

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027197.D
 Acq On : 16 Sep 2015 7:38
 Operator : MD\FY
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:48:20 AM

Quant Time: Sep 16 08:00:21 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	547126	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1056967	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	902348	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	344777	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	574191	51.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.44%	
36) Dibromofluoromethane	7.68	113	359919	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	
51) Toluene-d8	10.19	98	1415611	49.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.70%	
63) 4-Bromofluorobenzene	12.52	95	501208	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	322504	49.26	ug/l	98
3) Chlorodifluoromethane	1.82	51	395931	52.27	ug/l	93
4) Chloromethane	2.01	50	356618	48.67	ug/l	97
5) Vinyl Chloride	2.14	62	388185	50.21	ug/l	99
6) Bromomethane	2.54	94	193505	50.95	ug/l	100
7) Chloroethane	2.69	64	250043	47.57	ug/l	99
8) Trichlorofluoromethane	3.02	101	573258	49.08	ug/l	98
9) Diethyl Ether	3.42	74	260322	48.44	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	347793	47.41	ug/l	97
11) Methyl Iodide	3.99	142	365925	51.32	ug/l	91
12) Tert butyl alcohol	4.80	59	238928	217.96	ug/l	97
13) 1,1-Dichloroethene	3.77	96	343815	48.94	ug/l	96
14) Acrolein	3.63	56	47352	36.77	ug/l	98
15) Allyl chloride	4.37	41	660422	46.54	ug/l #	83
16) Acrylonitrile	5.02	53	875661	244.27	ug/l	99
17) Acetone	3.82	43	689850	228.24	ug/l	95
18) Carbon Disulfide	4.11	76	1051571	45.97	ug/l	100
19) Methyl Acetate	4.36	43	1126115	51.44	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	1350897	47.90	ug/l	97
21) Methylene Chloride	4.60	84	411921	48.92	ug/l	98
22) trans-1,2-Dichloroethene	5.13	96	368002	48.43	ug/l	97
23) Diisopropyl ether	6.03	45	1441186	48.41	ug/l	89
24) Vinyl Acetate	5.97	43	2095040	212.62	ug/l	99
25) 1,1-Dichloroethane	5.93	63	822395	47.55	ug/l	99
26) 2-Butanone	6.91	43	1053239	231.41	ug/l	97
27) 2,2-Dichloropropane	6.92	77	514022	34.26	ug/l	97
28) cis-1,2-Dichloroethene	6.92	96	431117	49.47	ug/l	99
29) Bromochloromethane	7.29	49	334910	49.89	ug/l	96
30) Tetrahydrofuran	7.31	42	678889	216.43	ug/l	90
31) Chloroform	7.46	83	776088	49.67	ug/l	100
32) Cyclohexane	7.77	56	774797	50.33	ug/l	94
33) 1,1,1-Trichloroethane	7.67	97	682274	48.97	ug/l	96
37) 1,1-Dichloropropene	7.89	75	595670	48.14	ug/l	97
38) Ethyl Acetate	7.02	43	478683	45.41	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	557085	47.89	ug/l	99
40) Methylcyclohexane	9.19	83	701111	46.53	ug/l	98
41) Benzene	8.14	78	1701995	47.15	ug/l	100
42) Methacrylonitrile	7.24	41	285691	47.77	ug/l #	93
43) 1,2-Dichloroethane	8.22	62	700042	48.14	ug/l	95
44) Isopropyl Acetate	8.25	43	895265	45.28	ug/l	97
45) Trichloroethene	8.93	130	347088	47.87	ug/l	90
46) 1,2-Dichloropropane	9.22	63	487662	46.95	ug/l	98
47) Dibromomethane	9.31	93	285299	46.78	ug/l	93
48) Bromodichloromethane	9.49	83	619655	48.22	ug/l	100
49) Methyl methacrylate	9.29	41	452446	45.93	ug/l #	89
50) 1,4-Dioxane	9.30	88	100197	867.26	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2308767	220.85	ug/l	99
53) Toluene	10.26	92	995679	47.09	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	634888	43.99	ug/l	100
55) cis-1,3-Dichloropropene	9.93	75	705348	44.93	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	376219	47.34	ug/l	99
57) Ethyl methacrylate	10.52	69	614643	45.89	ug/l #	91
58) 1,3-Dichloropropane	10.81	76	698500	47.35	ug/l	100
59) 2-Chloroethyl Vinyl ether	9.78	63	1479563	240.61	ug/l	97
60) 2-Hexanone	10.84	43	1533480	215.46	ug/l	99
61) Dibromochloromethane	11.00	129	383360	47.24	ug/l	100
62) 1,2-Dibromoethane	11.11	107	365492	46.80	ug/l	100
65) Tetrachloroethene	10.74	164	284447	49.29	ug/l	96
66) Chlorobenzene	11.54	112	995174	46.72	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	348600	47.97	ug/l	97
68) Ethyl Benzene	11.62	91	1888506	46.75	ug/l	99
69) m/p-Xylenes	11.73	106	1308819	93.91	ug/l	91
70) o-Xylene	12.06	106	652584	46.71	ug/l	91
71) Styrene	12.07	104	1076839	47.74	ug/l	94
72) Bromoform	12.24	173	233852	46.28	ug/l #	100
74) Isopropylbenzene	12.36	105	1758917	46.30	ug/l	99
75) N-amyl acetate	12.17	43	757388	44.67	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	493064	50.29	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	460035m	44.15	ug/l	
78) Bromobenzene	12.64	156	344999	46.31	ug/l	93
79) n-propylbenzene	12.71	91	2083909	46.62	ug/l	98
80) 2-Chlorotoluene	12.79	91	1263889	47.09	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1415871	46.39	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	162724	38.36	ug/l	92
83) 4-Chlorotoluene	12.89	91	1245535	47.23	ug/l	96
84) tert-Butylbenzene	13.11	119	1165017	46.26	ug/l	91
85) 1,2,4-Trimethylbenzene	13.16	105	1413463	46.11	ug/l	96
86) sec-Butylbenzene	13.29	105	1711737	46.40	ug/l	99
87) p-Isopropyltoluene	13.41	119	1306893	45.99	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	602384	47.25	ug/l	96
89) 1,4-Dichlorobenzene	13.49	146	598229	46.33	ug/l	95
90) n-Butylbenzene	13.74	91	1293334	46.90	ug/l	98
91) Hexachloroethane	14.01	117	285079	45.84	ug/l	92
92) 1,2-Dichlorobenzene	13.78	146	594261	47.17	ug/l	96

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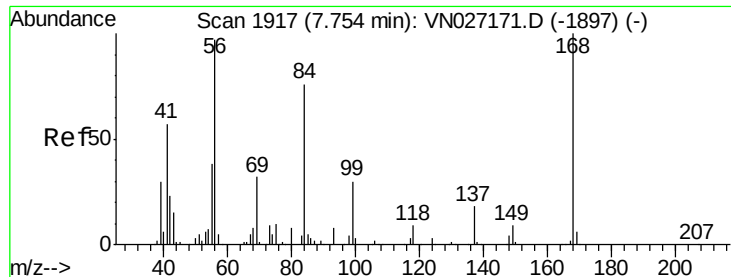
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2-Dibromo-3-Chloropropan	14.40	75	101230	46.56	ug/l	86
94) 1,2,4-Trichlorobenzene	15.05	180	328223	48.22	ug/l	98
95) Hexachlorobutadiene	15.16	225	159187	44.41	ug/l	98
96) Naphthalene	15.29	128	955815	47.90	ug/l	99
97) 1,2,3-Trichlorobenzene	15.47	180	329077	48.64	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1917

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 547126

Ion Ratio Lower Upper

168 100

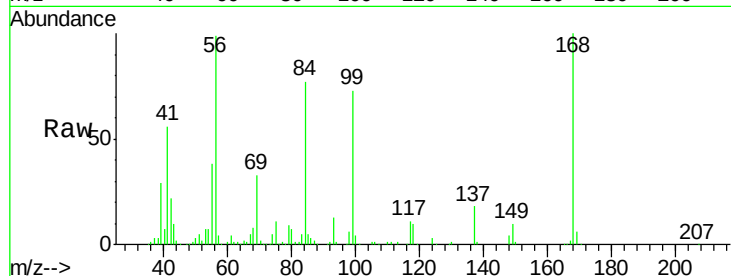
99 72.1 50.4 75.6

Manual Integrations

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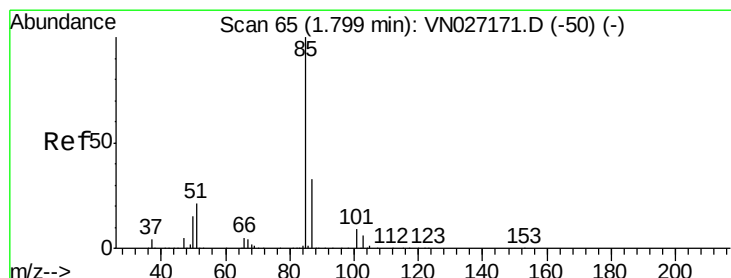
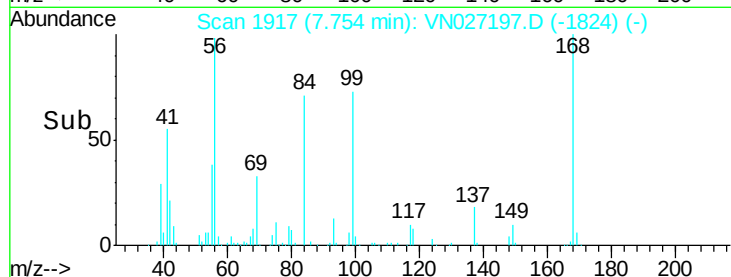
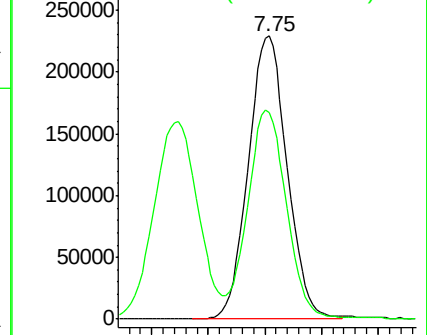
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 49.26 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027197.D

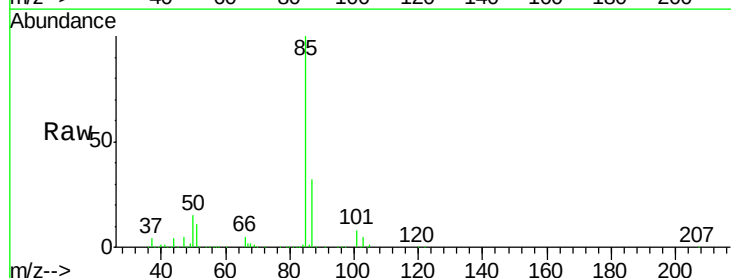
Acq: 16 Sep 2015 7:38

Tgt Ion: 85 Resp: 322504

Ion Ratio Lower Upper

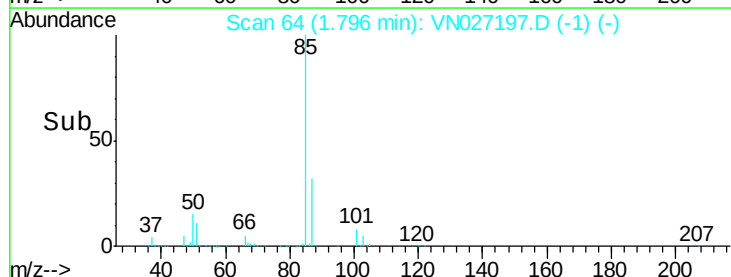
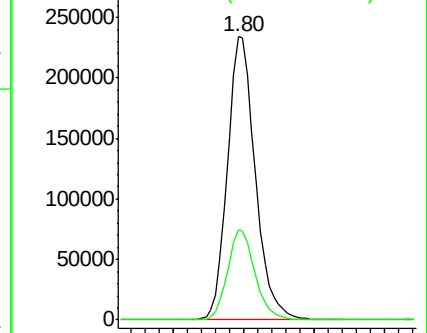
85 100

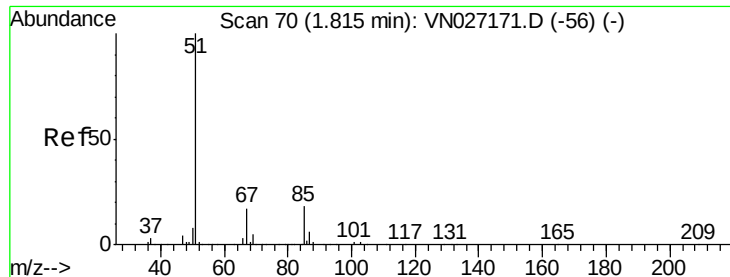
87 31.6 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chlorodifluoromethane

Concen: 52.27 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 51 Resp: 395931

Ion Ratio Lower Upper

51 100

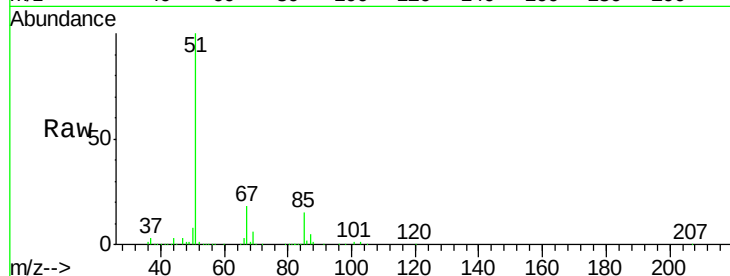
67 18.1 12.2 18.2

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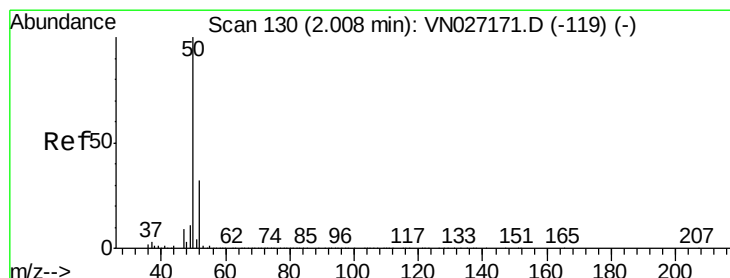
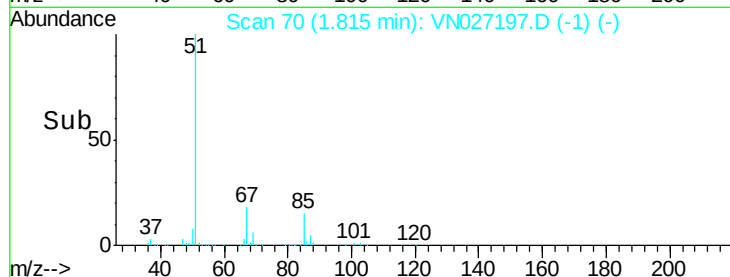
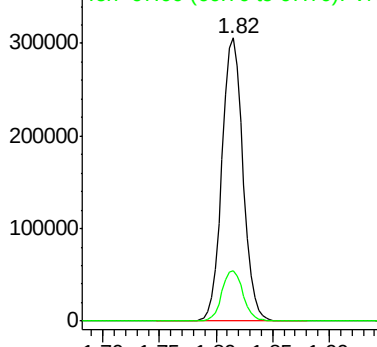
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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO



#4

Chloromethane

Concen: 48.67 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027197.D

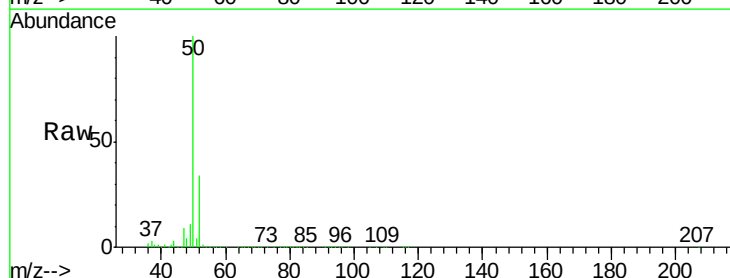
Acq: 16 Sep 2015 7:38

Tgt Ion: 50 Resp: 356618

Ion Ratio Lower Upper

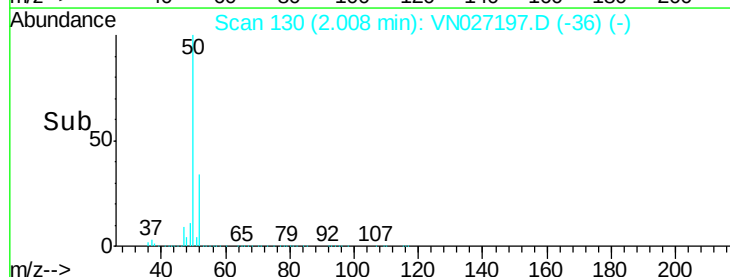
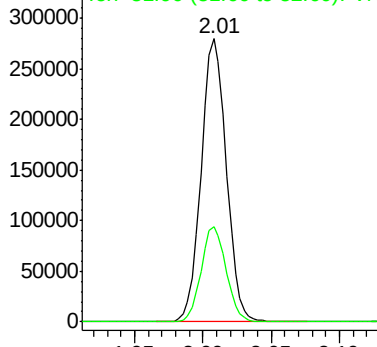
50 100

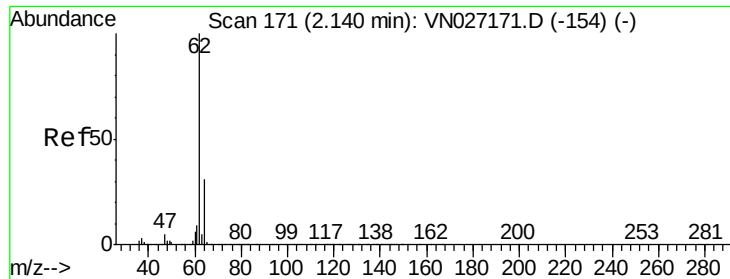
52 33.8 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#5

Vinyl Chloride

Concen: 50.21 ug/l

RT: 2.14 min Scan# 172

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 62 Resp: 388185

Ion Ratio Lower Upper

62 100

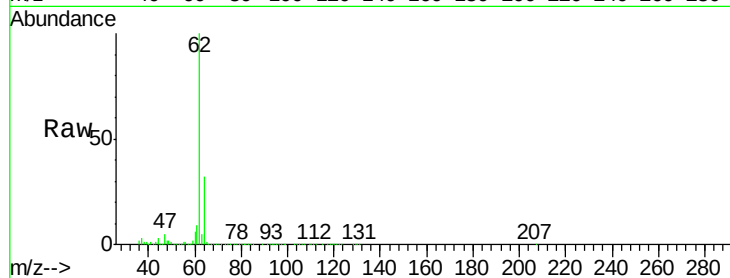
64 31.6 25.9 38.9

Manual Integrations

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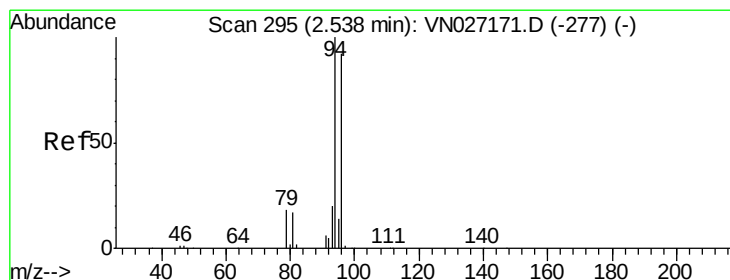
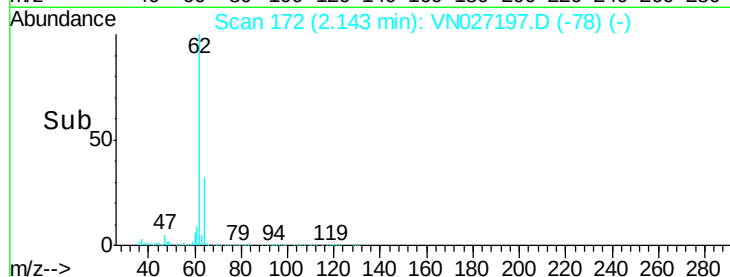
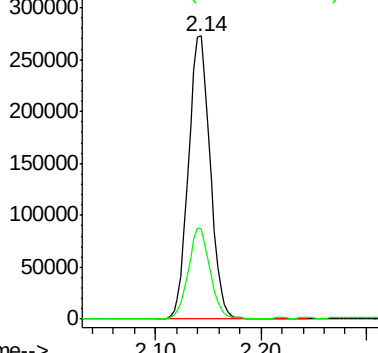
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Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO



