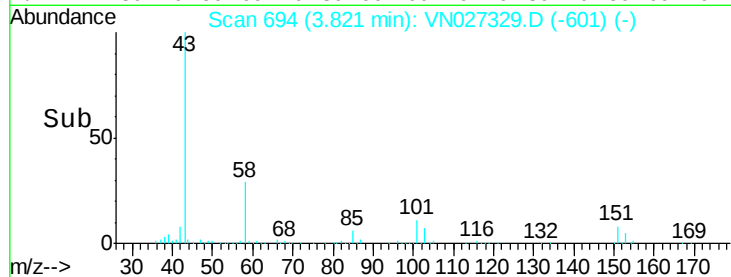
200000

100000

0

3.70 3.80 3.90 4.00

Time-->



#18

Carbon Disulfide

Concen: 79.67 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027329.D

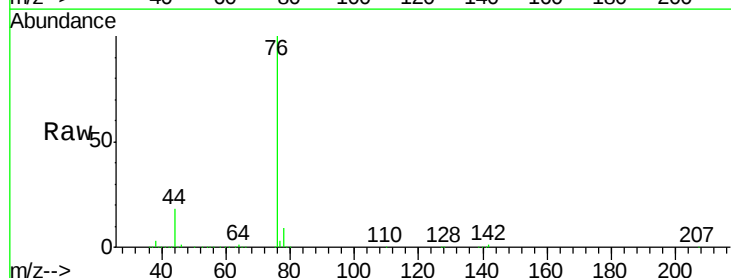
Acq: 21 Sep 2015 12:16

Tgt Ion: 76 Resp: 1897877

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

800000

600000

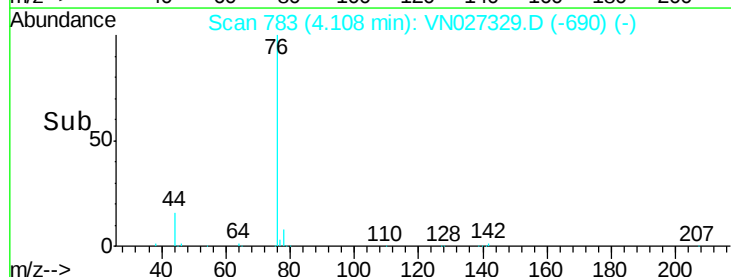
400000

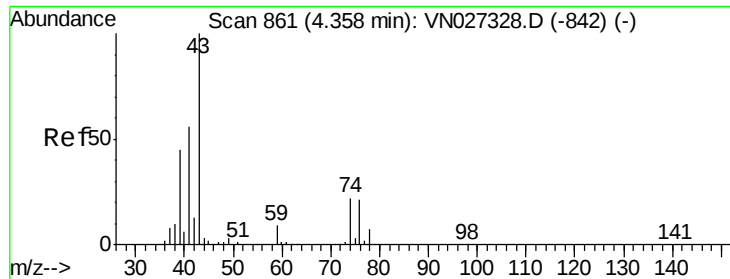
200000

0

4.00 4.10 4.20 4.30

Time-->





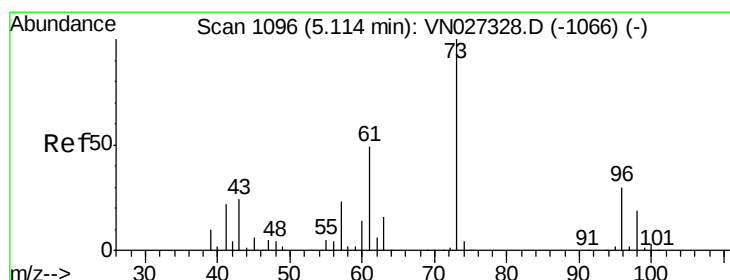
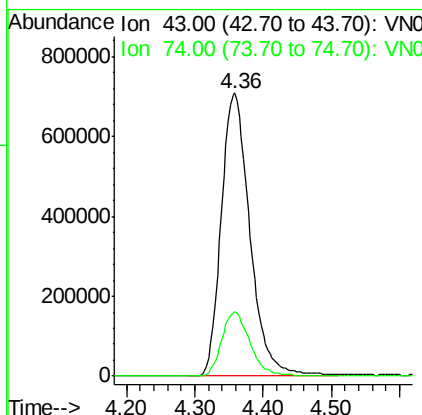
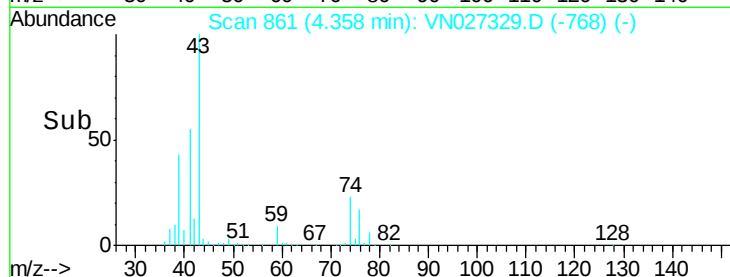
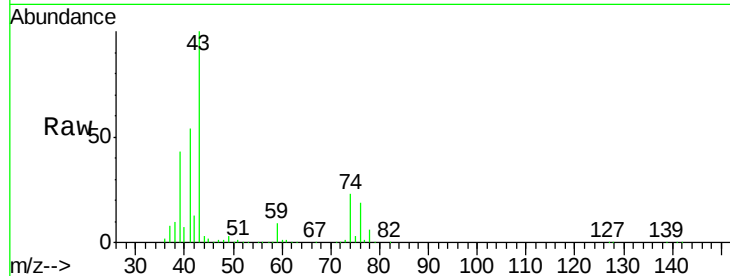
#19
Methvl Acetate
Concen: 90.57 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Tot Ion: 43 Resp: 2064606
Ion Ratio Lower Upper
43 100
74 22.3 16.2 24.2

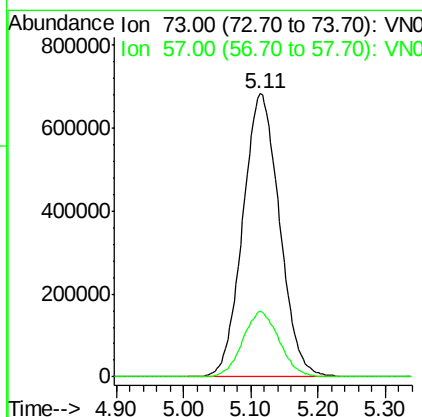
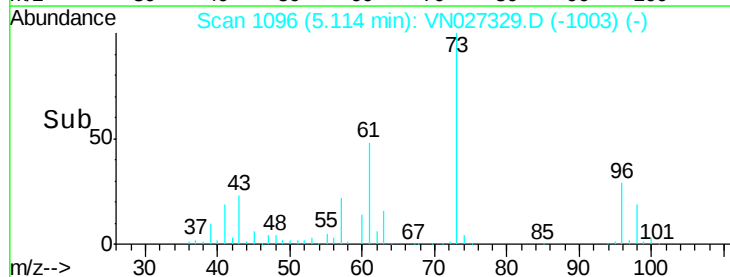
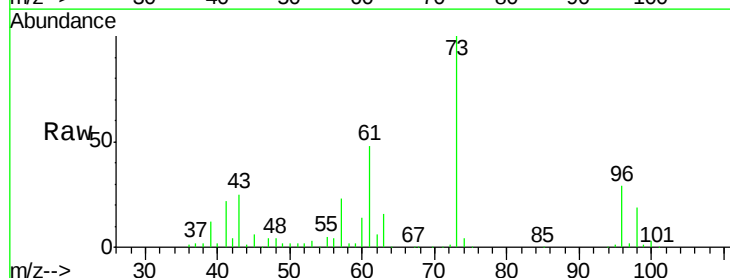
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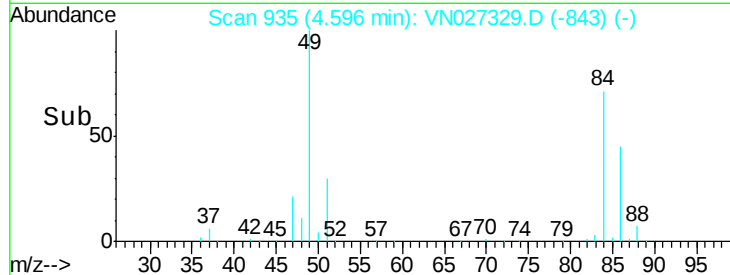
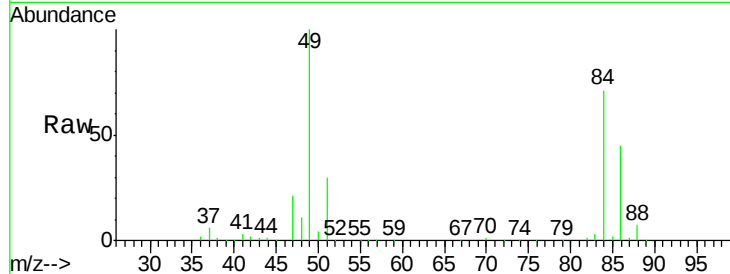
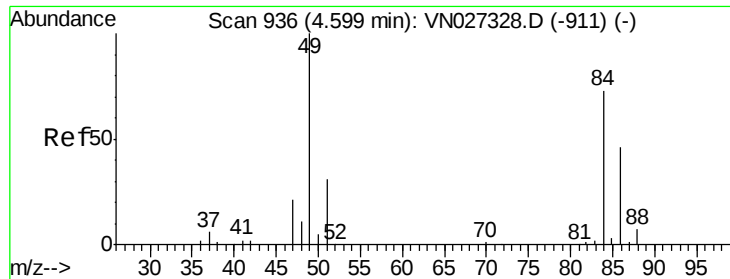
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#20
Methyl tert-butyl Ether
Concen: 88.28 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion: 73 Resp: 2592562
Ion Ratio Lower Upper
73 100
57 23.1 19.8 29.6





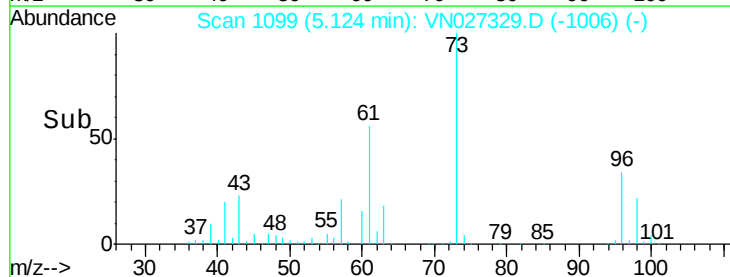
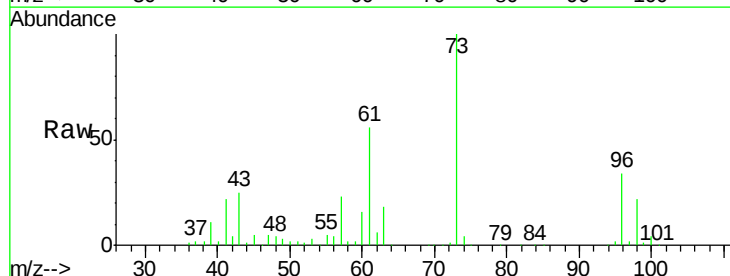
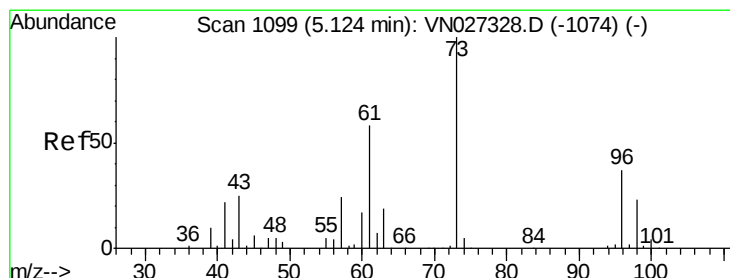
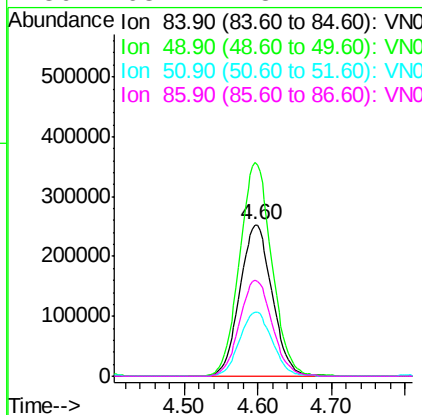
#21
Methvlene Chloride
Concen: 88.09 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tot Ion	84	Resp	772330
Ion Ratio	Lower	Upper	
84	100		
49	141.2	112.3	168.5
51	42.4	33.8	50.8
86	63.1	48.2	72.4

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

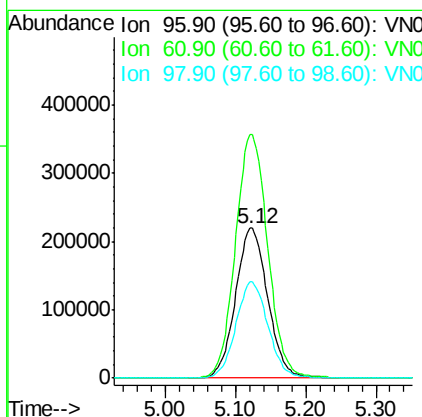
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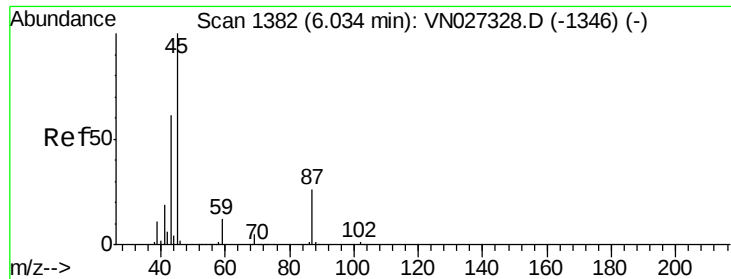
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#22
trans-1,2-Dichloroethene
Concen: 88.48 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion	96	Resp	700094
Ion Ratio	Lower	Upper	
96	100		
61	162.6	126.6	189.8
98	64.4	47.4	71.2





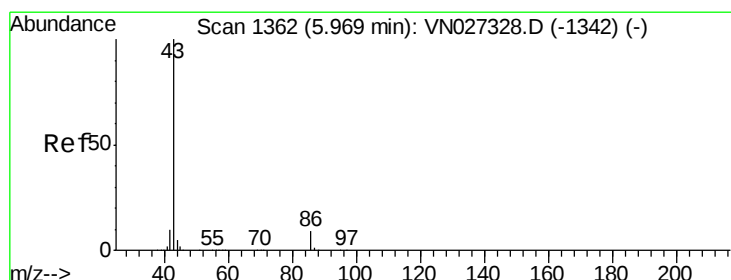
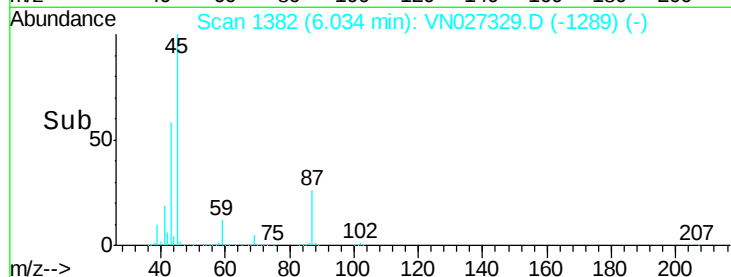
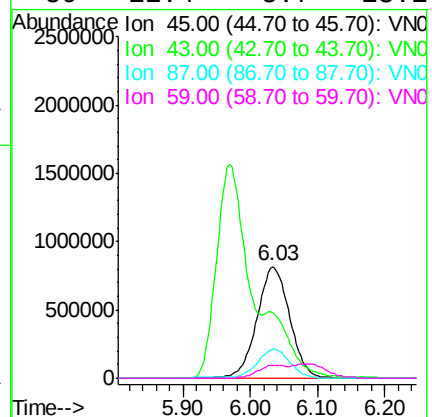
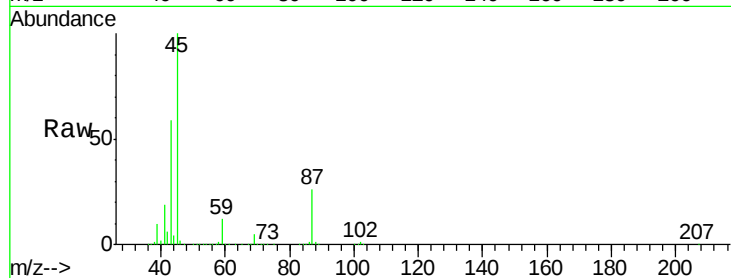
#23
Diisopropyl ether
Concen: 89.11 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	45	Resp	2762215
Ion	Ratio	Lower	Upper
45	100		
43	58.0	41.0	61.6
87	26.1	17.5	26.3
59	11.4	8.7	13.1

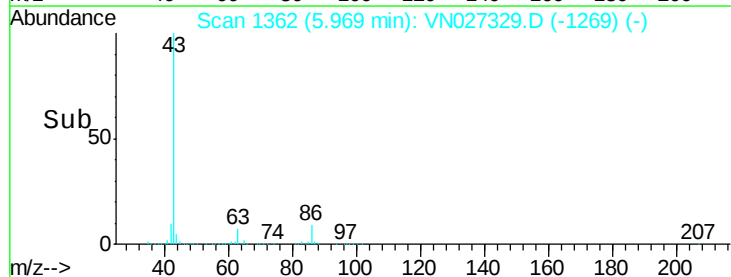
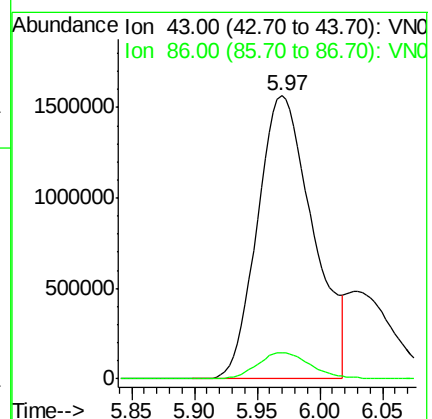
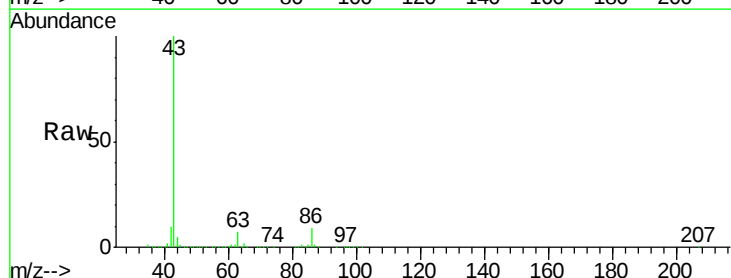
Manual Integrations
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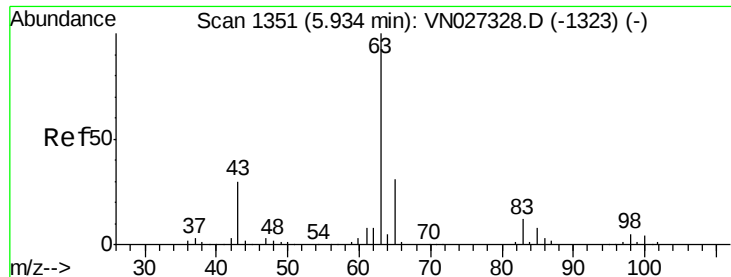
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#24
Vinyl Acetate
Concen: 468.93 ug/l
RT: 5.97 min Scan# 1362
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion	43	Resp	4811335
Ion	Ratio	Lower	Upper
43	100		
86	9.1	6.9	10.3





#25

1,1-Dichloroethane

Concen: 88.07 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

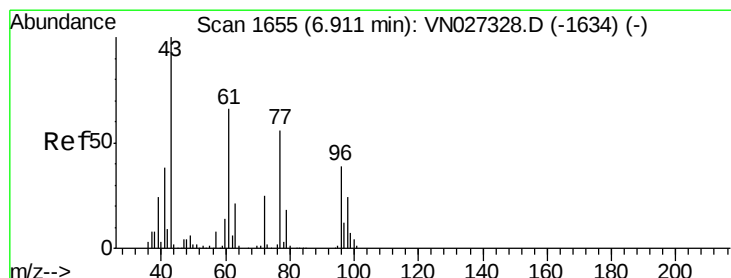
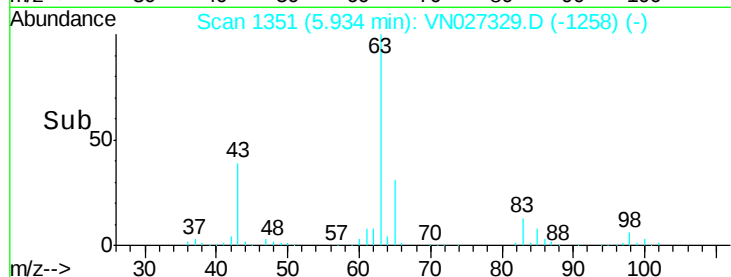
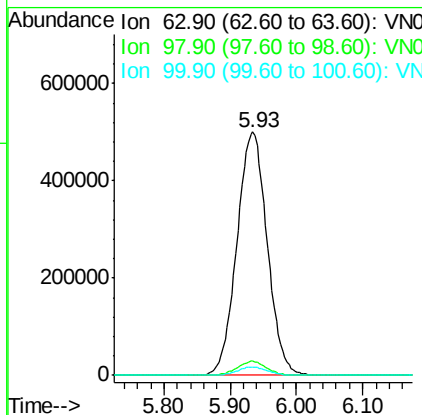
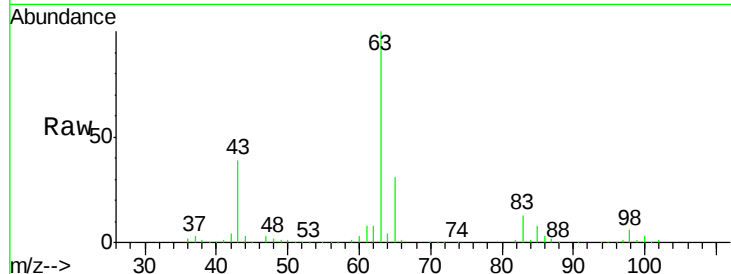
ClientSampleId :

VSTDIC100

Tot Ion:	63	Resp:	1586077
Ion	Ratio	Lower	Upper
63	100		
98	5.8	2.8	8.3
100	3.3	1.7	5.0

Manual Integrations
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#26

2-Butanone

Concen: 448.18 ug/l

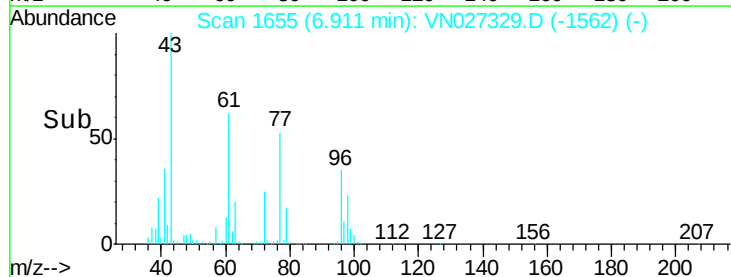
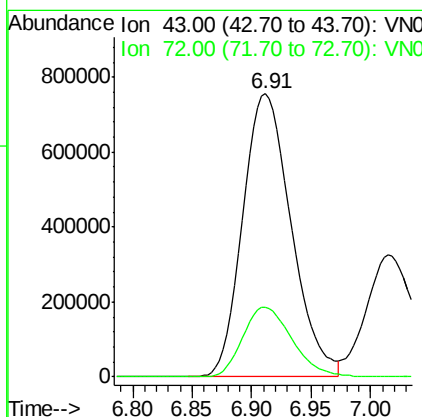
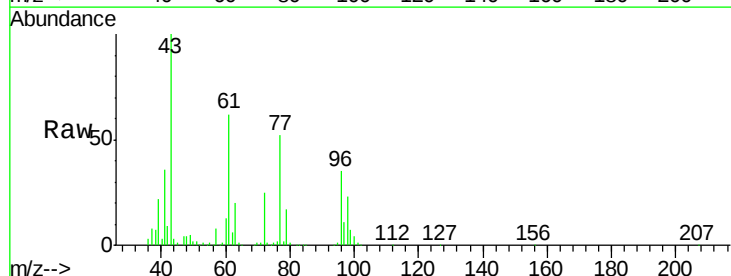
RT: 6.91 min Scan# 1655

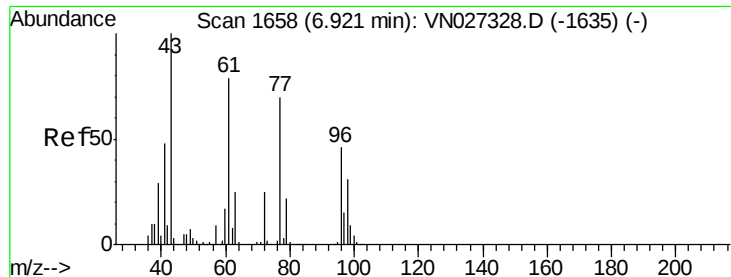
Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Tgt Ion:	43	Resp:	2124069
Ion	Ratio	Lower	Upper
43	100		
72	24.6	18.8	28.2





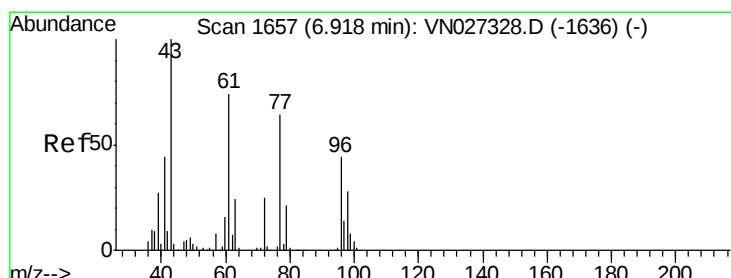
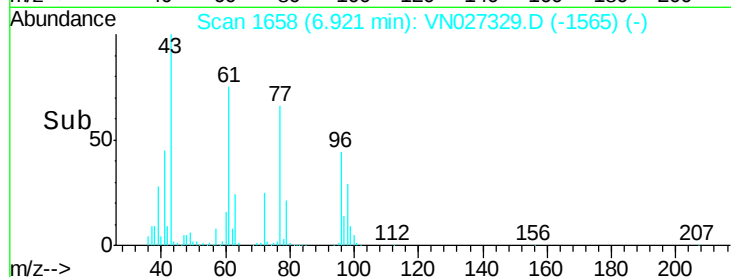
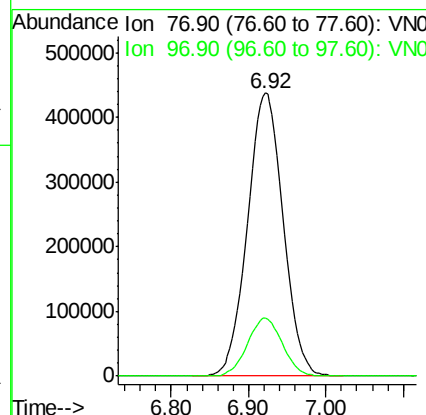
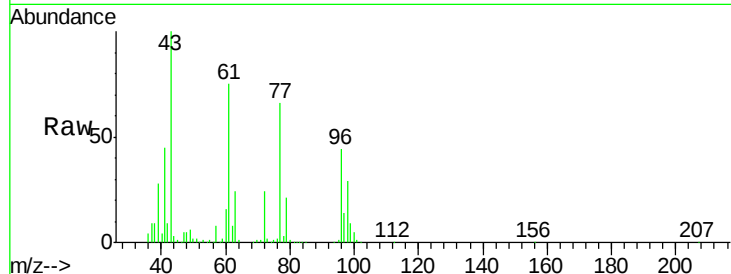
#27
 2,2-Dichloropropane
 Concen: 89.68 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 77 Resp: 1401248
 Ion Ratio Lower Upper
 77 100
 97 20.2 11.8 35.3

