

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027170.D
 Acq On : 15 Sep 2015 16:24
 Operator : MD\FY
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:46:38 AM

Quant Time: Sep 15 17:50:04 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 17:32:41 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	593874	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1114707	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	937960	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	352495	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	249610	32.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.16%	
36) Dibromofluoromethane	7.68	113	161914	23.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.38%	
51) Toluene-d8	10.19	98	629840	23.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	46.16%	
63) 4-Bromofluorobenzene	12.52	95	217664	24.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	48.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	132952	28.04	ug/l	100
3) Chlorodifluoromethane	1.82	51	161067	24.66	ug/l	95
4) Chloromethane	2.01	50	155376	21.43	ug/l	100
5) Vinyl Chloride	2.14	62	159388	22.35	ug/l	98
6) Bromomethane	2.54	94	76617	19.39	ug/l	97
7) Chloroethane	2.69	64	105556	26.88	ug/l	94
8) Trichlorofluoromethane	3.02	101	243454	28.47	ug/l	97
9) Diethyl Ether	3.42	74	110898	28.90	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	152981	26.08	ug/l	96
11) Methyl Iodide	3.99	142	153071	22.60	ug/l	93
12) Tert butyl alcohol	4.81	59	114692	206.49	ug/l #	74
13) 1,1-Dichloroethene	3.77	96	146226	25.97	ug/l	94
14) Acrolein	3.62	56	134387	139.20	ug/l	95
15) Allyl chloride	4.37	41	288721	30.14	ug/l #	83
16) Acrylonitrile	5.03	53	372106	139.61	ug/l	97
17) Acetone	3.83	43	343674	149.22	ug/l	93
18) Carbon Disulfide	4.11	76	457538	25.93	ug/l	99
19) Methyl Acetate	4.36	43	470464	30.99	ug/l	98
20) Methyl tert-butyl Ether	5.12	73	576569	30.21	ug/l	94
21) Methylene Chloride	4.60	84	173128	25.24	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	153809	24.34	ug/l	96
23) Diisopropyl ether	6.04	45	617958	29.85	ug/l #	86
24) Vinyl Acetate	5.98	43	1086152m	174.72	ug/l	
25) 1,1-Dichloroethane	5.93	63	354445	30.18	ug/l	98
26) 2-Butanone	6.92	43	488889	154.74	ug/l	96
27) 2,2-Dichloropropane	6.92	77	314310	33.91	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	180988	24.55	ug/l	93
29) Bromochloromethane	7.29	49	152651	27.02	ug/l	97
30) Tetrahydrofuran	7.32	42	309032	148.70	ug/l	90
31) Chloroform	7.46	83	324901	27.43	ug/l	99
32) Cyclohexane	7.77	56	337892	24.55	ug/l #	89
33) 1,1,1-Trichloroethane	7.67	97	287079	28.63	ug/l	97
37) 1,1-Dichloropropene	7.89	75	243770	23.30	ug/l	99
38) Ethyl Acetate	7.02	43	219067	29.50	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	235531	23.82	ug/l	98
40) Methylcyclohexane	9.19	83	299411	23.65	ug/l	98
41) Benzene	8.14	78	723372	22.40	ug/l	100
42) Methacrylonitrile	7.24	41	122040	25.40	ug/l #	92
43) 1,2-Dichloroethane	8.22	62	287322	25.88	ug/l	95
44) Isopropyl Acetate	8.25	43	409662	30.47	ug/l	98
45) Trichloroethene	8.94	130	147418	18.73	ug/l	98
46) 1,2-Dichloropropane	9.22	63	207400	24.70	ug/l	99
47) Dibromomethane	9.31	93	119224	23.82	ug/l	93
48) Bromodichloromethane	9.49	83	257451	24.74	ug/l	98
49) Methyl methacrylate	9.29	41	197908	28.96	ug/l #	89
50) 1,4-Dioxane	9.30	88	46784	475.72	ug/l	95
52) 4-Methyl-2-Pentanone	10.07	43	1066395	139.84	ug/l	100
53) Toluene	10.26	92	425042	21.69	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	286923	27.61	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	315977	26.17	ug/l	91
56) 1,1,2-Trichloroethane	10.66	97	159929	21.39	ug/l	98
57) Ethyl methacrylate	10.52	69	271431	26.85	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	294892	23.81	ug/l	97
59) 2-Chloroethyl Vinyl ether	9.78	63	636283	161.75	ug/l	98
60) 2-Hexanone	10.84	43	747166	147.12	ug/l	100
61) Dibromochloromethane	11.00	129	166909	21.66	ug/l	97
62) 1,2-Dibromoethane	11.11	107	156404	21.86	ug/l	100
65) Tetrachloroethene	10.74	164	115563	17.26	ug/l	96
66) Chlorobenzene	11.54	112	419449	20.53	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	146113	20.71	ug/l	98
68) Ethyl Benzene	11.62	91	799724	23.27	ug/l	100
69) m/p-Xylenes	11.73	106	552517	43.24	ug/l	91
70) o-Xylene	12.06	106	282760	22.48	ug/l	94
71) Styrene	12.07	104	451081	22.31	ug/l	94
72) Bromoform	12.24	173	103342	21.15	ug/l #	98
74) Isopropylbenzene	12.36	105	745172	24.50	ug/l	99
75) N-amyl acetate	12.17	43	341601	36.70	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	224710	27.22	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	209073m	29.97	ug/l	
78) Bromobenzene	12.64	156	144877	19.77	ug/l	91
79) n-propylbenzene	12.71	91	873303	26.09	ug/l	98
80) 2-Chlorotoluene	12.79	91	529030	25.53	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	596169	25.80	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	84448	34.45	ug/l	91
83) 4-Chlorotoluene	12.89	91	512431	25.56	ug/l	98
84) tert-Butylbenzene	13.11	119	496951	24.02	ug/l	91
85) 1,2,4-Trimethylbenzene	13.16	105	594195	25.50	ug/l	96
86) sec-Butylbenzene	13.29	105	721464	25.26	ug/l	100
87) p-Isopropyltoluene	13.41	119	550805	23.68	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	251453	19.84	ug/l	97
89) 1,4-Dichlorobenzene	13.49	146	243958	19.13	ug/l	94
90) n-Butylbenzene	13.74	91	535306	26.54	ug/l	99
91) Hexachloroethane	14.01	117	121704	26.27	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	253694	20.28	ug/l	96

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VSTDICC020

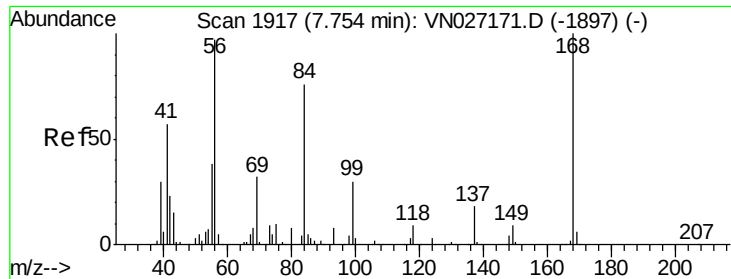
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	45163	36.74	ug/l	88
94) 1,2,4-Trichlorobenzene	15.05	180	133062	21.07	ug/l	99
95) Hexachlorobutadiene	15.16	225	72861	20.82	ug/l	100
96) Naphthalene	15.29	128	394315	26.09	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	131781	21.02	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: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:168 Resp: 593874

Ion Ratio Lower Upper

168 100

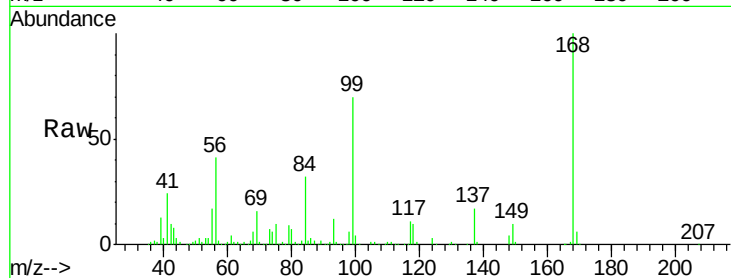
99 69.2 50.4 75.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.75

250000

200000

150000

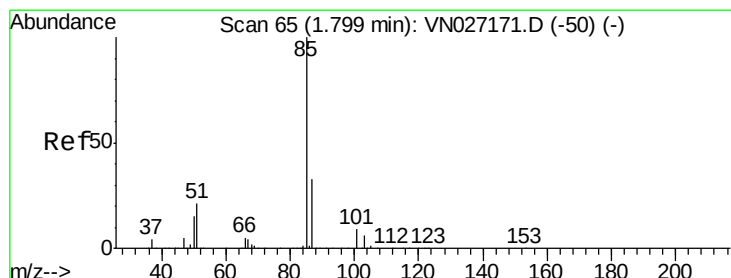
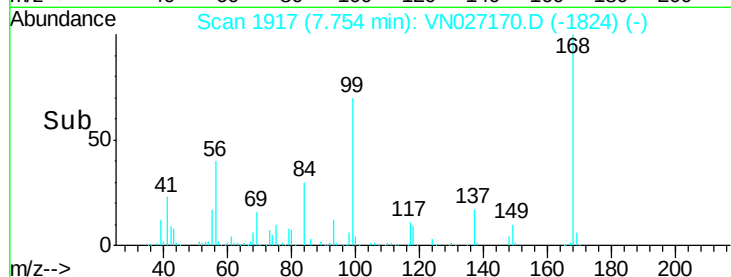
100000

50000

0

7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 28.04 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027170.D

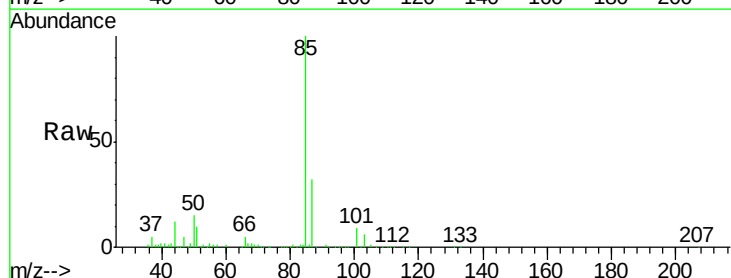
Acq: 15 Sep 2015 16:24

Tgt Ion: 85 Resp: 132952

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

1.80

100000

80000

60000

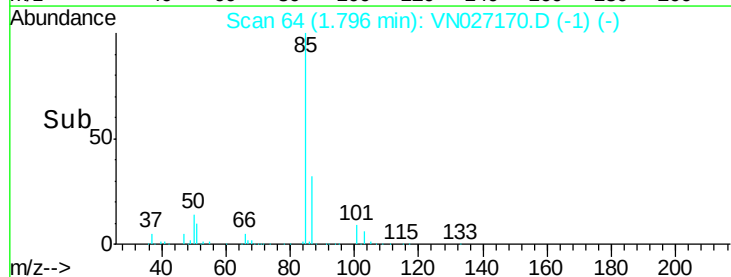
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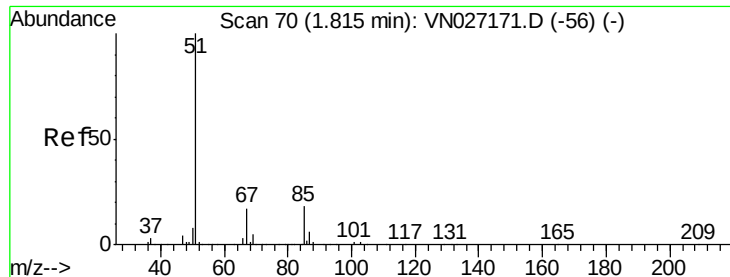
20000

0

1.70 1.75 1.80 1.85 1.90

Time-->





#3

Chlorodifluoromethane

Concen: 24.66 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tot Ion: 51 Resp: 161067

Ion Ratio Lower Upper

51 100

67 17.5 12.2 18.2

Instrument :

MSVOA_N

ClientSampleId :

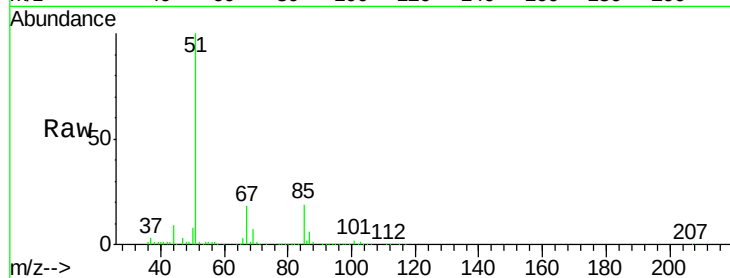
VSTDIC020

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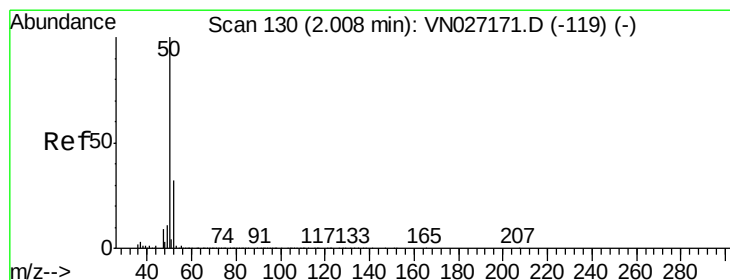
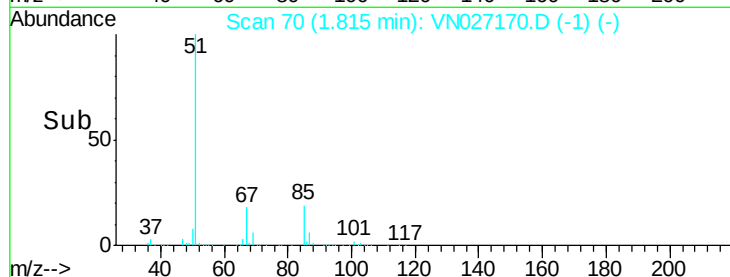
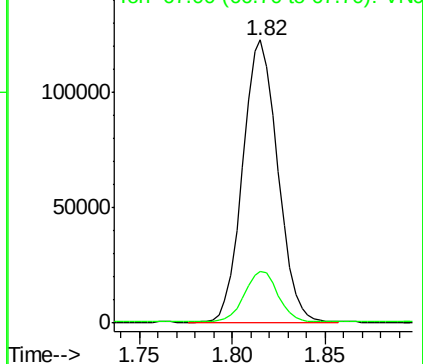
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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 21.43 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027170.D

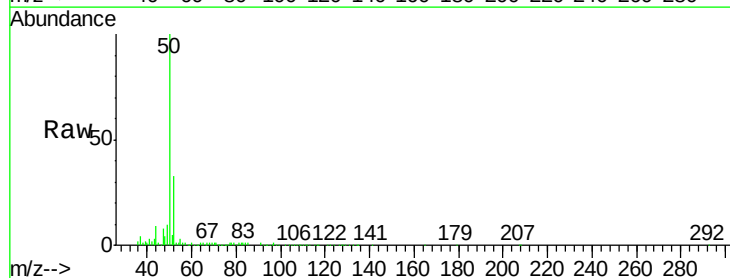
Acq: 15 Sep 2015 16:24

Tgt Ion: 50 Resp: 155376

Ion Ratio Lower Upper

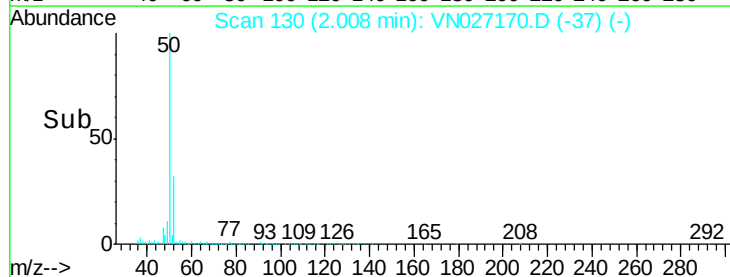
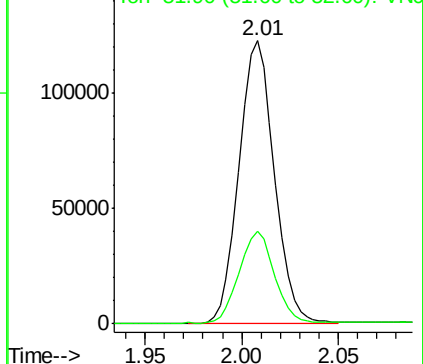
50 100

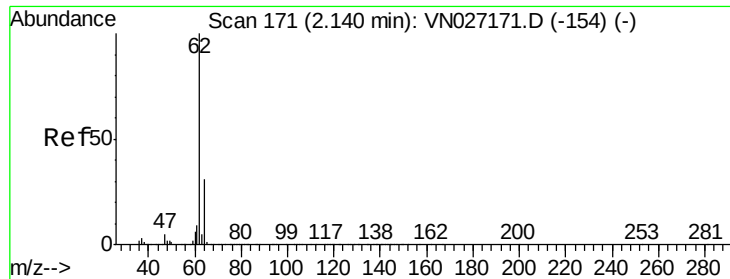
52 32.2 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 22.35 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 62 Resp: 159388

Ion Ratio Lower Upper

62 100

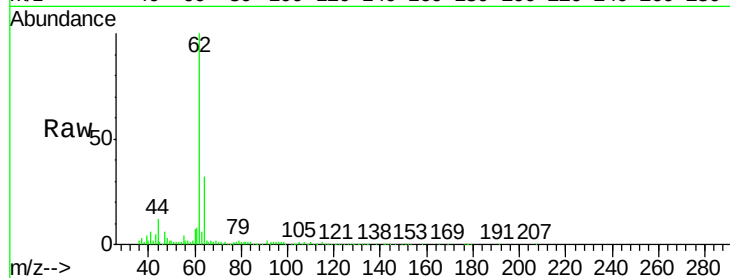
64 31.5 25.9 38.9

Manual Integrations

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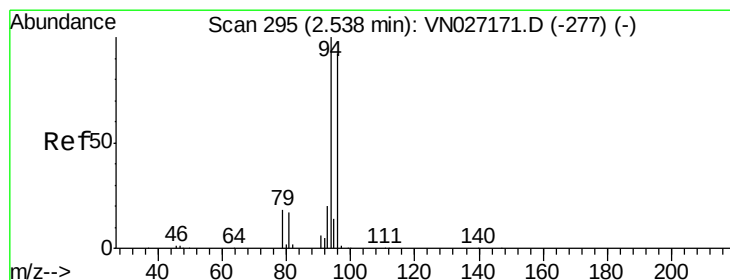
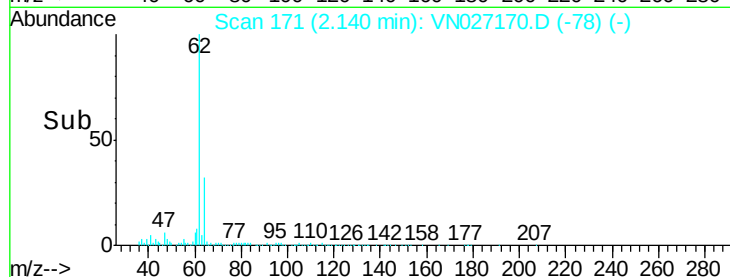
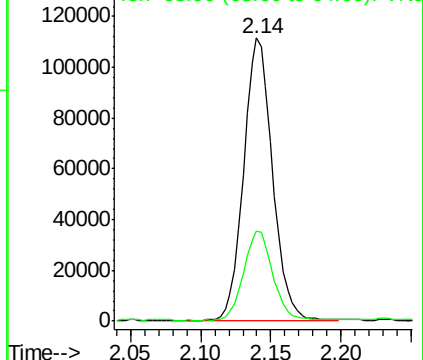
MMDadoda

9/16/2015 11:46:38 AM



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#6

Bromomethane

Concen: 19.39 ug/l

RT: 2.54 min Scan# 297

Delta R.T. 0.01 min

Lab File: VN027170.D

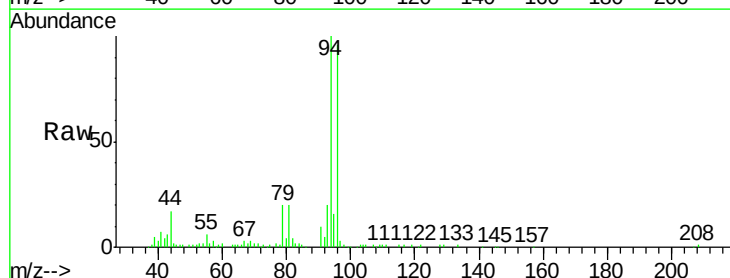
Acq: 15 Sep 2015 16:24

Tgt Ion: 94 Resp: 76617

Ion Ratio Lower Upper

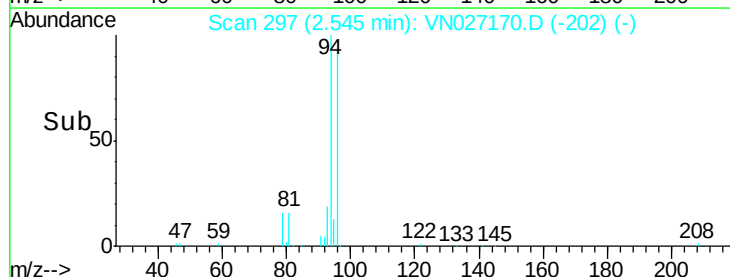
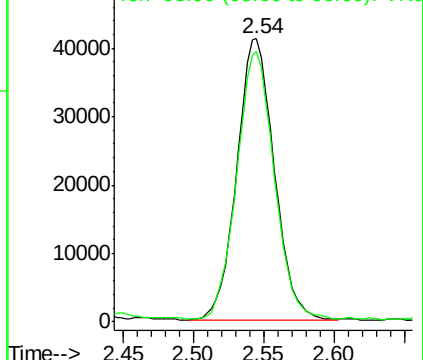
94 100

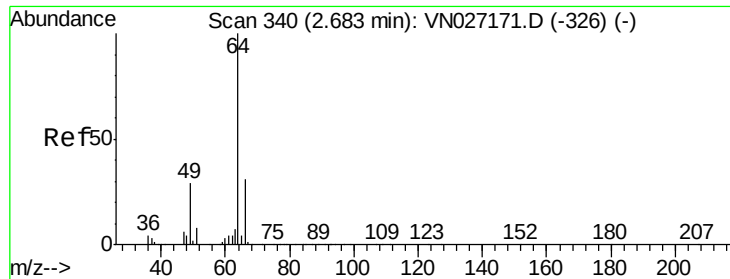
96 95.1 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#7

Chloroethane

Concen: 26.88 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

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Acq: 15 Sep 2015 16:24

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VSTDIC020

Tot Ion: 64 Resp: 105556

Ion Ratio Lower Upper

64 100

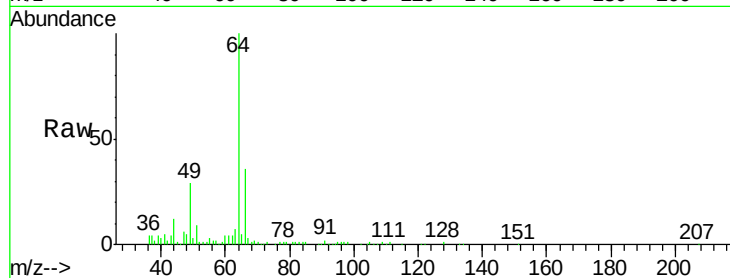
66 35.1 25.5 38.3

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9/16/2015 11:46:38 AM



Abundance Ion 63.90 (63.60 to 64.60): VN027170.D (-326) (-)

Ion 65.90 (65.60 to 66.60): VN027170.D (-326) (-)

2.69

60000

50000

40000

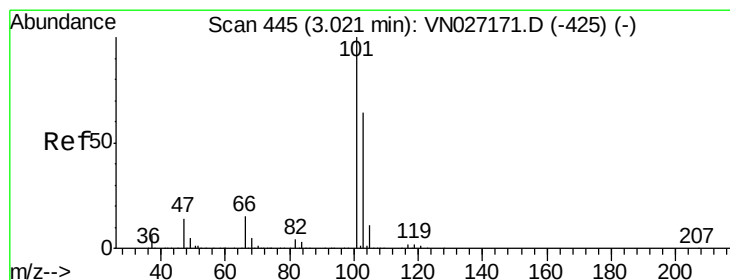
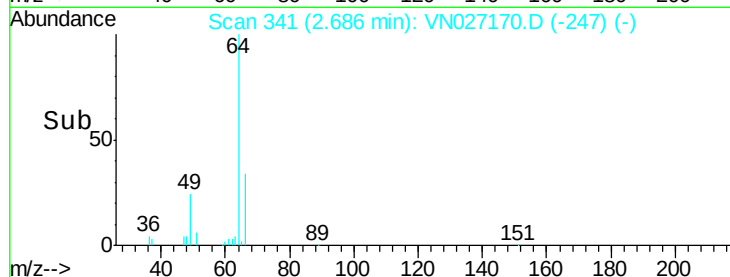
30000

20000

10000

0

Time-->



#8

Trichlorofluoromethane

Concen: 28.47 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027170.D

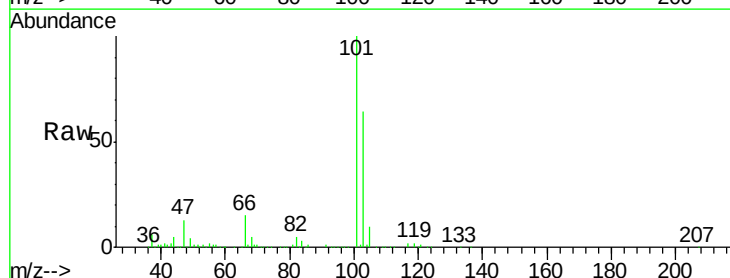
Acq: 15 Sep 2015 16:24

Tgt Ion: 101 Resp: 243454

Ion Ratio Lower Upper

101 100

103 63.6 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): VN027170.D (-352) (-)

Ion 102.80 (102.50 to 103.50): VN027170.D (-352) (-)

3.02

120000

100000

80000

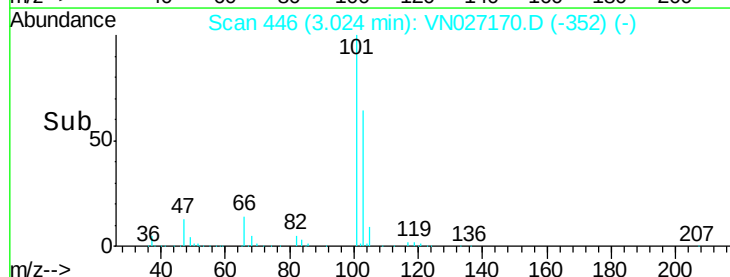
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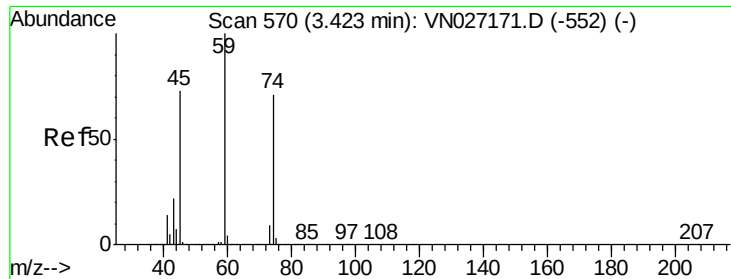
40000

20000

0

Time-->





#9

Diethyl Ether

Concen: 28.90 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 74 Resp: 110898

Ion Ratio Lower Upper

74 100

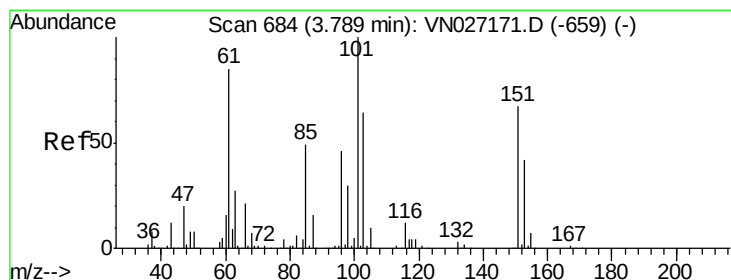
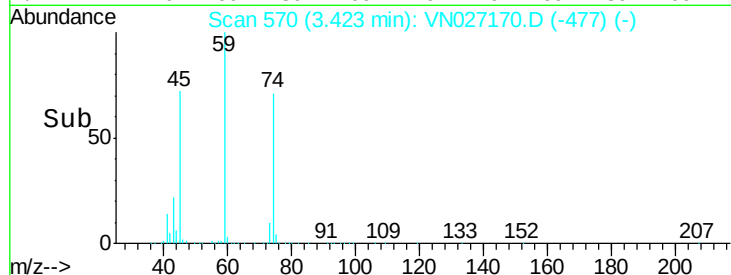
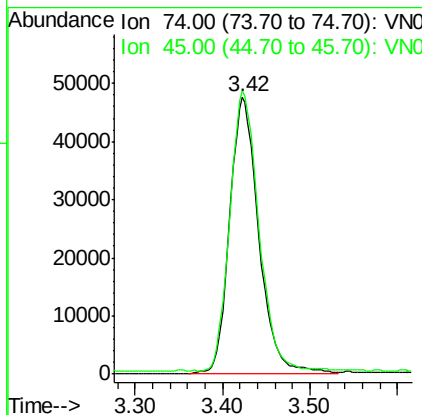
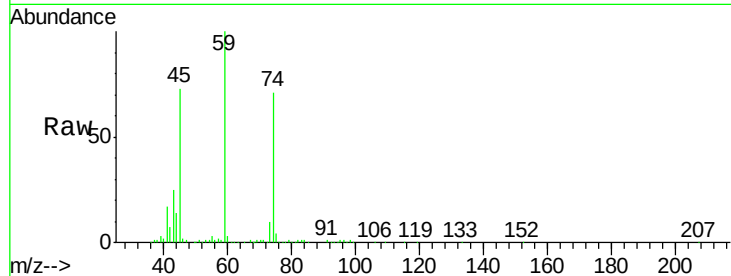
45 99.8 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 26.08 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

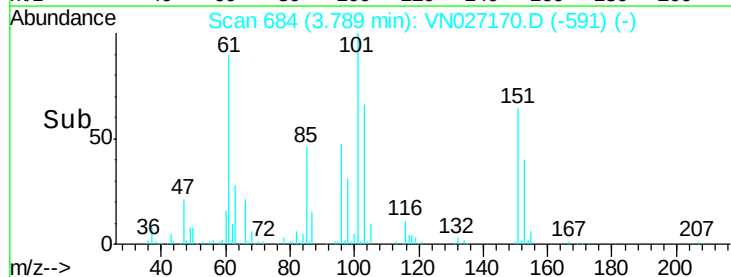
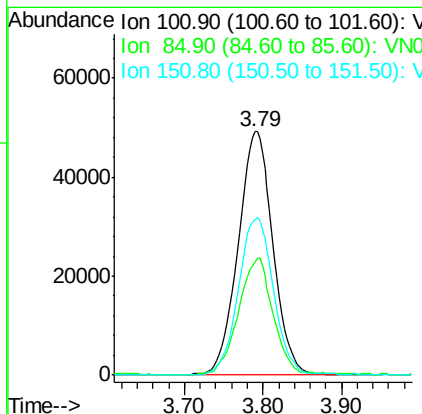
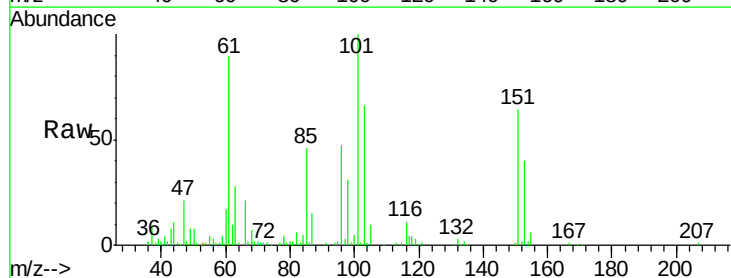
Tgt Ion: 101 Resp: 152981

