

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091715\
 Data File : VN027243.D
 Acq On : 17 Sep 2015 9:31
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 9/18/2015 12:17:32 PM

Quant Time: Sep 18 01:18:24 2015
 Quant Method : W:\HPCHEM1\MSVOA_N\METHODS\82N091515W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 21:12:09 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.75	168	589946	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1081383	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	926717	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	357832	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	563436	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	
36) Dibromofluoromethane	7.68	113	363221	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	
51) Toluene-d8	10.19	98	1444934	49.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.46%	
63) 4-Bromofluorobenzene	12.52	95	516418	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	335485	47.52	ug/l	100
3) Chlorodifluoromethane	1.81	51	412434	50.49	ug/l	94
4) Chloromethane	2.01	50	365563	46.32	ug/l	99
5) Vinyl Chloride	2.14	62	395822	47.48	ug/l	97
6) Bromomethane	2.54	94	146289	36.20	ug/l	99
7) Chloroethane	2.68	64	259865	45.85	ug/l	100
8) Trichlorofluoromethane	3.02	101	612382	48.63	ug/l	99
9) Diethyl Ether	3.42	74	267021	46.08	ug/l	85
10) 1,1,2-Trichlorotrifluoroet	3.79	101	395742	50.03	ug/l	97
11) Methyl Iodide	3.99	142	284609	37.02	ug/l	93
12) Tert butyl alcohol	4.80	59	254244	215.10	ug/l	99
13) 1,1-Dichloroethene	3.77	96	365752	48.29	ug/l	97
14) Acrolein	3.61	56	388399	279.72	ug/l	96
15) Allyl chloride	4.37	41	713900	46.66	ug/l #	83
16) Acrylonitrile	5.02	53	921836	238.49	ug/l	98
17) Acetone	3.82	43	987842	303.11	ug/l	96
18) Carbon Disulfide	4.11	76	1118846	45.36	ug/l	99
19) Methyl Acetate	4.36	43	1116070	47.28	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	1409879	46.36	ug/l	97
21) Methylene Chloride	4.60	84	442197	48.71	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	390229	47.63	ug/l	97
23) Diisopropyl ether	6.03	45	1521568	47.40	ug/l #	89
24) Vinyl Acetate	5.97	43	2590557	243.83	ug/l	98
25) 1,1-Dichloroethane	5.93	63	873274	46.83	ug/l	99
26) 2-Butanone	6.91	43	1237312	252.12	ug/l	97
27) 2,2-Dichloropropane	6.92	77	785556	48.55	ug/l	95
28) cis-1,2-Dichloroethene	6.92	96	459636	48.91	ug/l	95
29) Bromochloromethane	7.29	49	329769	45.56	ug/l	96
30) Tetrahydrofuran	7.31	42	727619	215.13	ug/l	91
31) Chloroform	7.46	83	830201	49.27	ug/l	99
32) Cyclohexane	7.77	56	841767	50.72	ug/l	94
33) 1,1,1-Trichloroethane	7.67	97	726615	48.37	ug/l	96
37) 1,1-Dichloropropene	7.89	75	638149	50.41	ug/l	98
38) Ethyl Acetate	7.01	43	526170	48.87	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	590231	49.60	ug/l	98
40) Methylcyclohexane	9.19	83	792209	51.39	ug/l	97
41) Benzene	8.14	78	1832515	49.62	ug/l	100
42) Methacrylonitrile	7.24	41	291714	47.67	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	717889	48.25	ug/l	96
44) Isopropyl Acetate	8.25	43	957618	47.34	ug/l	98
45) Trichloroethene	8.93	130	375108	50.56	ug/l	89
46) 1,2-Dichloropropane	9.21	63	509697	47.97	ug/l	99
47) Dibromomethane	9.31	93	300299	48.13	ug/l	94
48) Bromodichloromethane	9.49	83	639032	48.60	ug/l	99
49) Methyl methacrylate	9.29	41	469289	46.56	ug/l #	87
50) 1,4-Dioxane	9.30	88	110979	938.89	ug/l	97
52) 4-Methyl-2-Pentanone	10.07	43	2456473	229.68	ug/l	99
53) Toluene	10.26	92	1080438	49.94	ug/l	99
54) t-1,3-Dichloropropene	10.47	75	712381	48.25	ug/l	98
55) cis-1,3-Dichloropropene	9.93	75	771323	48.02	ug/l	92
56) 1,1,2-Trichloroethane	10.66	97	398860	49.06	ug/l	98
57) Ethyl methacrylate	10.52	69	655646	47.85	ug/l #	90
58) 1,3-Dichloropropane	10.81	76	742574	49.20	ug/l	99
59) 2-Chloroethyl Vinyl ether	9.78	63	1676028	266.41	ug/l	98
60) 2-Hexanone	10.84	43	1743609	239.45	ug/l	100
61) Dibromochloromethane	11.00	129	398252	47.96	ug/l	99
62) 1,2-Dibromoethane	11.11	107	389471	48.75	ug/l	99
65) Tetrachloroethene	10.74	164	298436	50.36	ug/l	96
66) Chlorobenzene	11.54	112	1078289	49.29	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	362344	48.55	ug/l	99
68) Ethyl Benzene	11.62	91	2078868	50.11	ug/l	99
69) m/p-Xylenes	11.73	106	1447951	101.16	ug/l	91
70) o-Xylene	12.06	106	715747	49.88	ug/l	93
71) Styrene	12.07	104	1185811	51.19	ug/l	96
72) Bromoform	12.24	173	243794	46.98	ug/l #	100
74) Isopropylbenzene	12.36	105	1931849	48.99	ug/l	99
75) N-amyl acetate	12.17	43	801169	45.53	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	517195	50.87	ug/l	100
77) 1,2,3-Trichloropropane	12.66	75	454369m	42.01	ug/l	
78) Bromobenzene	12.64	156	373733	48.33	ug/l	94
79) n-propylbenzene	12.71	91	2349112	50.64	ug/l	98
80) 2-Chlorotoluene	12.79	91	1382641	49.63	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1580103	49.88	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	193929	44.05	ug/l	92
83) 4-Chlorotoluene	12.89	91	1395998	51.00	ug/l	96
84) tert-Butylbenzene	13.11	119	1267249	48.49	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	1570046	49.35	ug/l	95
86) sec-Butylbenzene	13.29	105	1923204	50.23	ug/l	99
87) p-Isopropyltoluene	13.41	119	1486664	50.41	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	670807	50.70	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	664365	49.57	ug/l	95
90) n-Butylbenzene	13.74	91	1528012	53.39	ug/l	99
91) Hexachloroethane	14.01	117	301808	46.76	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	652357	49.89	ug/l	97

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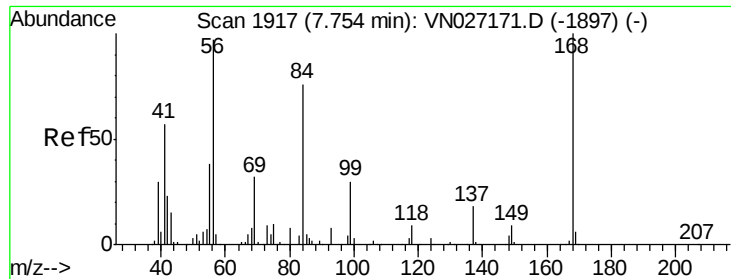
Manual Integrations
APPROVED

MMDadoda
9/18/2015 12:17:32 PM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	102448	45.36	ug/l	89
94) 1,2,4-Trichlorobenzene	15.05	180	373309	52.85	ug/l	98
95) Hexachlorobutadiene	15.16	225	193954	52.13	ug/l	99
96) Naphthalene	15.29	128	1023679	49.43	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	362050	51.56	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 589946

Ion Ratio Lower Upper

168 100

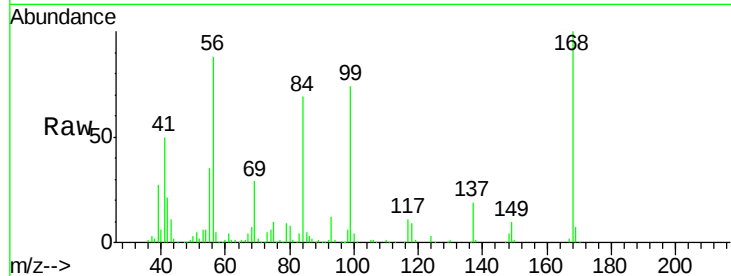
99 73.5 50.4 75.6

Manual Integrations

APPROVED

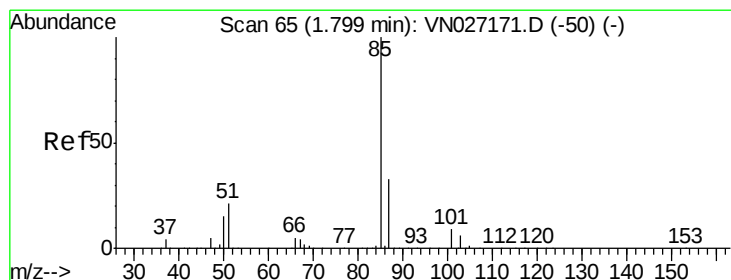
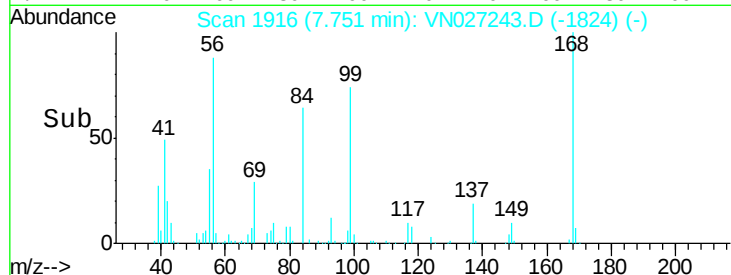
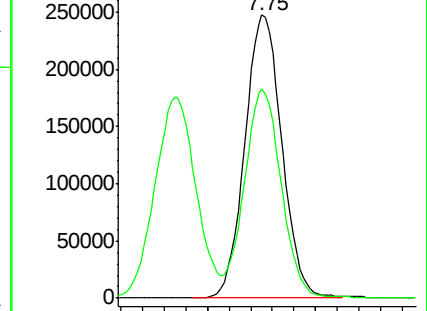
MMDadoda

9/18/2015 12:17:32 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 47.52 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027243.D

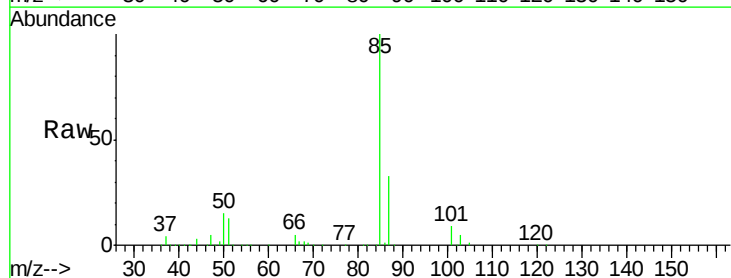
Acq: 17 Sep 2015 9:31

Tgt Ion: 85 Resp: 335485

Ion Ratio Lower Upper

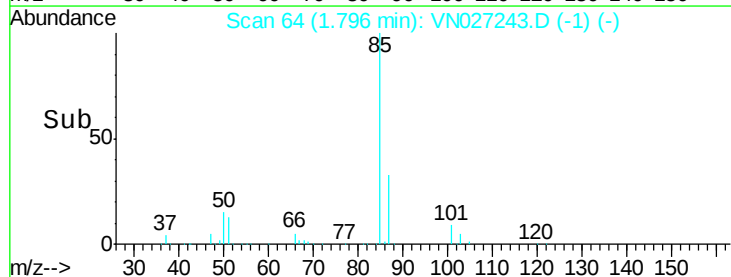
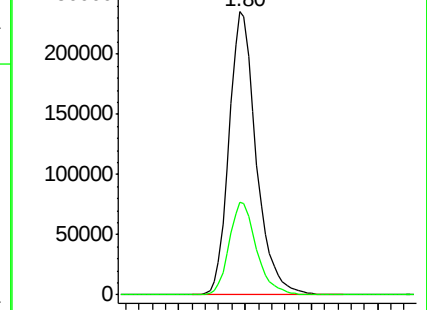
85 100

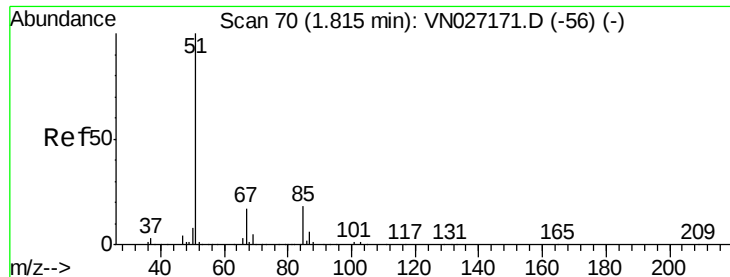
87 32.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 50.49 ug/l

RT: 1.81 min Scan# 69

Delta R.T. -0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 51 Resp: 412434

Ion Ratio Lower Upper

51 100

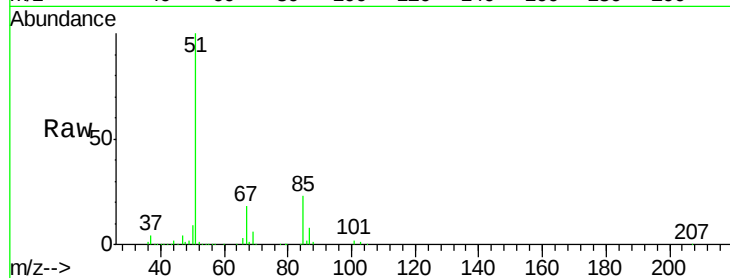
67 17.7 12.2 18.2

Manual Integrations

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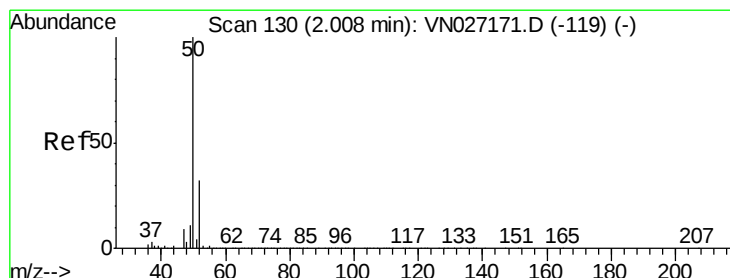
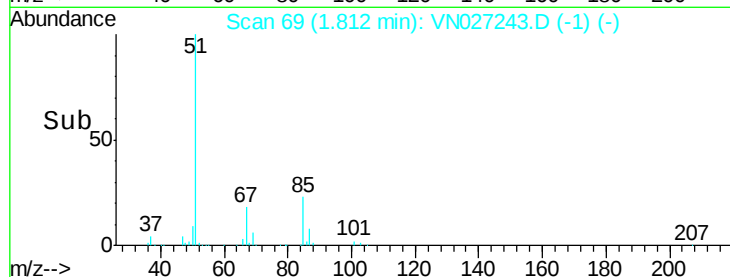
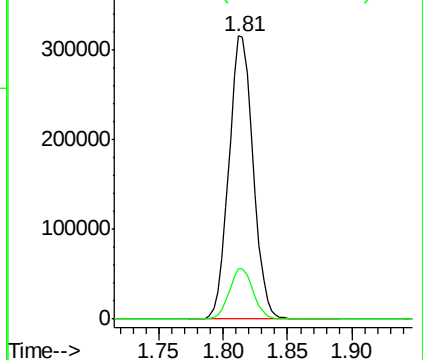
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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 46.32 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027243.D

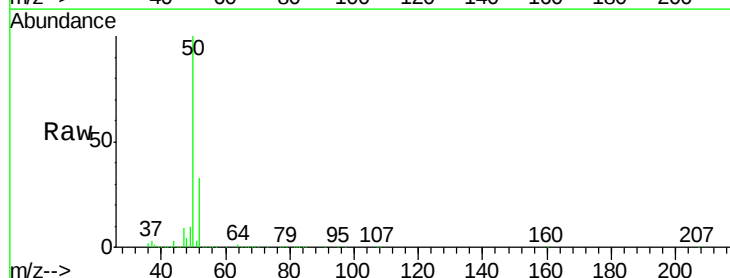
Acq: 17 Sep 2015 9:31

Tgt Ion: 50 Resp: 365563

Ion Ratio Lower Upper

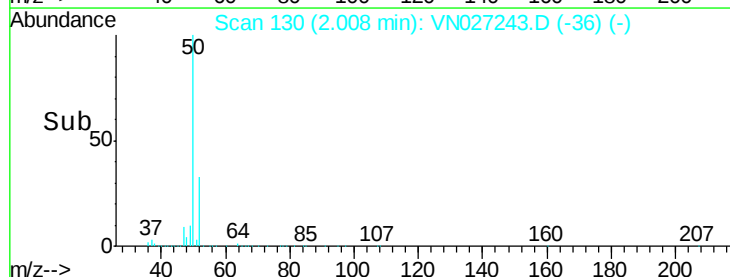
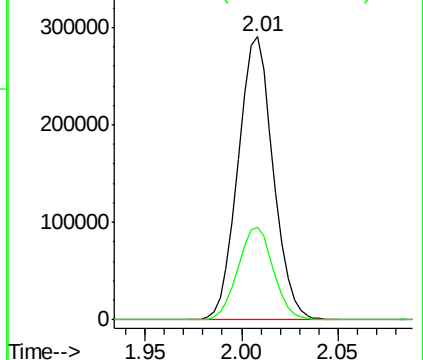
50 100

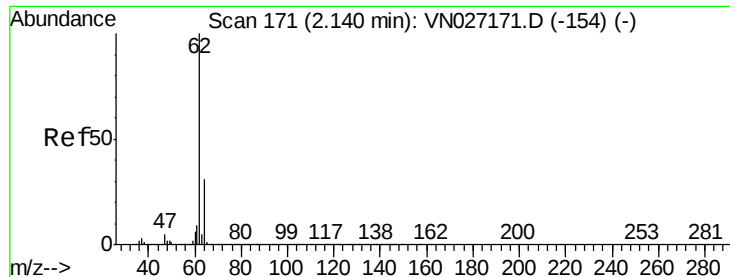
52 32.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 47.48 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 62 Resp: 395822

Ion Ratio Lower Upper

62 100

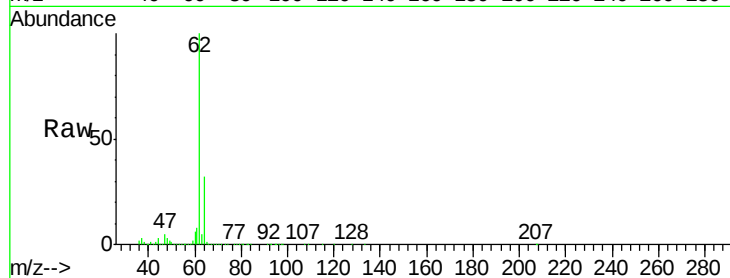
64 31.0 25.9 38.9

Manual Integrations

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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.14

250000

200000

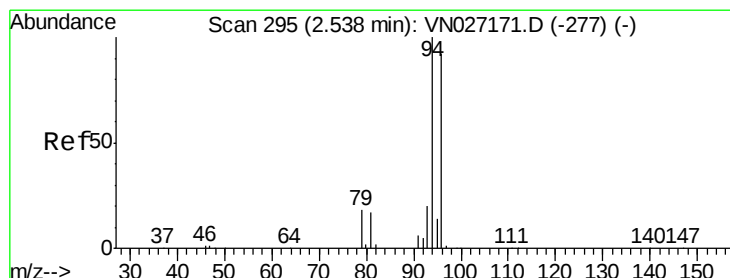
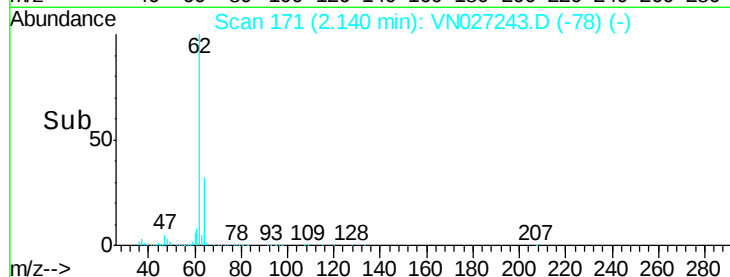
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 36.20 ug/l

RT: 2.54 min Scan# 295

Delta R.T. 0.00 min

Lab File: VN027243.D

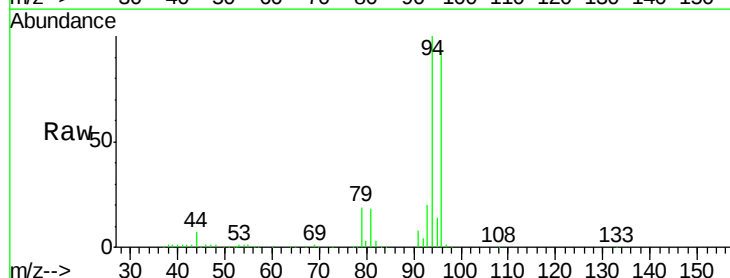
Acq: 17 Sep 2015 9:31

Tgt Ion: 94 Resp: 146289

Ion Ratio Lower Upper

94 100

96 92.5 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

80000

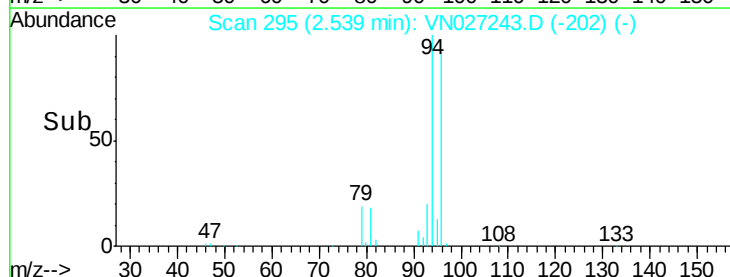
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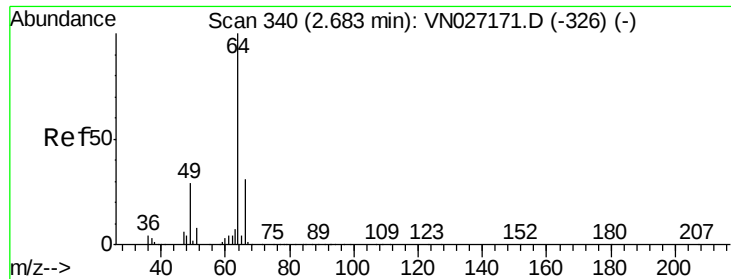
40000

20000

0

Time-->





#7

Chloroethane

Concen: 45.85 ug/l

RT: 2.68 min Scan# 340

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 64 Resp: 259865

Ion Ratio Lower Upper

64 100

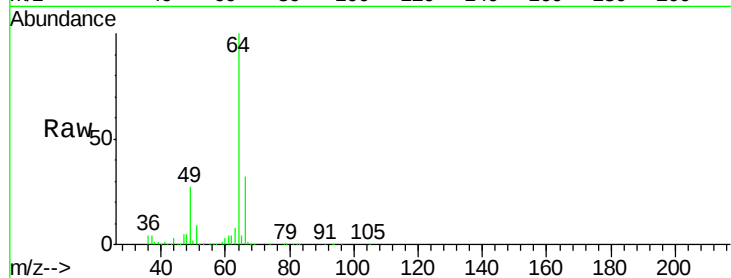
66 32.0 25.5 38.3

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

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

2.68

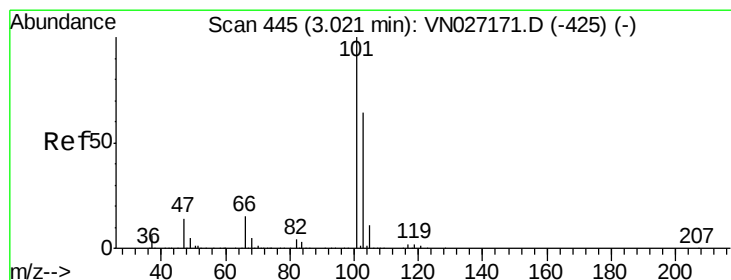
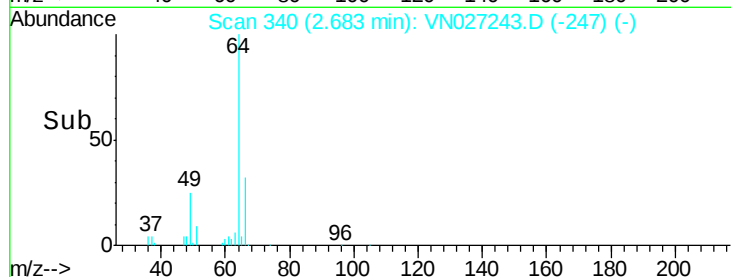
150000

100000

50000

0

Time-->



#8

Trichlorofluoromethane

Concen: 48.63 ug/l

RT: 3.02 min Scan# 445

Delta R.T. 0.00 min

Lab File: VN027243.D

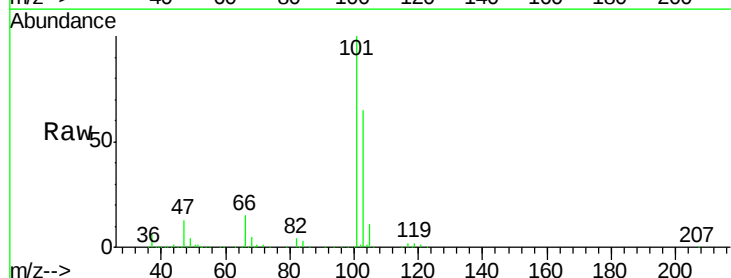
Acq: 17 Sep 2015 9:31

Tgt Ion: 101 Resp: 612382

Ion Ratio Lower Upper

101 100

103 65.3 52.6 79.0



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

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

3.02

300000

250000

200000

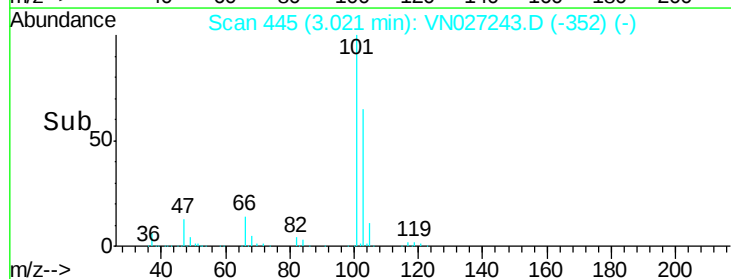
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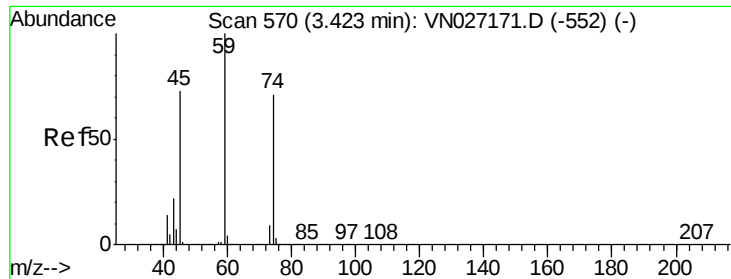
100000

50000

0

Time-->





#9

Diethyl Ether

Concen: 46.08 ug/l

RT: 3.42 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 74 Resp: 267021

Ion Ratio Lower Upper

74 100

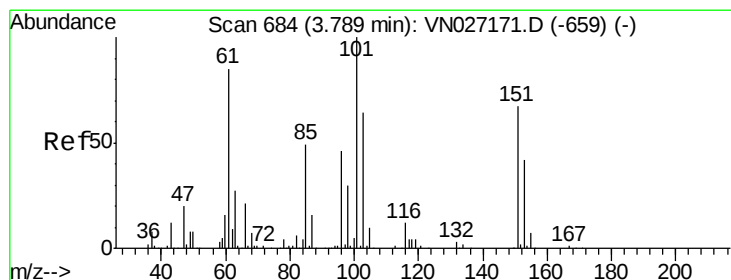
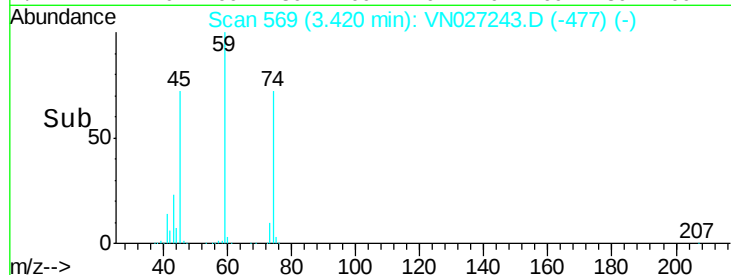
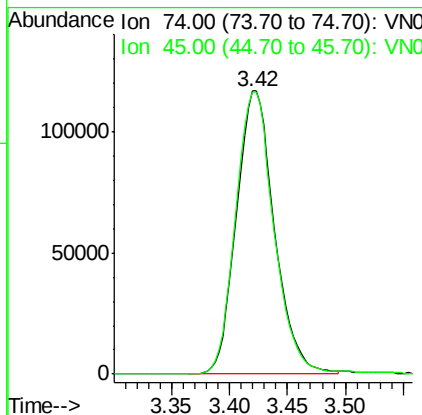
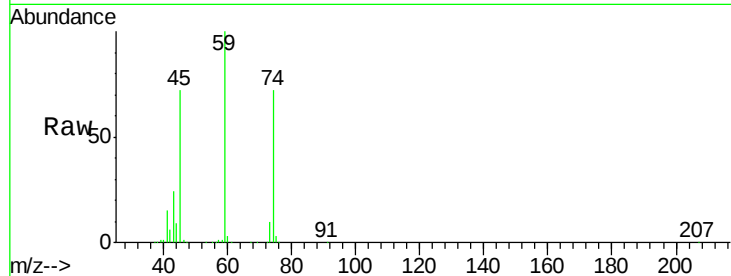
45 99.7 58.1 174.3

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 50.03 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

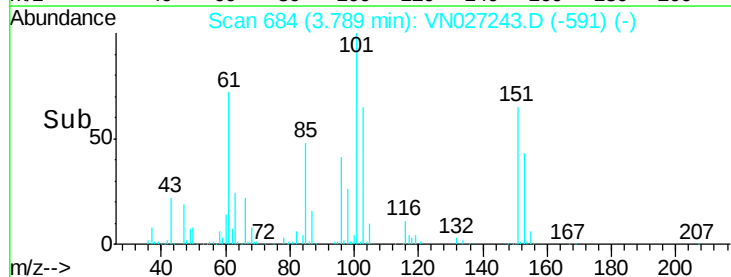
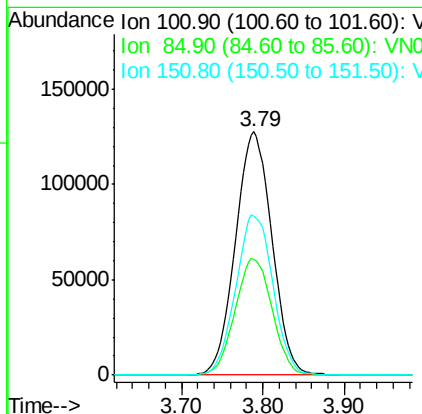
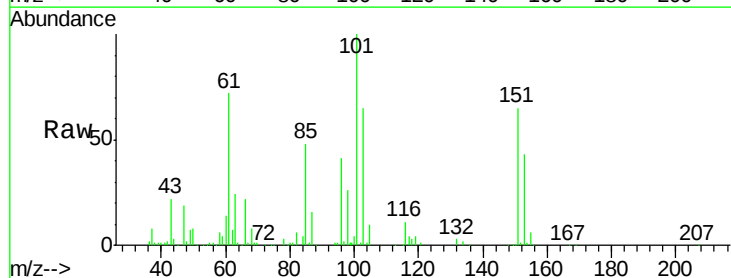
Tgt Ion: 101 Resp: 395742