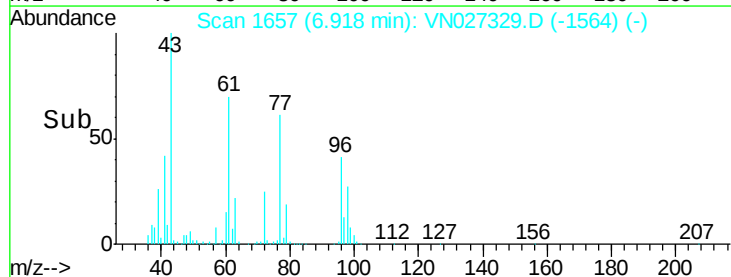
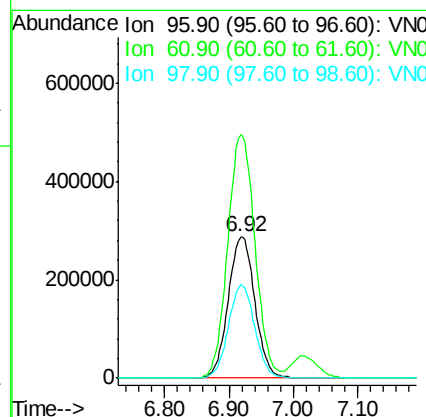
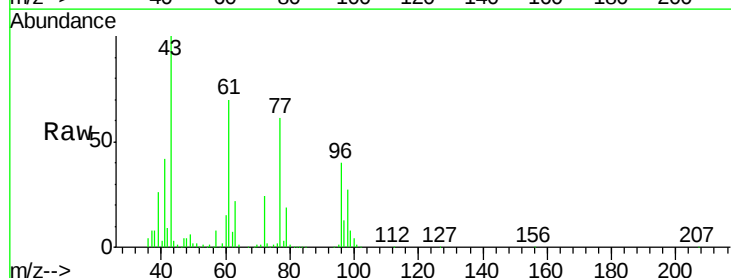
Manual Integrations
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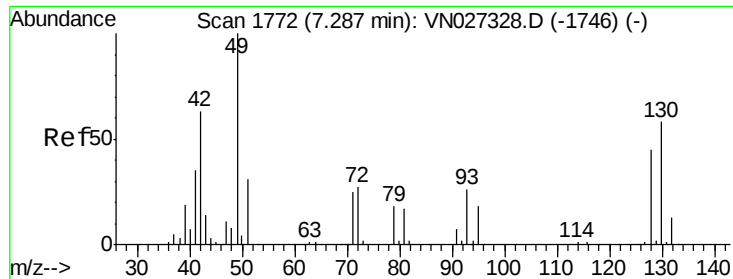
MMDadoda
 9/22/2015 2:27:58 PM



#28
 cis-1,2-Dichloroethene
 Concen: 91.22 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion: 96 Resp: 827752
 Ion Ratio Lower Upper
 96 100
 61 175.5 0.0 329.2
 98 65.4 0.0 126.0





#29

Bromochloromethane

Concen: 85.69 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 49 Resp: 598976

Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.2

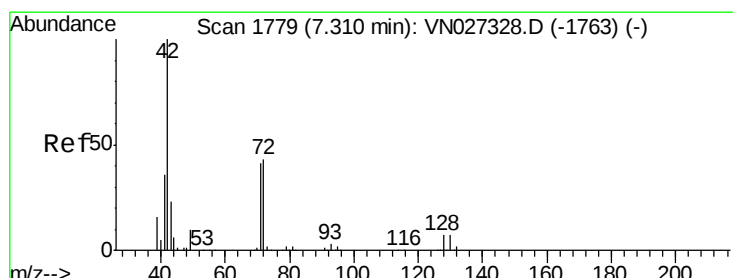
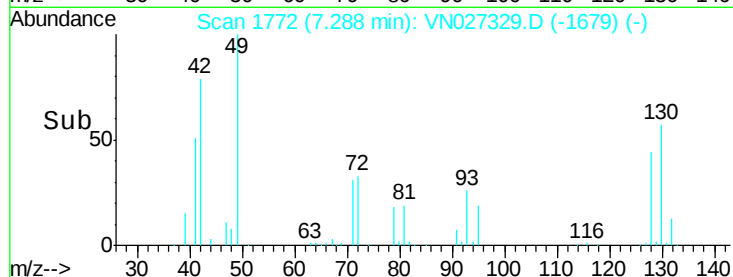
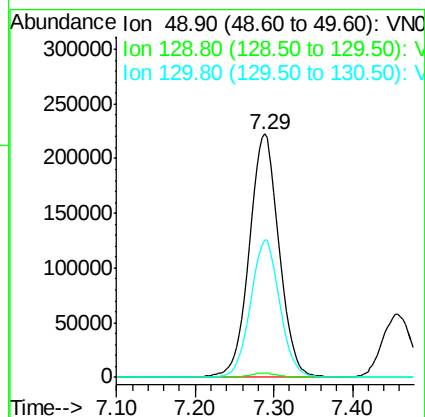
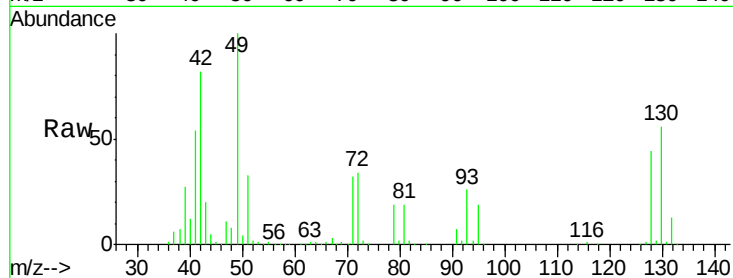
130 55.4 43.2 64.8

Manual Integrations

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9/22/2015 2:27:58 PM



#30

Tetrahydrofuran

Concen: 407.55 ug/l

RT: 7.31 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

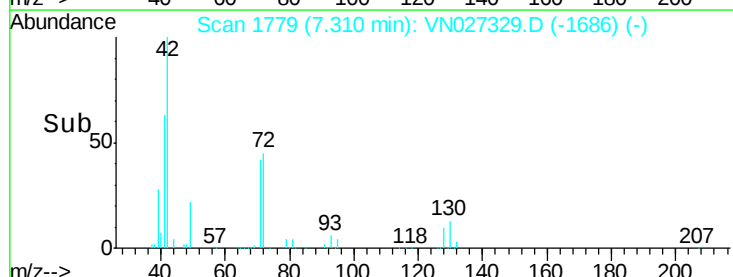
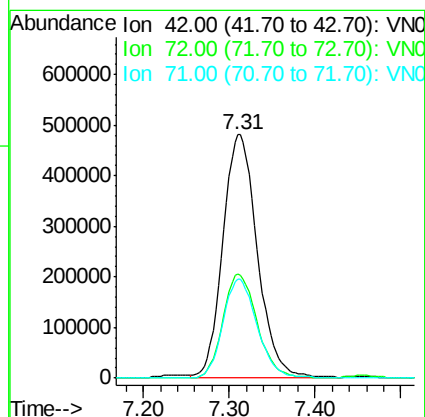
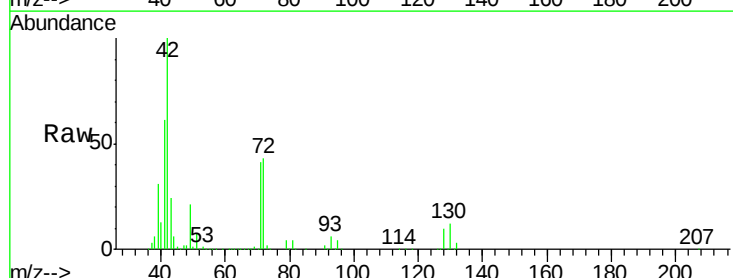
Tgt Ion: 42 Resp: 1331158

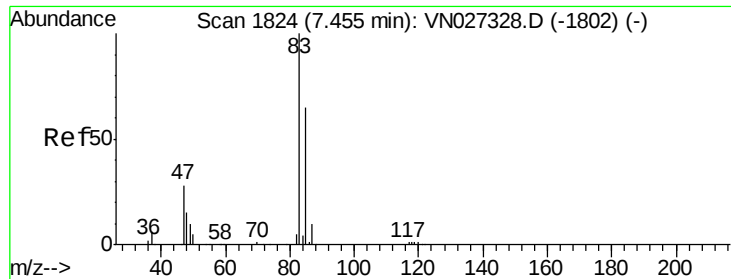
Ion Ratio Lower Upper

42 100

72 42.9 29.9 44.9

71 40.7 28.3 42.5





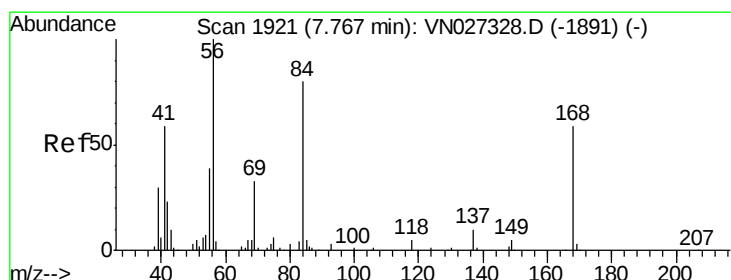
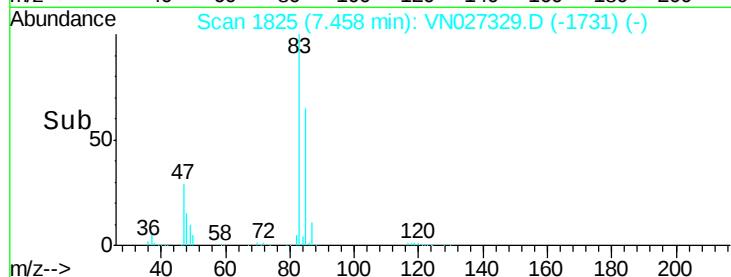
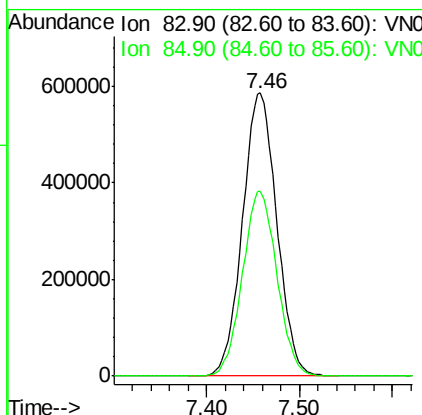
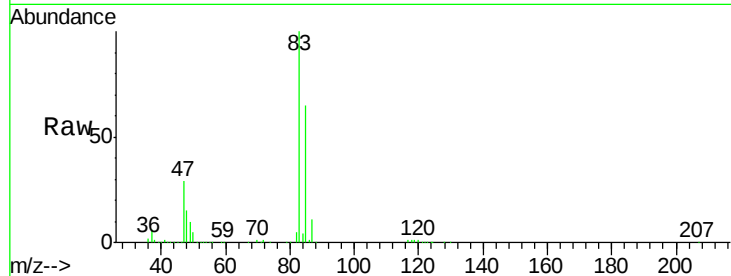
#31
Chloroform
Concen: 92.51 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 83 Resp: 1505237
Ion Ratio Lower Upper
83 100
85 65.1 51.1 76.7

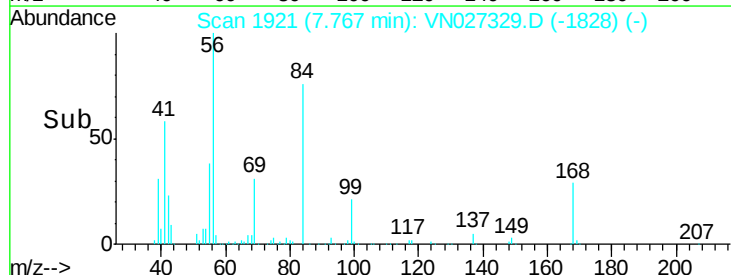
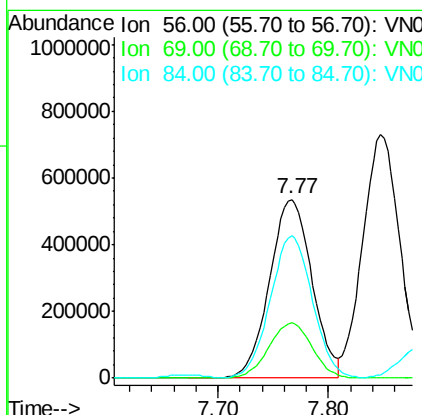
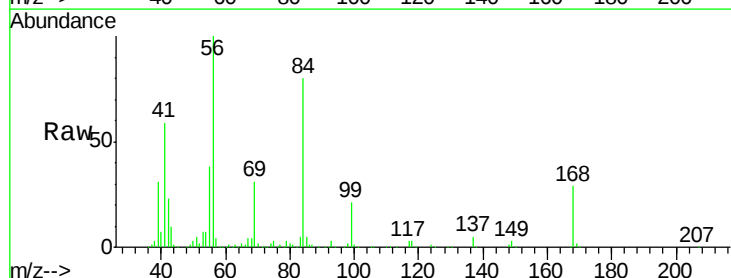
Manual Integrations
APPROVED

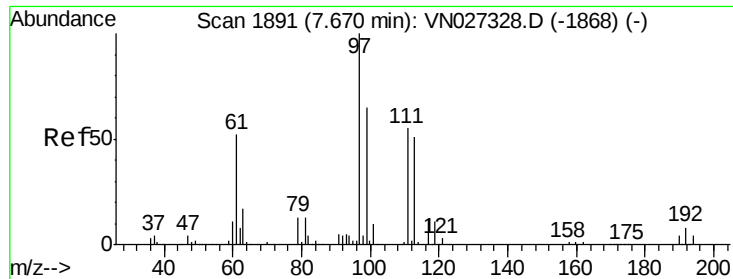
MMDadoda
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#32
Cyclohexane
Concen: 71.61 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion: 56 Resp: 1432036
Ion Ratio Lower Upper
56 100
69 30.7 23.0 34.4
84 78.2 57.8 86.8





#33
 1,1,1-Trichloroethane
 Concen: 91.17 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

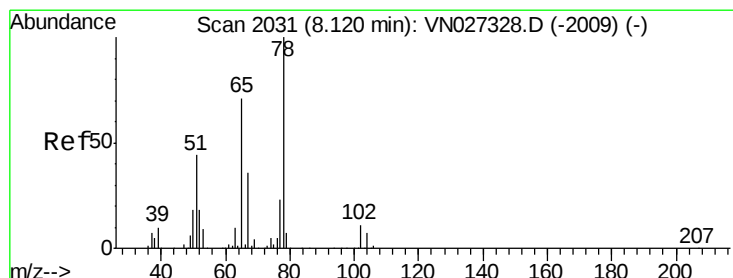
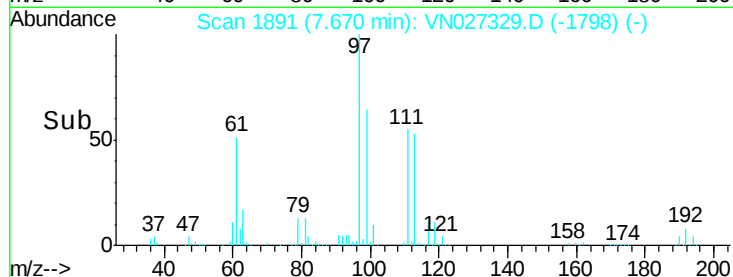
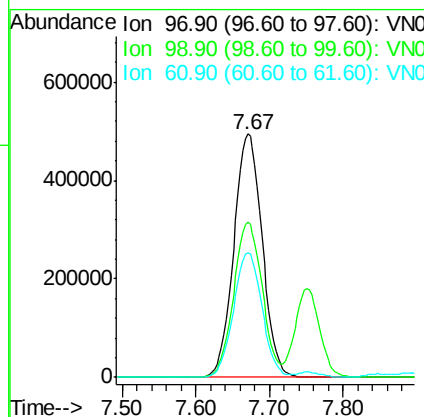
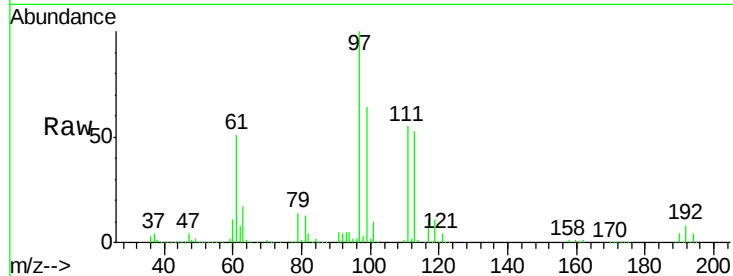
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 97 Resp: 1322731

Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.1	75.1
61	51.6	44.0	66.0

Manual Integrations
 APPROVED

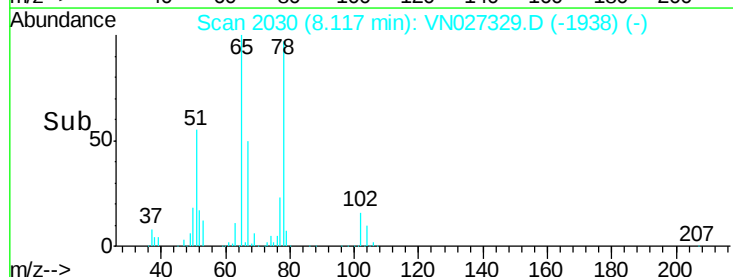
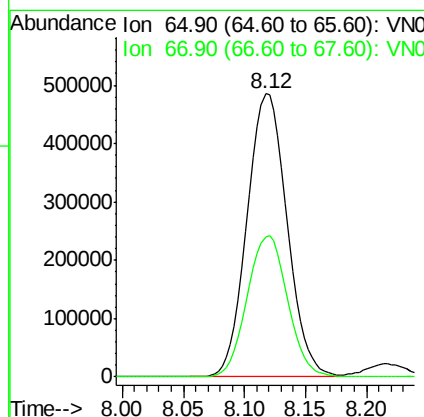
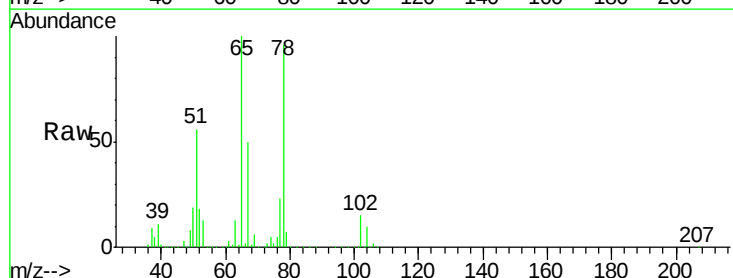
MMDadoda
 9/22/2015 2:27:58 PM

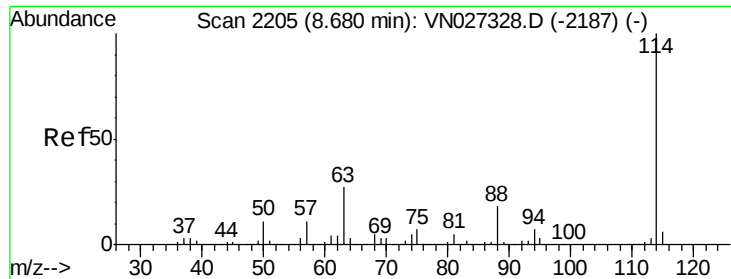


#34
 1,2-Dichloroethane-d4
 Concen: 94.57 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion: 65 Resp: 1103899

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	110.6





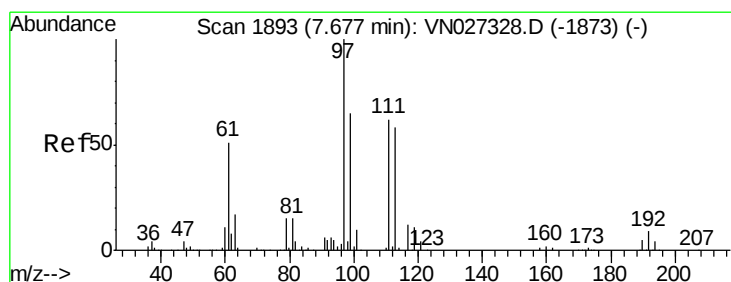
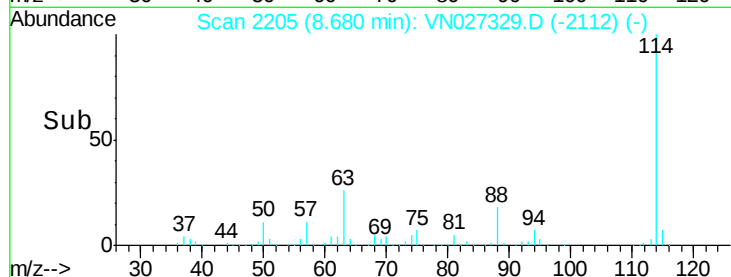
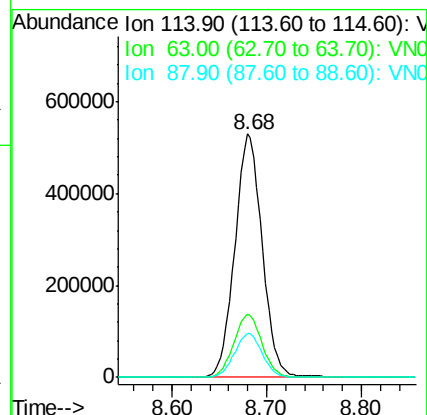
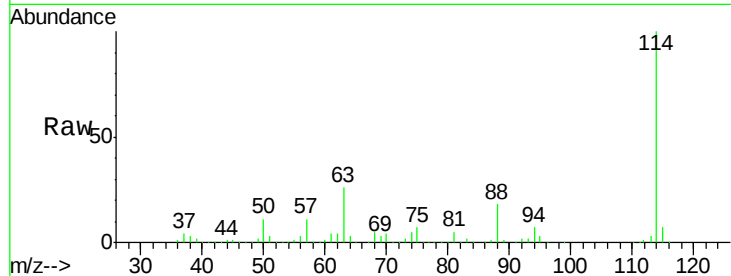
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.1	0.0	48.8
88	18.0	0.0	32.2

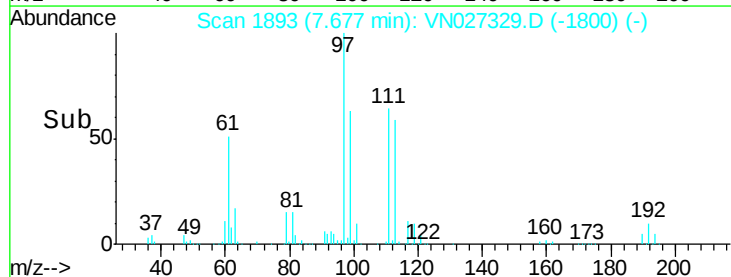
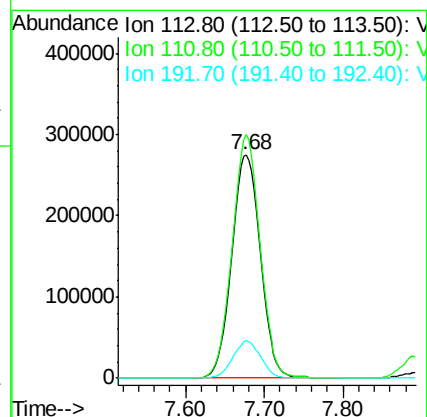
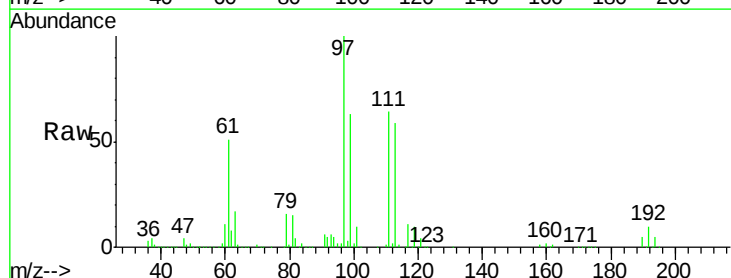
Manual Integrations
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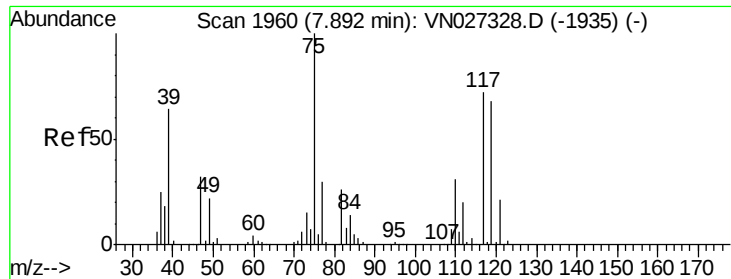
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 9/22/2015 2:27:58 PM



#36
 Dibromofluoromethane
 Concen: 93.93 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.6	83.0	124.4
192	16.3	14.1	21.1





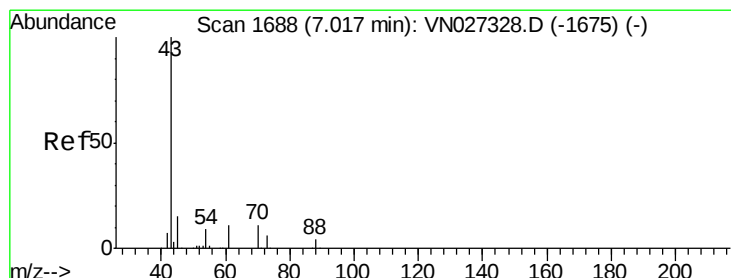
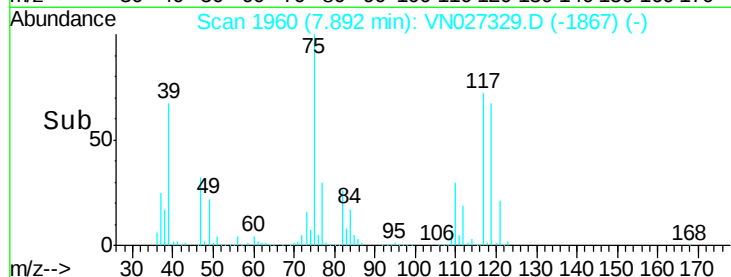
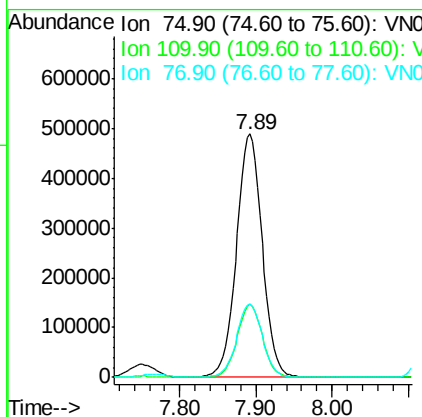
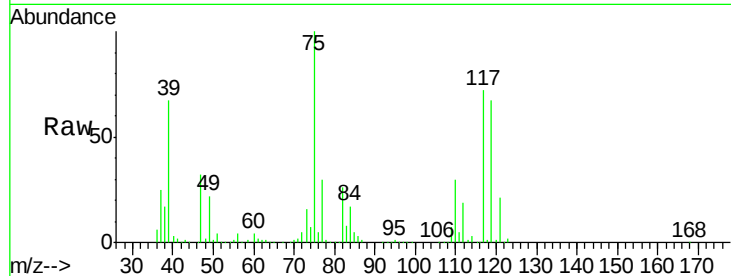
#37
 1,1-Dichloropropene
 Concen: 91.72 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion: 75 Resp: 1143520
 Ion Ratio Lower Upper
 75 100
 110 29.6 15.9 47.7
 77 30.1 24.9 37.3