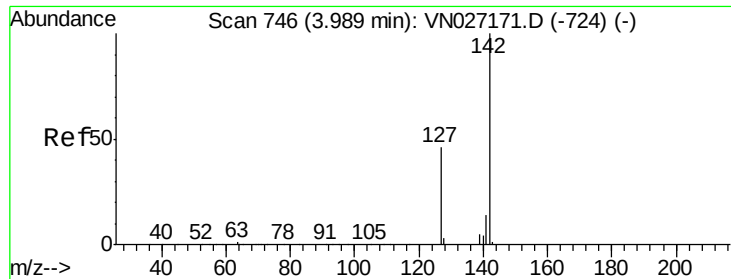
Ion Ratio Lower Upper

101 100

85 48.1 37.4 56.0

151 65.3 55.9 83.9





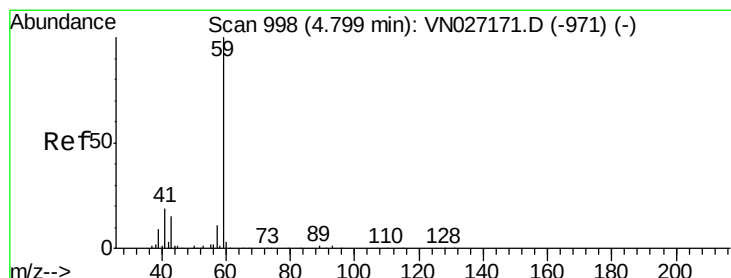
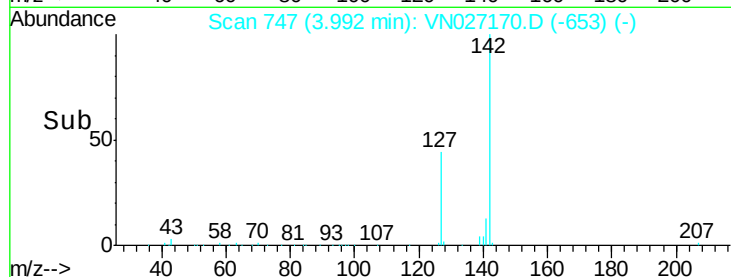
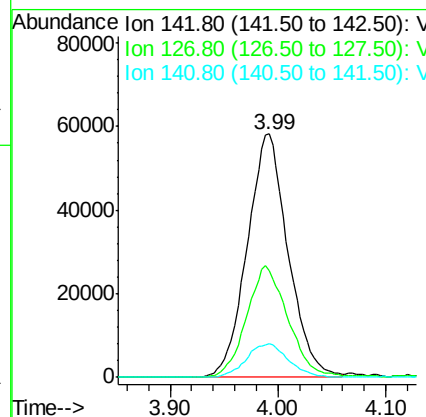
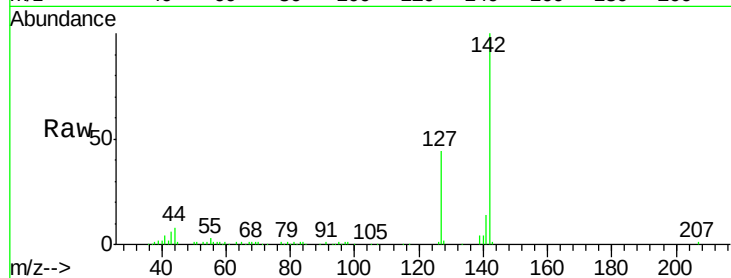
#11
Methvl Iodide
Concen: 22.60 ug/l
RT: 3.99 min Scan# 747
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.5	32.3	48.5
141	14.2	11.2	16.8

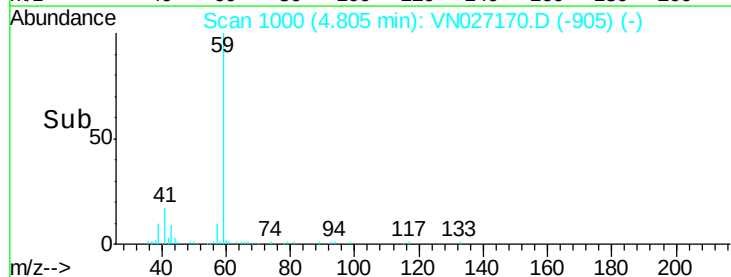
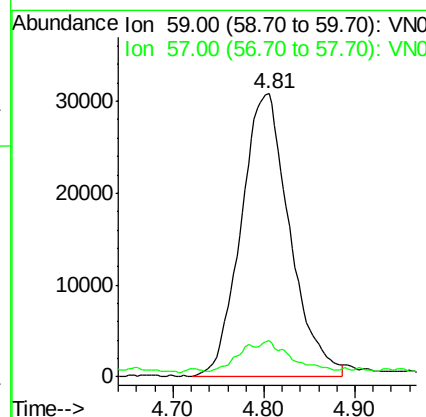
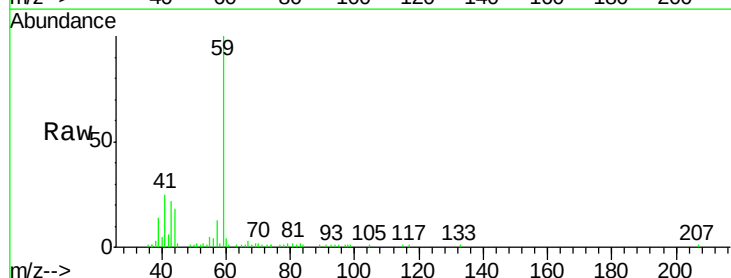
Manual Integrations
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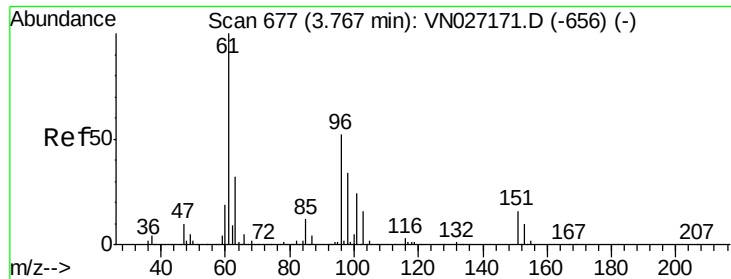
MMDadoda
9/16/2015 11:46:38 AM



#12
Tert butyl alcohol
Concen: 206.49 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

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





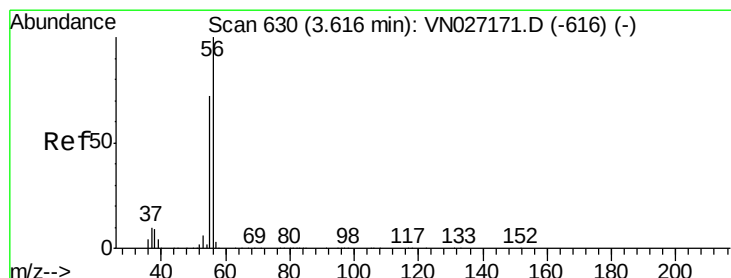
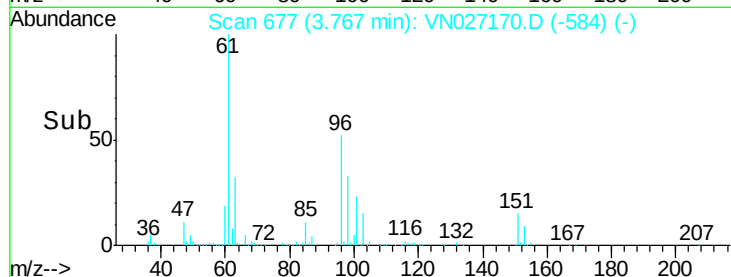
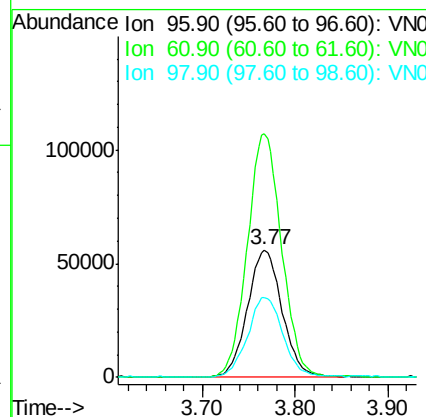
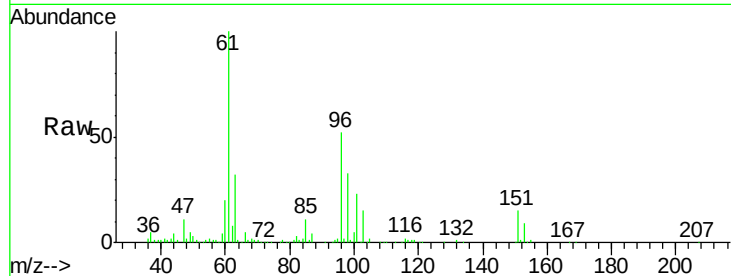
#13
 1,1-Dichloroethene
 Concen: 25.97 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146226		
61	191.3		143.8	215.8
98	62.6		50.3	75.5

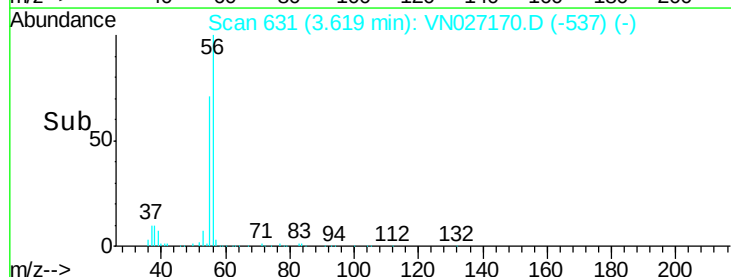
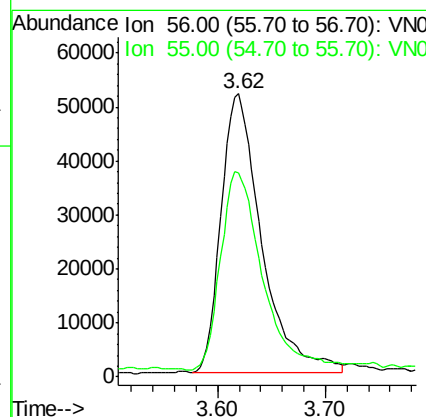
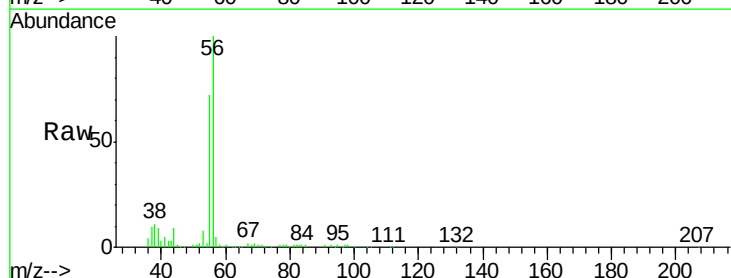
Manual Integrations
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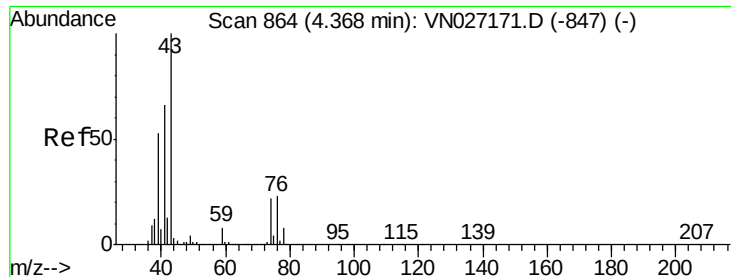
MMDadoda
 9/16/2015 11:46:38 AM



#14
 Acrolein
 Concen: 139.20 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	134387		
55	73.5		55.7	83.5





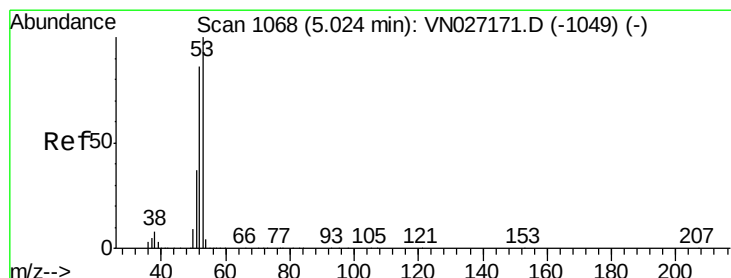
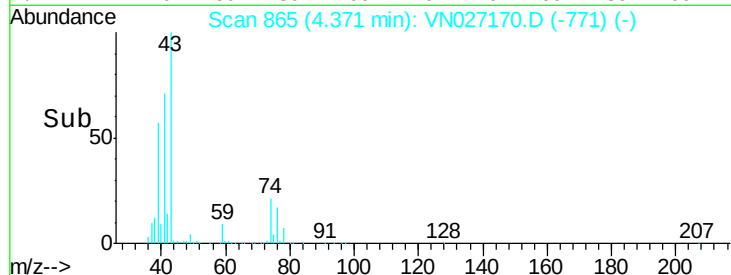
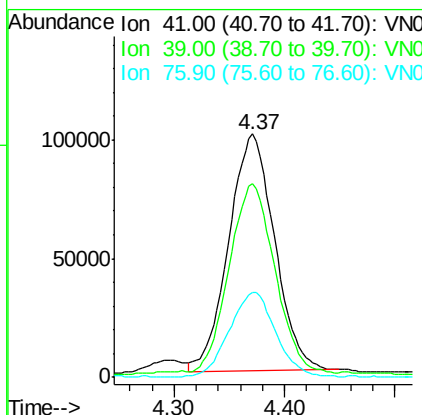
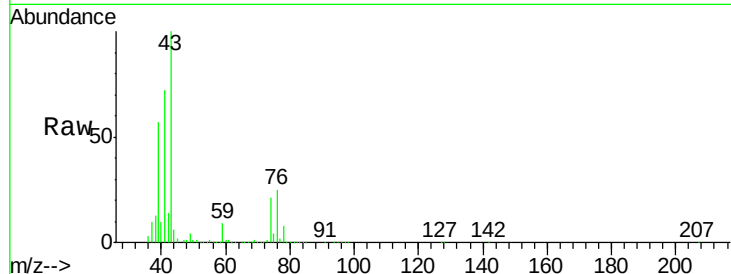
#15
Allvl chloride
Concen: 30.14 ug/l
RT: 4.37 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	288721		
39	78.7	49.7	74.5#	
76	35.3	24.8	37.2	

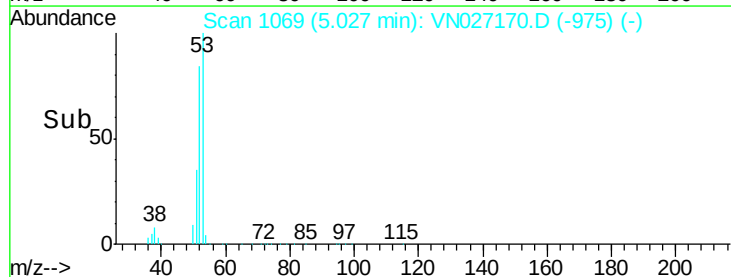
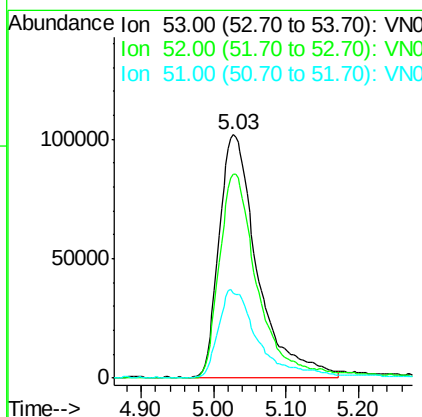
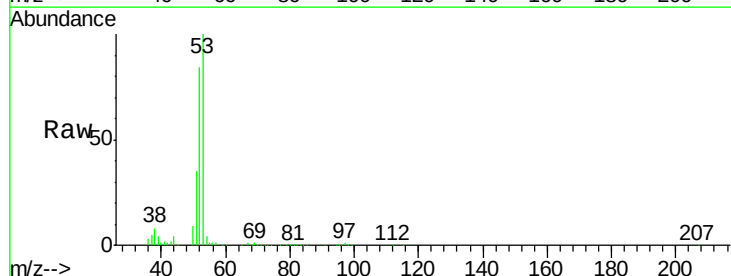
Manual Integrations
APPROVED

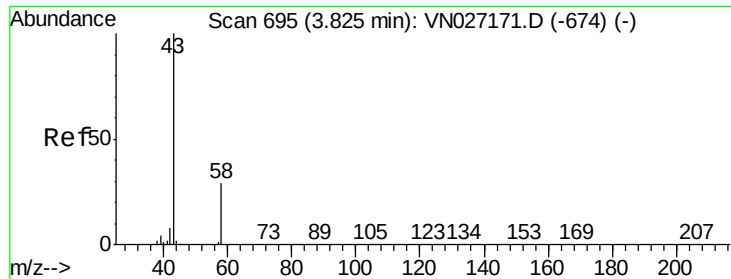
MMDadoda
9/16/2015 11:46:38 AM



#16
Acrylonitrile
Concen: 139.61 ug/l
RT: 5.03 min Scan# 1069
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	372106		
52	81.5	66.9	100.3	
51	36.1	27.4	41.0	





#17

Acetone

Concen: 149.22 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 43 Resp: 343674

Ion Ratio Lower Upper

43 100

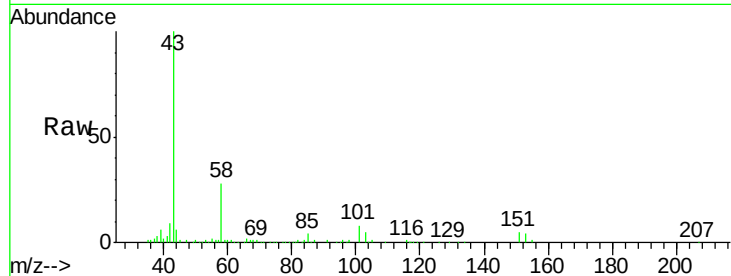
58 28.1 25.4 38.0

Manual Integrations

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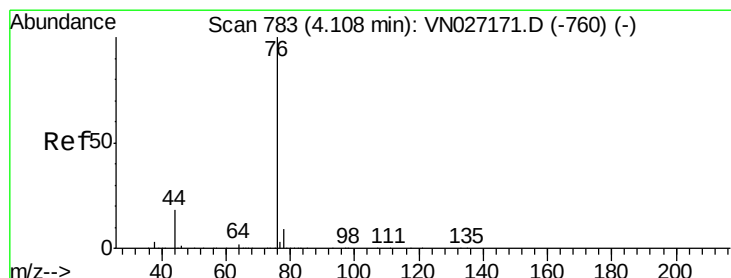
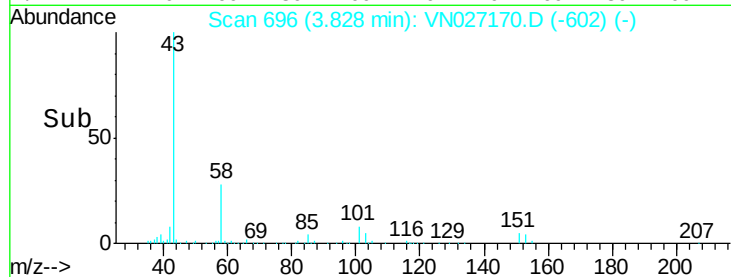
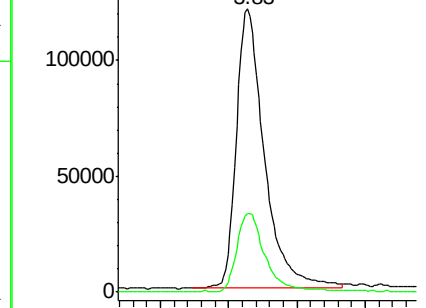
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 25.93 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027170.D

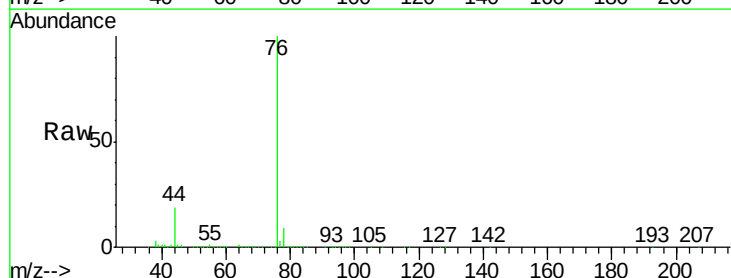
Acq: 15 Sep 2015 16:24

Tgt Ion: 76 Resp: 457538

Ion Ratio Lower Upper

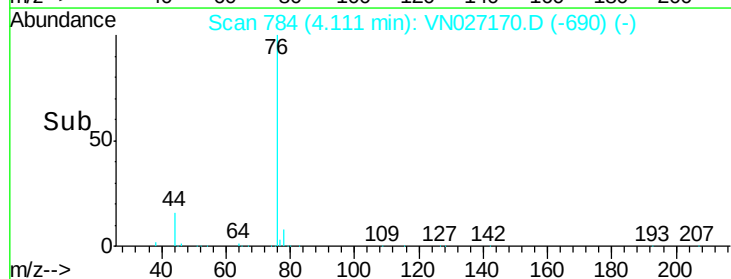
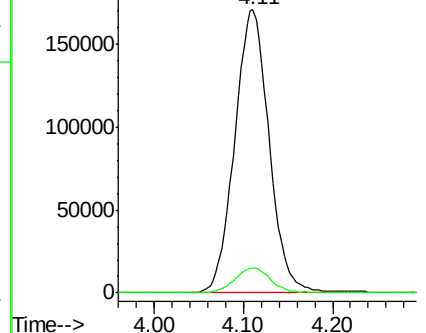
76 100

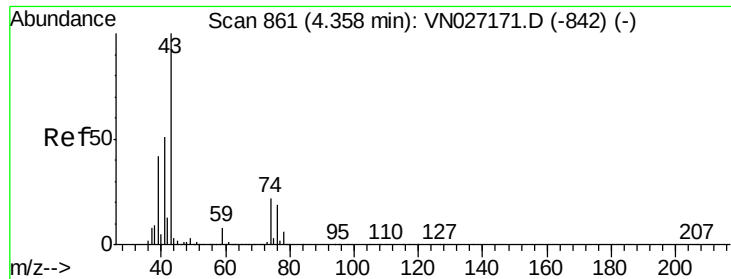
78 8.6 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





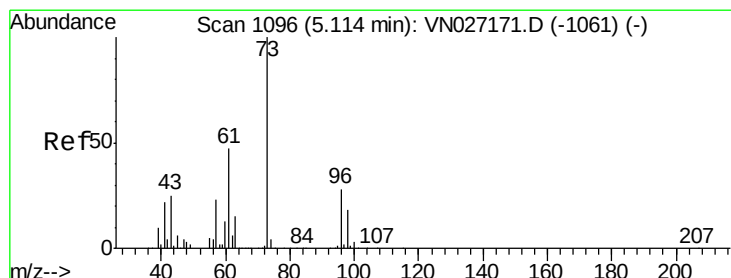
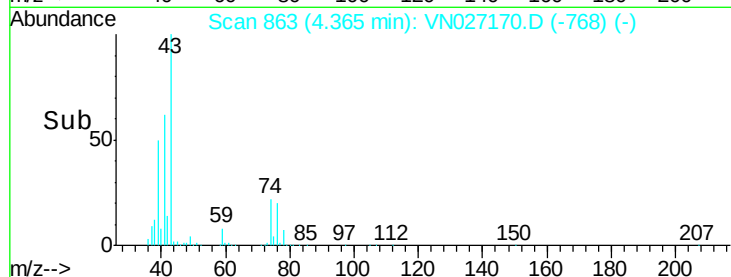
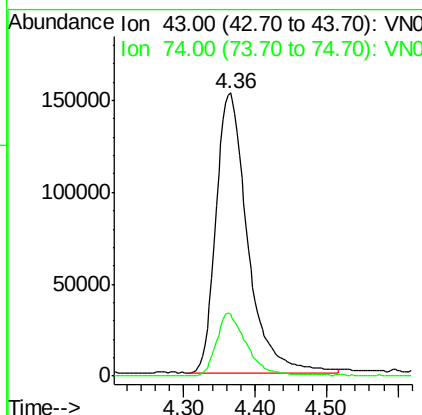
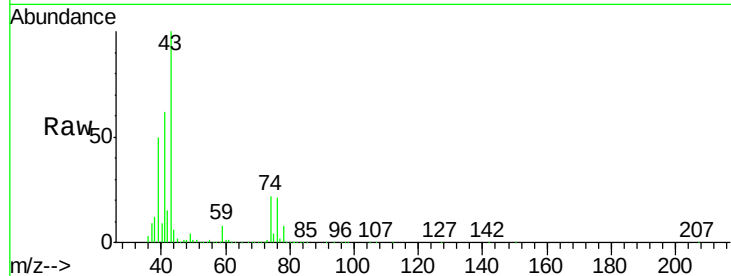
#19
Methvl Acetate
Concen: 30.99 ug/l
RT: 4.36 min Scan# 863
Delta R.T. 0.01 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	43.00	Resp	470464
Ion Ratio	100	Lower	Upper
43	100		
74	21.1	16.2	24.2

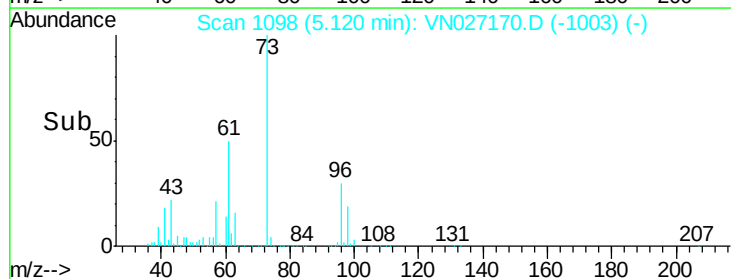
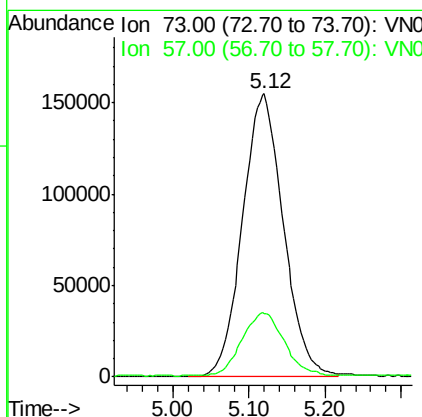
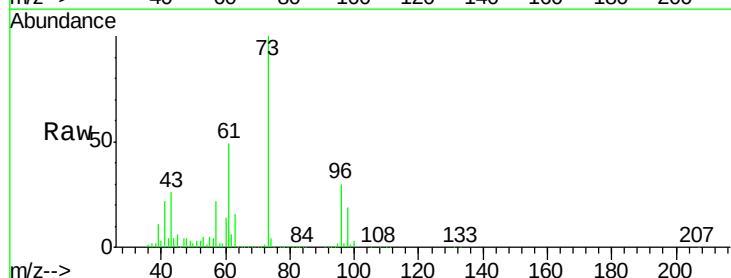
Manual Integrations
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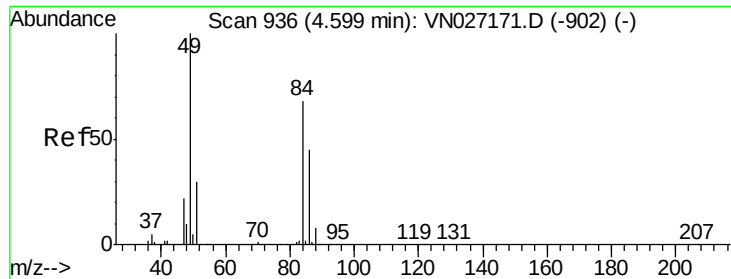
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#20
Methyl tert-butyl Ether
Concen: 30.21 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. 0.01 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	73.00	Resp	576569
Ion Ratio	100	Lower	Upper
73	100		
57	21.9	19.8	29.6





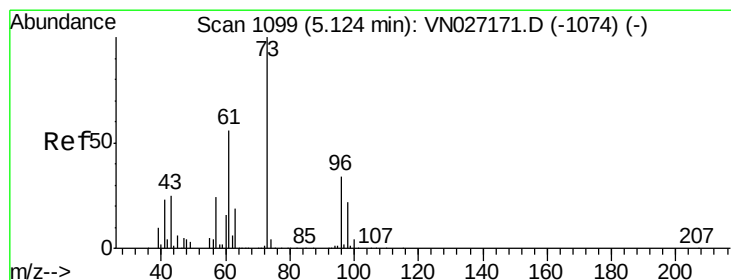
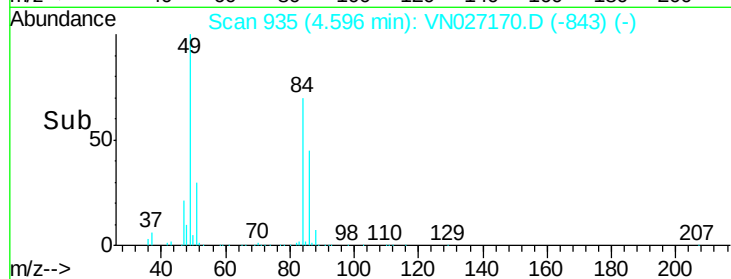
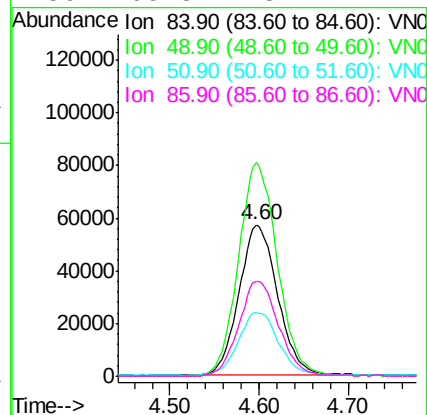
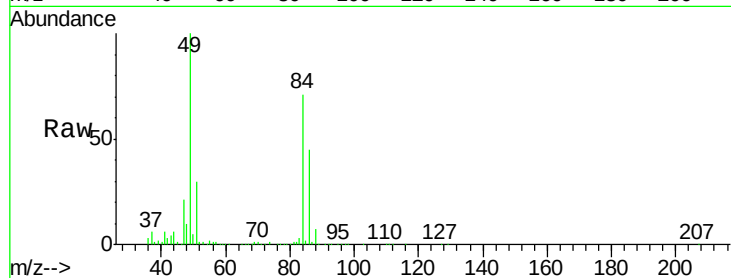
#21
Methvlene Chloride
Concen: 25.24 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	84	Resp	173128
Ion	Ratio	Lower	Upper
84	100		
49	142.0	112.3	168.5
51	41.9	33.8	50.8
86	63.3	48.2	72.4

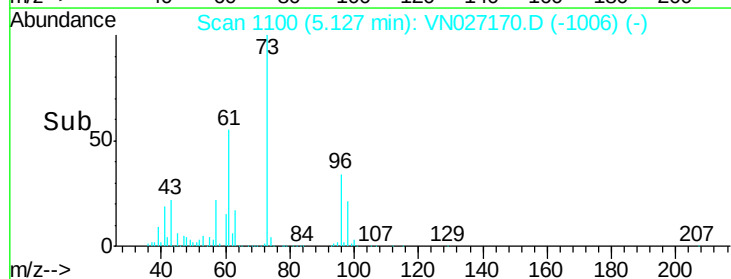
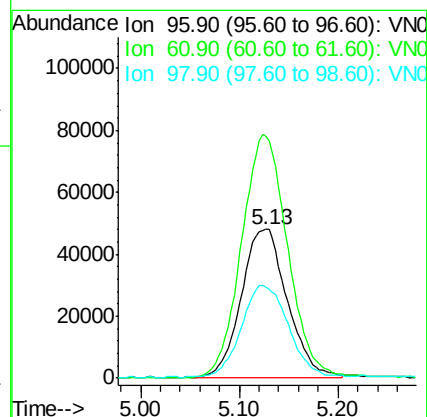
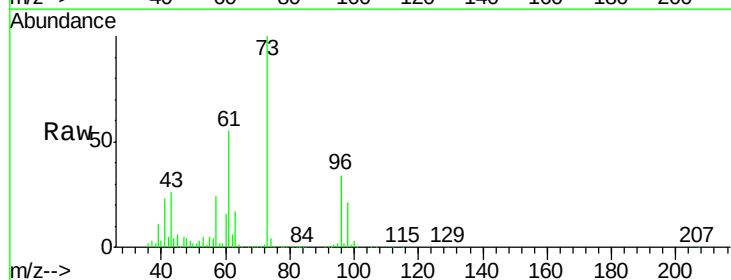
Manual Integrations
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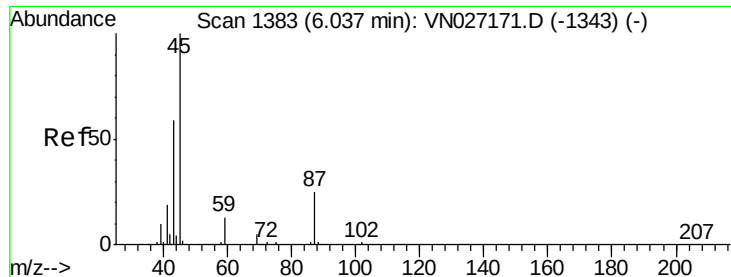
MMDadoda
9/16/2015 11:46:38 AM



#22
trans-1,2-Dichloroethene
Concen: 24.34 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	96	Resp	153809
Ion	Ratio	Lower	Upper
96	100		
61	163.5	126.6	189.8
98	61.0	47.4	71.2