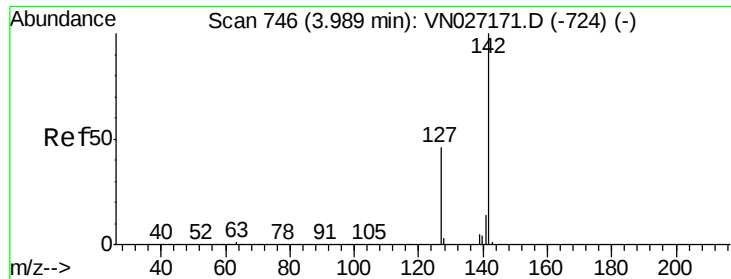
Ion Ratio Lower Upper

101 100

85 48.6 37.4 56.0

151 67.1 55.9 83.9





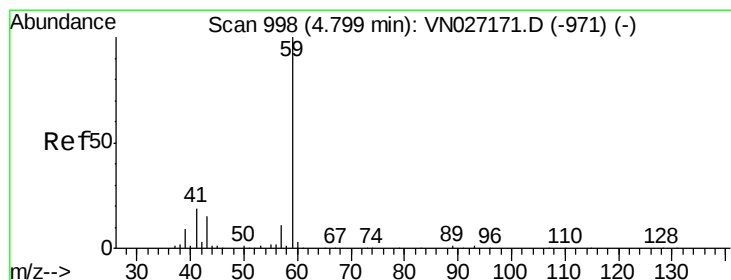
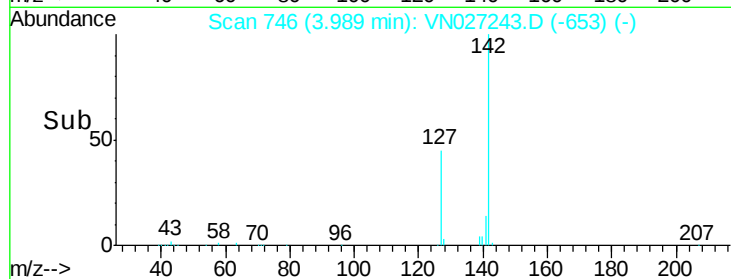
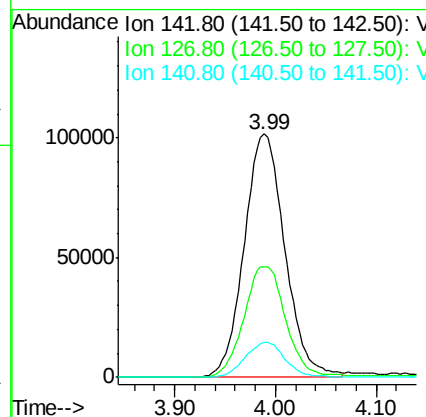
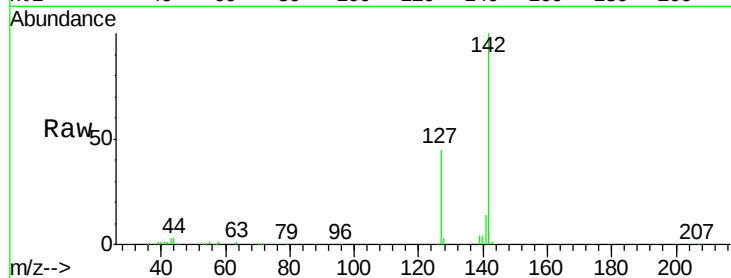
#11
Methvl Iodide
Concen: 37.02 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.4	32.3	48.5
141	14.3	11.2	16.8

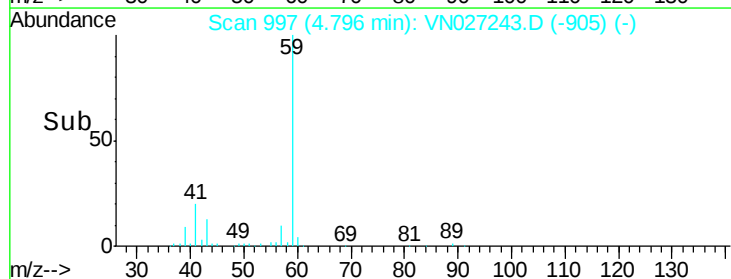
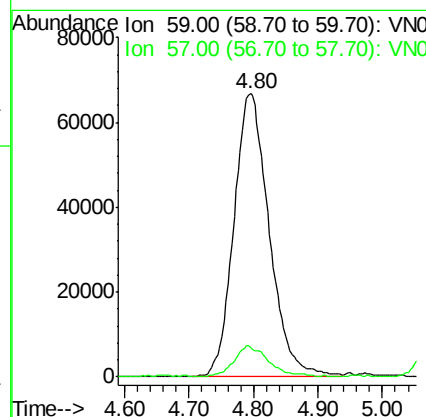
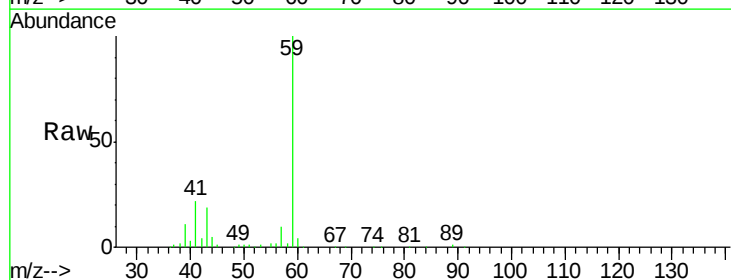
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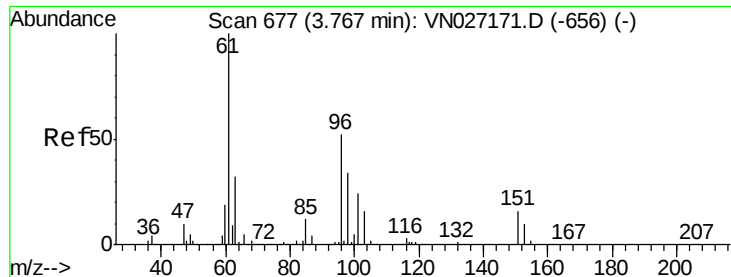
MMDadoda
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#12
Tert butyl alcohol
Concen: 215.10 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.0	7.6	11.4





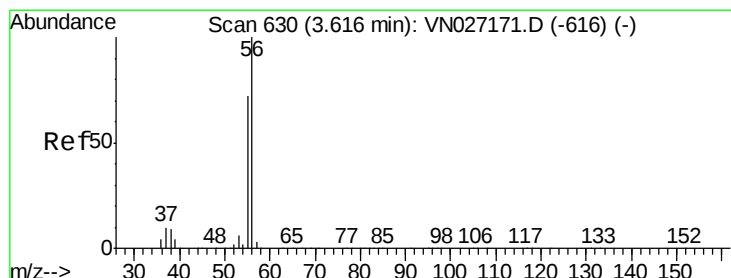
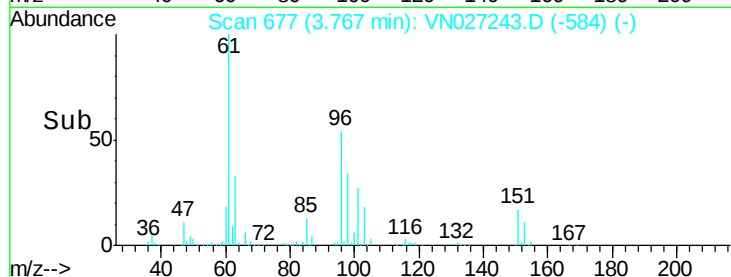
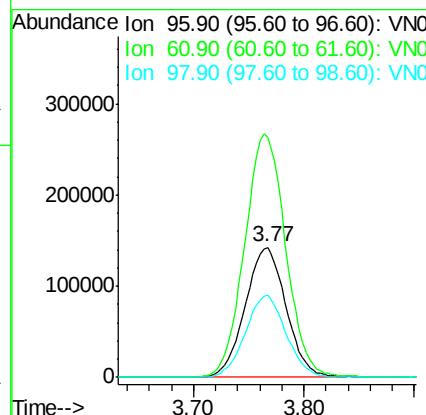
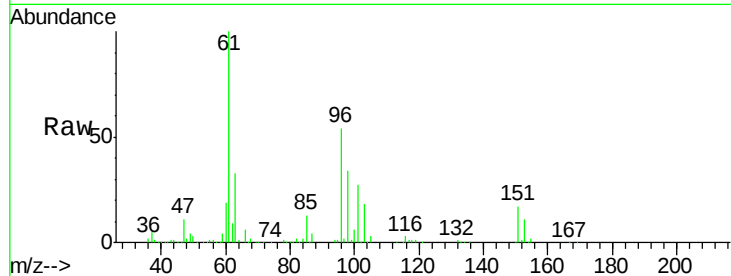
#13
 1,1-Dichloroethene
 Concen: 48.29 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	184.6	143.8	215.8
98	62.8	50.3	75.5

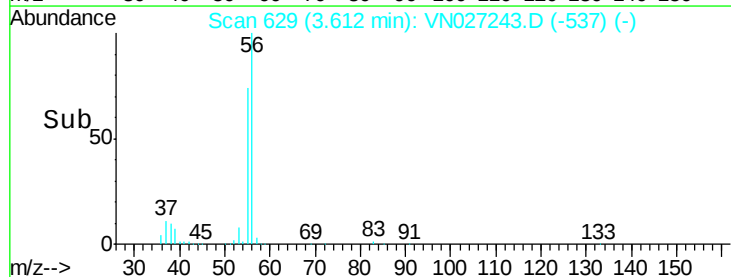
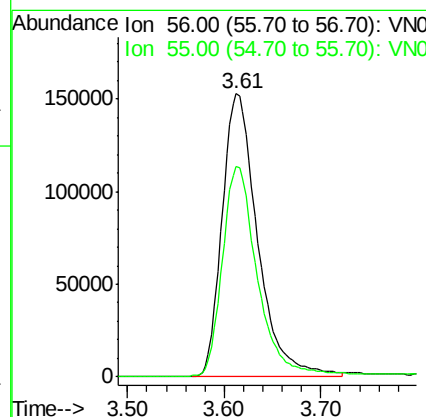
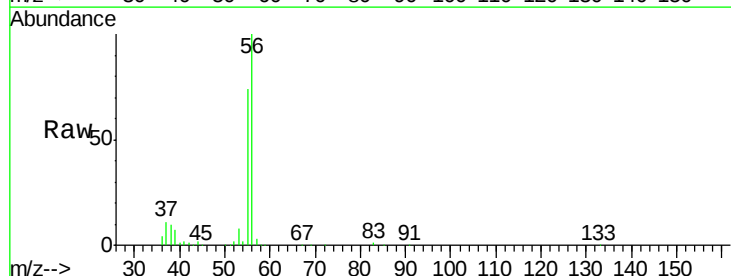
Manual Integrations
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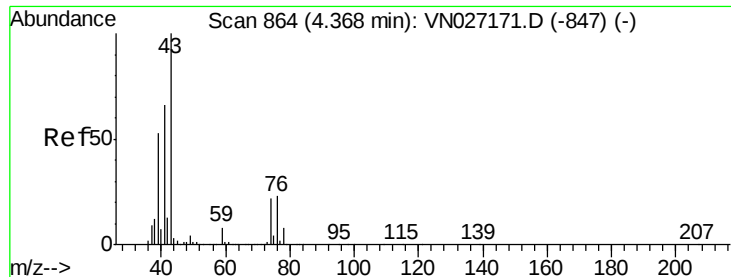
MMDadoda
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#14
 Acrolein
 Concen: 279.72 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. -0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
56	100		
55	72.8	55.7	83.5





#15

Allvl chloride

Concen: 46.66 ug/l

RT: 4.37 min Scan# 864

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

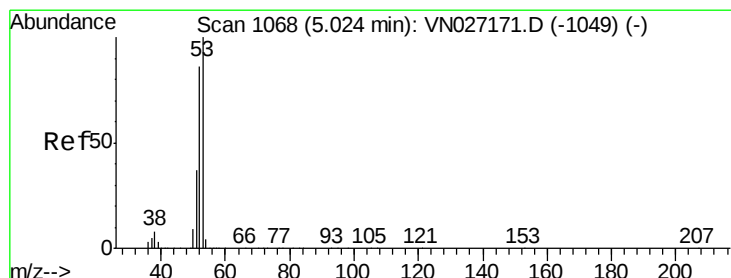
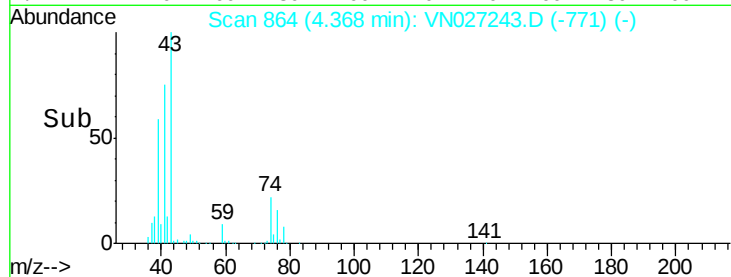
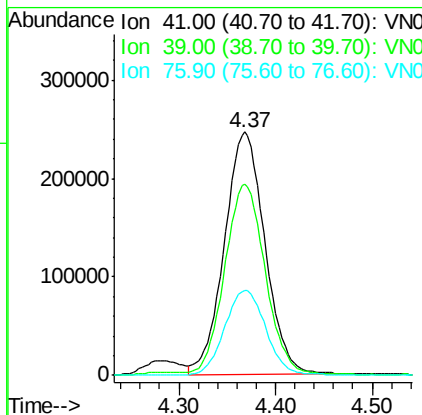
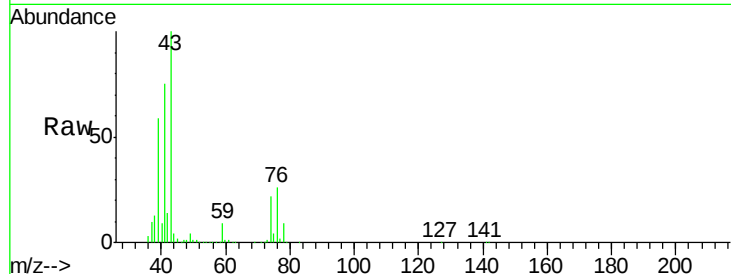
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	713900
Ion Ratio	Lower	Upper	
41	100		
39	79.0	49.7	74.5#
76	35.4	24.8	37.2

Manual Integrations
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#16

Acrylonitrile

Concen: 238.49 ug/l

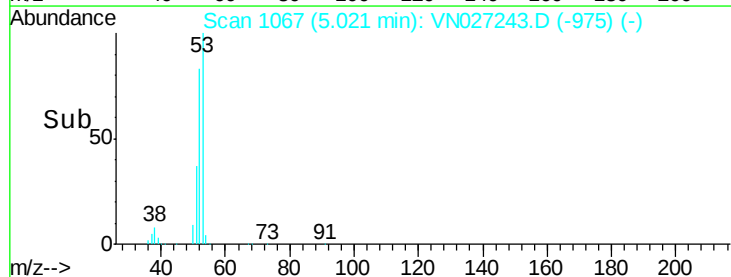
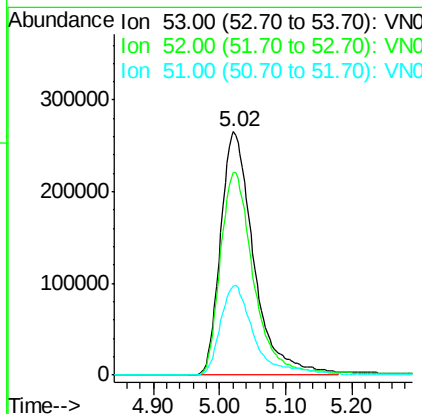
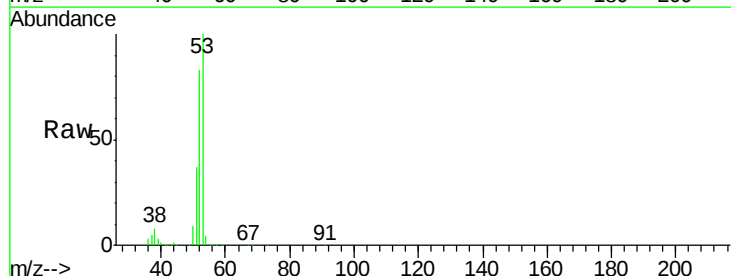
RT: 5.02 min Scan# 1067

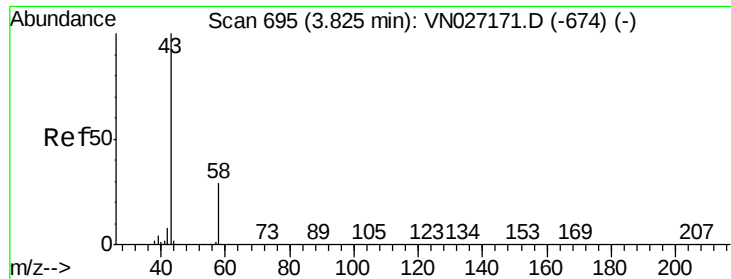
Delta R.T. -0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Tgt Ion:	53	Resp:	921836
Ion Ratio	Lower	Upper	
53	100		
52	83.2	66.9	100.3
51	37.8	27.4	41.0





#17

Acetone

Concen: 303.11 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 987842

Ion Ratio Lower Upper

43 100

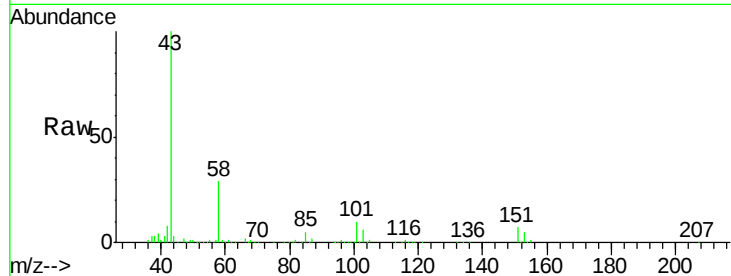
58 29.2 25.4 38.0

Manual Integrations

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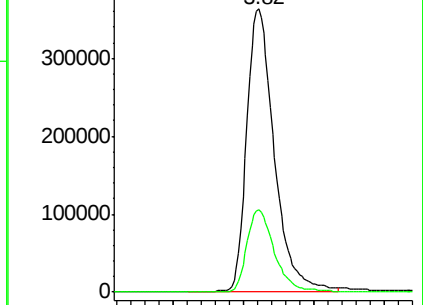
MMDadoda

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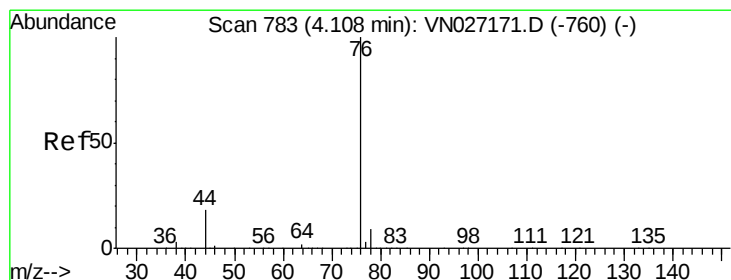
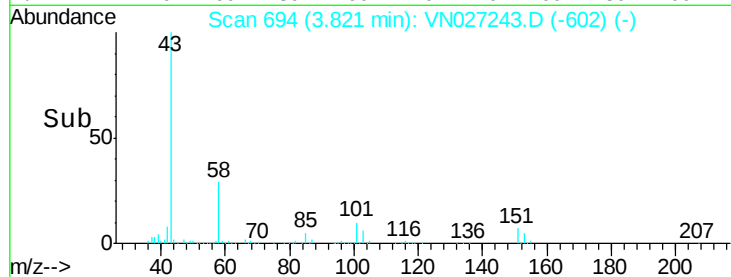


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#18

Carbon Disulfide

Concen: 45.36 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027243.D

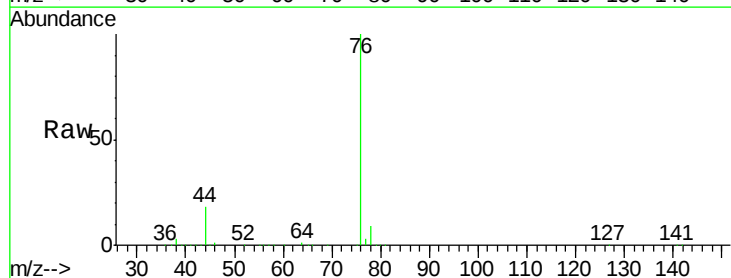
Acq: 17 Sep 2015 9:31

Tgt Ion: 76 Resp: 1118846

Ion Ratio Lower Upper

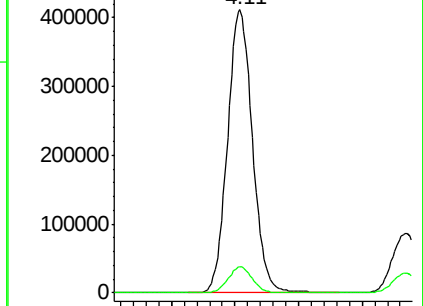
76 100

78 9.2 7.1 10.7

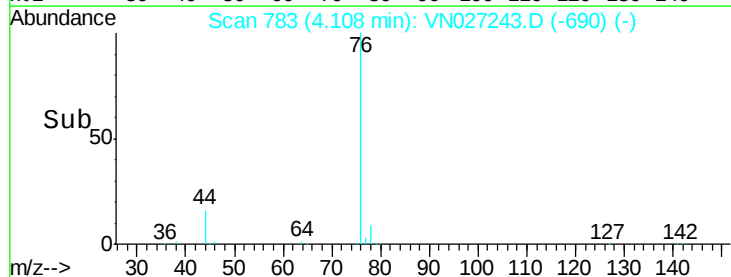


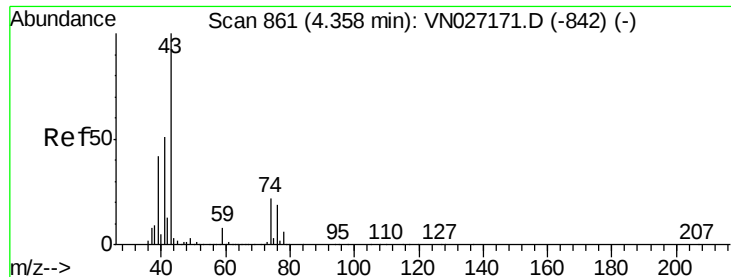
Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time-->





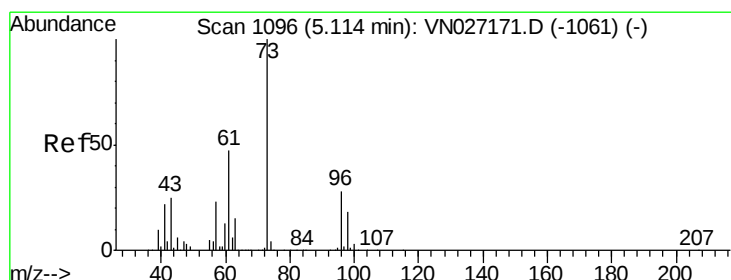
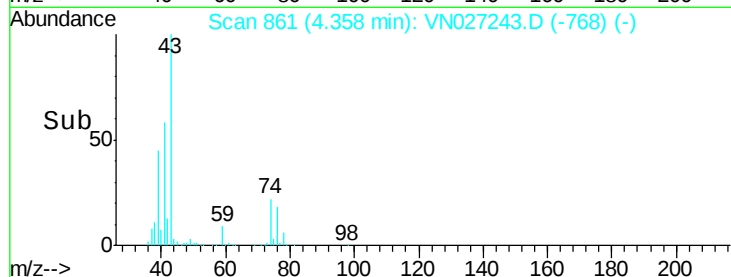
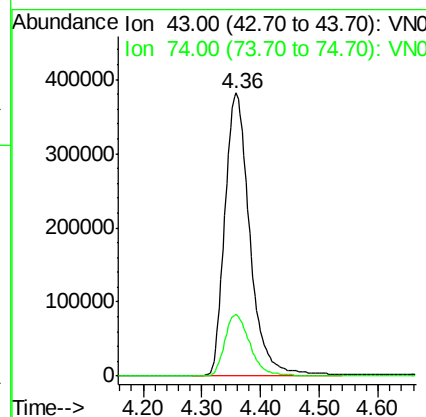
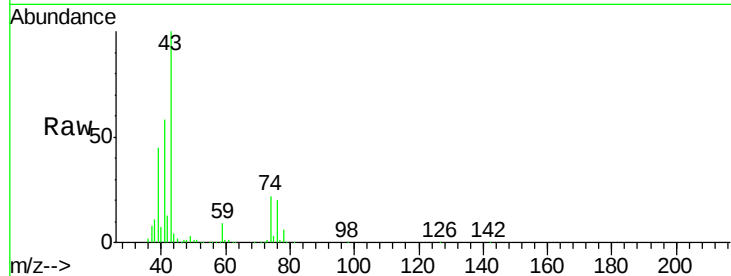
#19
Methvl Acetate
Concen: 47.28 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 1116070
Ion Ratio Lower Upper
43 100
74 22.3 16.2 24.2

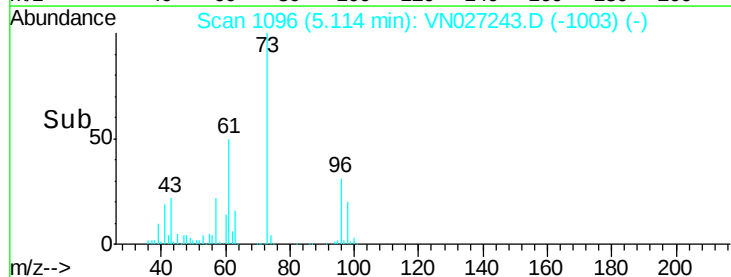
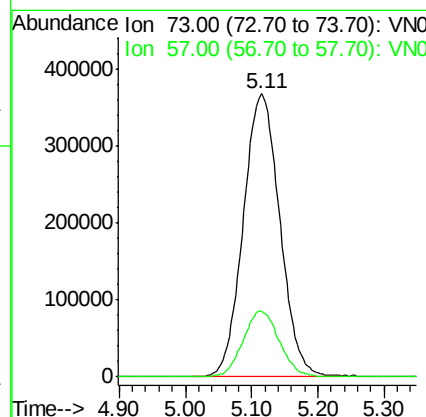
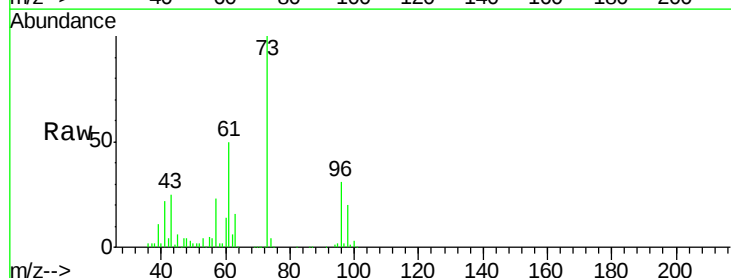
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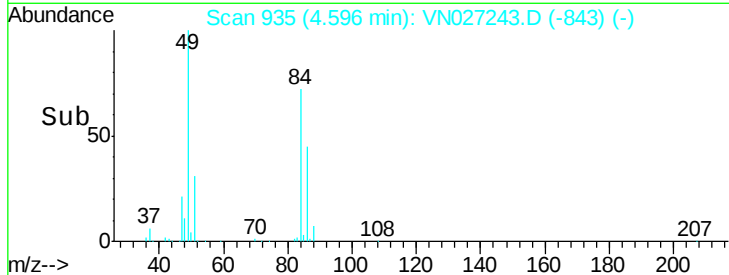
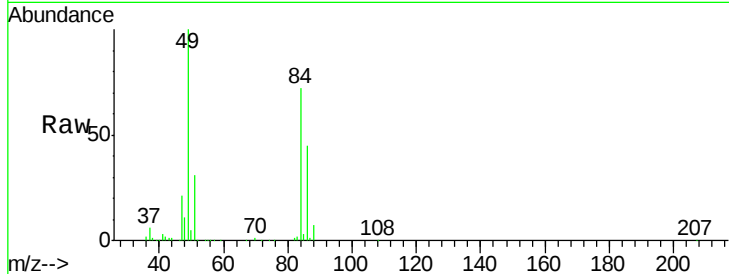
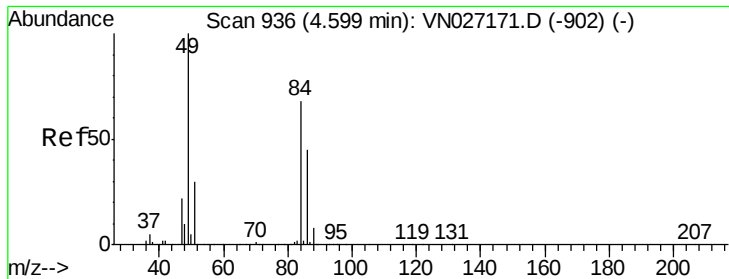
MMDadoda
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#20
Methyl tert-butyl Ether
Concen: 46.36 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

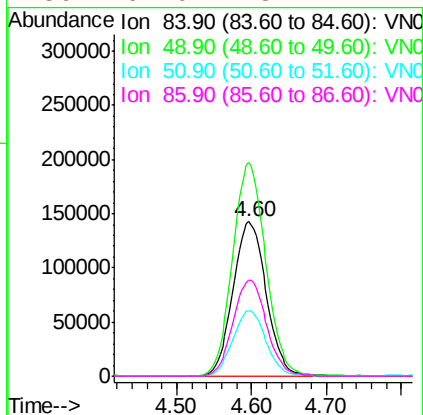
Tgt Ion: 73 Resp: 1409879
Ion Ratio Lower Upper
73 100
57 23.2 19.8 29.6





#21
Methvlene Chloride
Concen: 48.71 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

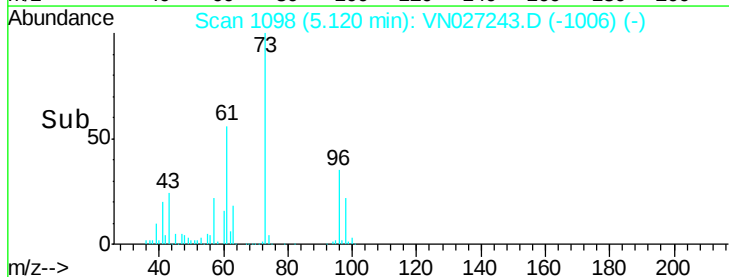
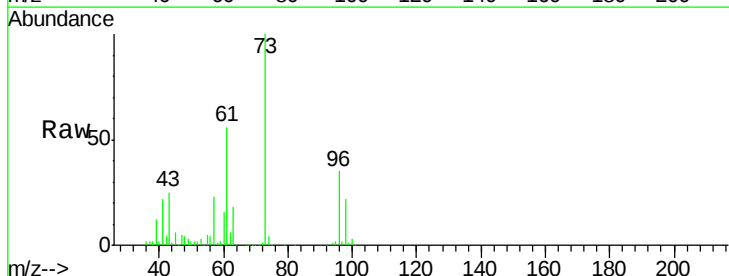
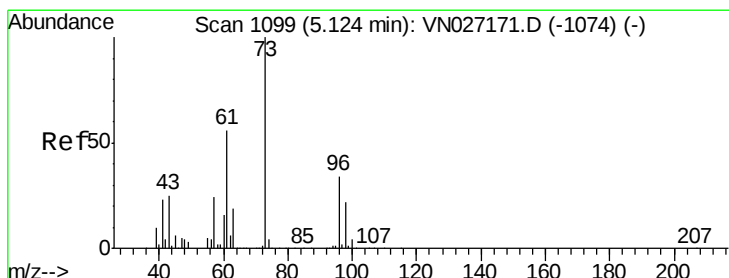
Tot Ion	84	Resp	442197
Ion Ratio	Lower	Upper	
84	100		
49	138.3	112.3	168.5
51	42.7	33.8	50.8
86	62.0	48.2	72.4



Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

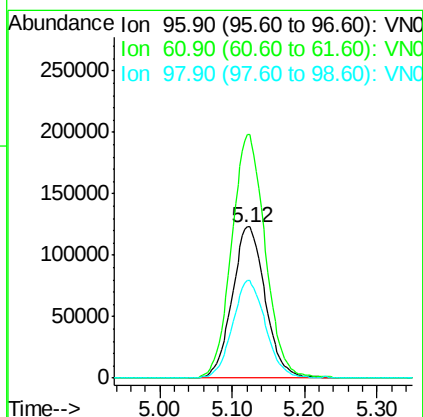
Manual Integrations
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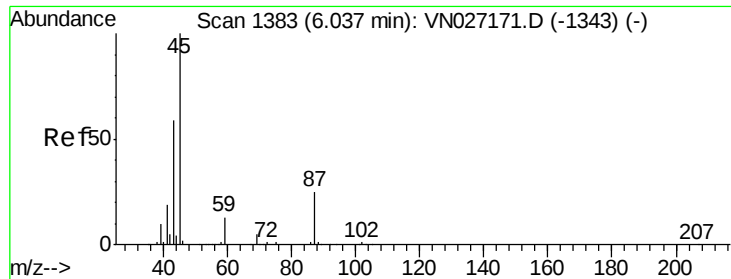
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 47.63 ug/l
RT: 5.12 min Scan# 1098
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	96	Resp	390229
Ion Ratio	Lower	Upper	
96	100		
61	161.0	126.6	189.8
98	64.5	47.4	71.2