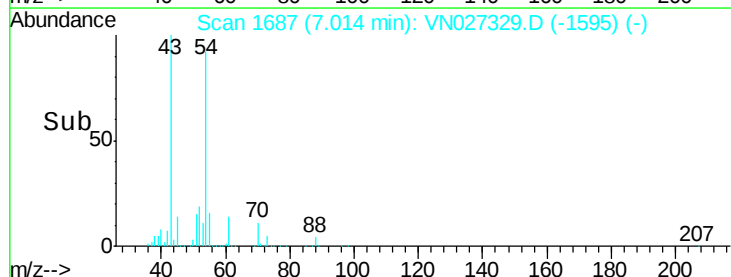
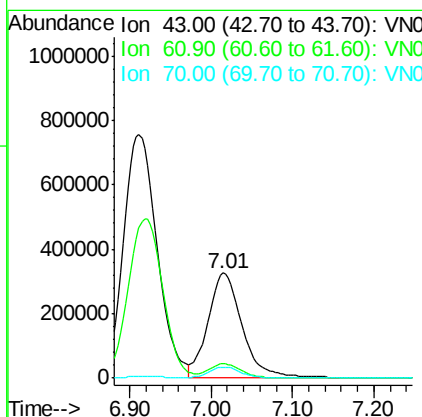
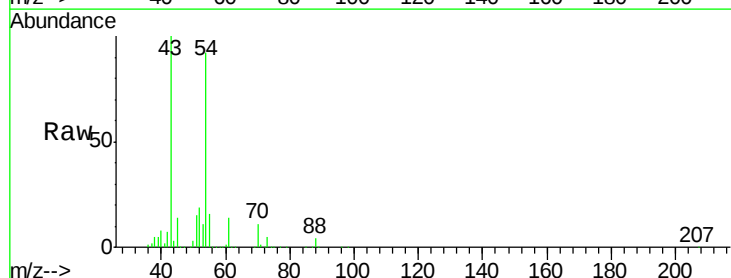
Manual Integrations
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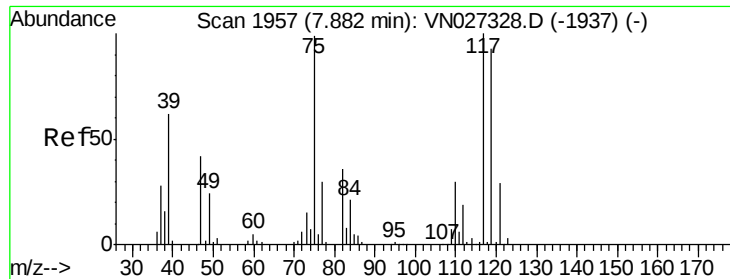
MMDadoda
 9/22/2015 2:27:58 PM



#38
 Ethyl Acetate
 Concen: 82.37 ug/l
 RT: 7.01 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion: 43 Resp: 943776
 Ion Ratio Lower Upper
 43 100
 61 13.4 10.2 15.4
 70 10.0 7.4 11.0





#39

Carbon Tetrachloride

Concen: 90.48 ug/l

RT: 7.88 min Scan# 1957

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:117 Resp: 1060547

Ion Ratio Lower Upper

117 100

119 94.0 75.3 112.9

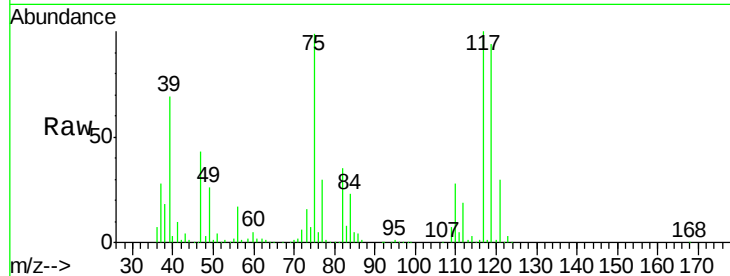
121 29.9 23.8 35.8

Manual Integrations

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MMDadoda

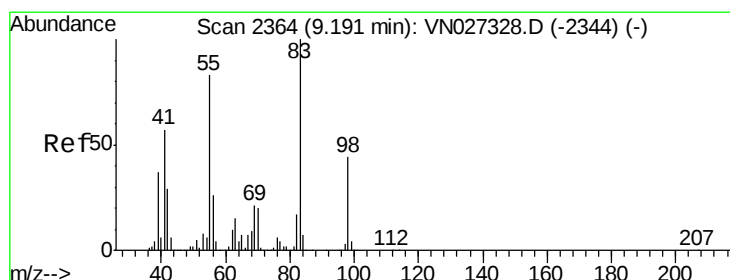
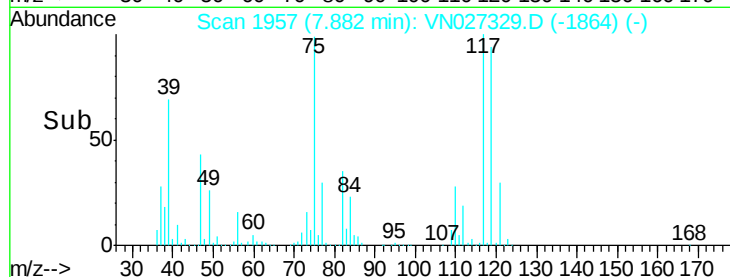
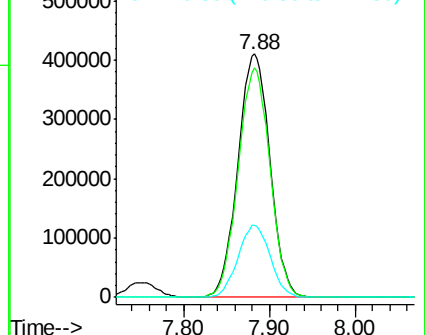
9/22/2015 2:27:58 PM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Methylcyclohexane

Concen: 87.81 ug/l

RT: 9.19 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

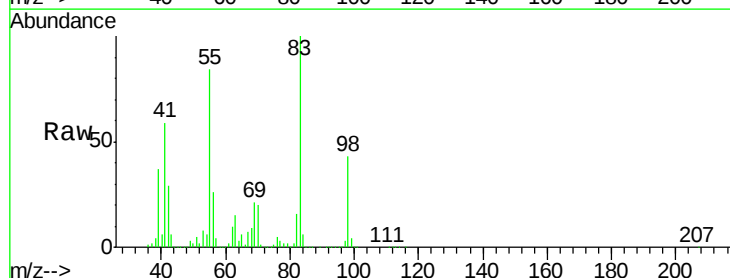
Tgt Ion: 83 Resp: 1333200

Ion Ratio Lower Upper

83 100

55 83.8 69.8 104.8

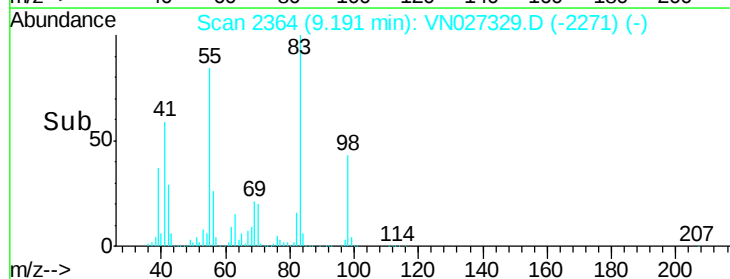
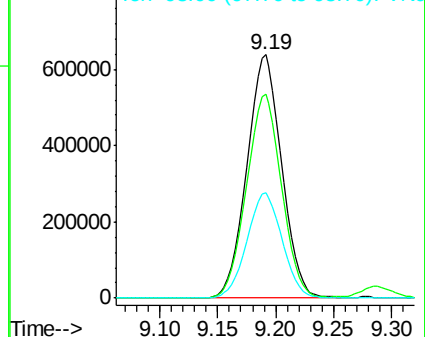
98 43.3 34.3 51.5

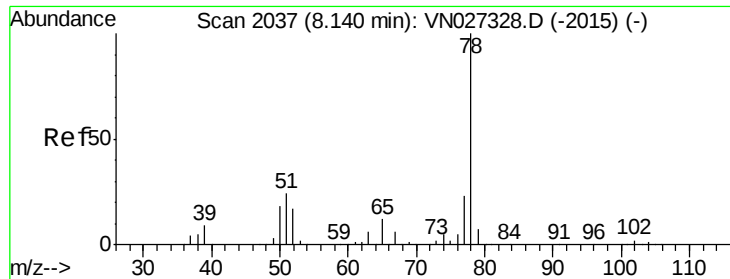


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#41

Benzene

Concen: 89.84 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 78 Resp: 3268029

Ion Ratio Lower Upper

78 100

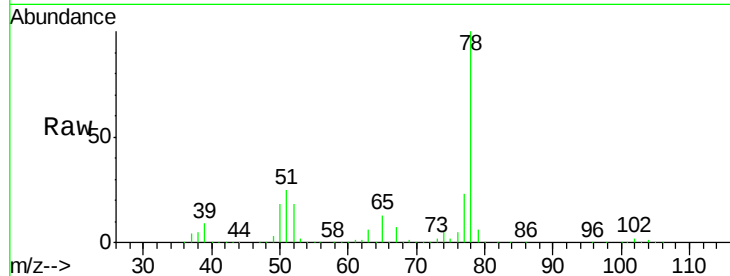
77 23.4 19.0 28.4

Manual Integrations

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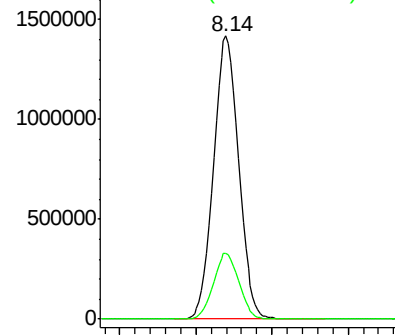
MMDadoda

9/22/2015 2:27:58 PM

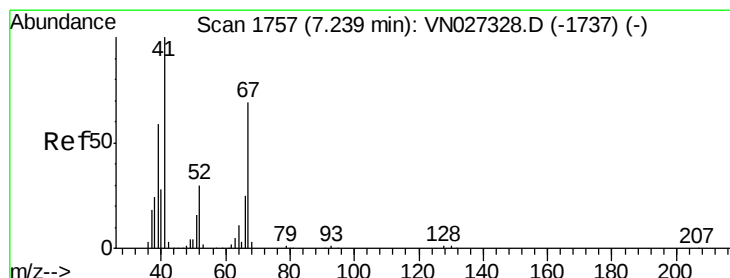
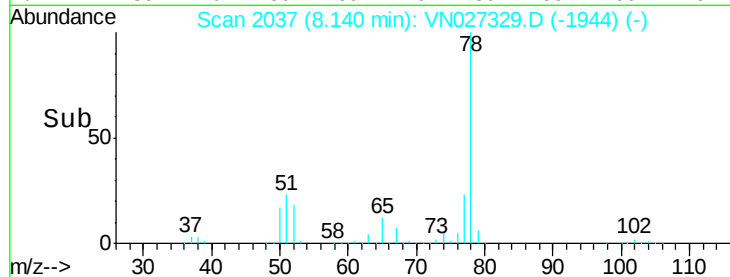


Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



Time-->



#42

Methacrylonitrile

Concen: 92.90 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Tgt Ion: 41 Resp: 559902

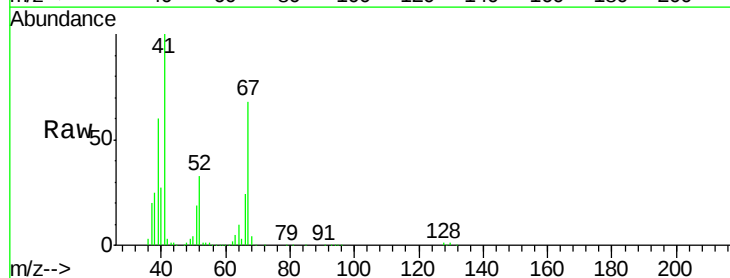
Ion Ratio Lower Upper

41 100

39 58.1 43.0 64.6

67 70.2 52.2 78.2

52 32.2 21.3 31.9#

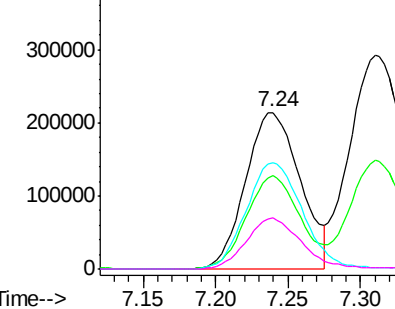


Abundance Ion 41.00 (40.70 to 41.70): VN0

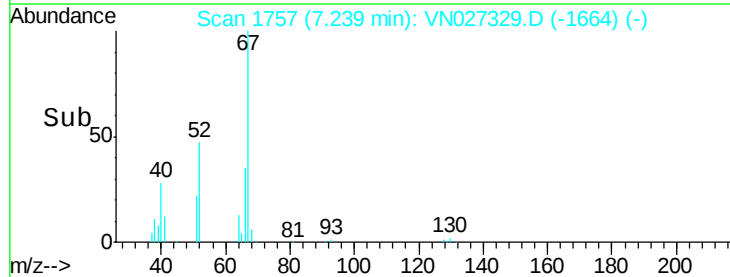
Ion 39.00 (38.70 to 39.70): VN0

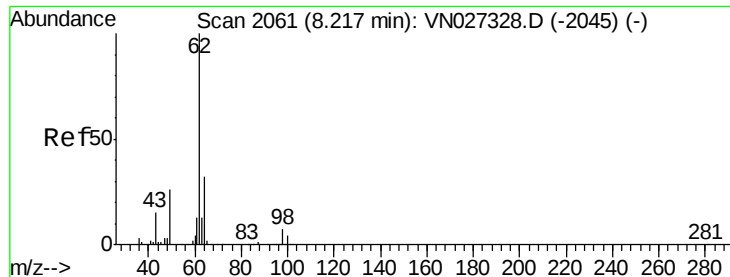
Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



Time-->





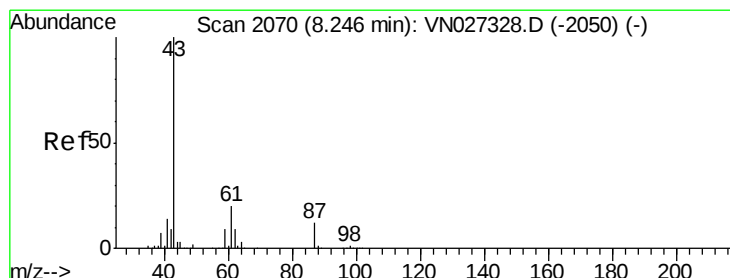
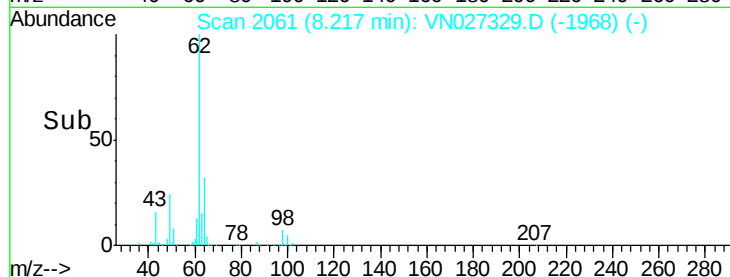
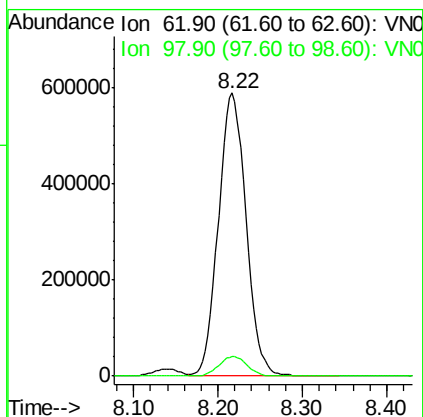
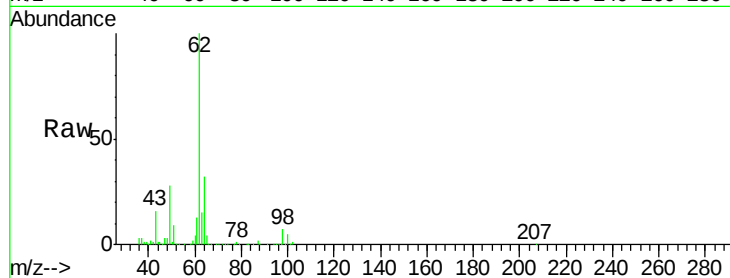
#43
 1,2-Dichloroethane
 Concen: 91.40 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion: 62 Resp: 1339485
 Ion Ratio Lower Upper
 62 100
 98 7.1 0.0 18.0

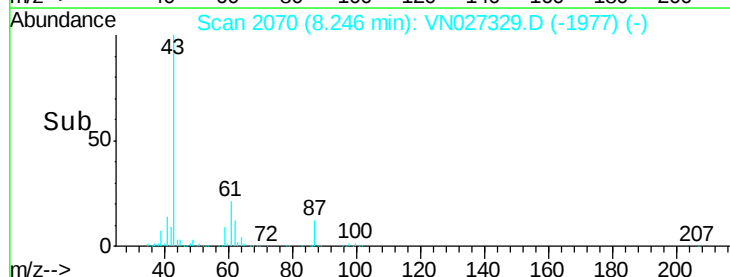
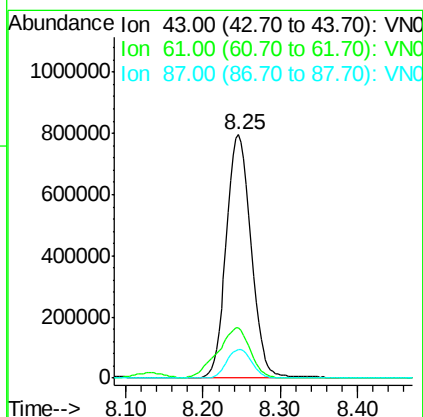
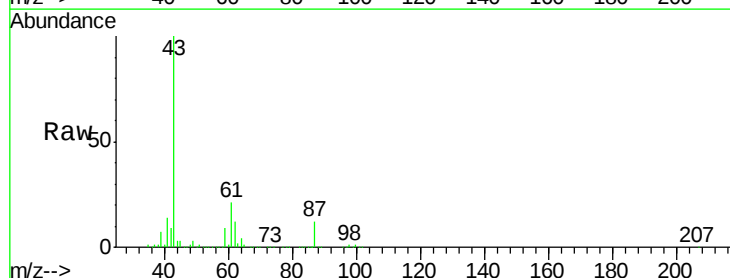
Manual Integrations
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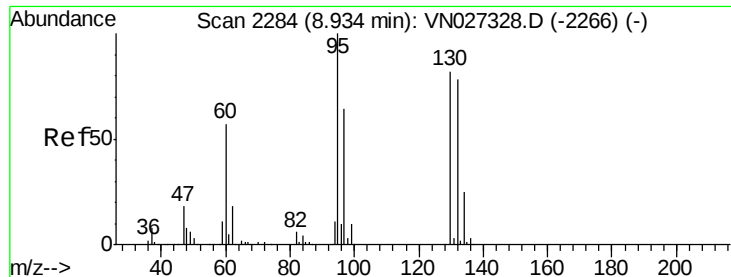
MMDadoda
 9/22/2015 2:27:58 PM



#44
 Isopropyl Acetate
 Concen: 88.46 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion: 43 Resp: 1762524
 Ion Ratio Lower Upper
 43 100
 61 27.0 20.6 31.0
 87 12.0 8.6 13.0





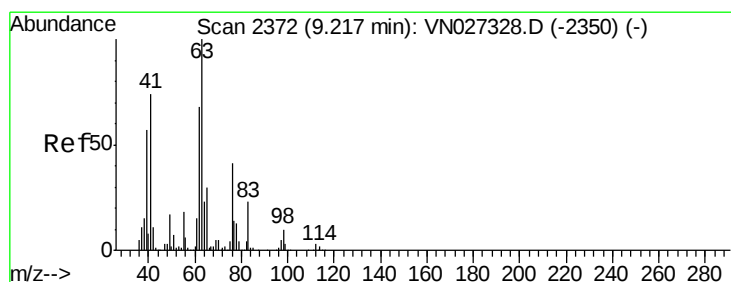
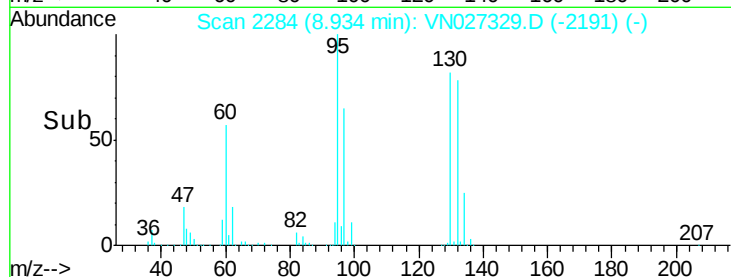
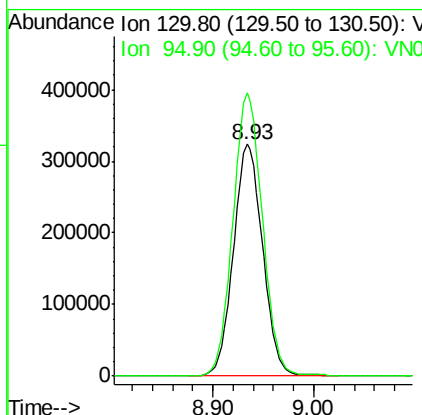
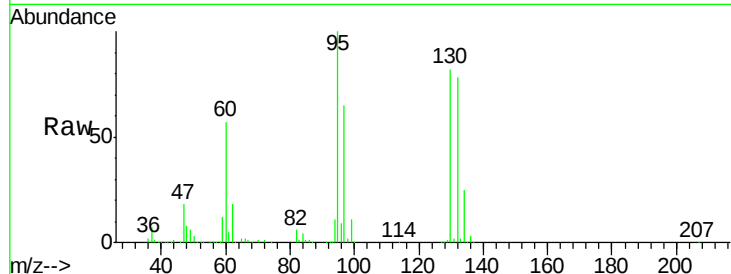
#45
 Trichloroethene
 Concen: 89.43 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
130	100	653455		
95	122.0	0.0	222.2	

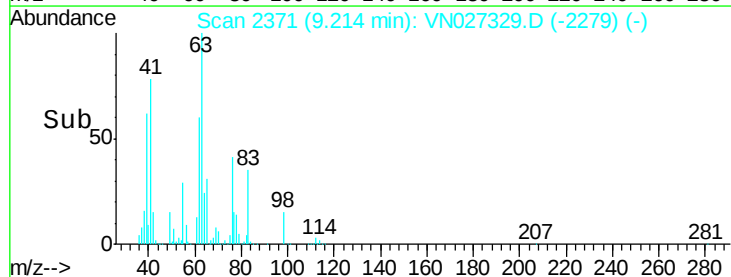
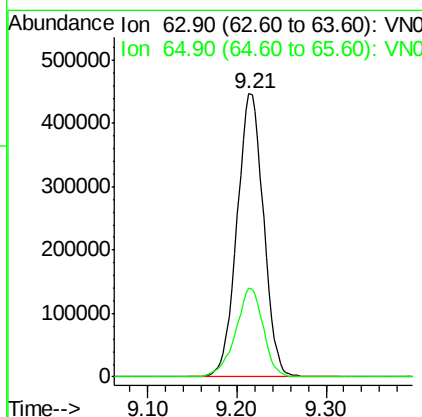
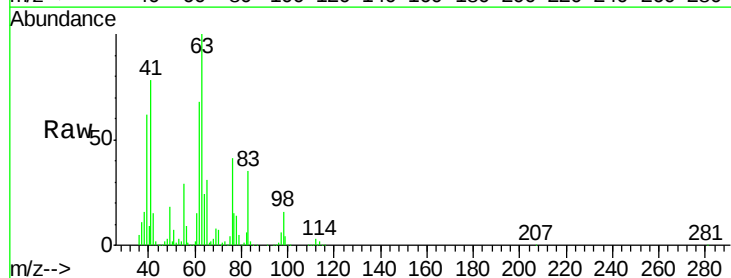
Manual Integrations
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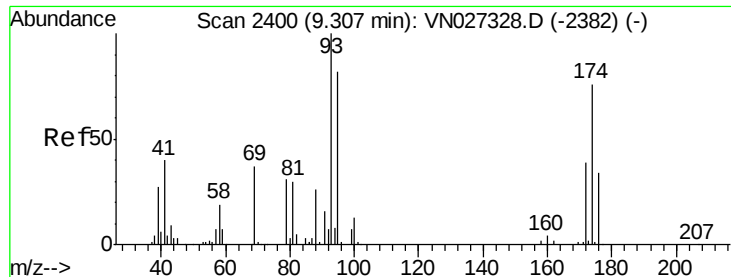
MMDadoda
 9/22/2015 2:27:58 PM



#46
 1,2-Dichloropropane
 Concen: 88.07 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	921754		
65	31.2	24.4	36.6	