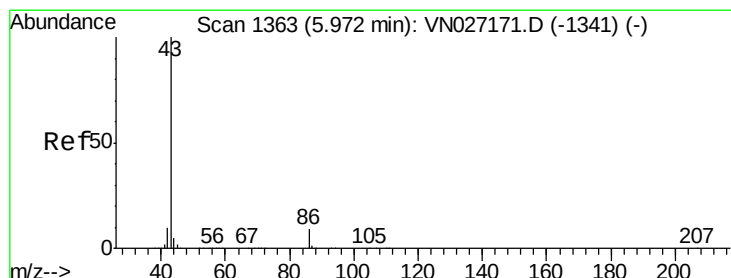
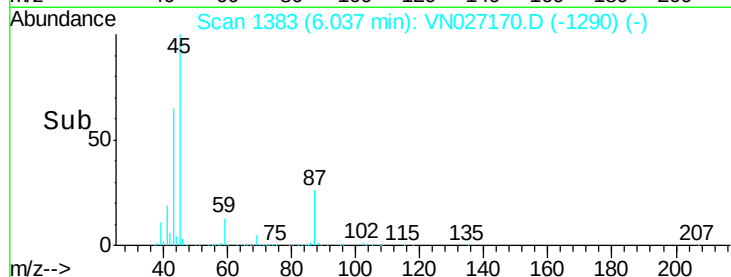
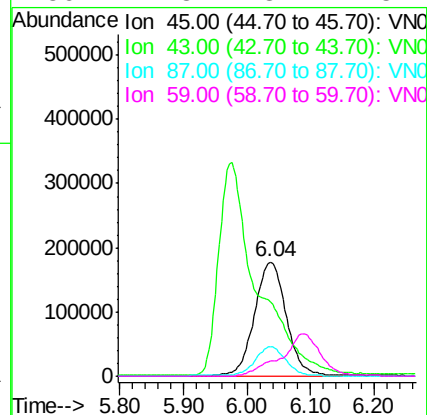
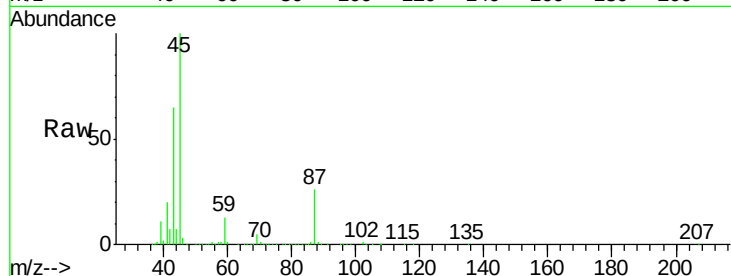
#23
Diisopropyl ether
Concen: 29.85 ug/l
RT: 6.04 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	64.5	41.0	61.6#	
87	25.6	17.5	26.3	
59	12.8	8.7	13.1	

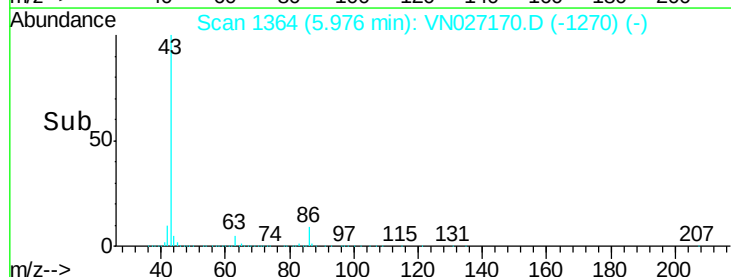
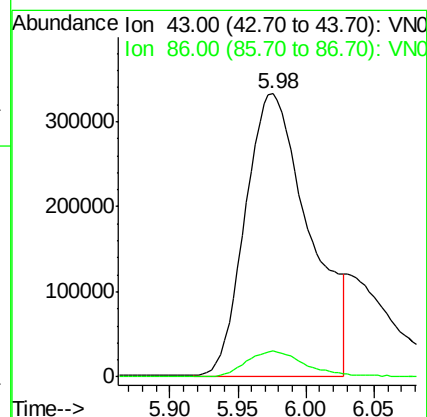
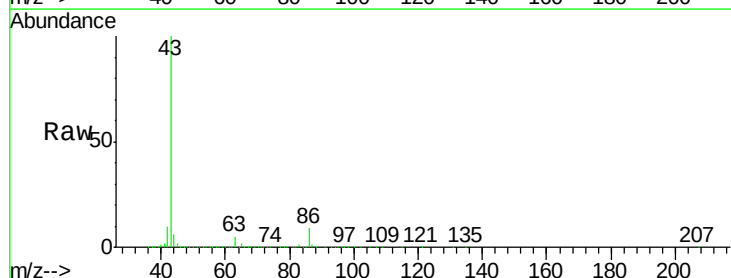
Manual Integrations
APPROVED

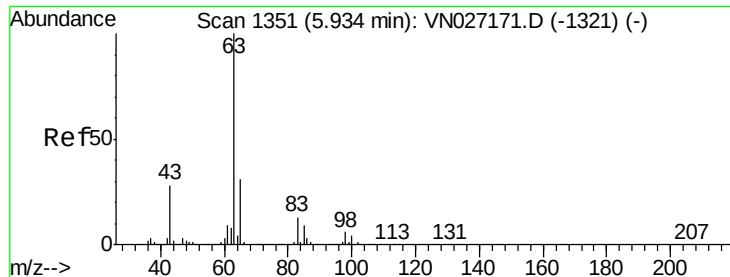
MMDadoda
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#24
Vinyl Acetate
Concen: 174.72 ug/l m
RT: 5.98 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.0	6.9	10.3	





#25

1,1-Dichloroethane

Concen: 30.18 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

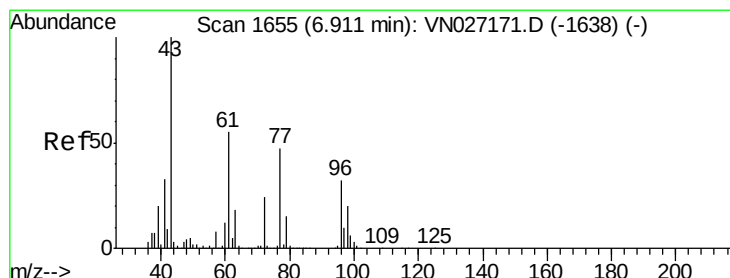
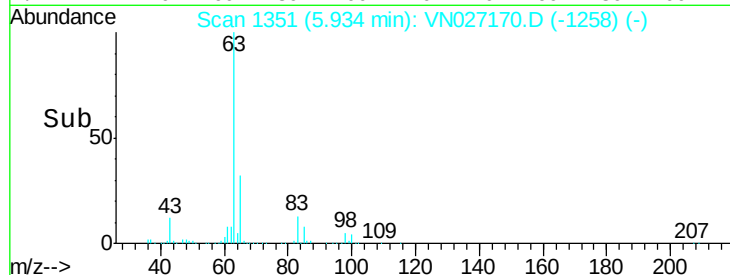
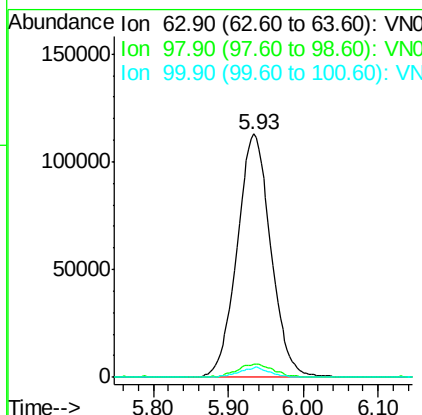
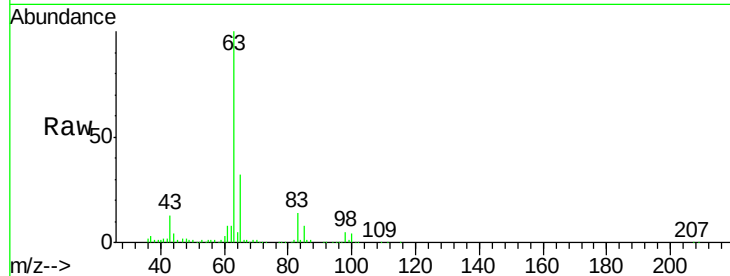
ClientSampleId :

VSTDIC020

Tot Ion:	63	Resp:	354445
Ion	Ratio	Lower	Upper
63	100		
98	5.0	2.8	8.3
100	3.9	1.7	5.0

Manual Integrations
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9/16/2015 11:46:38 AM



#26

2-Butanone

Concen: 154.74 ug/l

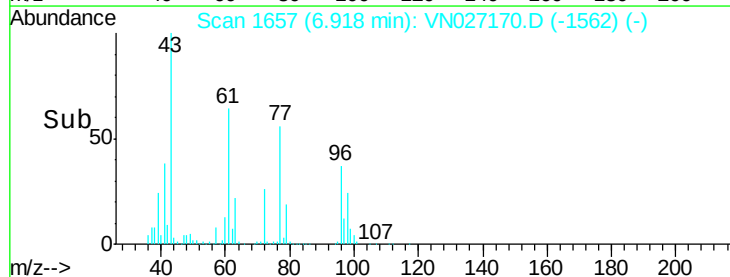
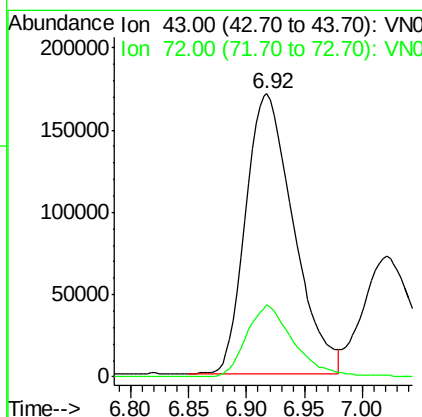
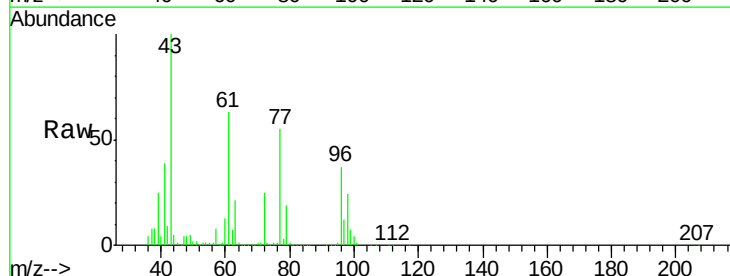
RT: 6.92 min Scan# 1657

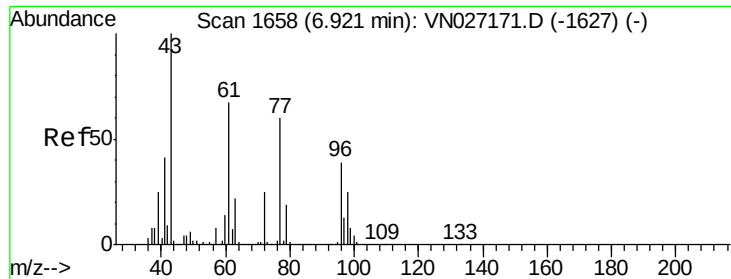
Delta R.T. 0.01 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion:	43	Resp:	488889
Ion	Ratio	Lower	Upper
43	100		
72	25.6	18.8	28.2





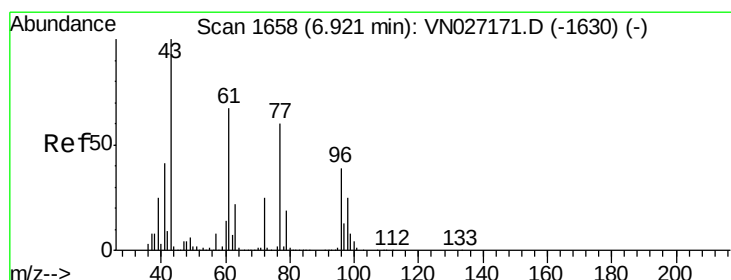
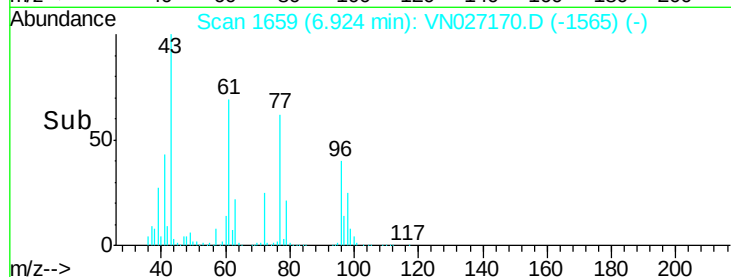
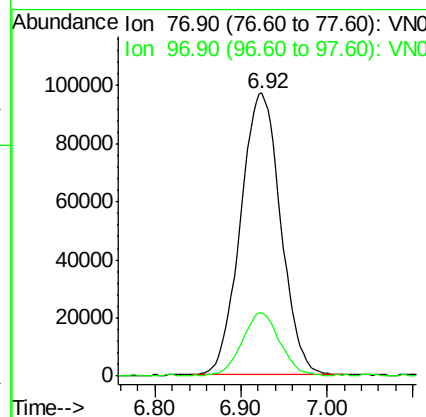
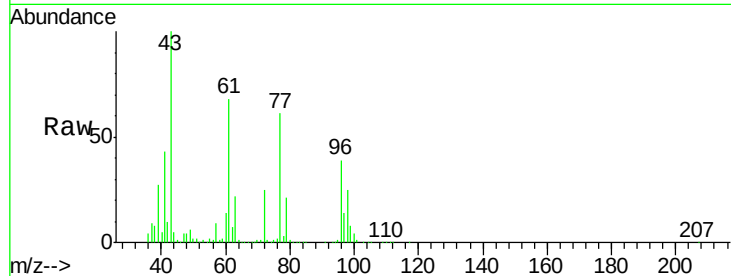
#27
 2,2-Dichloropropane
 Concen: 33.91 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion: 77 Resp: 314310
 Ion Ratio Lower Upper
 77 100
 97 20.9 11.8 35.3

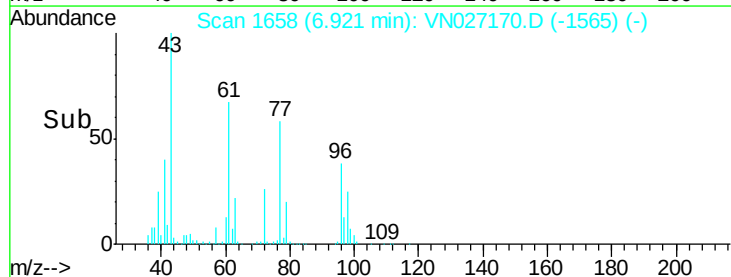
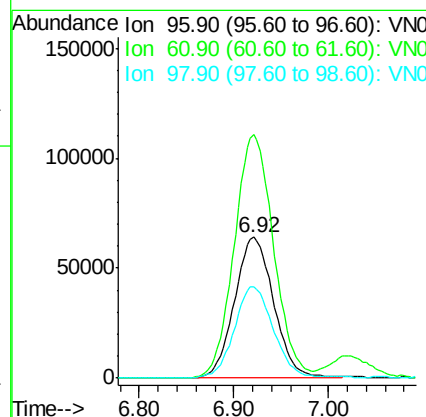
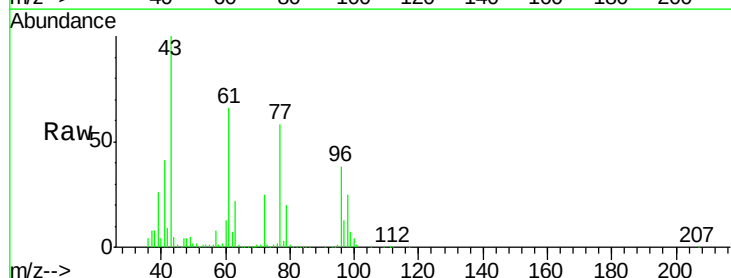
Manual Integrations
 APPROVED

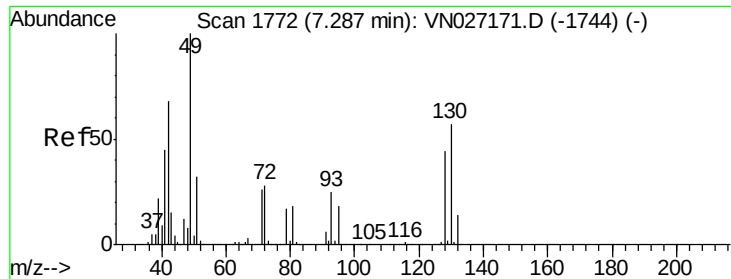
MMDadoda
 9/16/2015 11:46:38 AM



#28
 cis-1,2-Dichloroethene
 Concen: 24.55 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion: 96 Resp: 180988
 Ion Ratio Lower Upper
 96 100
 61 175.5 0.0 329.2
 98 65.3 0.0 126.0





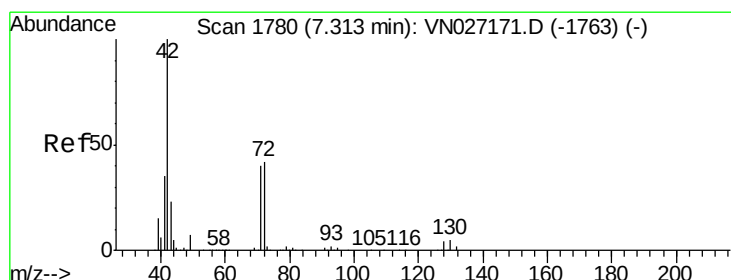
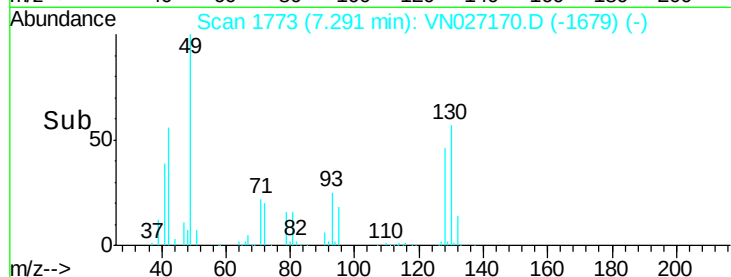
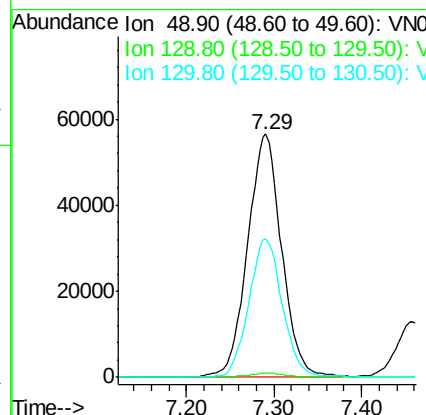
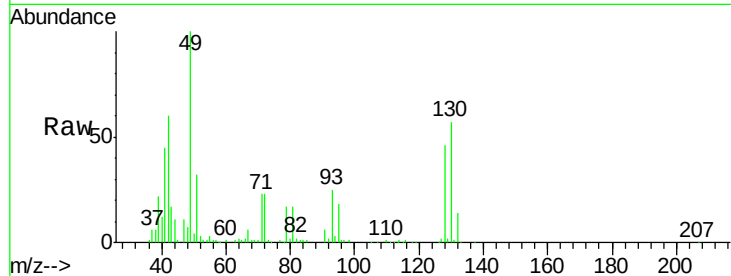
#29
Bromochloromethane
Concen: 27.02 ug/l
RT: 7.29 min Scan# 1773
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.2
130	55.9	43.2	64.8

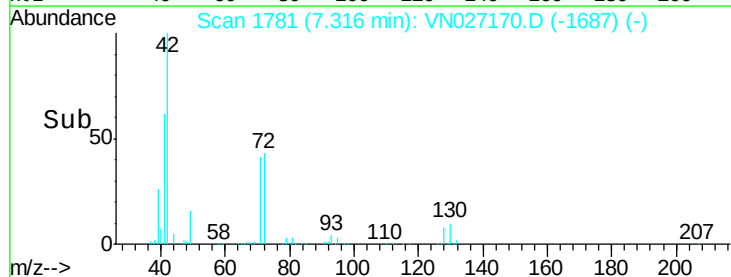
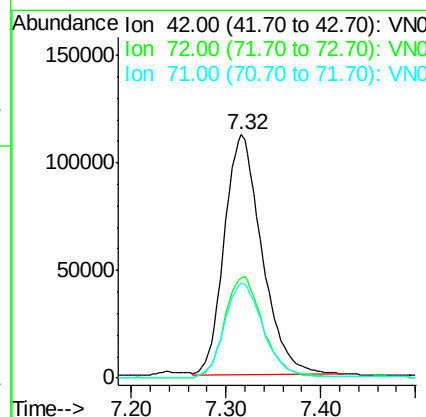
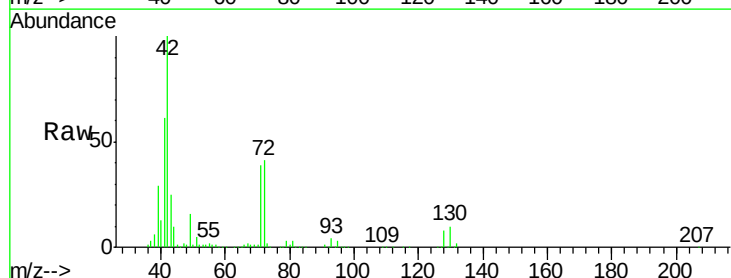
Manual Integrations
APPROVED

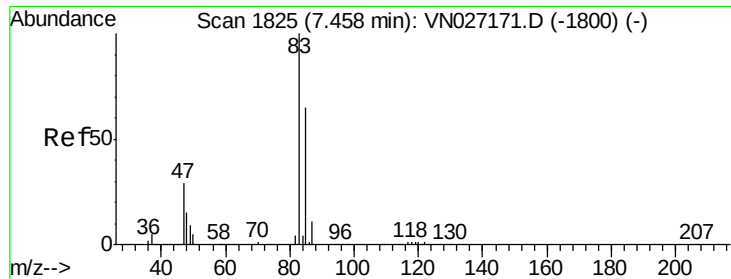
MMDadoda
9/16/2015 11:46:38 AM



#30
Tetrahydrofuran
Concen: 148.70 ug/l
RT: 7.32 min Scan# 1781
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.5	29.9	44.9
71	40.6	28.3	42.5





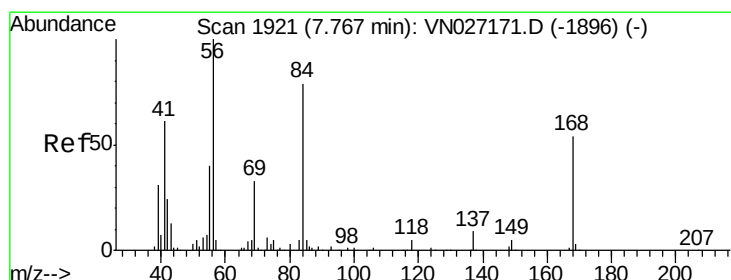
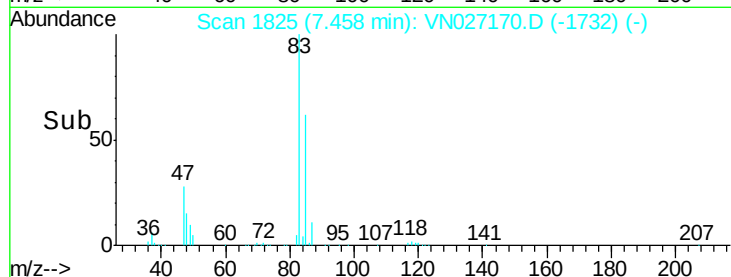
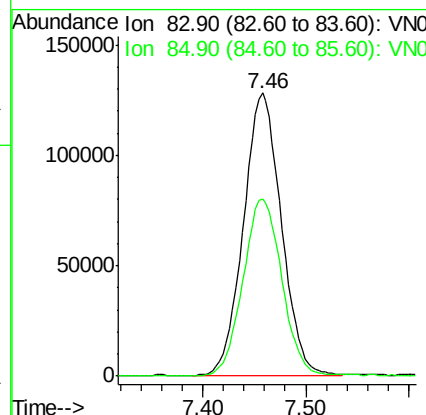
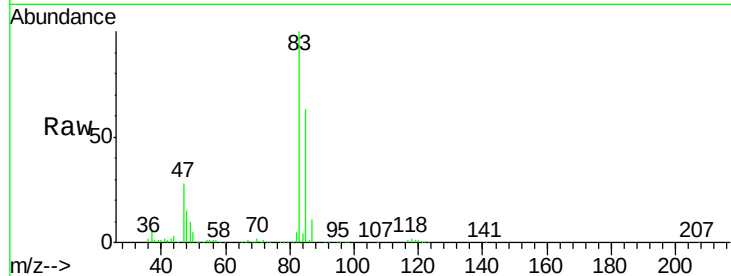
#31
Chloroform
Concen: 27.43 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	83	Resp	324901
Ion Ratio	100	Lower	Upper
85	62.8	51.1	76.7

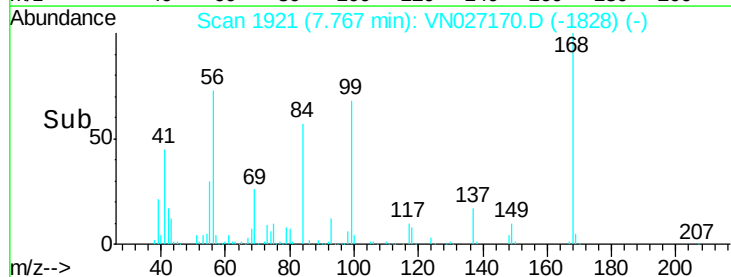
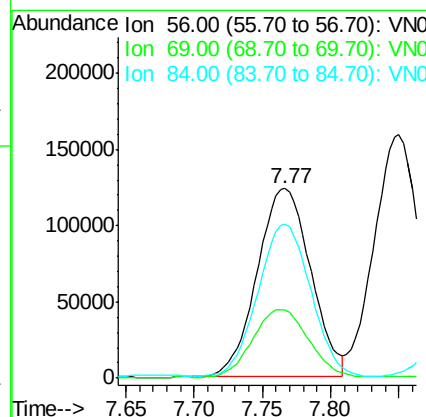
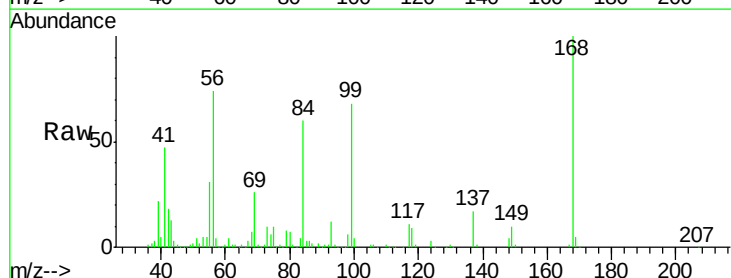
Manual Integrations
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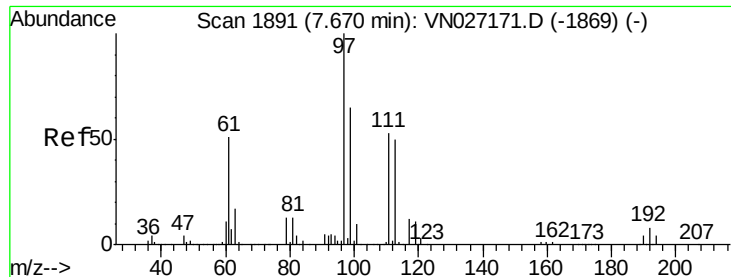
MMDadoda
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#32
Cyclohexane
Concen: 24.55 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	56	Resp	337892
Ion Ratio	100	Lower	Upper
69	35.5	23.0	34.4#
84	81.1	57.8	86.8





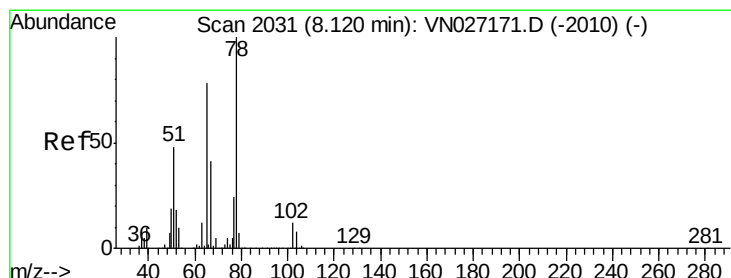
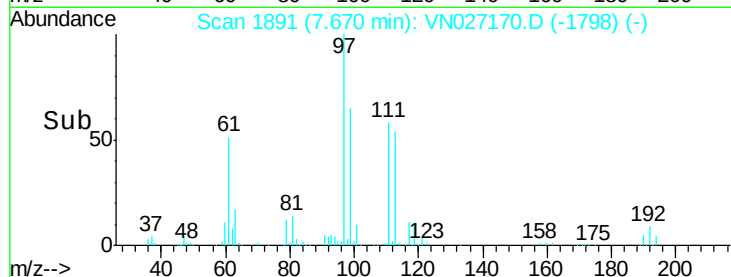
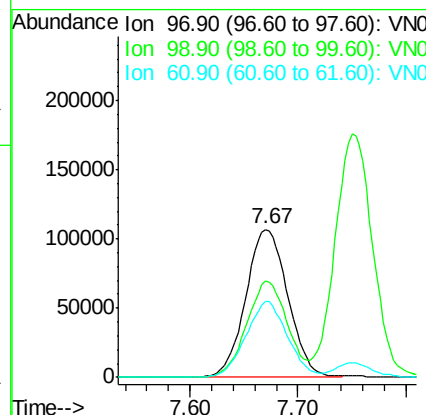
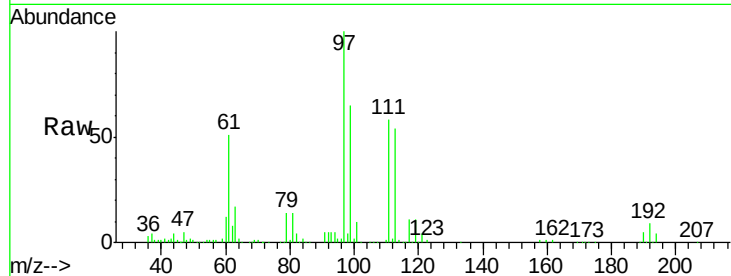
#33
 1,1,1-Trichloroethane
 Concen: 28.63 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.7	50.1	75.1
61	51.0	44.0	66.0

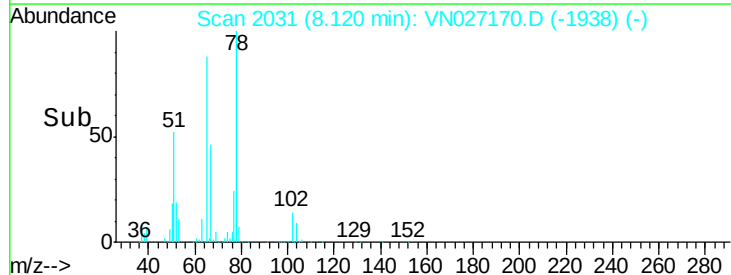
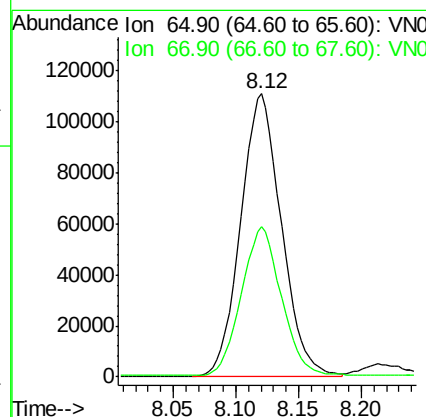
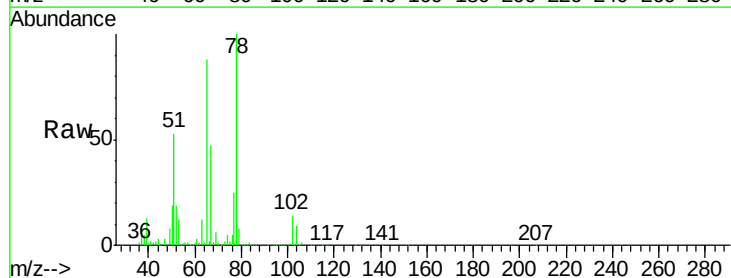
Manual Integrations
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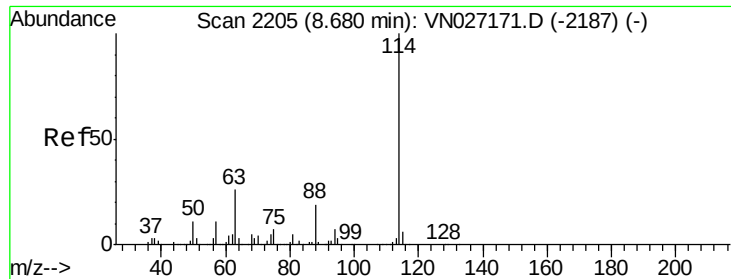
MMDadoda
 9/16/2015 11:46:38 AM



#34
 1,2-Dichloroethane-d4
 Concen: 32.08 ug/l
 RT: 8.12 min Scan# 2031
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	110.6