#6

Bromomethane

Concen: 50.95 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027197.D

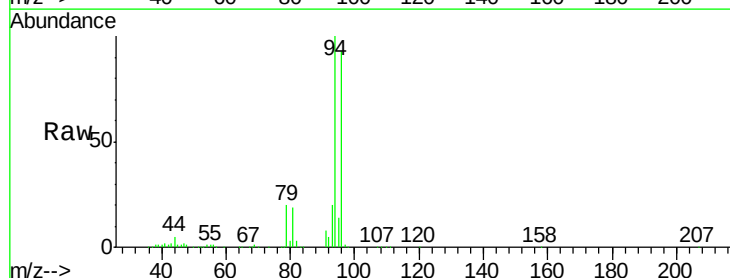
Acq: 16 Sep 2015 7:38

Tgt Ion: 94 Resp: 193505

Ion Ratio Lower Upper

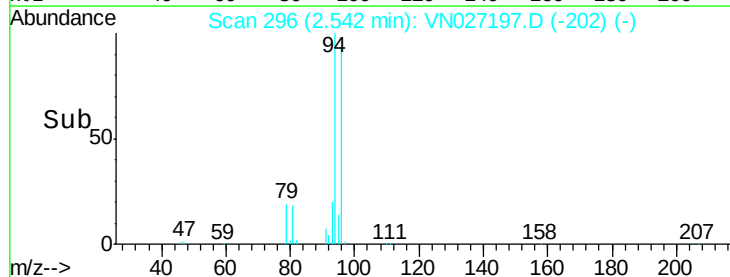
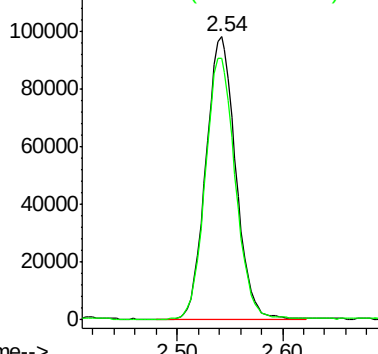
94 100

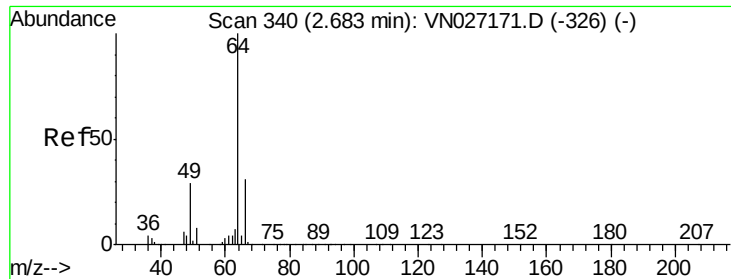
96 92.2 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#7

Chloroethane

Concen: 47.57 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027197.D

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Instrument :

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VSTDCCC050EC

Tot Ion: 64 Resp: 250043

Ion Ratio Lower Upper

64 100

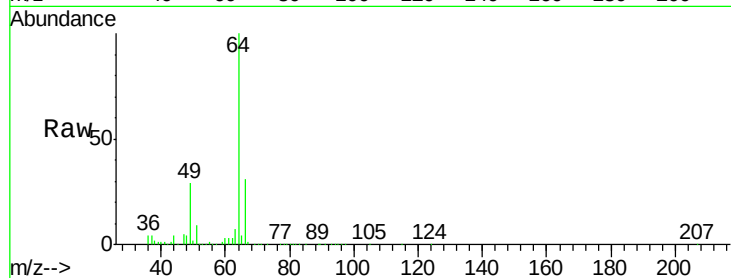
66 31.1 25.5 38.3

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Abundance Ion 63.90 (63.60 to 64.60): VN027197.D (-326) (-)

Ion 65.90 (65.60 to 66.60): VN027197.D (-326) (-)

2.69

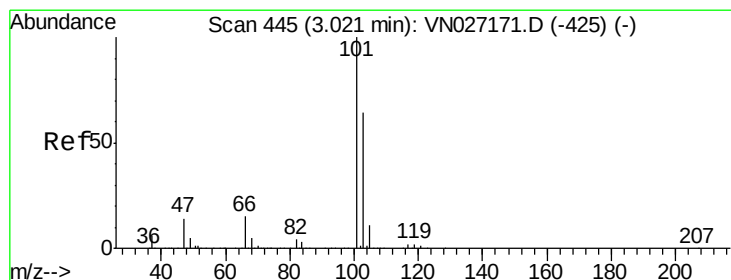
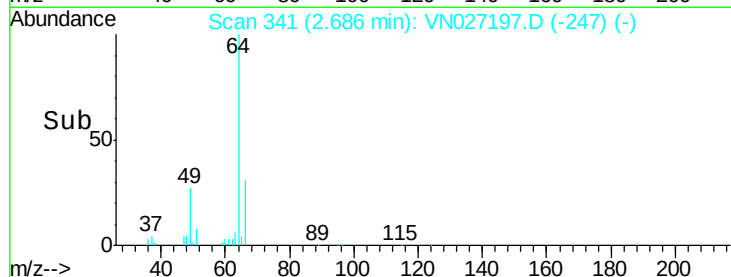
150000

100000

50000

0

Time-->



#8

Trichlorofluoromethane

Concen: 49.08 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027197.D

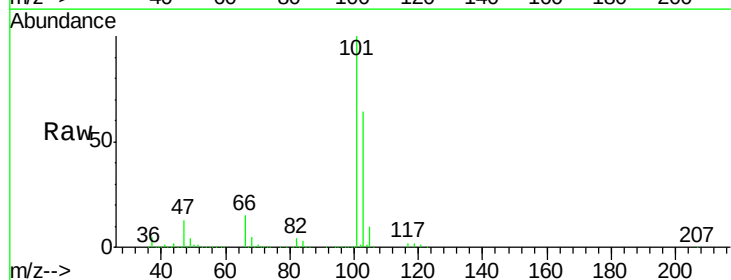
Acq: 16 Sep 2015 7:38

Tgt Ion: 101 Resp: 573258

Ion Ratio Lower Upper

101 100

103 64.1 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): VN027197.D (-352) (-)

Ion 102.80 (102.50 to 103.50): VN027197.D (-352) (-)

3.02

300000

250000

200000

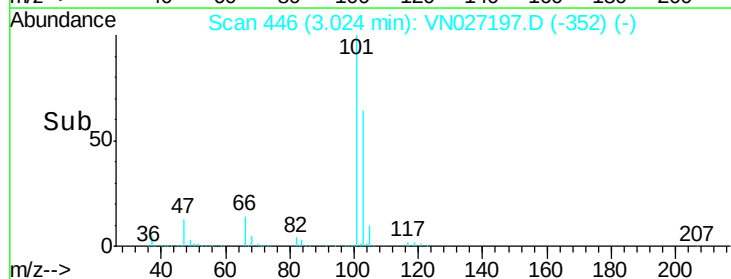
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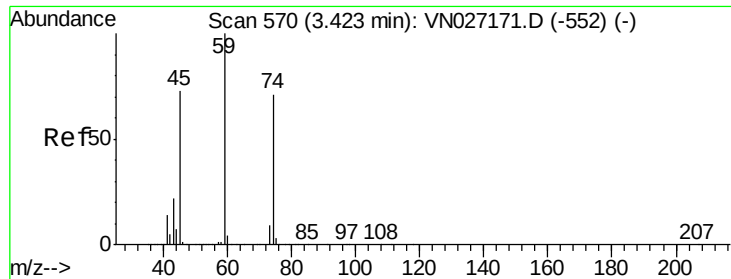
100000

50000

0

Time-->





#9

Diethyl Ether

Concen: 48.44 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

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ClientSampleId :

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Tot Ion: 74 Resp: 260322

Ion Ratio Lower Upper

74 100

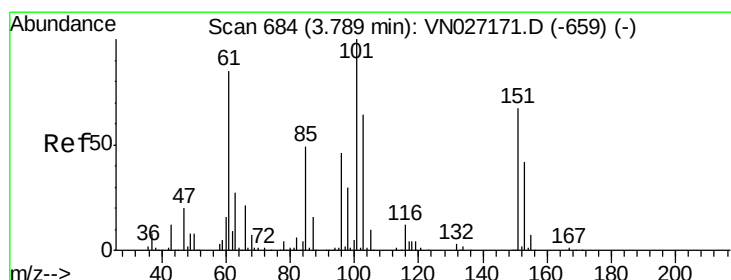
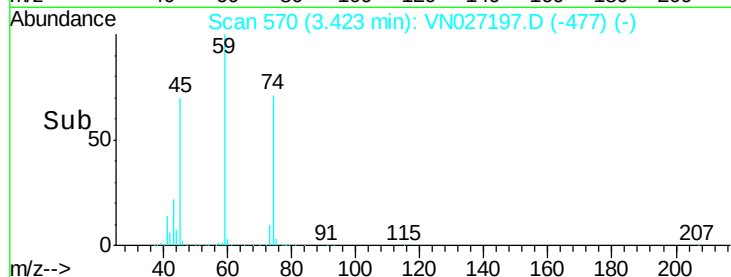
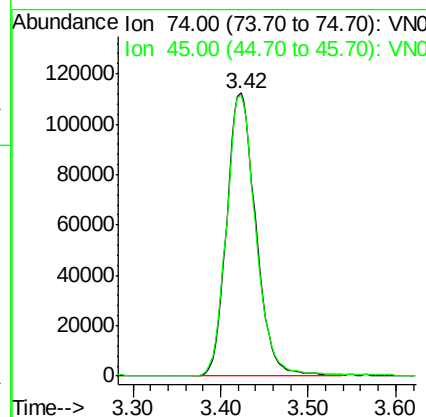
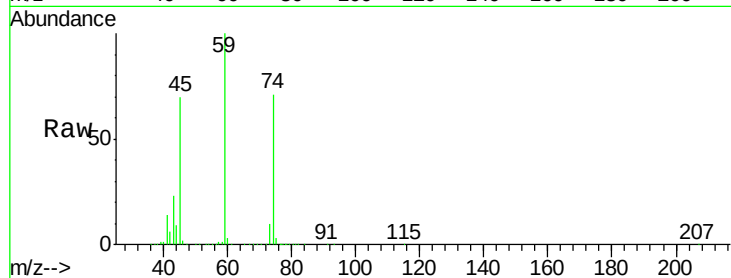
45 98.5 58.1 174.3

Manual Integrations

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 47.41 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

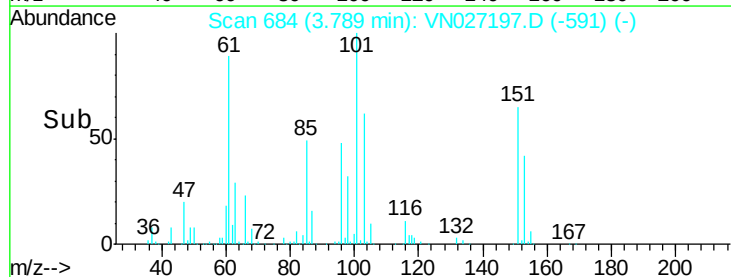
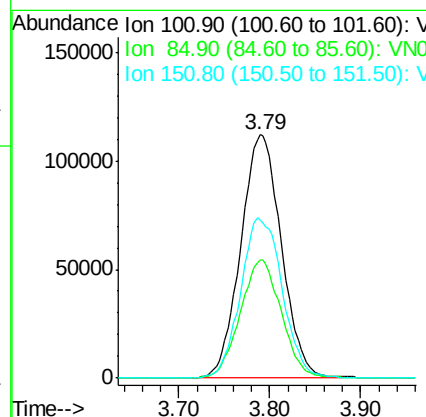
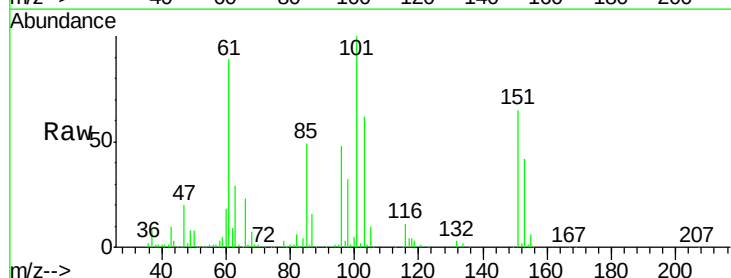
Tgt Ion: 101 Resp: 347793

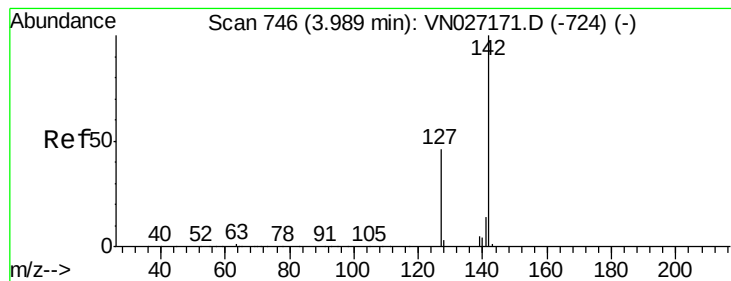
Ion Ratio Lower Upper

101 100

85 49.2 37.4 56.0

151 67.5 55.9 83.9





#11

Methvl Iodide

Concen: 51.32 ug/l

RT: 3.99 min Scan# 747

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

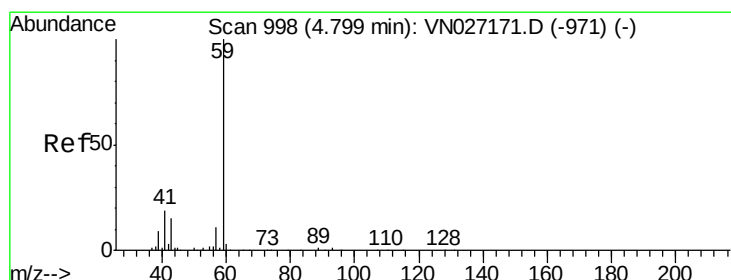
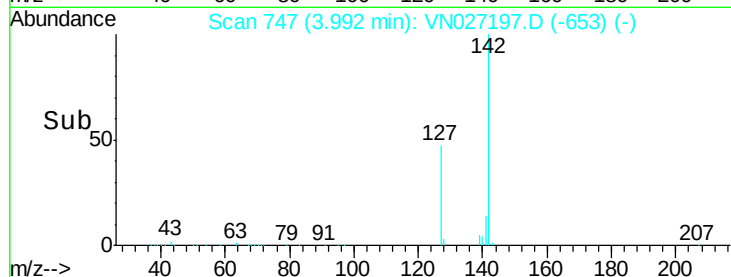
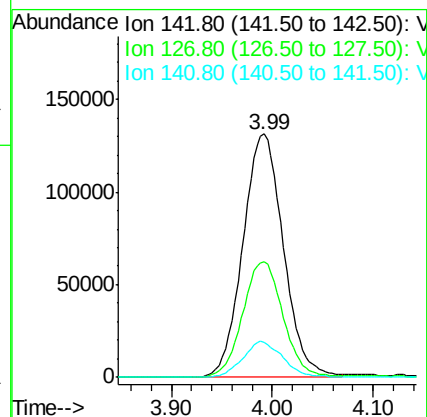
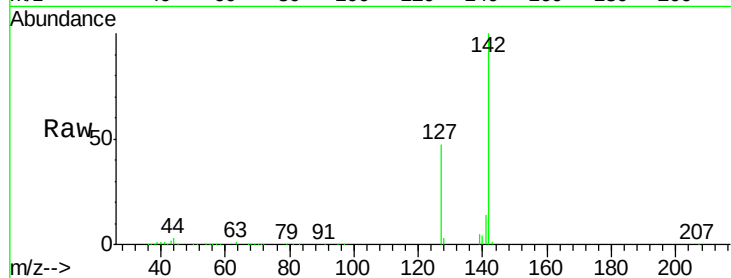
ClientSampleId :

VSTDCCC050EC

Tot Ion:	142	Resp:	365925
Ion Ratio	Lower	Upper	
142	100		
127	47.1	32.3	48.5
141	14.7	11.2	16.8

Manual Integrations
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#12

Tert butyl alcohol

Concen: 217.96 ug/l

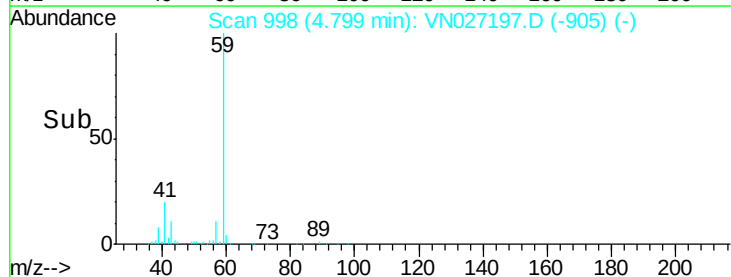
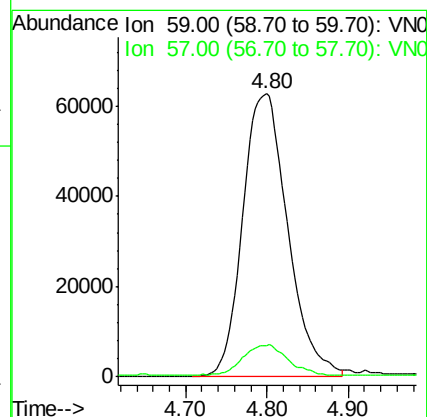
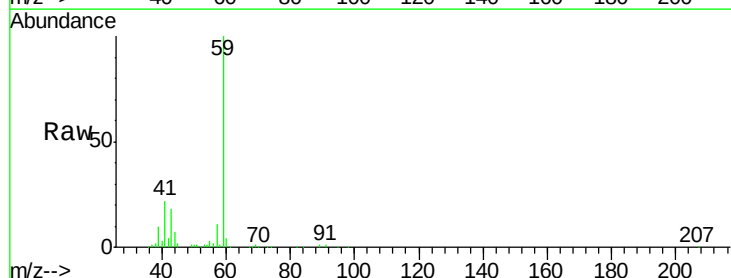
RT: 4.80 min Scan# 998