#47

Dibromomethane

Concen: 89.91 ug/l

RT: 9.30 min Scan# 2399

Delta R.T. -0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

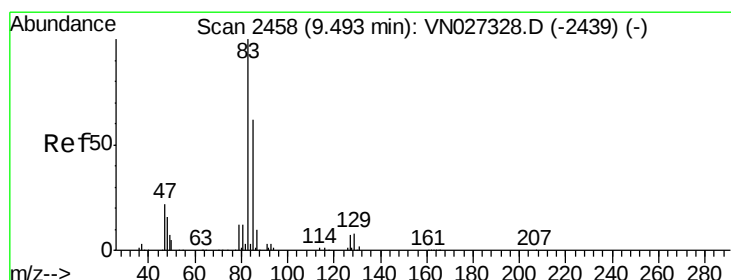
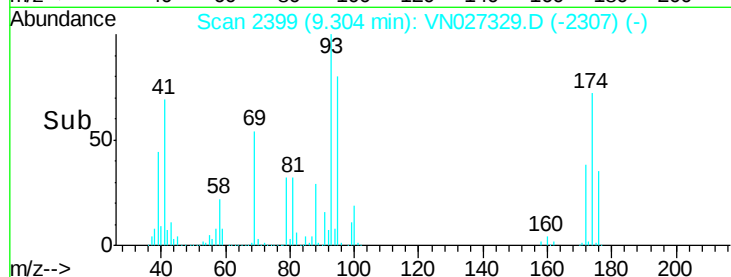
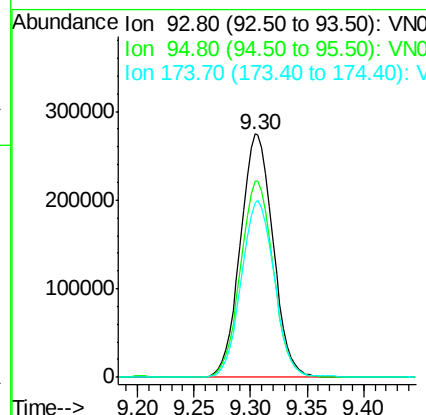
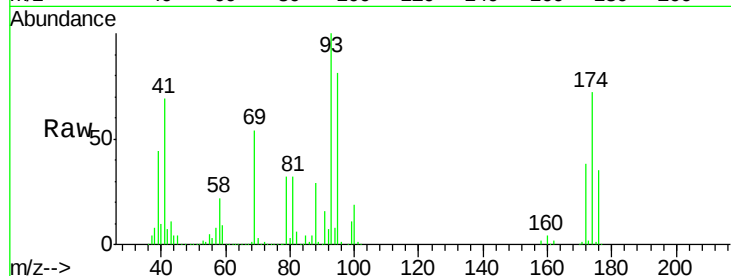
ClientSampleId :

VSTDIC100

Tot Ion:	93	Resp:	552496
Ion	Ratio	Lower	Upper
93	100		
95	81.1	66.3	99.5
174	73.4	67.8	101.6

Manual Integrations
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#48

Bromodichloromethane

Concen: 92.59 ug/l

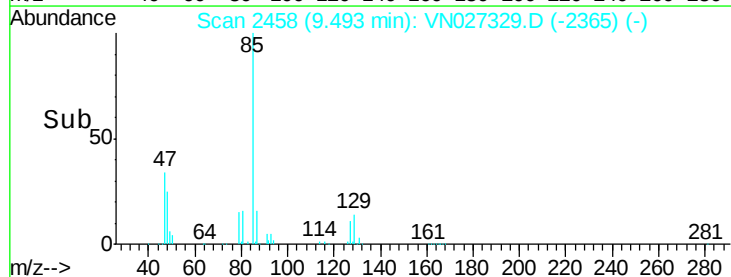
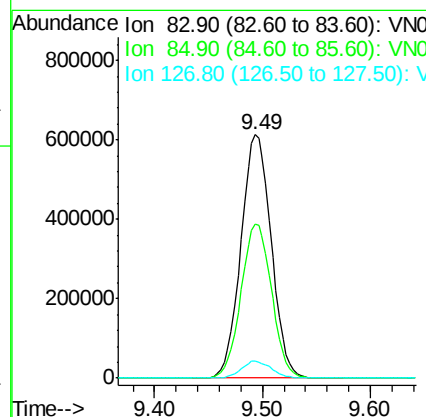
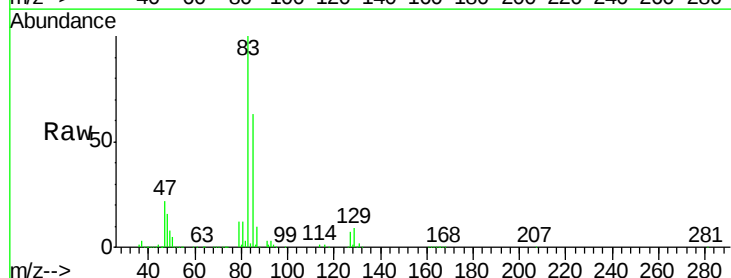
RT: 9.49 min Scan# 2458

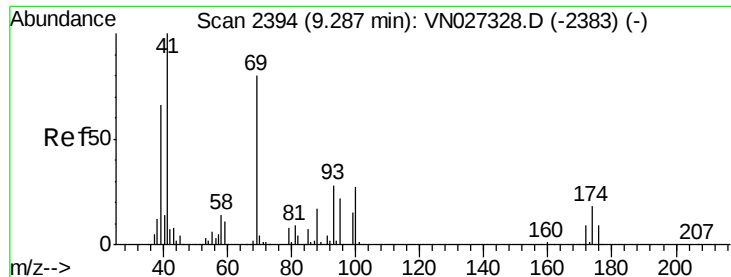
Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Tgt Ion:	83	Resp:	1199072
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	6.9	5.5	8.3





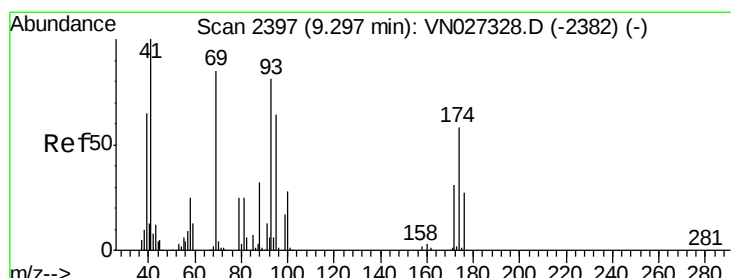
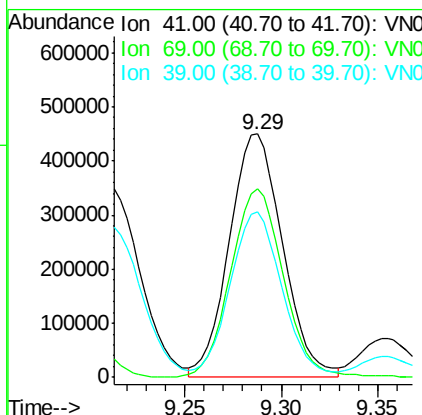
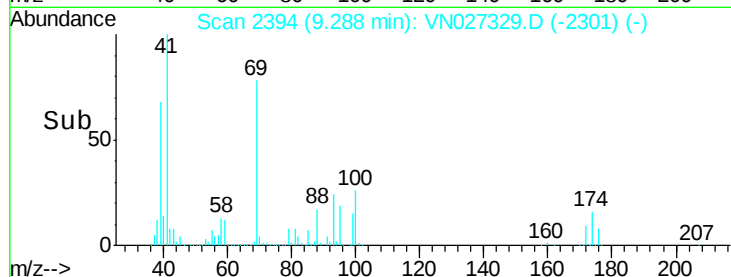
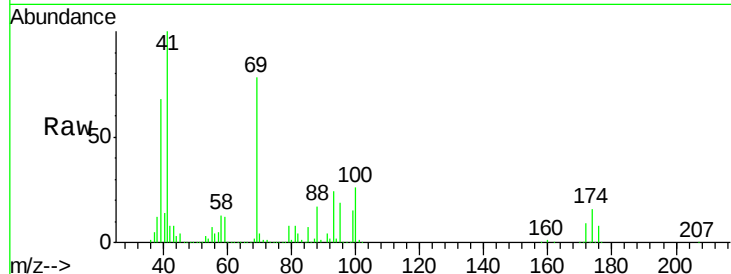
#49
Methvl methacrylate
Concen: 86.48 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
69	77.3	59.3	88.9
39	66.4	39.5	59.3#

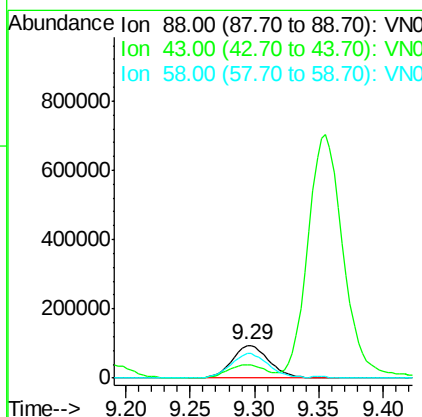
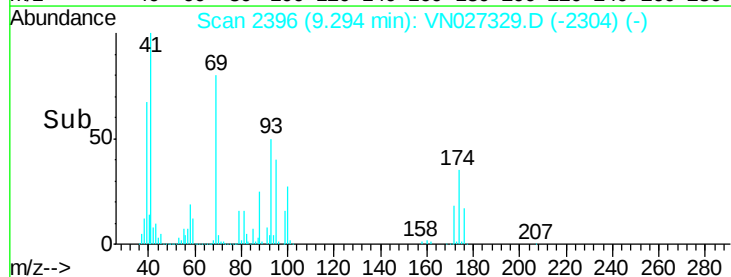
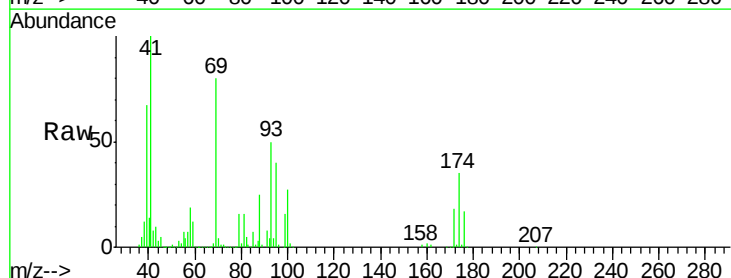
Manual Integrations
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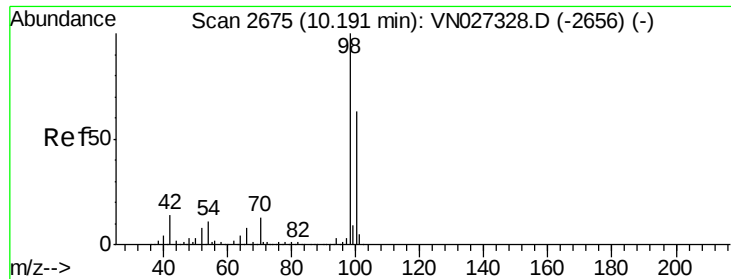
MMDadoda
9/22/2015 2:27:58 PM



#50
1,4-Dioxane
Concen: 1627.07 ug/l
RT: 9.29 min Scan# 2396
Delta R.T. -0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion	Ratio	Lower	Upper
88	100		
43	39.9	27.6	41.4
58	76.4	63.1	94.7





#51

Toluene-d8

Concen: 91.49 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 98 Resp: 2644621

Ion Ratio Lower Upper

98 100

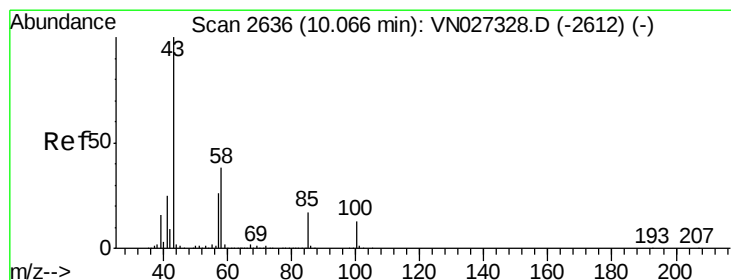
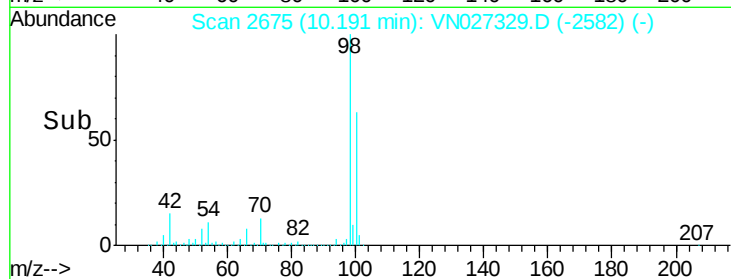
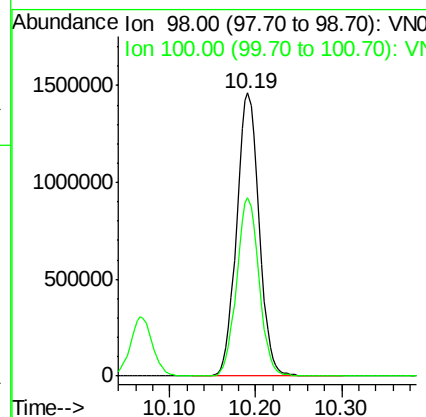
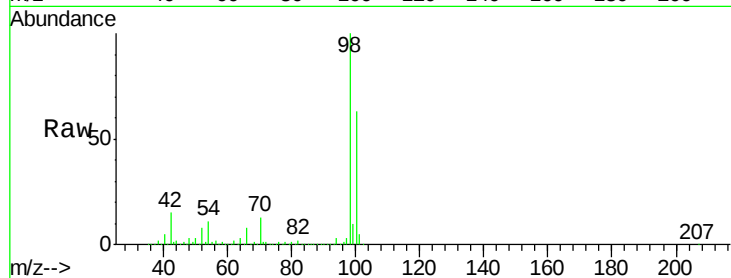
100 62.8 50.5 75.7

Manual Integrations

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#52

4-Methyl-2-Pentanone

Concen: 418.82 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027329.D

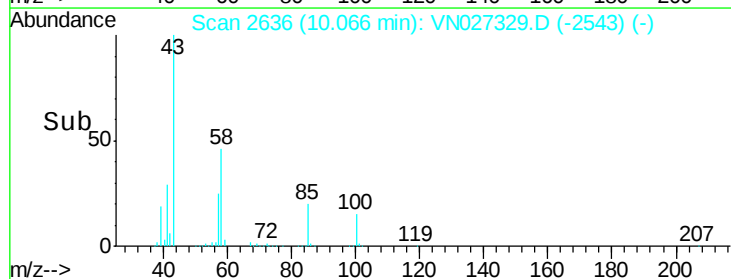
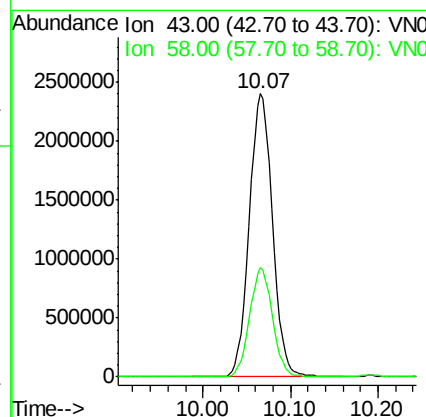
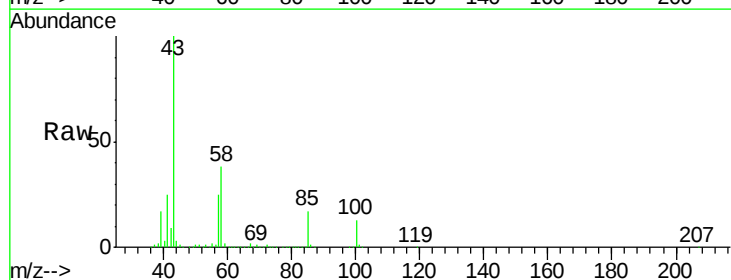
Acq: 21 Sep 2015 12:16

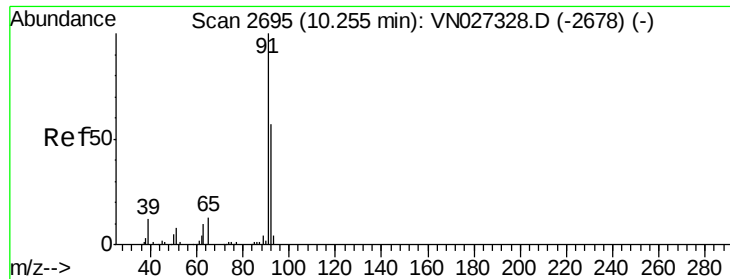
Tgt Ion: 43 Resp: 4411772

Ion Ratio Lower Upper

43 100

58 38.1 29.8 44.8





#53

Toluene

Concen: 90.30 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 92 Resp: 1924055

Ion Ratio Lower Upper

92 100

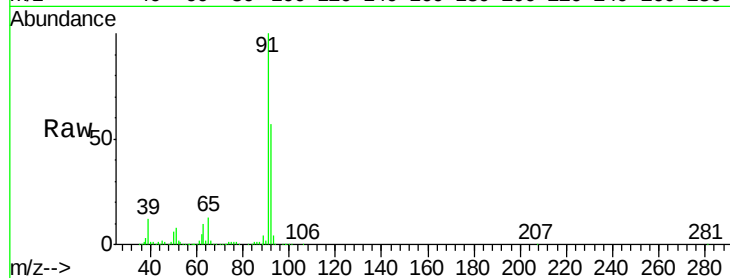
91 173.6 141.4 212.2

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

2000000

1500000

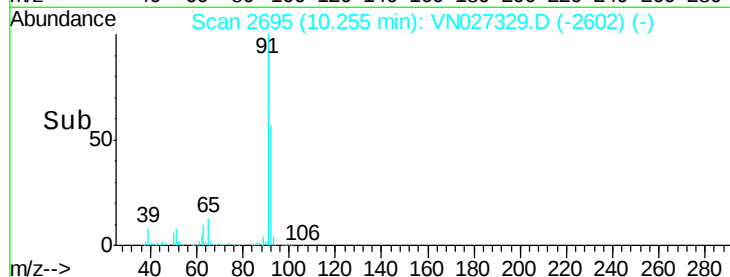
1000000

500000

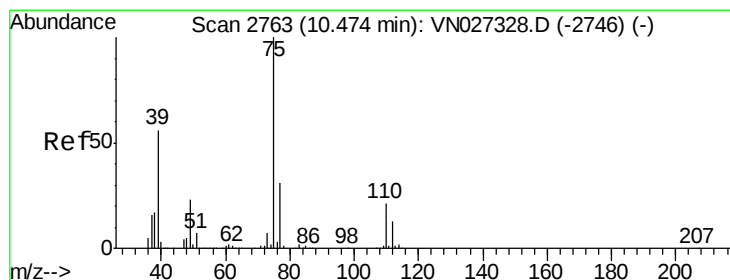
0

10.26

10.20 10.30 10.40



Time-->



#54

t-1,3-Dichloropropene

Concen: 90.54 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027329.D

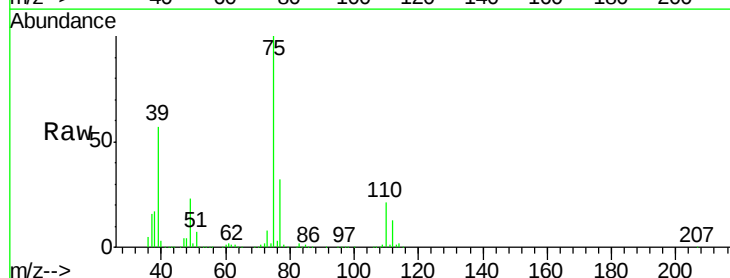
Acq: 21 Sep 2015 12:16

Tgt Ion: 75 Resp: 1316633

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

800000

600000

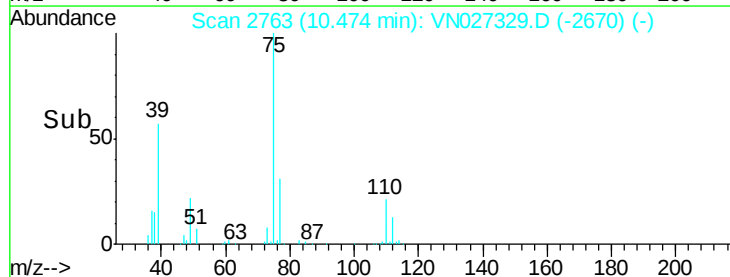
400000

200000

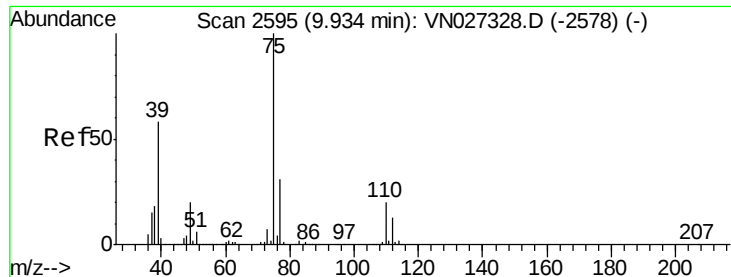
0

10.47

10.40 10.50 10.60



Time-->



#55

cis-1,3-Dichloropropene

Concen: 89.94 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDICC100

Tot Ion: 75 Resp: 1422846

Ion Ratio Lower Upper

75 100

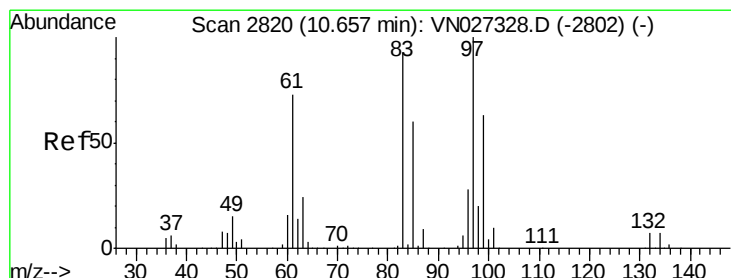
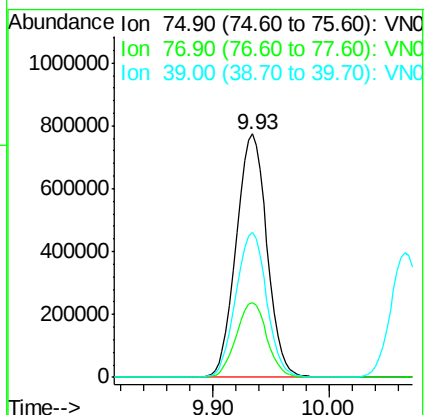
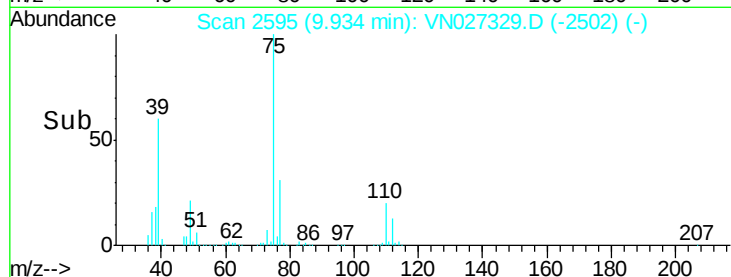
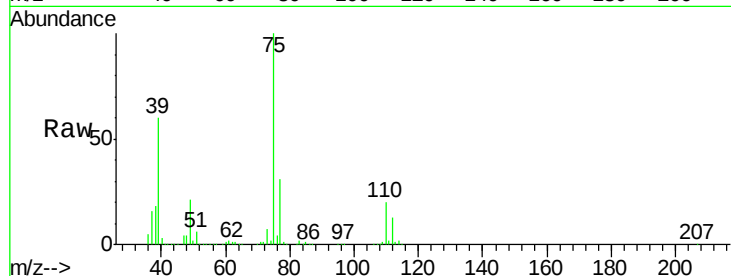
77 30.8 25.6 38.4

39 59.7 41.6 62.4

Manual Integrations
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#56

1,1,2-Trichloroethane

Concen: 91.40 ug/l

RT: 10.66 min Scan# 2820

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Tgt Ion: 97 Resp: 731914

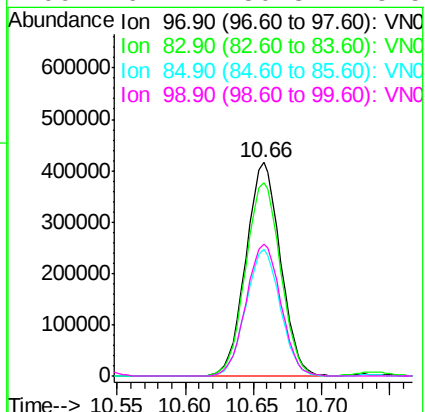
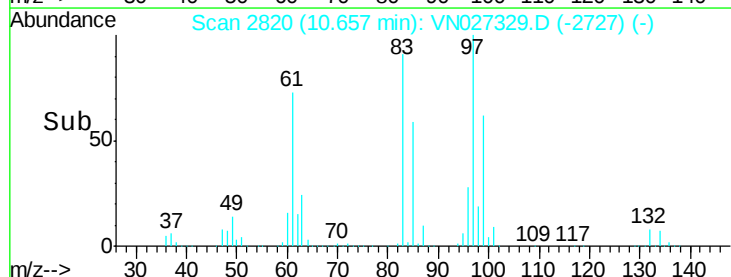
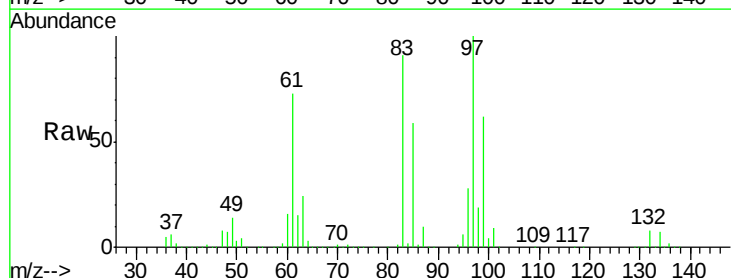
Ion Ratio Lower Upper

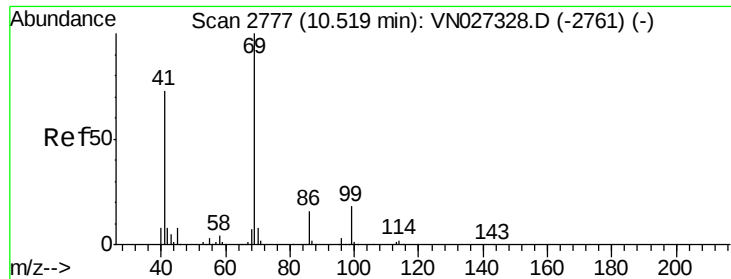
97 100

83 90.7 75.0 112.4

85 59.0 48.0 72.0

99 61.7 50.3 75.5





#57

Ethyl methacrylate

Concen: 88.01 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 69 Resp: 1187662