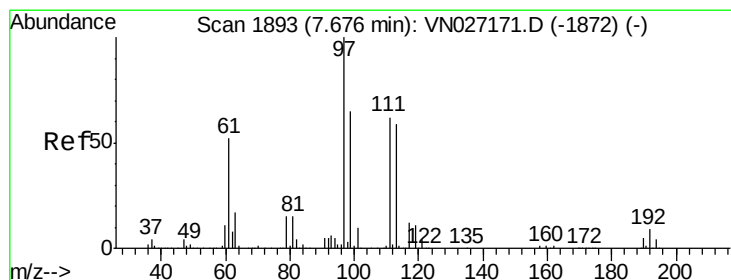
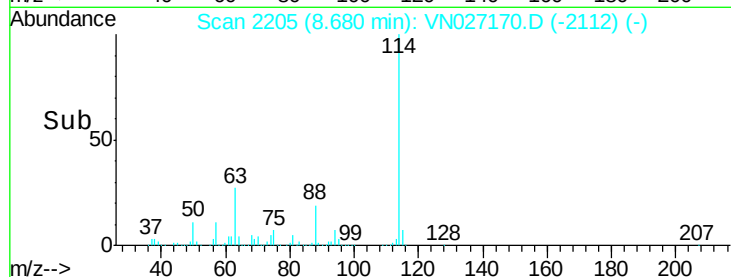
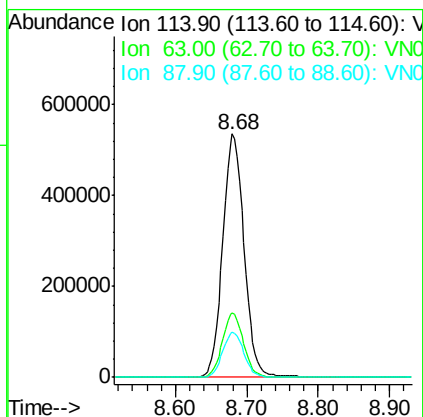
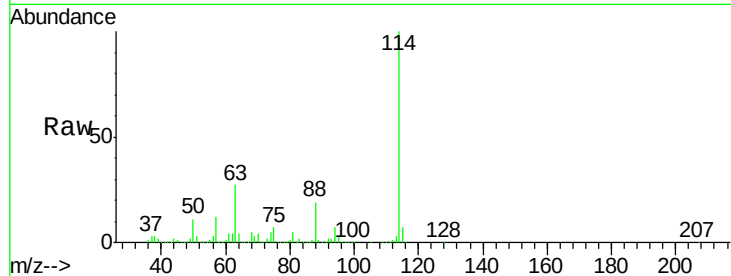
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
114	100	1114707		
63	26.6		0.0	48.8
88	18.6		0.0	32.2

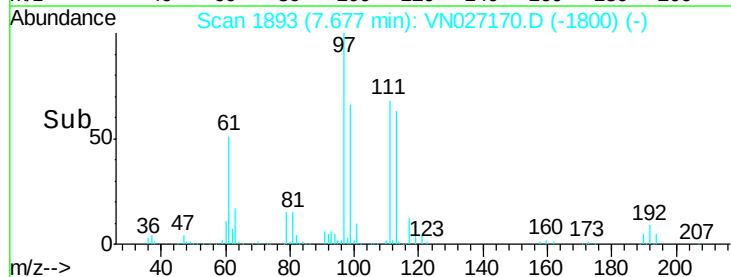
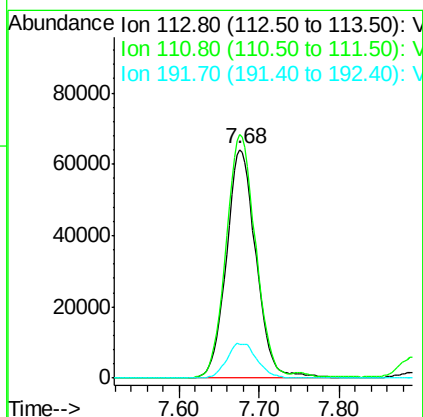
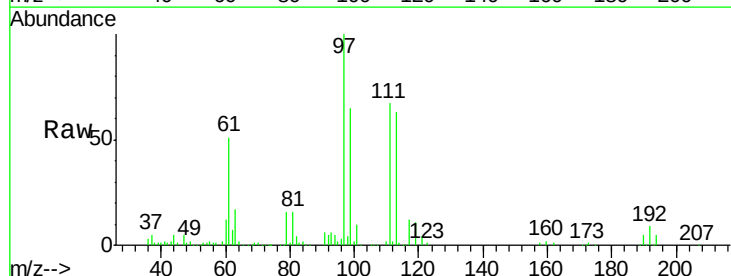
Manual Integrations
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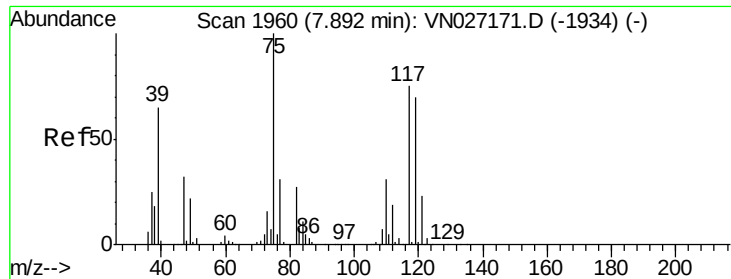
MMDadoda
 9/16/2015 11:46:38 AM



#36
 Dibromofluoromethane
 Concen: 23.69 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	161914		
111	106.1		83.0	124.4
192	15.5		14.1	21.1





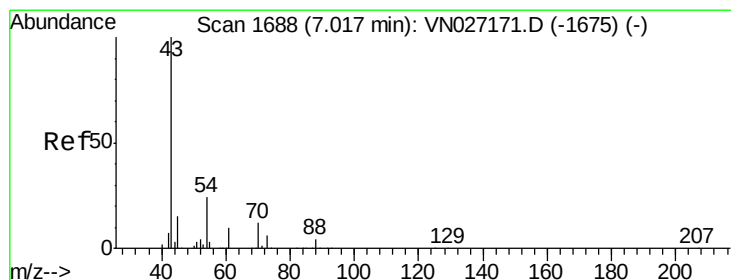
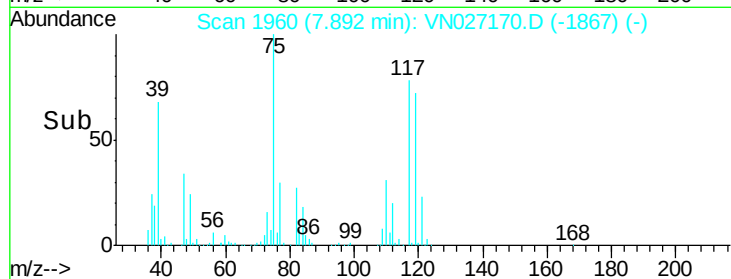
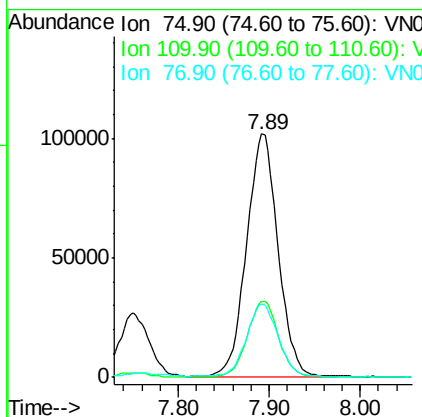
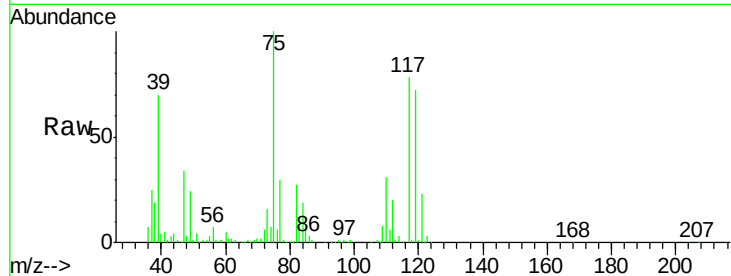
#37
 1,1-Dichloropropene
 Concen: 23.30 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
75	100	243770		
110	31.4	15.9	47.7	
77	30.5	24.9	37.3	

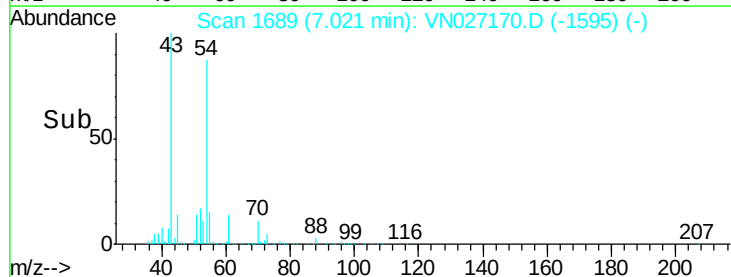
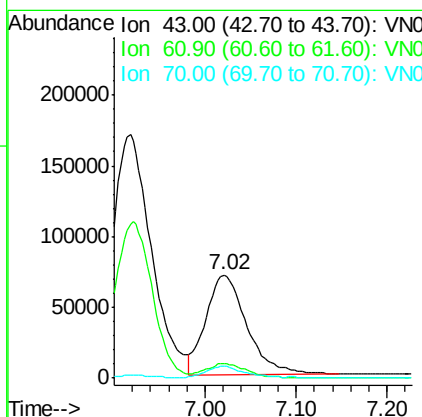
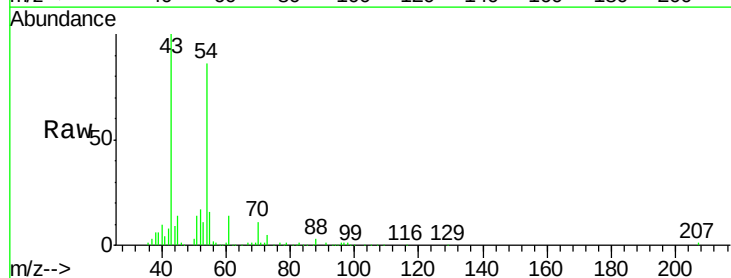
Manual Integrations
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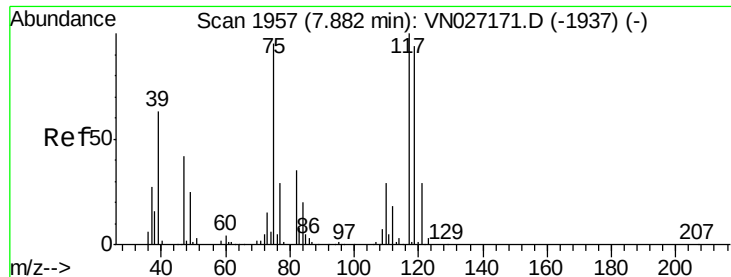
MMDadoda
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#38
 Ethyl Acetate
 Concen: 29.50 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	219067		
61	12.0	10.2	15.4	
70	10.1	7.4	11.0	





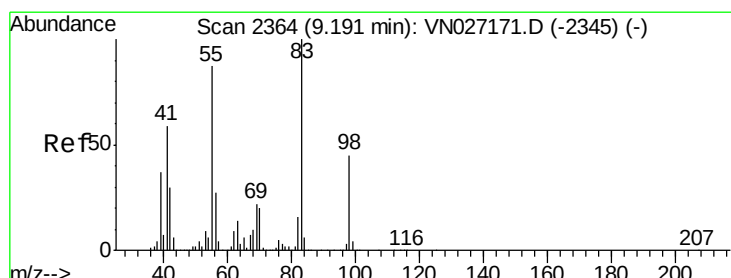
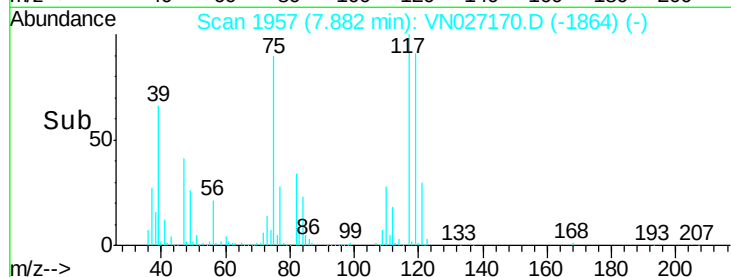
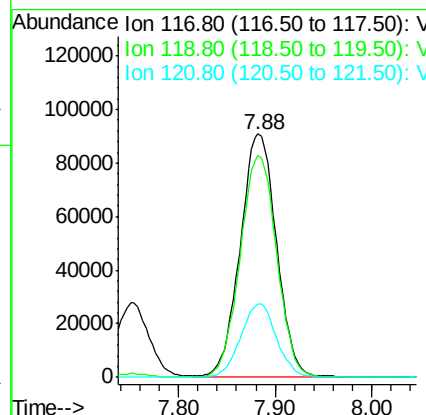
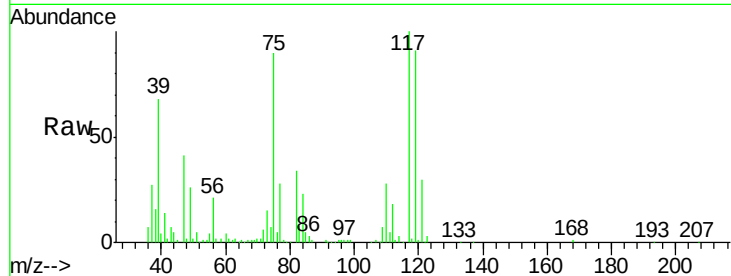
#39
Carbon Tetrachloride
Concen: 23.82 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.5	75.3	112.9
121	30.3	23.8	35.8

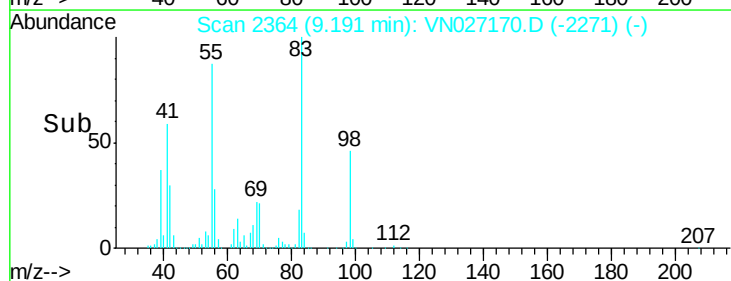
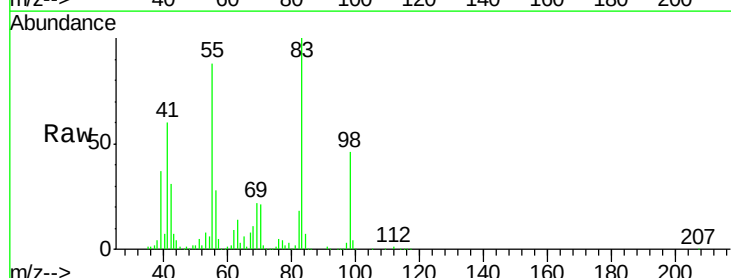
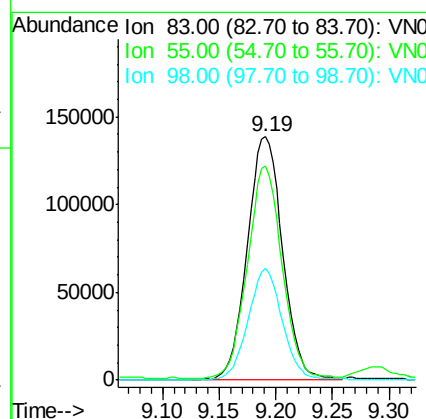
Manual Integrations
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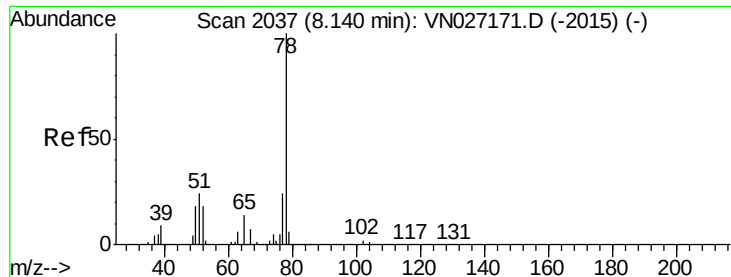
MMDadoda
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#40
Methylcyclohexane
Concen: 23.65 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	87.4	69.8	104.8
98	45.9	34.3	51.5





#41

Benzene

Concen: 22.40 ug/l

RT: 8.14 min Scan# 2038

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 78 Resp: 723372

Ion Ratio Lower Upper

78 100

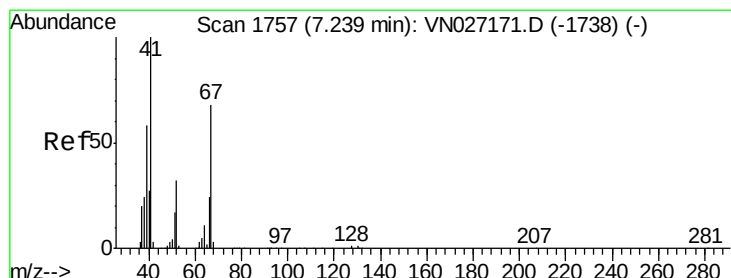
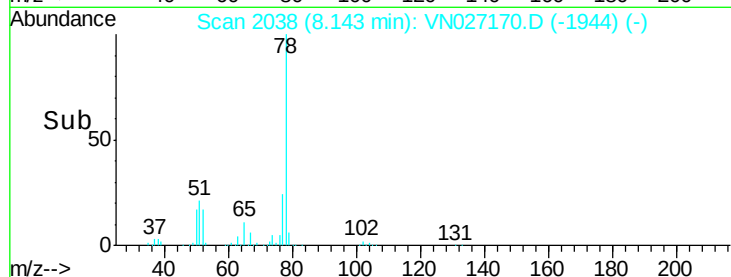
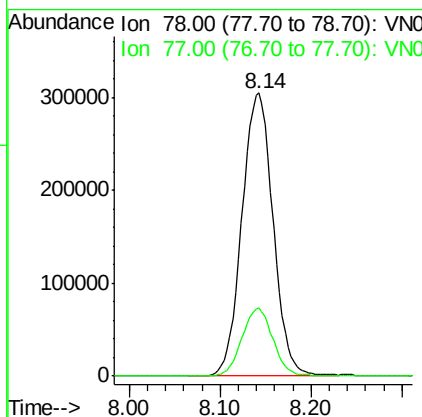
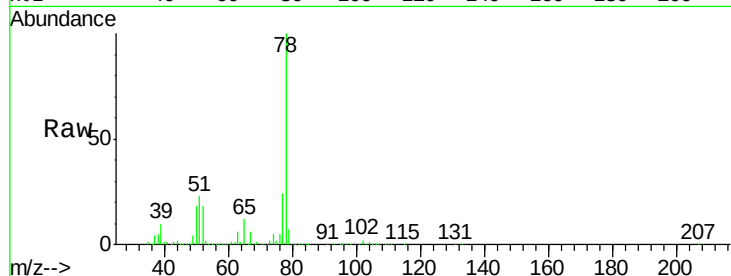
77 23.8 19.0 28.4

Manual Integrations

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MMDadoda

9/16/2015 11:46:38 AM



#42

Methacrylonitrile

Concen: 25.40 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion: 41 Resp: 122040

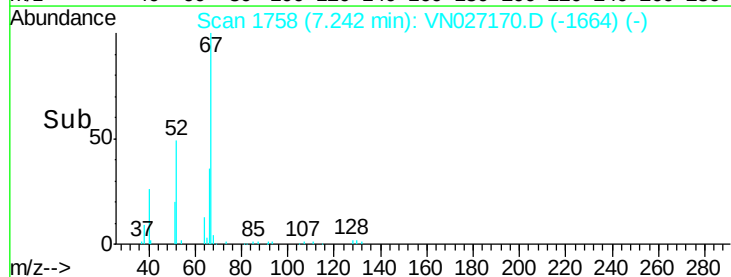
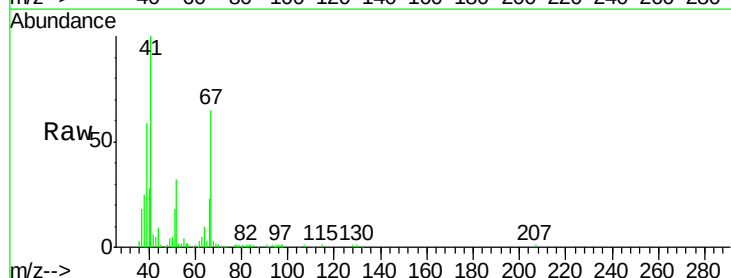
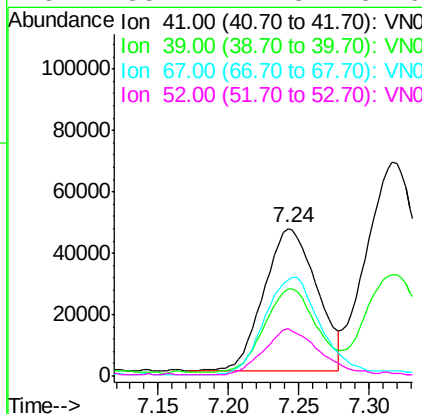
Ion Ratio Lower Upper

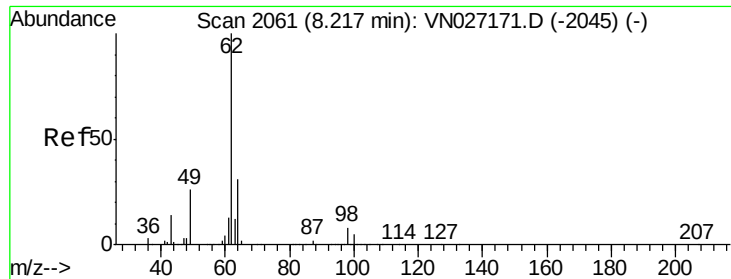
41 100

39 58.2 43.0 64.6

67 72.0 52.2 78.2

52 33.2 21.3 31.9#





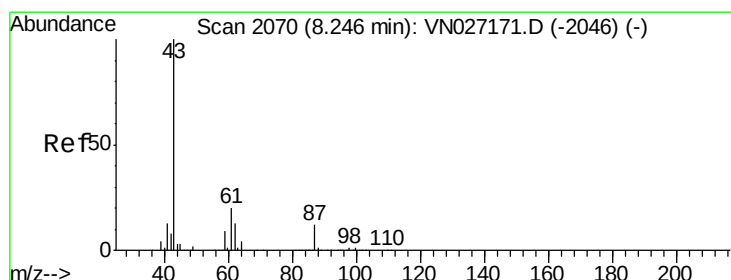
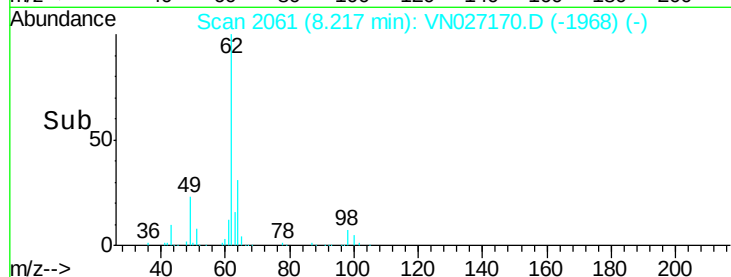
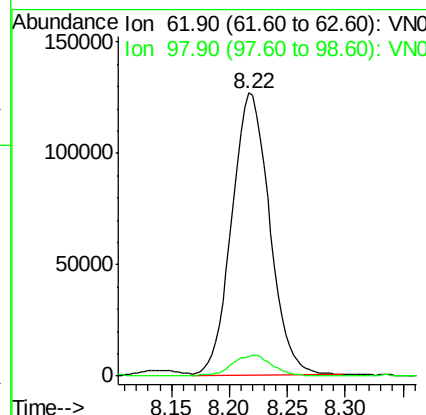
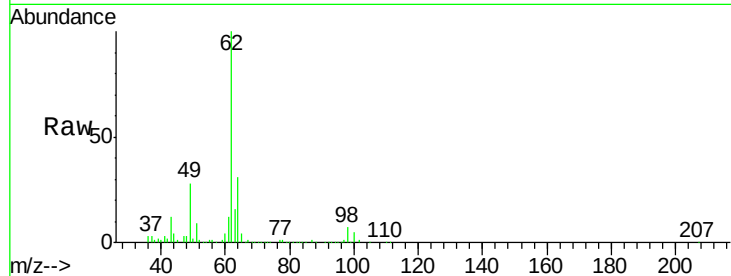
#43
 1,2-Dichloroethane
 Concen: 25.88 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
62	100	287322		
98	7.3	0.0	18.0	

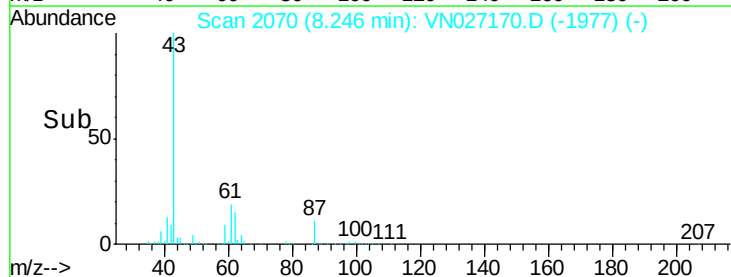
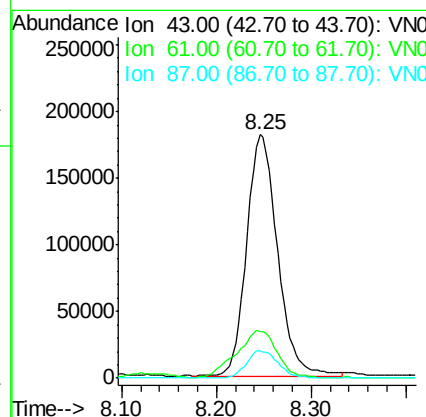
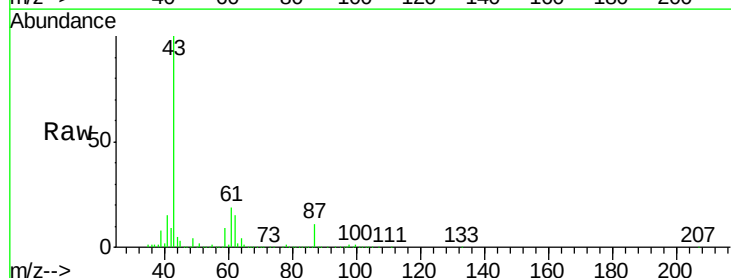
Manual Integrations
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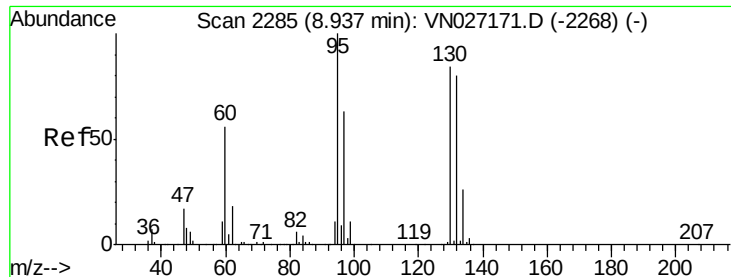
MMDadoda
 9/16/2015 11:46:38 AM



#44
 Isopropyl Acetate
 Concen: 30.47 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	409662		
61	25.1	20.6	31.0	
87	11.8	8.6	13.0	





#45

Trichloroethene

Concen: 18.73 ug/l

RT: 8.94 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:130 Resp: 147418

Ion Ratio Lower Upper

130 100

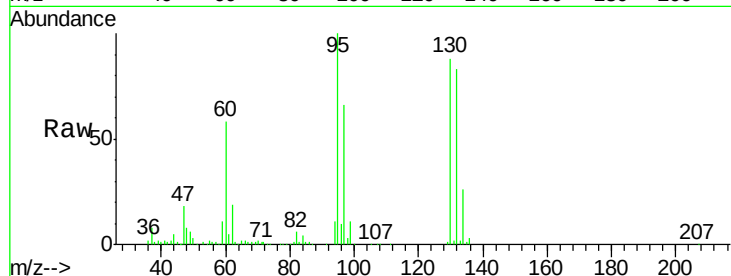
95 113.6 0.0 222.2

Manual Integrations

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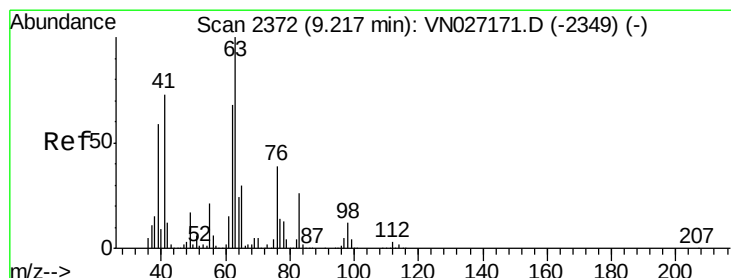
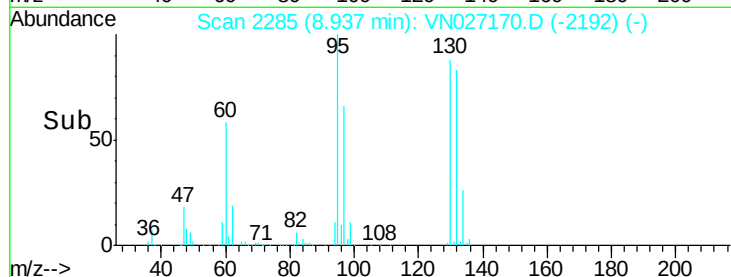
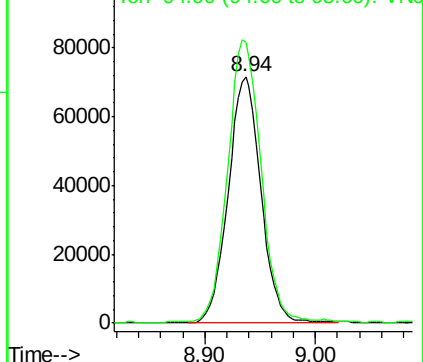
MMDadoda

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#46

1,2-Dichloropropane

Concen: 24.70 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027170.D

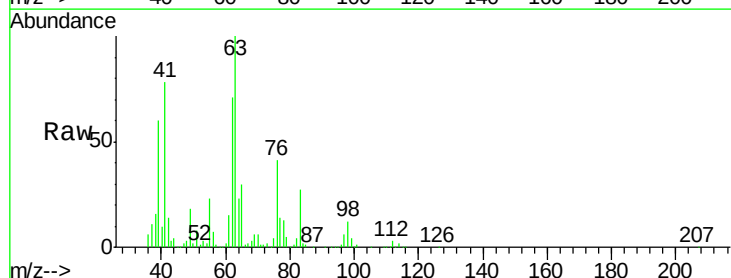
Acq: 15 Sep 2015 16:24

Tgt Ion: 63 Resp: 207400

Ion Ratio Lower Upper

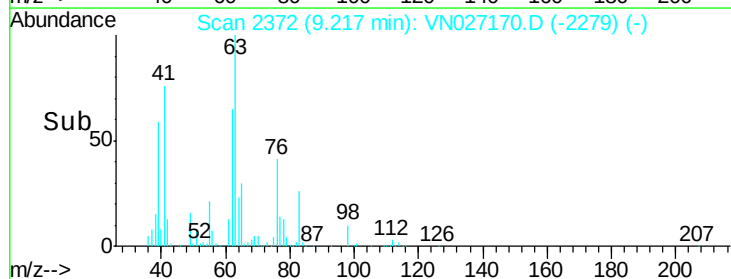
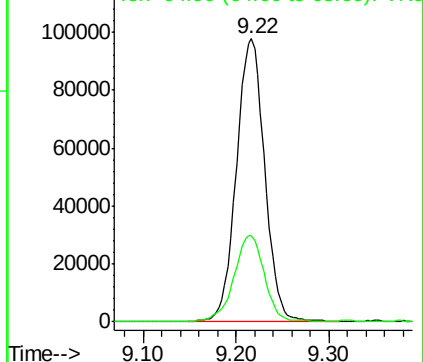
63 100

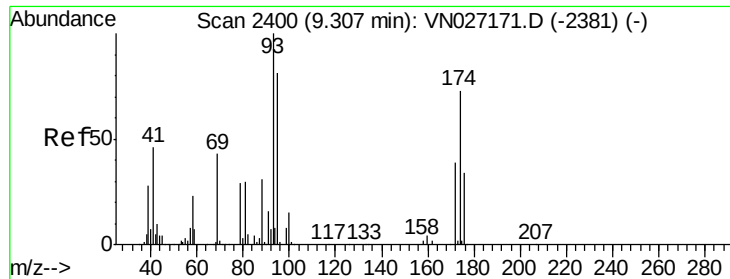
65 30.1 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





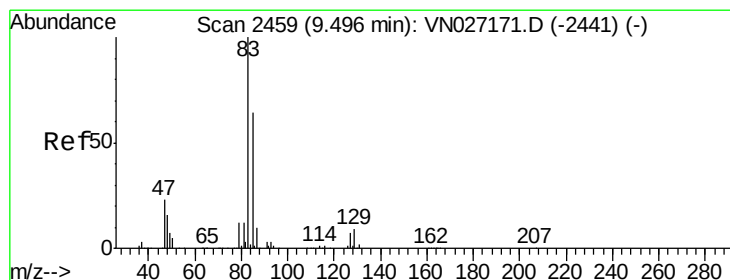
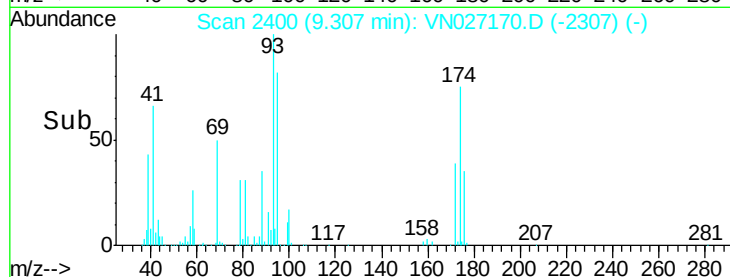
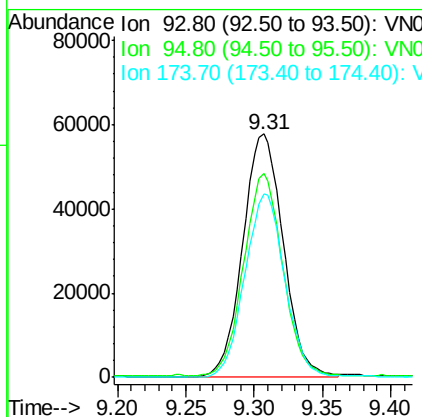
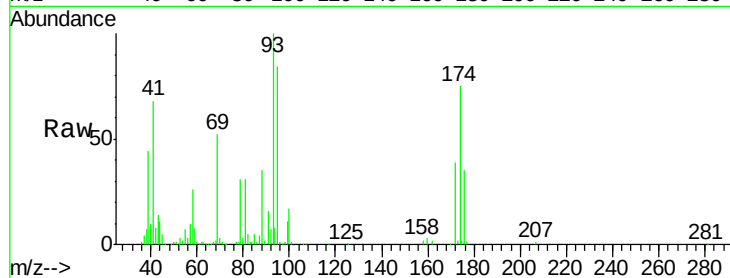
#47
Dibromomethane
Concen: 23.82 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Lower	Upper
93	100		
95	80.0	66.3	99.5
174	74.6	67.8	101.6