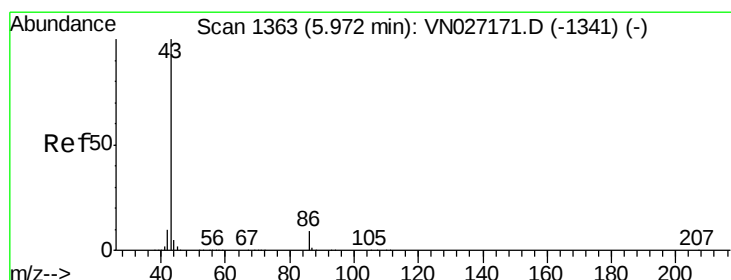
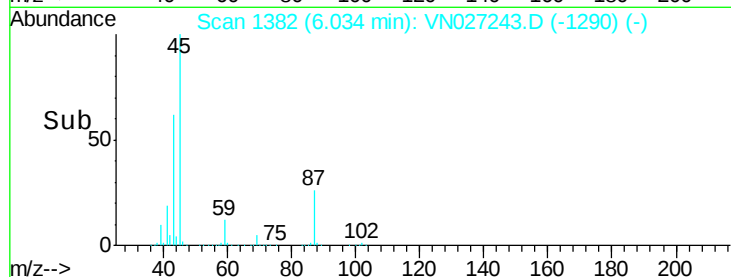
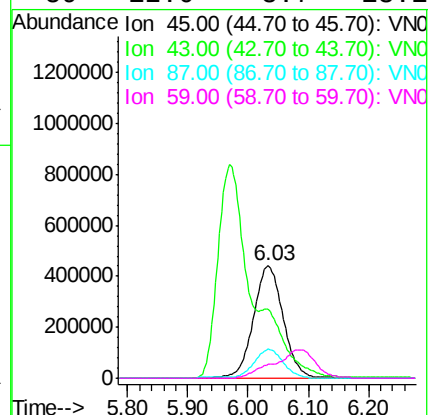
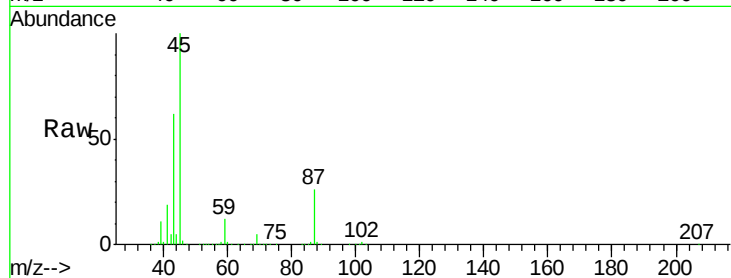
#23
Diisopropyl ether
Concen: 47.40 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	61.6	41.0	61.6#	
87	25.6	17.5	26.3	
59	12.0	8.7	13.1	

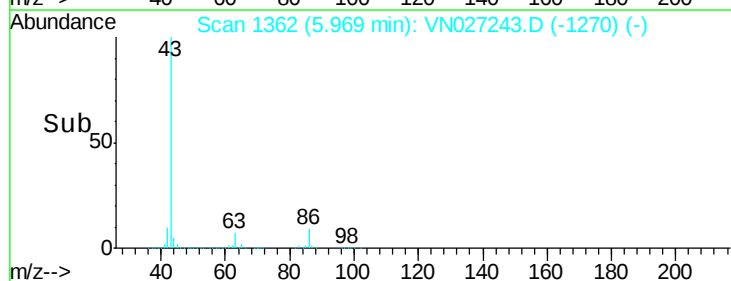
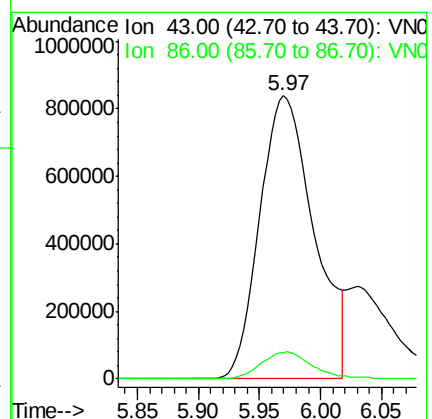
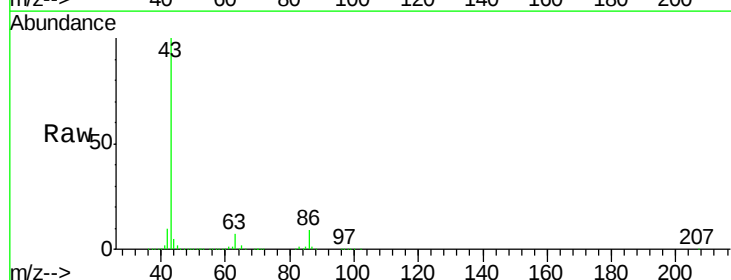
Manual Integrations
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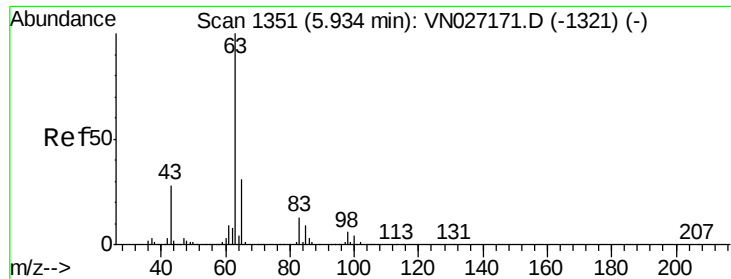
MMDadoda
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#24
Vinyl Acetate
Concen: 243.83 ug/l
RT: 5.97 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	9.4	6.9	10.3	





#25

1,1-Dichloroethane

Concen: 46.83 ug/l

RT: 5.93 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

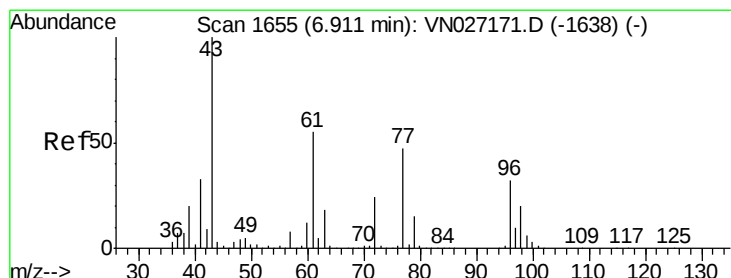
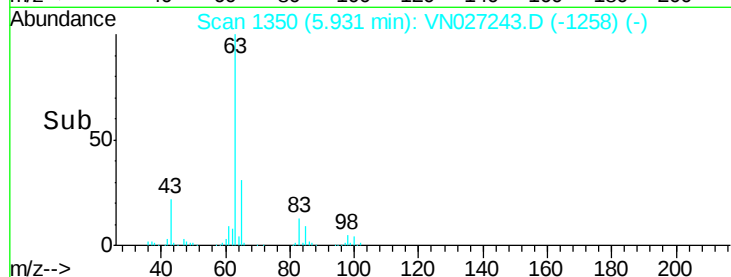
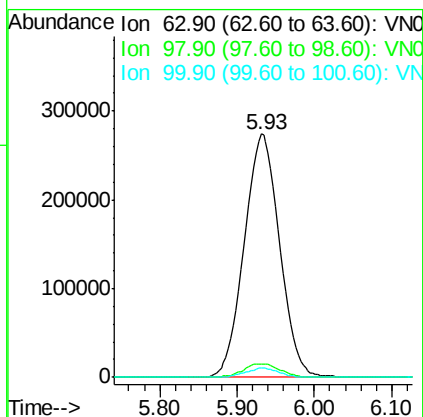
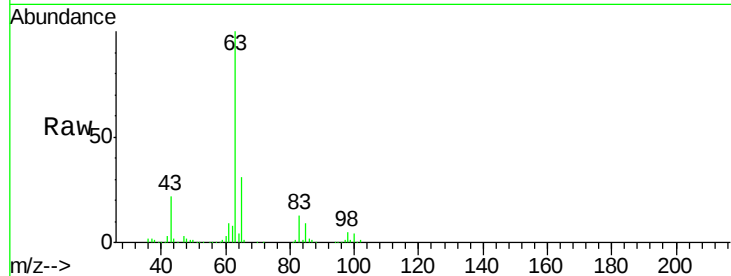
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
63	100	873274		
98	5.3		2.8	8.3
100	4.0		1.7	5.0

Manual Integrations
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#26

2-Butanone

Concen: 252.12 ug/l

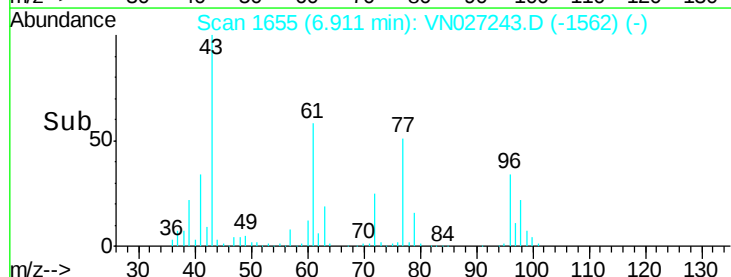
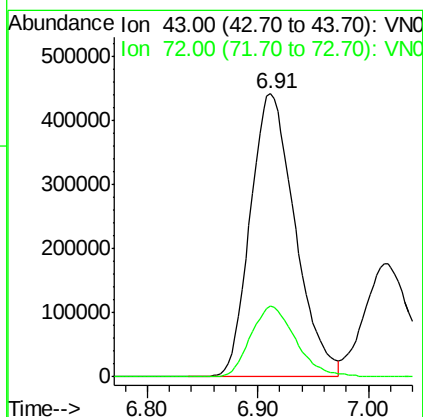
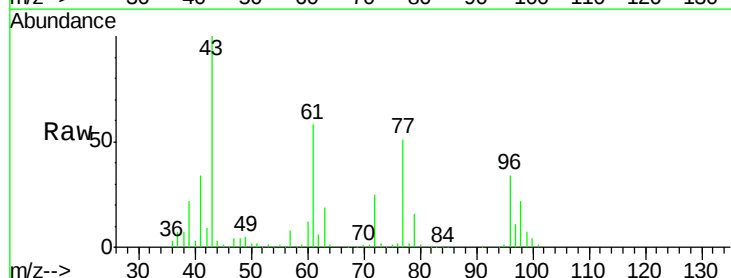
RT: 6.91 min Scan# 1655

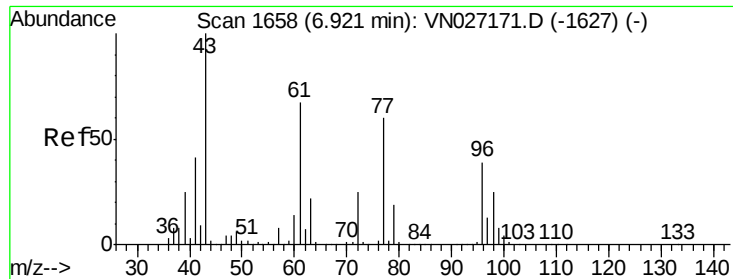
Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1237312		
72	25.0		18.8	28.2





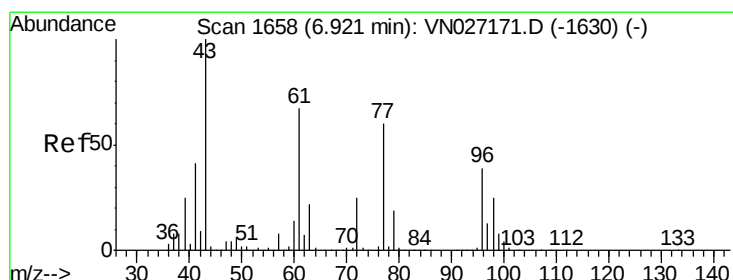
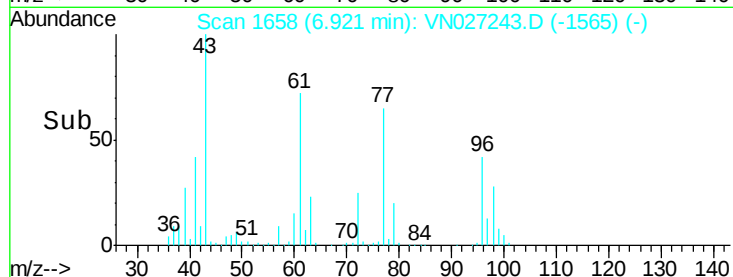
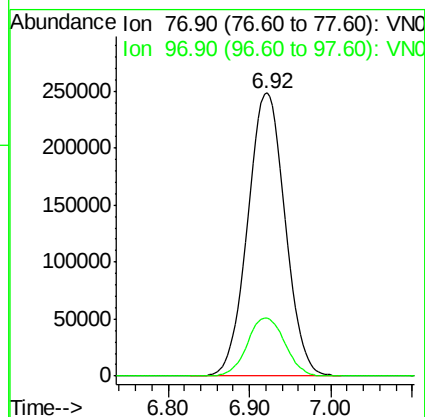
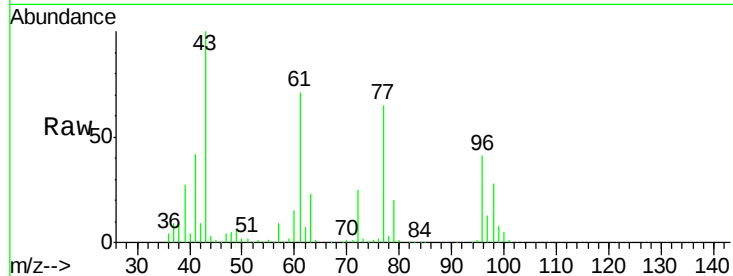
#27
 2,2-Dichloropropane
 Concen: 48.55 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
77	100		
97	20.8	11.8	35.3

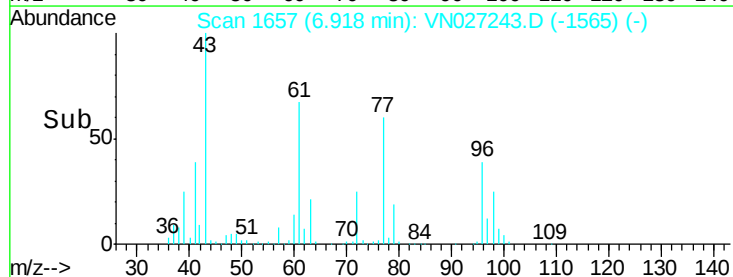
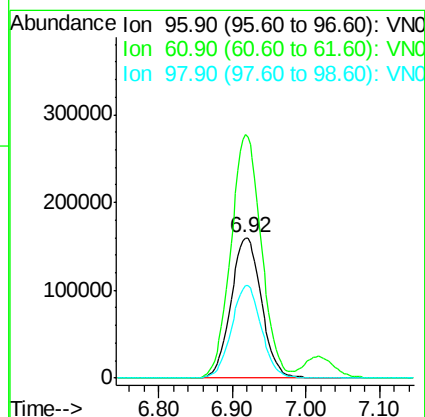
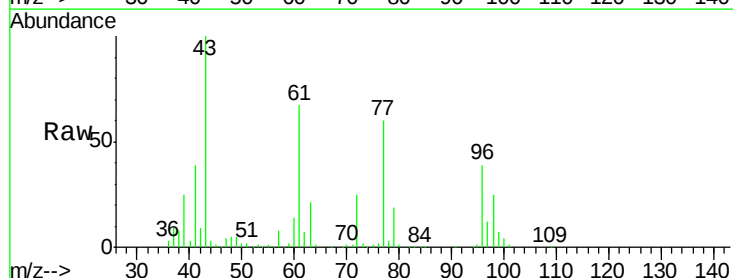
Manual Integrations
 APPROVED

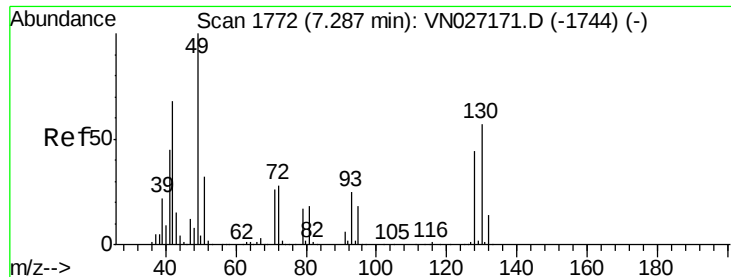
MMDadoda
 9/18/2015 12:17:32 PM



#28
 cis-1,2-Dichloroethene
 Concen: 48.91 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.8	0.0	329.2
98	64.8	0.0	126.0





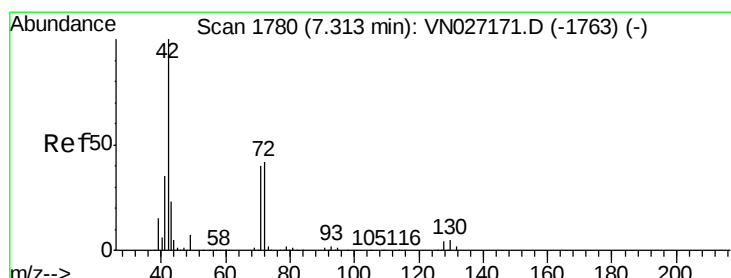
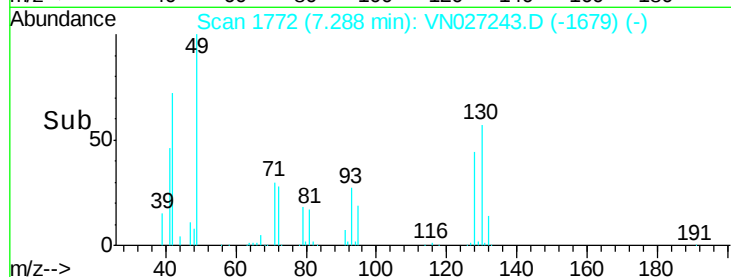
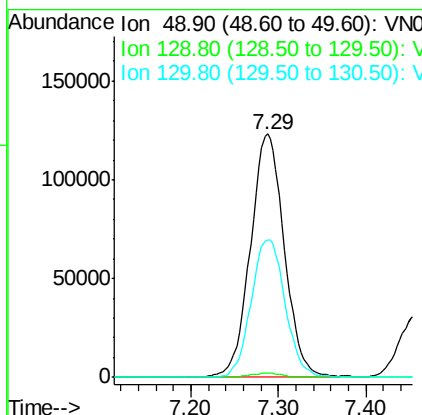
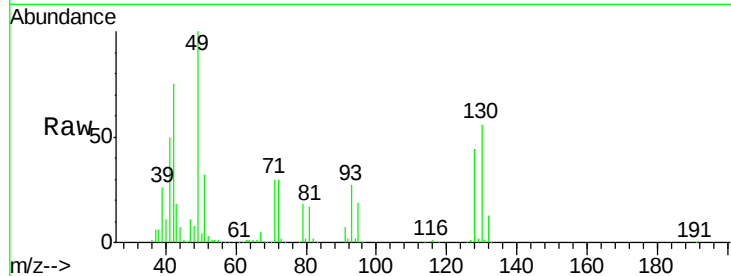
#29
Bromochloromethane
Concen: 45.56 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.2
130	56.9	43.2	64.8

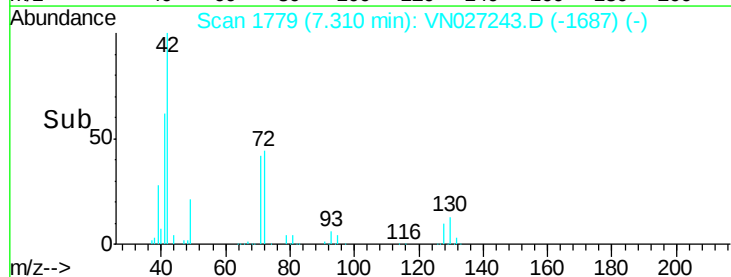
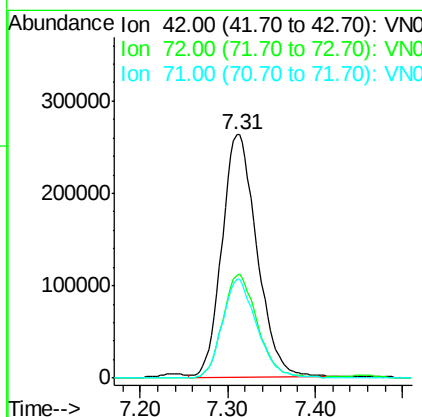
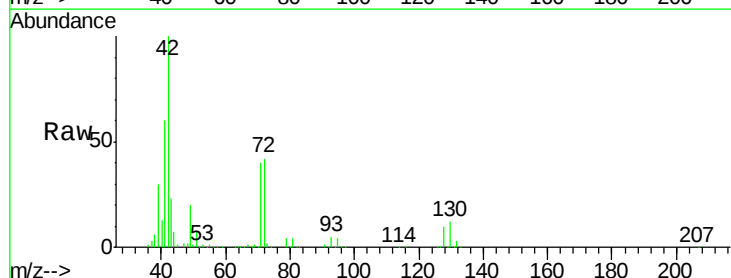
Manual Integrations
APPROVED

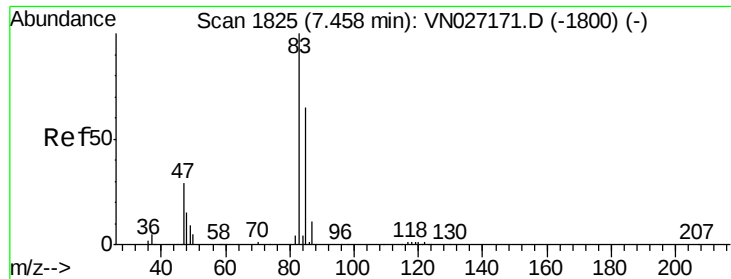
MMDadoda
9/18/2015 12:17:32 PM



#30
Tetrahydrofuran
Concen: 215.13 ug/l
RT: 7.31 min Scan# 1779
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.8	29.9	44.9
71	40.7	28.3	42.5





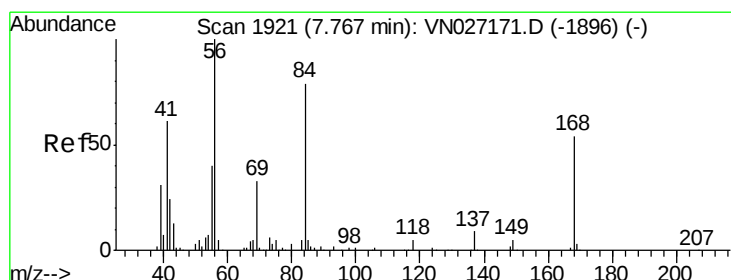
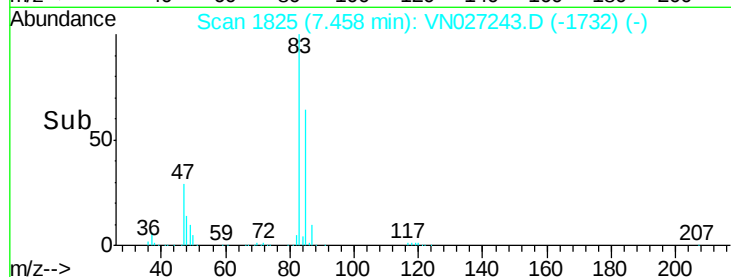
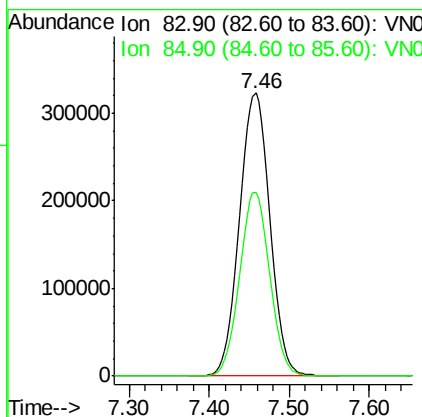
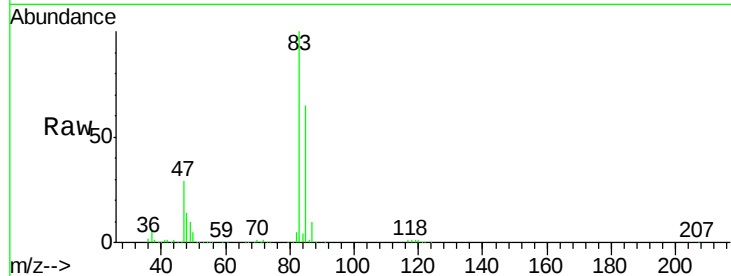
#31
Chloroform
Concen: 49.27 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	830201
Ion Ratio	100	Lower	Upper
85	64.7	51.1	76.7

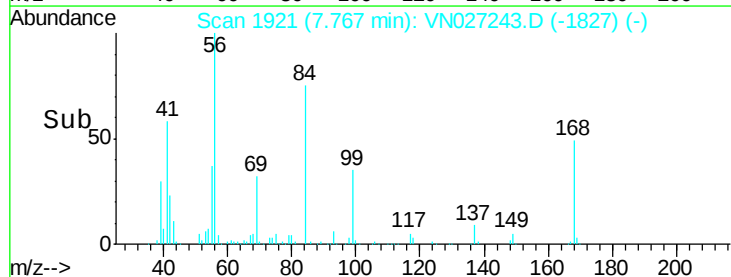
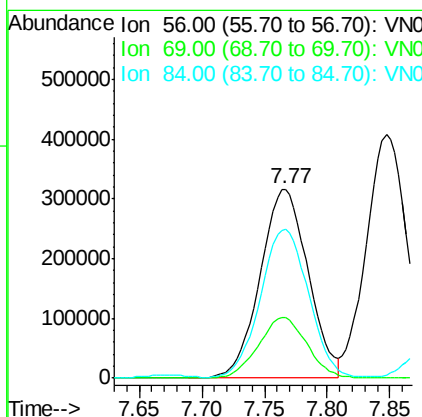
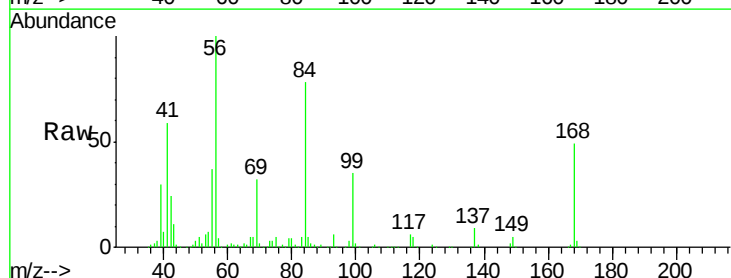
Manual Integrations
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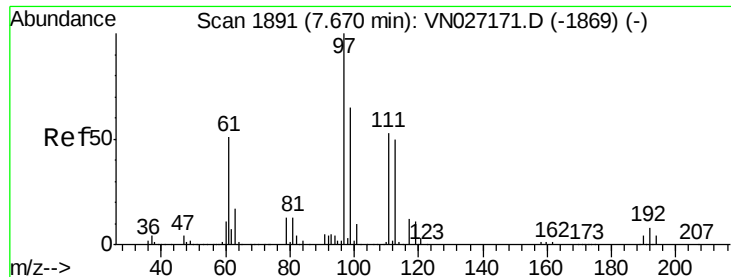
MMDadoda
9/18/2015 12:17:32 PM



#32
Cyclohexane
Concen: 50.72 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	56	Resp	841767
Ion Ratio	100	Lower	Upper
69	31.9	23.0	34.4
84	77.4	57.8	86.8





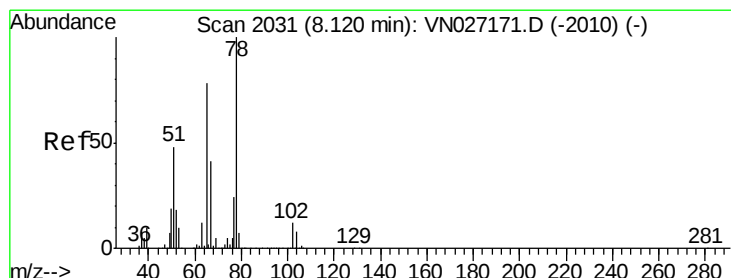
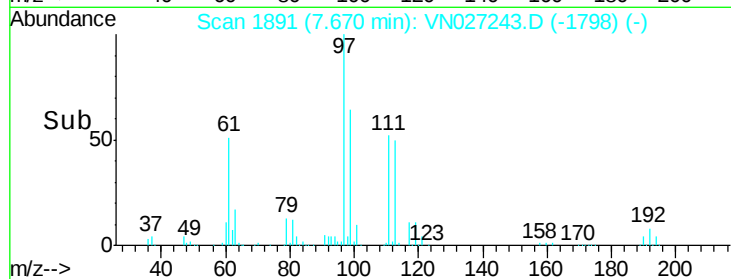
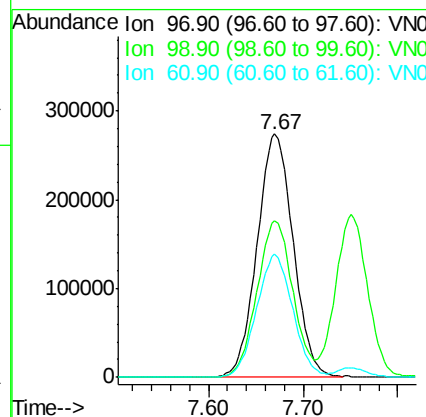
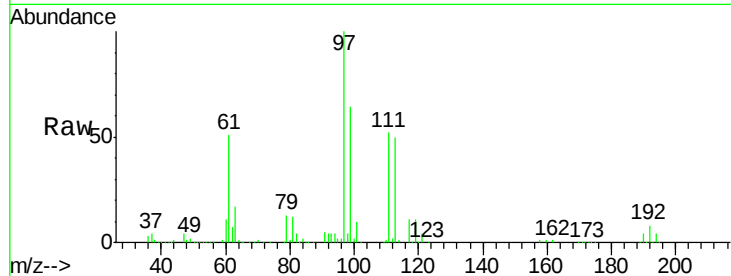
#33
 1,1,1-Trichloroethane
 Concen: 48.37 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		726615		
99	64.0	50.1		75.1	
61	50.5	44.0		66.0	

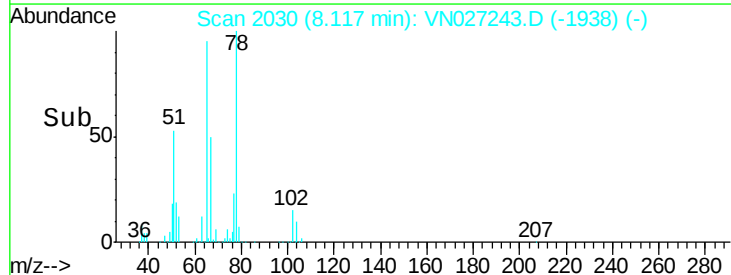
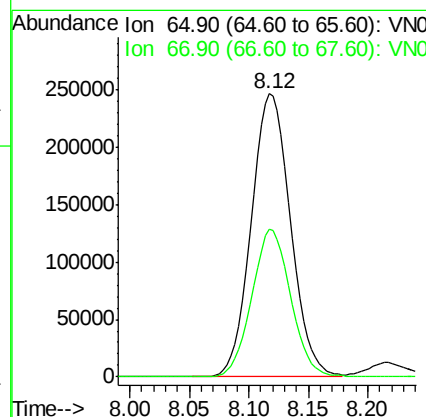
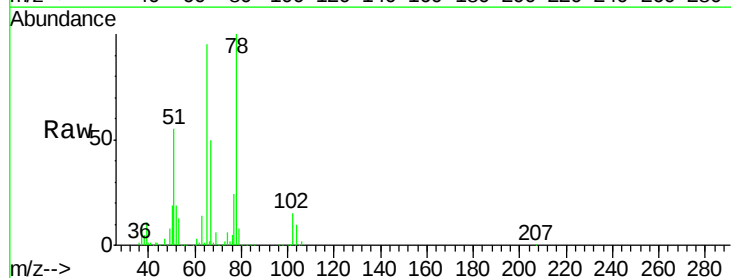
Manual Integrations
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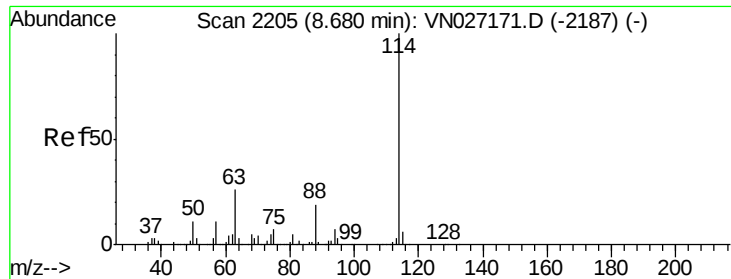
MMDadoda
 9/18/2015 12:17:32 PM



#34
 1,2-Dichloroethane-d4
 Concen: 46.61 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
65	100		563436		
67	51.6	0.0		110.6	