Ion Ratio Lower Upper

69 100

41 71.8 61.3 91.9

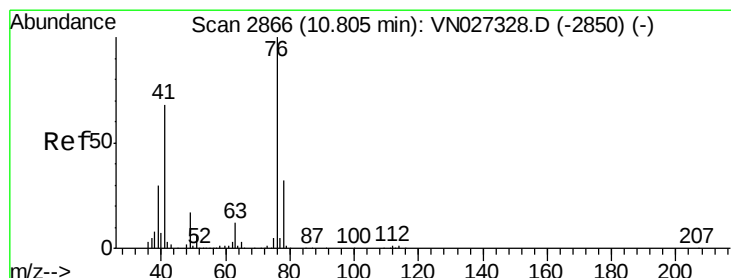
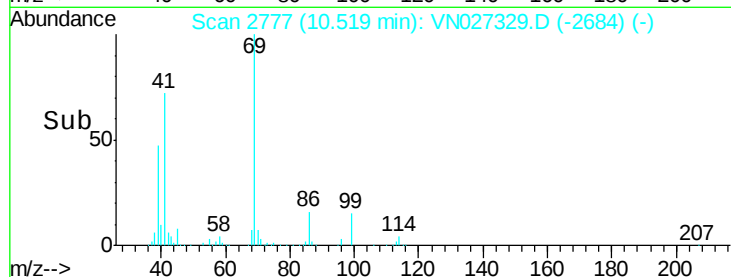
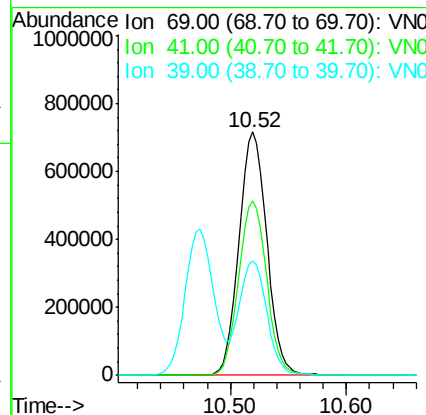
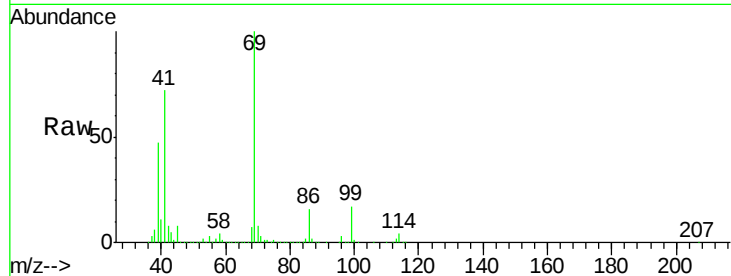
39 47.7 28.4 42.6#

Manual Integrations

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#58

1,3-Dichloropropane

Concen: 90.12 ug/l

RT: 10.80 min Scan# 2865

Delta R.T. -0.00 min

Lab File: VN027329.D

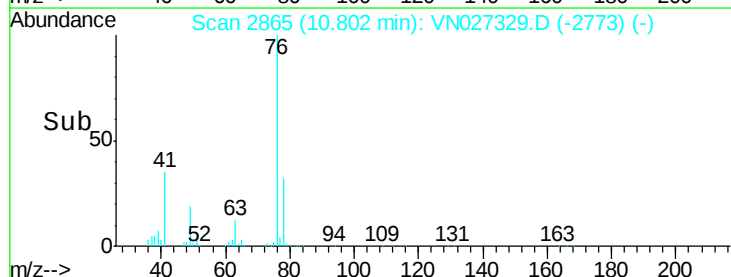
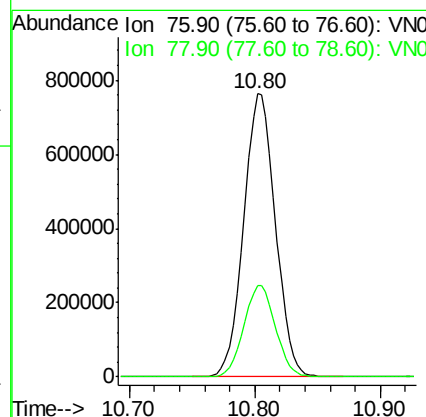
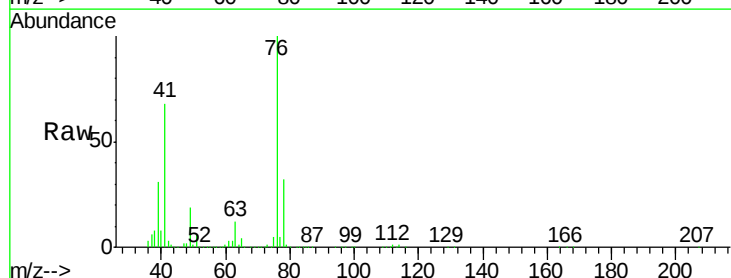
Acq: 21 Sep 2015 12:16

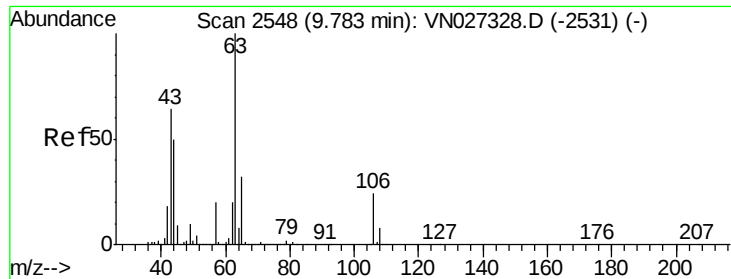
Tgt Ion: 76 Resp: 1339728

Ion Ratio Lower Upper

76 100

78 32.2 25.0 37.6





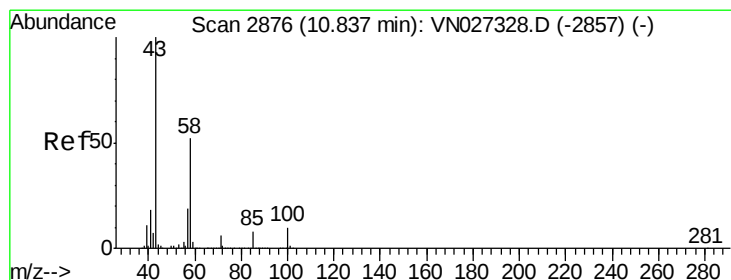
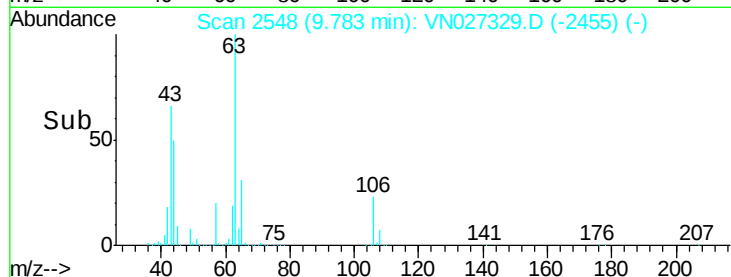
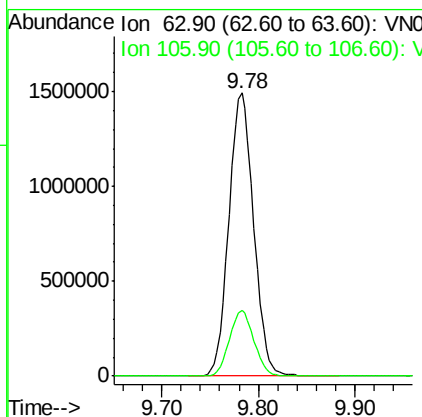
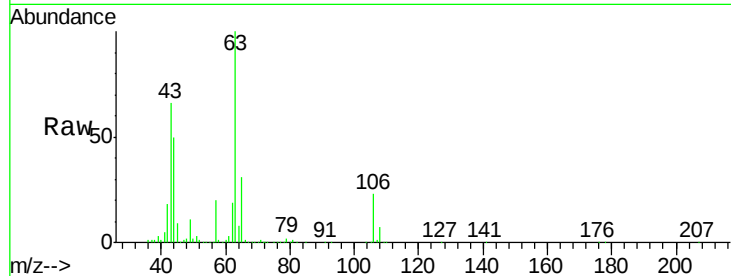
#59
2-Chloroethyl Vinyl ether
Concen: 428.21 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 63 Resp: 2653259
Ion Ratio Lower Upper
63 100
106 23.0 17.7 26.5

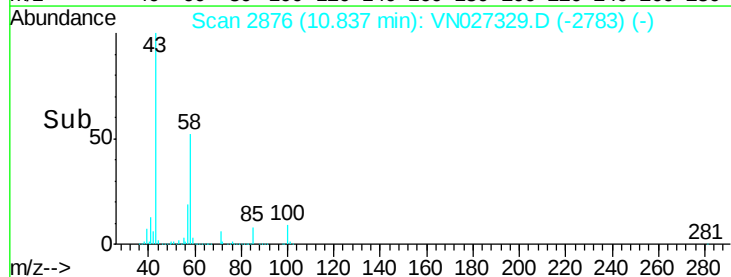
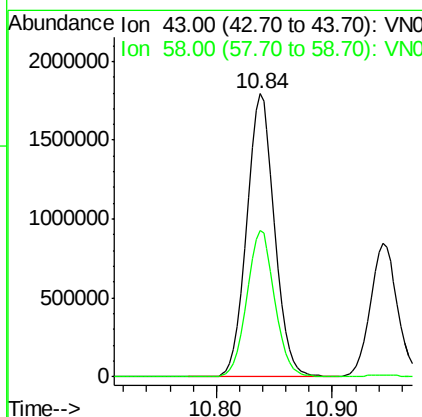
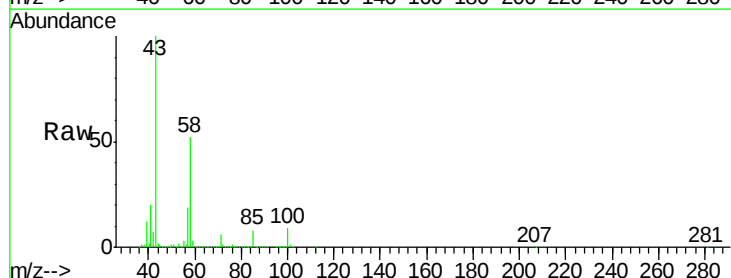
Manual Integrations
APPROVED

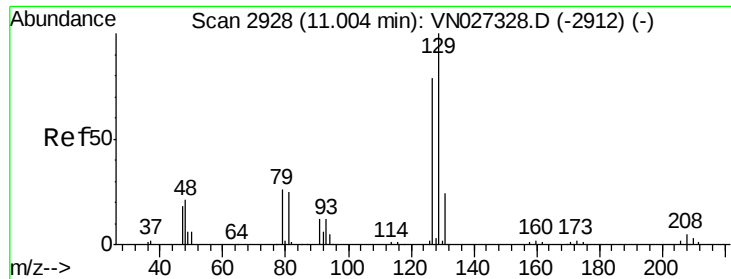
MMDadoda
9/22/2015 2:27:58 PM



#60
2-Hexanone
Concen: 418.39 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion: 43 Resp: 3000641
Ion Ratio Lower Upper
43 100
58 51.8 26.2 78.5





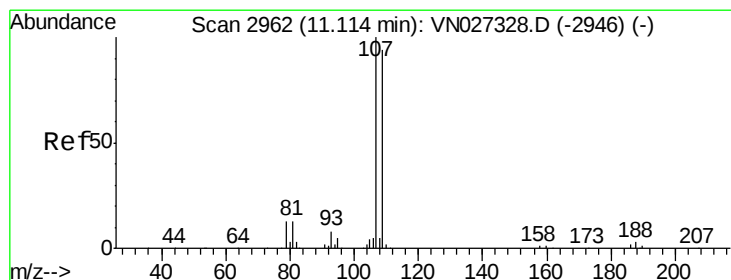
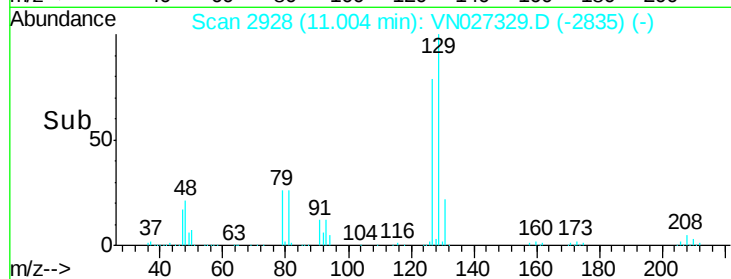
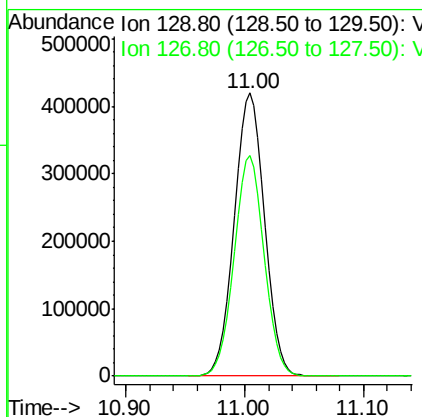
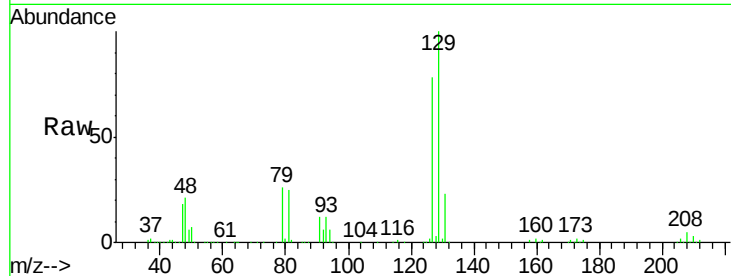
#61
Dibromochloromethane
Concen: 90.49 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
129	100		740039		
127	77.1	39.1	117.2		

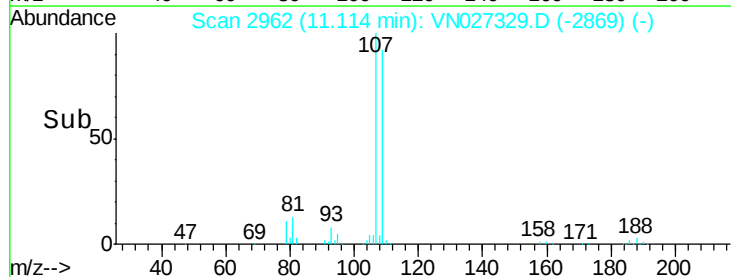
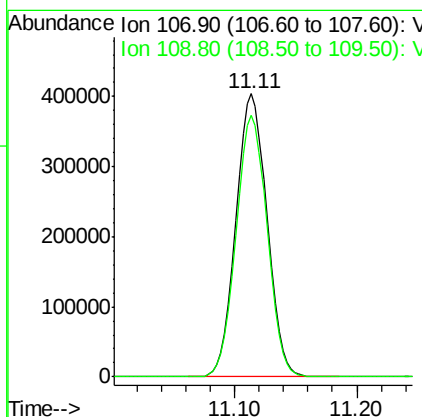
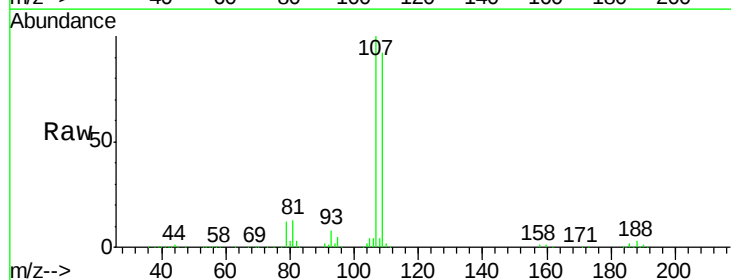
Manual Integrations
APPROVED

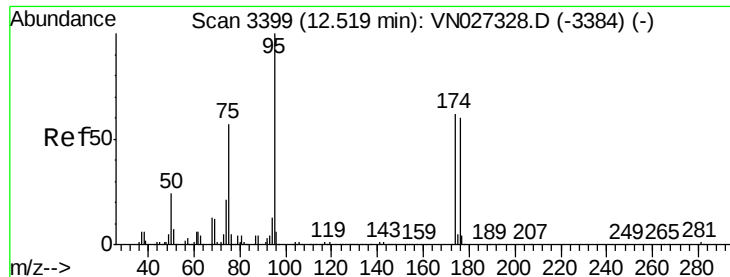
MMDadoda
9/22/2015 2:27:58 PM



#62
1,2-Dibromoethane
Concen: 90.31 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
107	100		710714		
109	92.5	75.6	113.4		





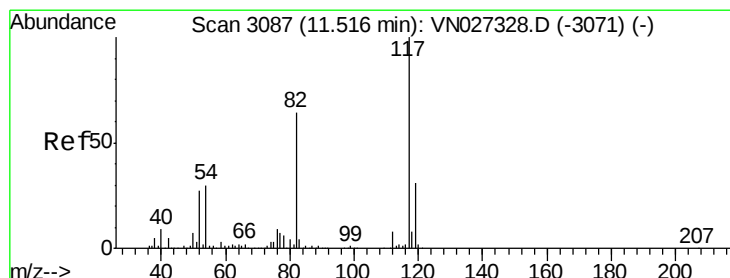
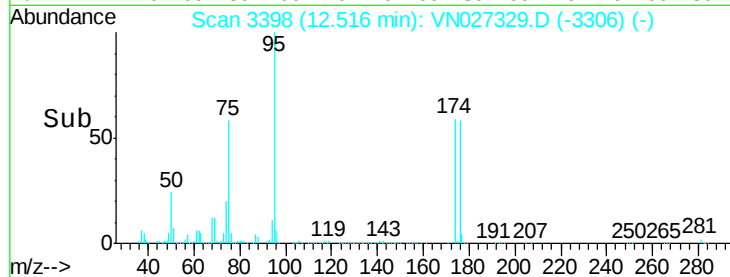
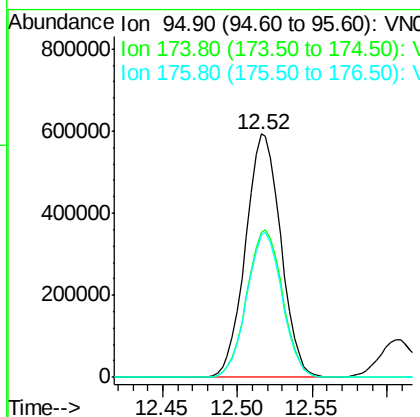
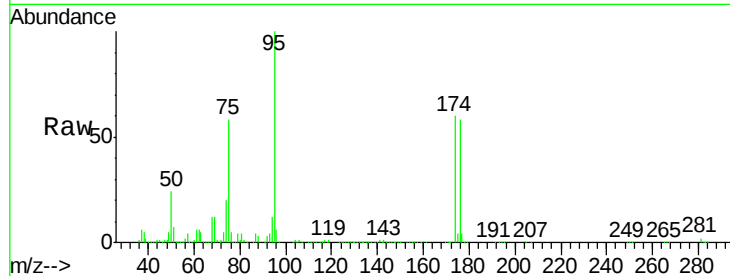
#63
4-Bromofluorobenzene
Concen: 94.81 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. -0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
95	100	972790		
174	61.6	0.0	137.0	
176	59.4	0.0	130.8	

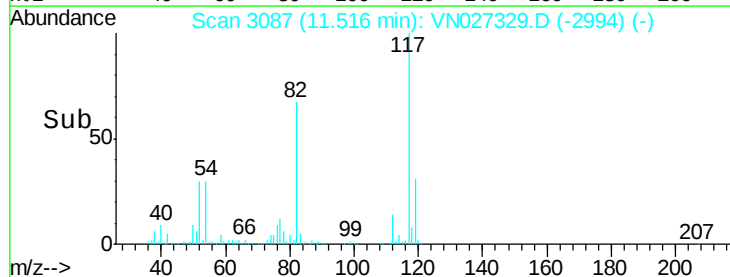
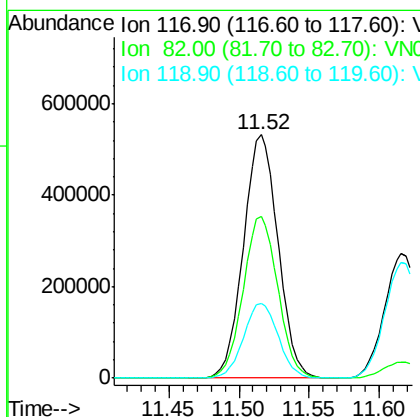
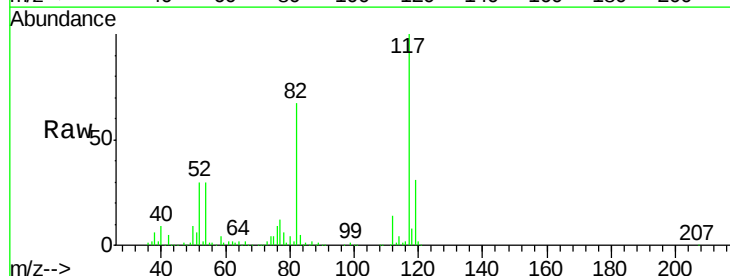
Manual Integrations
APPROVED

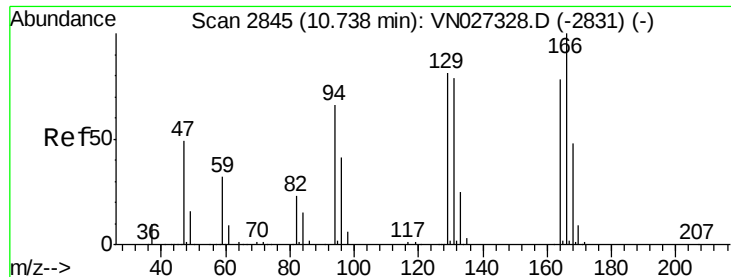
MMDadoda
9/22/2015 2:27:58 PM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	916702		
82	66.5	49.6	74.4	
119	30.8	24.6	36.8	





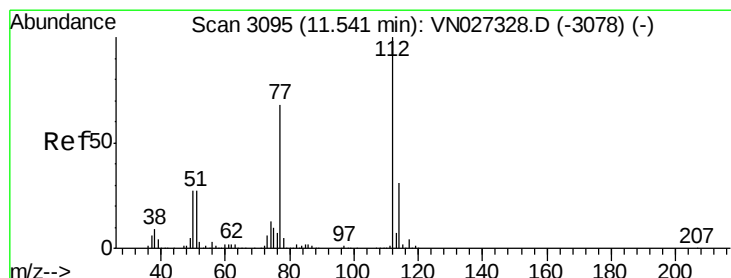
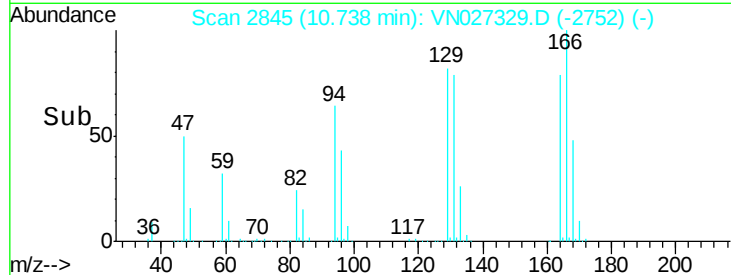
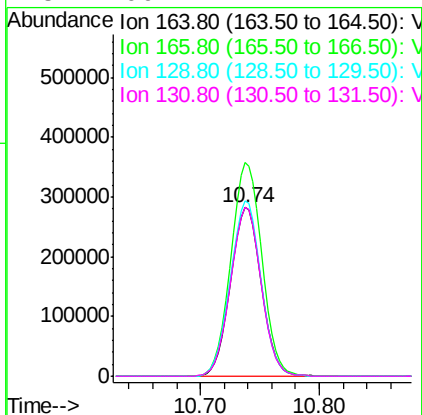
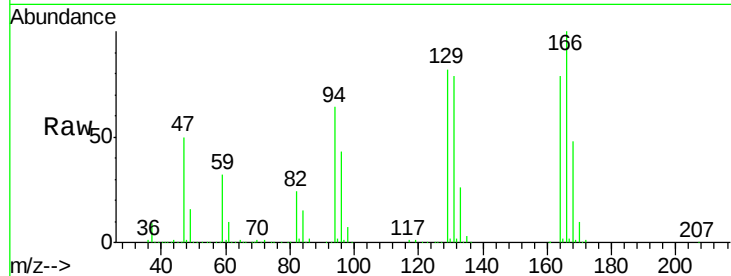
#65
Tetrachloroethene
Concen: 86.34 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.4	155.0
129	103.9	77.5	116.3
131	100.4	74.2	111.4

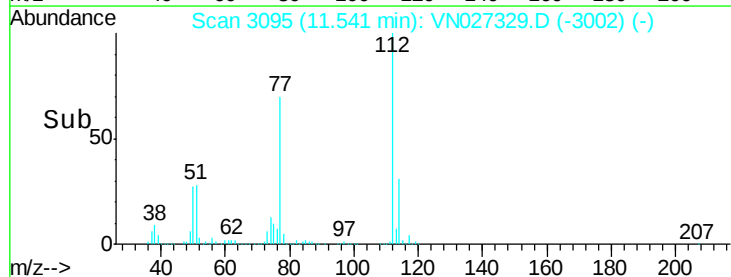
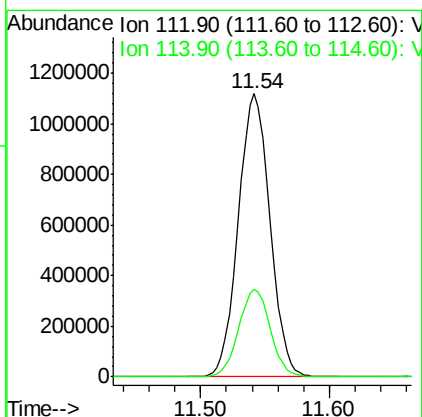
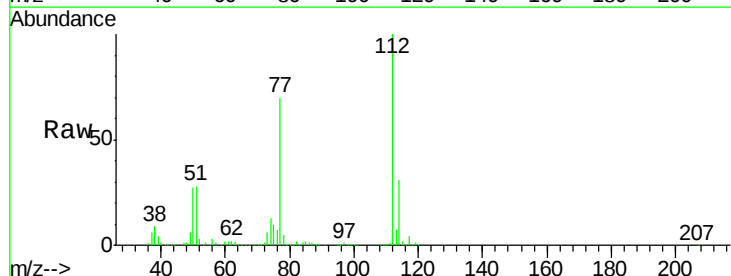
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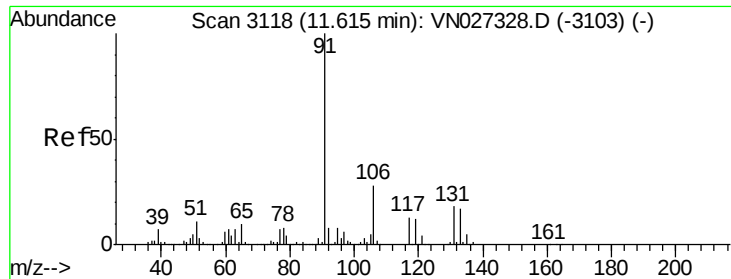
MMDadoda
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#66
Chlorobenzene
Concen: 88.22 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	24.9	37.3