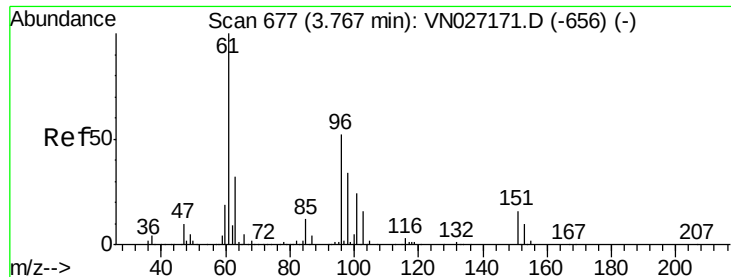
Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Tgt Ion:	59	Resp:	238928
Ion Ratio	Lower	Upper	
59	100		
57	10.7	7.6	11.4





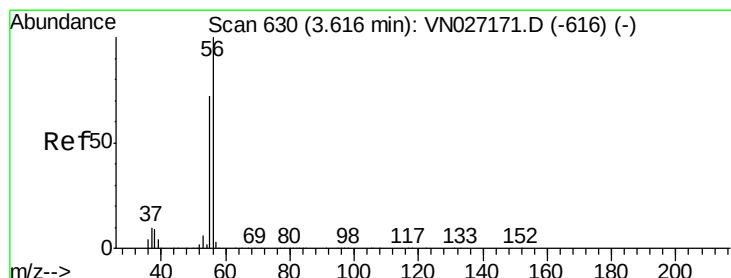
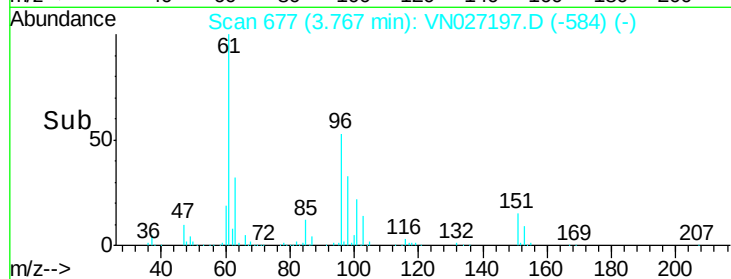
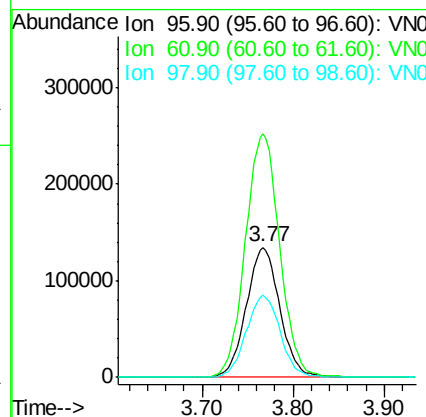
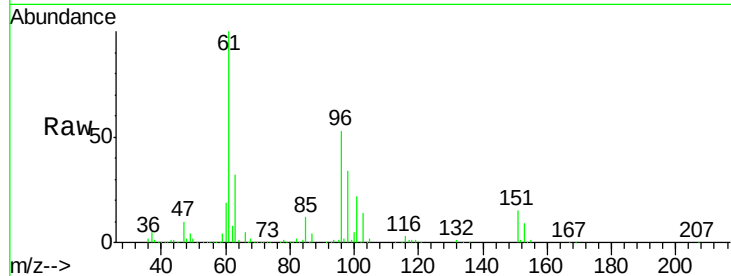
#13
 1,1-Dichloroethene
 Concen: 48.94 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	187.6	143.8	215.8	
98	63.0	50.3	75.5	

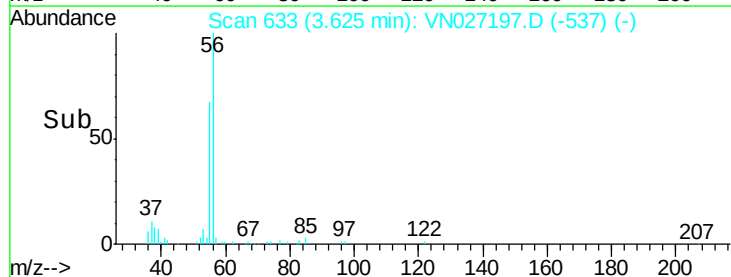
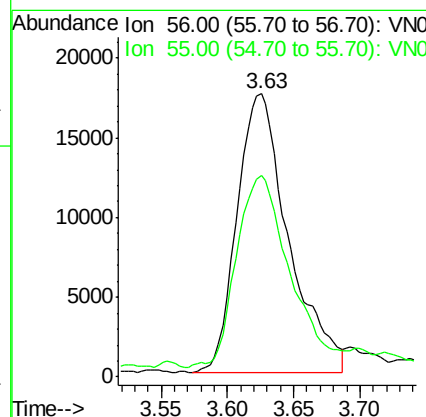
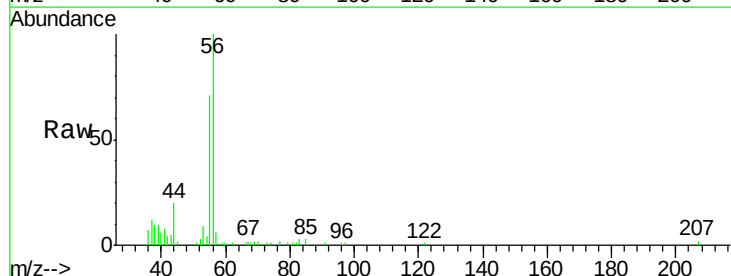
Manual Integrations
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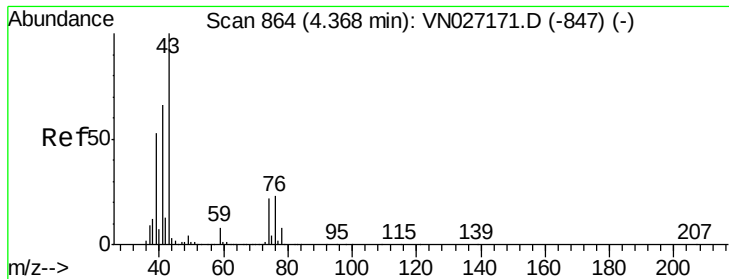
MMDadoda
 9/16/2015 11:48:20 AM



#14
 Acrolein
 Concen: 36.77 ug/l
 RT: 3.63 min Scan# 633
 Delta R.T. 0.01 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp	Lower	Upper
56	100			
55	71.4	55.7	83.5	





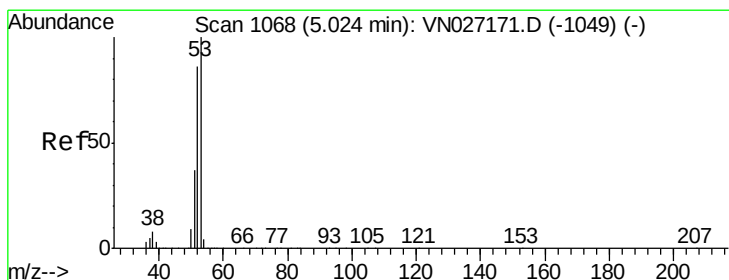
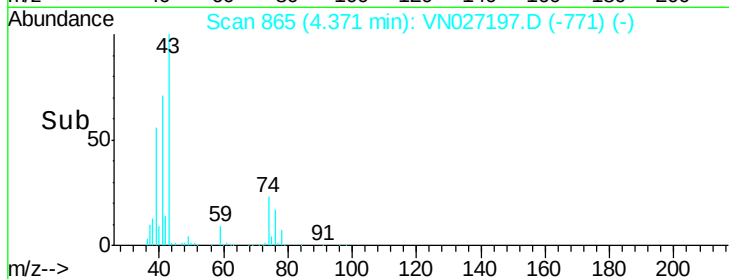
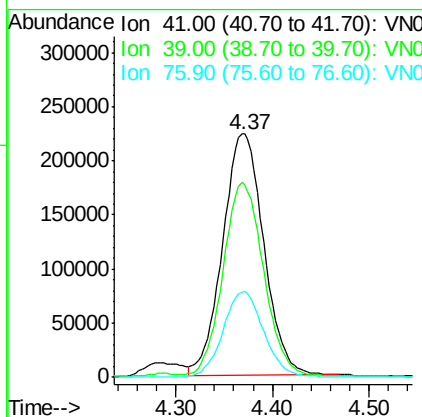
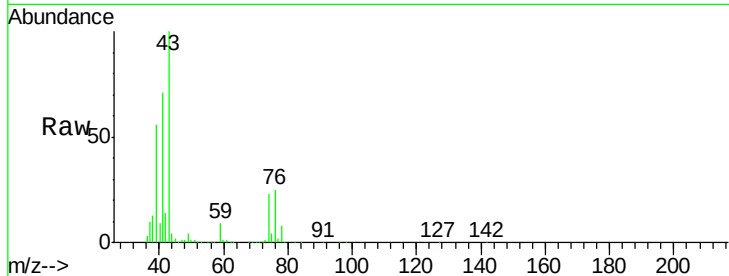
#15
Allvl chloride
Concen: 46.54 ug/l
RT: 4.37 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	660422		
39	78.6		49.7	74.5#
76	34.8		24.8	37.2

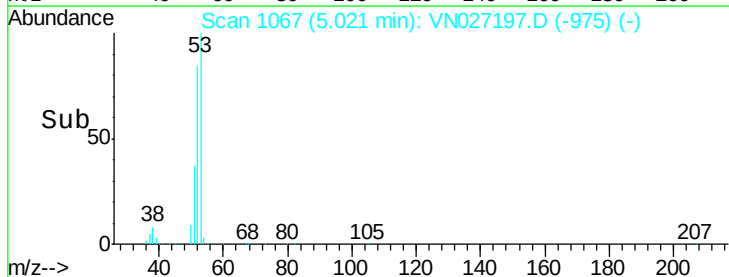
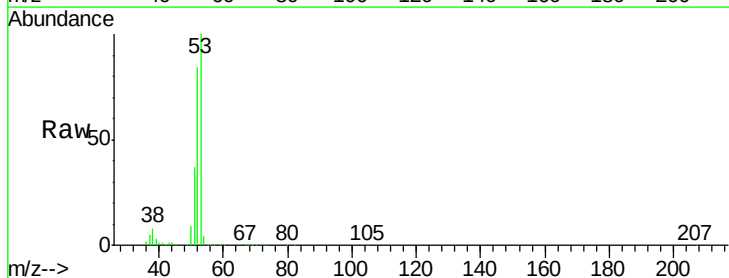
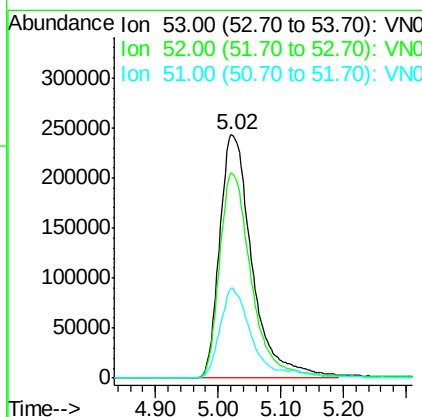
Manual Integrations
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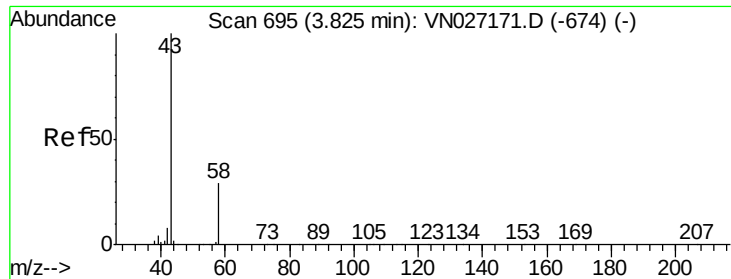
MMDadoda
9/16/2015 11:48:20 AM



#16
Acrylonitrile
Concen: 244.27 ug/l
RT: 5.02 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	875661		
52	82.3		66.9	100.3
51	34.9		27.4	41.0





#17

Acetone

Concen: 228.24 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 689850

Ion Ratio Lower Upper

43 100

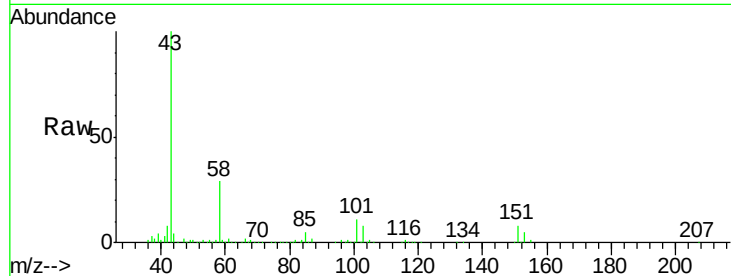
58 29.2 25.4 38.0

Manual Integrations

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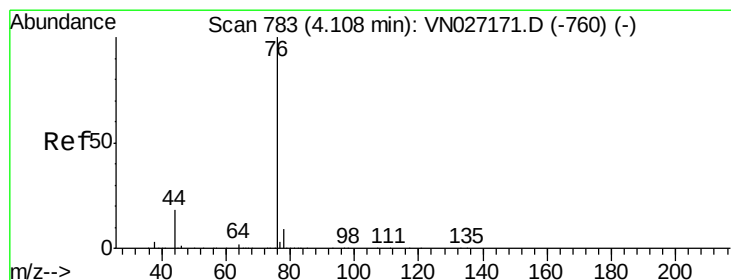
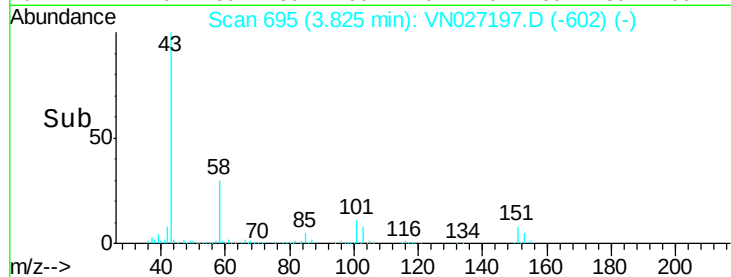
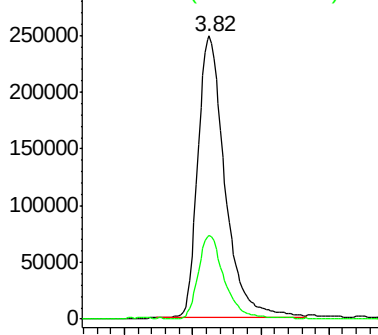
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 45.97 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027197.D

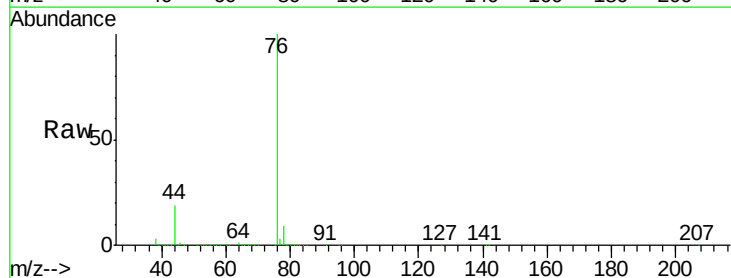
Acq: 16 Sep 2015 7:38

Tgt Ion: 76 Resp: 1051571

Ion Ratio Lower Upper

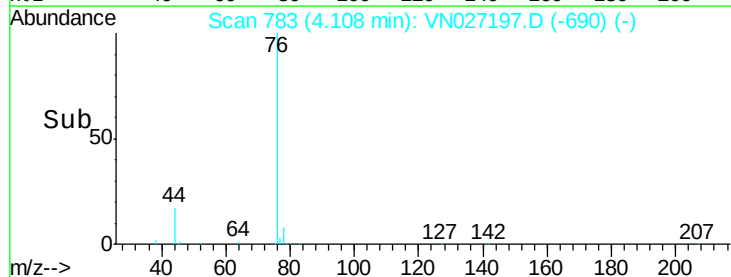
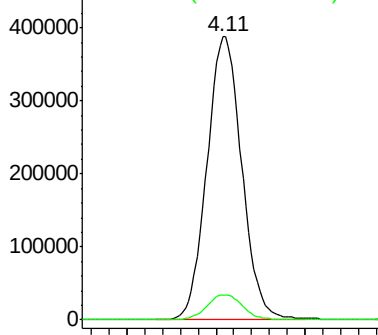
76 100

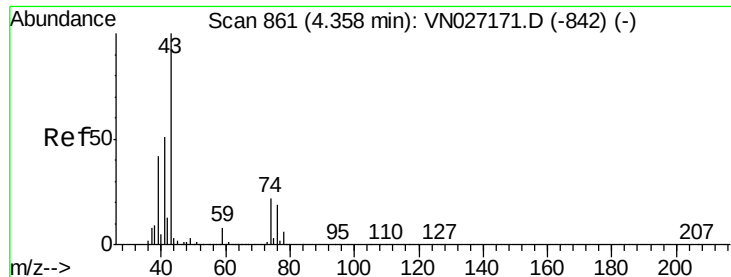
78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





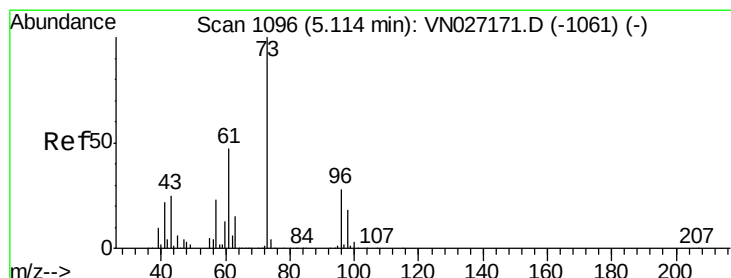
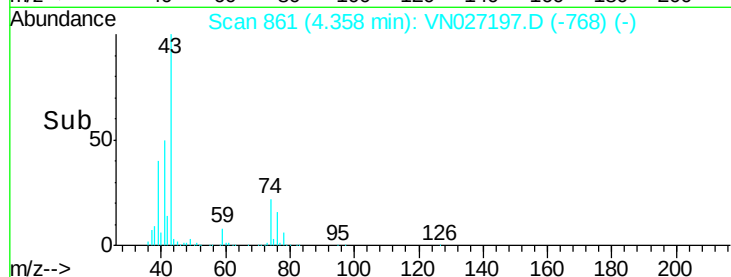
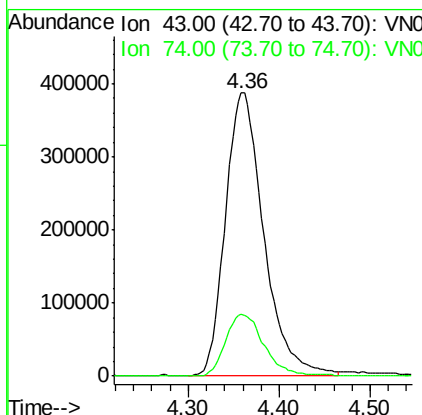
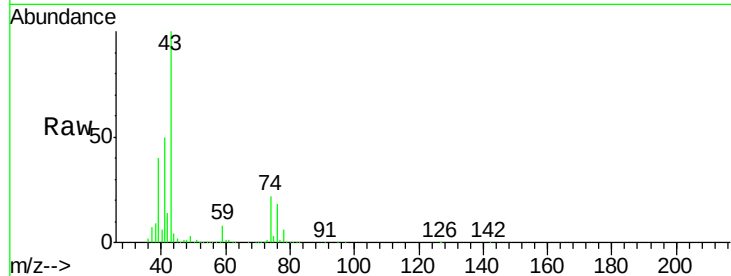
#19
Methvl Acetate
Concen: 51.44 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 1126115
Ion Ratio Lower Upper
43 100
74 22.1 16.2 24.2