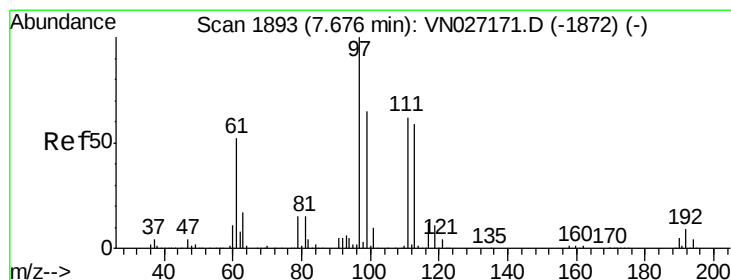
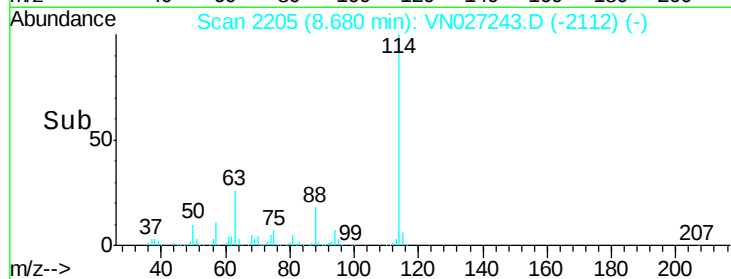
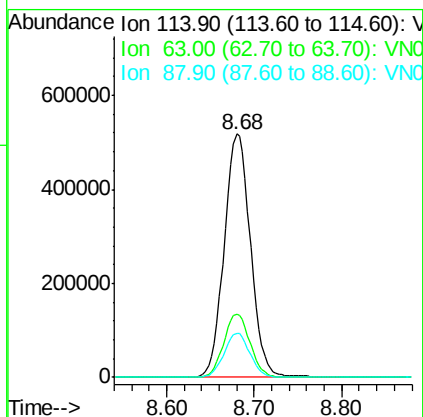
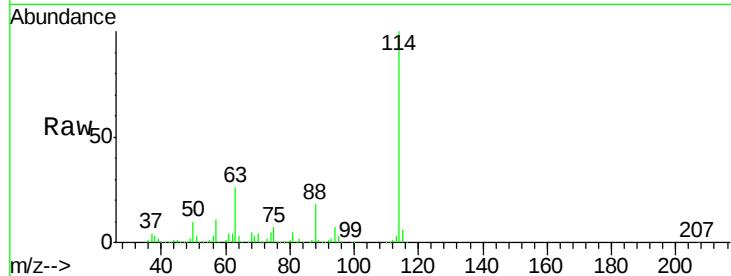
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.1	0.0	48.8
88	18.1	0.0	32.2

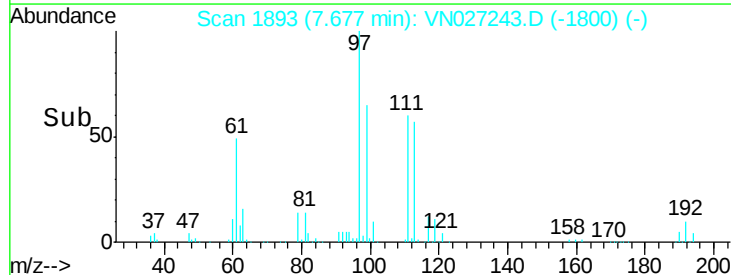
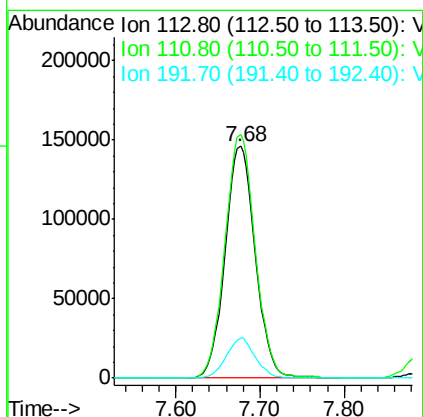
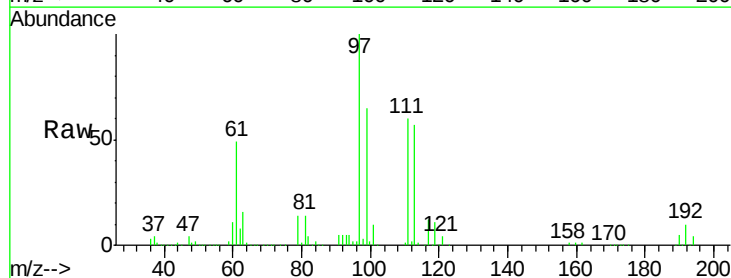
Manual Integrations
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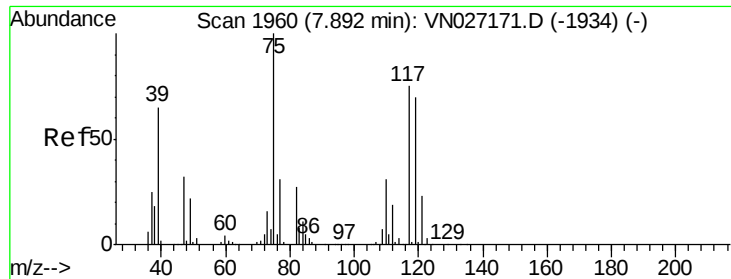
MMDadoda
 9/18/2015 12:17:32 PM



#36
 Dibromofluoromethane
 Concen: 48.46 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.3	83.0	124.4
192	16.6	14.1	21.1





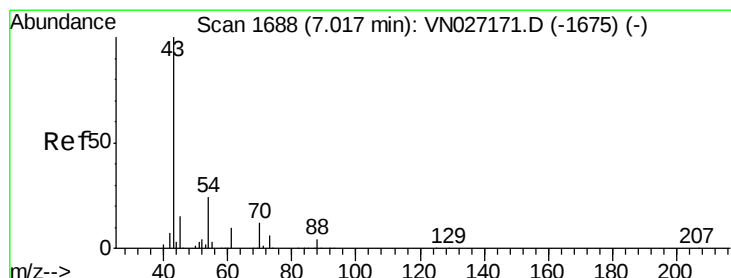
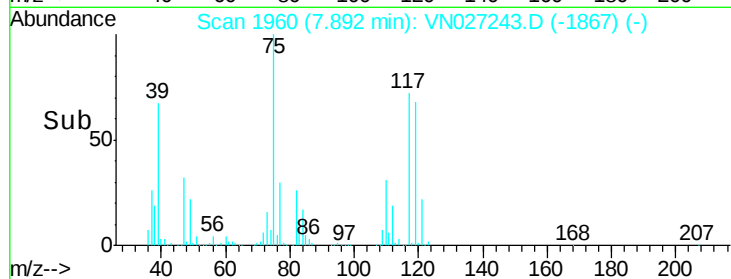
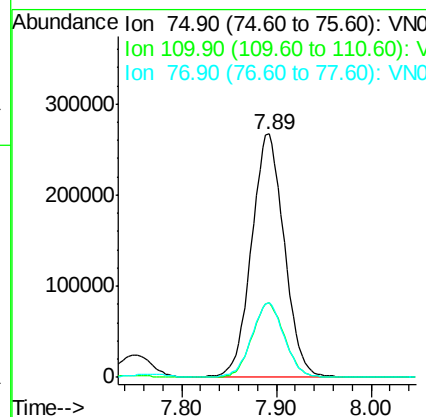
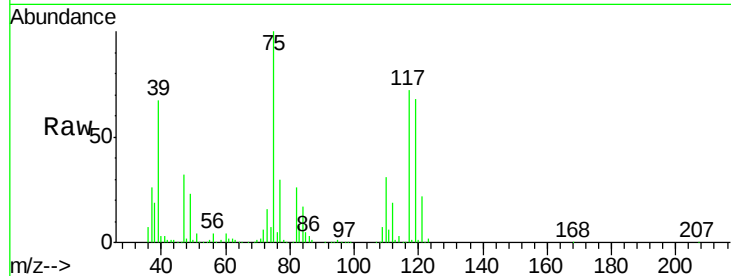
#37
 1,1-Dichloropropene
 Concen: 50.41 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	30.3	15.9	47.7	
77	30.3	24.9	37.3	

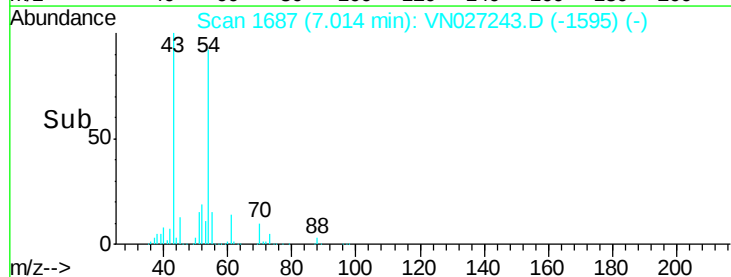
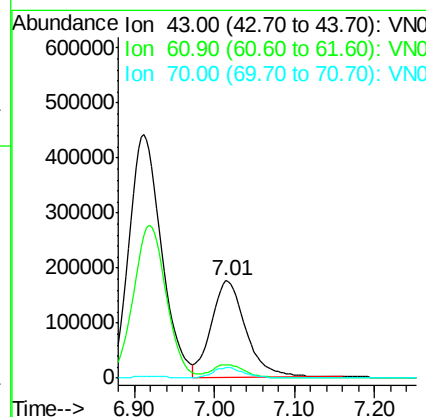
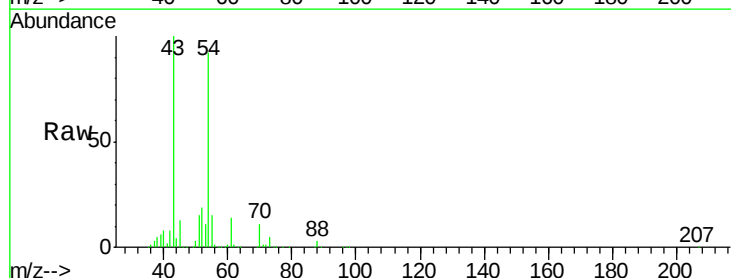
Manual Integrations
 APPROVED

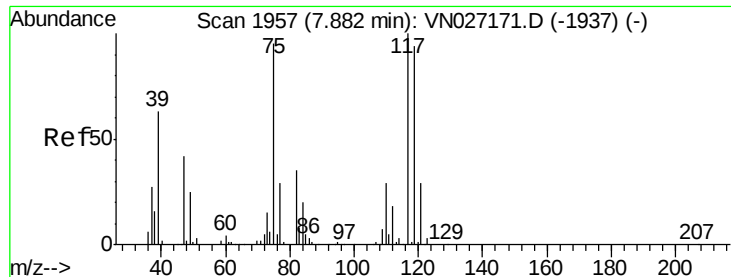
MMDadoda
 9/18/2015 12:17:32 PM



#38
 Ethyl Acetate
 Concen: 48.87 ug/l
 RT: 7.01 min Scan# 1687
 Delta R.T. -0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.3	10.2	15.4	
70	9.7	7.4	11.0	





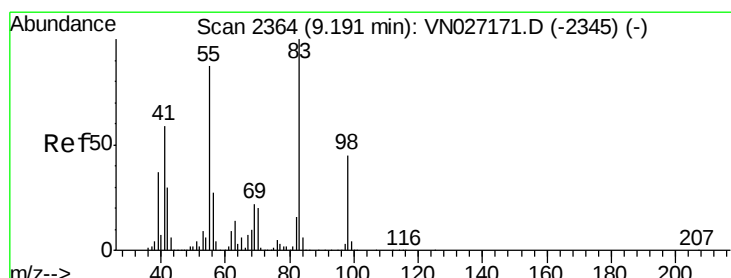
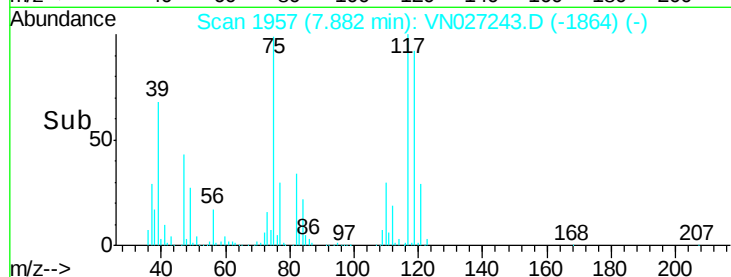
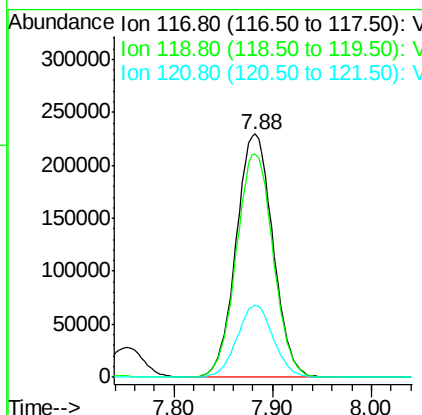
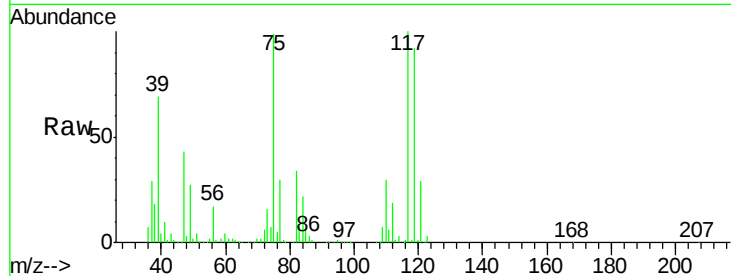
#39
Carbon Tetrachloride
Concen: 49.60 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.3	112.9
121	29.4	23.8	35.8

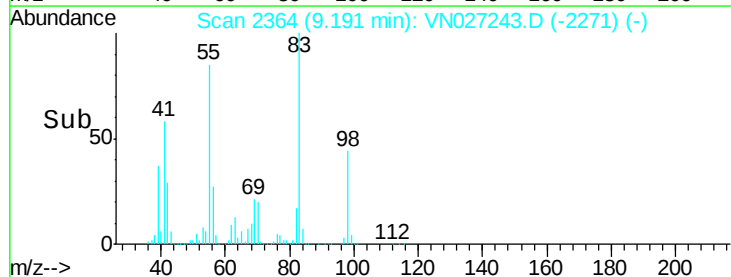
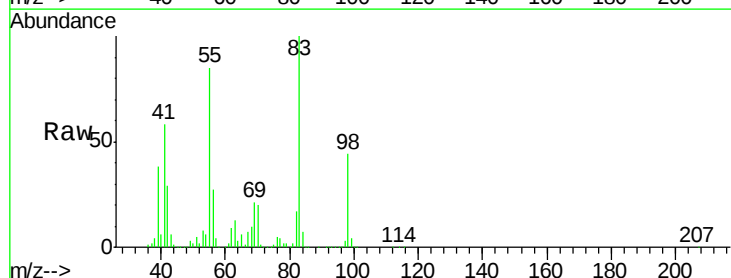
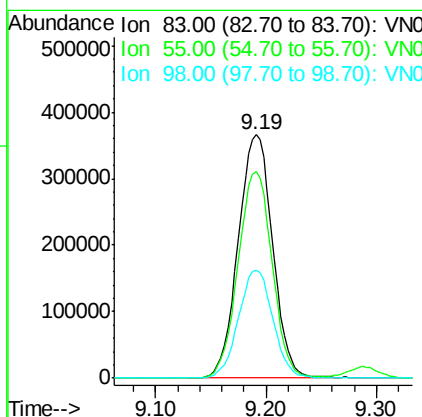
Manual Integrations
APPROVED

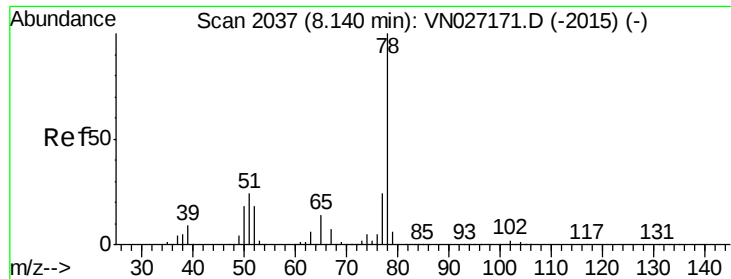
MMDadoda
9/18/2015 12:17:32 PM



#40
Methylcyclohexane
Concen: 51.39 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.7	69.8	104.8
98	44.5	34.3	51.5





#41

Benzene

Concen: 49.62 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 78 Resp: 1832515

Ion Ratio Lower Upper

78 100

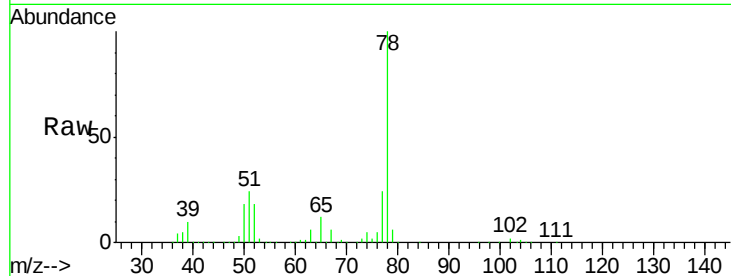
77 23.5 19.0 28.4

Manual Integrations

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MMDadoda

9/18/2015 12:17:32 PM



Abundance Ion 78.00 (77.70 to 78.70): VNO

Ion 77.00 (76.70 to 77.70): VNO

8.14

800000

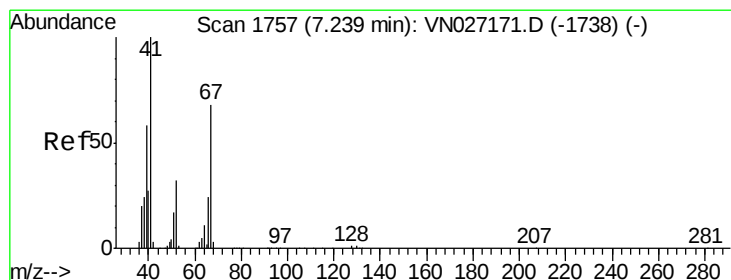
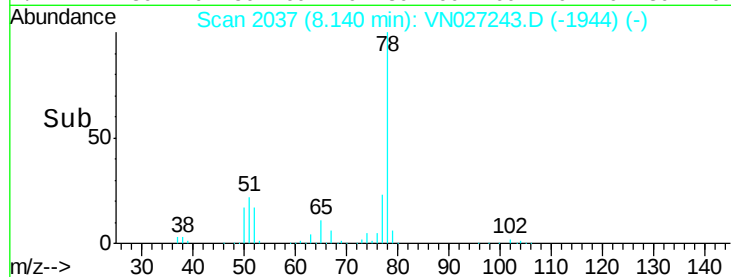
600000

400000

200000

0

Time-->



#42

Methacrylonitrile

Concen: 47.67 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Tgt Ion: 41 Resp: 291714

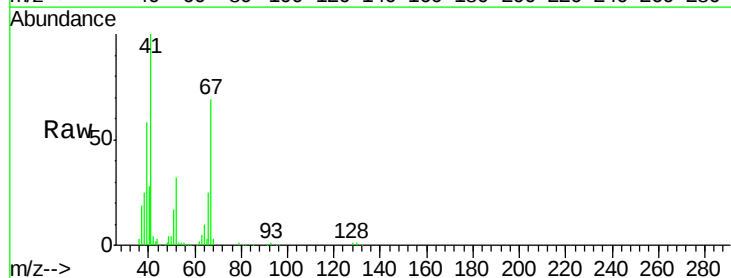
Ion Ratio Lower Upper

41 100

39 58.0 43.0 64.6

67 72.6 52.2 78.2

52 32.9 21.3 31.9#



Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO

250000

200000

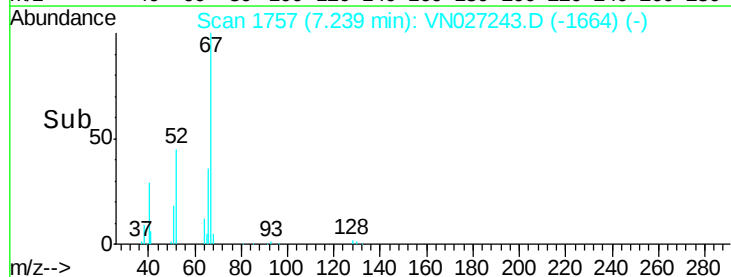
150000

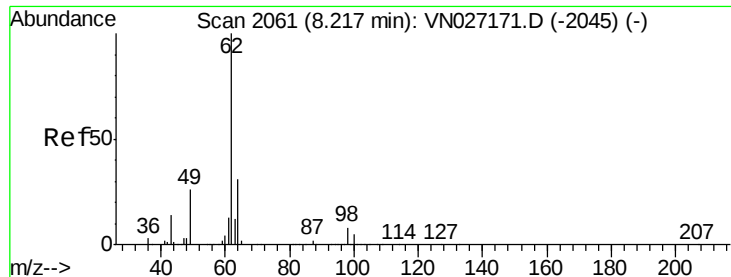
100000

50000

0

Time-->





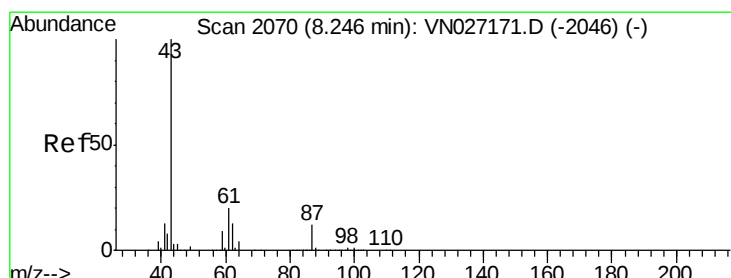
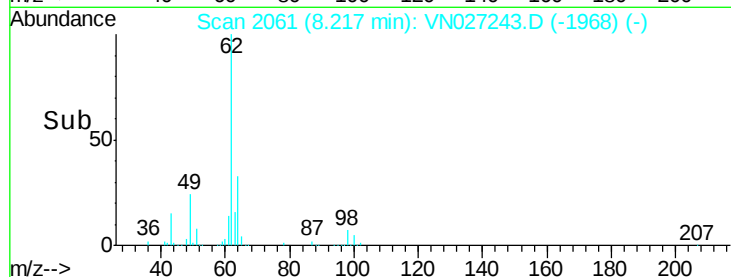
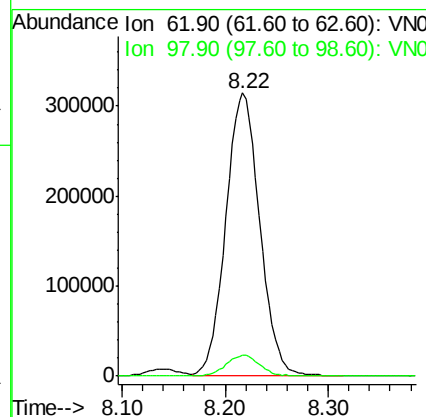
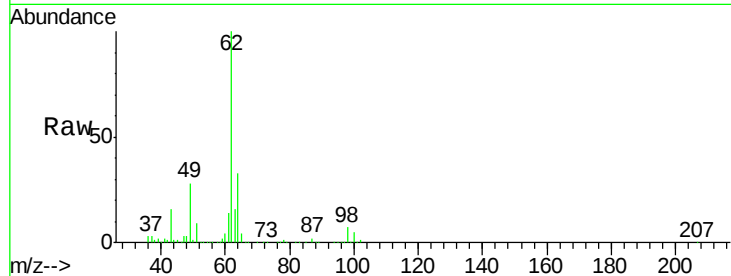
#43
 1,2-Dichloroethane
 Concen: 48.25 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
62	100	717889		
98	7.5	0.0	18.0	

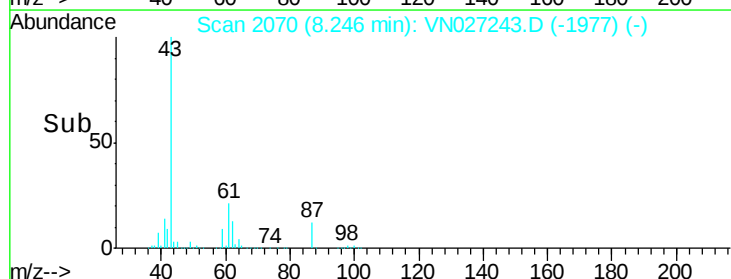
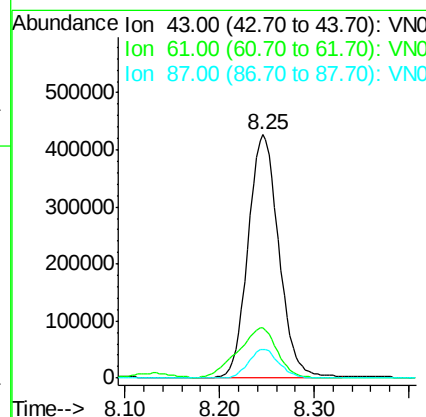
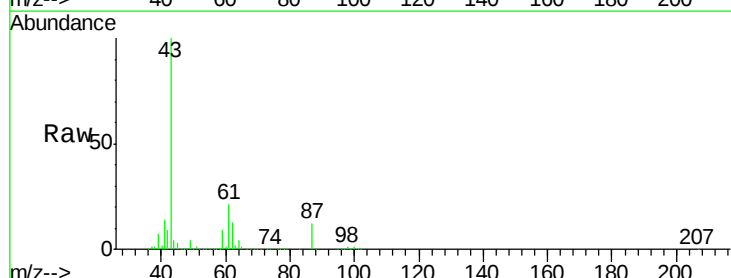
Manual Integrations
 APPROVED

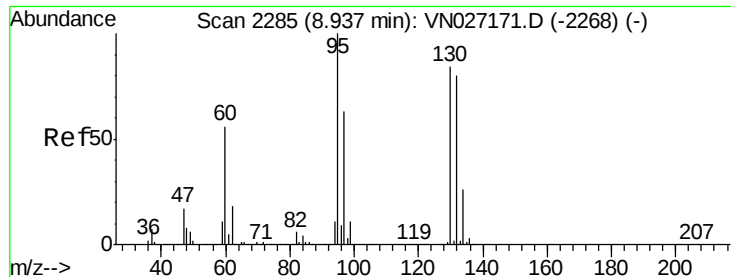
MMDadoda
 9/18/2015 12:17:32 PM



#44
 Isopropyl Acetate
 Concen: 47.34 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	957618		
61	26.5	20.6	31.0	
87	11.9	8.6	13.0	





#45

Trichloroethene

Concen: 50.56 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:130 Resp: 375108

Ion Ratio Lower Upper

130 100

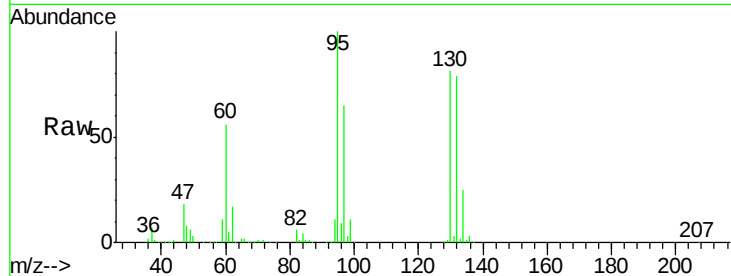
95 123.1 0.0 222.2

Manual Integrations

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

250000

200000

150000

100000

50000

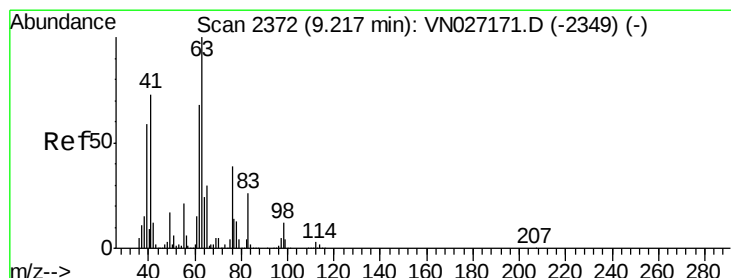
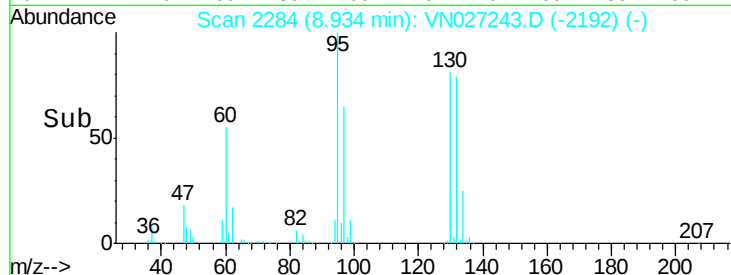
0

8.90

8.93

9.00

Time-->



#46

1,2-Dichloropropane

Concen: 47.97 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN027243.D

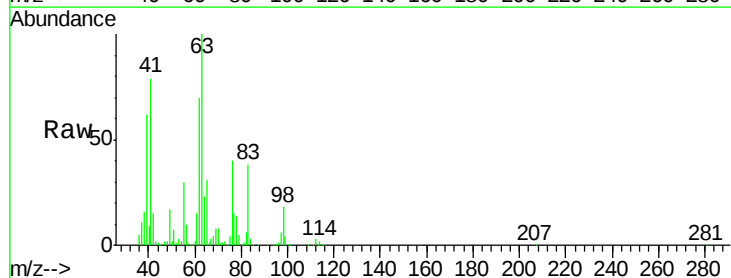
Acq: 17 Sep 2015 9:31

Tgt Ion: 63 Resp: 509697

Ion Ratio Lower Upper

63 100

65 31.2 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN

Ion 64.90 (64.60 to 65.60): VN

250000

200000

150000

100000

50000

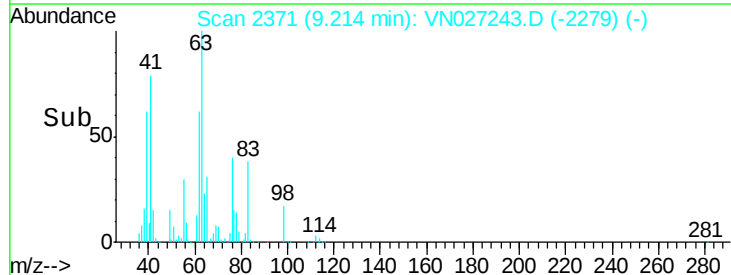
0

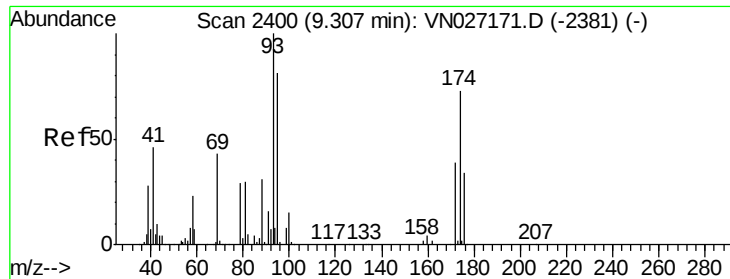
9.10

9.21

9.30

Time-->





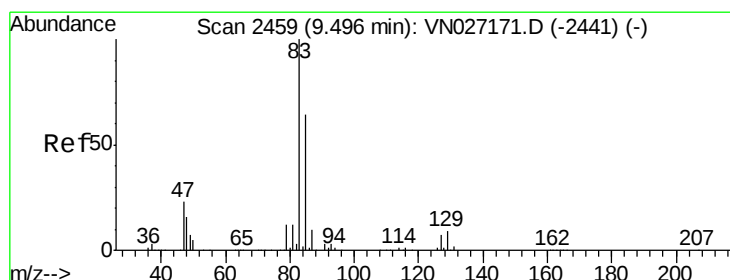
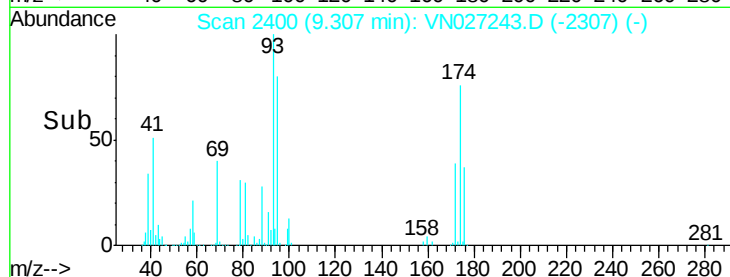
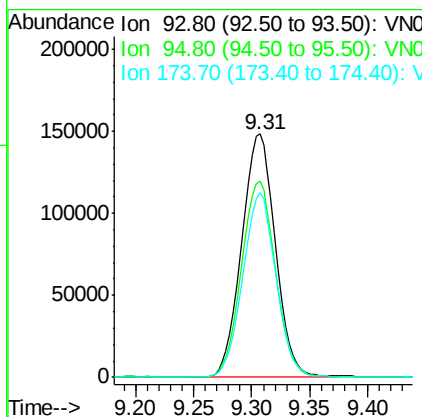
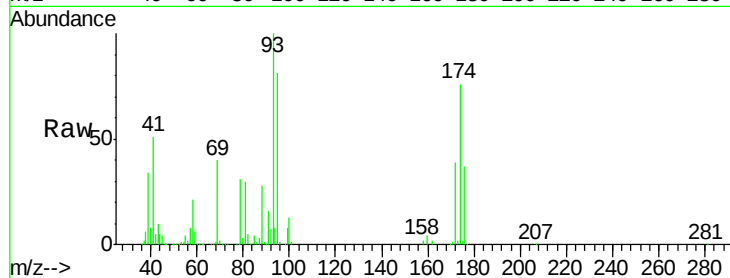
#47
Dibromomethane
Concen: 48.13 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
93	100		
95	81.3	66.3	99.5
174	75.2	67.8	101.6