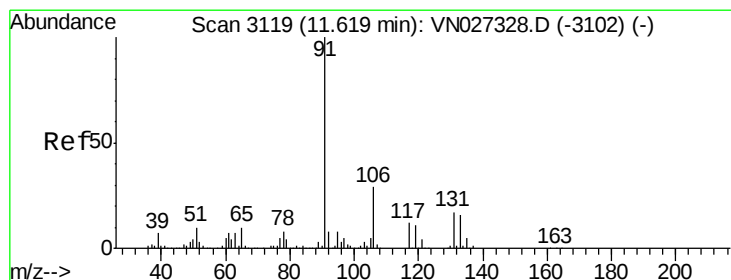
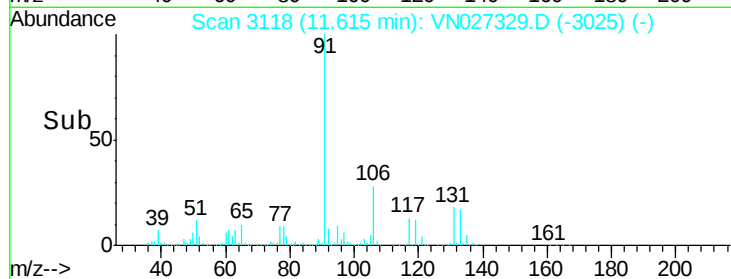
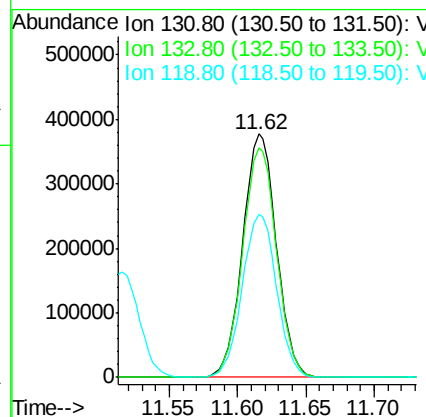
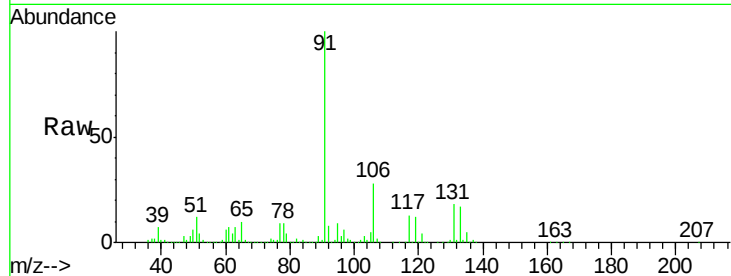
#67
 1,1,1,2-Tetrachloroethane
 Concen: 87.61 ug/l
 RT: 11.62 min Scan# 3118
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.0	141.2
119	68.3	35.1	105.5

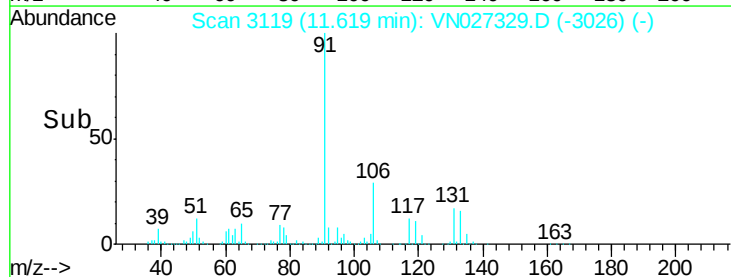
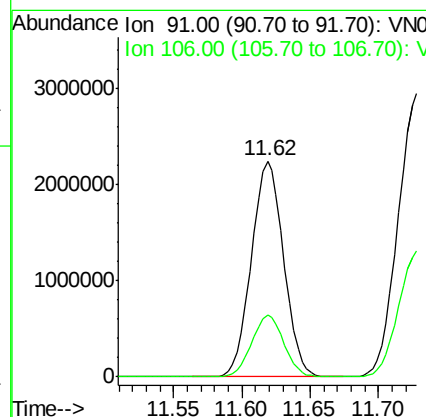
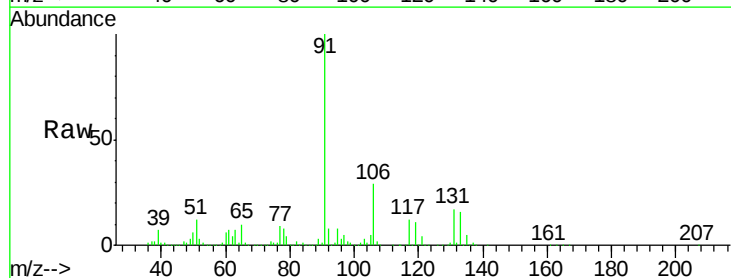
Manual Integrations
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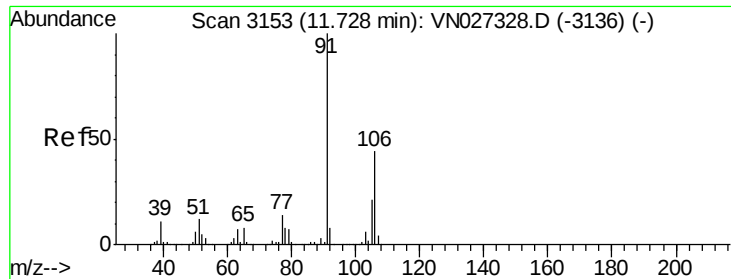
MMDadoda
 9/22/2015 2:27:58 PM



#68
 Ethyl Benzene
 Concen: 89.66 ug/l
 RT: 11.62 min Scan# 3119
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.6	23.1	34.7





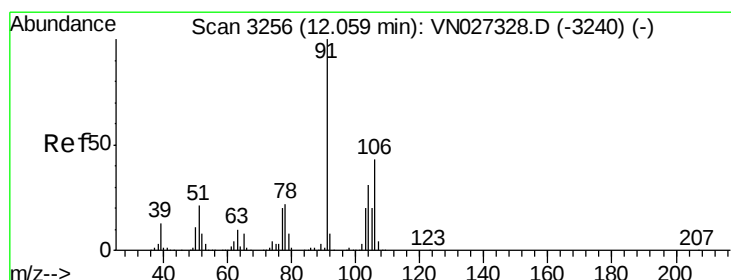
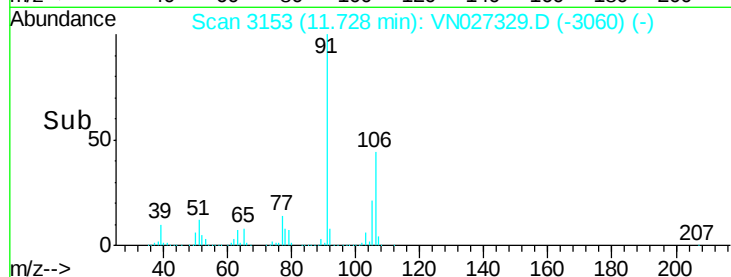
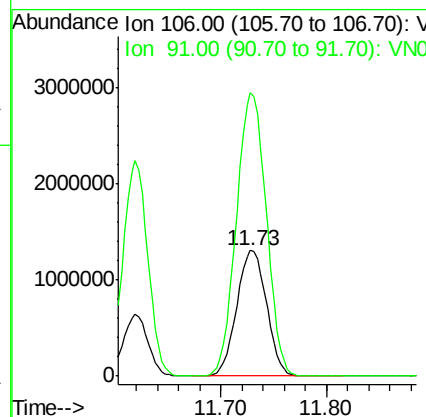
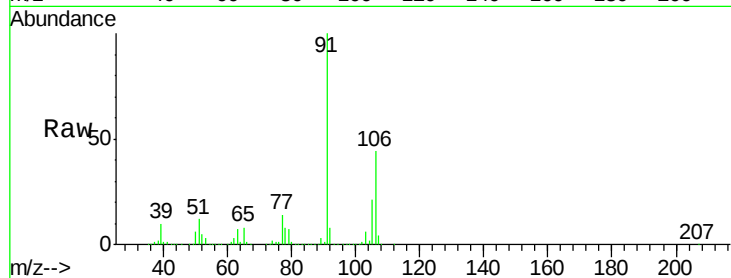
#69
m/p-Xylenes
Concen: 180.73 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 2558921
Ion Ratio Lower Upper
106 100
91 225.7 167.1 250.7

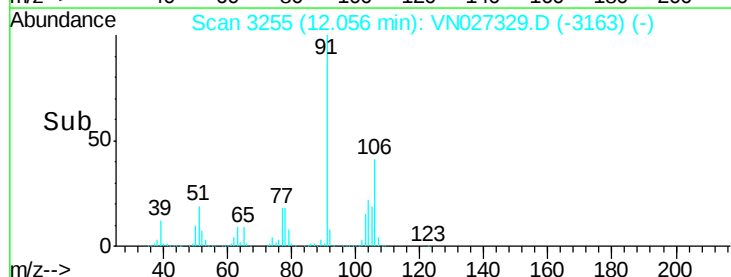
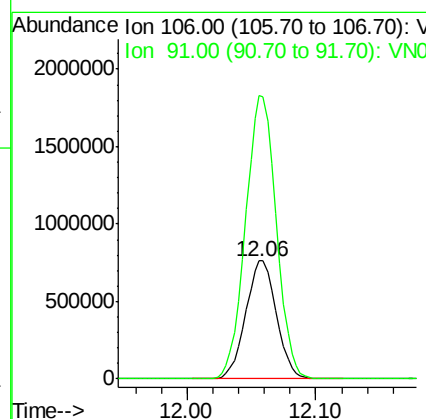
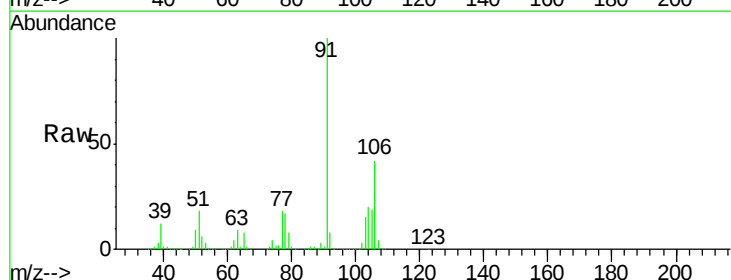
Manual Integrations
APPROVED

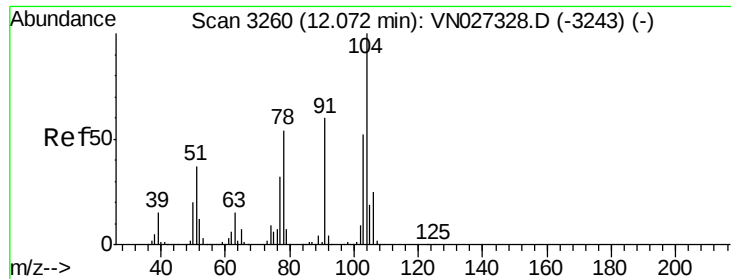
MMDadoda
9/22/2015 2:27:58 PM



#70
o-Xylene
Concen: 88.82 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion:106 Resp: 1260757
Ion Ratio Lower Upper
106 100
91 240.1 110.7 331.9





#71

Stvrene

Concen: 92.81 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:104 Resp: 2126632

Ion Ratio Lower Upper

104 100

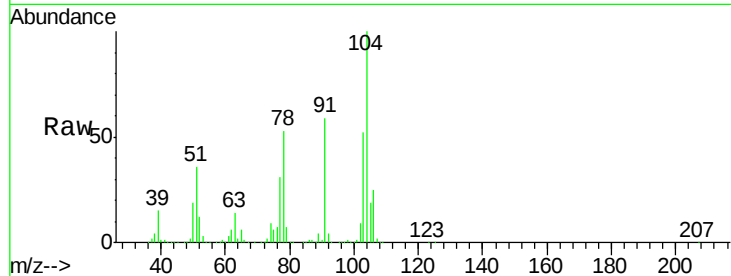
78 59.3 41.6 62.4

103 55.8 44.2 66.2

Manual Integrations
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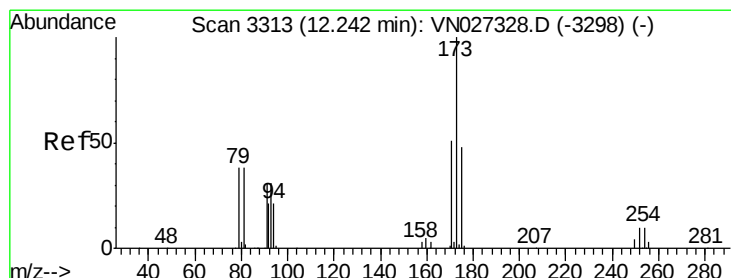
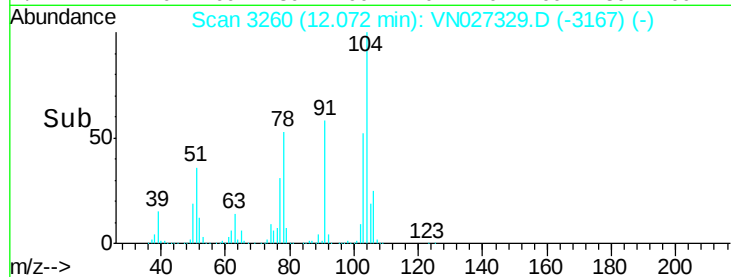
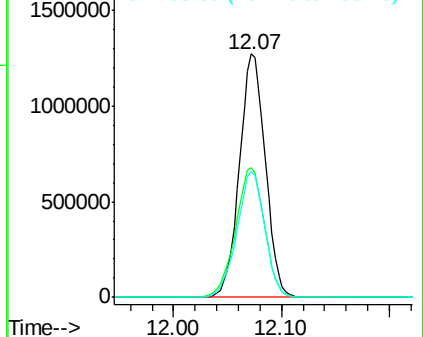
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 87.48 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

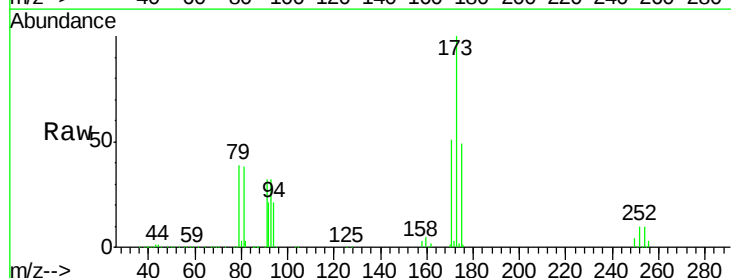
Tgt Ion:173 Resp: 449095

Ion Ratio Lower Upper

173 100

175 48.6 24.4 73.4

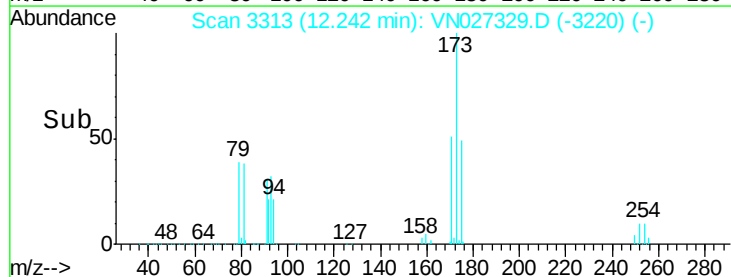
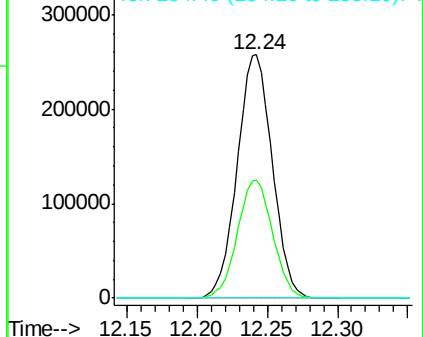
254 0.2 0.1 0.1#

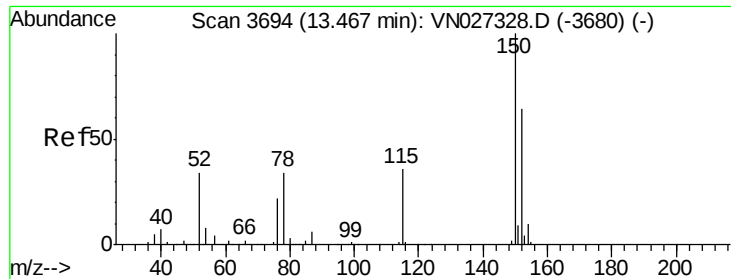


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:152 Resp: 362316

Ion Ratio Lower Upper

152 100

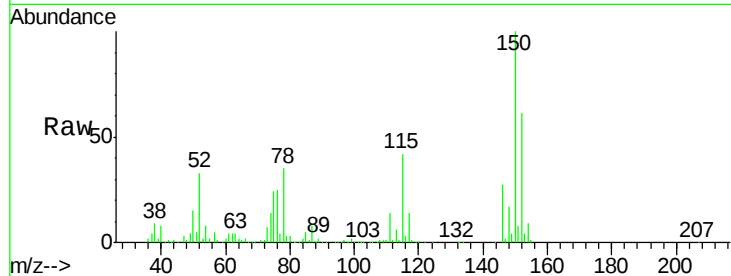
115 68.7 30.8 92.3

150 191.3 0.0 345.0

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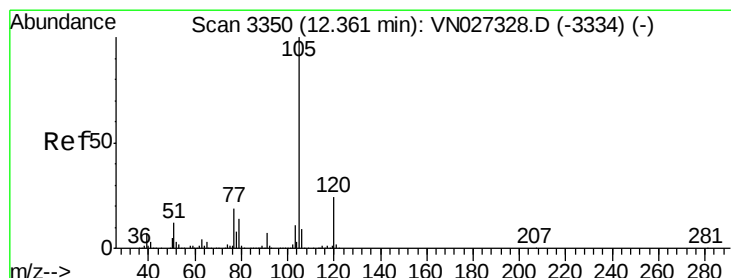
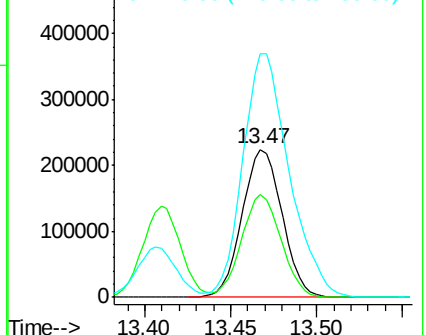
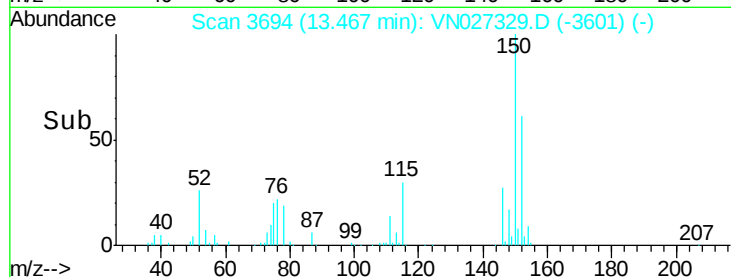
9/22/2015 2:27:58 PM



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 86.66 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027329.D

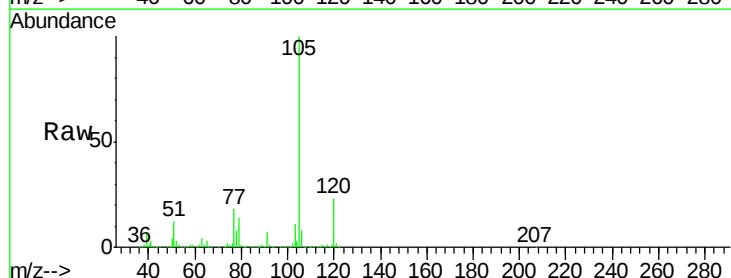
Acq: 21 Sep 2015 12:16

Tgt Ion:105 Resp: 3460124

Ion Ratio Lower Upper

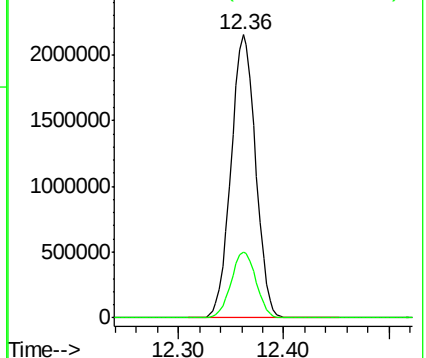
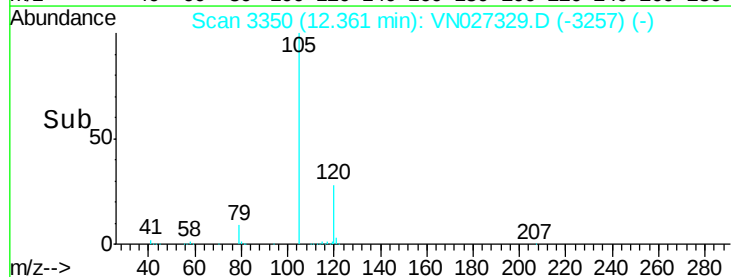
105 100

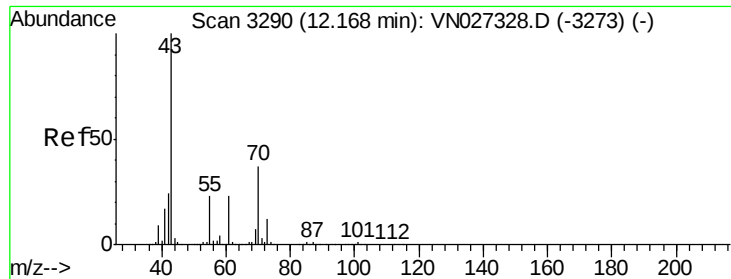
120 23.6 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

N-amyl acetate

Concen: 82.77 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 1474947

Ion Ratio Lower Upper

43 100

70 37.6 29.8 44.8

55 22.7 19.4 29.0

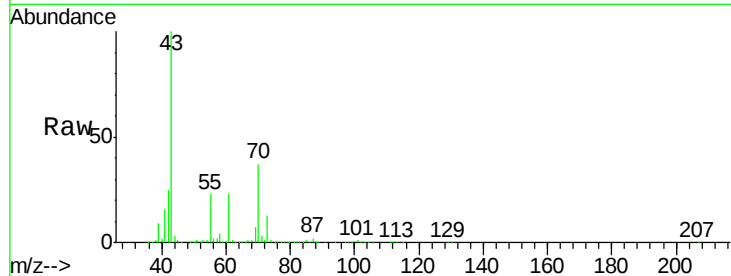
61 23.2 18.2 27.2

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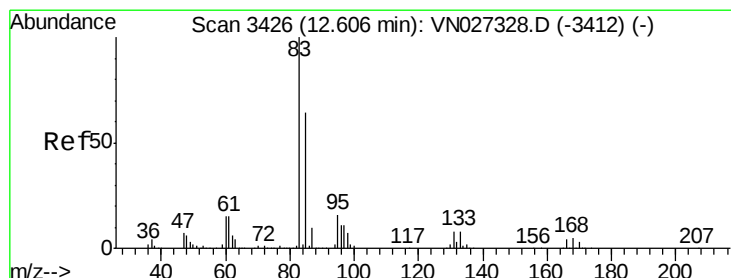
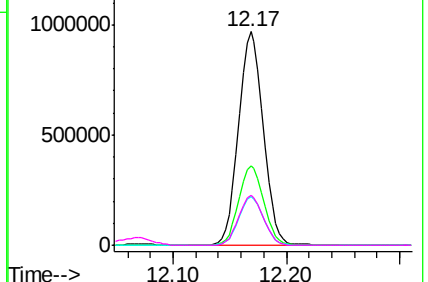
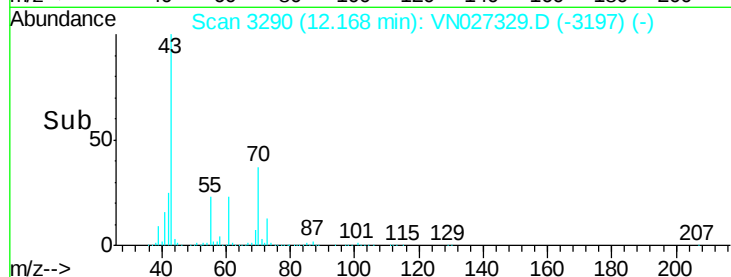


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#76

1,1,2,2-Tetrachloroethane

Concen: 79.11 ug/l

RT: 12.61 min Scan# 3426

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

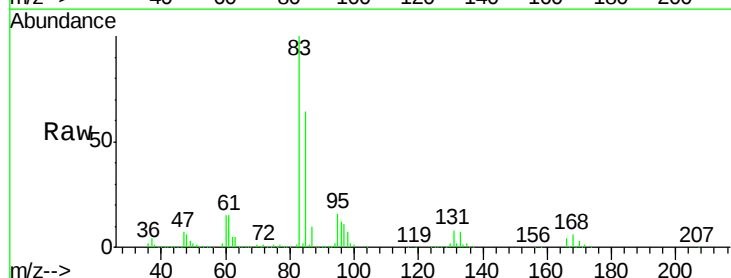
Tgt Ion: 83 Resp: 937992

Ion Ratio Lower Upper

83 100

131 8.7 4.1 12.3

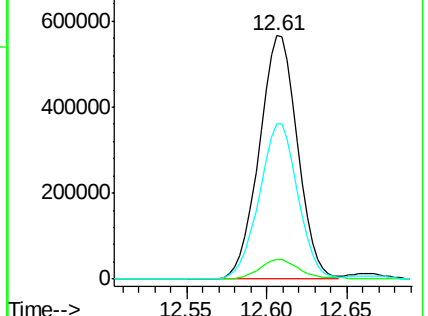
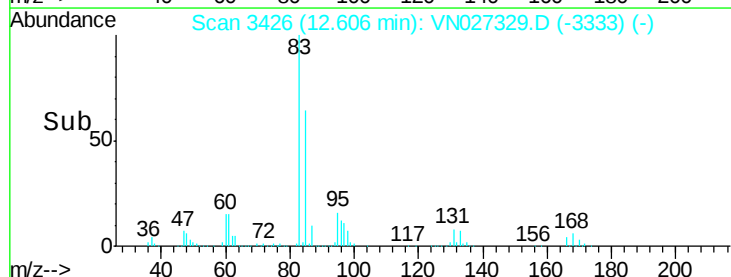
85 64.1 31.9 95.7