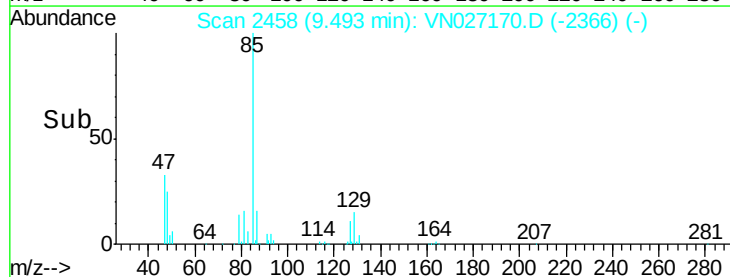
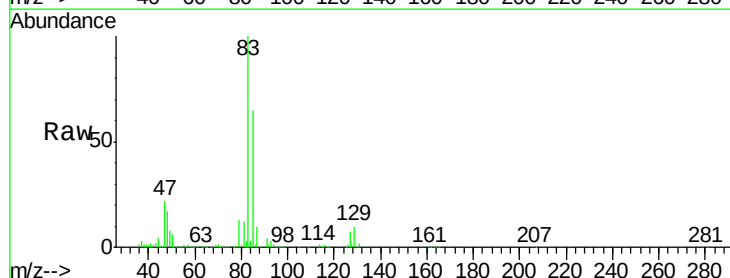
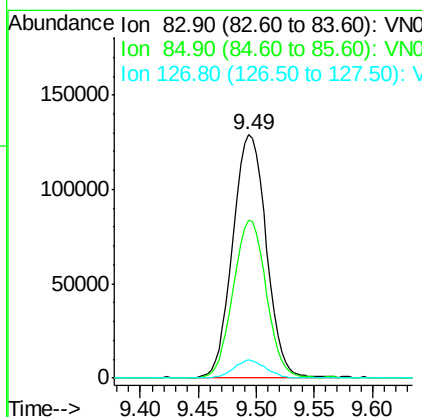
Manual Integrations
APPROVED

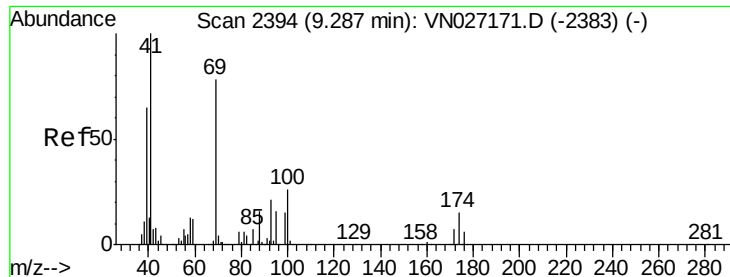
MMDadoda
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#48
Bromodichloromethane
Concen: 24.74 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.7	76.1
127	7.3	5.5	8.3





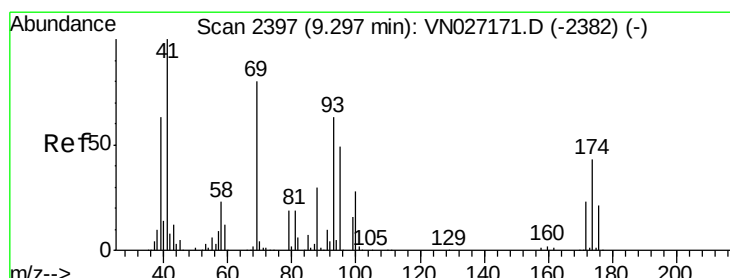
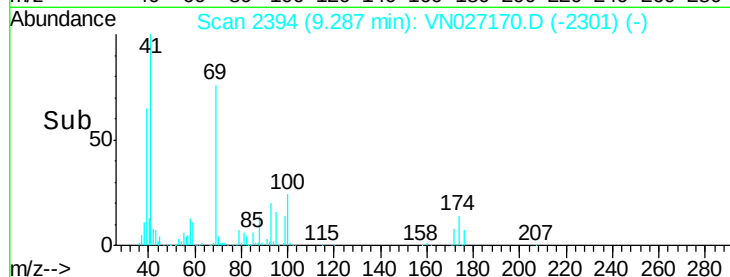
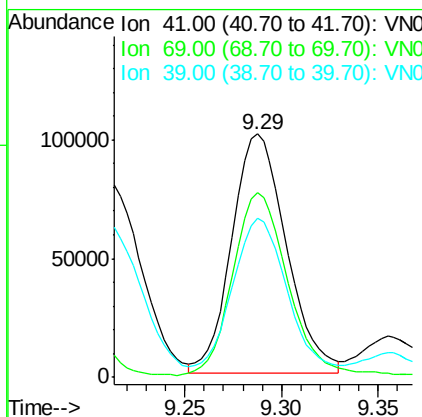
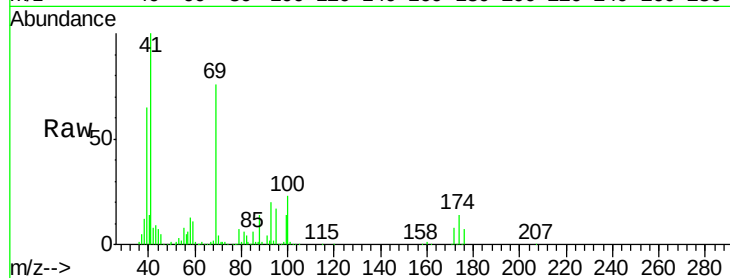
#49
Methvl methacrylate
Concen: 28.96 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
41	100	197908		
69	76.7	59.3	88.9	
39	65.5	39.5	59.3#	

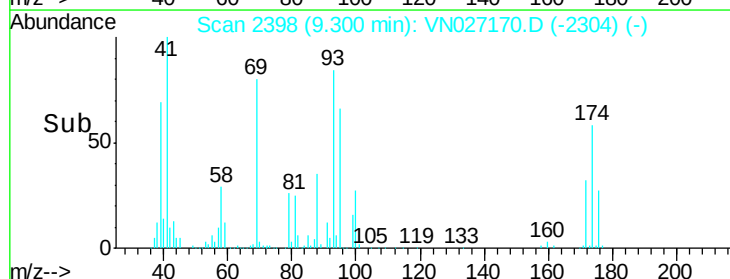
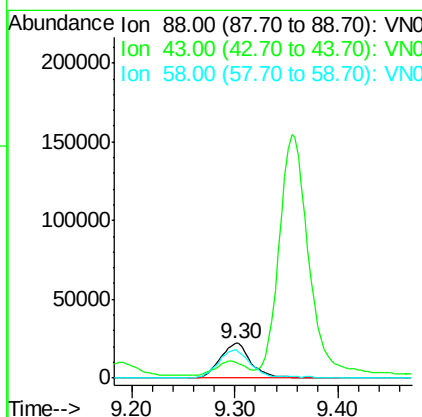
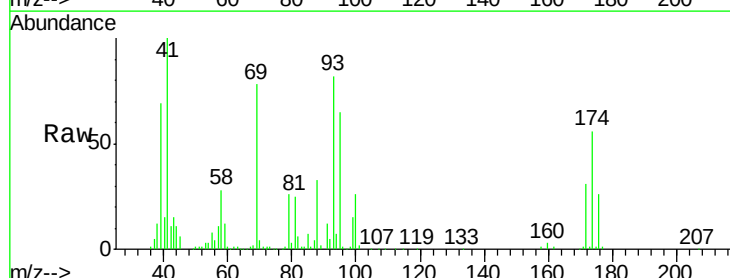
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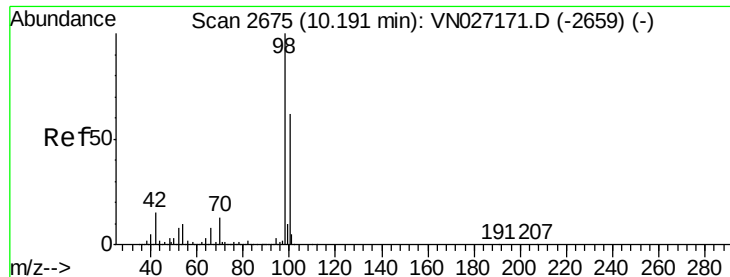
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#50
1,4-Dioxane
Concen: 475.72 ug/l
RT: 9.30 min Scan# 2398
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	46784		
43	38.3	27.6	41.4	
58	83.0	63.1	94.7	





#51

Toluene-d8

Concen: 23.08 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 98 Resp: 629840

Ion Ratio Lower Upper

98 100

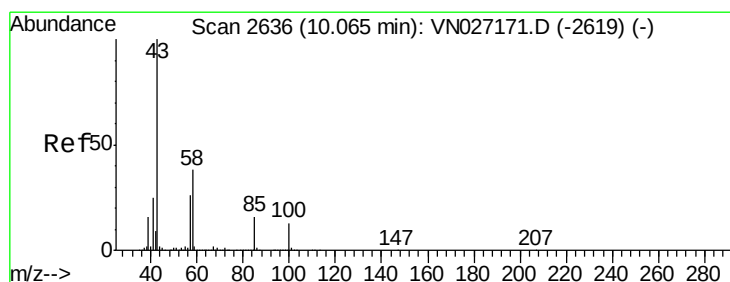
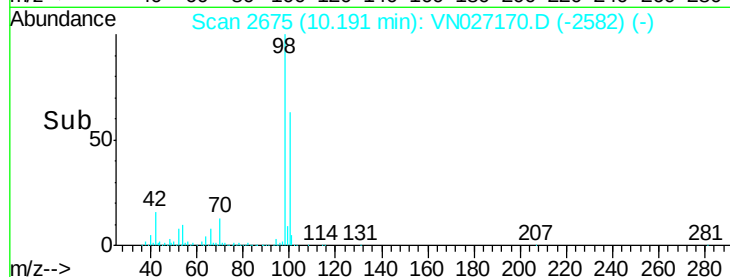
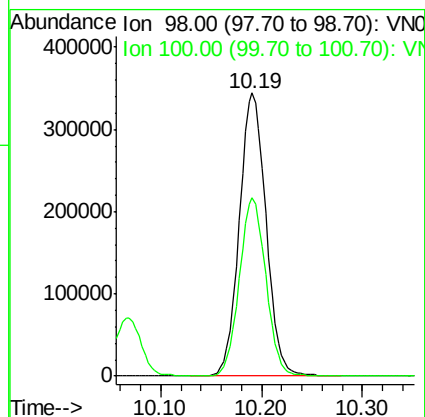
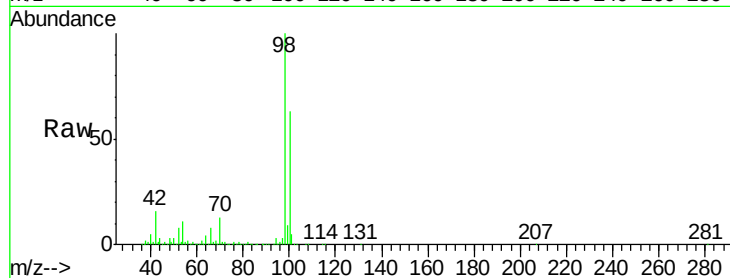
100 62.4 50.5 75.7

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#52

4-Methyl-2-Pentanone

Concen: 139.84 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027170.D

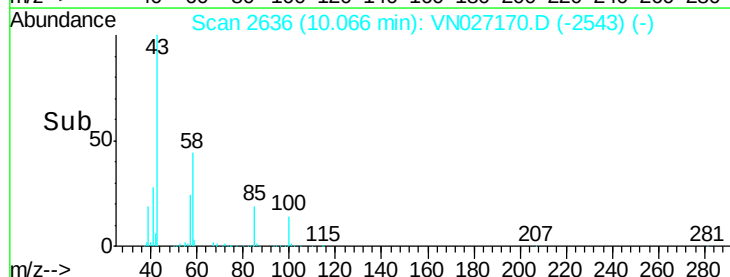
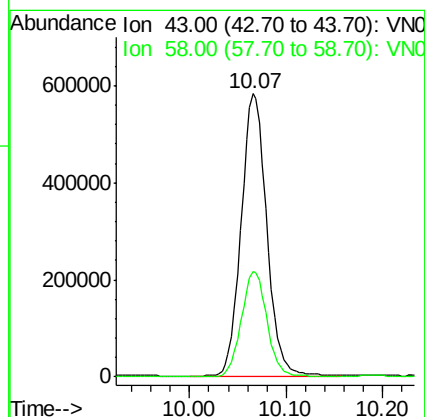
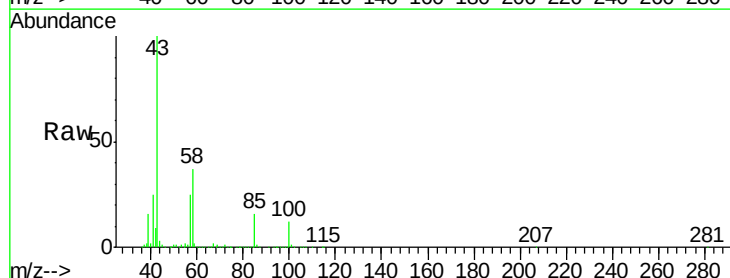
Acq: 15 Sep 2015 16:24

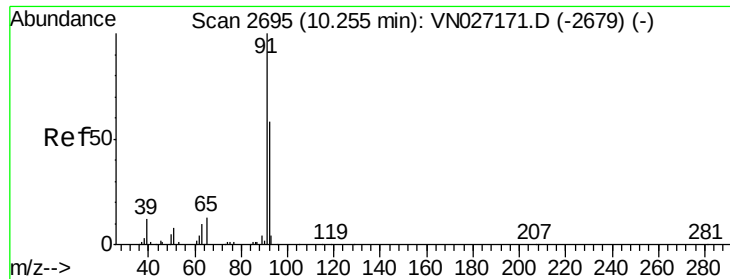
Tgt Ion: 43 Resp: 1066395

Ion Ratio Lower Upper

43 100

58 37.6 29.8 44.8





#53

Toluene

Concen: 21.69 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion: 92 Resp: 425042

Ion Ratio Lower Upper

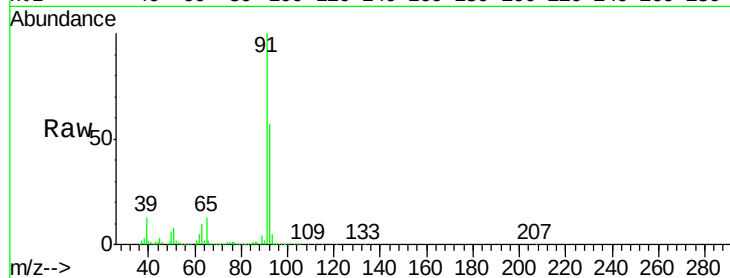
92 100

91 173.6 141.4 212.2

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Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

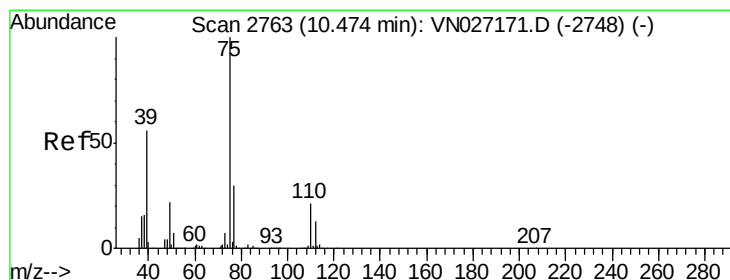
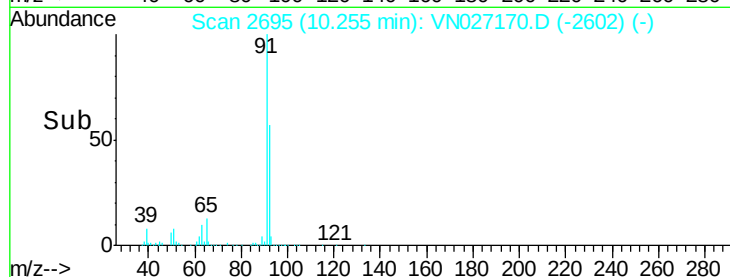
200000

100000

0

10.20 10.30 10.40

Time-->



#54

t-1,3-Dichloropropene

Concen: 27.61 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027170.D

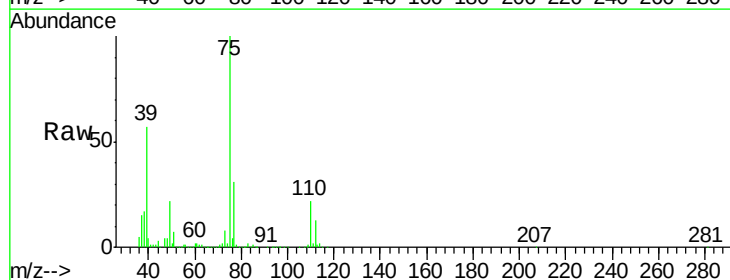
Acq: 15 Sep 2015 16:24

Tgt Ion: 75 Resp: 286923

Ion Ratio Lower Upper

75 100

77 30.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

150000

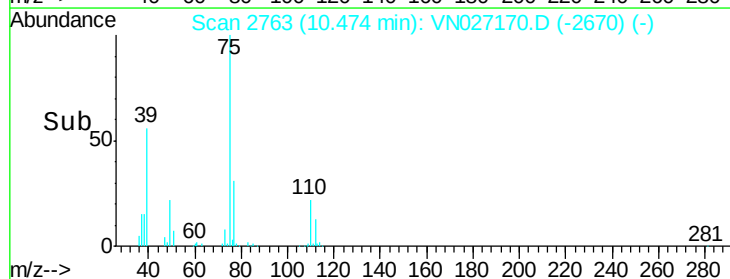
100000

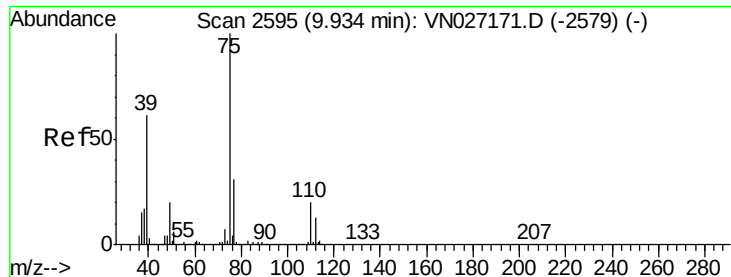
50000

0

10.40 10.50 10.60

Time-->





#55

cis-1,3-Dichloropropene

Concen: 26.17 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

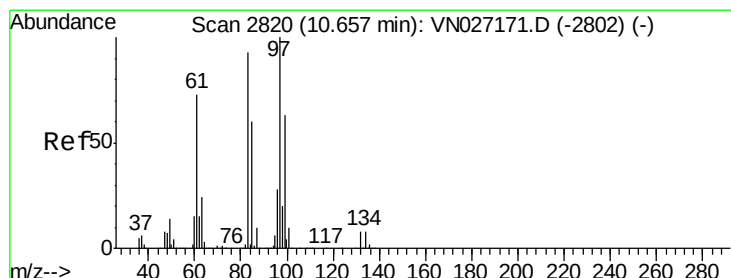
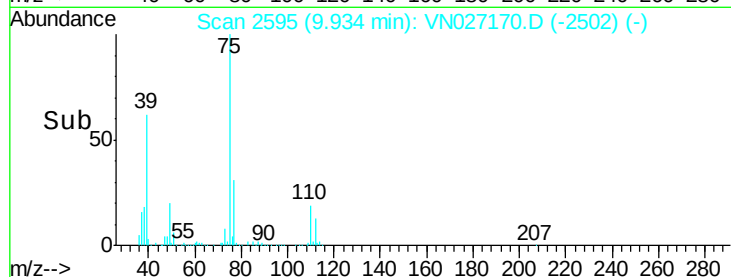
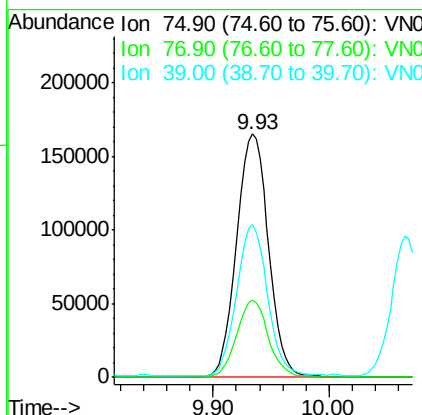
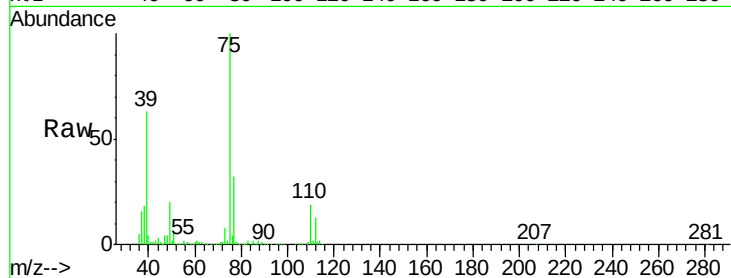
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	315977
Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.6	38.4
39	61.9	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 21.39 ug/l

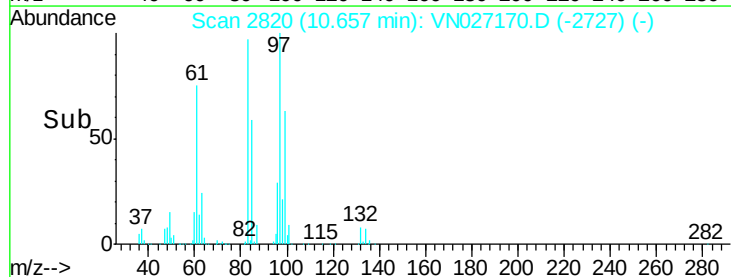
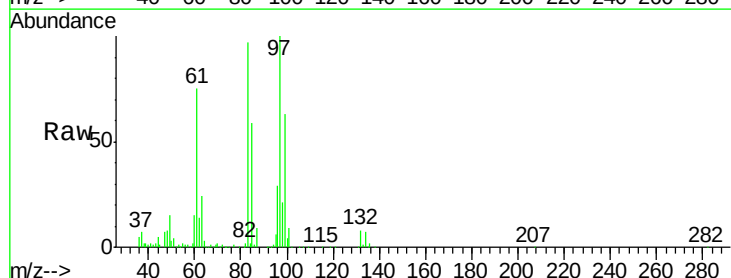
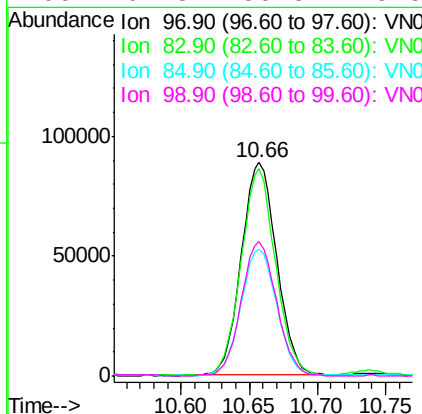
RT: 10.66 min Scan# 2820

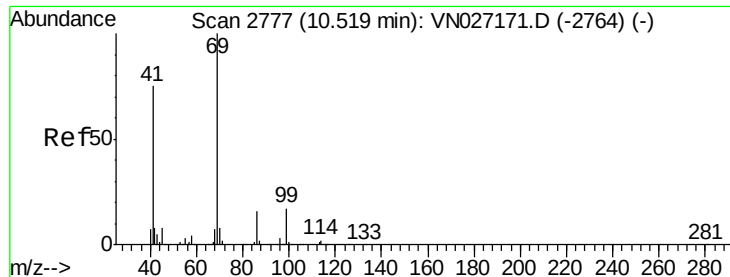
Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion:	97	Resp:	159929
Ion	Ratio	Lower	Upper
97	100		
83	97.1	75.0	112.4
85	59.3	48.0	72.0
99	62.8	50.3	75.5





#57

Ethyl methacrylate

Concen: 26.85 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

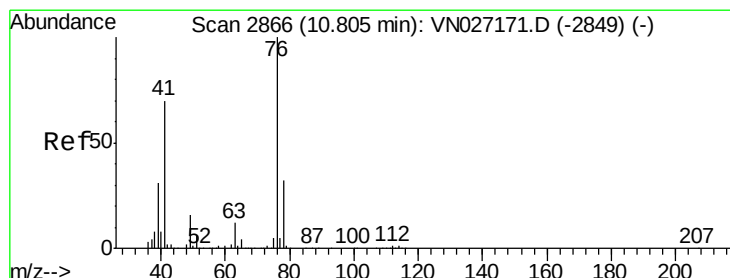
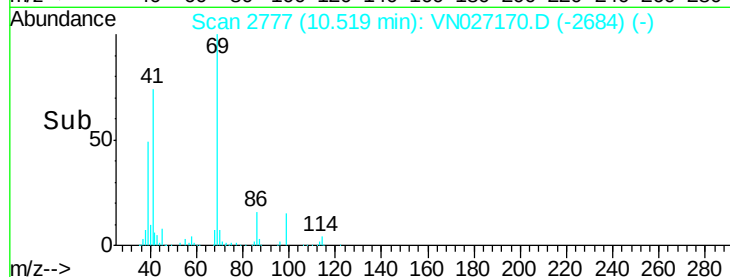
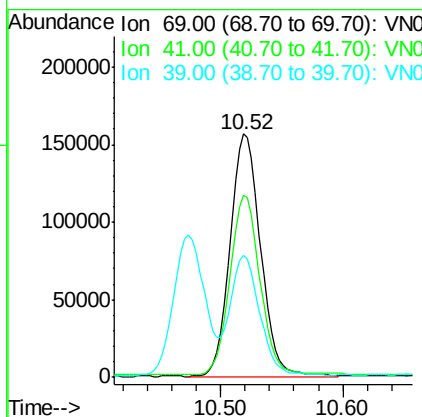
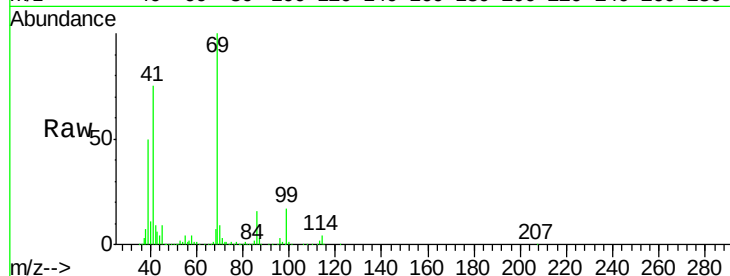
ClientSampled :

VSTDIC020

Tot Ion:	69	Resp:	271431
Ion Ratio	Lower	Upper	
69	100		
41	72.0	61.3	91.9
39	47.7	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 23.81 ug/l

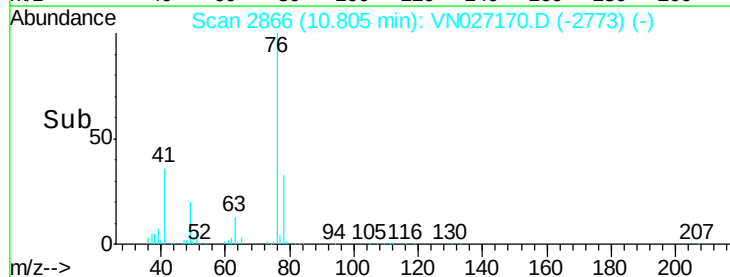
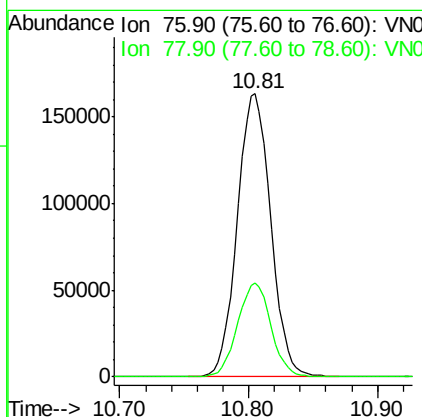
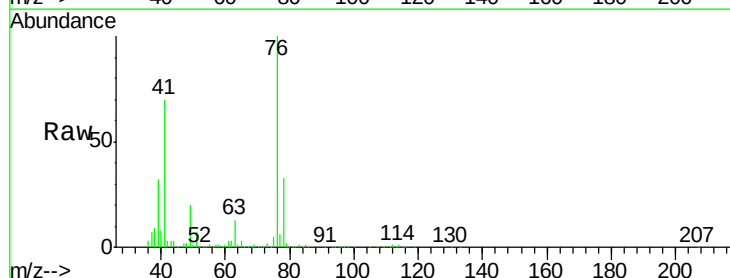
RT: 10.81 min Scan# 2866

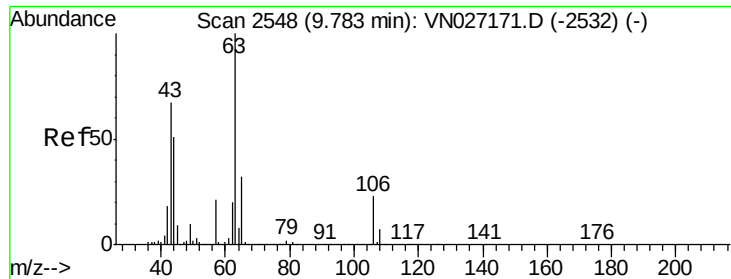
Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion:	76	Resp:	294892
Ion Ratio	Lower	Upper	
76	100		
78	33.0	25.0	37.6





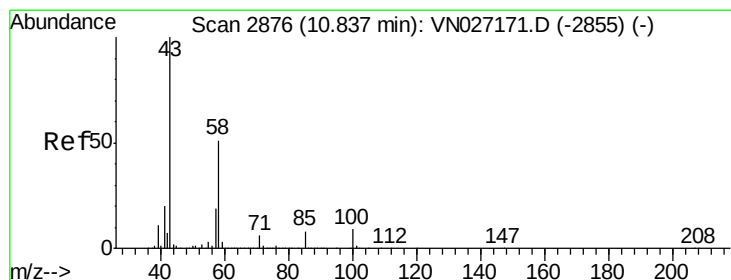
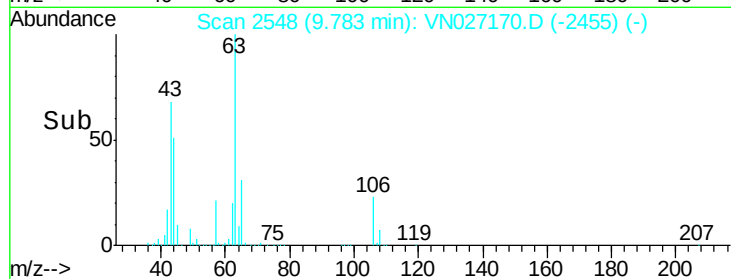
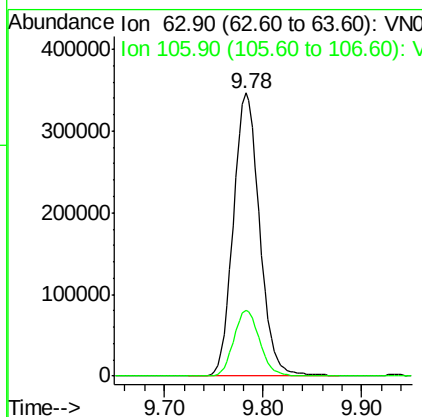
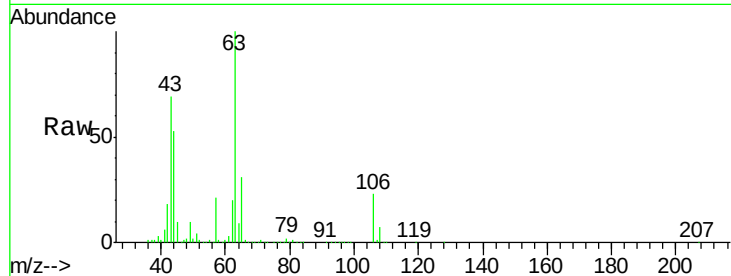
#59
2-Chloroethyl Vinyl ether
Concen: 161.75 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion: 63 Resp: 636283
Ion Ratio Lower Upper
63 100
106 23.2 17.7 26.5