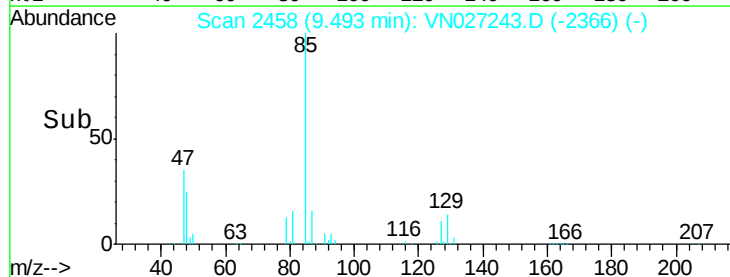
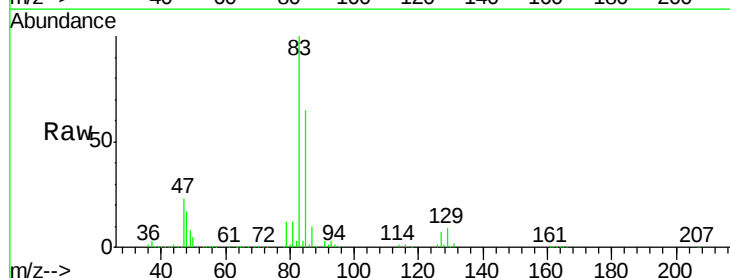
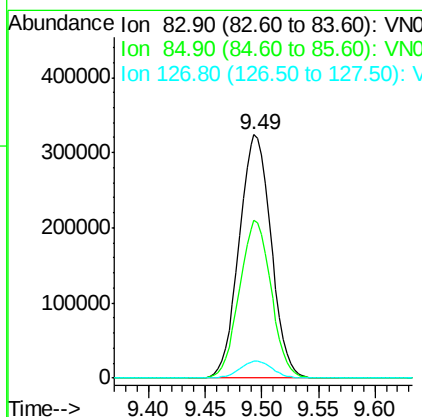
Manual Integrations
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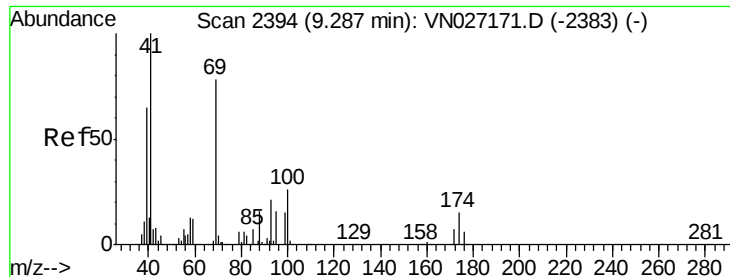
MMDadoda
9/18/2015 12:17:32 PM



#48
Bromodichloromethane
Concen: 48.60 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.7	76.1
127	6.8	5.5	8.3





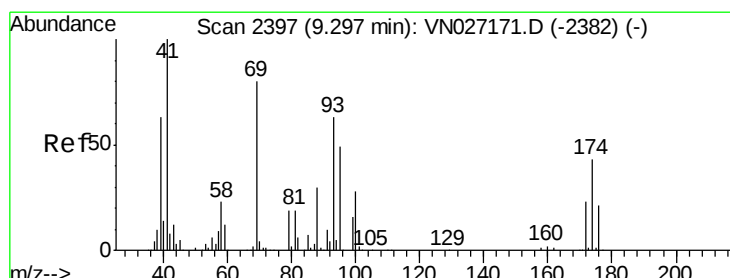
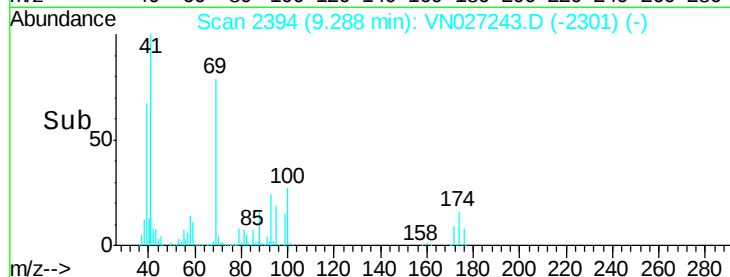
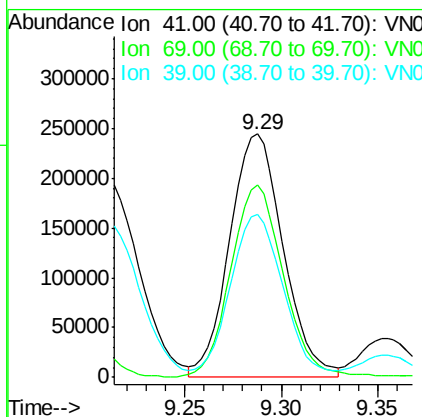
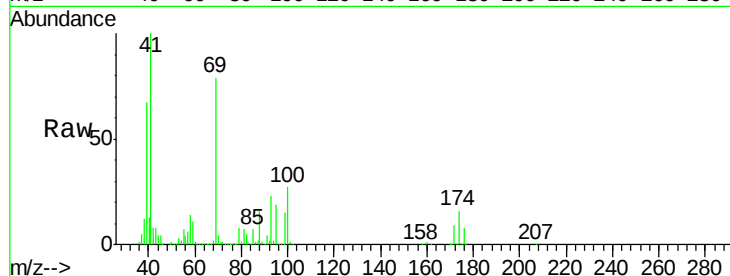
#49
Methvl methacrylate
Concen: 46.56 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
41	100	469289		
69	78.0	59.3	88.9	
39	66.2	39.5	59.3#	

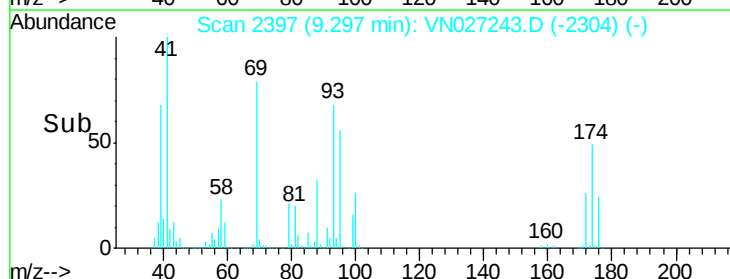
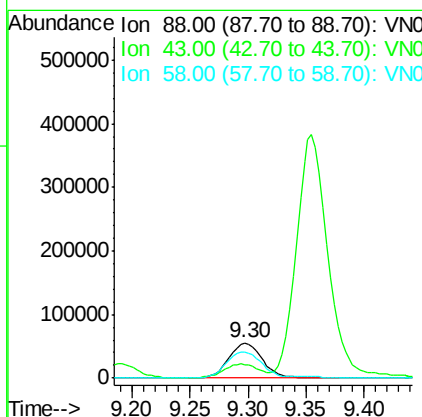
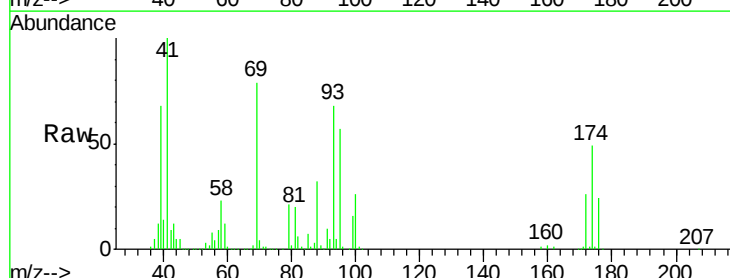
Manual Integrations
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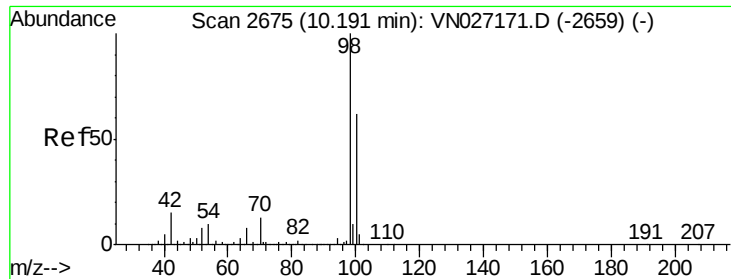
MMDadoda
9/18/2015 12:17:32 PM



#50
1,4-Dioxane
Concen: 938.89 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	110979		
43	38.6	27.6	41.4	
58	78.2	63.1	94.7	





#51

Toluene-d8

Concen: 49.23 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 98 Resp: 1444934

Ion Ratio Lower Upper

98 100

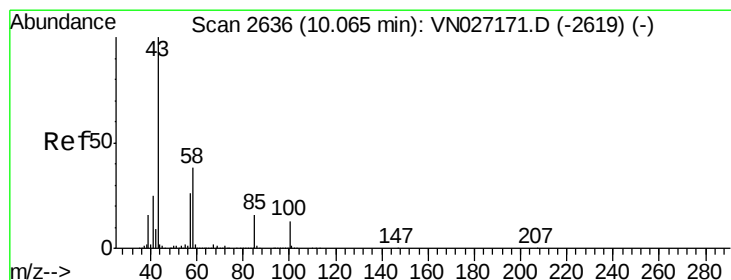
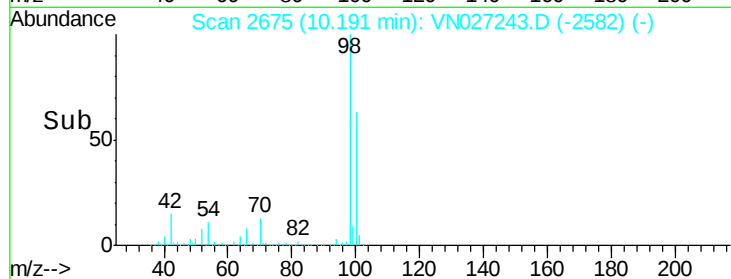
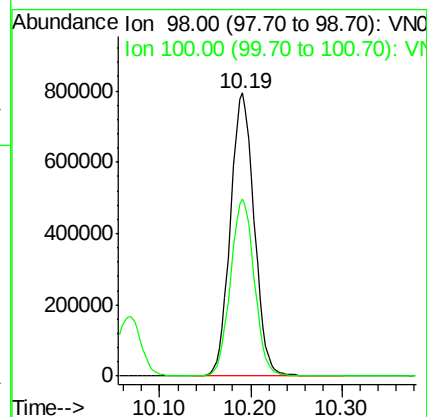
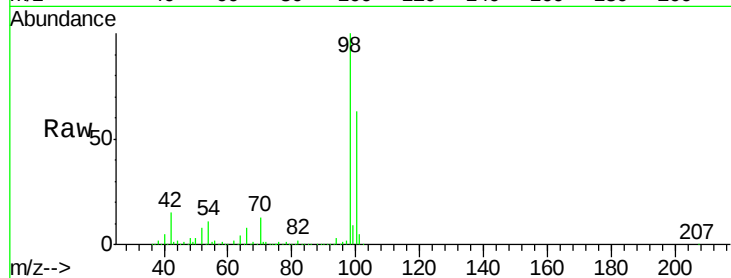
100 62.5 50.5 75.7

Manual Integrations

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9/18/2015 12:17:32 PM



#52

4-Methyl-2-Pentanone

Concen: 229.68 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027243.D

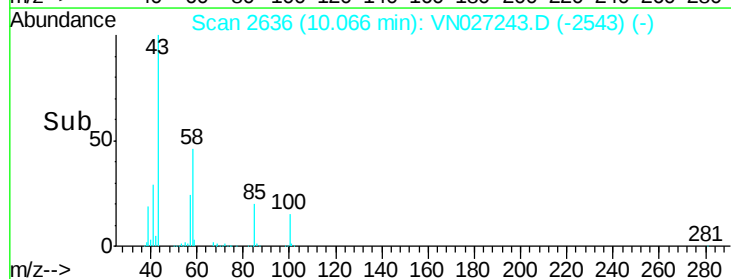
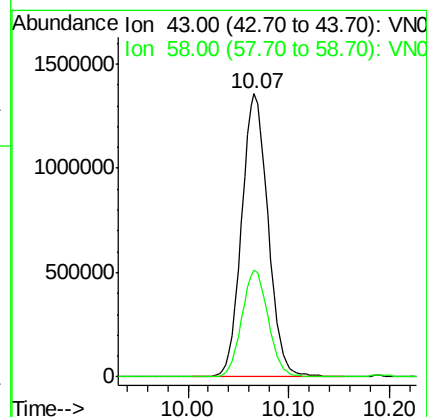
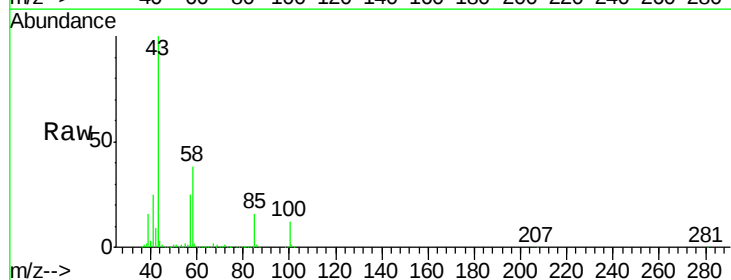
Acq: 17 Sep 2015 9:31

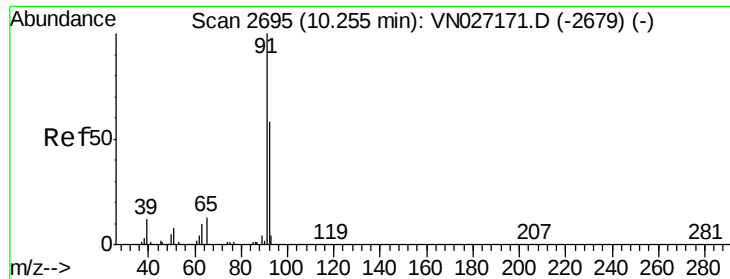
Tgt Ion: 43 Resp: 2456473

Ion Ratio Lower Upper

43 100

58 37.7 29.8 44.8





#53

Toluene

Concen: 49.94 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 92 Resp: 1080438

Ion Ratio Lower Upper

92 100

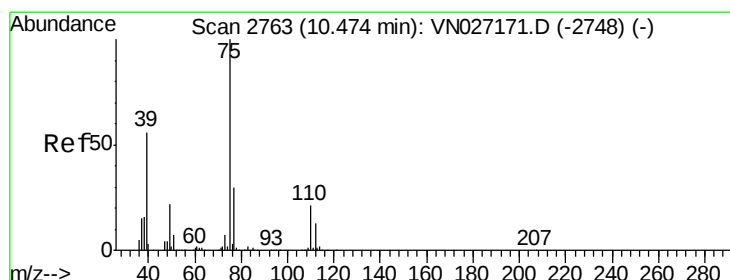
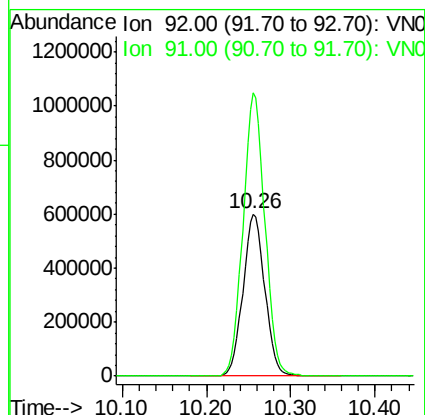
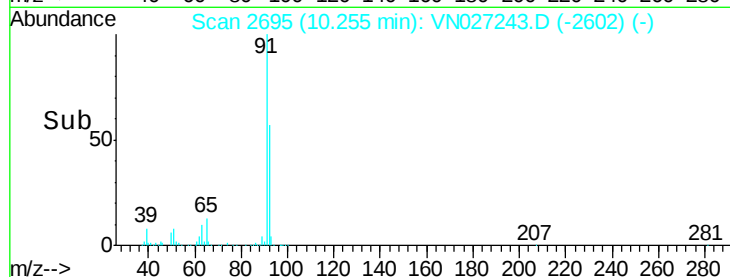
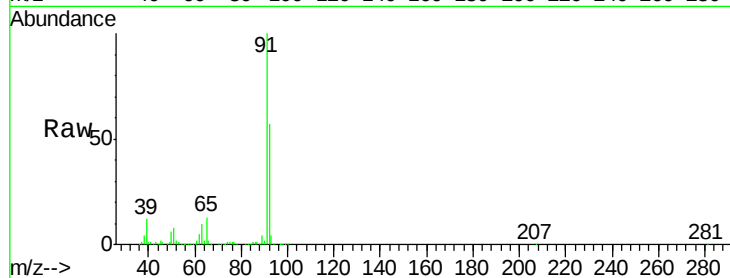
91 175.6 141.4 212.2

Manual Integrations

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9/18/2015 12:17:32 PM



#54

t-1,3-Dichloropropene

Concen: 48.25 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027243.D

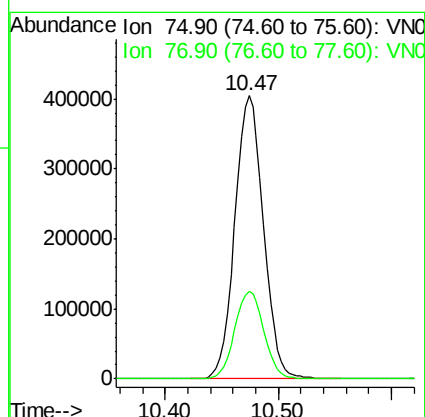
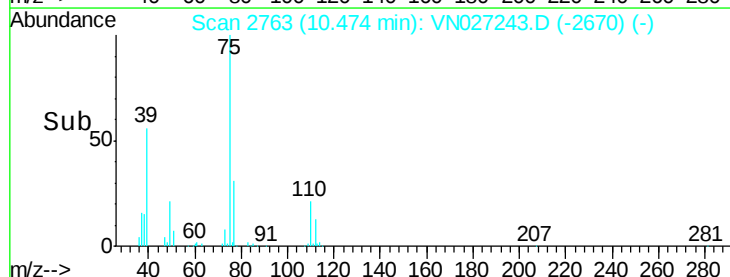
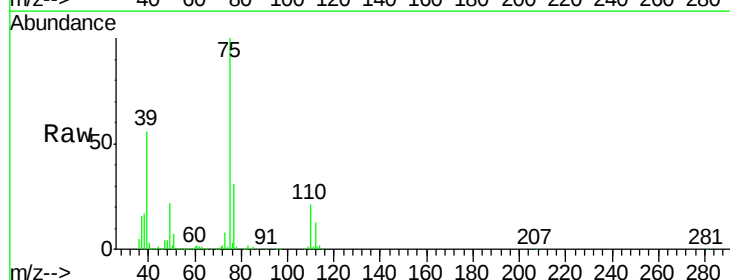
Acq: 17 Sep 2015 9:31

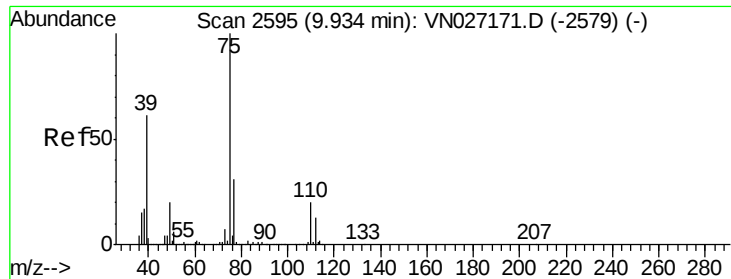
Tgt Ion: 75 Resp: 712381

Ion Ratio Lower Upper

75 100

77 30.7 25.4 38.2





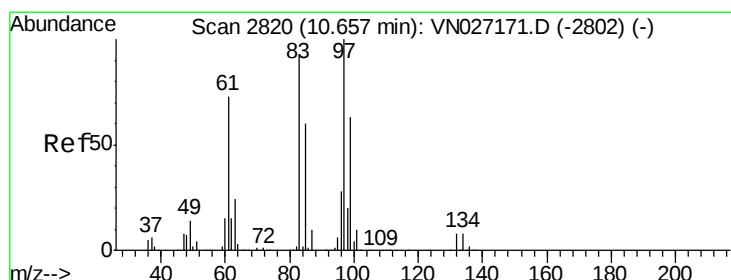
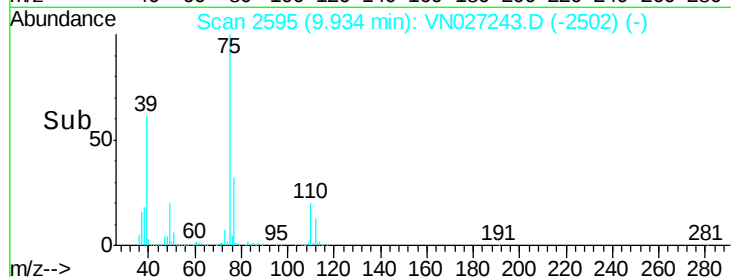
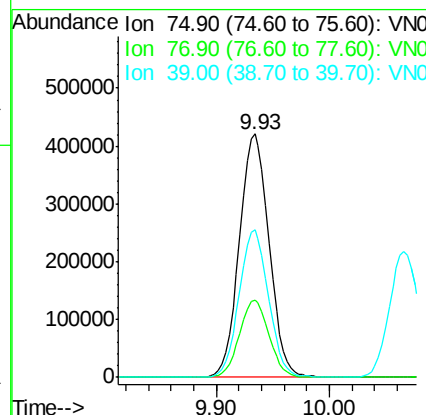
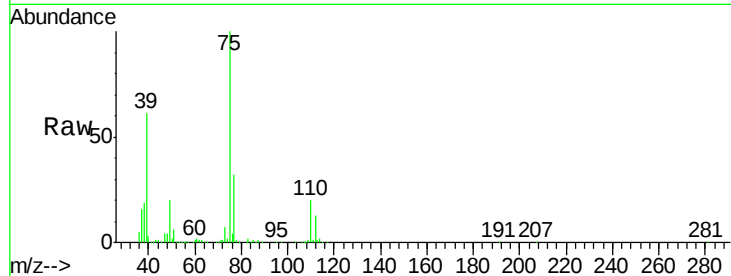
#55
 cis-1,3-Dichloropropene
 Concen: 48.02 ug/l
 RT: 9.93 min Scan# 2595
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.6	38.4
39	60.7	41.6	62.4

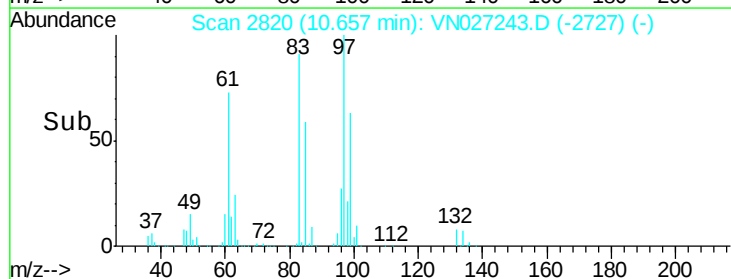
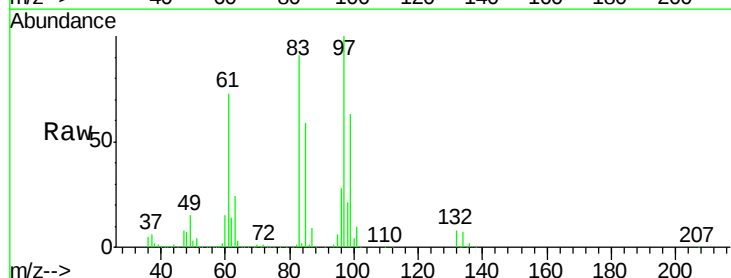
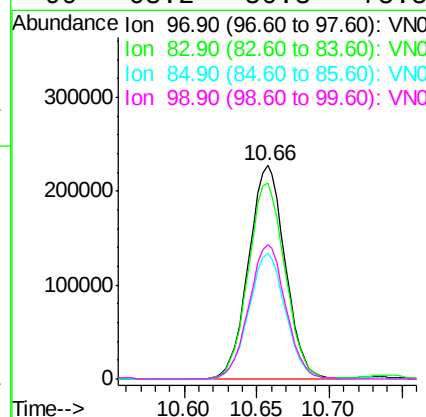
Manual Integrations
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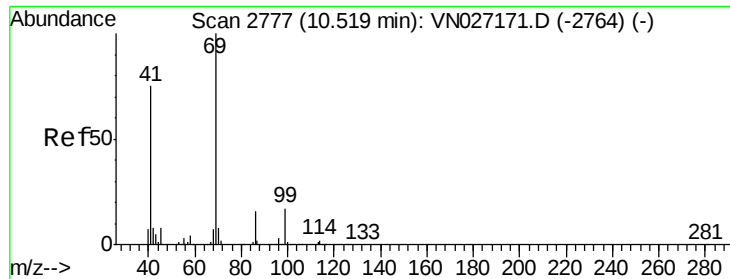
MMDadoda
 9/18/2015 12:17:32 PM



#56
 1,1,2-Trichloroethane
 Concen: 49.06 ug/l
 RT: 10.66 min Scan# 2820
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.4	75.0	112.4
85	58.8	48.0	72.0
99	63.2	50.3	75.5





#57

Ethyl methacrylate

Concen: 47.85 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

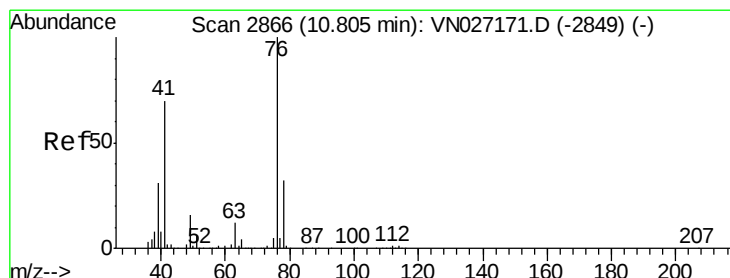
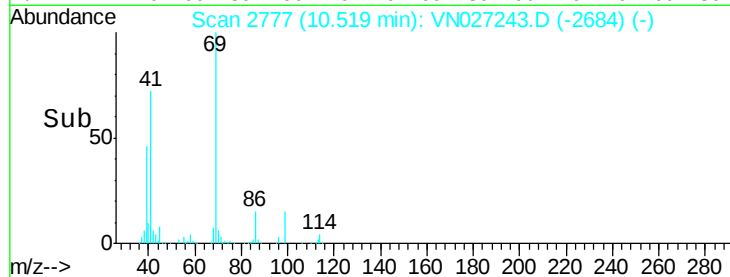
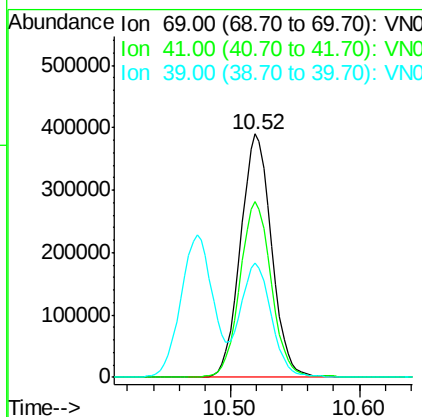
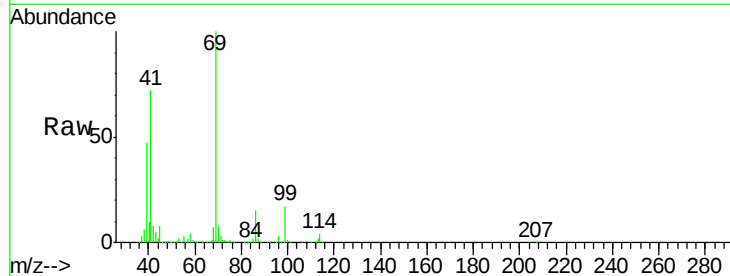
ClientSampled :

VSTDCCC050

Tot Ion:	69	Resp:	655646
Ion Ratio	Lower	Upper	
69	100		
41	71.7	61.3	91.9
39	46.9	28.4	42.6

Manual Integrations
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#58

1,3-Dichloropropane

Concen: 49.20 ug/l

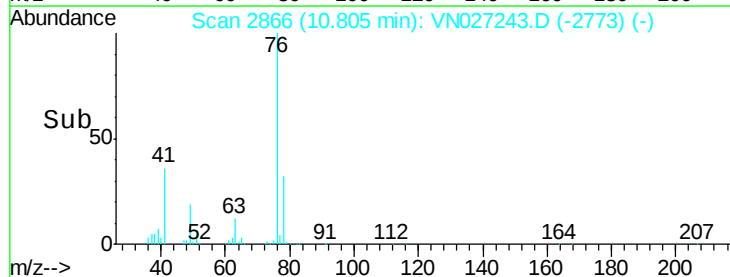
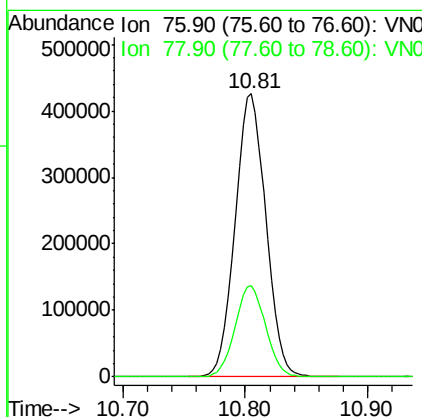
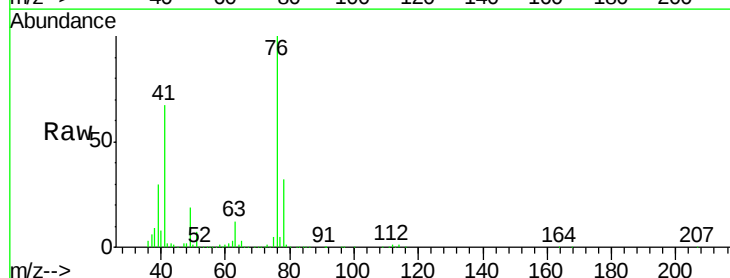
RT: 10.81 min Scan# 2866

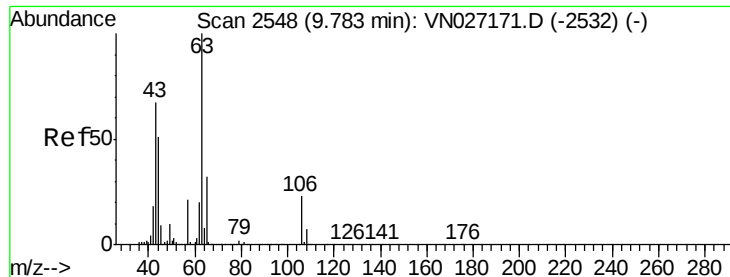
Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Tgt Ion:	76	Resp:	742574
Ion Ratio	Lower	Upper	
76	100		
78	32.0	25.0	37.6





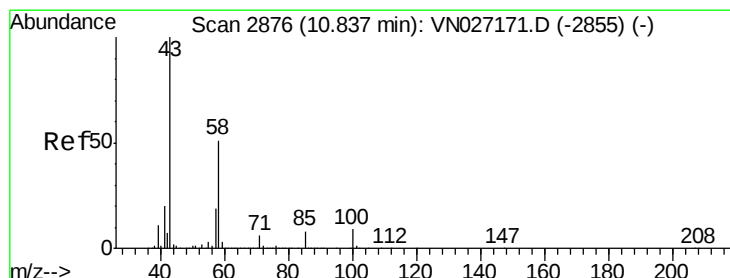
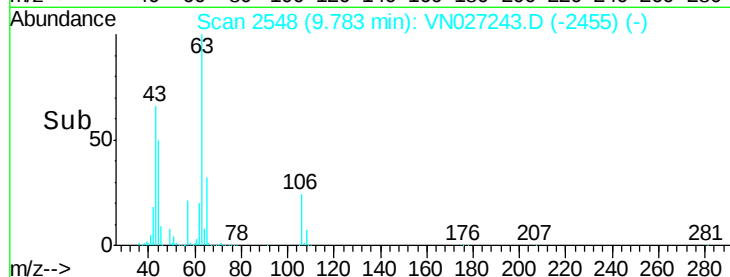
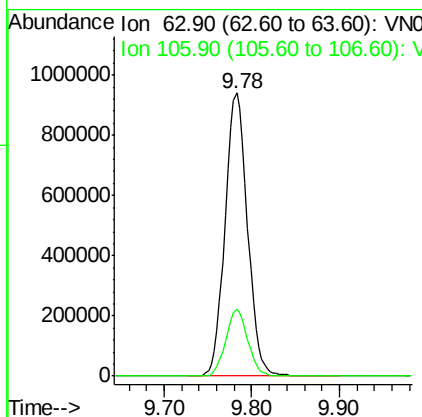
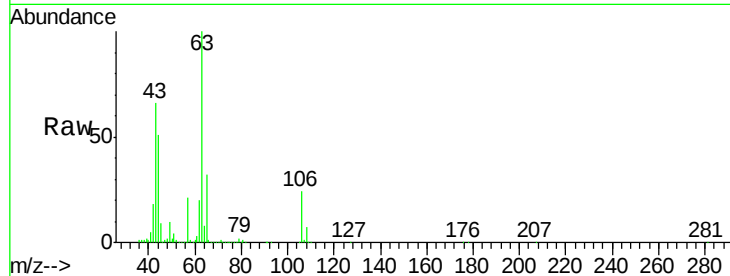
#59
2-Chloroethyl Vinyl ether
Concen: 266.41 ug/l
RT: 9.78 min Scan# 2548
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 63 Resp: 1676028
Ion Ratio Lower Upper
63 100
106 23.1 17.7 26.5