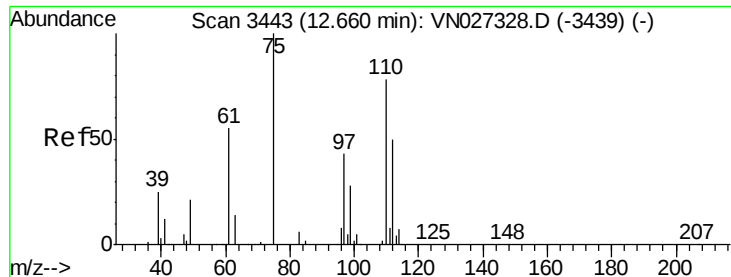


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0





#77

1,2,3-Trichloropropane

Concen: 74.35 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 814092

Ion Ratio Lower Upper

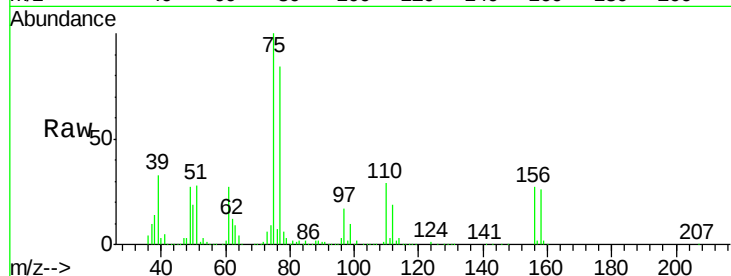
75 100

77 225.3 103.1 309.3

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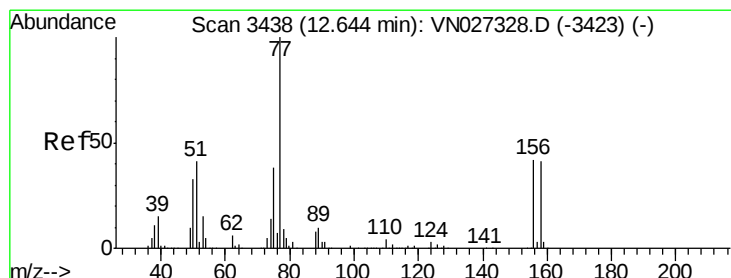
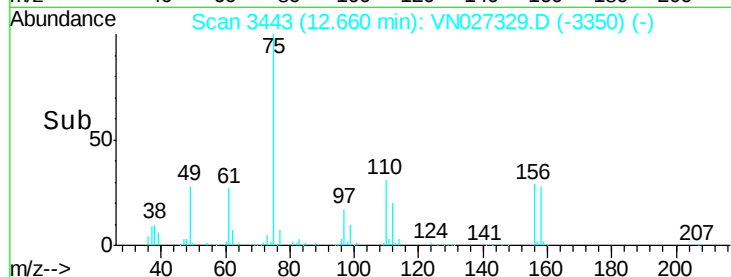
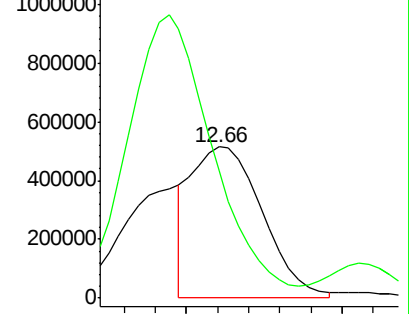
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Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

Bromobenzene

Concen: 85.33 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

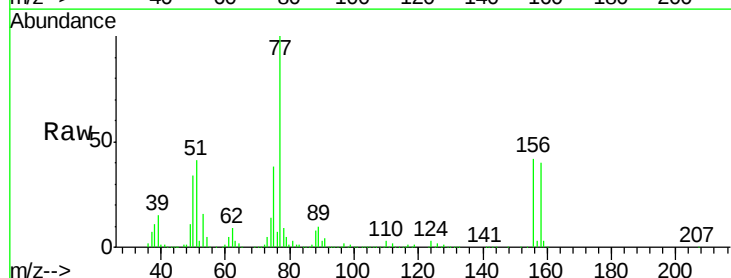
Tgt Ion: 156 Resp: 668062

Ion Ratio Lower Upper

156 100

77 274.6 127.3 381.9

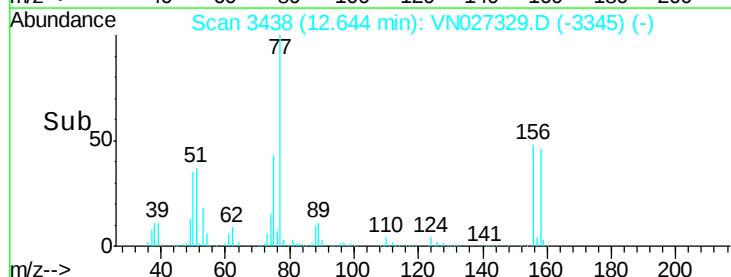
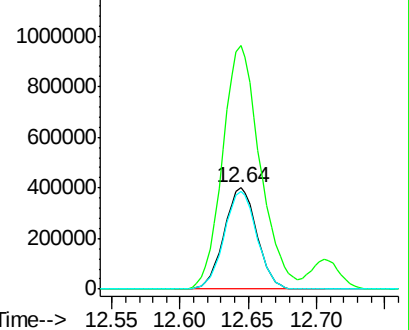
158 96.5 48.0 144.2

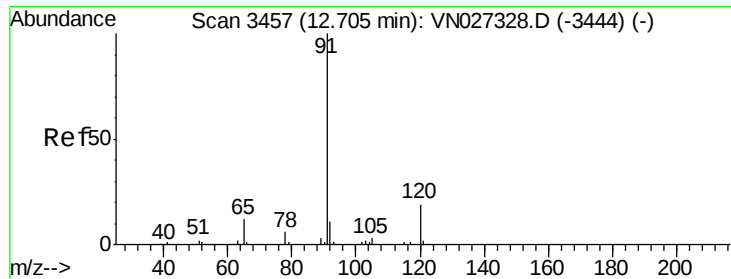


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#79

n-propylbenzene

Concen: 89.55 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 4206528

Ion Ratio Lower Upper

91 100

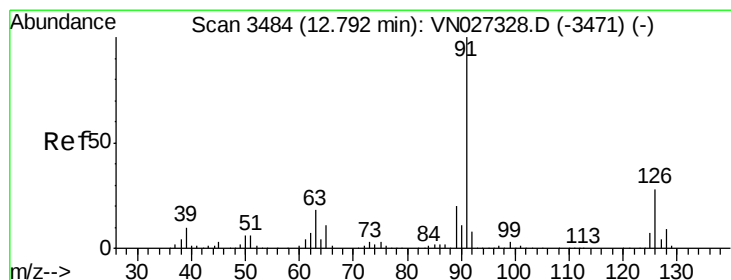
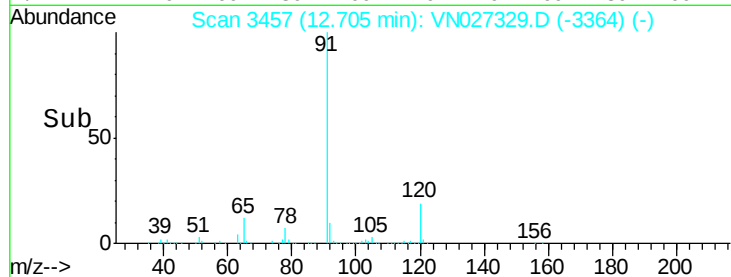
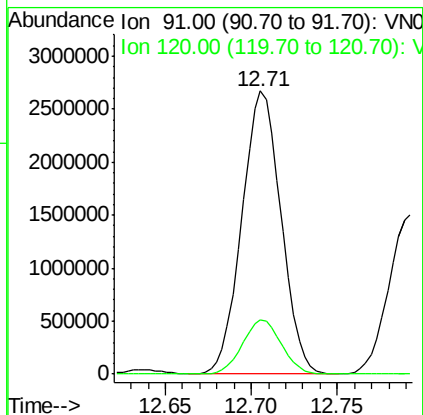
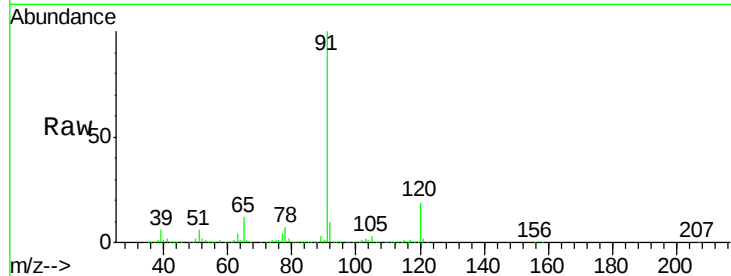
120 19.2 10.3 30.8

Manual Integrations

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#80

2-Chlorotoluene

Concen: 88.12 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027329.D

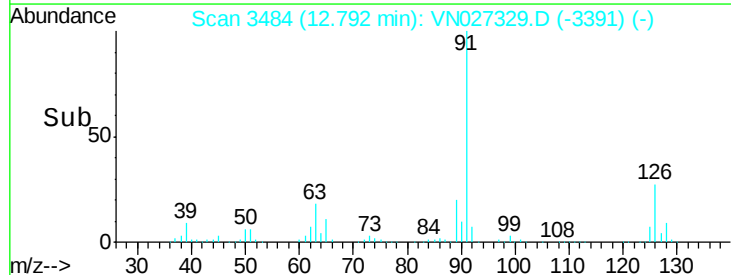
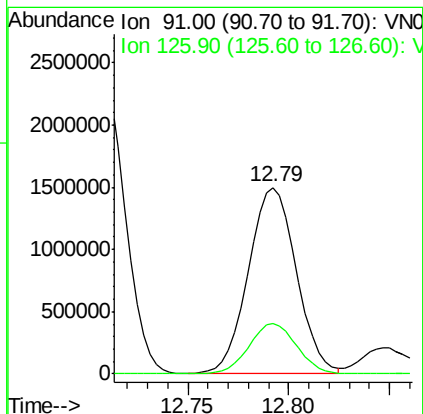
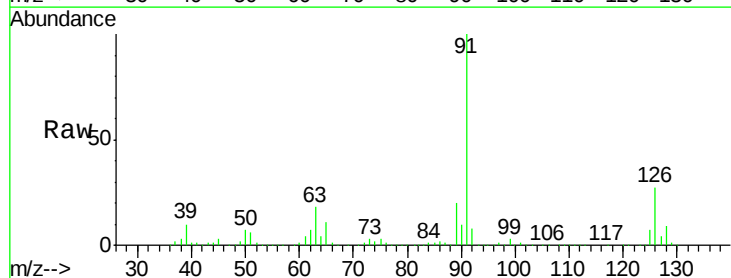
Acq: 21 Sep 2015 12:16

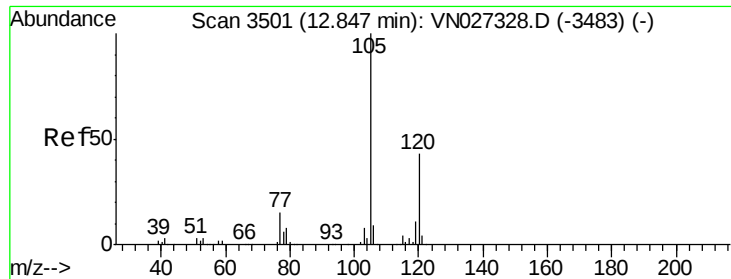
Tgt Ion: 91 Resp: 2485391

Ion Ratio Lower Upper

91 100

126 27.1 15.2 45.5





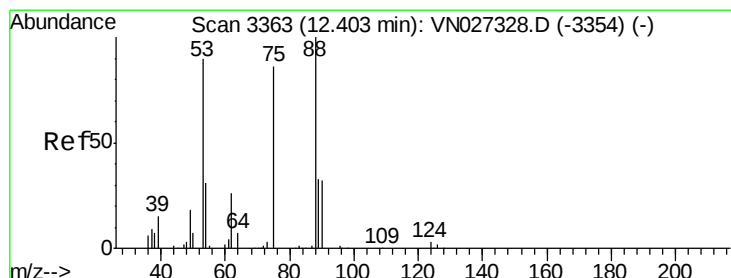
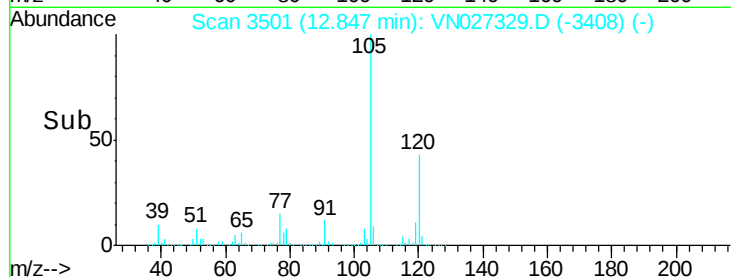
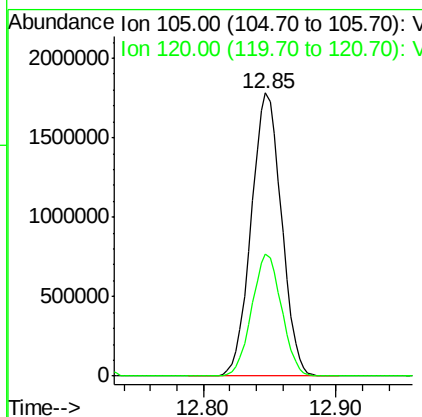
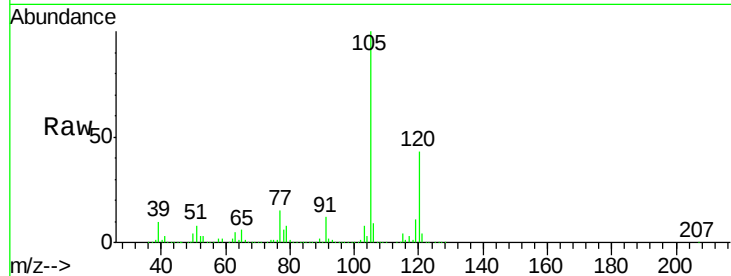
#81
 1,3,5-Trimethylbenzene
 Concen: 87.81 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2816784
 Ion Ratio Lower Upper
 105 100
 120 42.7 23.4 70.0

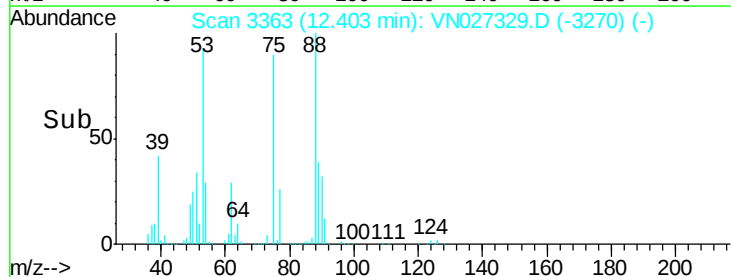
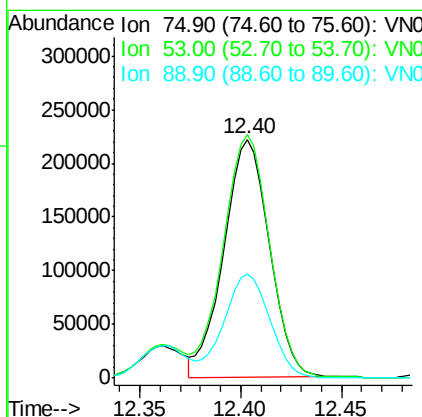
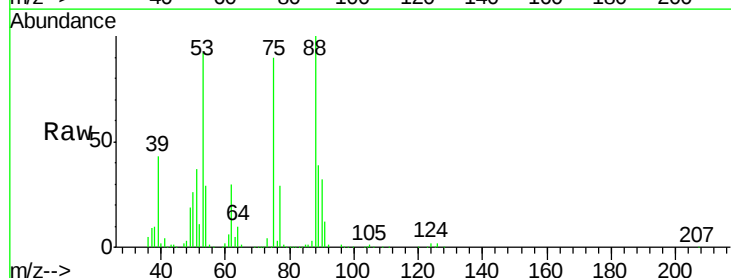
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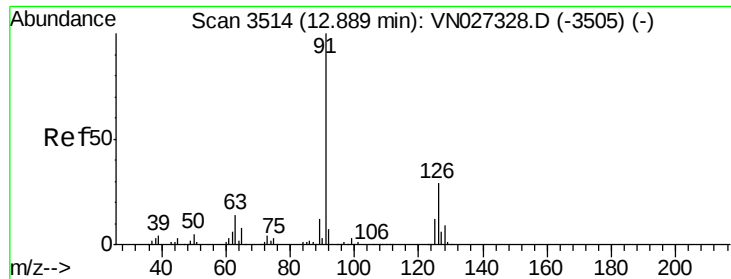
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#82
 trans-1,4-Dichloro-2-butene
 Concen: 78.63 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion: 75 Resp: 350509
 Ion Ratio Lower Upper
 75 100
 53 104.9 92.9 139.3
 89 44.1 34.2 51.4





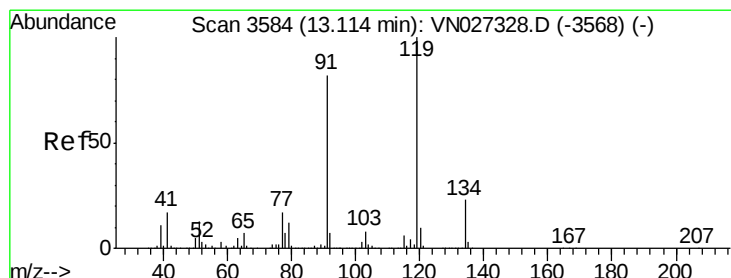
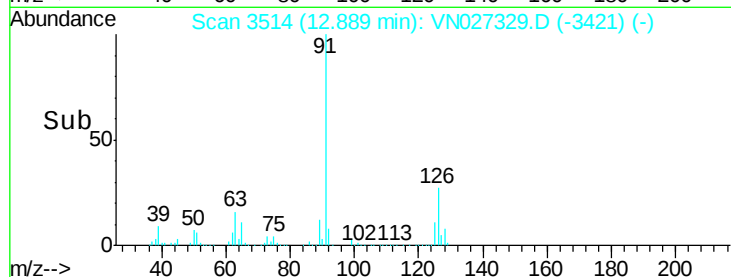
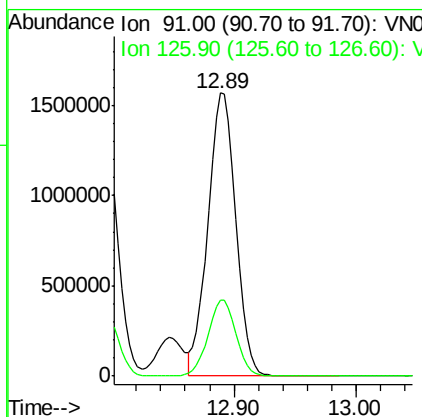
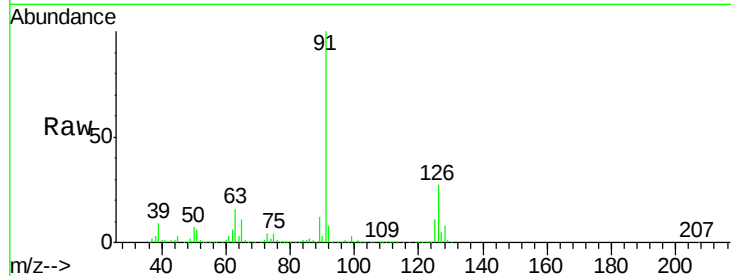
#83
4-Chlorotoluene
Concen: 90.38 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2504634
Ion Ratio Lower Upper
91 100
126 26.9 14.9 44.5

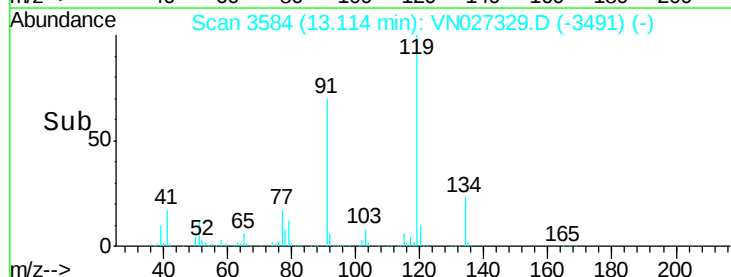
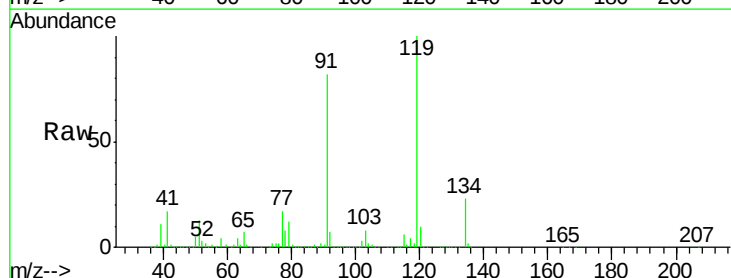
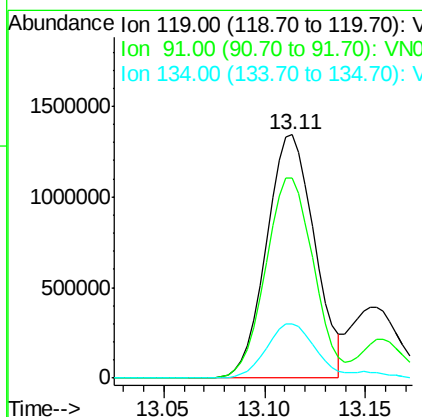
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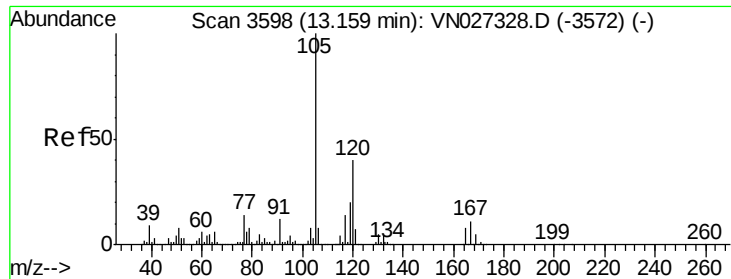
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#84
tert-Butylbenzene
Concen: 83.85 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion: 119 Resp: 2218908
Ion Ratio Lower Upper
119 100
91 82.0 34.6 103.8
134 22.7 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 87.94 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2833148

Ion Ratio Lower Upper

105 100

120 40.1

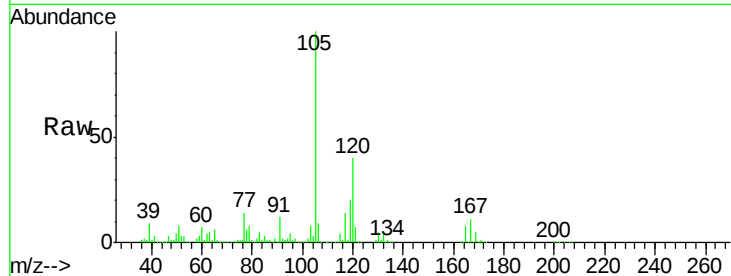
21.9

65.5

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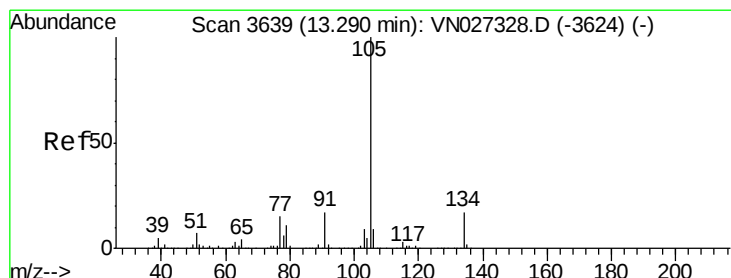
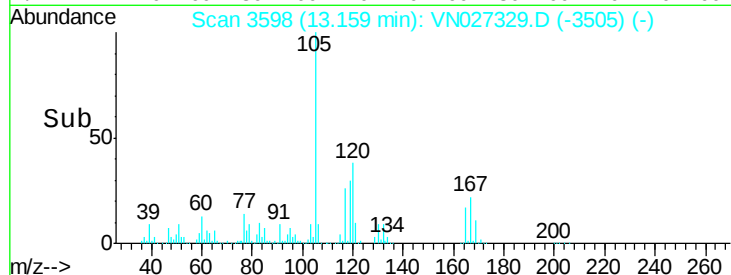
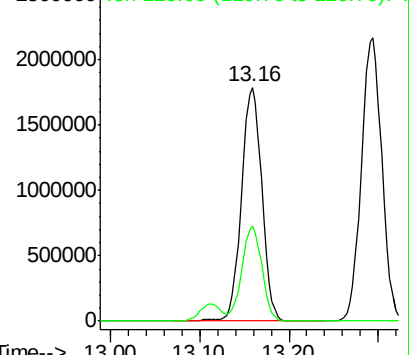
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

sec-Butylbenzene

Concen: 88.56 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Tgt Ion:105 Resp: 3433560

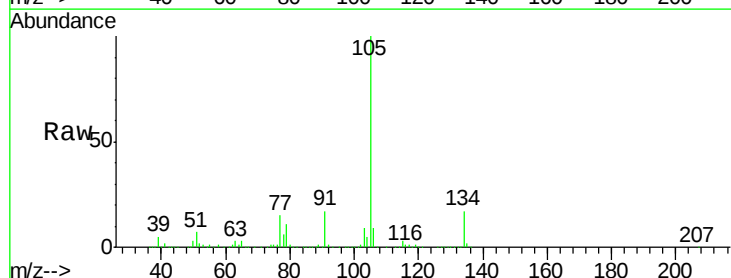
Ion Ratio Lower Upper

105 100

134 17.0

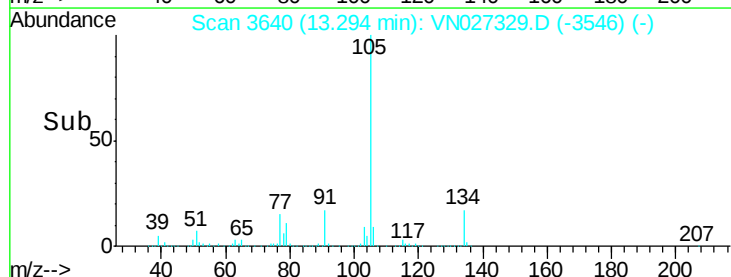
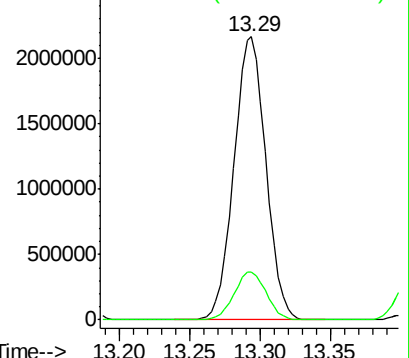
8.8

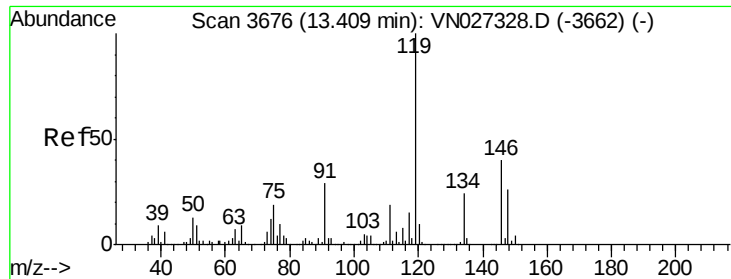
26.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