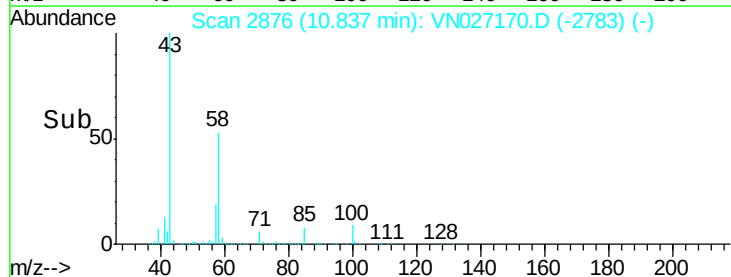
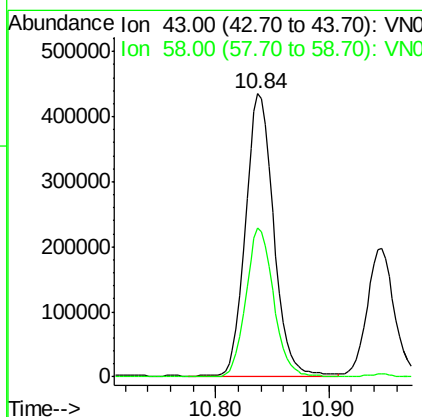
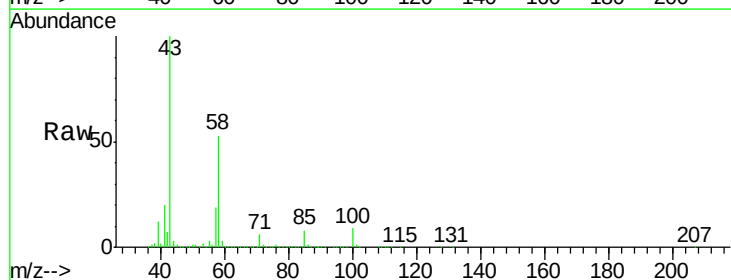
Manual Integrations
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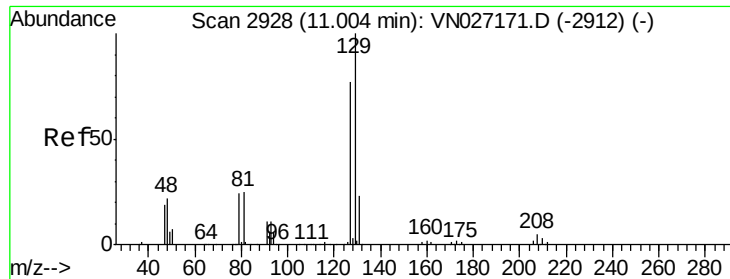
MMDadoda
9/16/2015 11:46:38 AM



#60
2-Hexanone
Concen: 147.12 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion: 43 Resp: 747166
Ion Ratio Lower Upper
43 100
58 52.0 26.2 78.5





#61

Dibromochloromethane

Concen: 21.66 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:129 Resp: 166909

Ion Ratio Lower Upper

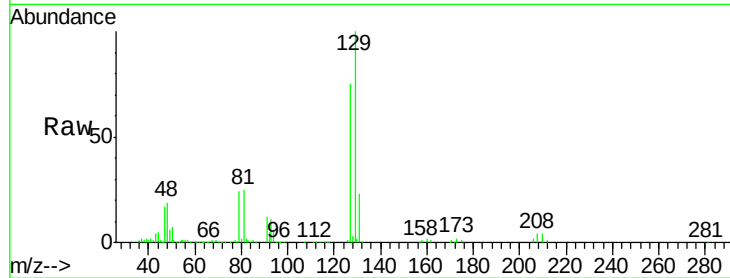
129 100

127 75.7 39.1 117.2

Manual Integrations
APPROVED

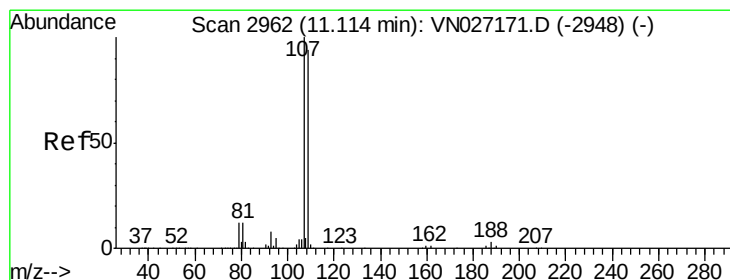
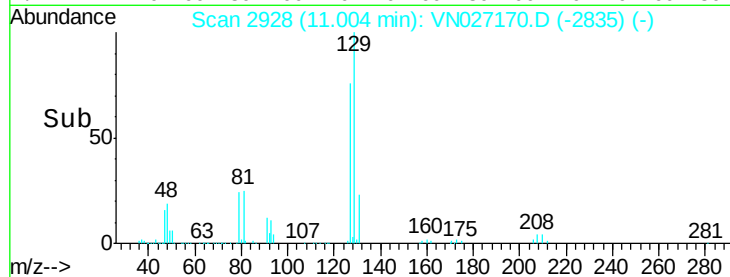
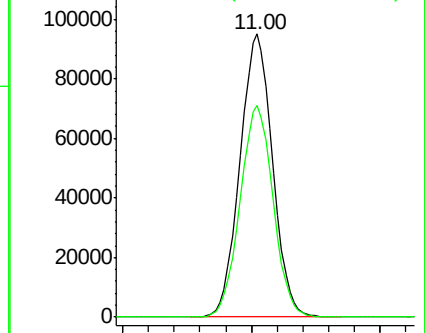
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

1,2-Dibromoethane

Concen: 21.86 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027170.D

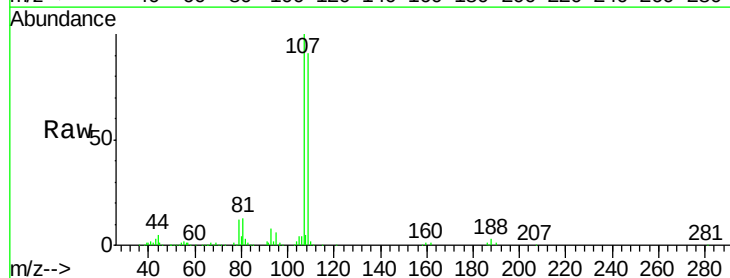
Acq: 15 Sep 2015 16:24

Tgt Ion:107 Resp: 156404

Ion Ratio Lower Upper

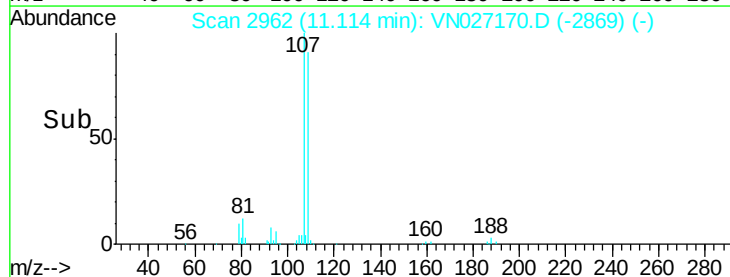
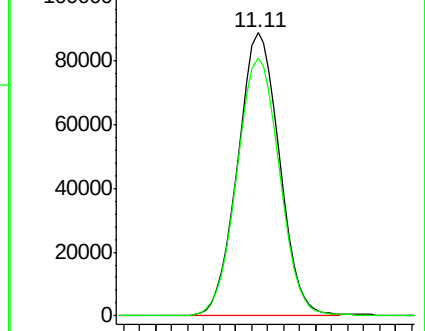
107 100

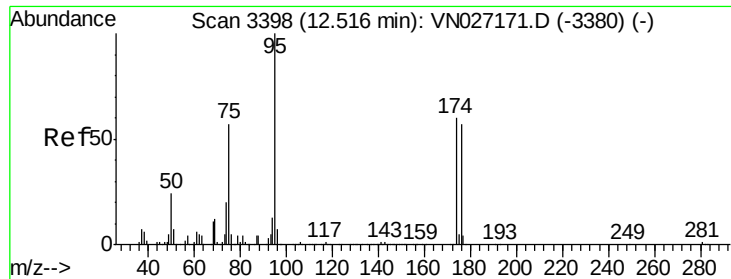
109 94.4 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





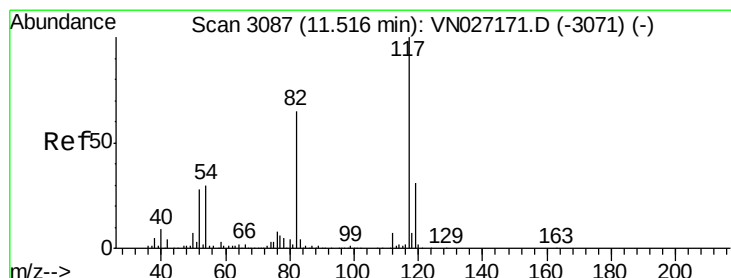
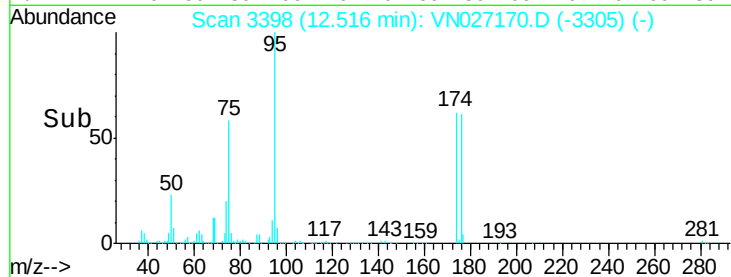
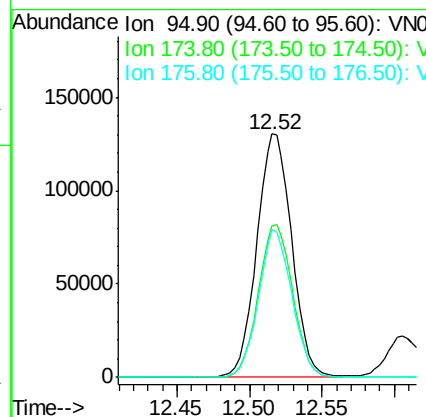
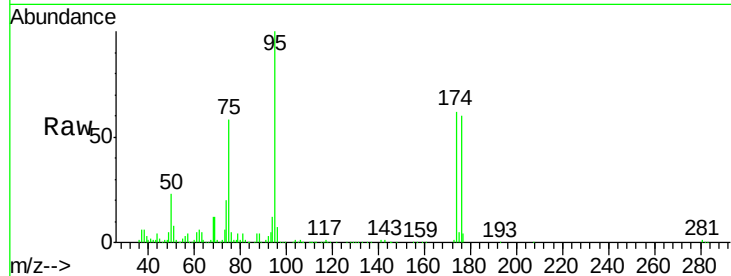
#63
4-Bromofluorobenzene
Concen: 24.35 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	217664		
174	62.1	0.0	137.0	
176	58.5	0.0	130.8	

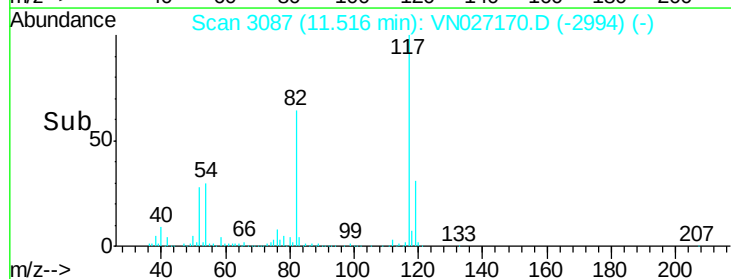
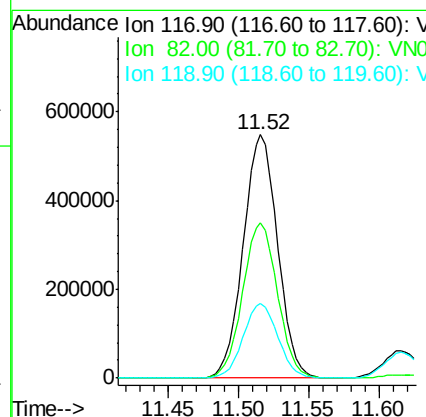
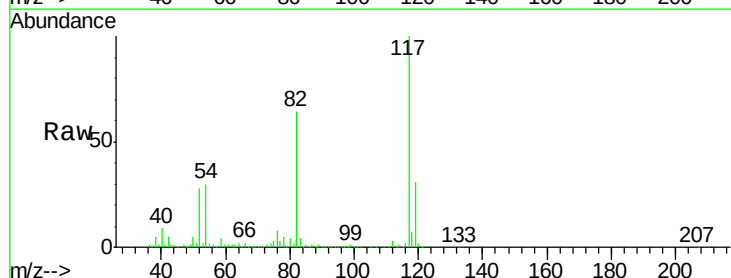
Manual Integrations
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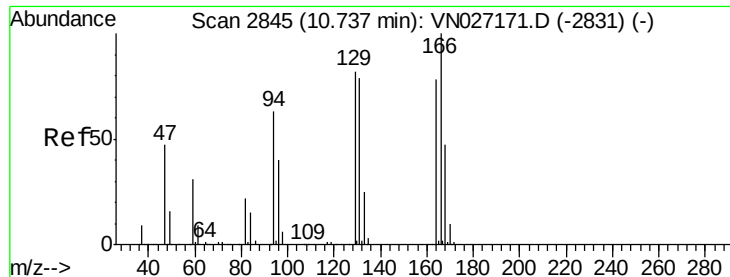
MMDadoda
9/16/2015 11:46:38 AM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	937960		
82	63.6	49.6	74.4	
119	30.5	24.6	36.8	





#65

Tetrachloroethene

Concen: 17.26 ug/l

RT: 10.74 min Scan# 2845

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC020

Tot Ion:164 Resp: 115563

Ion Ratio Lower Upper

164 100

166 125.0 103.4 155.0

129 101.4 77.5 116.3

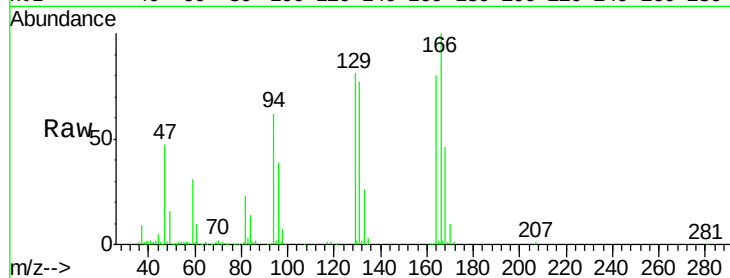
131 96.7 74.2 111.4

Manual Integrations

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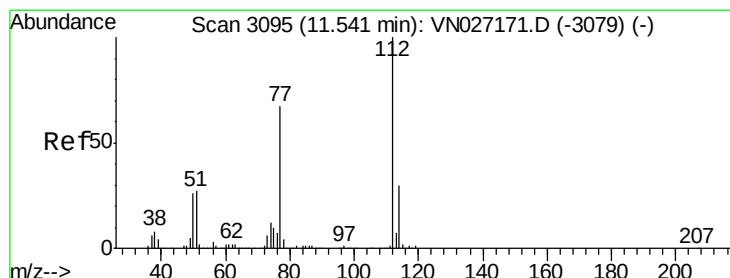
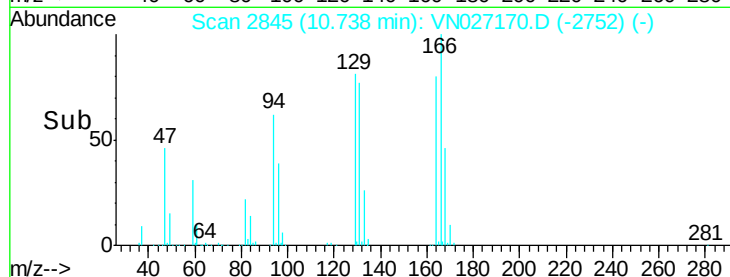
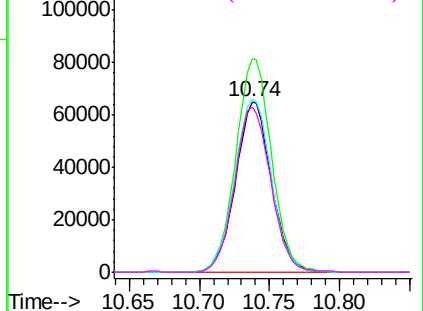


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#66

Chlorobenzene

Concen: 20.53 ug/l

RT: 11.54 min Scan# 3095

Delta R.T. 0.00 min

Lab File: VN027170.D

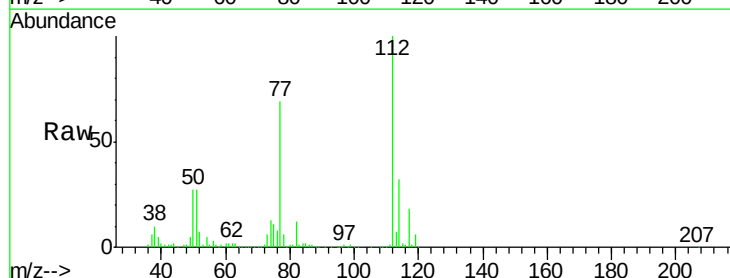
Acq: 15 Sep 2015 16:24

Tgt Ion:112 Resp: 419449

Ion Ratio Lower Upper

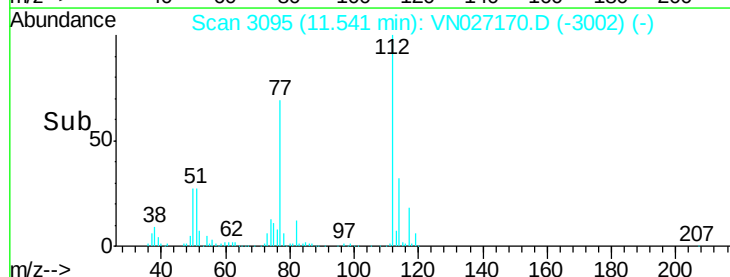
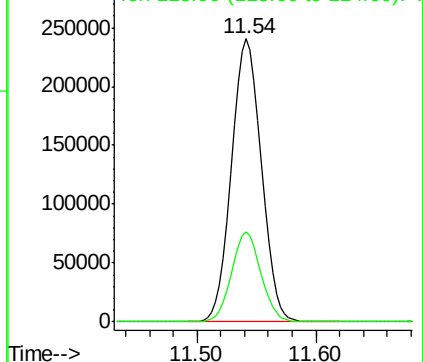
112 100

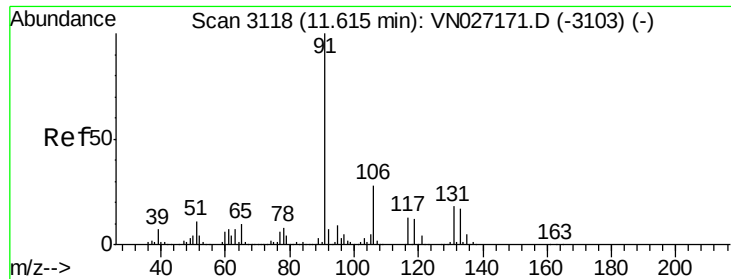
114 31.9 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#67

1,1,1,2-Tetrachloroethane

Concen: 20.71 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

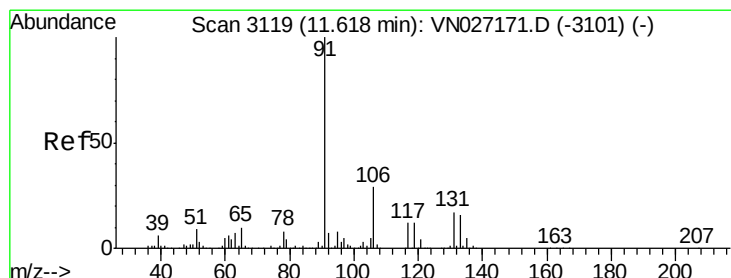
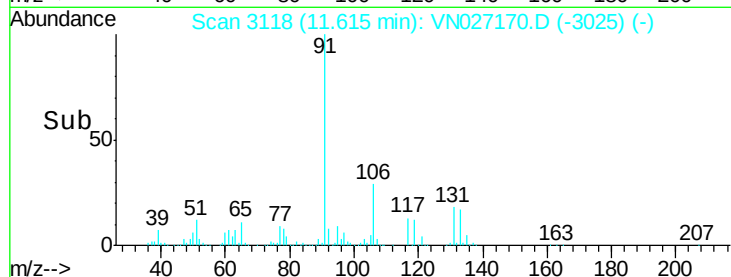
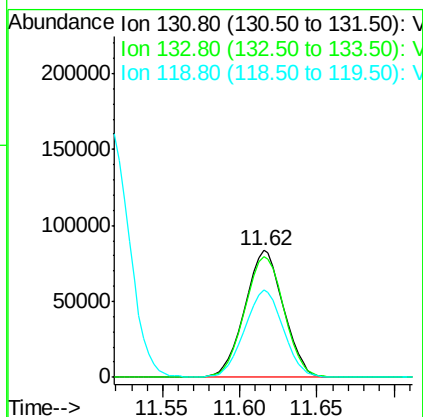
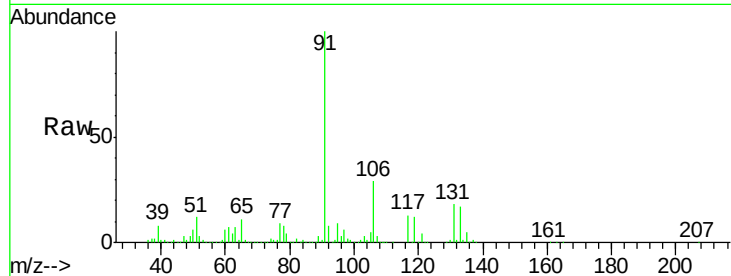
ClientSampled :

VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
131	100	146113		
133	96.9	47.0	141.2	
119	68.7	35.1	105.5	

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#68

Ethyl Benzene

Concen: 23.27 ug/l

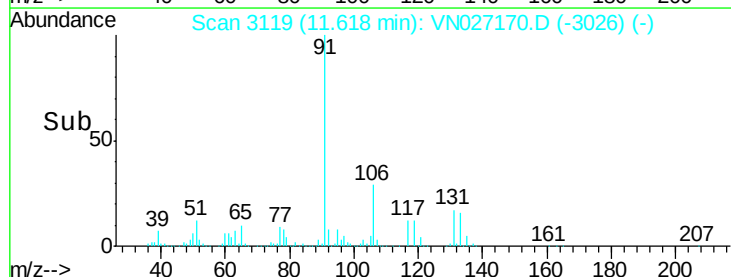
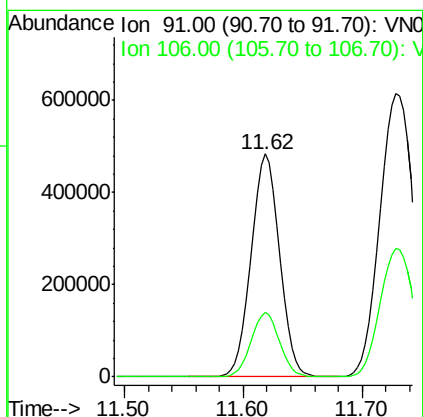
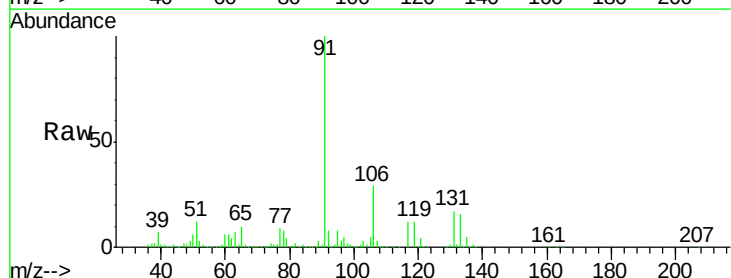
RT: 11.62 min Scan# 3119

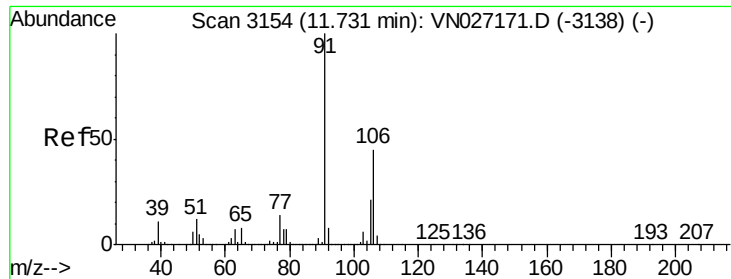
Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	799724		
106	28.9	23.1	34.7	





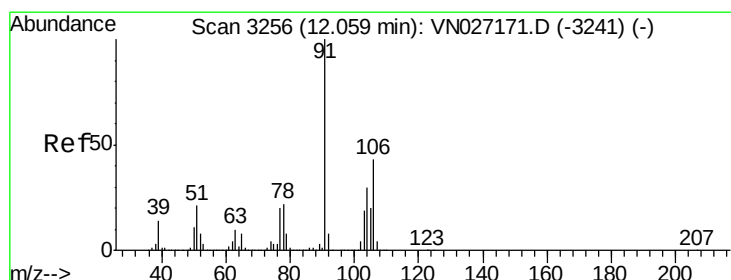
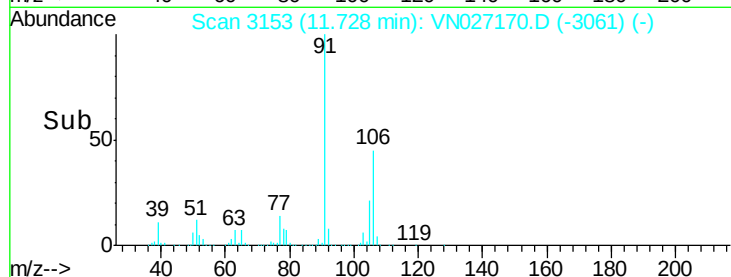
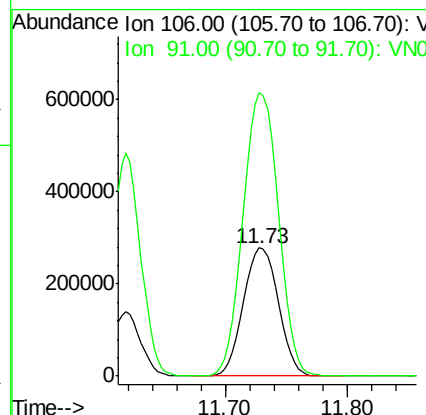
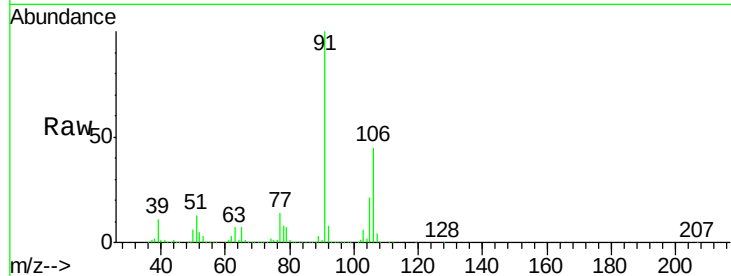
#69
m/p-Xylenes
Concen: 43.24 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		552517		
91	222.5	167.1	250.7		

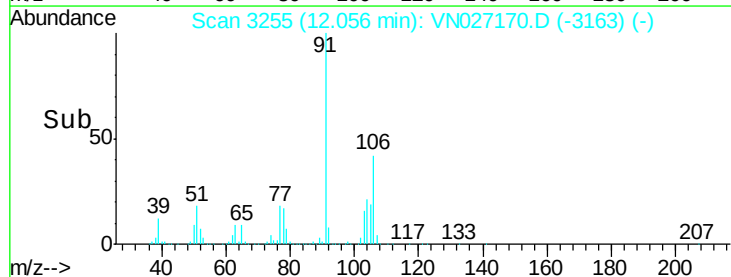
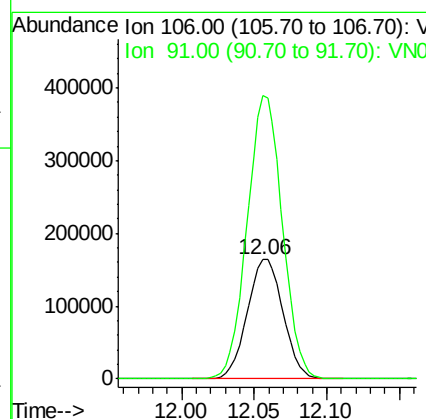
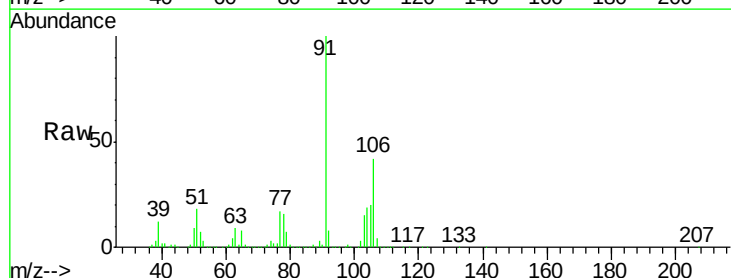
Manual Integrations
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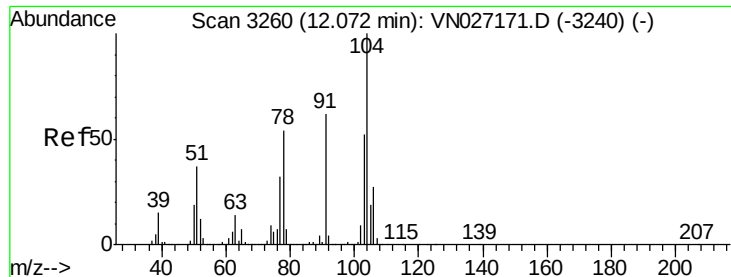
MMDadoda
9/16/2015 11:46:38 AM



#70
o-Xylene
Concen: 22.48 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		282760		
91	231.5	110.7	331.9		





#71

Stvrene

Concen: 22.31 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

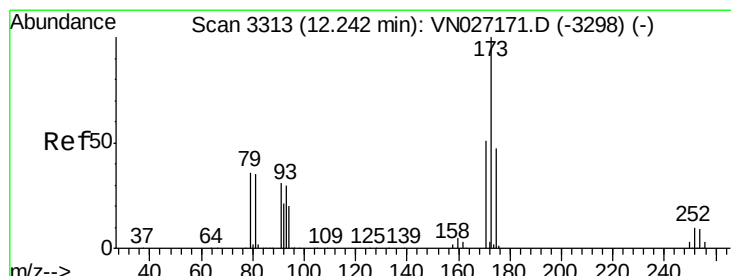
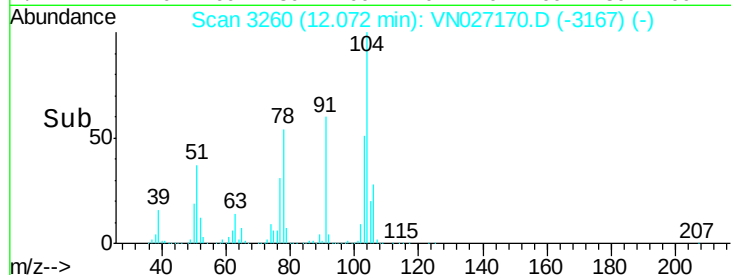
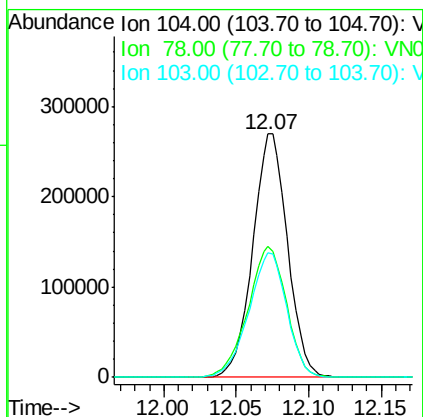
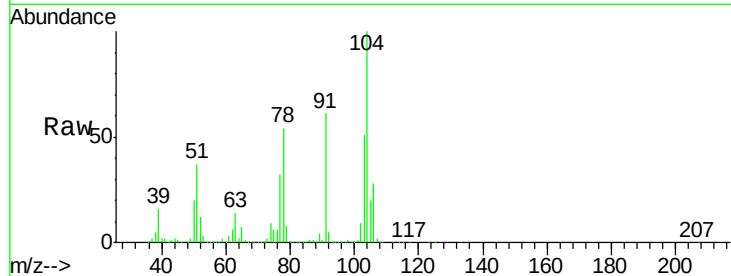
ClientSampleId :

VSTDIC020

Tot Ion:	104	Resp:	451081
Ion Ratio		Lower	Upper
104	100		
78	59.4	41.6	62.4
103	55.8	44.2	66.2