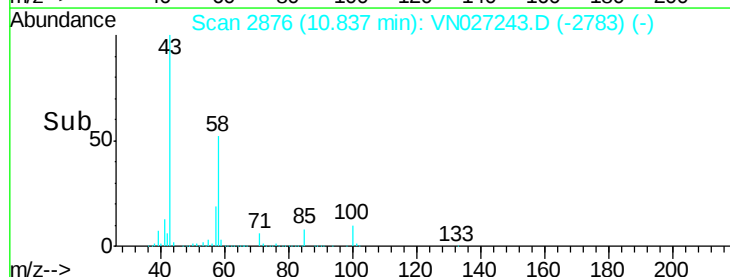
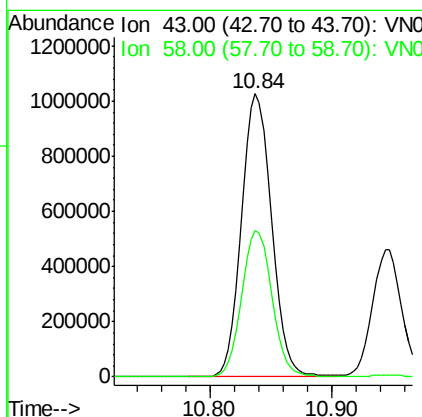
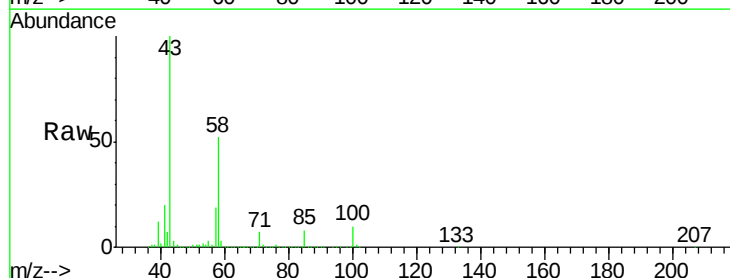
Manual Integrations
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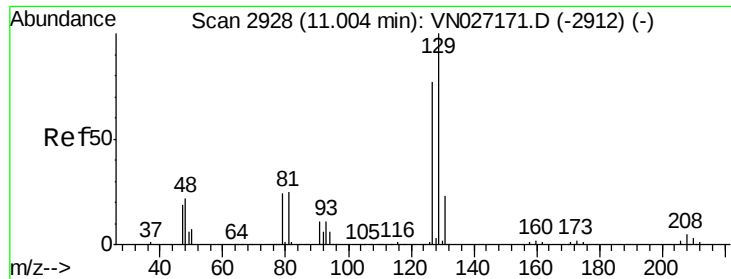
MMDadoda
9/18/2015 12:17:32 PM



#60
2-Hexanone
Concen: 239.45 ug/l
RT: 10.84 min Scan# 2876
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion: 43 Resp: 1743609
Ion Ratio Lower Upper
43 100
58 52.1 26.2 78.5





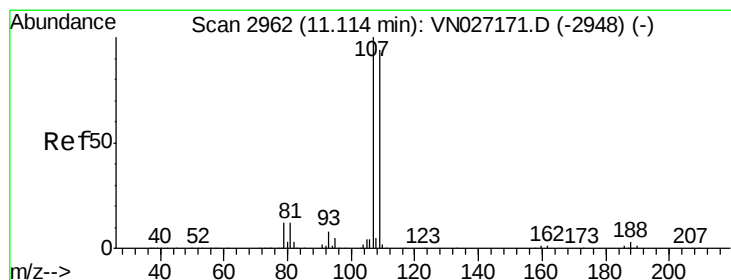
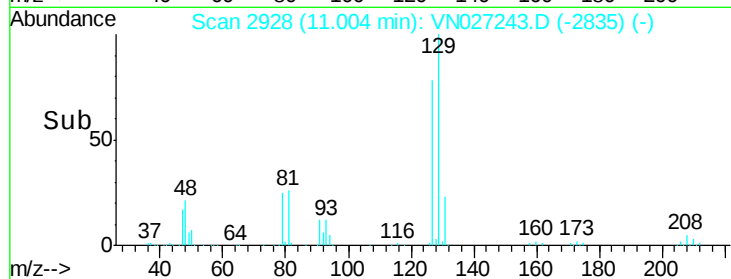
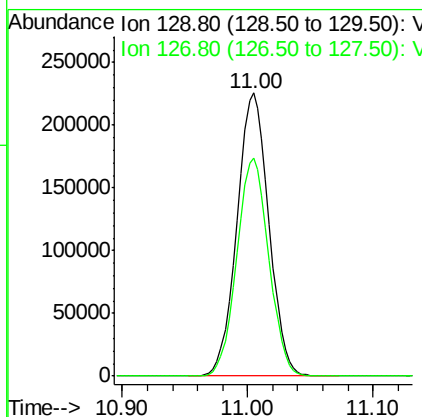
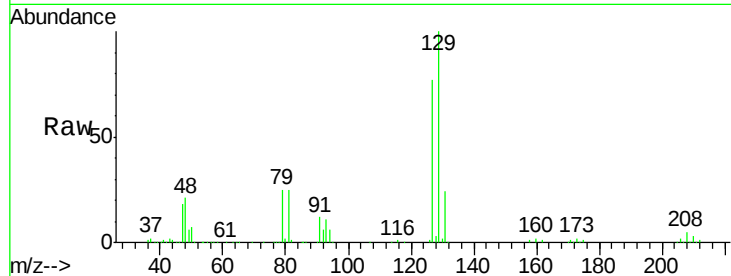
#61
 Dibromochloromethane
 Concen: 47.96 ug/l
 RT: 11.00 min Scan# 2928
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.1	39.1	117.2

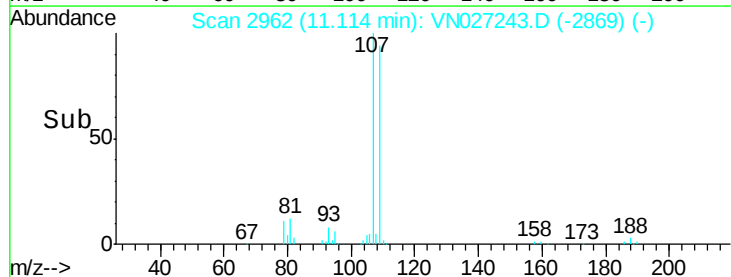
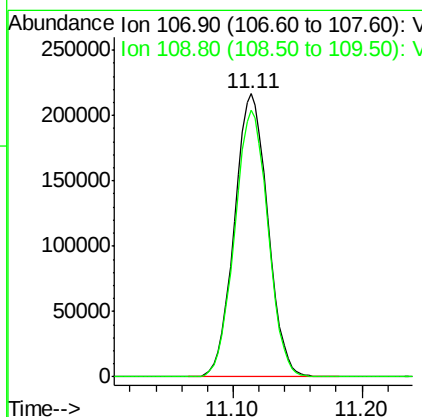
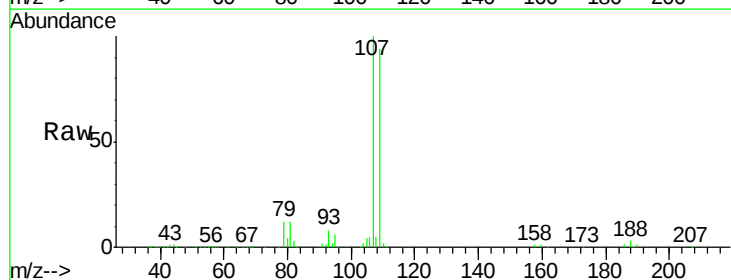
Manual Integrations
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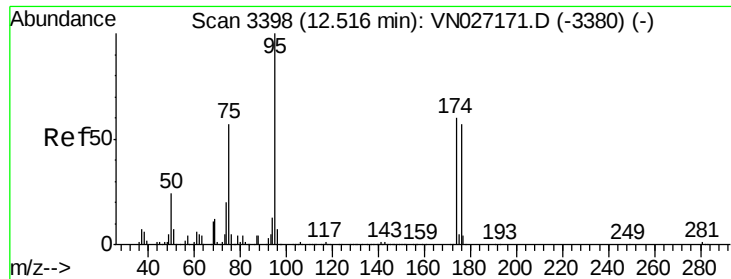
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#62
 1,2-Dibromoethane
 Concen: 48.75 ug/l
 RT: 11.11 min Scan# 2962
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.6	113.4





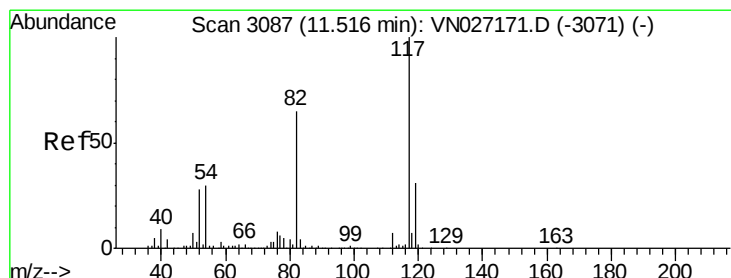
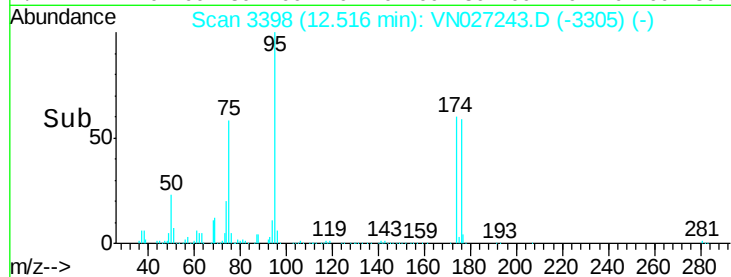
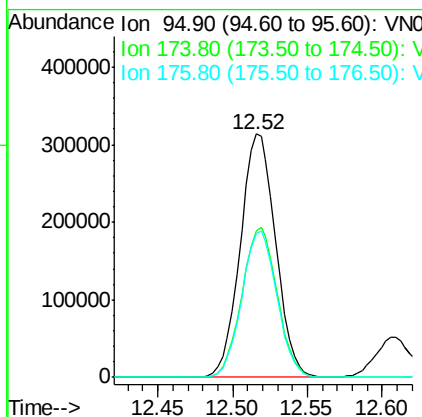
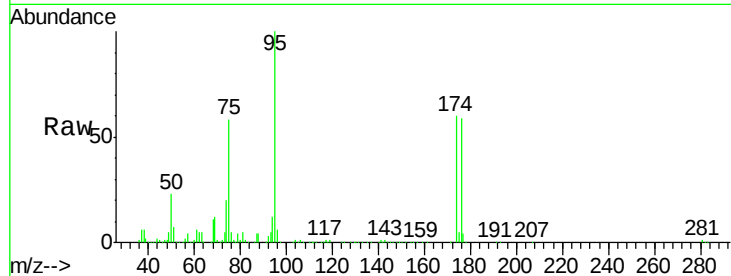
#63
4-Bromofluorobenzene
Concen: 49.57 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
95	100	516418		
174	61.7	0.0	137.0	
176	59.5	0.0	130.8	

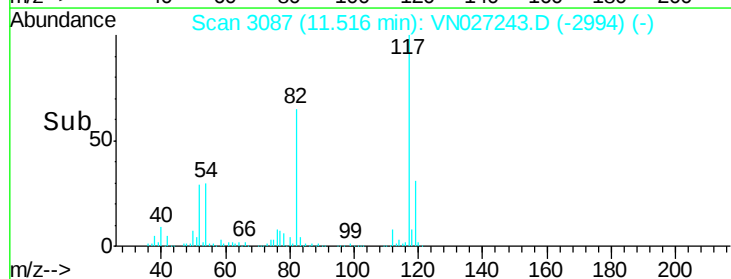
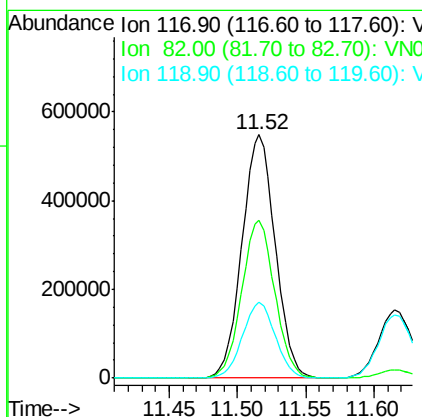
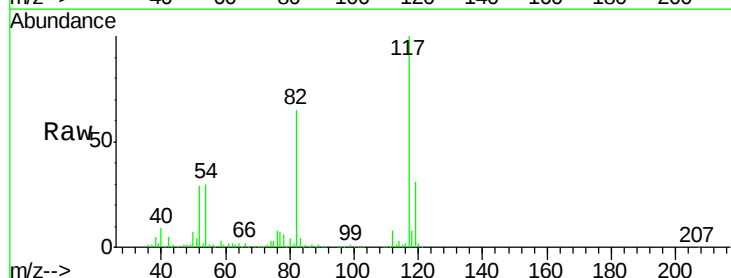
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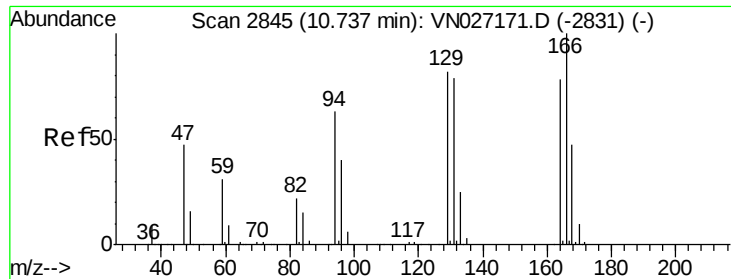
MMDadoda
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#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	926717		
82	64.7	49.6	74.4	
119	31.0	24.6	36.8	





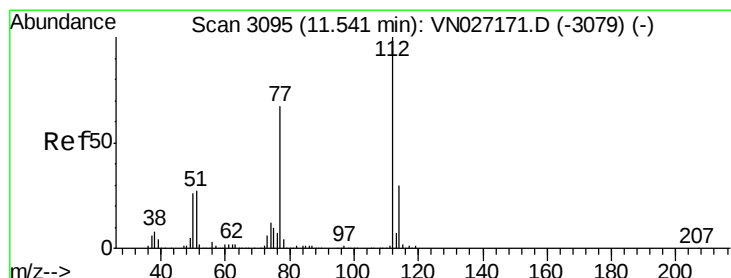
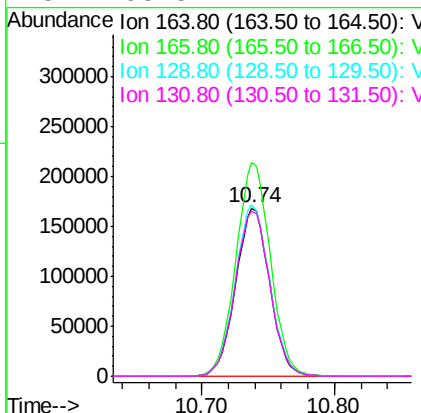
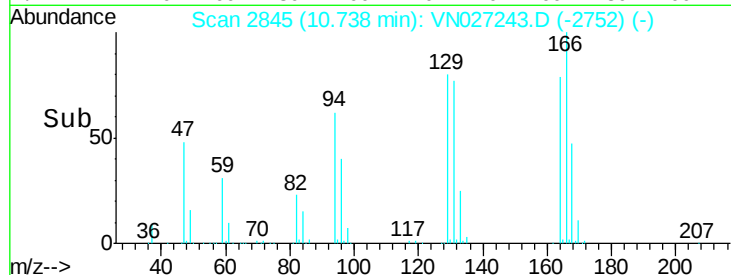
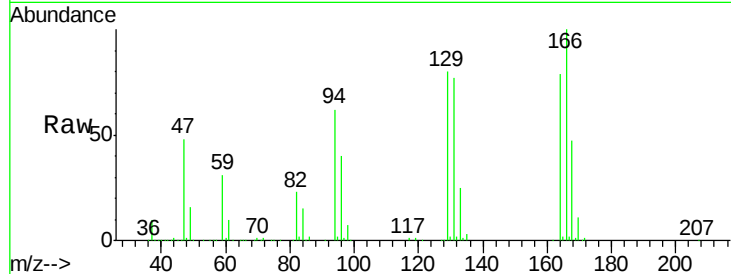
#65
 Tetrachloroethene
 Concen: 50.36 ug/l
 RT: 10.74 min Scan# 2845
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion:	164	Resp:	298436
Ion Ratio	Lower	Upper	
164	100		
166	127.2	103.4	155.0
129	101.8	77.5	116.3
131	98.5	74.2	111.4

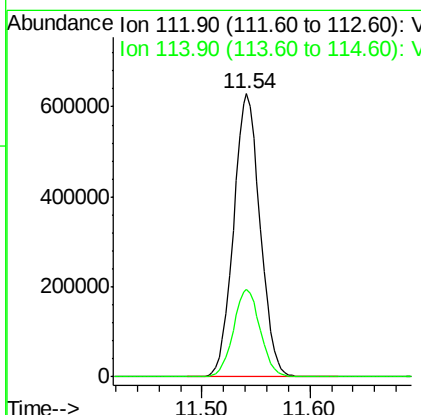
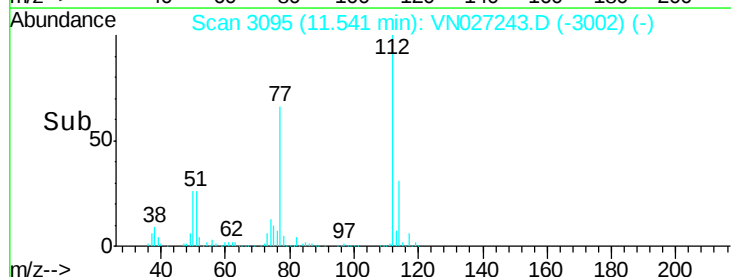
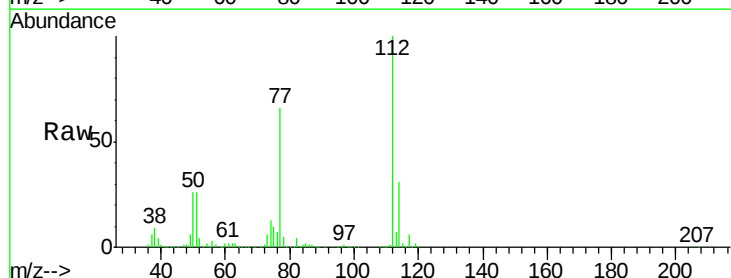
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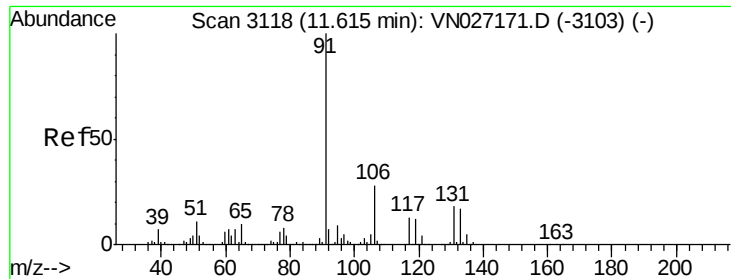
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#66
 Chlorobenzene
 Concen: 49.29 ug/l
 RT: 11.54 min Scan# 3095
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion:	112	Resp:	1078289
Ion Ratio	Lower	Upper	
112	100		
114	31.0	24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 48.55 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

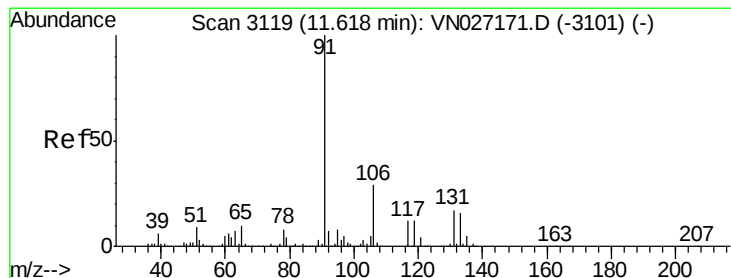
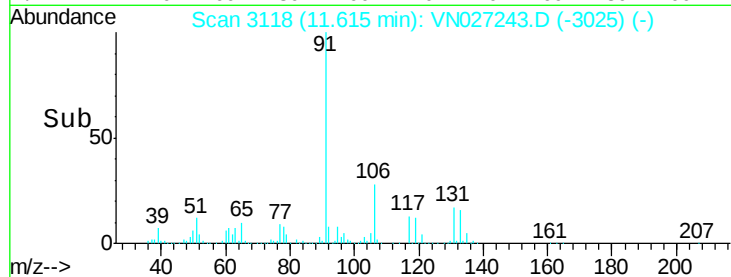
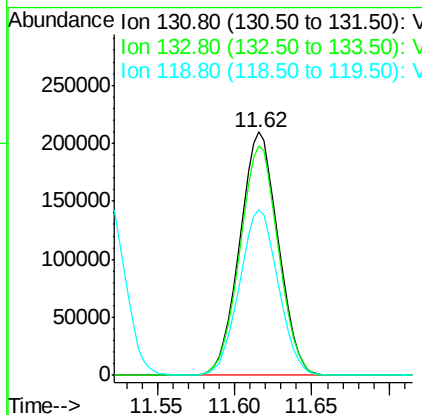
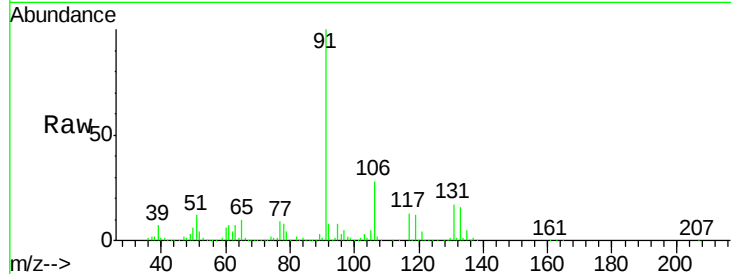
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.5	47.0	141.2
119	68.8	35.1	105.5

Manual Integrations
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#68

Ethyl Benzene

Concen: 50.11 ug/l

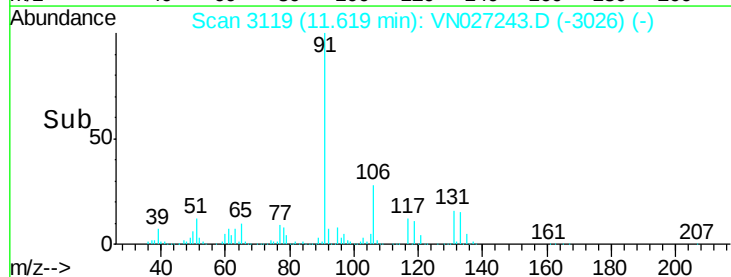
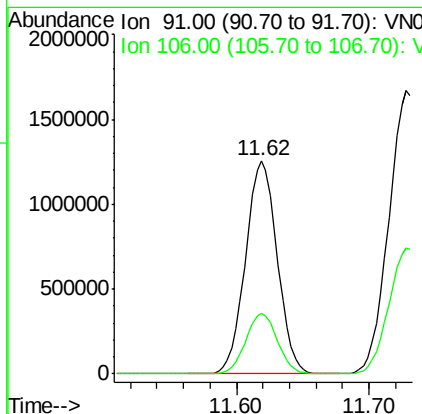
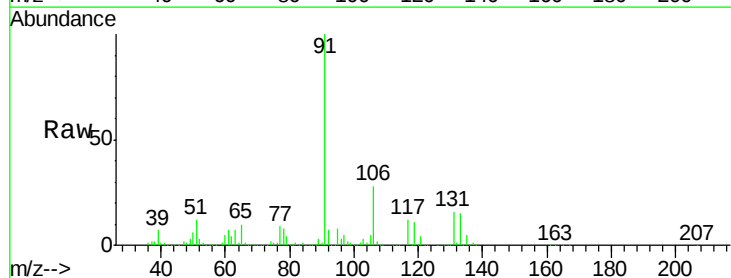
RT: 11.62 min Scan# 3119

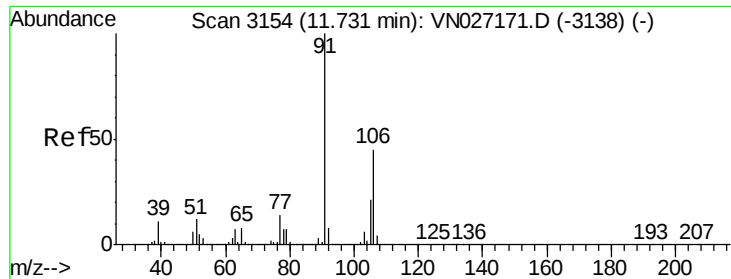
Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.3	23.1	34.7





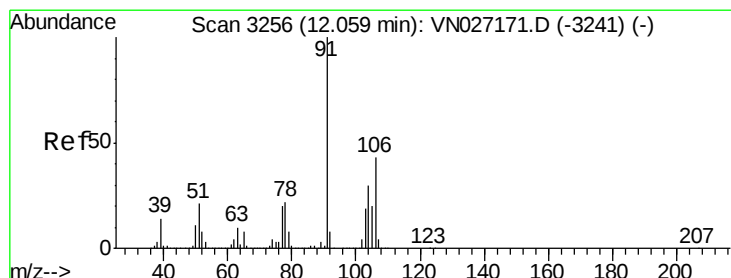
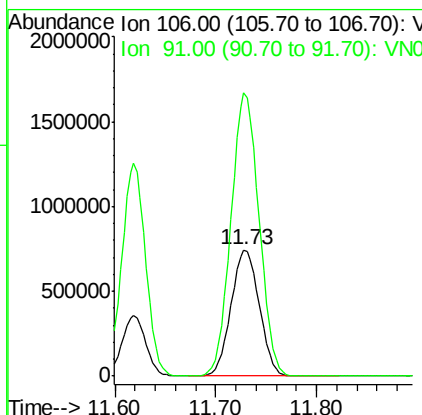
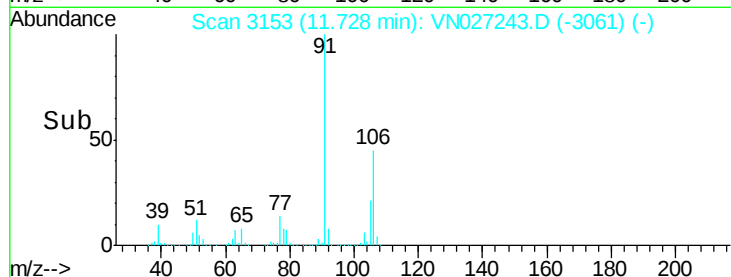
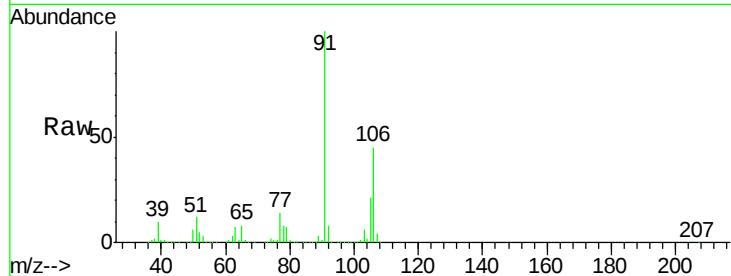
#69
m/p-Xylenes
Concen: 101.16 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 1447951
Ion Ratio Lower Upper
106 100
91 222.6 167.1 250.7

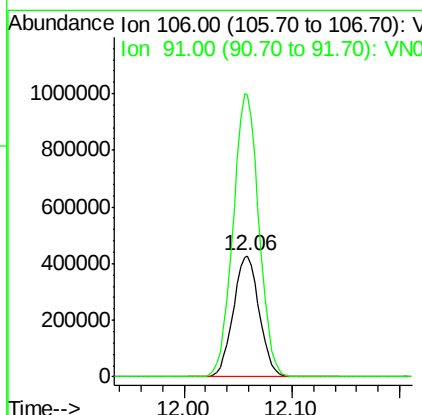
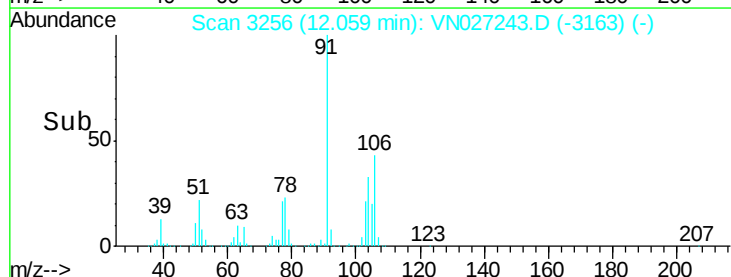
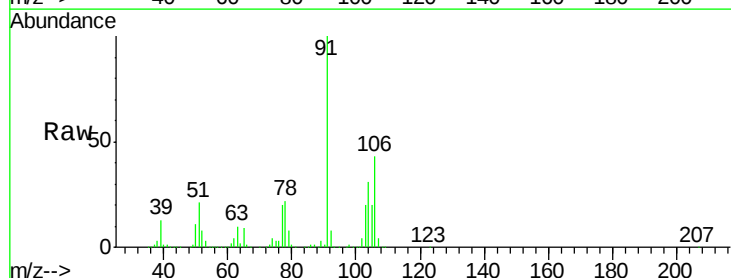
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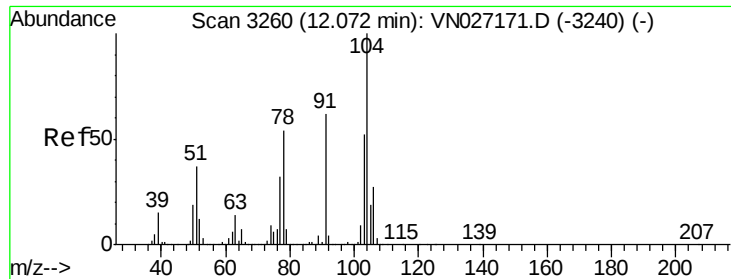
MMDadoda
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#70
o-Xylene
Concen: 49.88 ug/l
RT: 12.06 min Scan# 3256
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion:106 Resp: 715747
Ion Ratio Lower Upper
106 100
91 233.2 110.7 331.9





#71

Stvrene

Concen: 51.19 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:104 Resp: 1185811

Ion Ratio Lower Upper

104 100

78 58.1 41.6 62.4

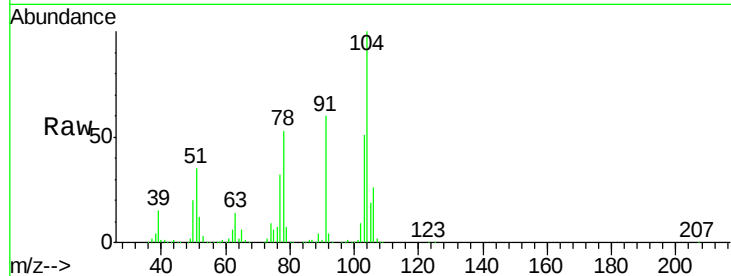
103 54.8 44.2 66.2

Manual Integrations

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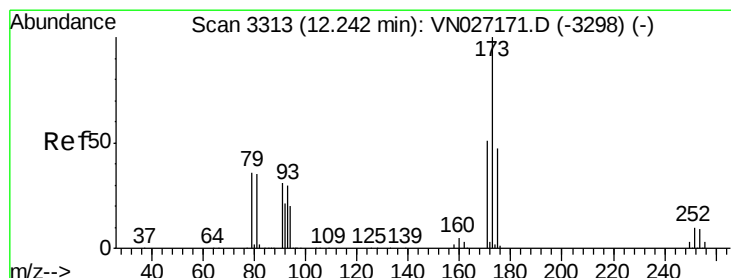
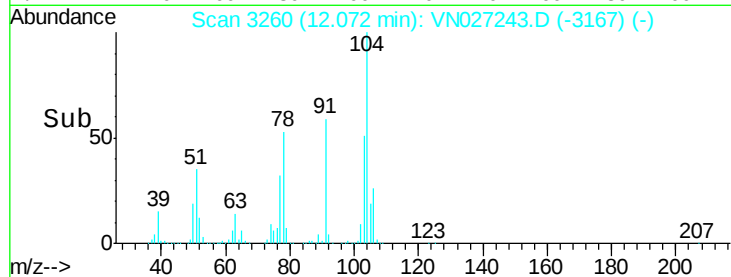
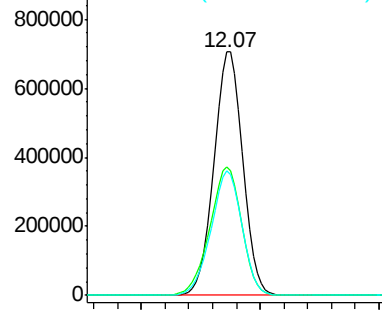
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Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#72