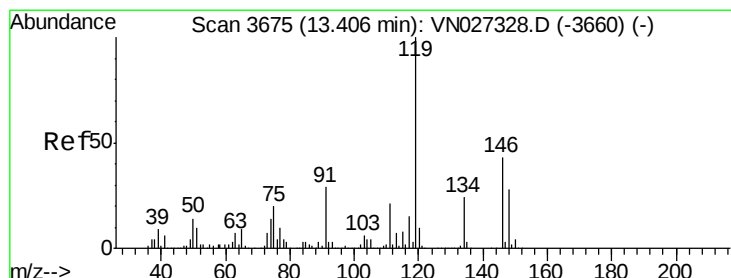
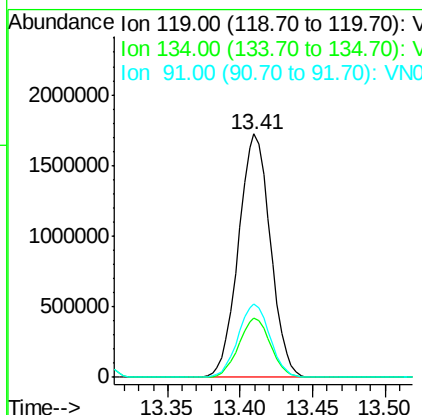
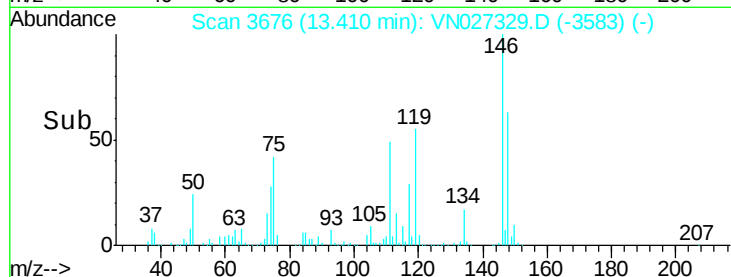
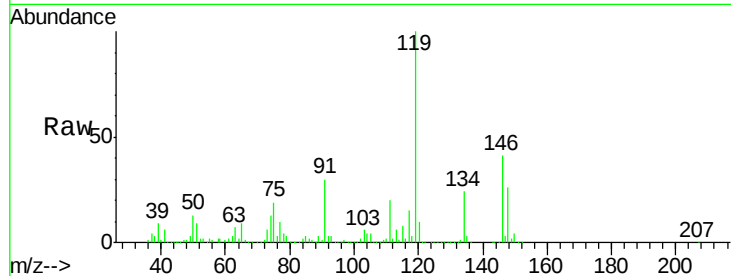
#87
p-Isopropyltoluene
Concen: 88.13 ug/l
RT: 13.41 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC100

Tot Ion:119 Resp: 2631551
Ion Ratio Lower Upper
119 100
134 24.2 12.4 37.0
91 30.0 12.0 36.1

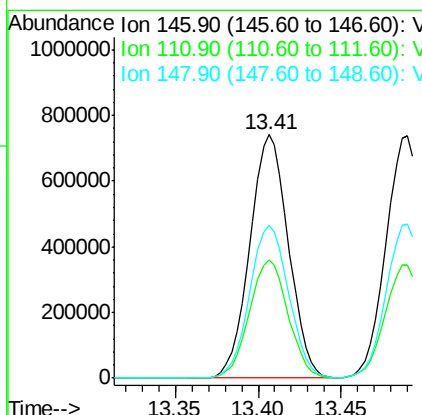
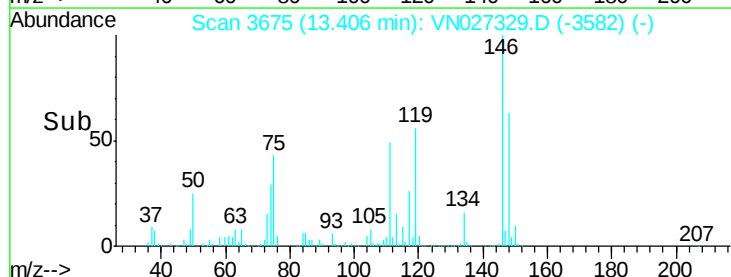
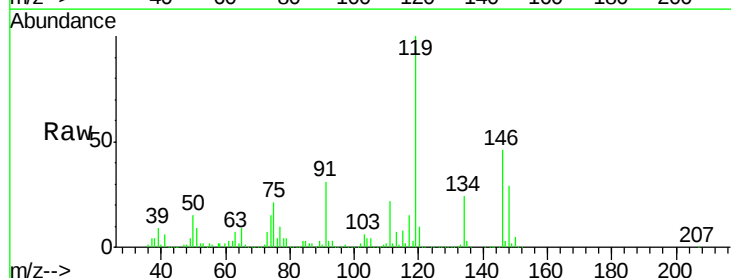
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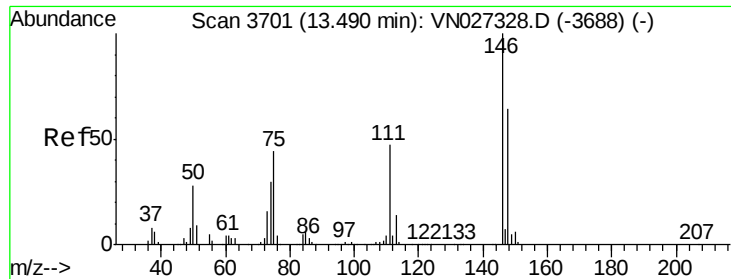
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#88
1,3-Dichlorobenzene
Concen: 89.38 ug/l
RT: 13.41 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion:146 Resp: 1197491
Ion Ratio Lower Upper
146 100
111 48.6 21.0 63.0
148 63.5 31.9 95.9





#89

1,4-Dichlorobenzene

Concen: 87.65 ug/l

RT: 13.49 min Scan# 3701

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1189311

Ion Ratio Lower Upper

146 100

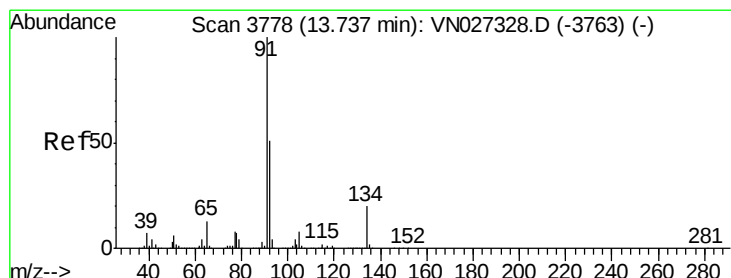
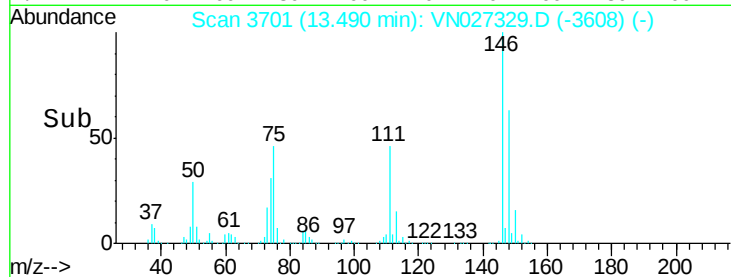
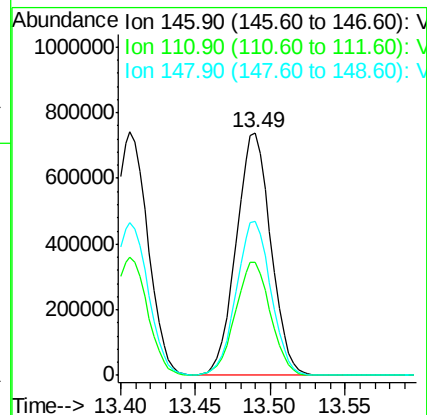
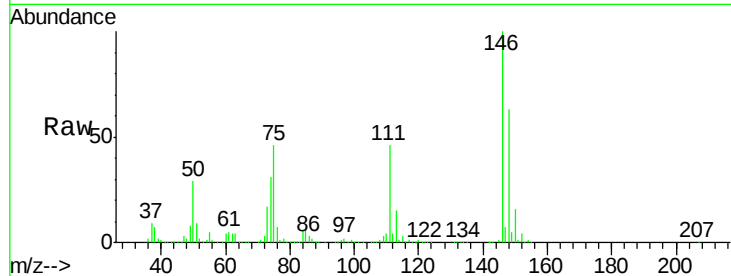
111 47.2 19.9 59.6

148 63.5 31.7 95.1

Manual Integrations
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#90

n-Butylbenzene

Concen: 94.15 ug/l

RT: 13.74 min Scan# 3778

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

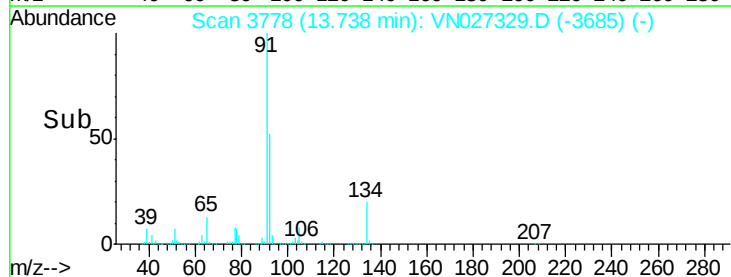
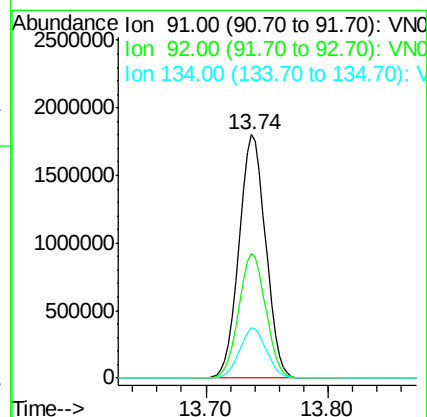
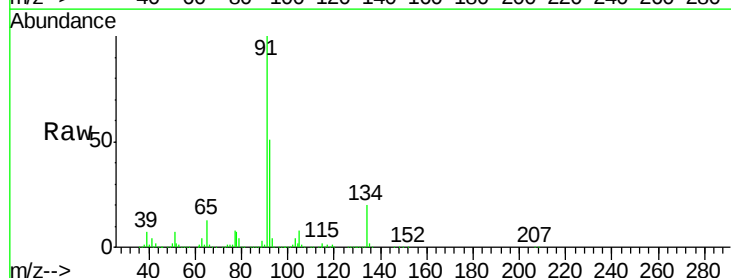
Tgt Ion: 91 Resp: 2728331

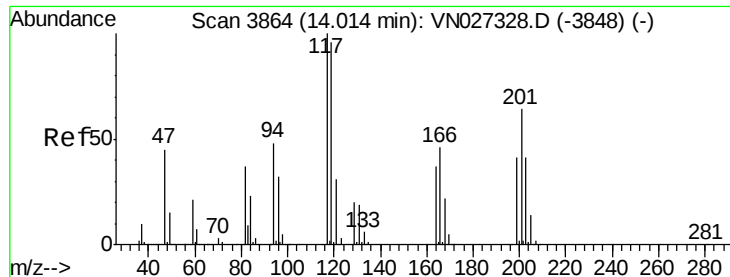
Ion Ratio Lower Upper

91 100

92 51.7 26.1 78.2

134 20.6 11.1 33.1





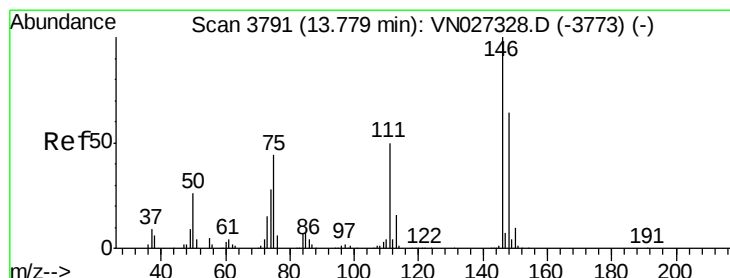
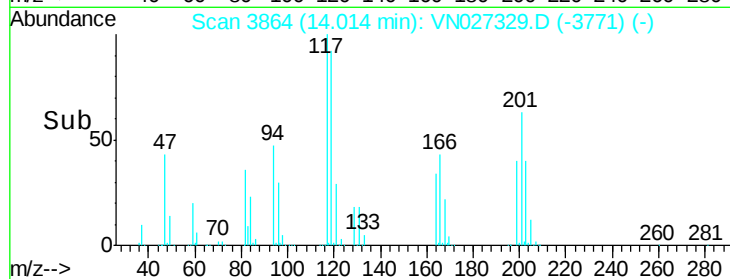
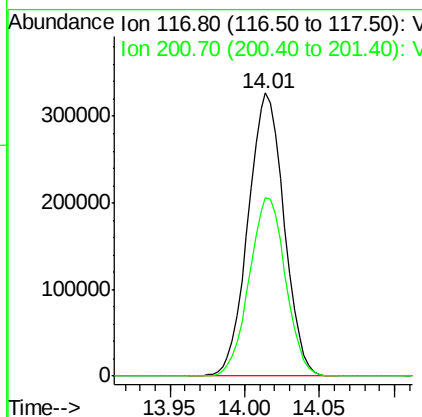
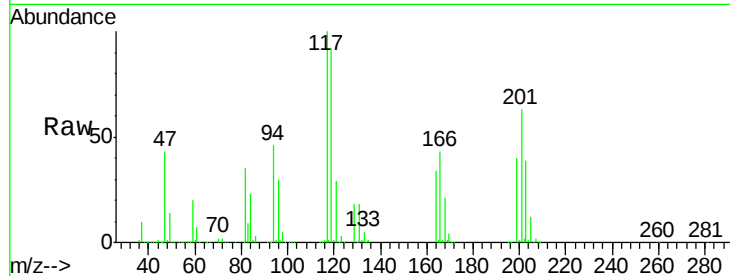
#91
Hexachloroethane
Concen: 83.49 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Instrument :
MSVOA_N
ClientSampled :
VSTDIC100

Tot Ion:117 Resp: 545577
Ion Ratio Lower Upper
117 100
201 63.7 34.9 104.7

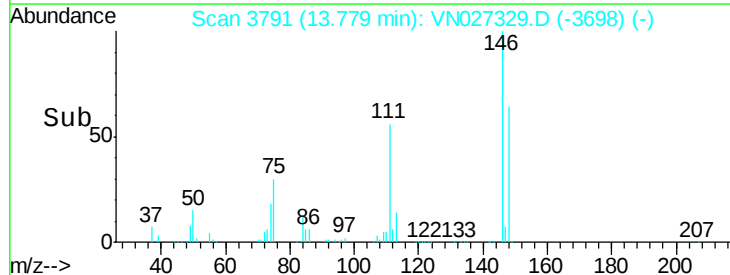
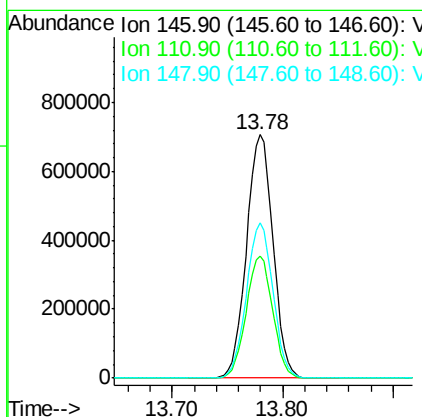
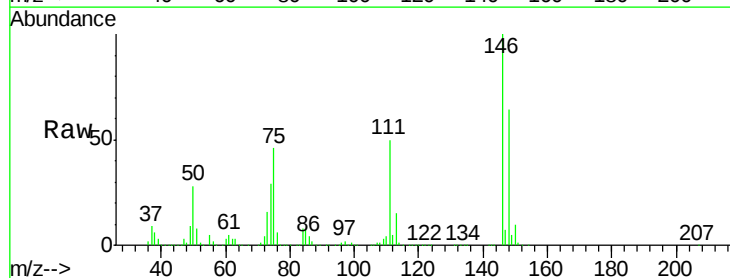
Manual Integrations
APPROVED

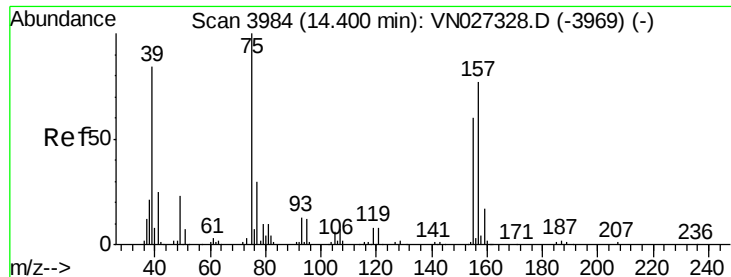
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#92
1,2-Dichlorobenzene
Concen: 88.66 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027329.D
Acq: 21 Sep 2015 12:16

Tgt Ion:146 Resp: 1173825
Ion Ratio Lower Upper
146 100
111 50.1 22.1 66.3
148 63.7 32.0 96.0





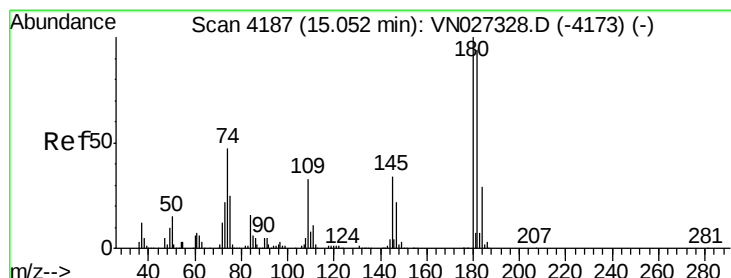
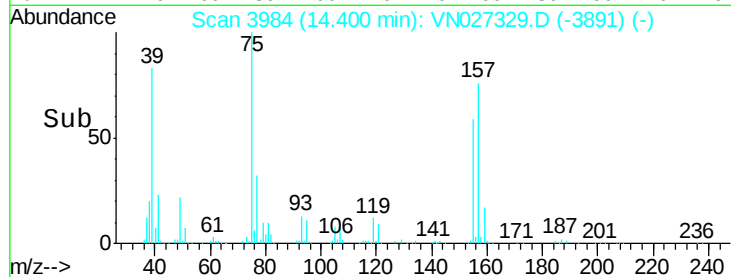
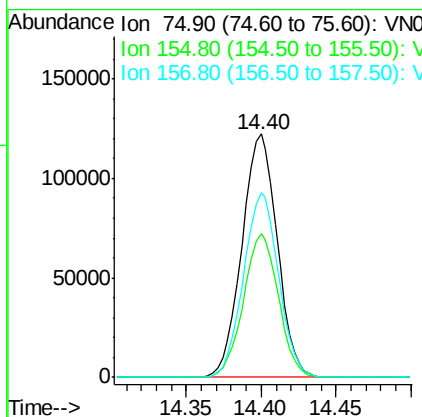
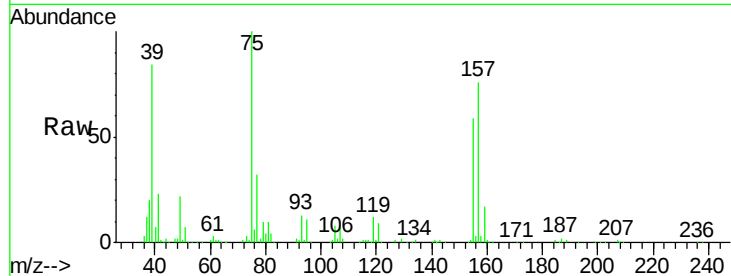
#93
 1,2-Dibromo-3-Chloropropane
 Concen: 77.71 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
155	58.2	35.6	106.9
157	75.1	44.6	133.8

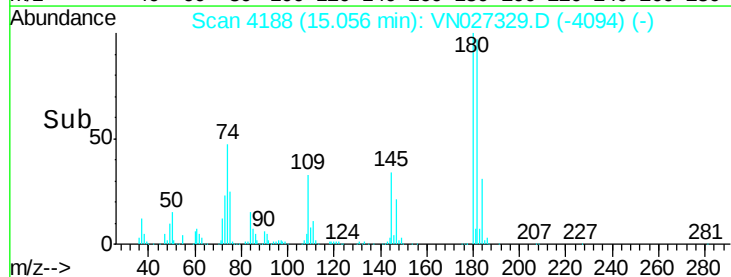
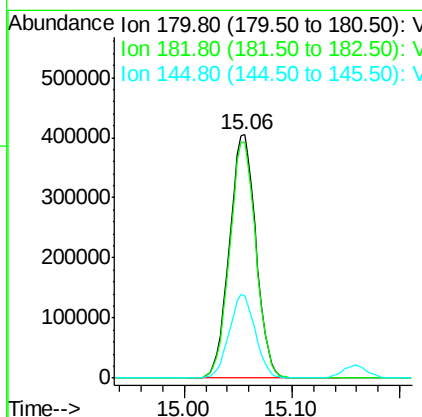
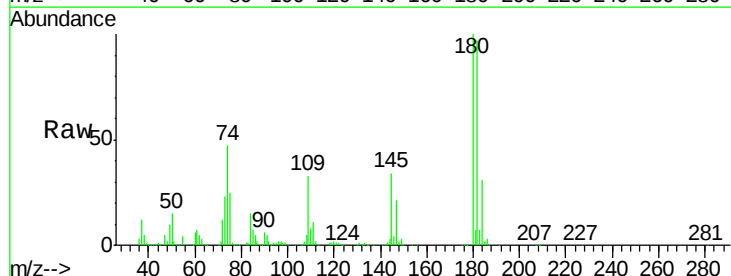
Manual Integrations
 APPROVED

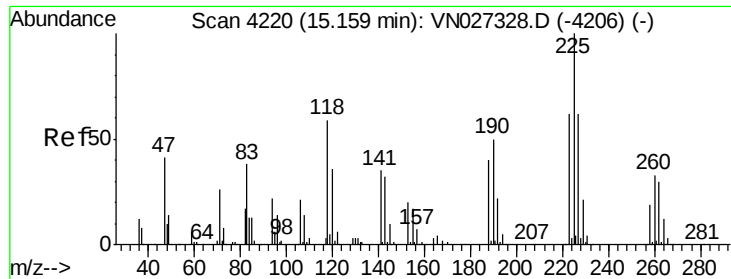
MMDadoda
 9/22/2015 2:27:58 PM



#94
 1,2,4-Trichlorobenzene
 Concen: 97.26 ug/l
 RT: 15.06 min Scan# 4188
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.5	142.5
145	33.8	15.1	45.3





#95

Hexachlorobutadiene

Concen: 86.48 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Instrument :

MSVOA_N

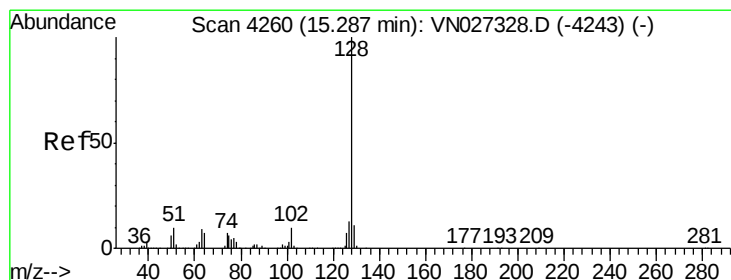
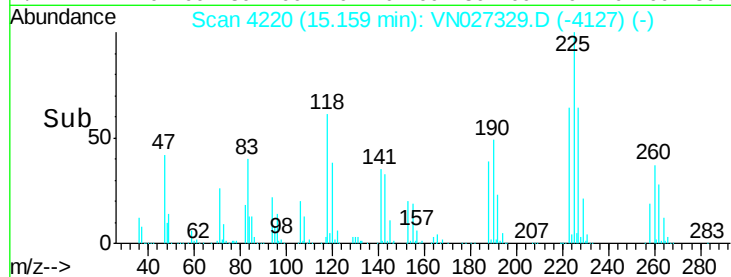
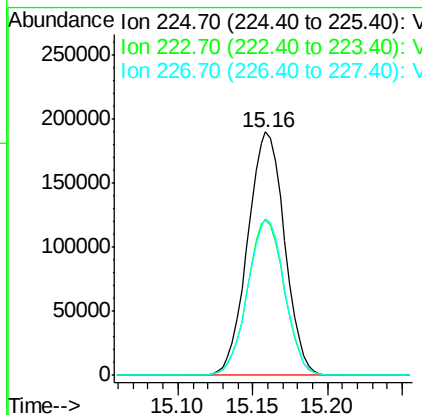
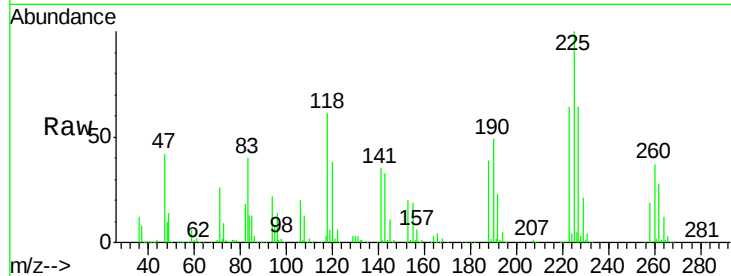
ClientSampleId :

VSTDIC100

Tot Ion:	225	Resp:	325776
Ion Ratio		Lower	Upper
225	100		
223	63.7	30.8	92.3
227	64.3	31.7	95.1

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#96

Naphthalene

Concen: 94.03 ug/l

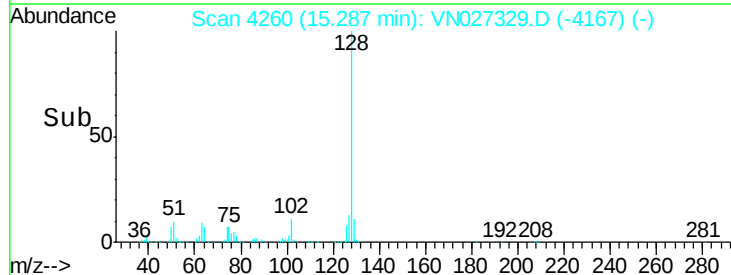
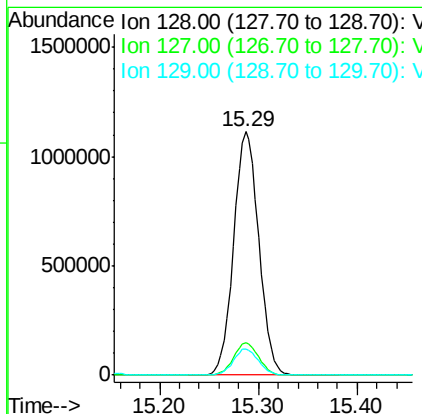
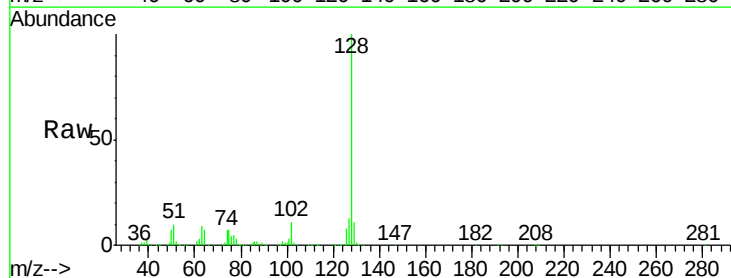
RT: 15.29 min Scan# 4260

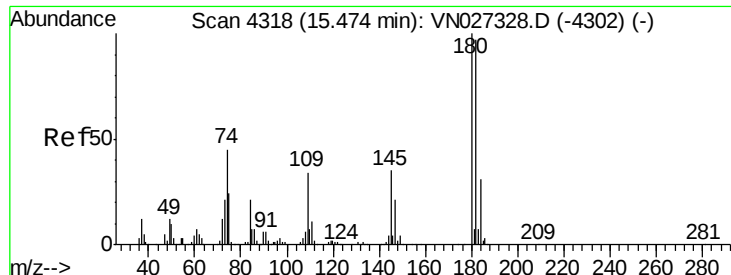
Delta R.T. 0.00 min

Lab File: VN027329.D

Acq: 21 Sep 2015 12:16

Tgt Ion:	128	Resp:	1971629
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 96.45 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027329.D
 Acq: 21 Sep 2015 12:16

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp Lower	Upper
180	100		
182	95.0	48.8	146.4
145	34.9	16.6	49.8

Manual Integrations
 APPROVED

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