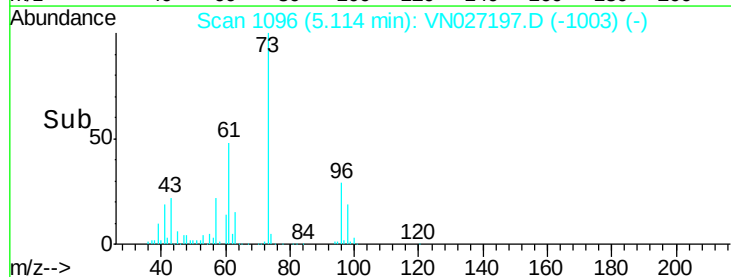
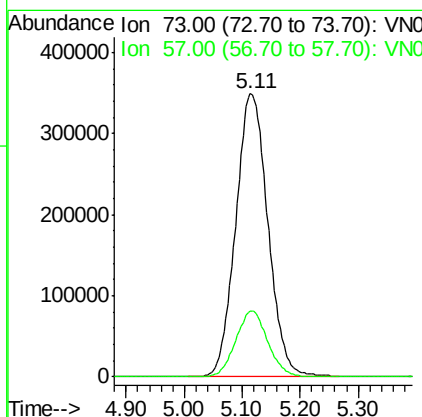
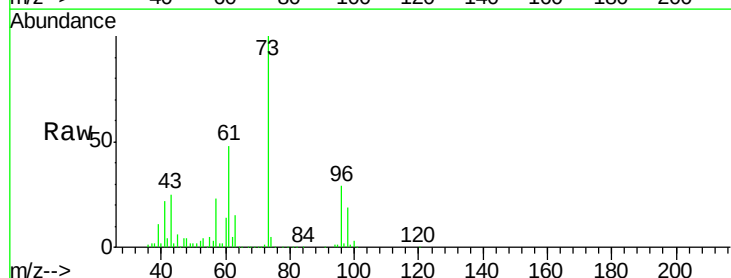
Manual Integrations
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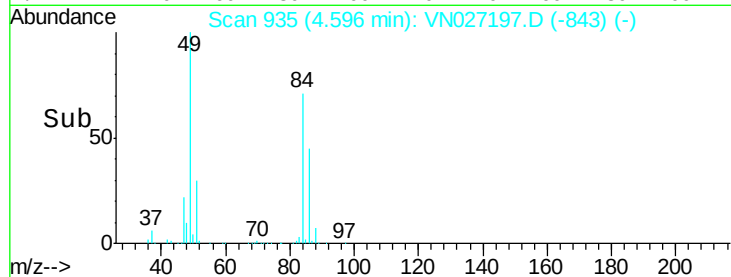
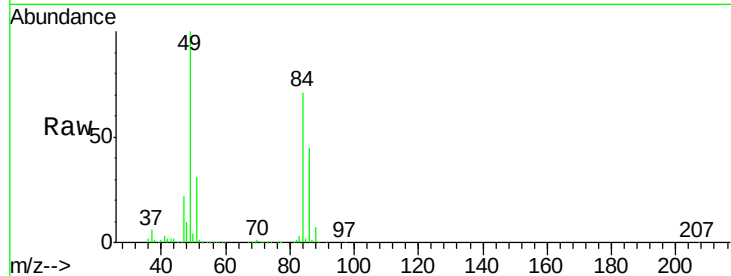
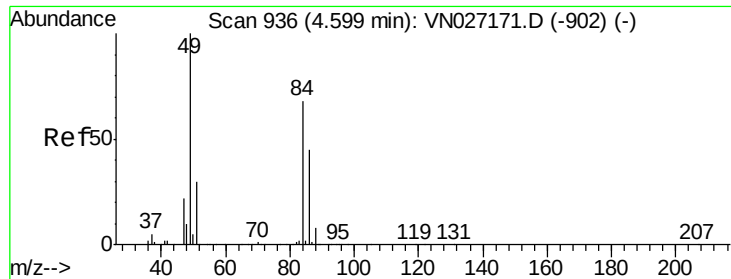
MMDadoda
9/16/2015 11:48:20 AM



#20
Methyl tert-butyl Ether
Concen: 47.90 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion: 73 Resp: 1350897
Ion Ratio Lower Upper
73 100
57 23.1 19.8 29.6





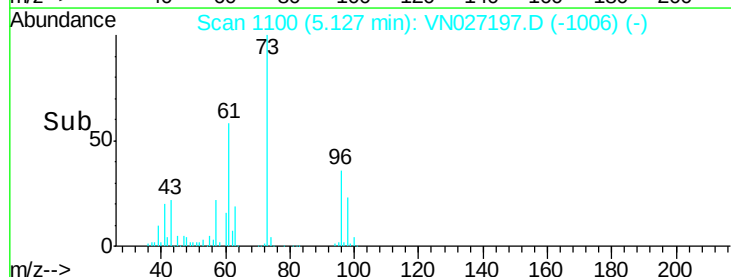
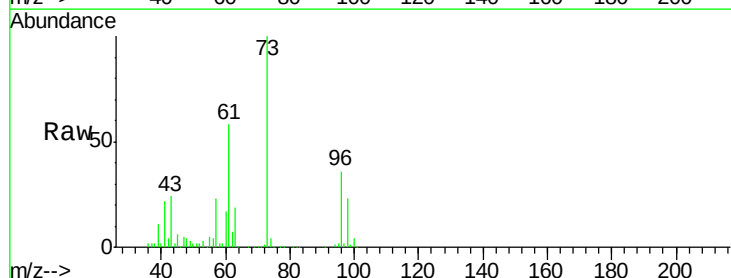
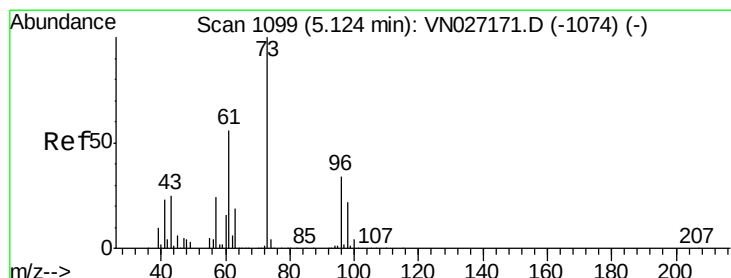
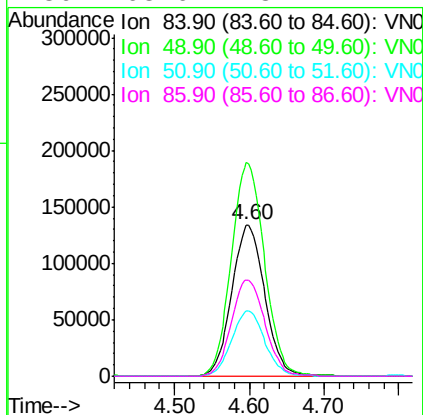
#21
Methylene Chloride
Concen: 48.92 ug/l
RT: 4.60 min Scan# 935
Delta R.T. -0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tot Ion:	84	Resp:	411921
Ion	Ratio	Lower	Upper
84	100		
49	140.9	112.3	168.5
51	43.1	33.8	50.8
86	63.6	48.2	72.4

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

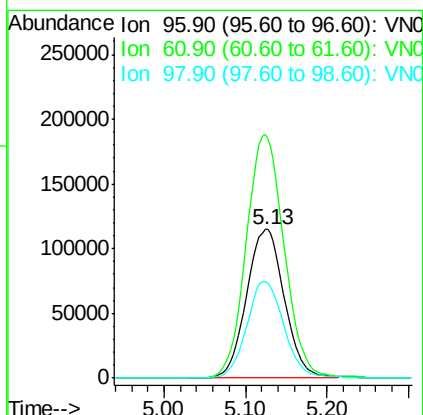
Manual Integrations
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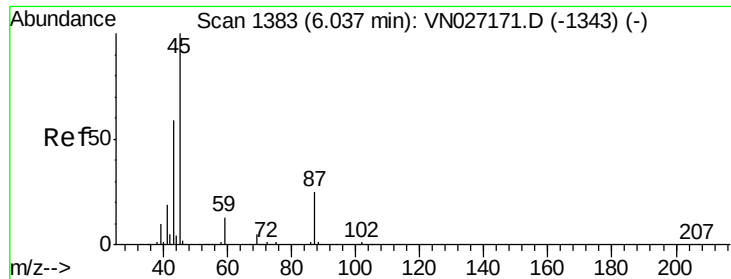
MMDadoda
9/16/2015 11:48:20 AM



#22
trans-1,2-Dichloroethene
Concen: 48.43 ug/l
RT: 5.13 min Scan# 1100
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion:	96	Resp:	368002
Ion	Ratio	Lower	Upper
96	100		
61	161.5	126.6	189.8
98	64.0	47.4	71.2





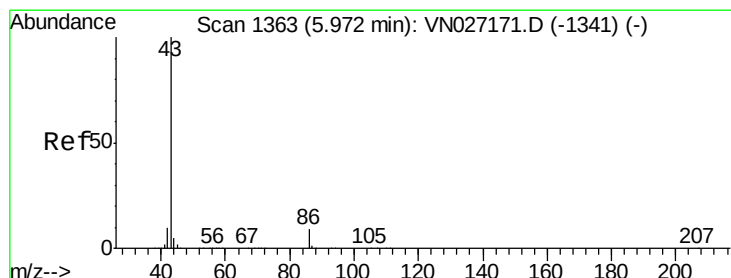
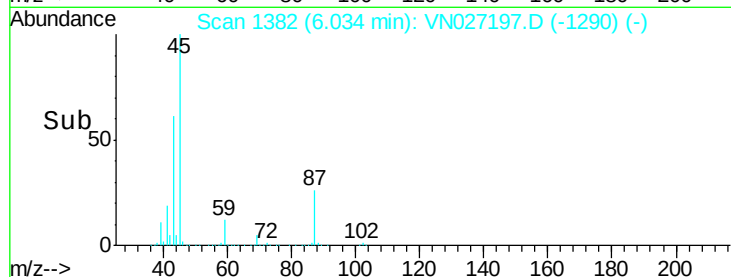
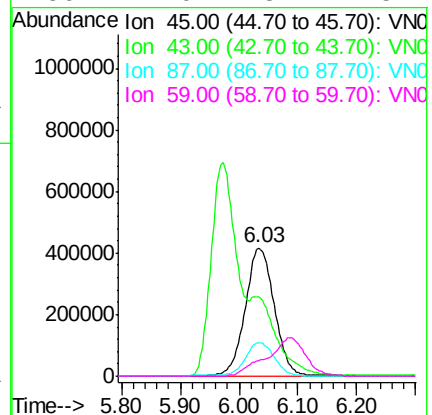
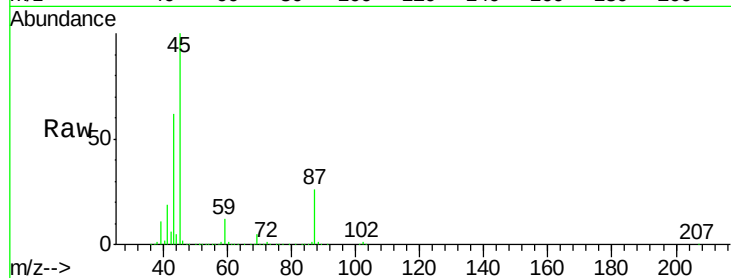
#23
Diisopropyl ether
Concen: 48.41 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	60.6	41.0	61.6	
87	26.1	17.5	26.3	
59	12.0	8.7	13.1	

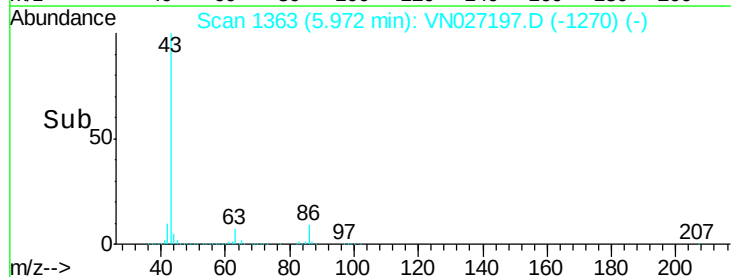
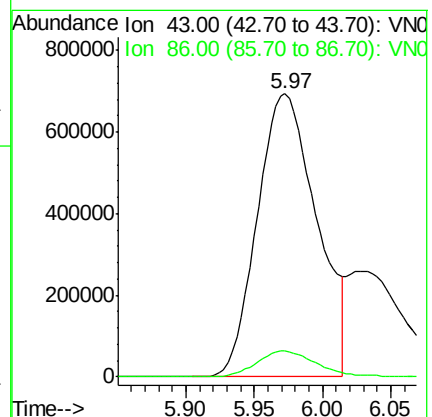
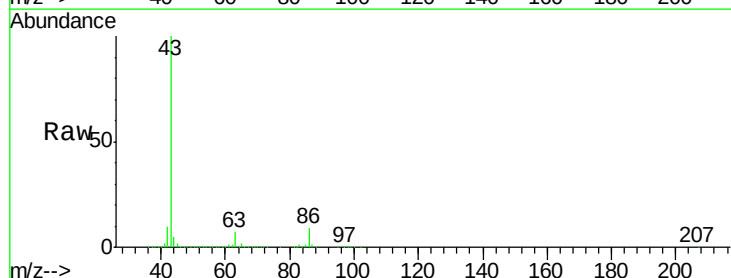
Manual Integrations
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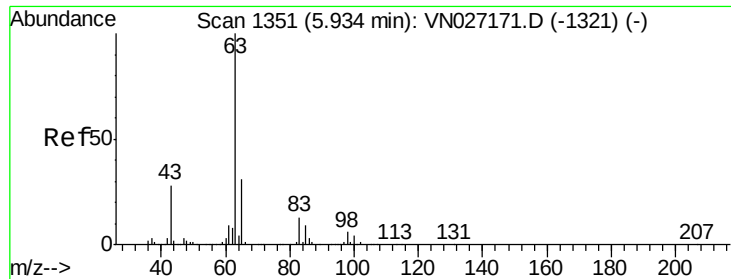
MMDadoda
9/16/2015 11:48:20 AM



#24
Vinyl Acetate
Concen: 212.62 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

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





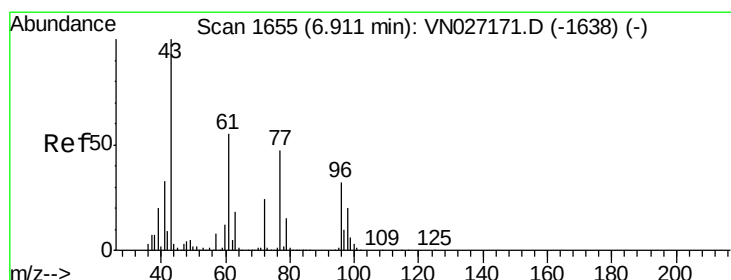
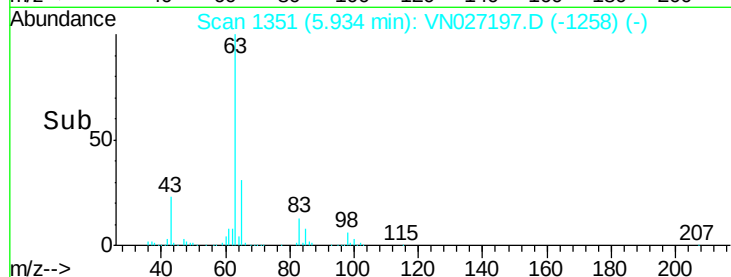
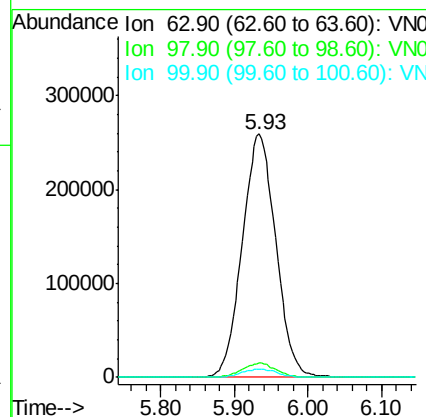
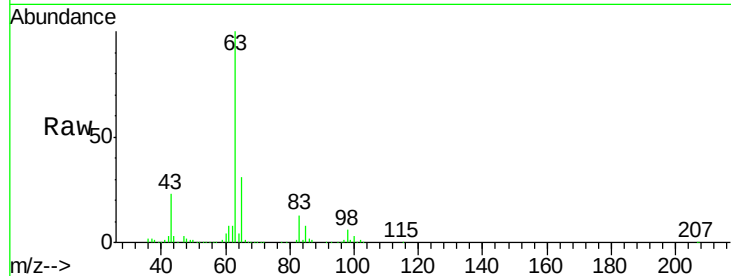
#25
 1,1-Dichloroethane
 Concen: 47.55 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
63	100		
98	5.8	2.8	8.3
100	3.1	1.7	5.0

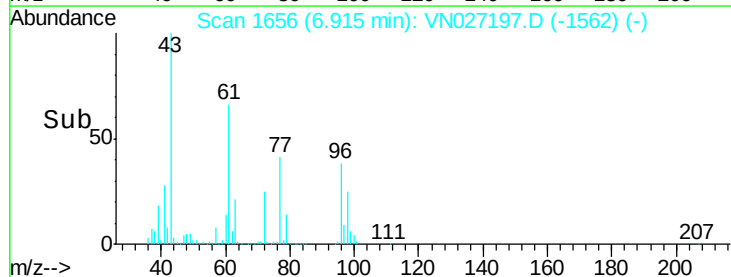
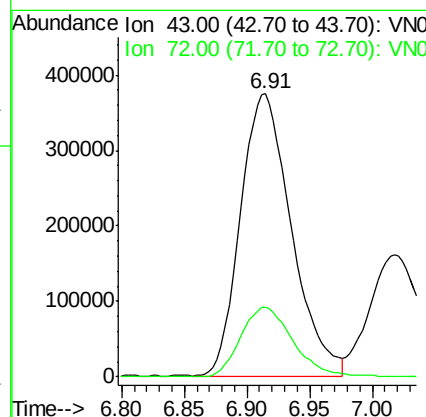
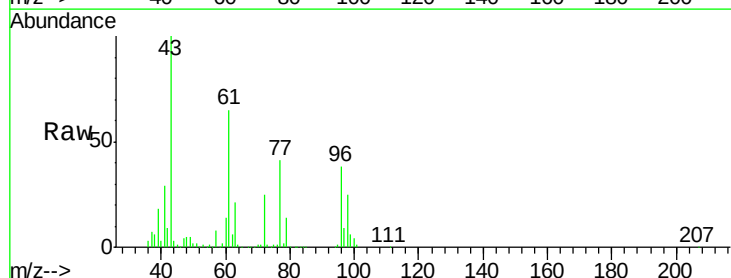
Manual Integrations
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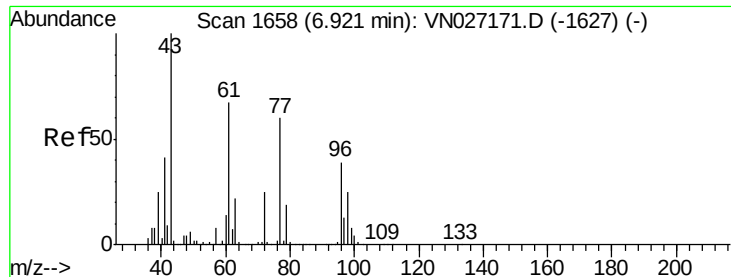
MMDadoda
 9/16/2015 11:48:20 AM