Bromoform

Concen: 46.98 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

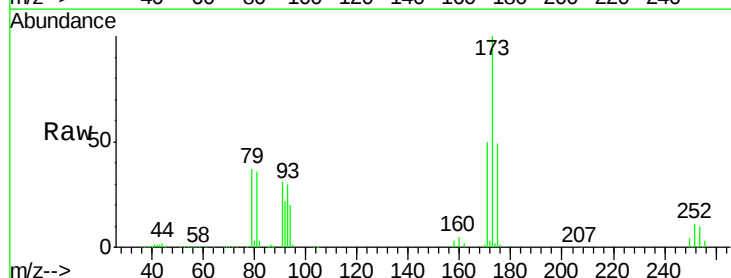
Tgt Ion:173 Resp: 243794

Ion Ratio Lower Upper

173 100

175 48.8 24.4 73.4

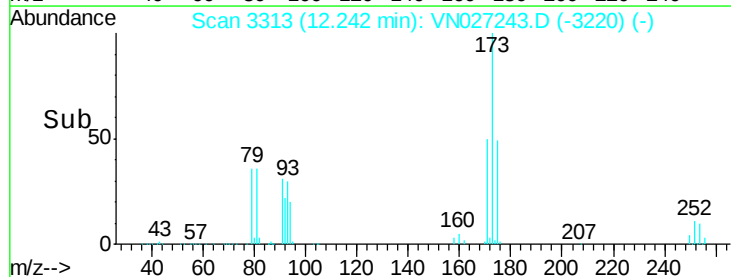
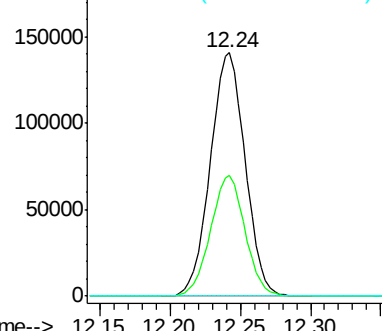
254 0.1 0.1 0.1#

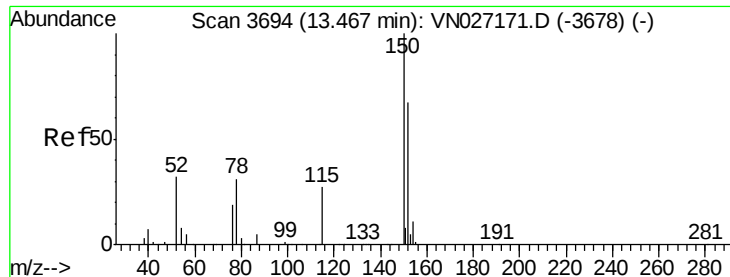


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:152 Resp: 357832

Ion Ratio Lower Upper

152 100

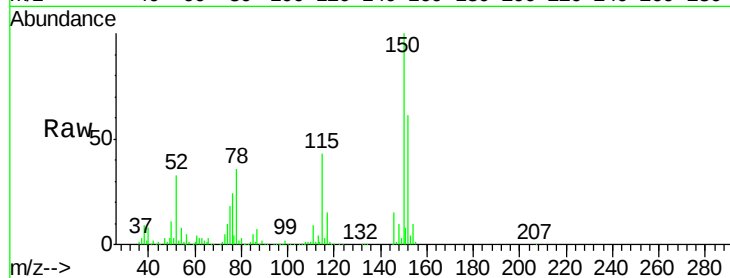
115 68.4 30.8 92.3

150 178.3 0.0 345.0

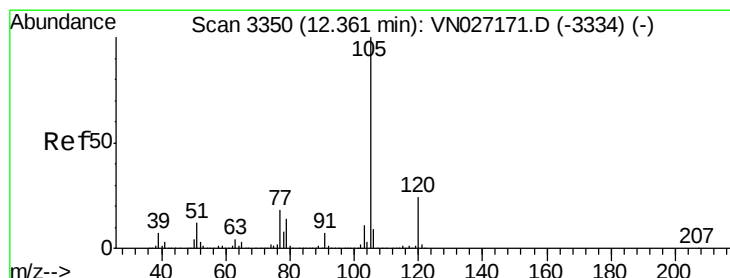
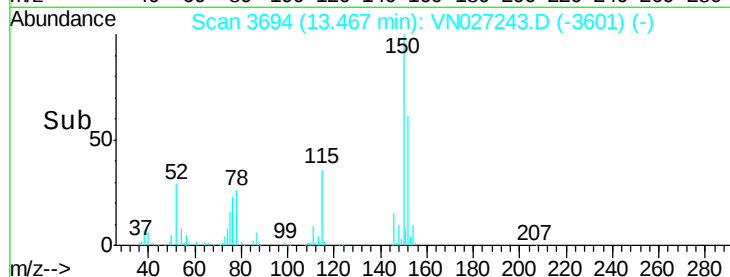
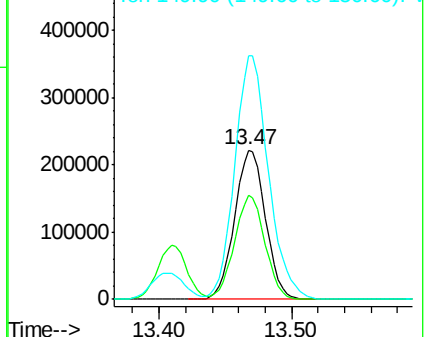
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#74

Isopropylbenzene

Concen: 48.99 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027243.D

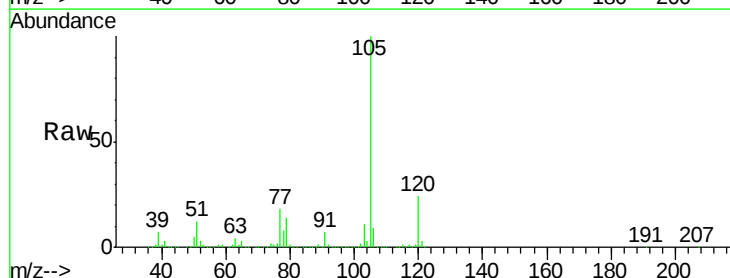
Acq: 17 Sep 2015 9:31

Tgt Ion:105 Resp: 1931849

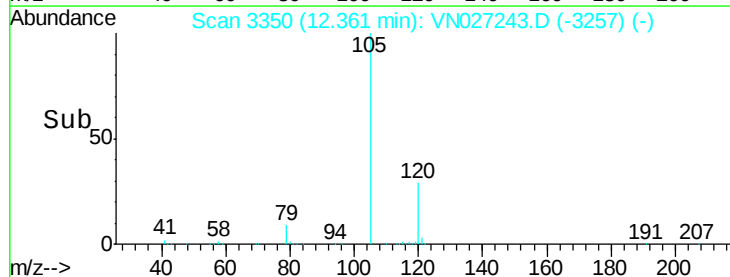
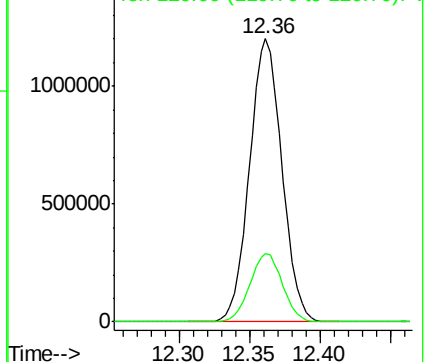
Ion Ratio Lower Upper

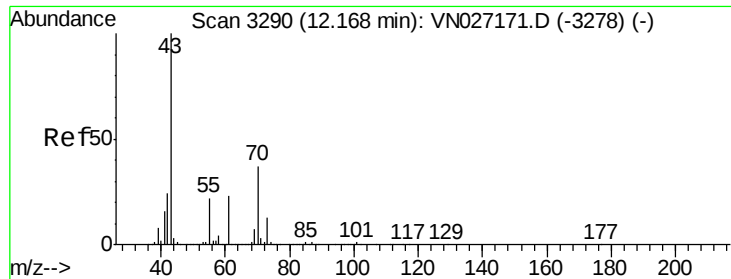
105 100

120 24.4 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: 45.53 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

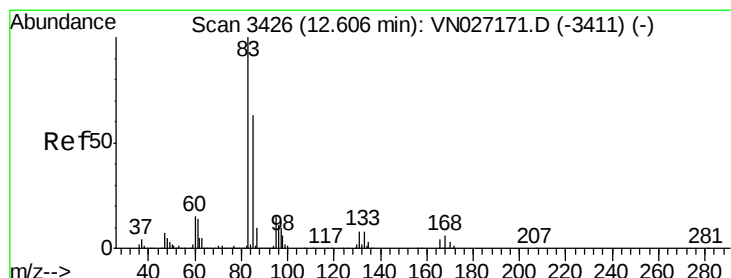
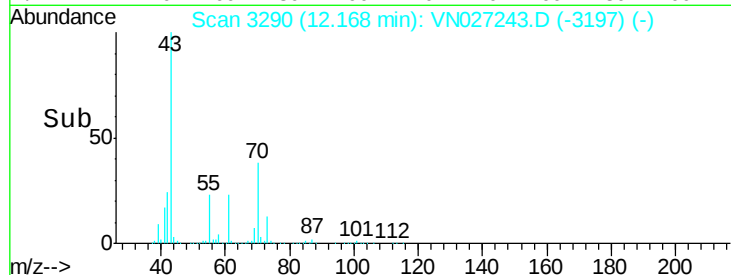
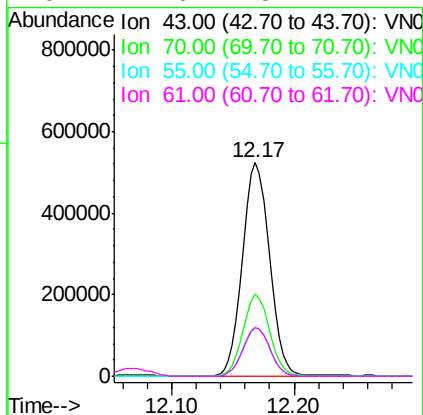
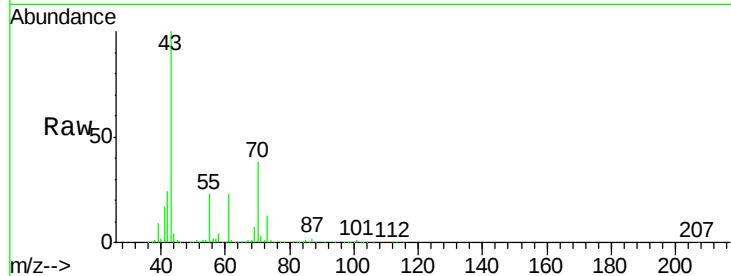
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
43	100		801169		
70	37.4	29.8	44.8		
55	22.7	19.4	29.0		
61	22.6	18.2	27.2		

Manual Integrations
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#76

1,1,2,2-Tetrachloroethane

Concen: 50.87 ug/l

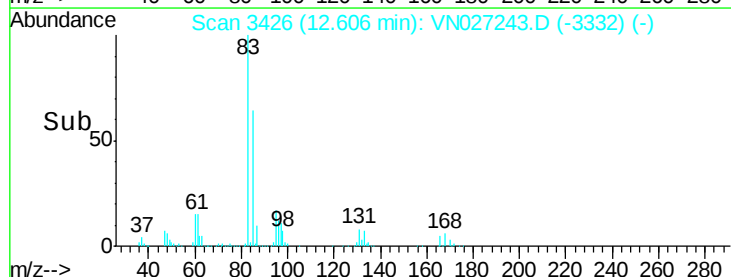
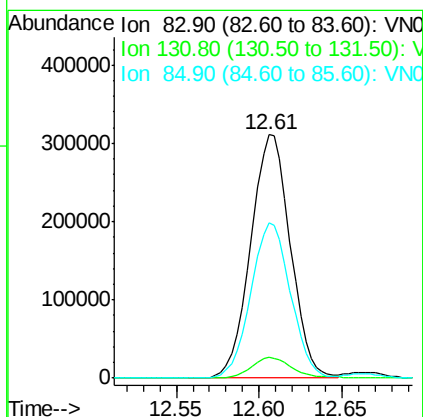
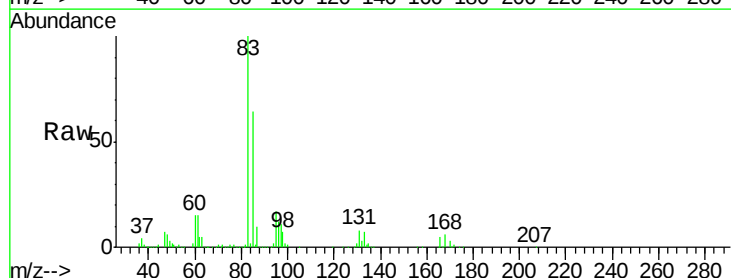
RT: 12.61 min Scan# 3426

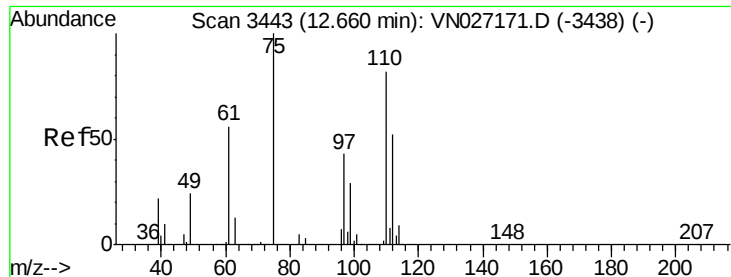
Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		517195		
131	8.8	4.1	12.3		
85	63.7	31.9	95.7		





#77

1,2,3-Trichloropropane

Concen: 42.01 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampled :

VSTDCCC050

Tot Ion: 75 Resp: 454369

Ion Ratio Lower Upper

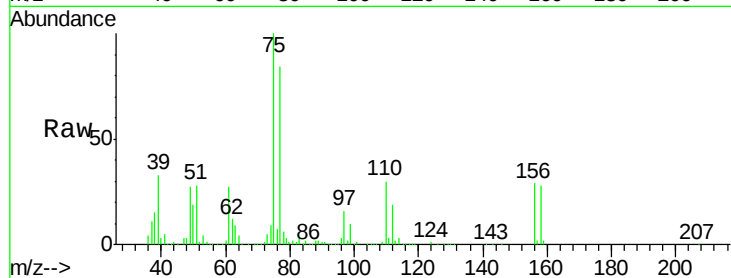
75 100

77 221.3 103.1 309.3

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Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3438) (-)

Ion 77.00 (76.70 to 77.70): VN027171.D (-3438) (-)

600000

500000

400000

300000

200000

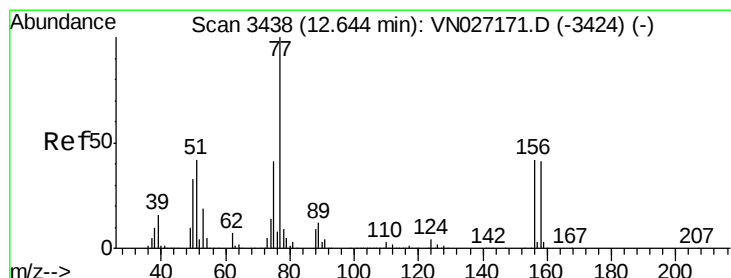
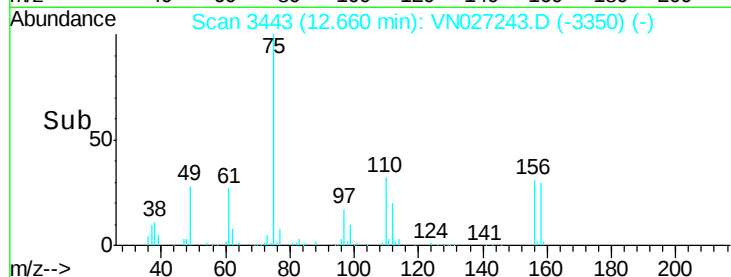
100000

0

12.65

12.70

Time-->



#78

Bromobenzene

Concen: 48.33 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

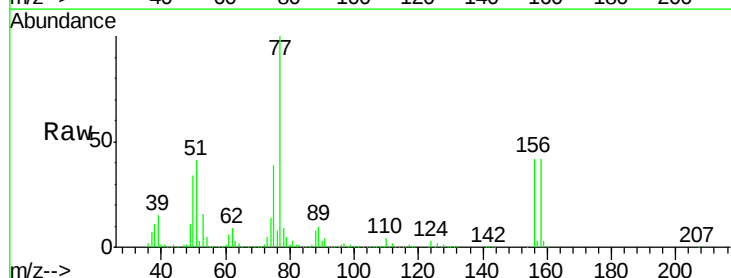
Tgt Ion: 156 Resp: 373733

Ion Ratio Lower Upper

156 100

77 269.1 127.3 381.9

158 98.0 48.0 144.2



Abundance Ion 155.80 (155.50 to 156.50): VN027171.D (-3424) (-)

Ion 77.00 (76.70 to 77.70): VN027171.D (-3424) (-)

Ion 157.80 (157.50 to 158.50): VN027171.D (-3424) (-)

600000

400000

200000

0

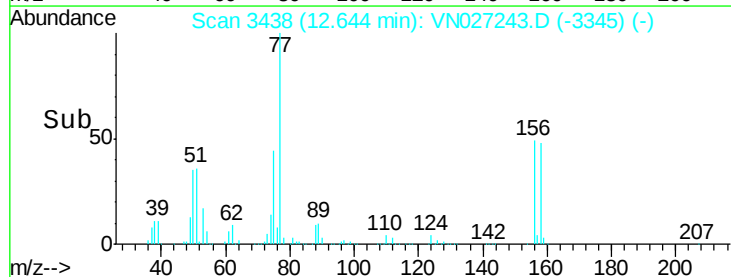
12.55

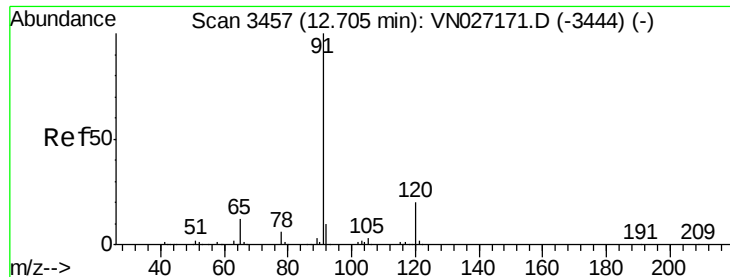
12.60

12.65

12.70

Time-->





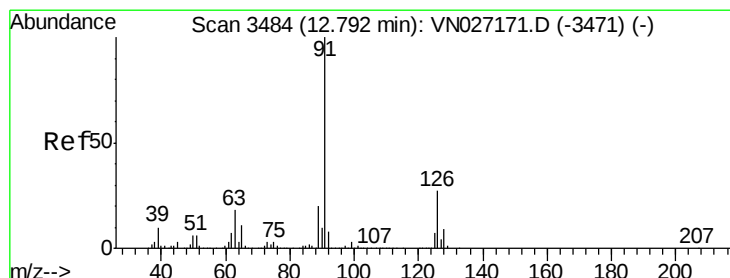
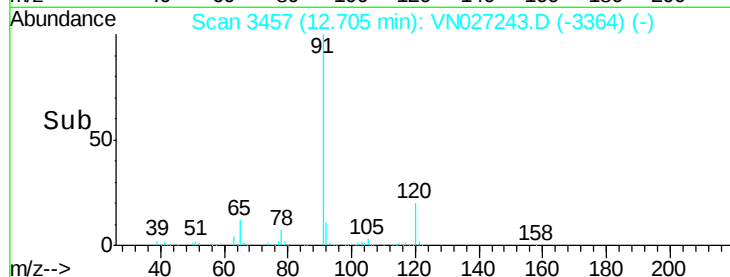
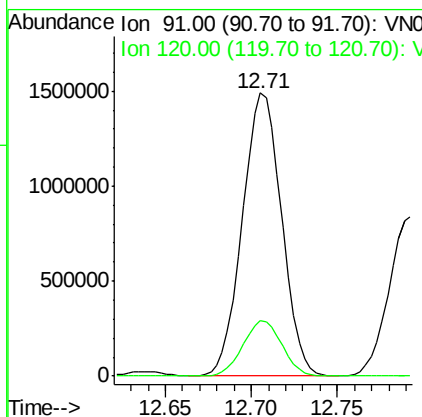
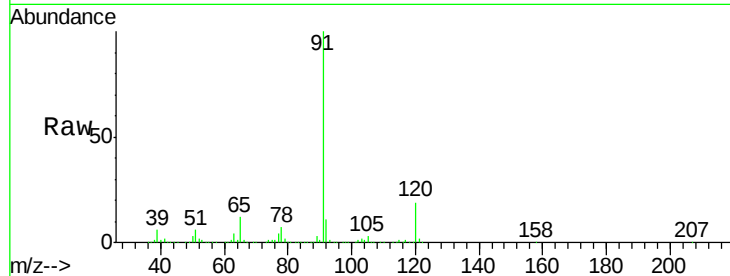
#79
n-propylbenzene
Concen: 50.64 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 2349112
Ion Ratio Lower Upper
91 100
120 19.5 10.3 30.8

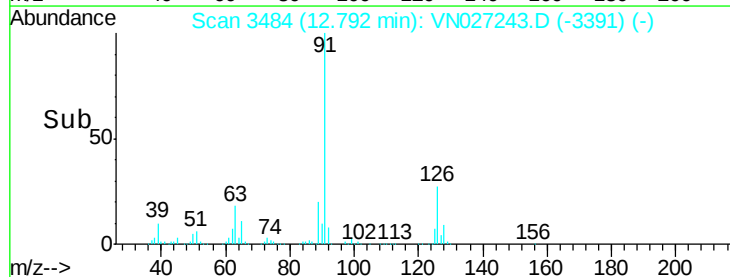
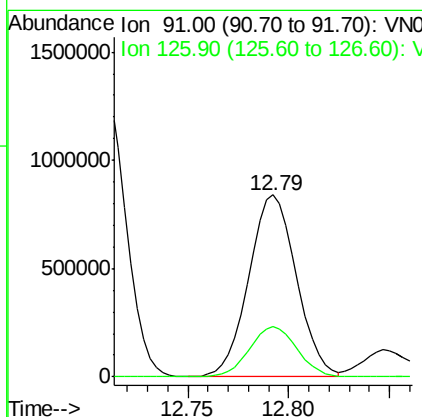
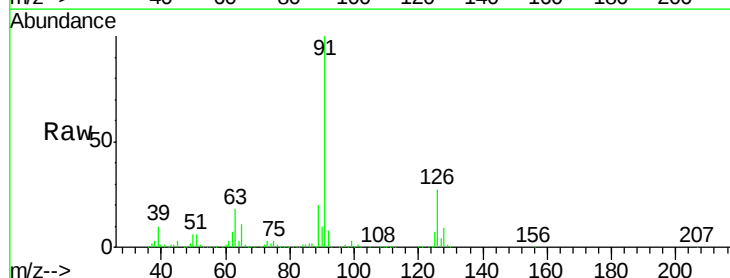
Manual Integrations
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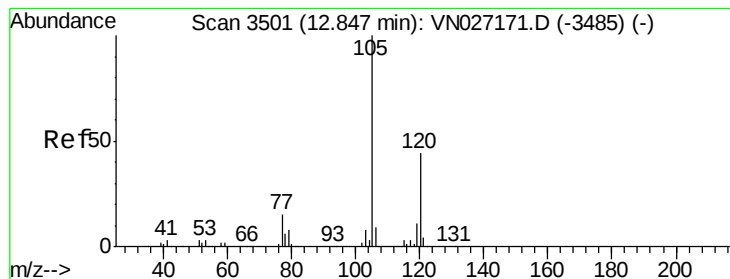
MMDadoda
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#80
2-Chlorotoluene
Concen: 49.63 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion: 91 Resp: 1382641
Ion Ratio Lower Upper
91 100
126 27.6 15.2 45.5





#81

1,3,5-Trimethylbenzene

Concen: 49.88 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1580103

Ion Ratio Lower Upper

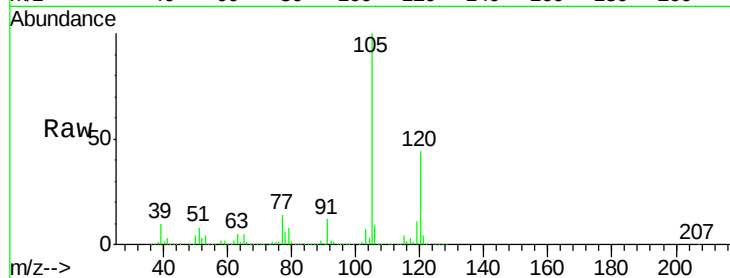
105 100

120 43.5 23.4 70.0

Manual Integrations
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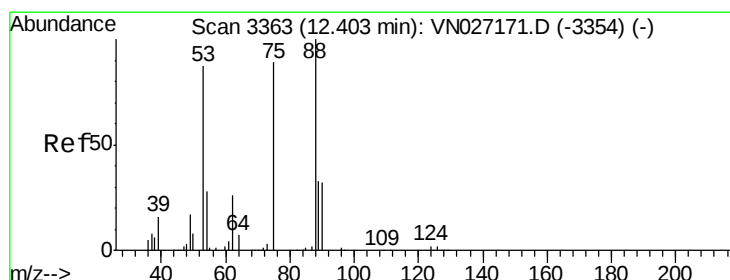
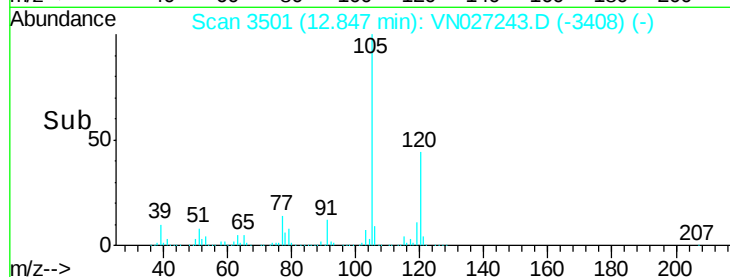
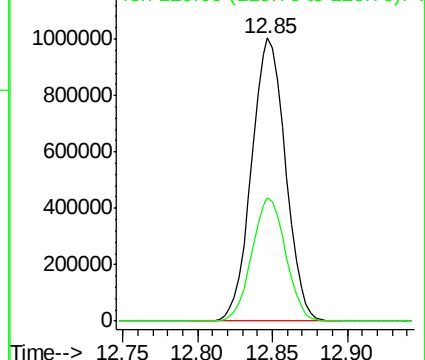
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#82

trans-1,4-Dichloro-2-butene

Concen: 44.05 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

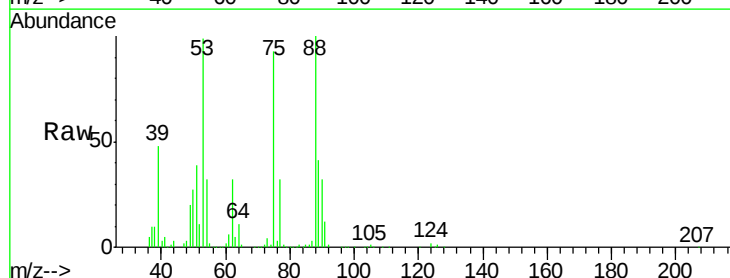
Tgt Ion: 75 Resp: 193929

Ion Ratio Lower Upper

75 100

53 104.6 92.9 139.3

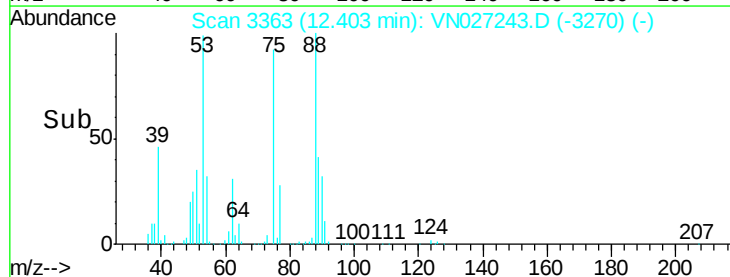
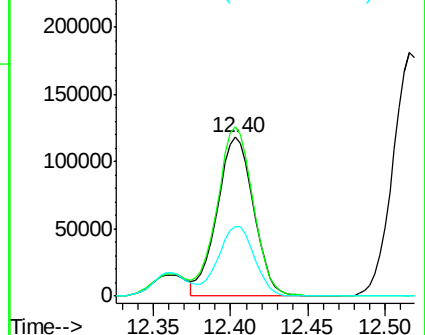
89 44.0 34.2 51.4

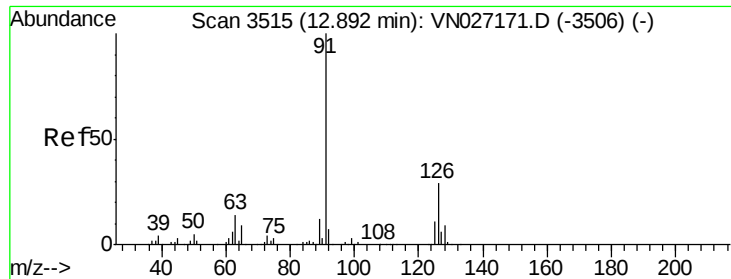


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





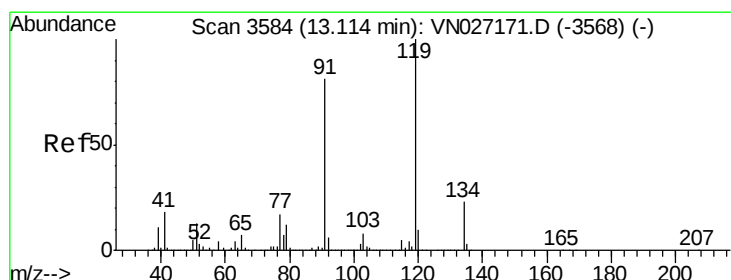
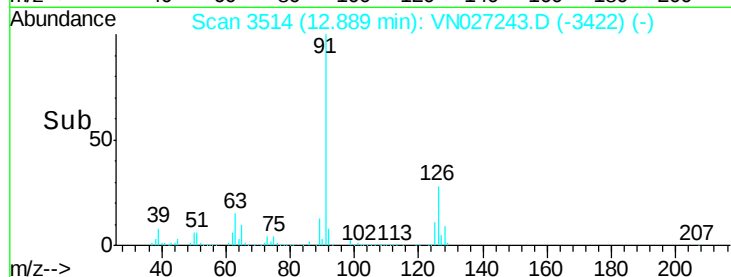
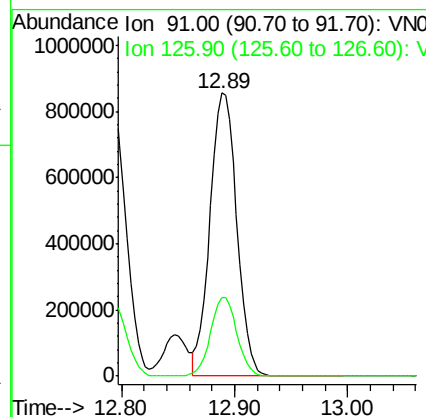
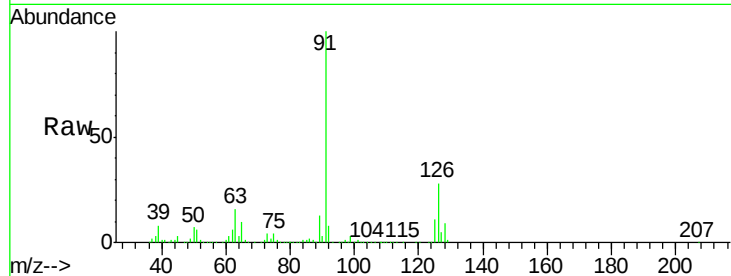
#83
4-Chlorotoluene
Concen: 51.00 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1395998
Ion Ratio Lower Upper
91 100
126 27.4 14.9 44.5

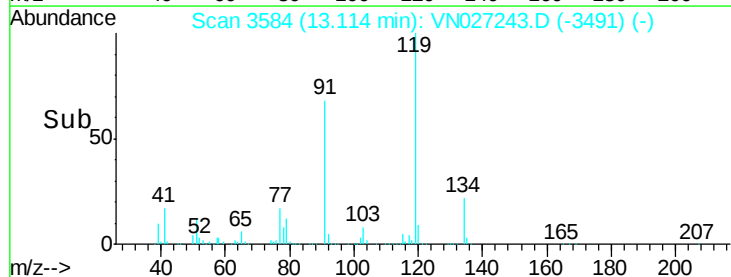
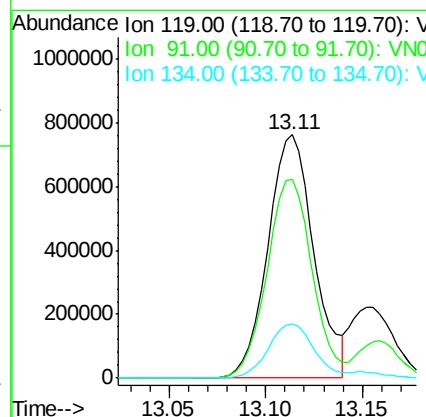
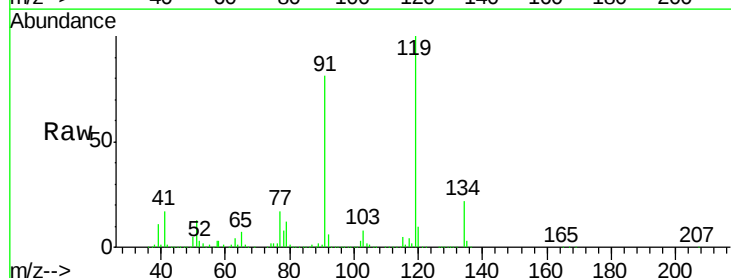
Manual Integrations
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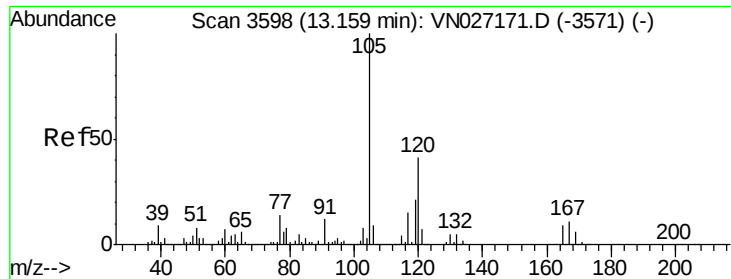
MMDadoda
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#84
tert-Butylbenzene
Concen: 48.49 ug/l
RT: 13.11 min Scan# 3584
Delta R.T. 0.00 min
Lab File: VN027243.D
Acq: 17 Sep 2015 9:31