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#72

Bromoform

Concen: 21.15 ug/l

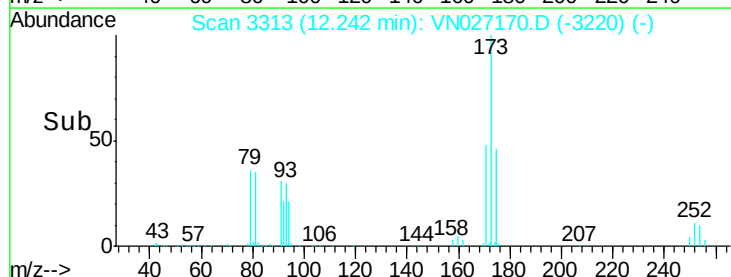
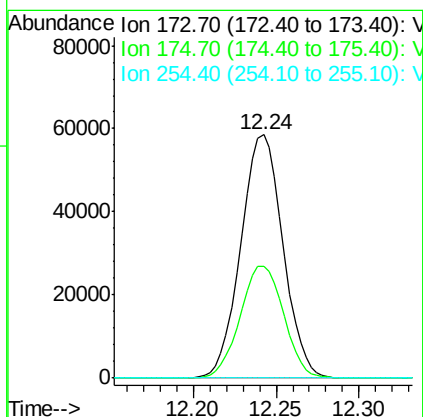
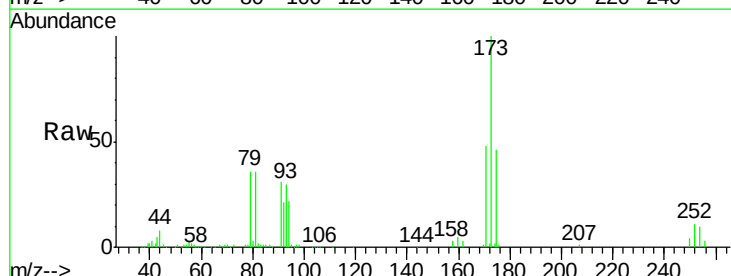
RT: 12.24 min Scan# 3313

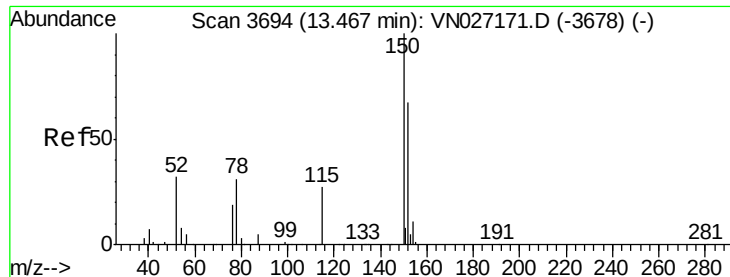
Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion:	173	Resp:	103342
Ion Ratio		Lower	Upper
173	100		
175	47.8	24.4	73.4
254	0.0	0.1	0.1#





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

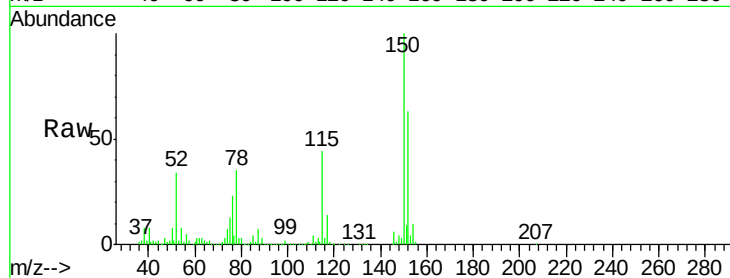
ClientSampled :

VSTDIC020

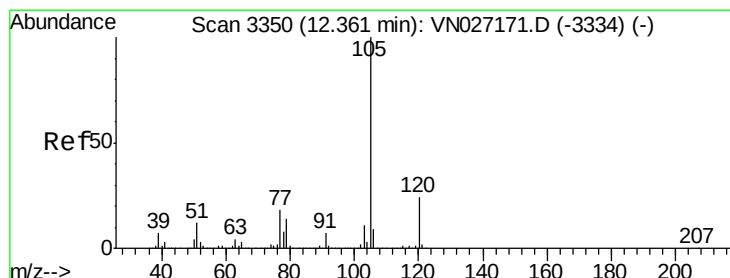
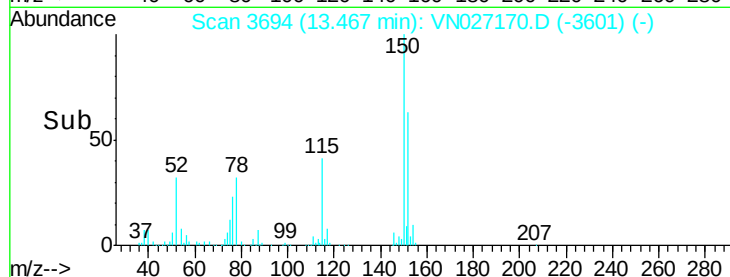
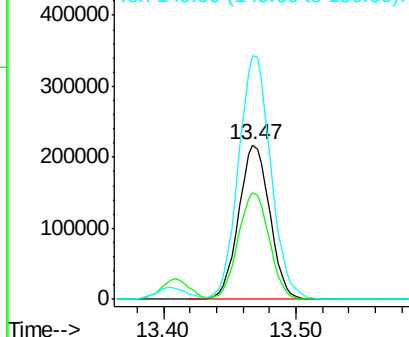
Tot Ion:	152	Resp:	352495
Ion Ratio	Lower	Upper	
152	100		
115	69.3	30.8	92.3
150	164.5	0.0	345.0

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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: 24.50 ug/l

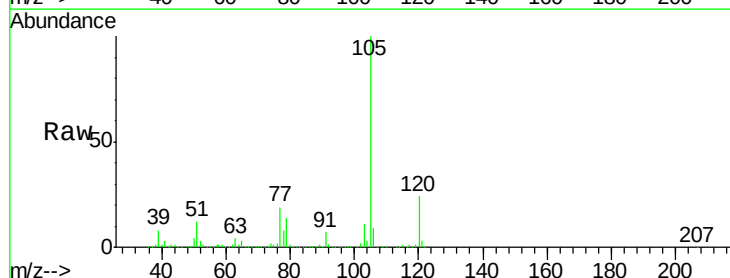
RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

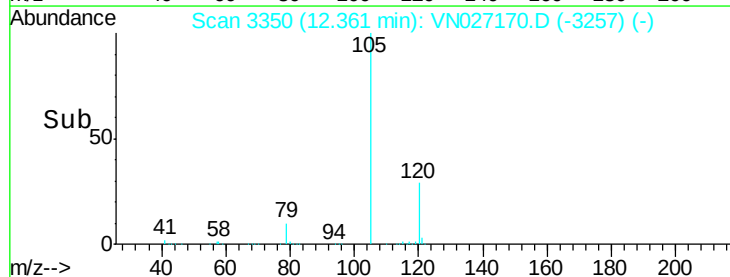
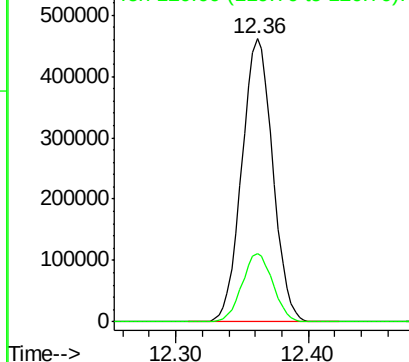
Lab File: VN027170.D

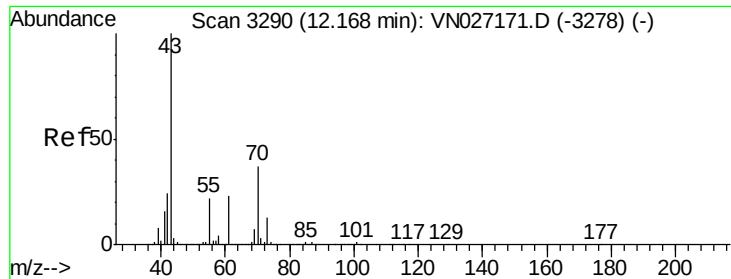
Acq: 15 Sep 2015 16:24

Tgt Ion:	105	Resp:	745172
Ion Ratio	Lower	Upper	
105	100		
120	24.1	12.4	37.2



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 36.70 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

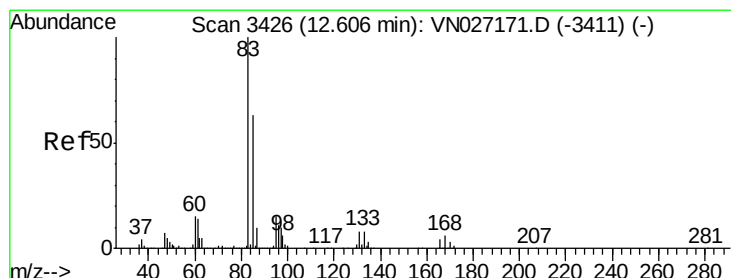
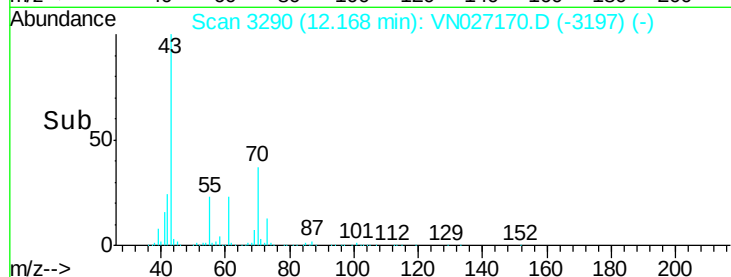
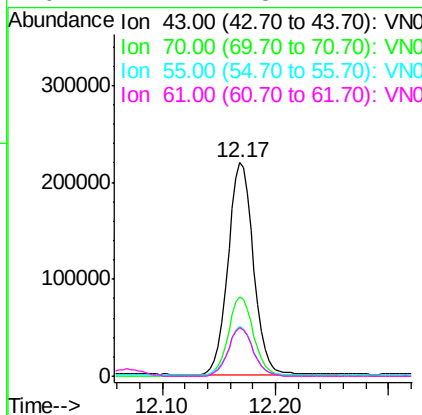
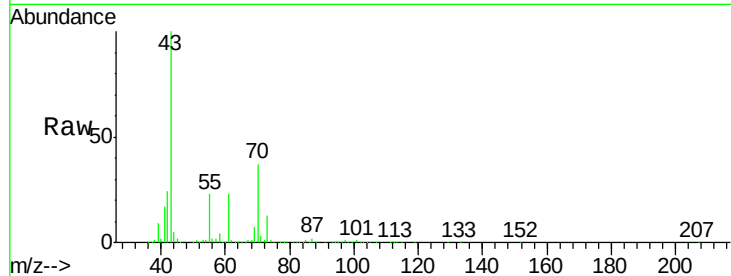
ClientSampleId :

VSTDIC020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		341601		
70	36.8	29.8	44.8		
55	22.4	19.4	29.0		
61	22.7	18.2	27.2		

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#76

1,1,2,2-Tetrachloroethane

Concen: 27.22 ug/l

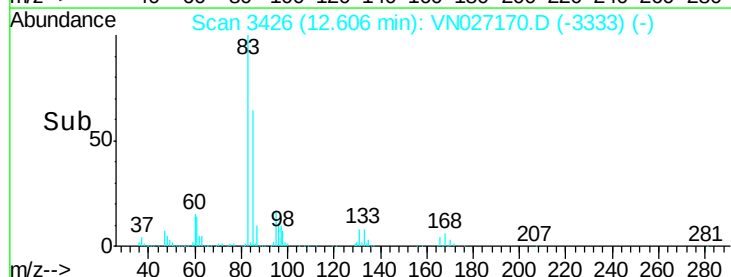
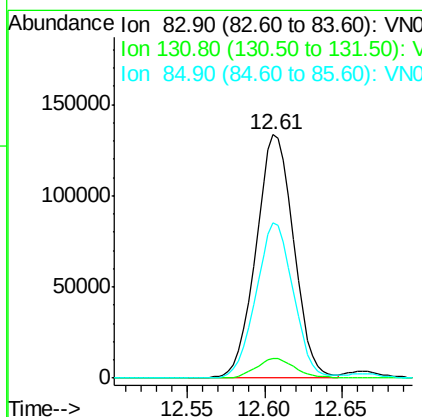
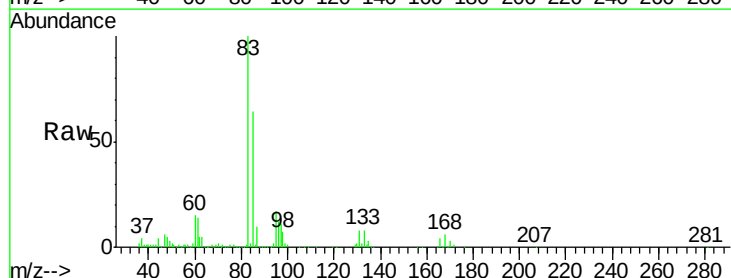
RT: 12.61 min Scan# 3426

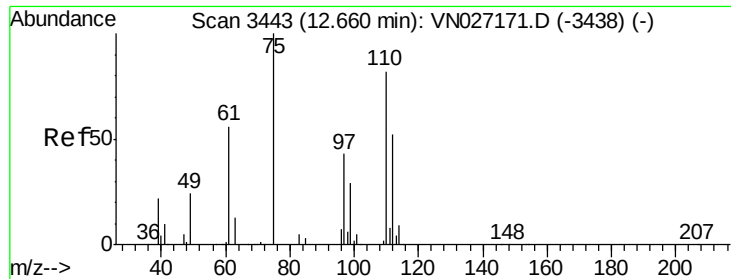
Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		224710		
131	8.5	4.1	12.3		
85	63.2	31.9	95.7		





#77

1,2,3-Trichloropropane

Concen: 29.97 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 75 Resp: 209073

Ion Ratio Lower Upper

75 100

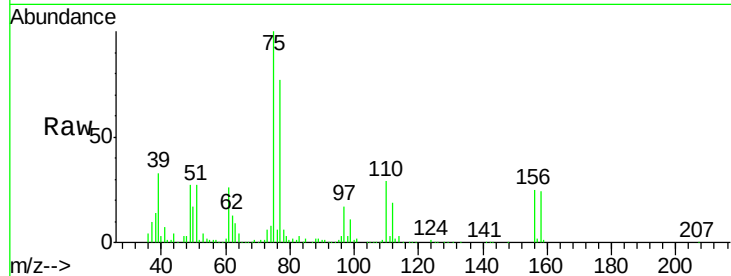
77 192.2 103.1 309.3

Manual Integrations

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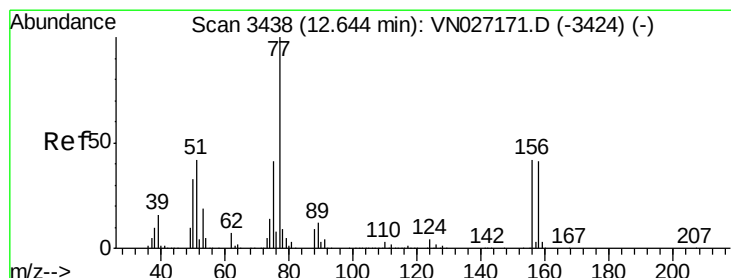
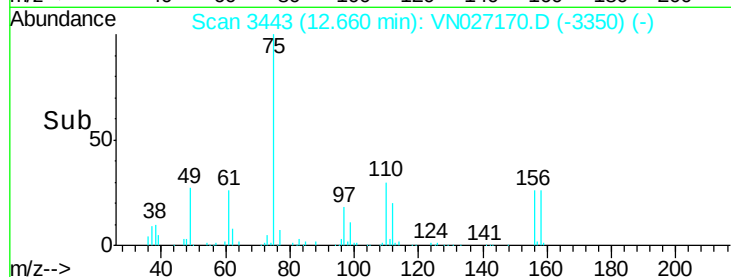
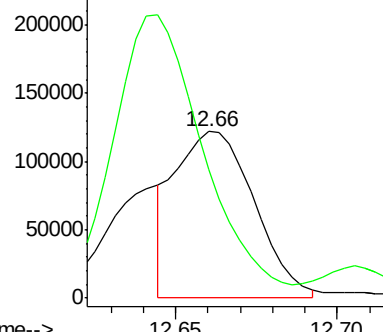
MMDadoda

9/16/2015 11:46:38 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

Bromobenzene

Concen: 19.77 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

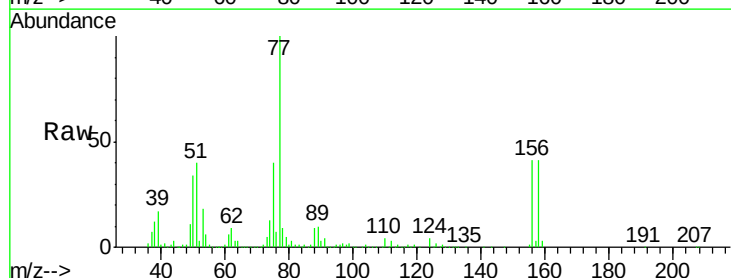
Tgt Ion: 156 Resp: 144877

Ion Ratio Lower Upper

156 100

77 277.4 127.3 381.9

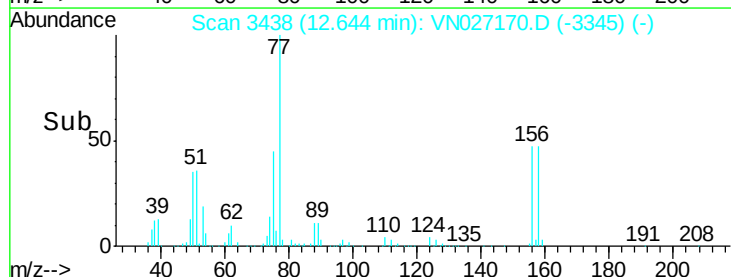
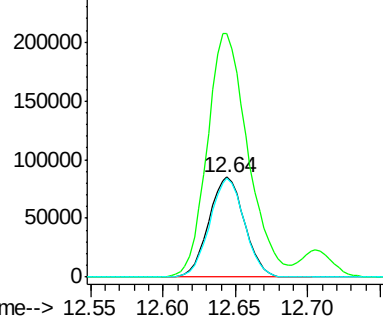
158 96.5 48.0 144.2

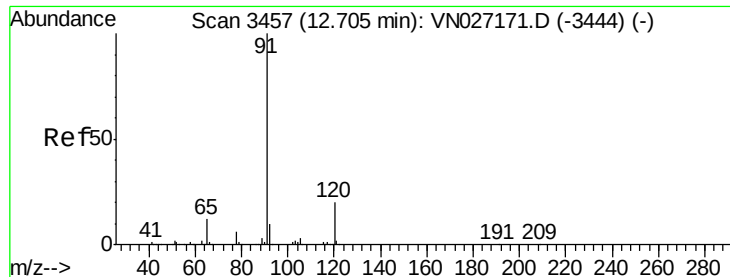


Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V





#79

n-propylbenzene

Concen: 26.09 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion: 91 Resp: 873303

Ion Ratio Lower Upper

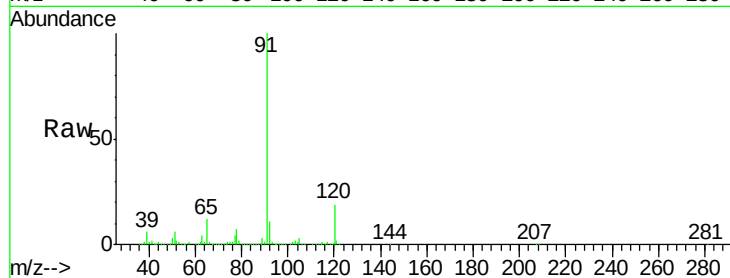
91 100

120 19.5 10.3 30.8

Manual Integrations
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MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

12.71

600000

500000

400000

300000

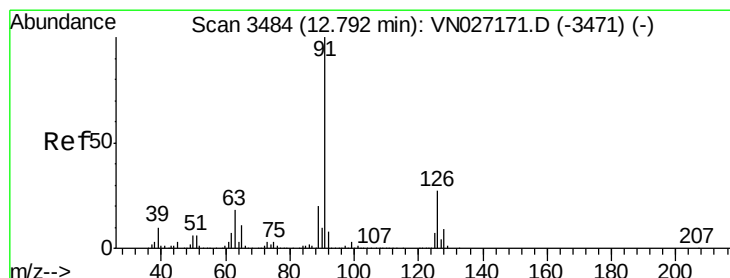
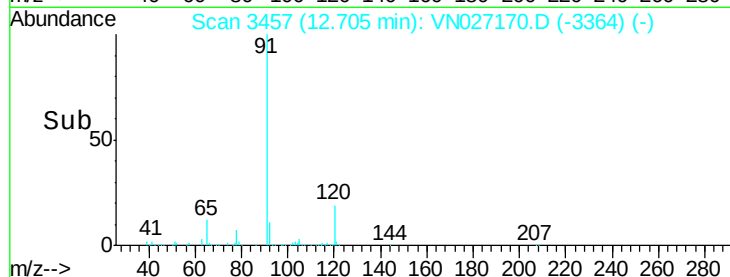
200000

100000

0

12.65 12.70 12.75

Time-->



#80

2-Chlorotoluene

Concen: 25.53 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027170.D

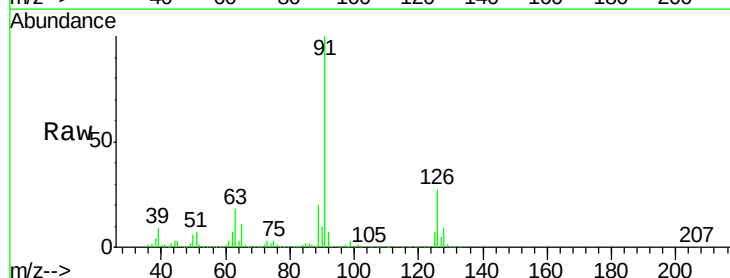
Acq: 15 Sep 2015 16:24

Tgt Ion: 91 Resp: 529030

Ion Ratio Lower Upper

91 100

126 27.7 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

12.79

500000

400000

300000

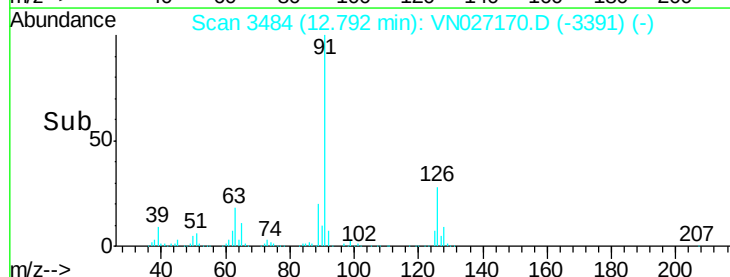
200000

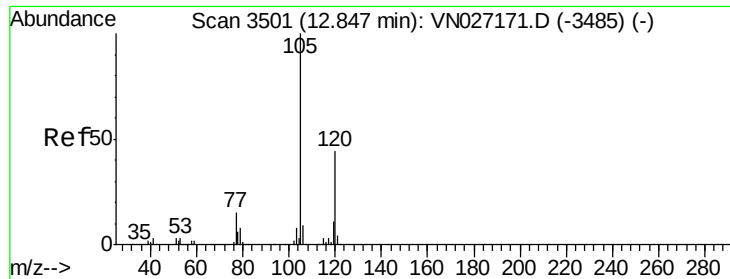
100000

0

12.75 12.80

Time-->





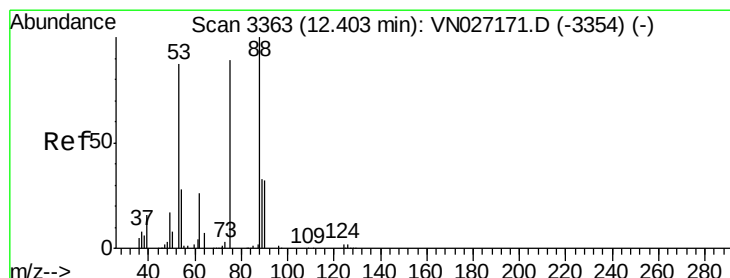
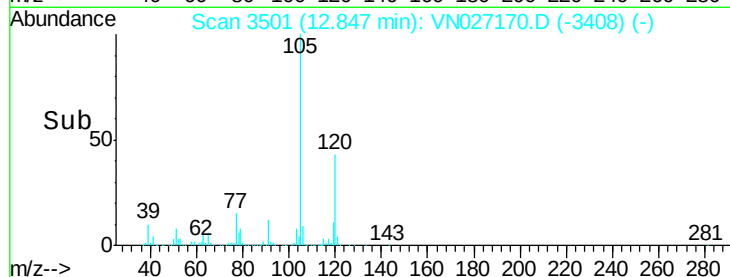
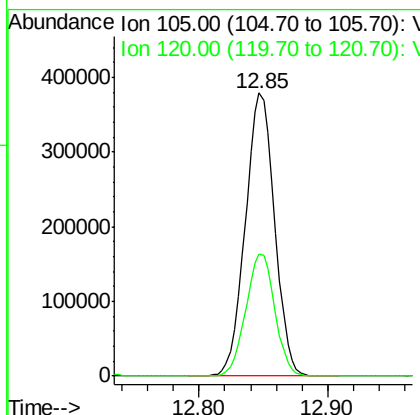
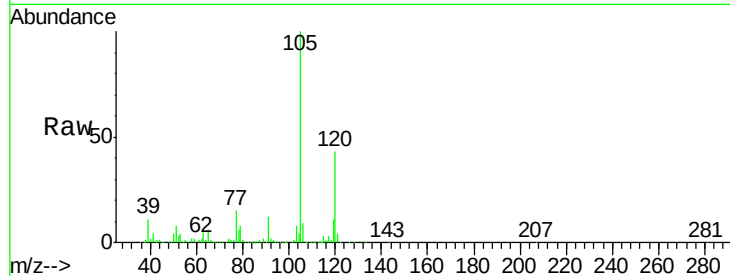
#81
 1,3,5-Trimethylbenzene
 Concen: 25.80 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.2	23.4	70.0

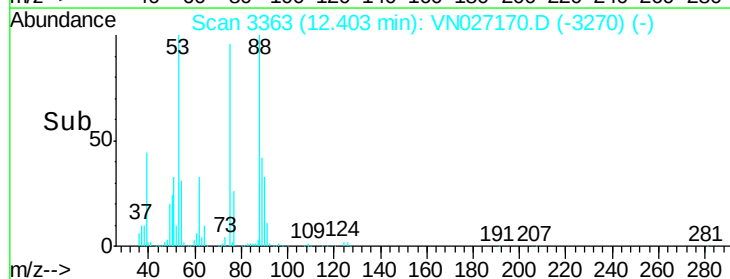
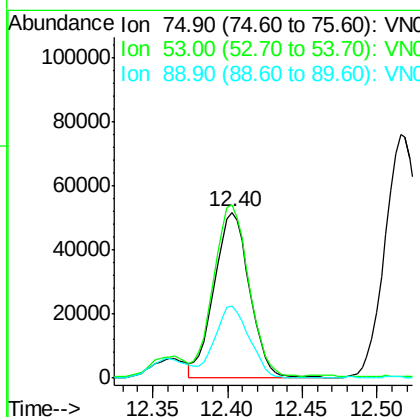
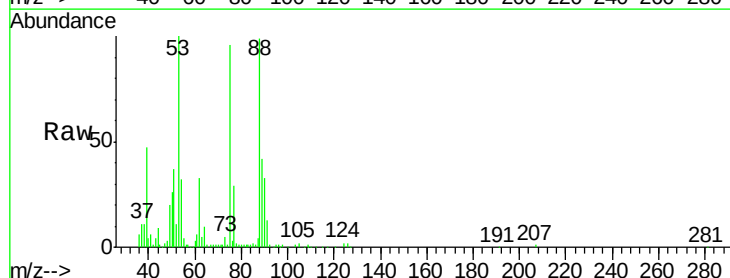
Manual Integrations
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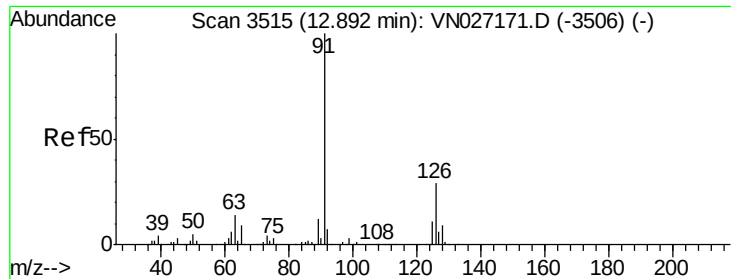
MMDadoda
 9/16/2015 11:46:38 AM



#82
 trans-1,4-Dichloro-2-butene
 Concen: 34.45 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Lower	Upper
75	100		
53	103.9	92.9	139.3
89	43.8	34.2	51.4





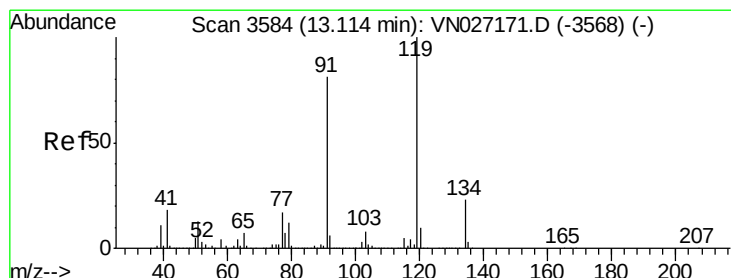
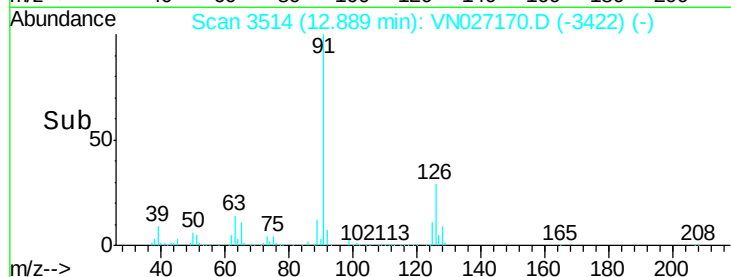
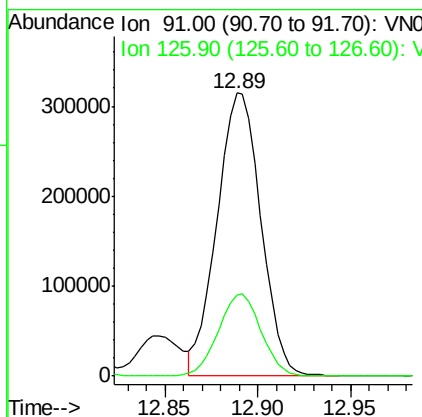
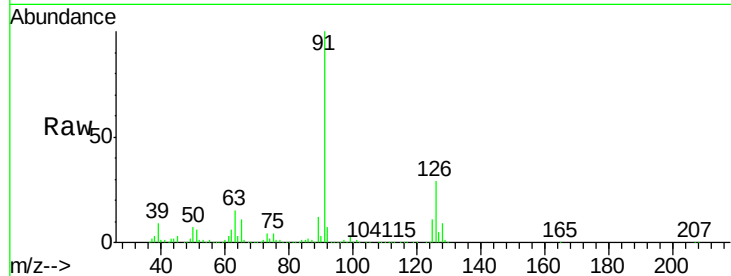
#83
4-Chlorotoluene
Concen: 25.56 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
91	100	512431		
126	28.4	14.9	44.5	

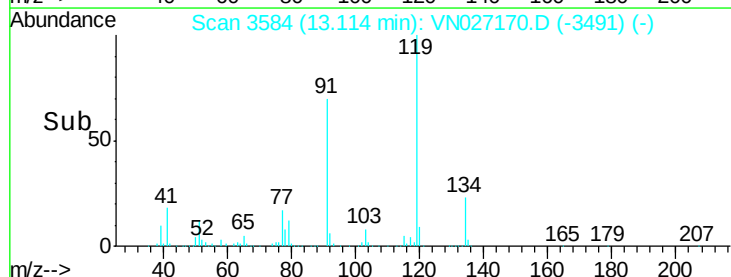
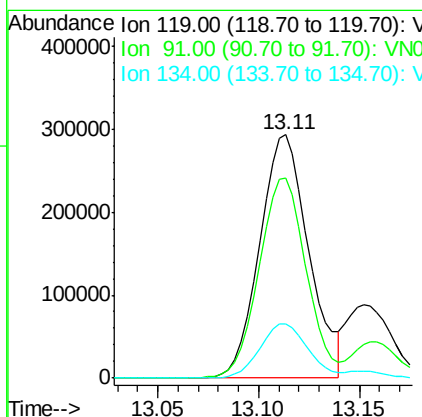
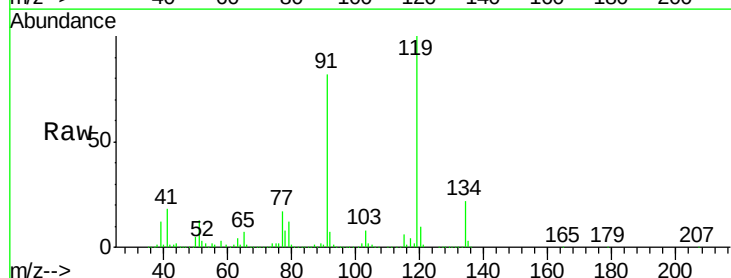
Manual Integrations
APPROVED