#26
 2-Butanone
 Concen: 231.41 ug/l
 RT: 6.91 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
72	24.9	18.8	28.2





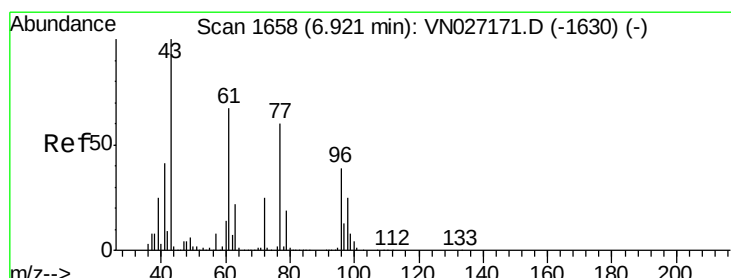
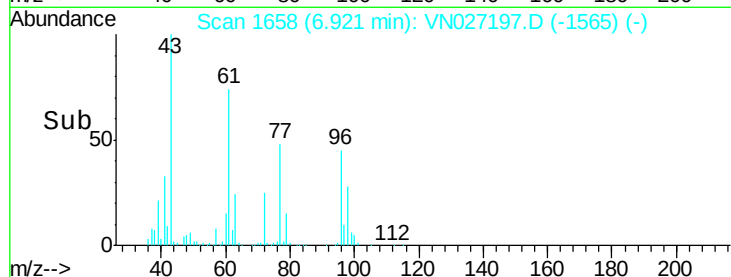
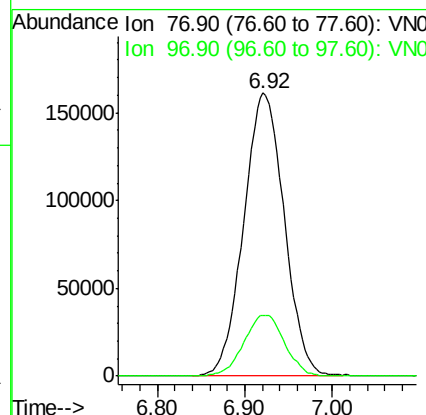
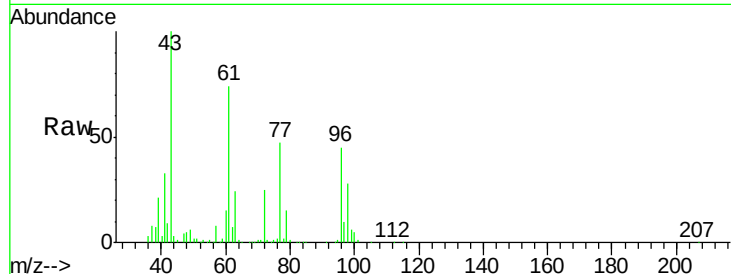
#27
 2,2-Dichloropropane
 Concen: 34.26 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
77	100		
97	21.9	11.8	35.3

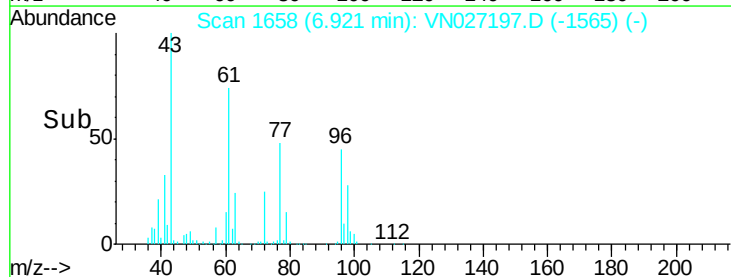
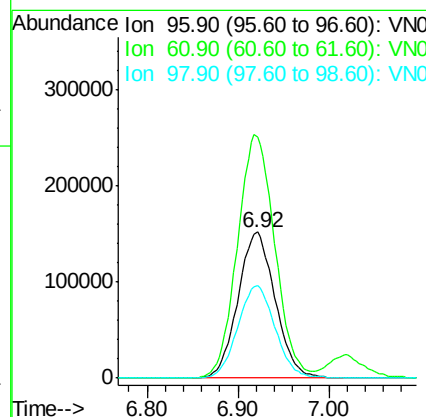
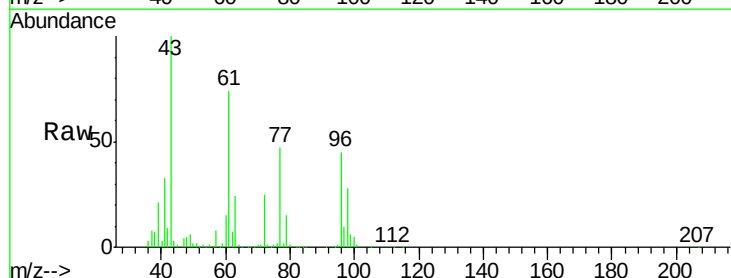
Manual Integrations
 APPROVED

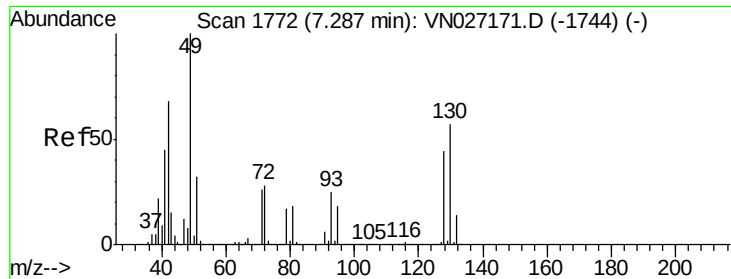
MMDadoda
 9/16/2015 11:48:20 AM



#28
 cis-1,2-Dichloroethene
 Concen: 49.47 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.8	0.0	329.2
98	63.7	0.0	126.0





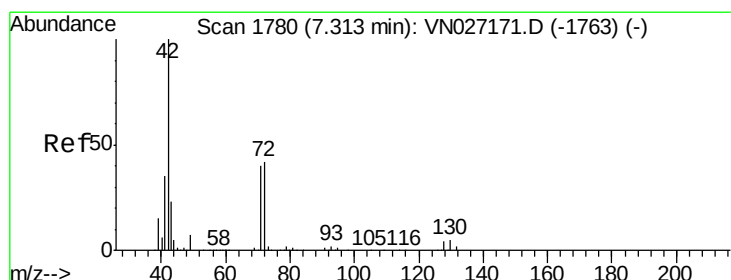
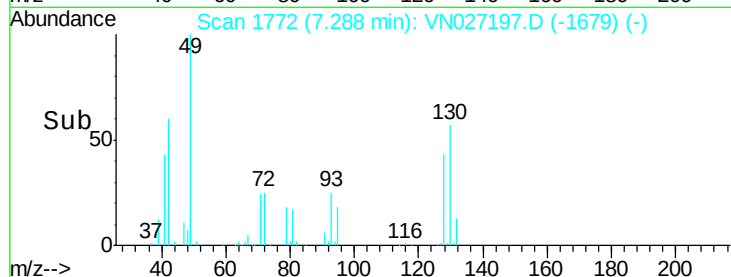
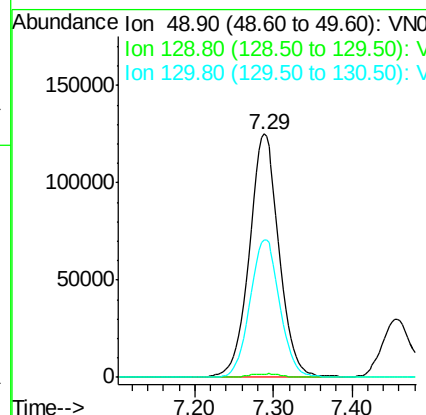
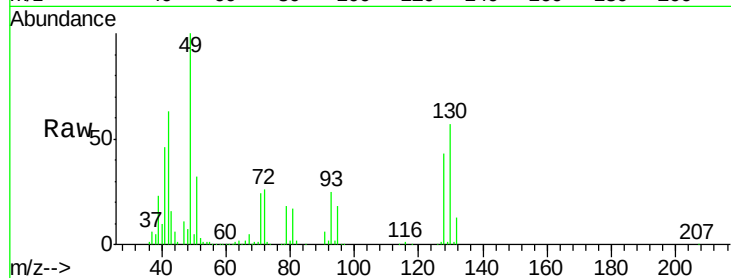
#29
Bromochloromethane
Concen: 49.89 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	56.8	43.2	64.8

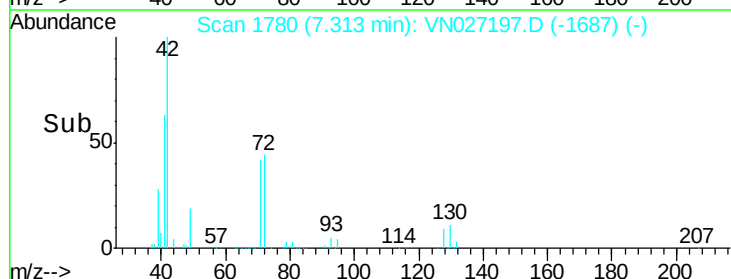
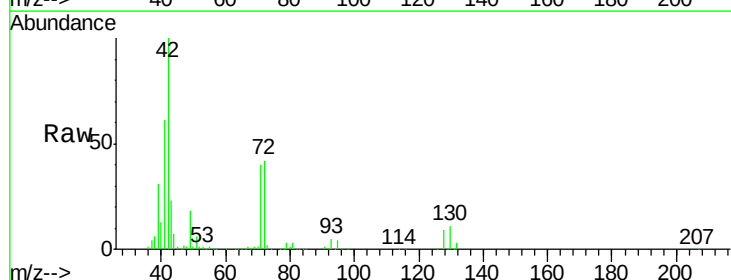
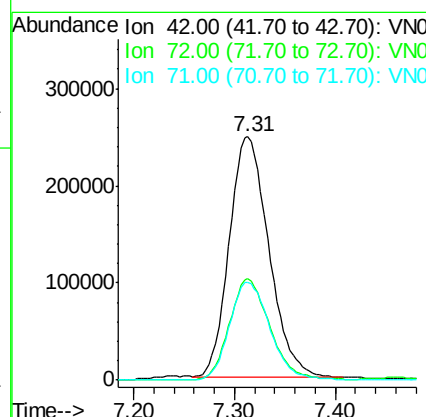
Manual Integrations
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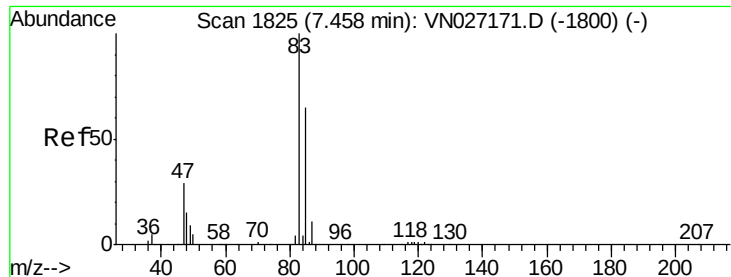
MMDadoda
9/16/2015 11:48:20 AM



#30
Tetrahydrofuran
Concen: 216.43 ug/l
RT: 7.31 min Scan# 1780
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.9	29.9	44.9
71	41.5	28.3	42.5





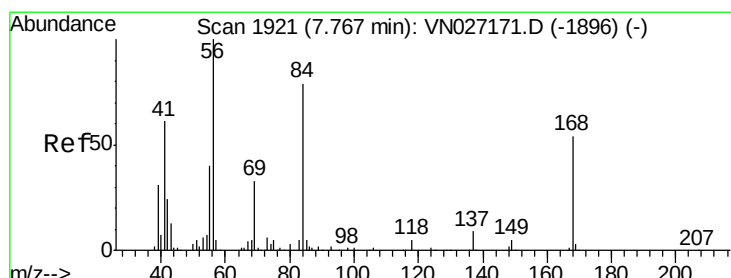
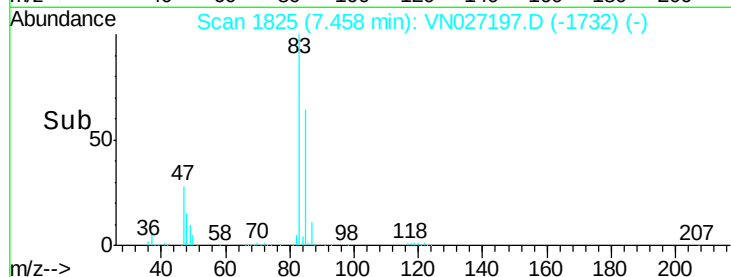
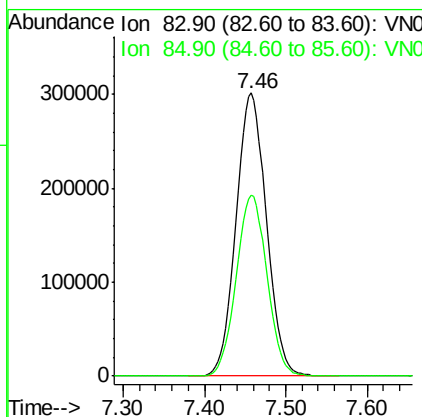
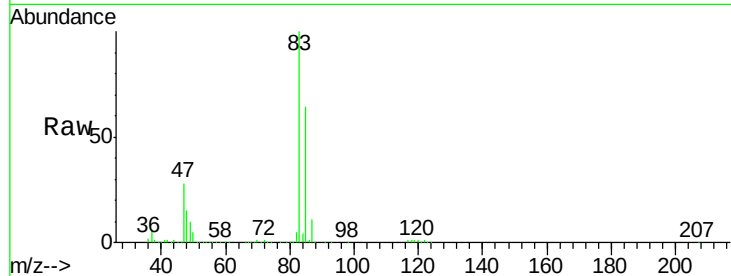
#31
Chloroform
Concen: 49.67 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	776088
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.1	76.7

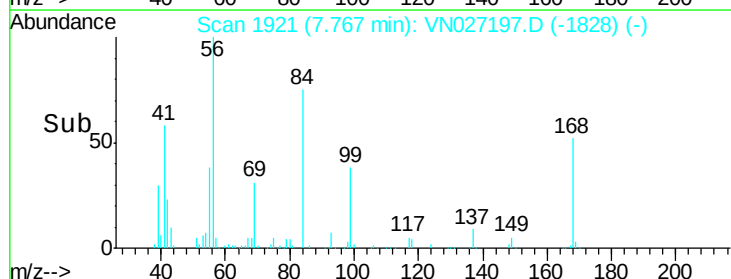
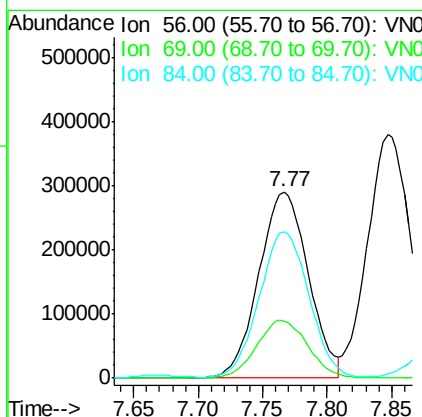
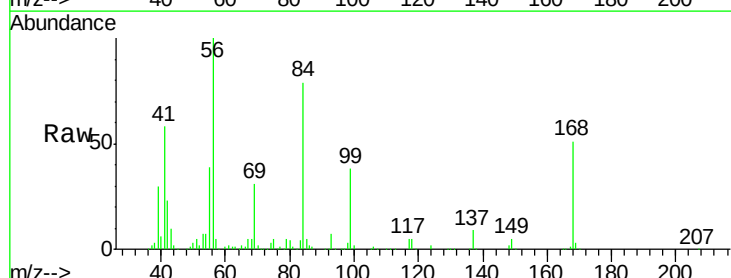
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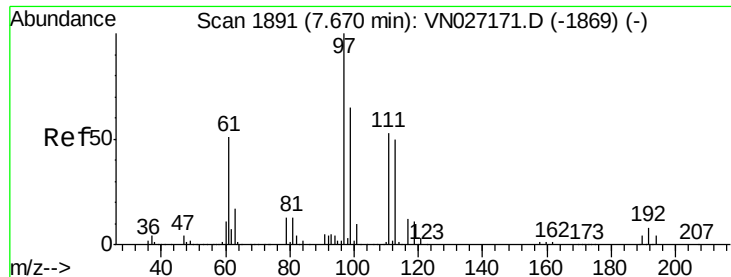
MMDadoda
9/16/2015 11:48:20 AM



#32
Cyclohexane
Concen: 50.33 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	56	Resp	774797
Ion Ratio	100	Lower	Upper
56	100		
69	30.6	23.0	34.4
84	78.0	57.8	86.8





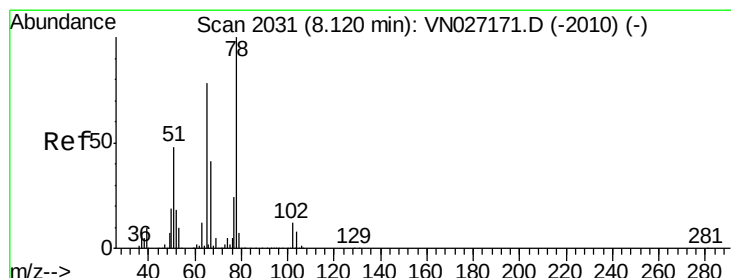
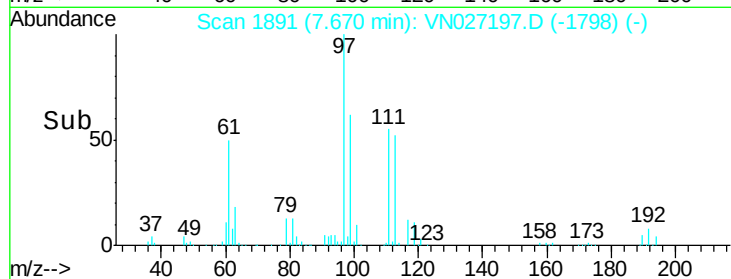
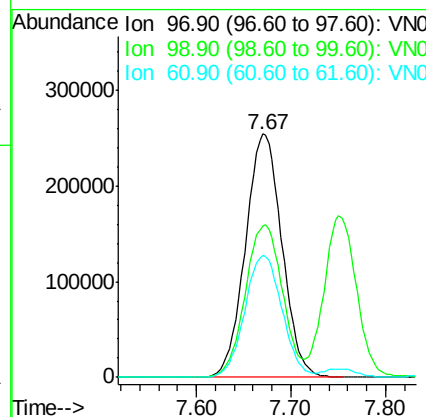
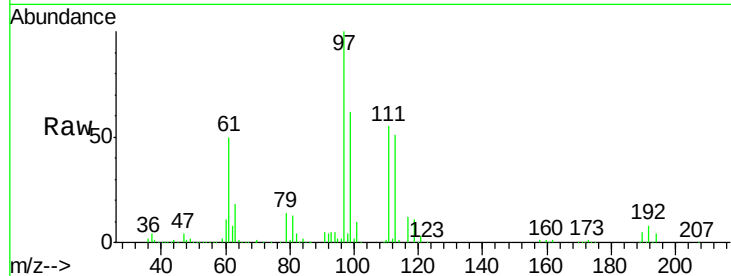
#33
 1,1,1-Trichloroethane
 Concen: 48.97 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.1	75.1
61	50.9	44.0	66.0