Tgt Ion: 119 Resp: 1267249
Ion Ratio Lower Upper
119 100
91 79.7 34.6 103.8
134 22.2 11.4 34.2





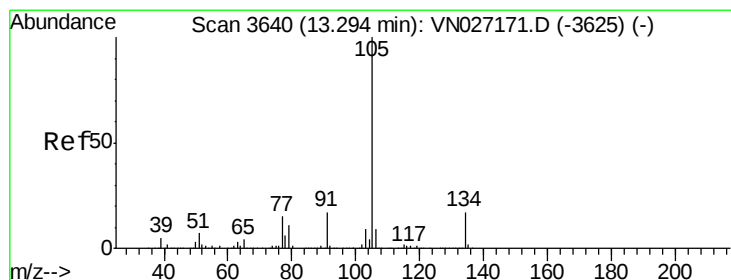
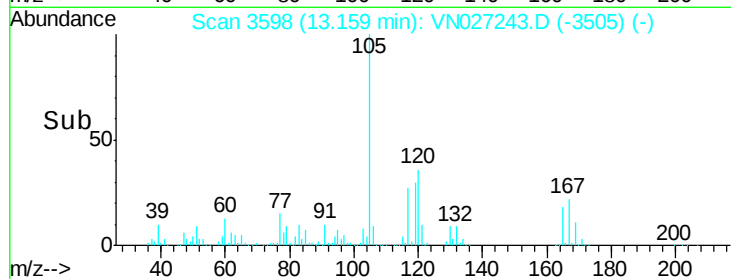
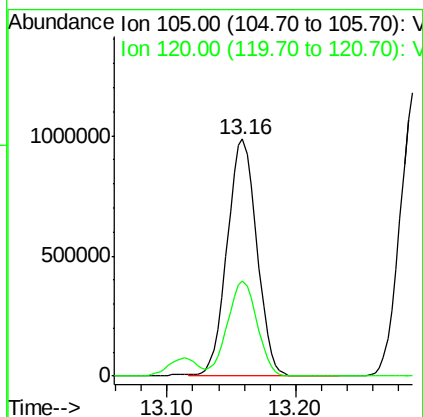
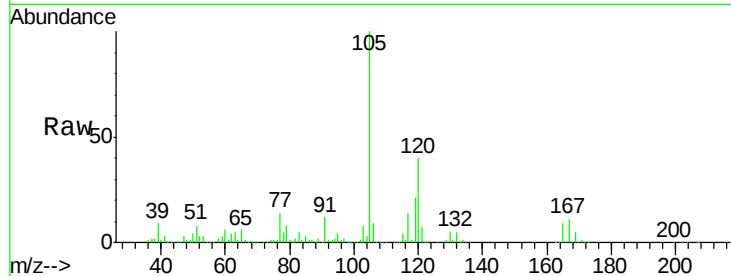
#85
 1,2,4-Trimethylbenzene
 Concen: 49.35 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDCCC050

Tot Ion:105 Resp: 1570046
 Ion Ratio Lower Upper
 105 100
 120 40.3 21.9 65.5

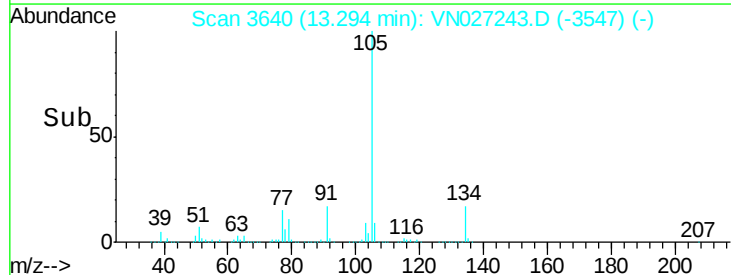
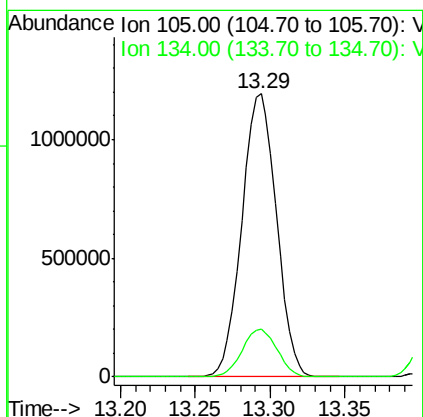
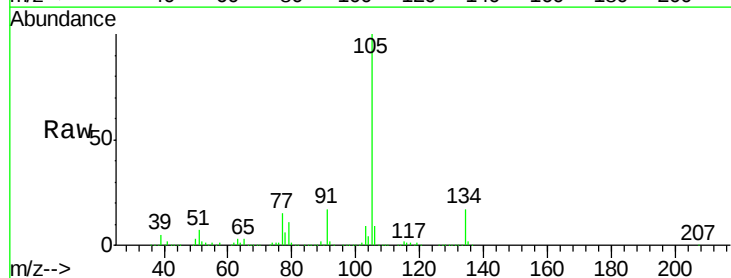
Manual Integrations
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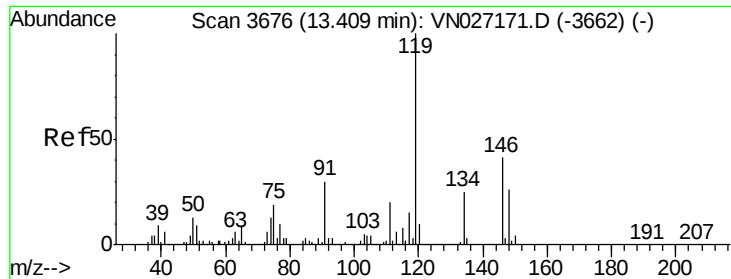
MMDadoda
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#86
 sec-Butylbenzene
 Concen: 50.23 ug/l
 RT: 13.29 min Scan# 3640
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion:105 Resp: 1923204
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.8 26.4





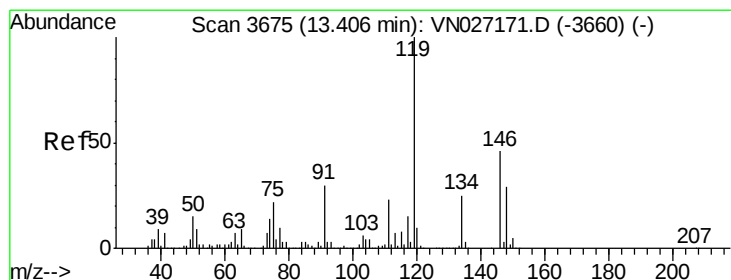
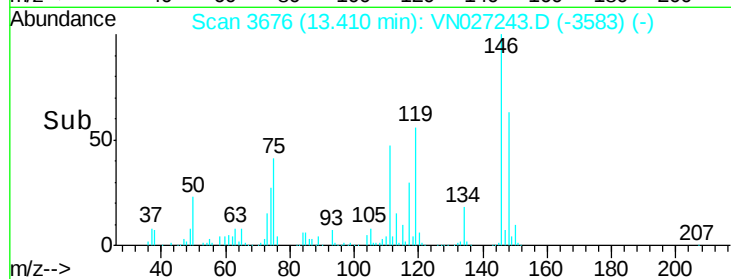
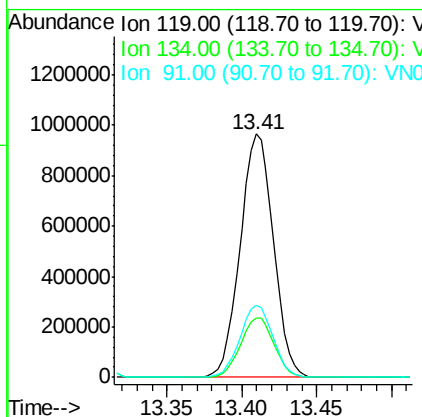
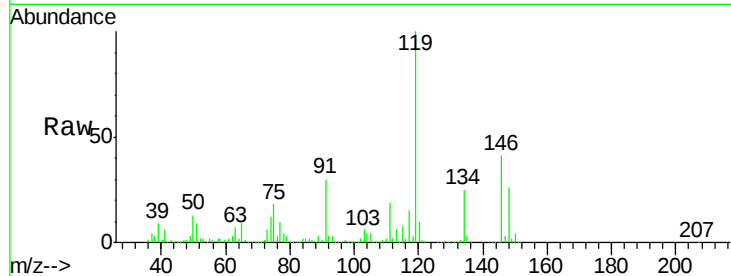
#87
 p-Isopropyltoluene
 Concen: 50.41 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.6	12.4	37.0
91	29.4	12.0	36.1

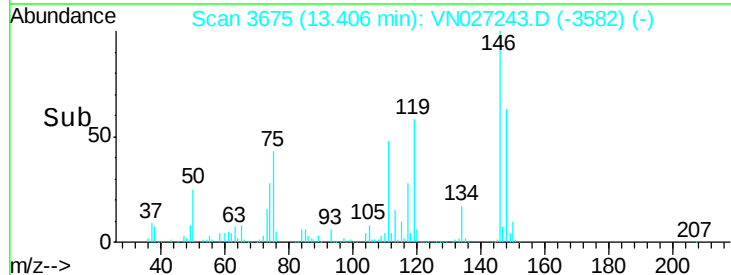
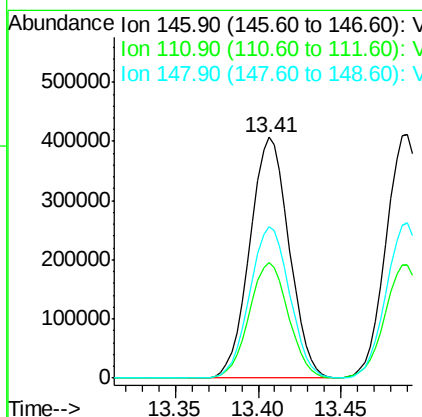
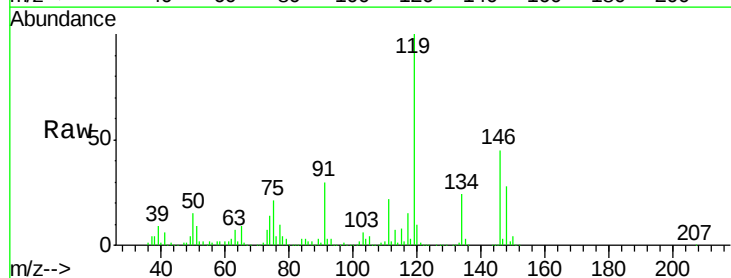
Manual Integrations
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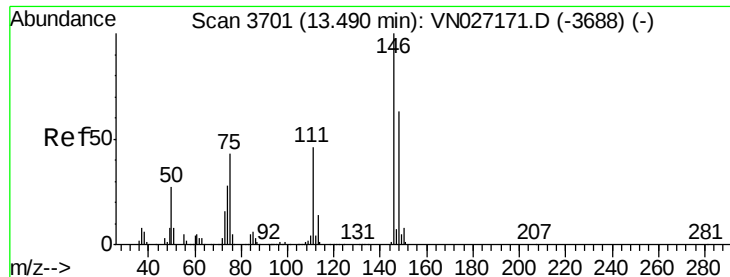
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#88
 1,3-Dichlorobenzene
 Concen: 50.70 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.9	21.0	63.0
148	63.8	31.9	95.9





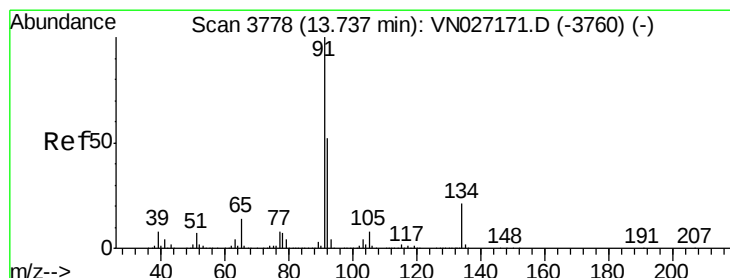
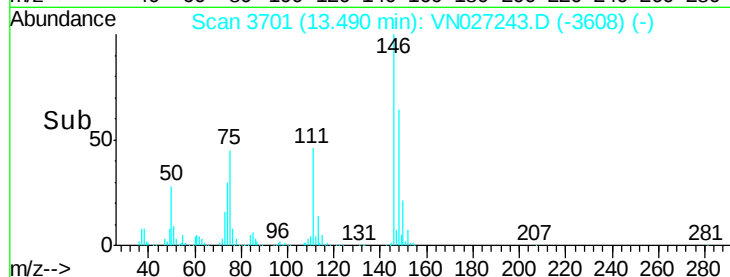
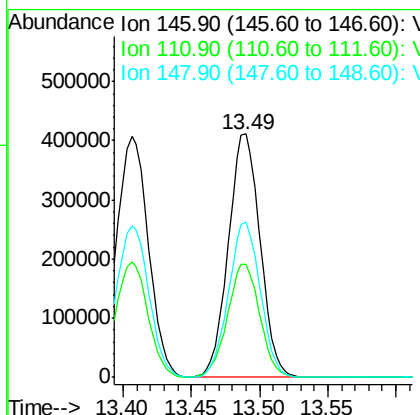
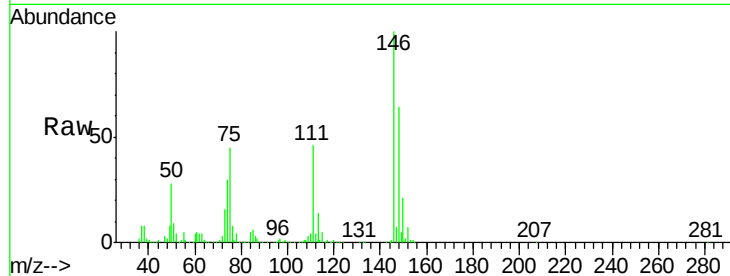
#89
 1,4-Dichlorobenzene
 Concen: 49.57 ug/l
 RT: 13.49 min Scan# 3701
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.2	19.9	59.6
148	63.8	31.7	95.1

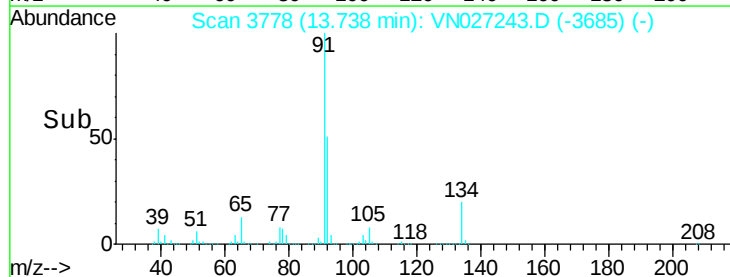
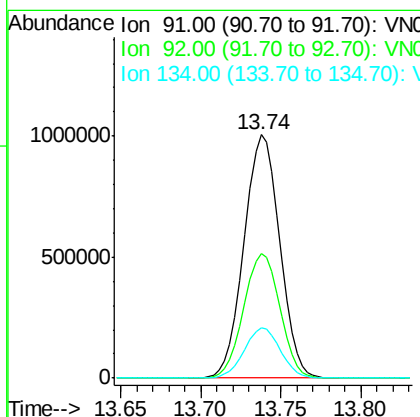
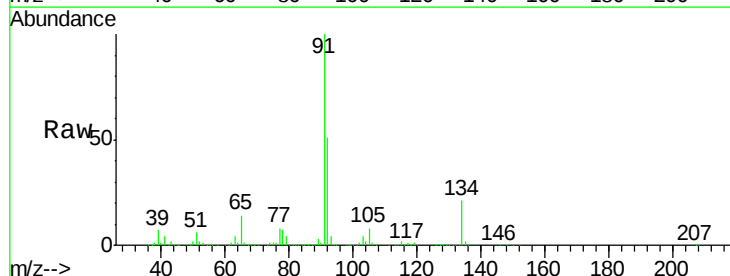
Manual Integrations
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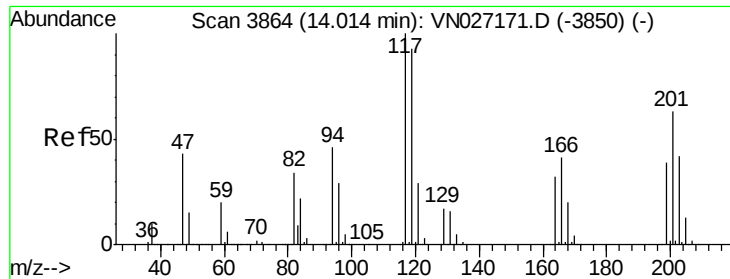
MMDadoda
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#90
 n-Butylbenzene
 Concen: 53.39 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.9	26.1	78.2
134	20.9	11.1	33.1





#91

Hexachloroethane

Concen: 46.76 ug/l

RT: 14.01 min Scan# 3864

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion:117 Resp: 301808

Ion Ratio Lower Upper

117 100

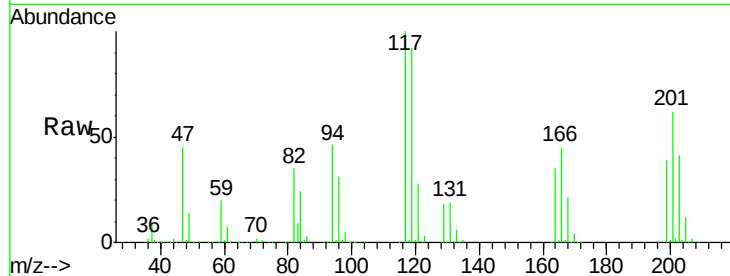
201 63.1 34.9 104.7

Manual Integrations

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Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

14.01

200000

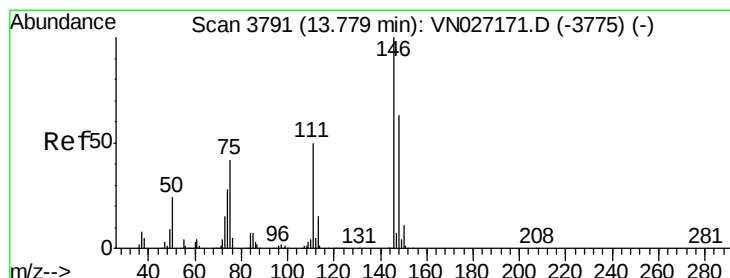
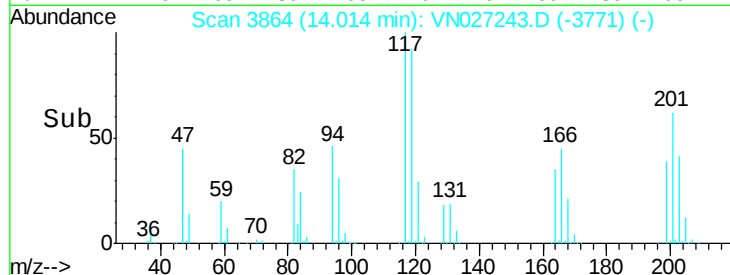
150000

100000

50000

0

Time-->



#92

1,2-Dichlorobenzene

Concen: 49.89 ug/l

RT: 13.78 min Scan# 3791

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

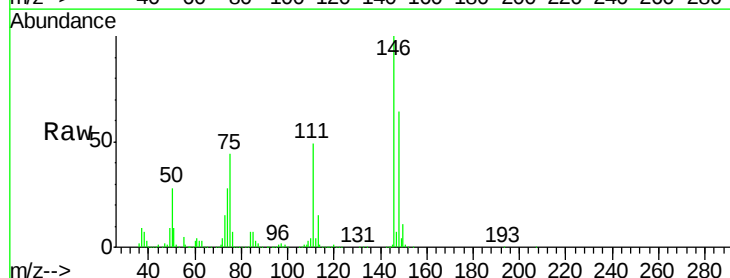
Tgt Ion:146 Resp: 652357

Ion Ratio Lower Upper

146 100

111 49.2 22.1 66.3

148 63.9 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

500000

400000

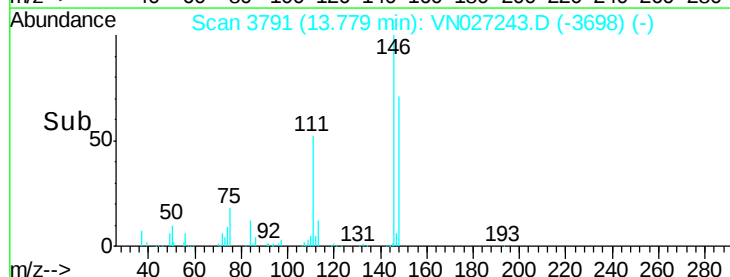
300000

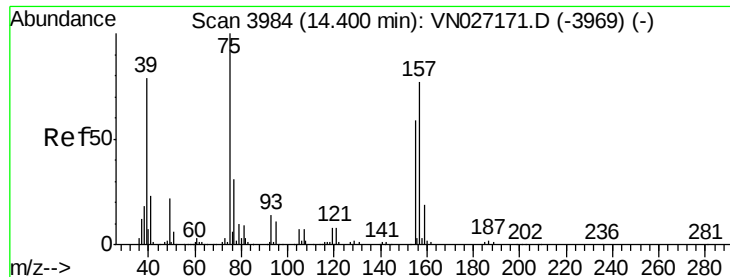
200000

100000

0

Time-->





#93

1,2-Dibromo-3-Chloropropane

Concen: 45.36 ug/l

RT: 14.40 min Scan# 3984

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 102448

Ion Ratio Lower Upper

75 100

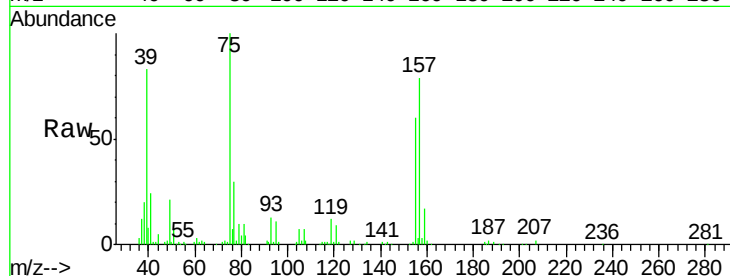
155 62.3 35.6 106.9

157 79.5 44.6 133.8

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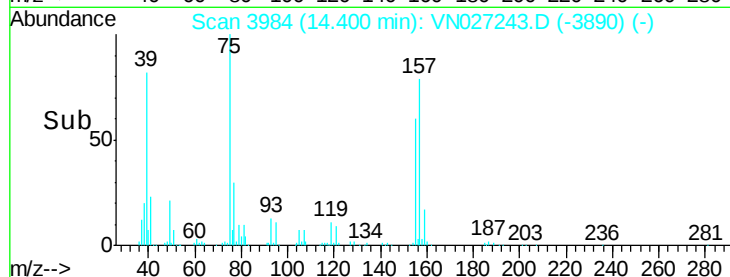


Abundance Ion 74.90 (74.60 to 75.60): VN027171.D (-3969) (-)

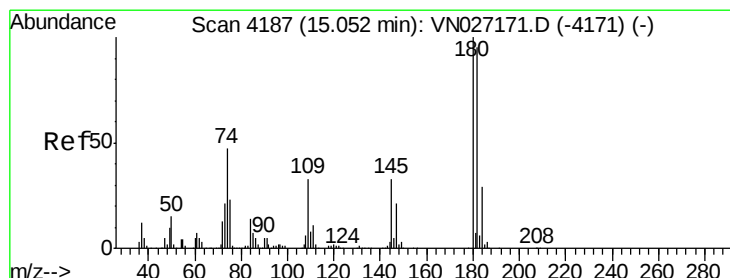
Ion 154.80 (154.50 to 155.50): VN027171.D (-3969) (-)

Ion 156.80 (156.50 to 157.50): VN027171.D (-3969) (-)

Time-->



Time-->



#94

1,2,4-Trichlorobenzene

Concen: 52.85 ug/l

RT: 15.05 min Scan# 4187

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

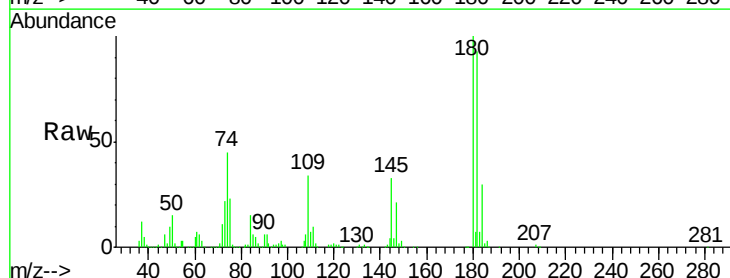
Tgt Ion: 180 Resp: 373309

Ion Ratio Lower Upper

180 100

182 95.3 47.5 142.5

145 33.2 15.1 45.3

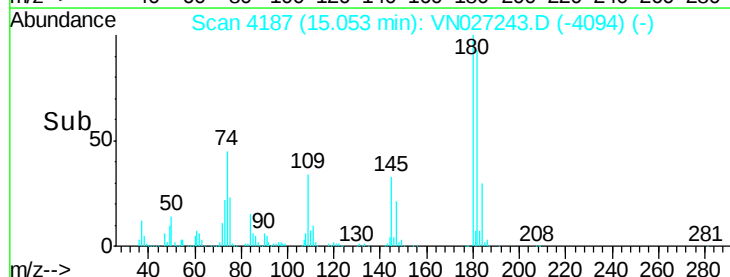


Abundance Ion 179.80 (179.50 to 180.50): VN027171.D (-4171) (-)

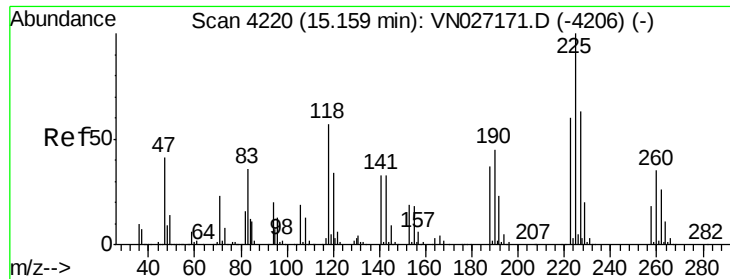
Ion 181.80 (181.50 to 182.50): VN027171.D (-4171) (-)

Ion 144.80 (144.50 to 145.50): VN027171.D (-4171) (-)

Time-->



Time-->



#95

Hexachlorobutadiene

Concen: 52.13 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Instrument :

MSVOA_N

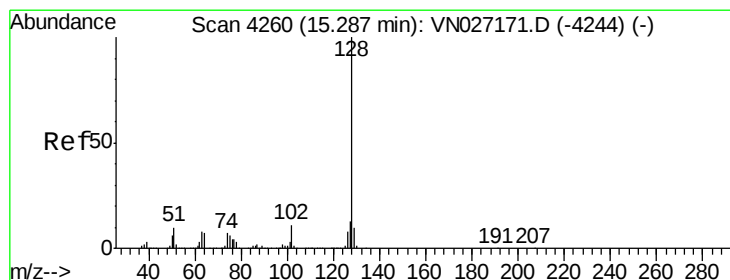
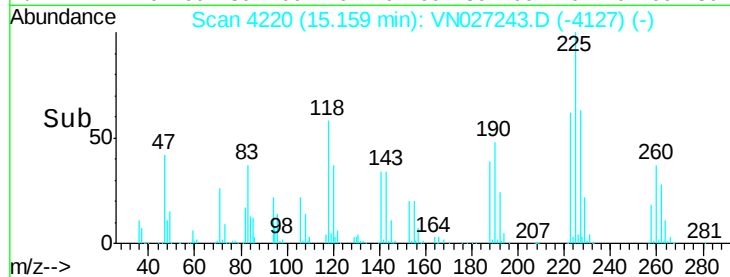
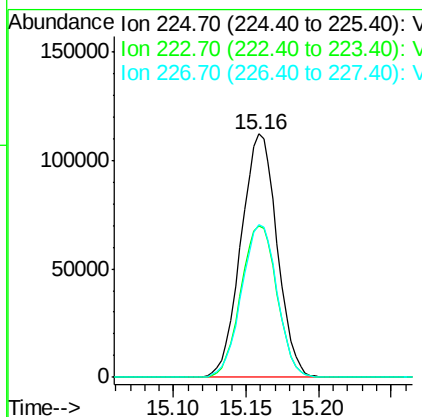
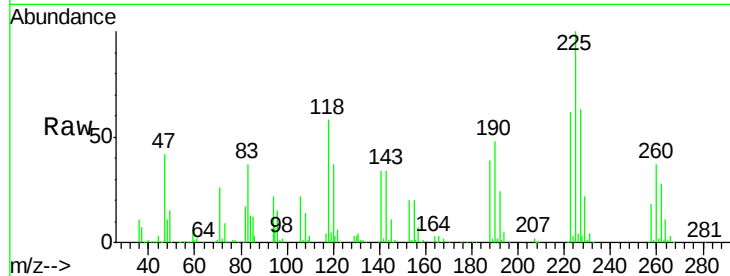
ClientSampleId :

VSTDCCC050

Tot Ion:	225	Resp:	193954
Ion Ratio		Lower	Upper
225	100		
223	62.5	30.8	92.3
227	62.2	31.7	95.1

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#96

Naphthalene

Concen: 49.43 ug/l

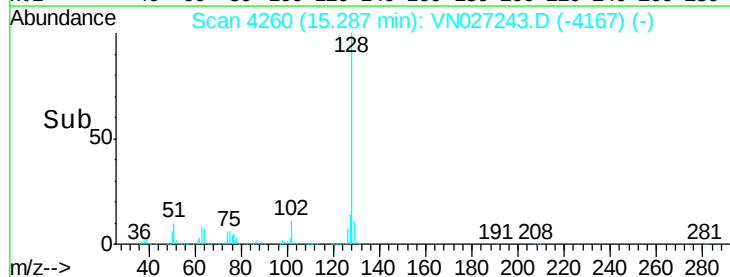
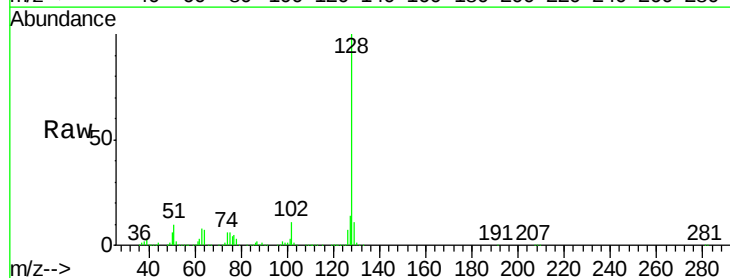
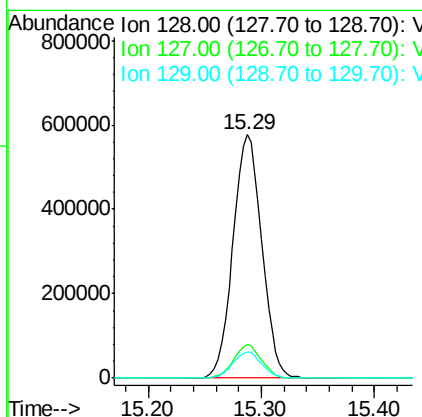
RT: 15.29 min Scan# 4260

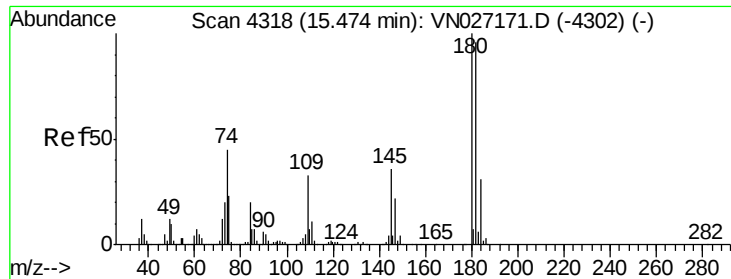
Delta R.T. 0.00 min

Lab File: VN027243.D

Acq: 17 Sep 2015 9:31

Tgt Ion:	128	Resp:	1023679
Ion Ratio		Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.8	8.6	12.8





#97
 1,2,3-Trichlorobenzene
 Concen: 51.56 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027243.D
 Acq: 17 Sep 2015 9:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.6	48.8	146.4
145	35.2	16.6	49.8

Manual Integrations
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