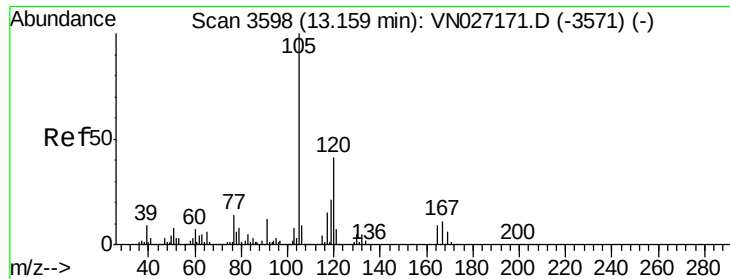
MMDadoda
9/16/2015 11:46:38 AM



#84
tert-Butylbenzene
Concen: 24.02 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027170.D
Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	496951		
91	78.7	34.6	103.8	
134	22.0	11.4	34.2	





#85

1,2,4-Trimethylbenzene

Concen: 25.50 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:105 Resp: 594195

Ion Ratio Lower Upper

105 100

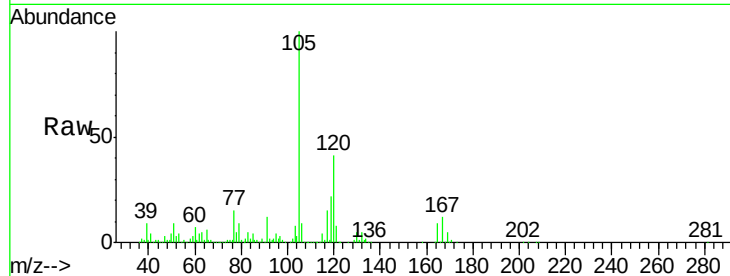
120 41.1 21.9 65.5

Manual Integrations

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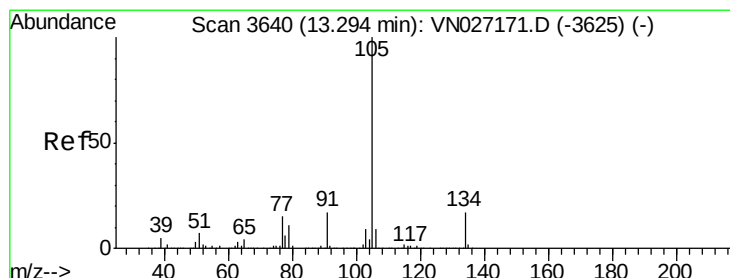
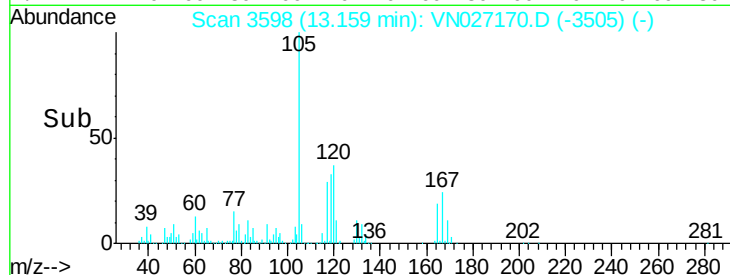
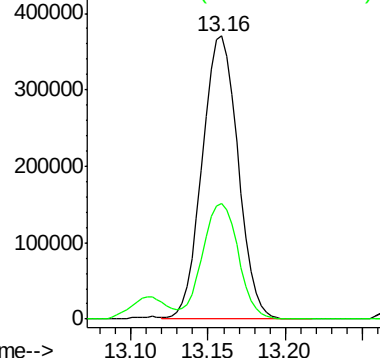
MMDadoda

9/16/2015 11:46:38 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#86

sec-Butylbenzene

Concen: 25.26 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027170.D

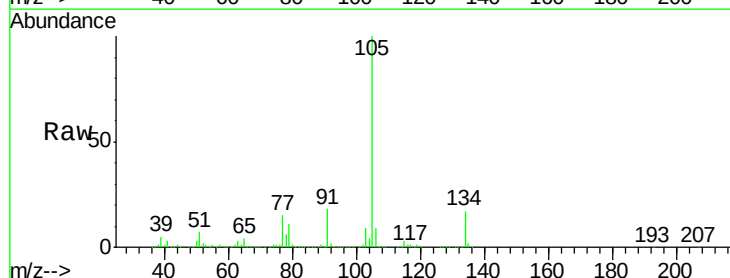
Acq: 15 Sep 2015 16:24

Tgt Ion:105 Resp: 721464

Ion Ratio Lower Upper

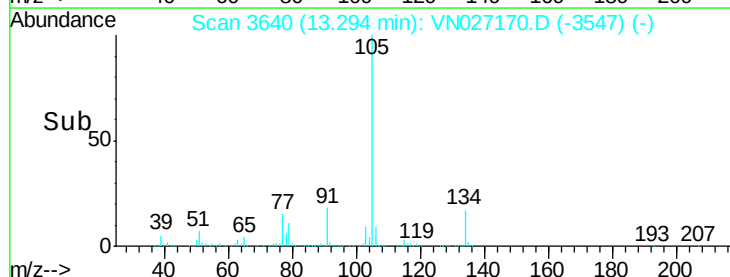
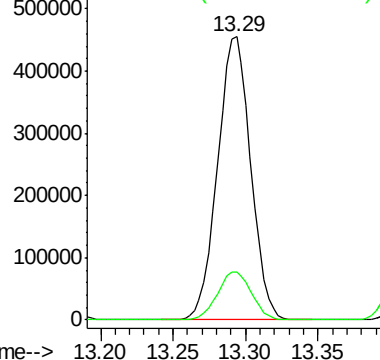
105 100

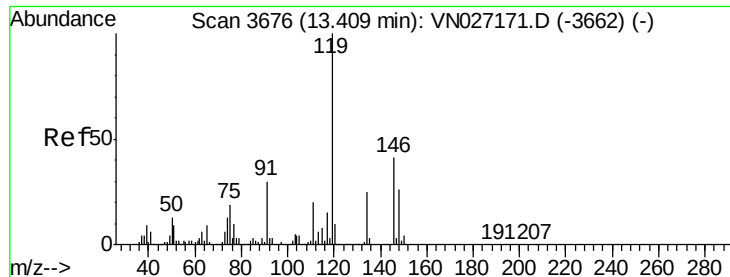
134 17.4 8.8 26.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





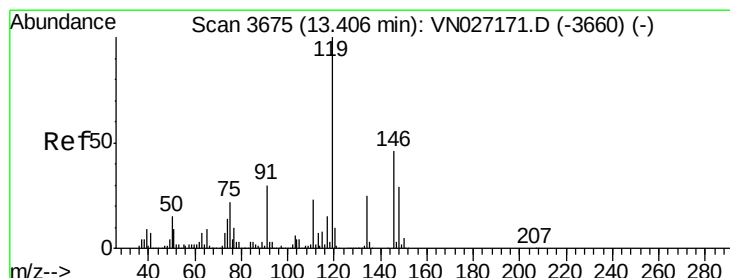
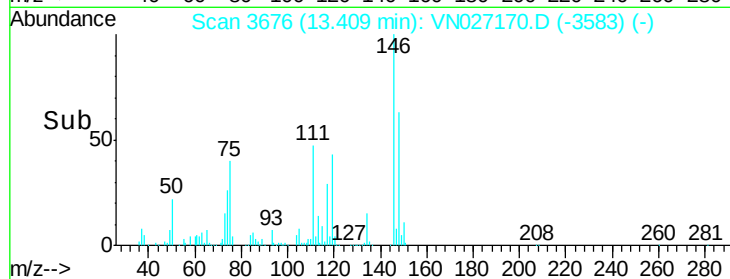
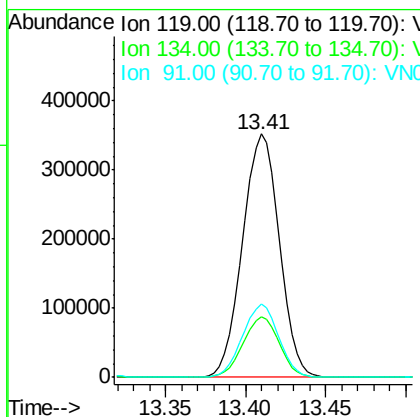
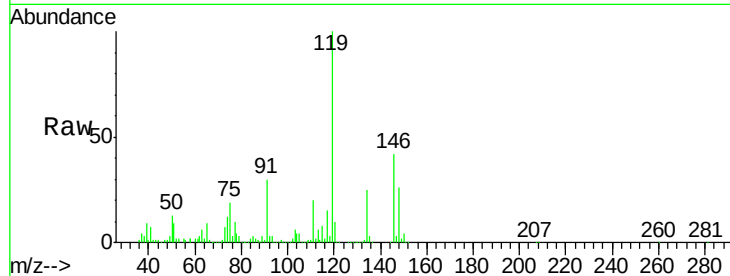
#87
 p-Isopropyltoluene
 Concen: 23.68 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion:	119	Resp:	550805
Ion Ratio	Lower	Upper	
119	100		
134	24.6	12.4	37.0
91	29.2	12.0	36.1

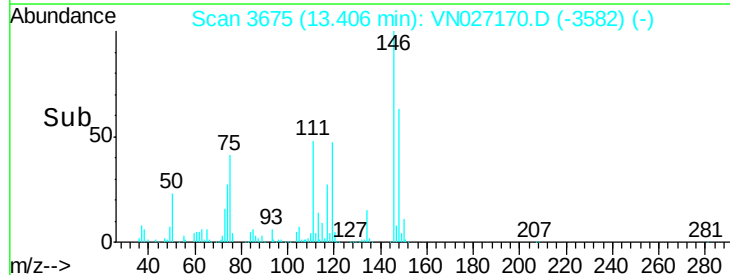
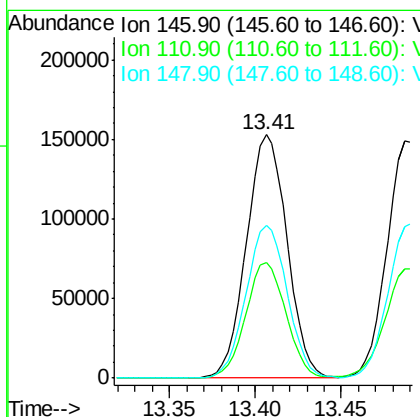
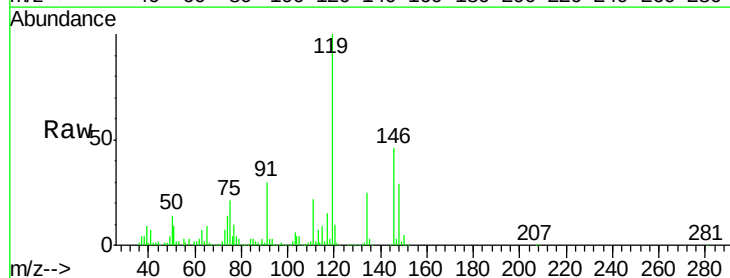
Manual Integrations
 APPROVED

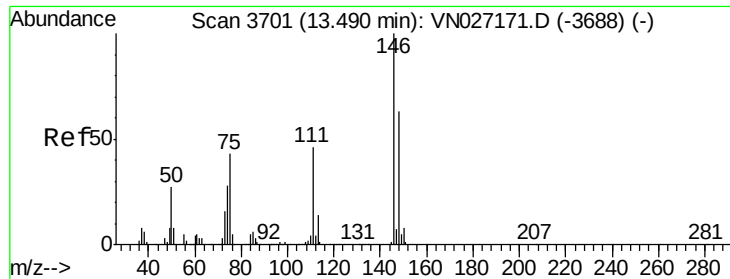
MMDadoda
 9/16/2015 11:46:38 AM



#88
 1,3-Dichlorobenzene
 Concen: 19.84 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion:	146	Resp:	251453
Ion Ratio	Lower	Upper	
146	100		
111	47.1	21.0	63.0
148	63.5	31.9	95.9





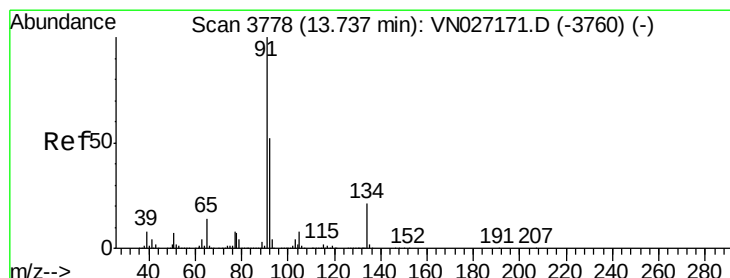
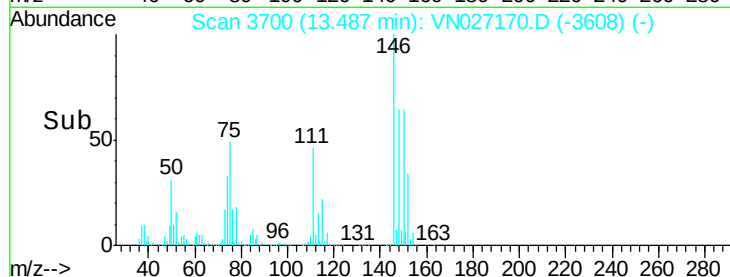
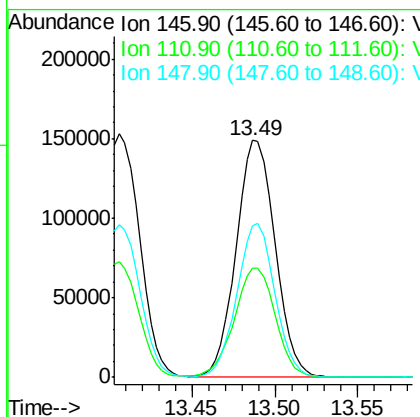
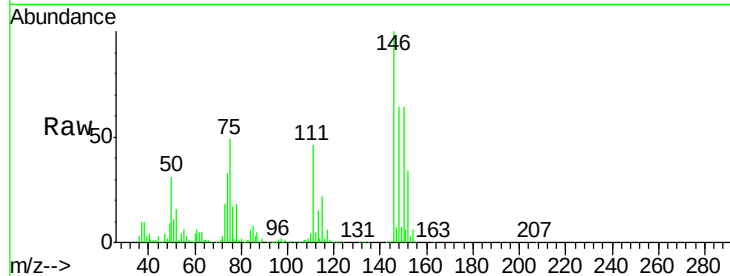
#89
 1,4-Dichlorobenzene
 Concen: 19.13 ug/l
 RT: 13.49 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC020

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.4	19.9	59.6
148	63.1	31.7	95.1

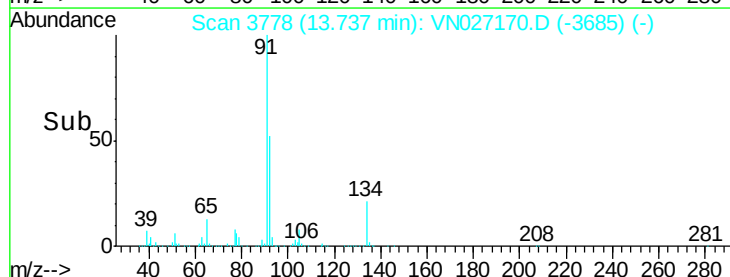
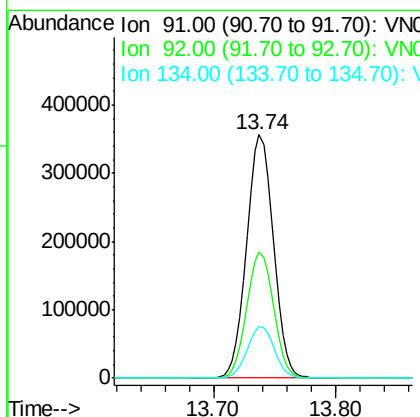
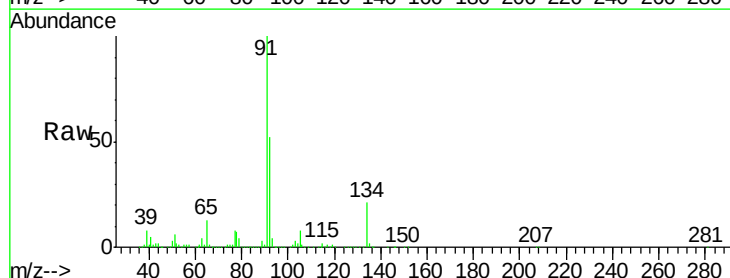
Manual Integrations
 APPROVED

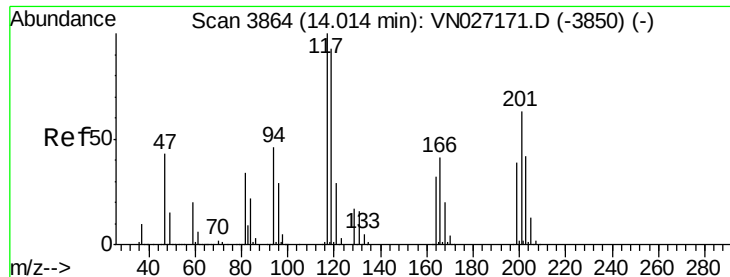
MMDadoda
 9/16/2015 11:46:38 AM



#90
 n-Butylbenzene
 Concen: 26.54 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	21.4	11.1	33.1





#91

Hexachloroethane

Concen: 26.27 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

ClientSampled :

VSTDIC020

Tot Ion:117 Resp: 121704

Ion Ratio Lower Upper

117 100

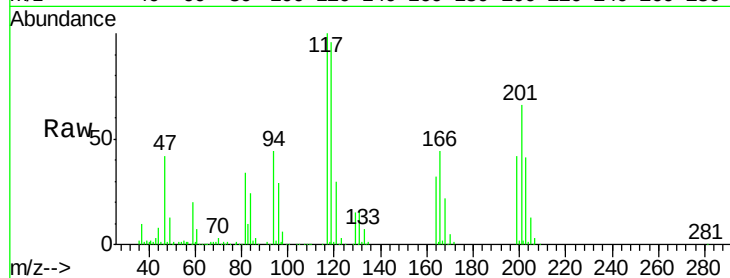
201 63.1 34.9 104.7

Manual Integrations

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MMDadoda

9/16/2015 11:46:38 AM



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.01

60000

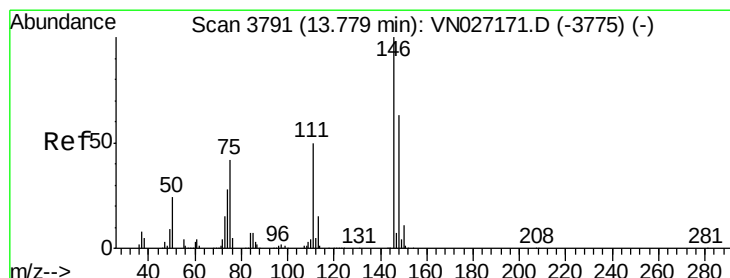
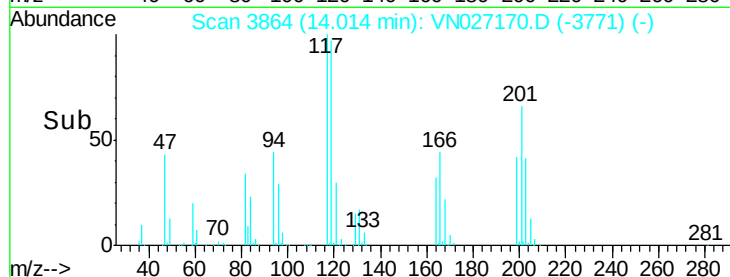
40000

20000

0

13.95 14.00 14.05

Time-->



#92

1,2-Dichlorobenzene

Concen: 20.28 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

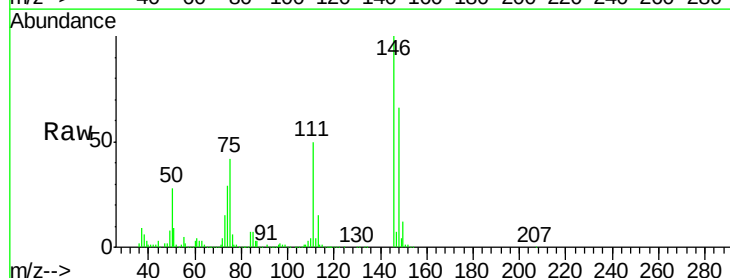
Tgt Ion:146 Resp: 253694

Ion Ratio Lower Upper

146 100

111 49.5 22.1 66.3

148 64.6 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

13.78

200000

150000

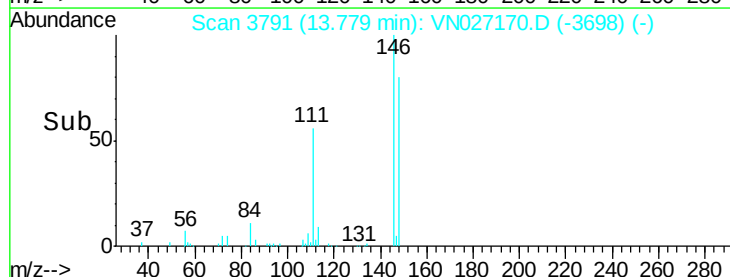
100000

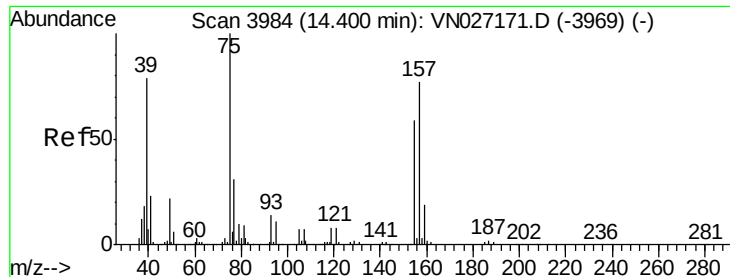
50000

0

13.70 13.80

Time-->





#93

1,2-Dibromo-3-Chloropropane

Concen: 36.74 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

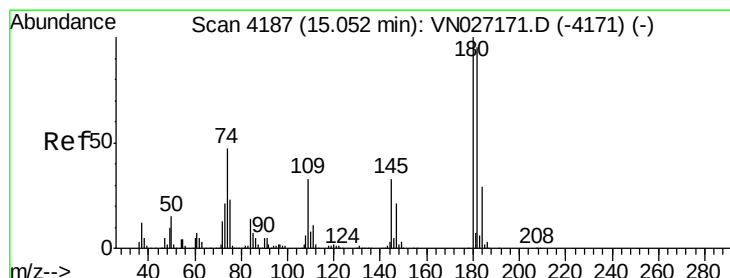
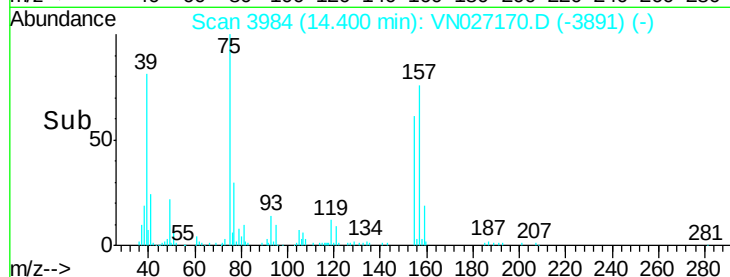
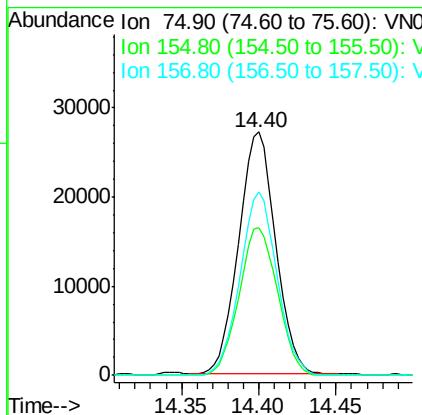
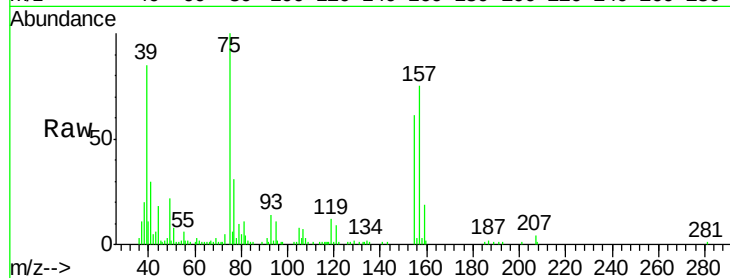
ClientSampleId :

VSTDIC020

Tot Ion:	75	Resp:	45163
Ion	Ratio	Lower	Upper
75	100		
155	63.3	35.6	106.9
157	75.6	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 21.07 ug/l

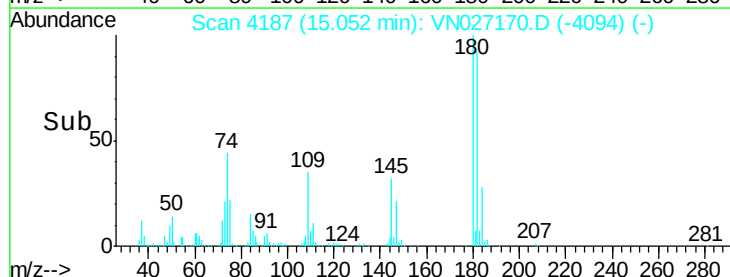
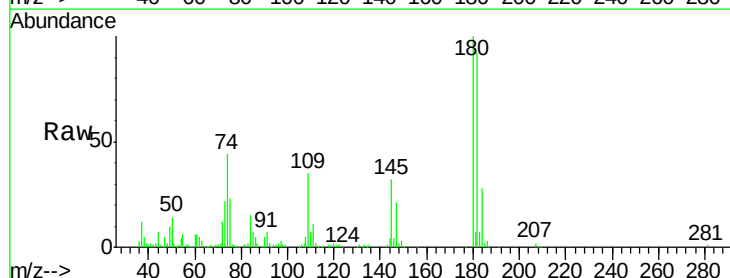
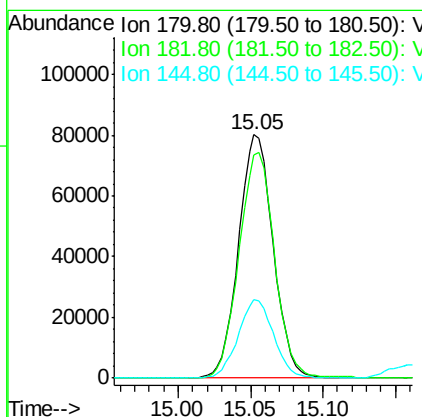
RT: 15.05 min Scan# 4187

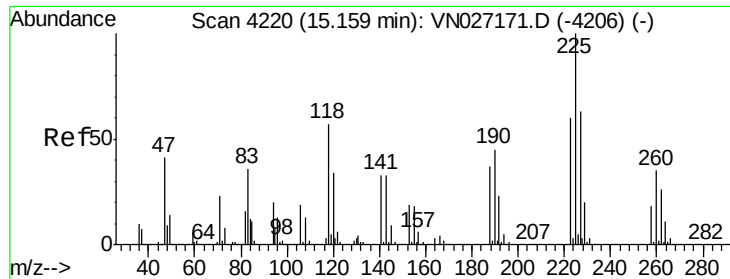
Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion:	180	Resp:	133062
Ion	Ratio	Lower	Upper
180	100		
182	95.2	47.5	142.5
145	33.1	15.1	45.3





#95

Hexachlorobutadiene

Concen: 20.82 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Instrument :

MSVOA_N

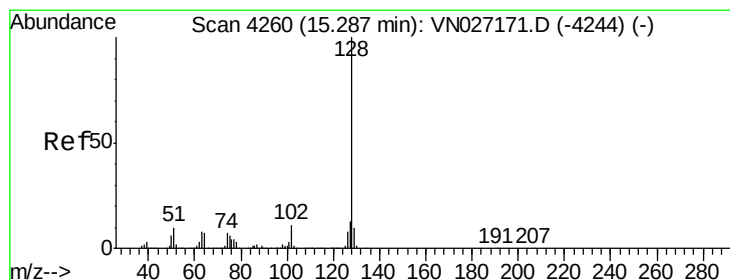
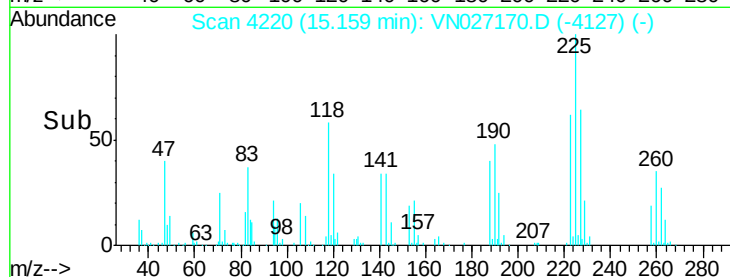
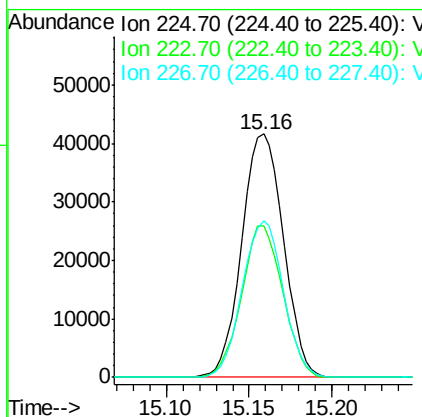
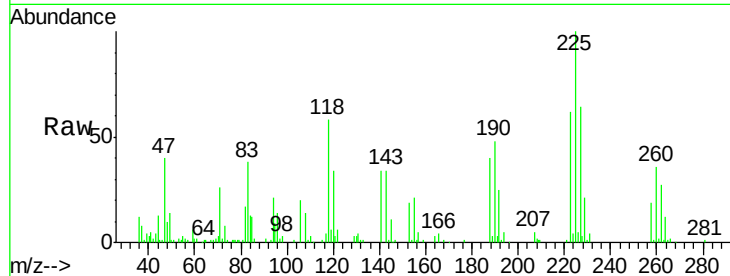
ClientSampled :

VSTDIC020

Tot Ion:	225	Resp:	72861
Ion Ratio	Lower	Upper	
225	100		
223	61.2	30.8	92.3
227	63.3	31.7	95.1

Manual Integrations
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#96

Naphthalene

Concen: 26.09 ug/l

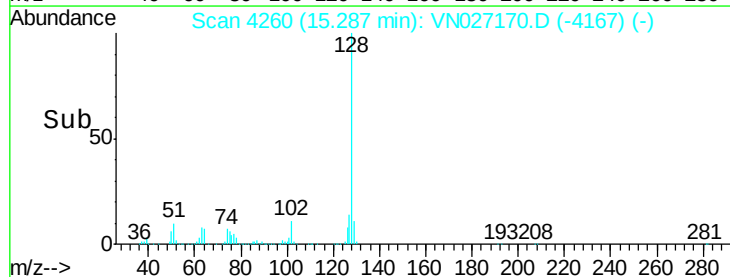
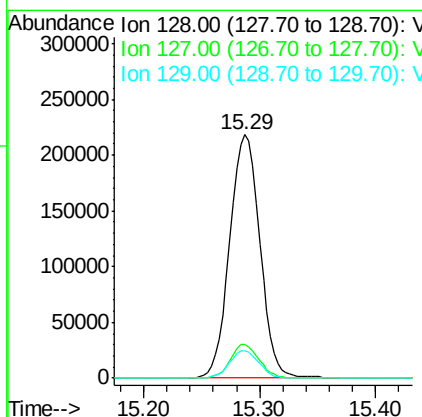
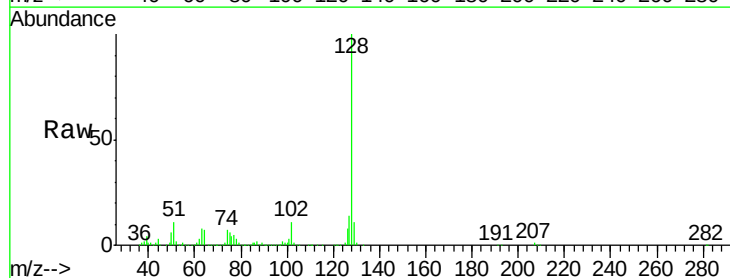
RT: 15.29 min Scan# 4260

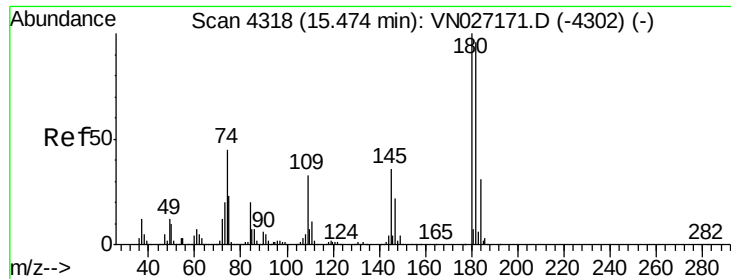
Delta R.T. 0.00 min

Lab File: VN027170.D

Acq: 15 Sep 2015 16:24

Tgt Ion:	128	Resp:	394315
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.4	15.6
129	11.0	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 21.02 ug/l
 RT: 15.47 min Scan# 4317
 Delta R.T. -0.00 min
 Lab File: VN027170.D
 Acq: 15 Sep 2015 16:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC020

Tot Ion	Ratio	Resp	Lower	Upper
180	100	131781		
182	95.2	48.8	146.4	
145	35.6	16.6	49.8	

Manual Integrations
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 9/16/2015 11:46:38 AM