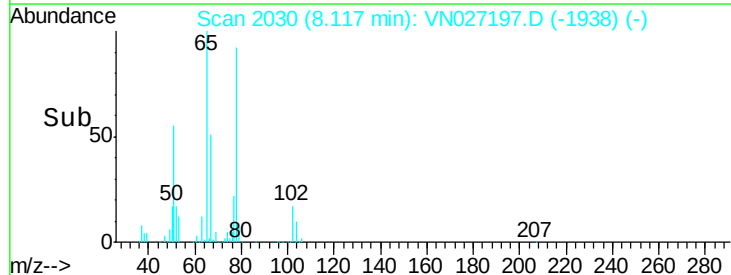
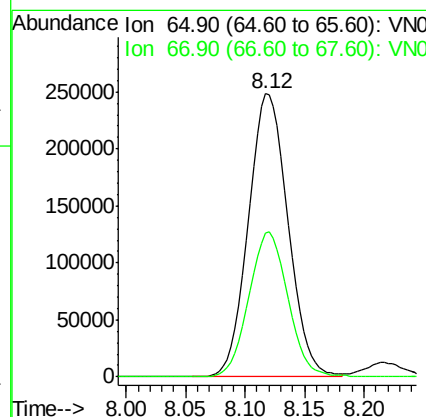
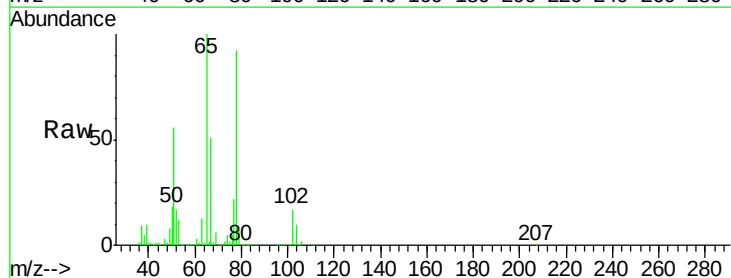
Manual Integrations
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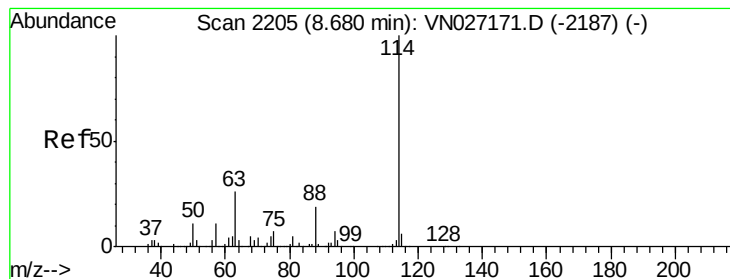
MMDadoda
 9/16/2015 11:48:20 AM



#34
 1,2-Dichloroethane-d4
 Concen: 51.22 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.1	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: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:114 Resp: 1056967

Ion Ratio Lower Upper

114 100

63 26.1 0.0 48.8

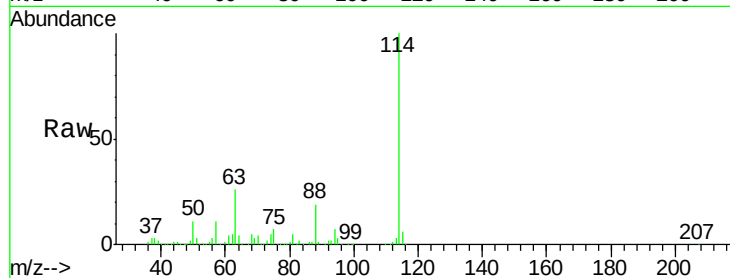
88 18.5 0.0 32.2

Manual Integrations

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MMDadoda

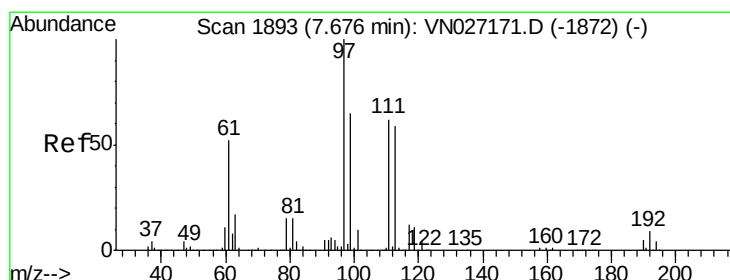
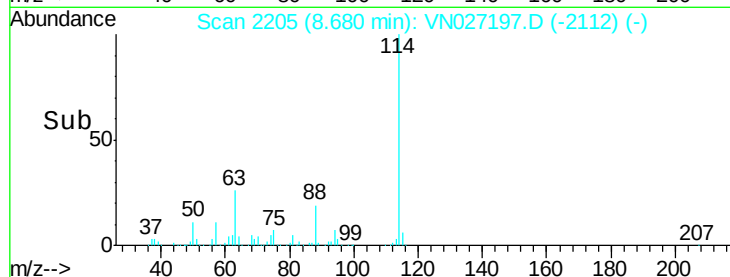
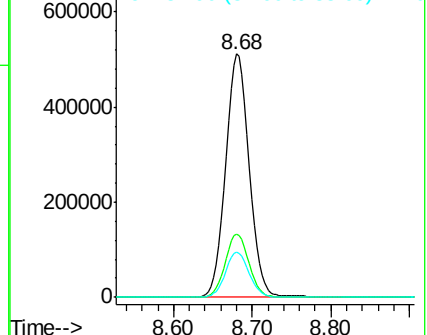
9/16/2015 11:48:20 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 49.12 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

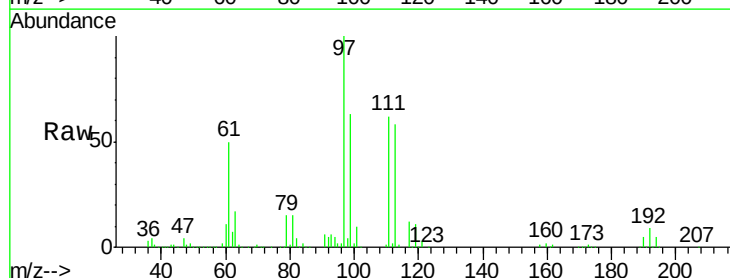
Tgt Ion:113 Resp: 359919

Ion Ratio Lower Upper

113 100

111 105.5 83.0 124.4

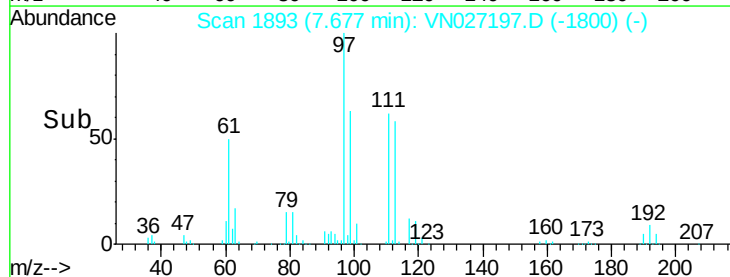
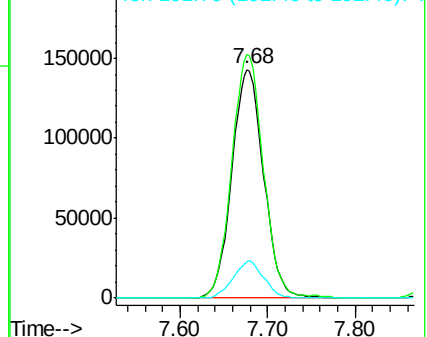
192 15.8 14.1 21.1

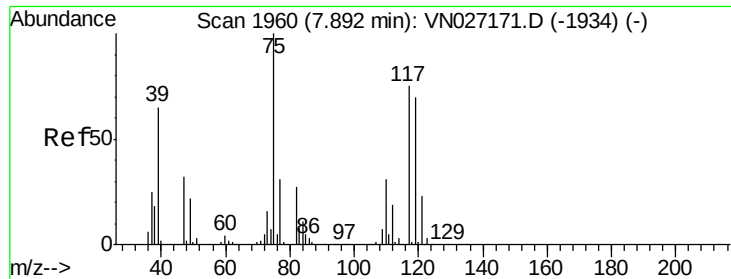


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





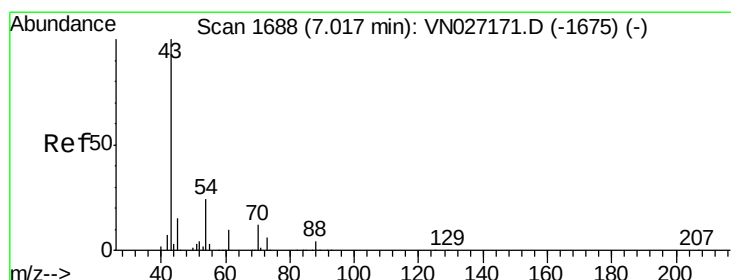
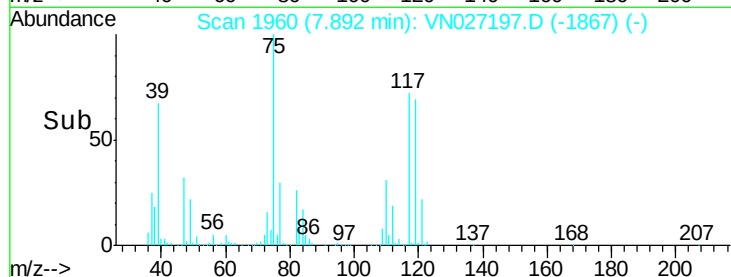
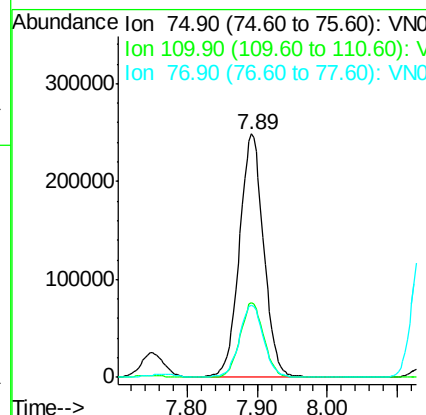
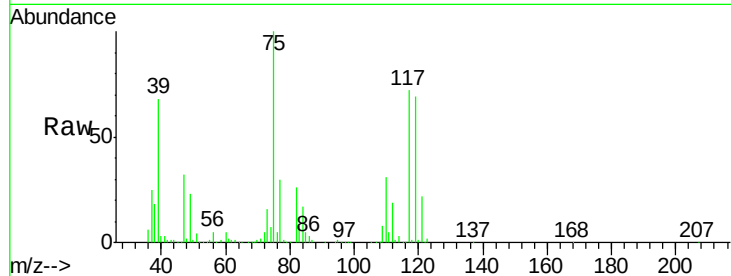
#37
 1,1-Dichloropropene
 Concen: 48.14 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	30.0	15.9	47.7
77	29.8	24.9	37.3

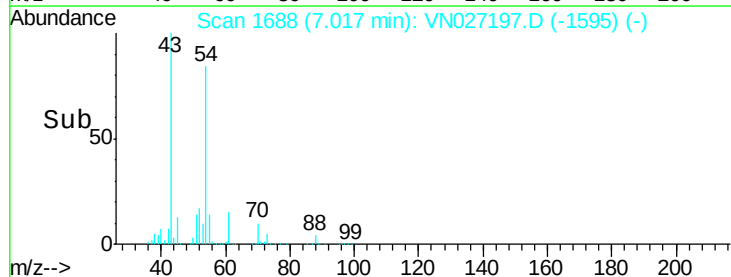
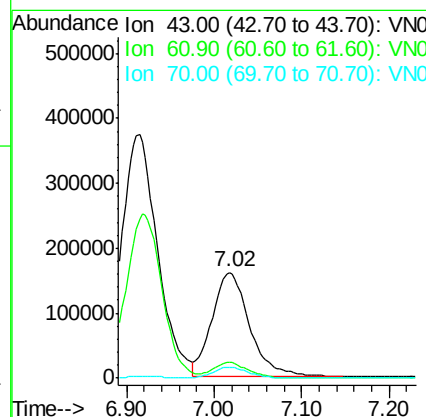
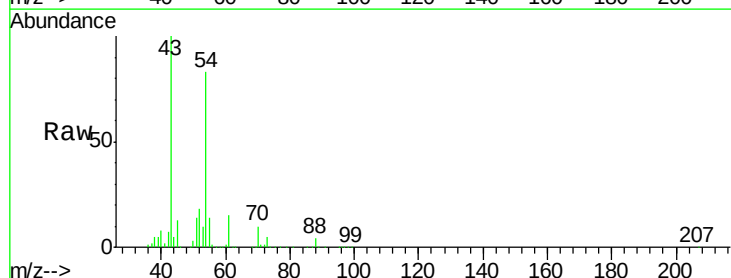
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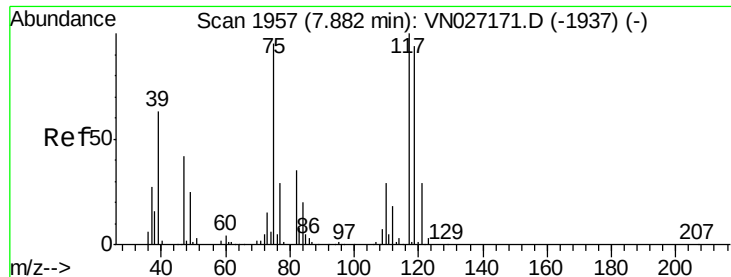
MMDadoda
 9/16/2015 11:48:20 AM



#38
 Ethyl Acetate
 Concen: 45.41 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
61	13.3	10.2	15.4
70	9.9	7.4	11.0





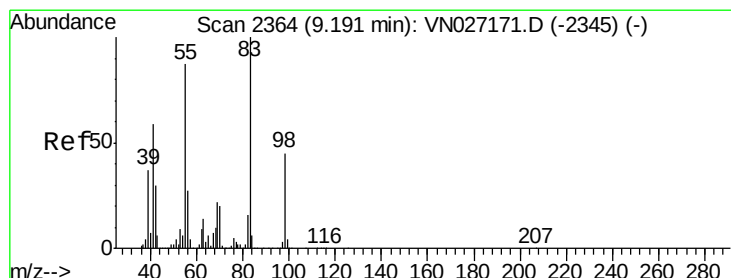
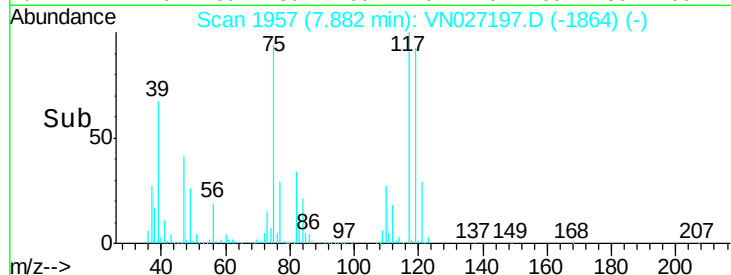
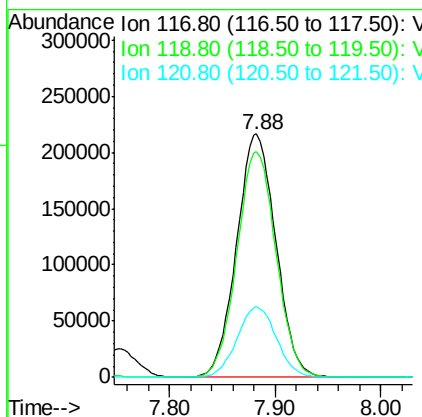
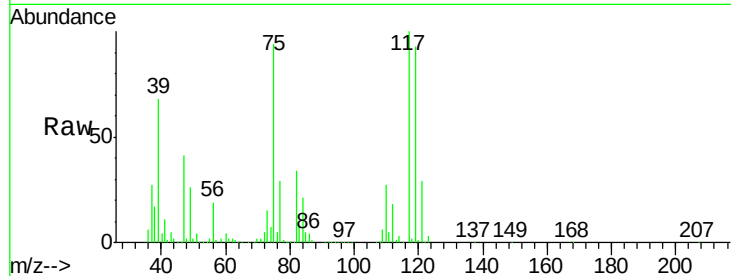
#39
Carbon Tetrachloride
Concen: 47.89 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	557085		
119	92.9		75.3	112.9
121	29.1		23.8	35.8

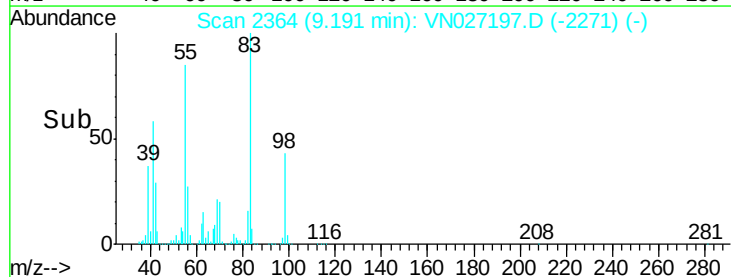
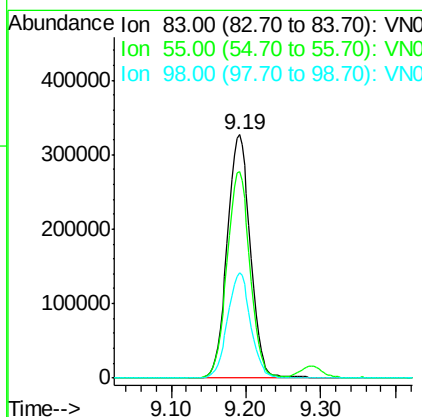
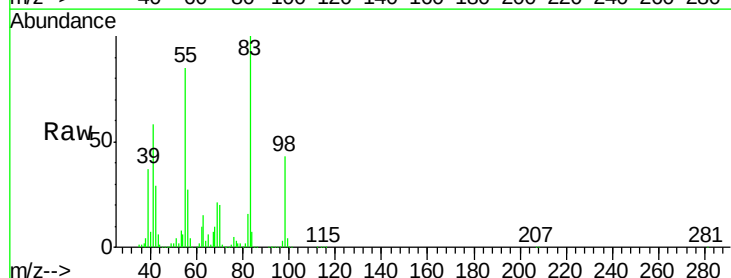
Manual Integrations
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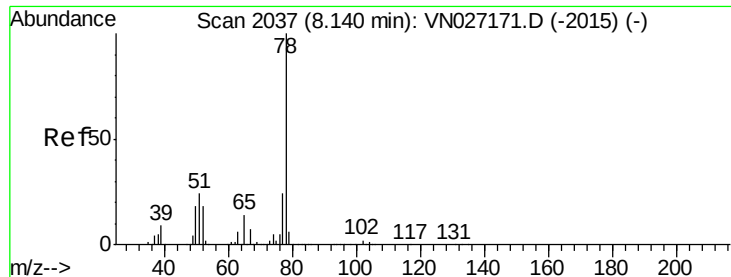
MMDadoda
9/16/2015 11:48:20 AM



#40
Methylcyclohexane
Concen: 46.53 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	701111		
55	84.8		69.8	104.8
98	43.2		34.3	51.5





#41

Benzene

Concen: 47.15 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 78 Resp: 1701995

Ion Ratio Lower Upper

78 100

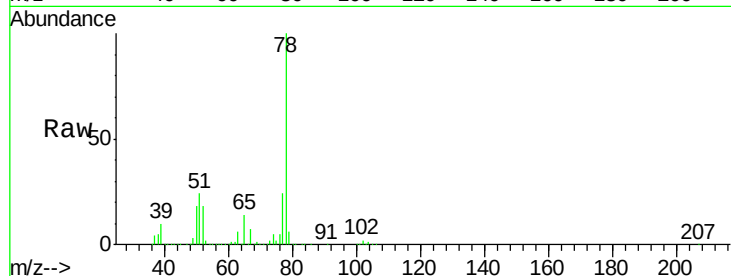
77 23.6 19.0 28.4

Manual Integrations

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MMDadoda

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Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.14

800000

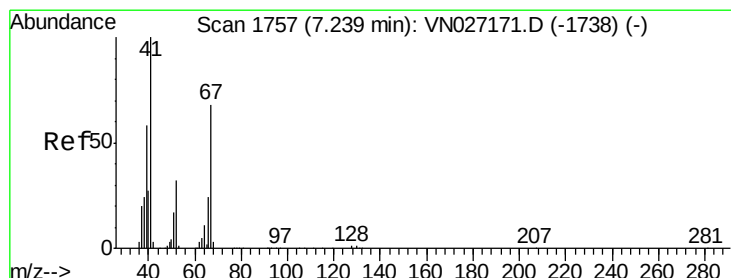
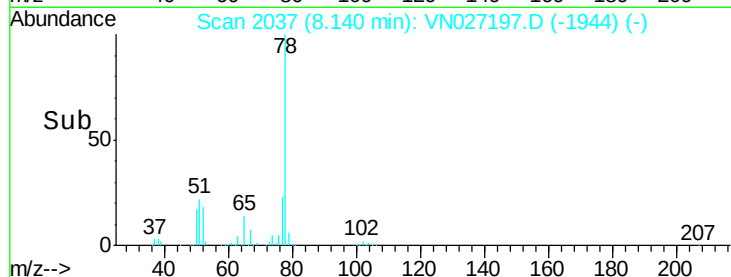
600000

400000

200000

0

Time-->



#42

Methacrylonitrile

Concen: 47.77 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Tgt Ion: 41 Resp: 285691

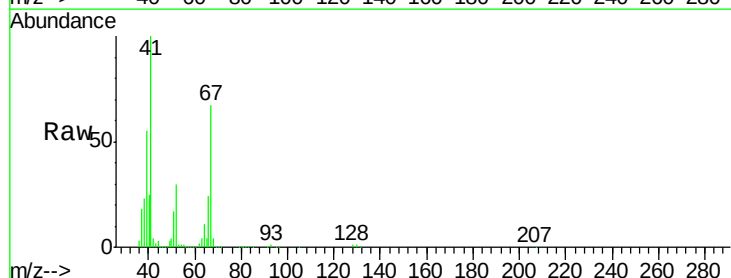
Ion Ratio Lower Upper

41 100

39 56.8 43.0 64.6

67 70.5 52.2 78.2

52 32.5 21.3 31.9#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

200000

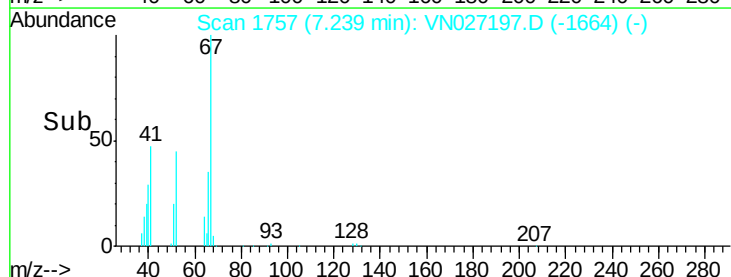
150000

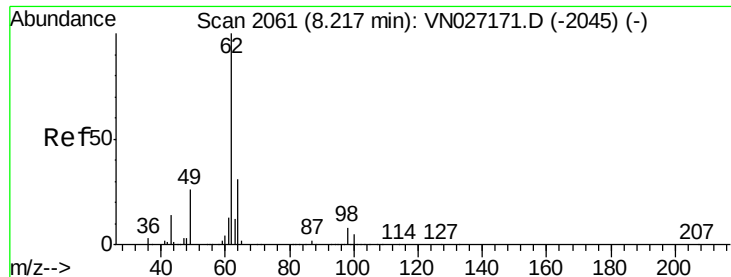
100000

50000

0

Time-->





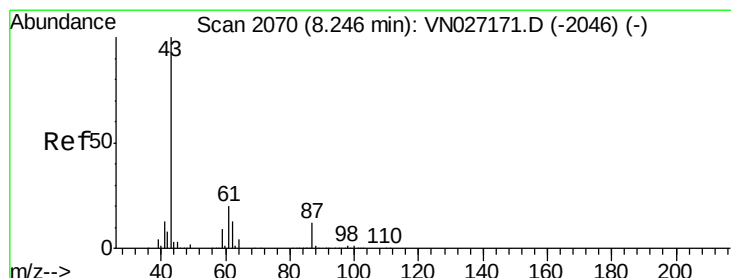
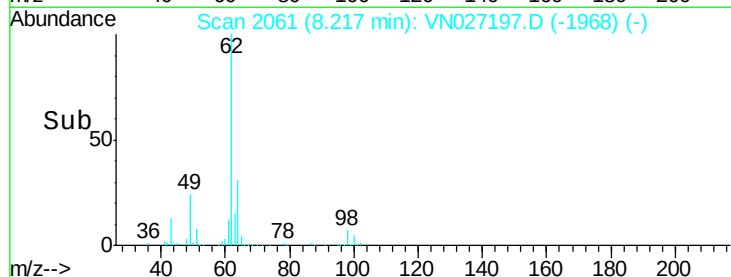
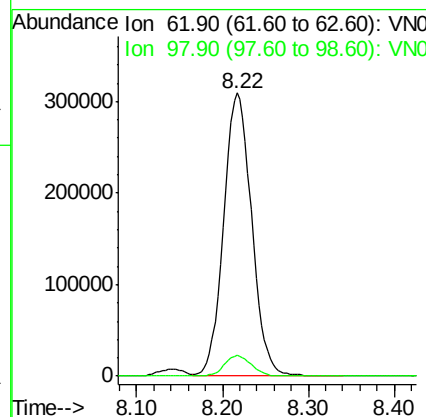
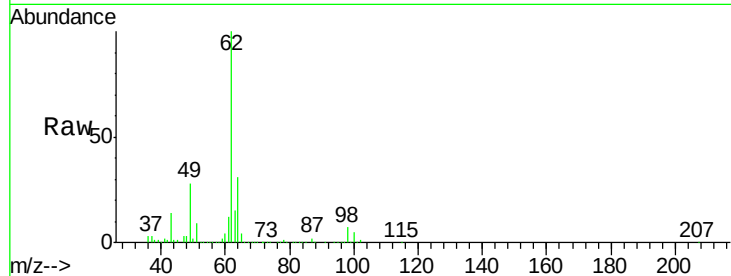
#43
 1,2-Dichloroethane
 Concen: 48.14 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
62	100	700042		
98	7.1	0.0	18.0	

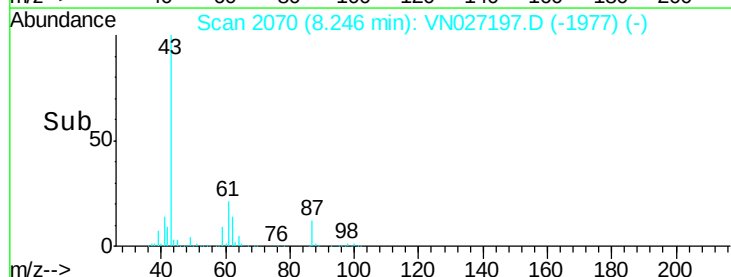
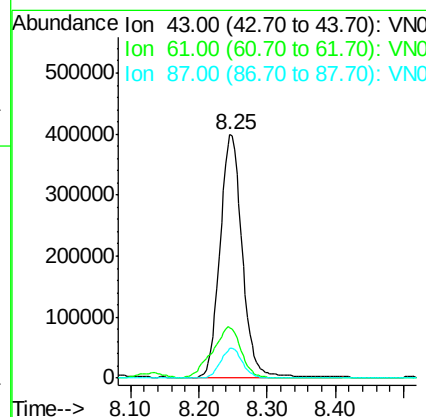
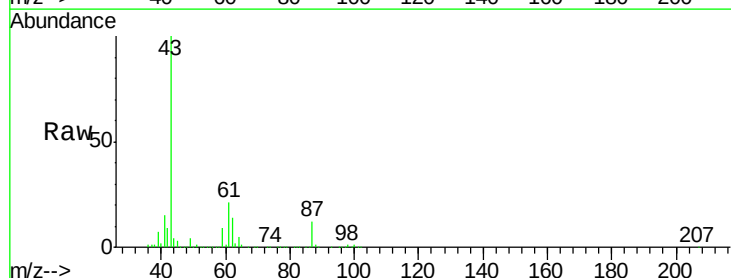
Manual Integrations
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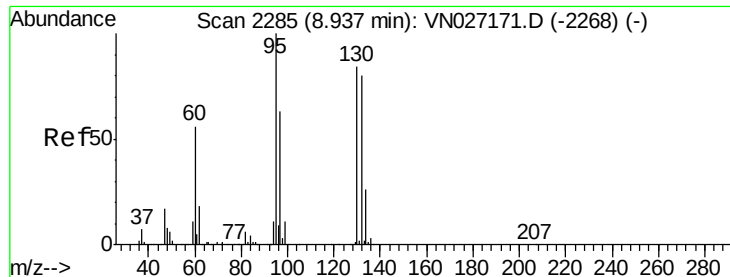
MMDadoda
 9/16/2015 11:48:20 AM



#44
 Isopropyl Acetate
 Concen: 45.28 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	895265		
61	27.2	20.6	31.0	
87	12.2	8.6	13.0	





#45

Trichloroethene

Concen: 47.87 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:130 Resp: 347088

Ion Ratio Lower Upper

130 100

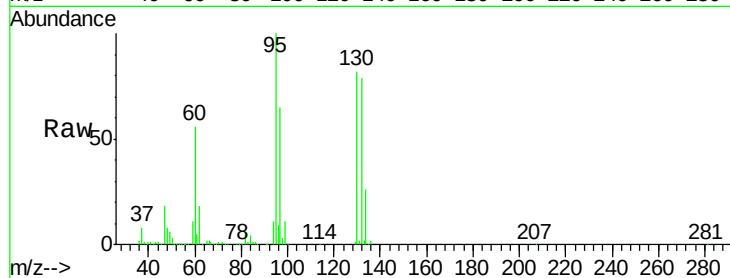
95 121.6 0.0 222.2

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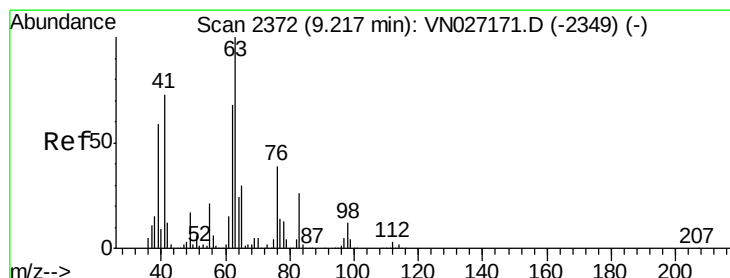
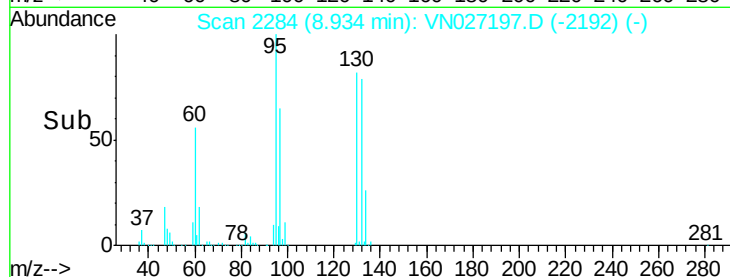
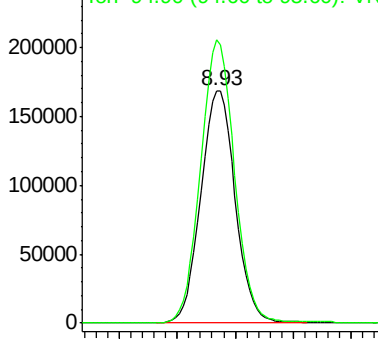
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#46

1,2-Dichloropropane

Concen: 46.95 ug/l

RT: 9.22 min Scan# 2372

Delta R.T. 0.00 min

Lab File: VN027197.D

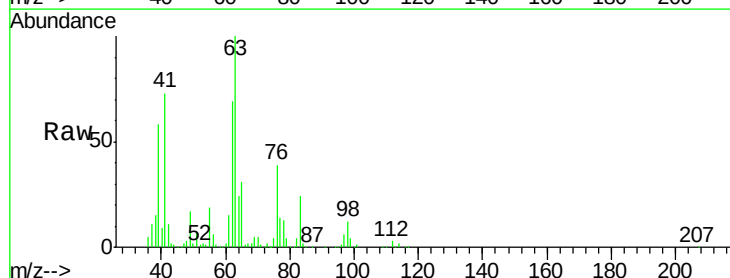
Acq: 16 Sep 2015 7:38

Tgt Ion: 63 Resp: 487662

Ion Ratio Lower Upper

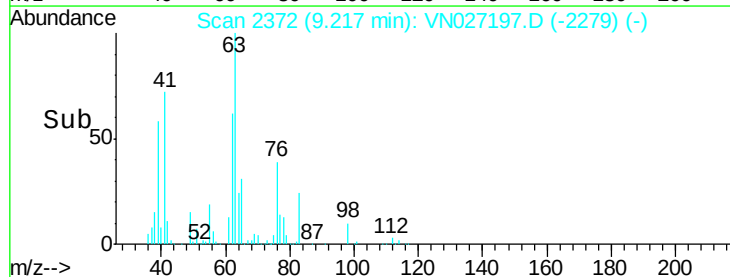
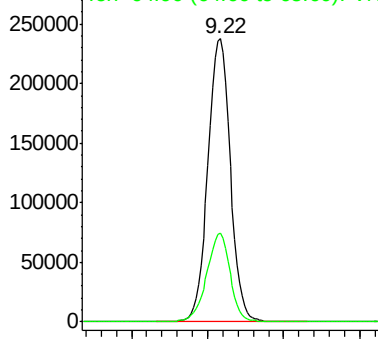
63 100

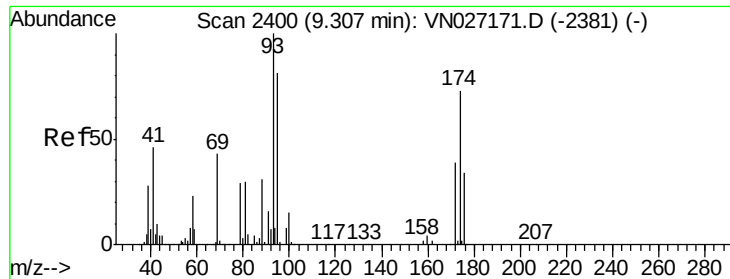
65 31.4 24.4 36.6



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





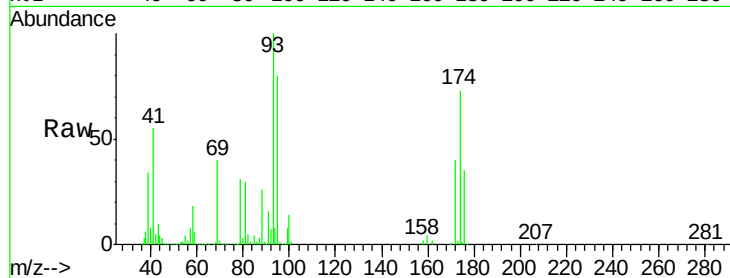
#47
Dibromomethane
Concen: 46.78 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

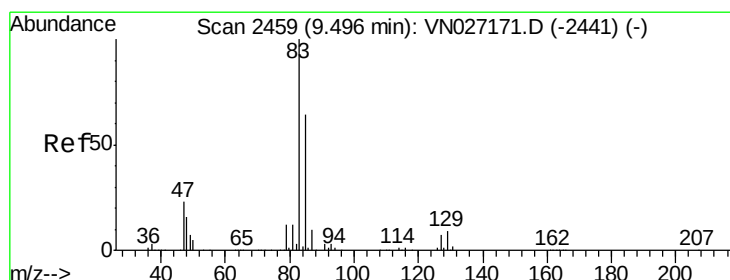
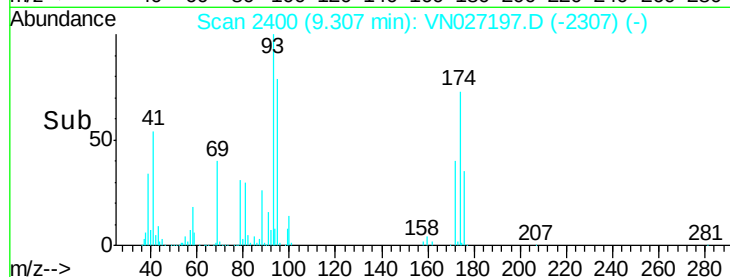
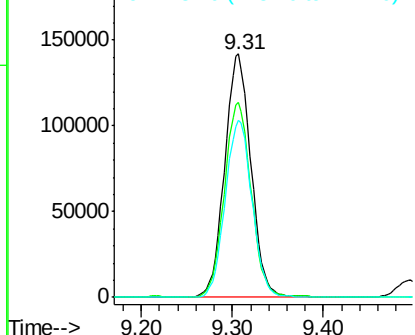
Tot Ion	Ratio	Resp	Lower	Upper
93	100	285299		
95	81.1	66.3	99.5	
174	73.7	67.8	101.6	

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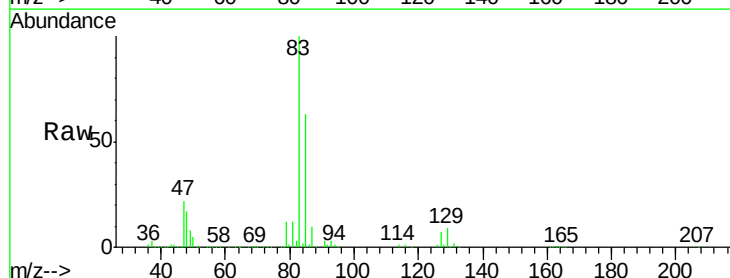


Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

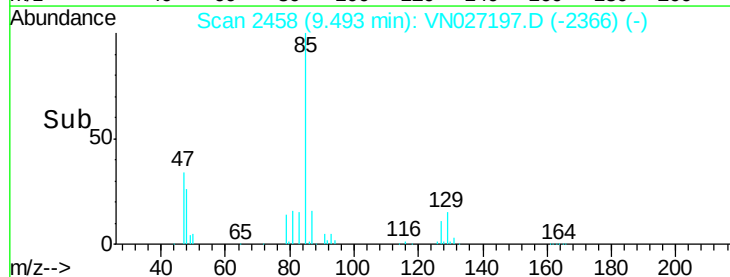
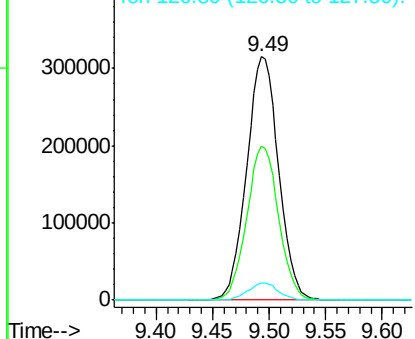


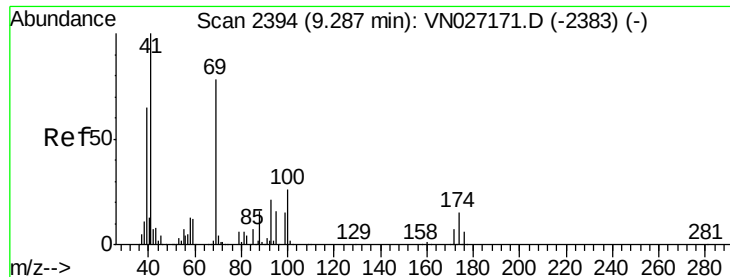
#48
Bromodichloromethane
Concen: 48.22 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	619655		
85	63.1	50.7	76.1	
127	7.2	5.5	8.3	



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V





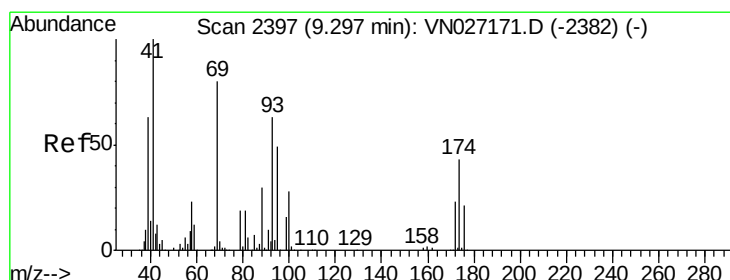
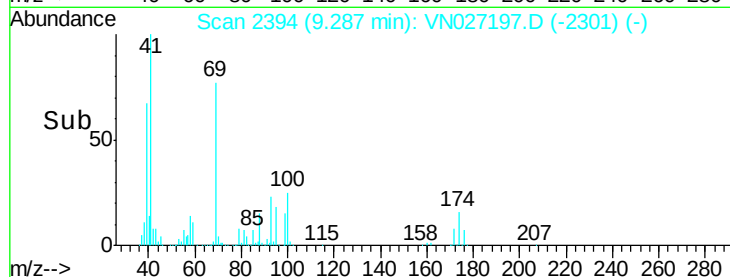
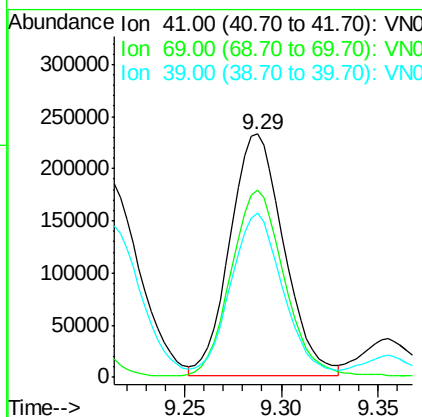
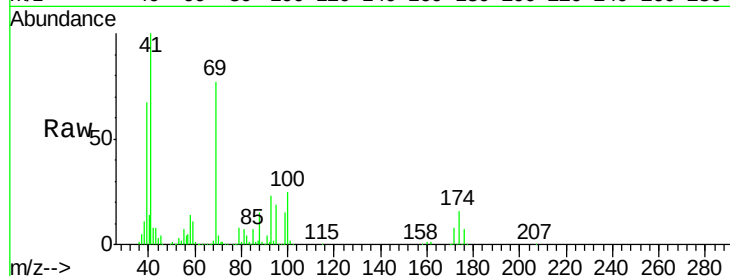
#49
Methvl methacrylate
Concen: 45.93 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
41	100	452446		
69	76.5	59.3	88.9	
39	65.7	39.5	59.3#	

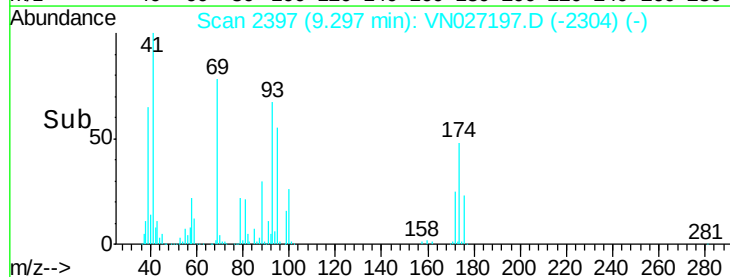
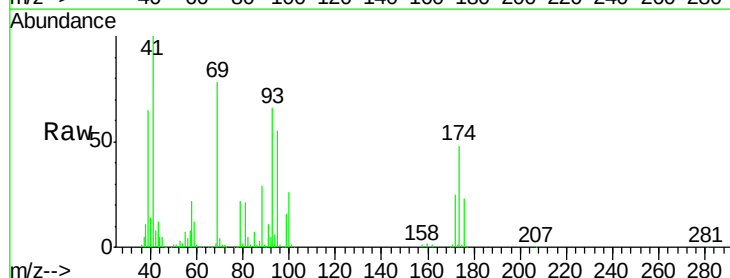
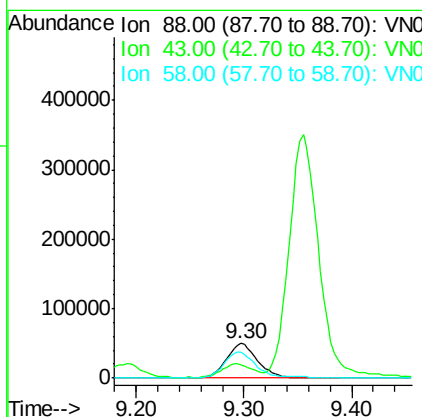
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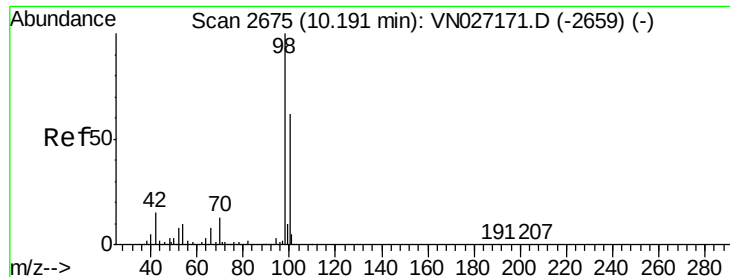
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#50
1,4-Dioxane
Concen: 867.26 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	100197		
43	37.1	27.6	41.4	
58	76.2	63.1	94.7	





#51

Toluene-d8

Concen: 49.35 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 98 Resp: 1415611

Ion Ratio Lower Upper

98 100

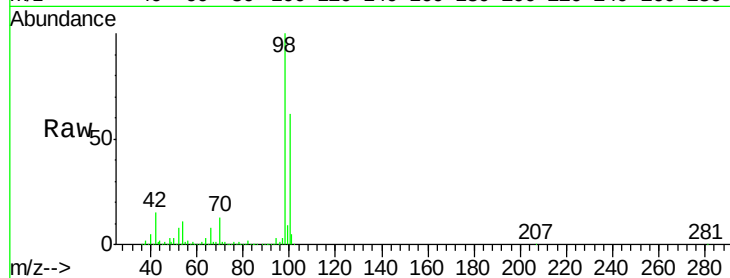
100 62.2 50.5 75.7

Manual Integrations

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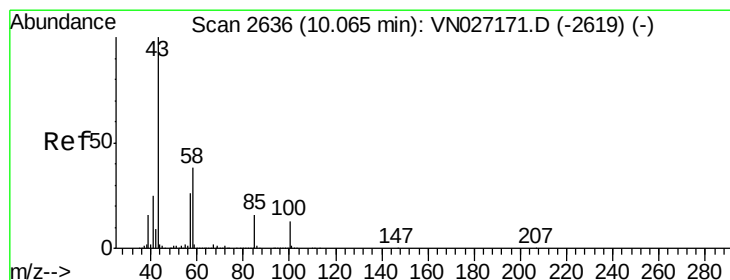
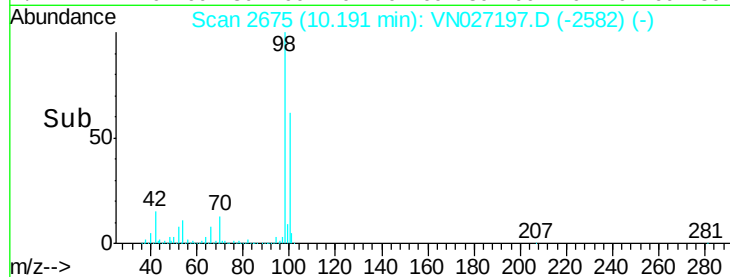
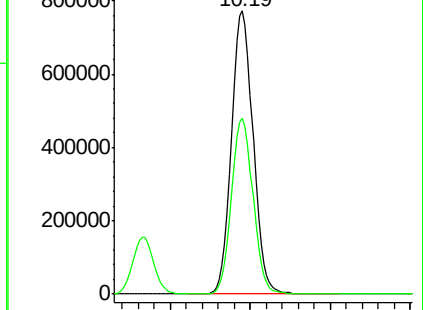
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

4-Methyl-2-Pentanone

Concen: 220.85 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027197.D

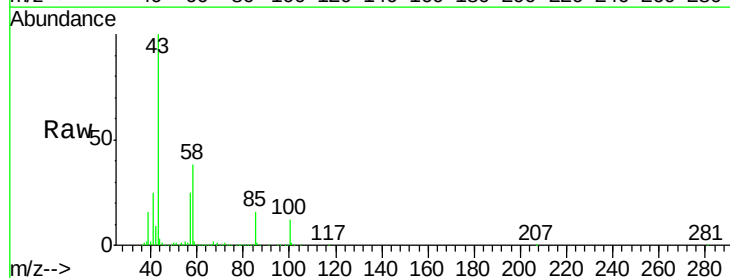
Acq: 16 Sep 2015 7:38

Tgt Ion: 43 Resp: 2308767

Ion Ratio Lower Upper

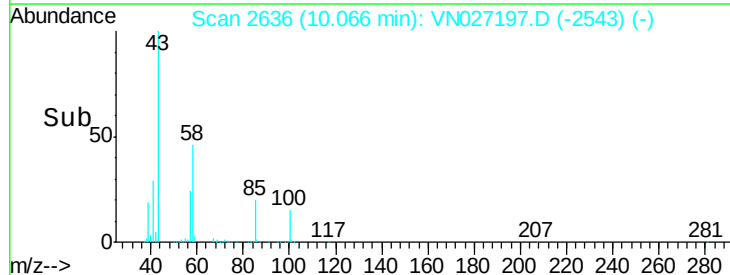
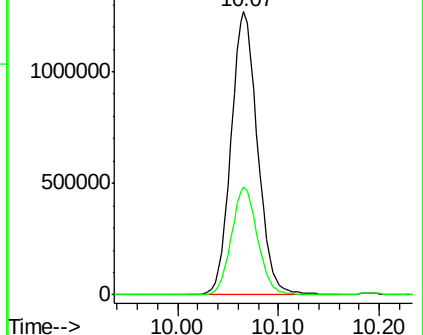
43 100

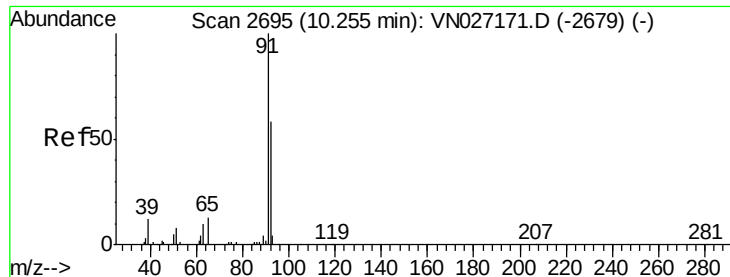
58 37.8 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

Toluene

Concen: 47.09 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 92 Resp: 995679

Ion Ratio Lower Upper

92 100

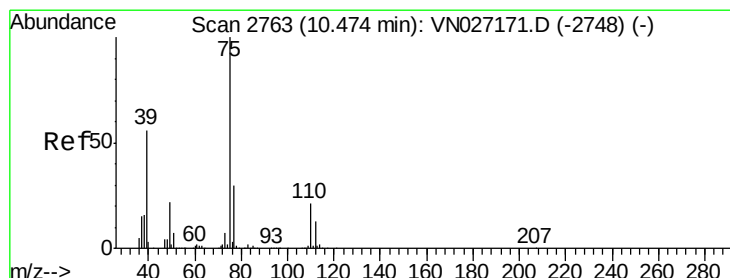
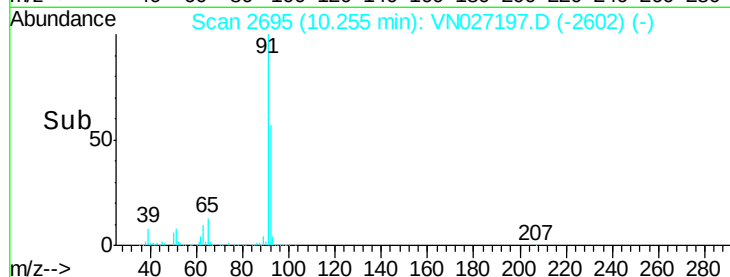
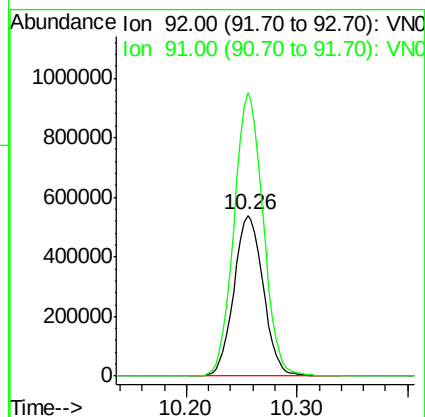
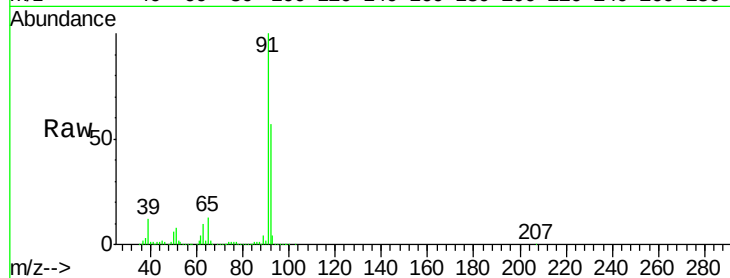
91 174.5 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 43.99 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027197.D

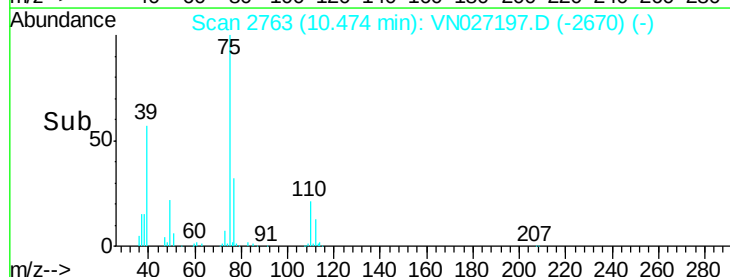
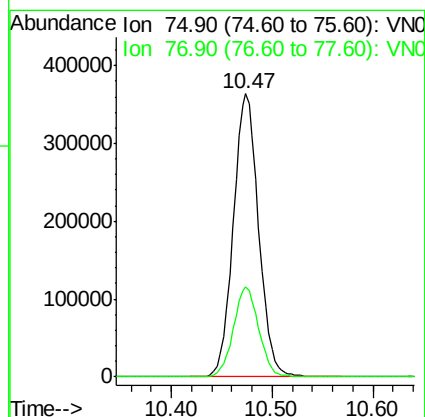
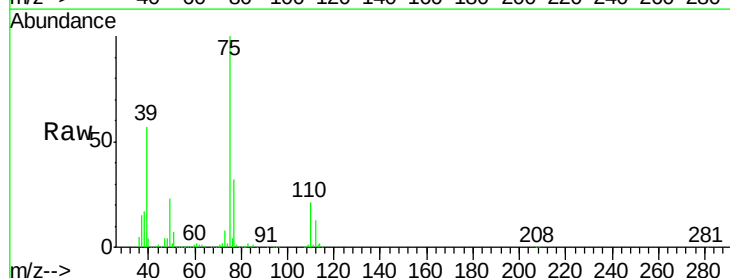
Acq: 16 Sep 2015 7:38

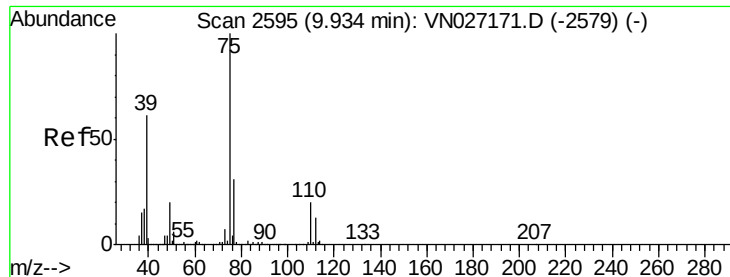
Tgt Ion: 75 Resp: 634888

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 44.93 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

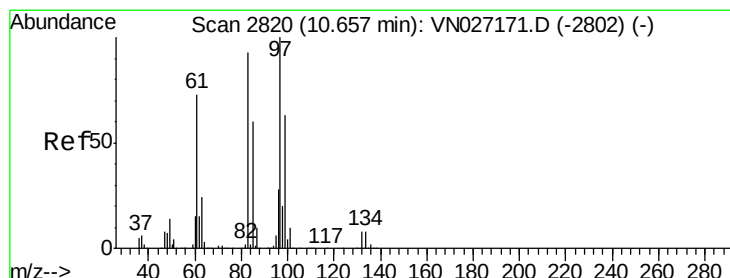
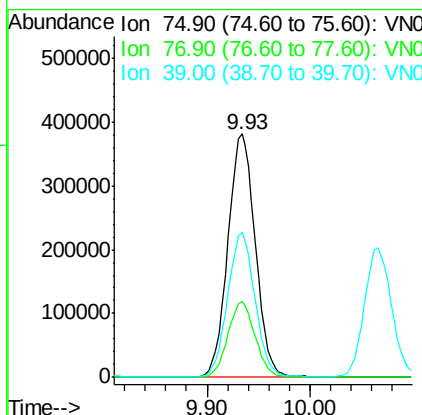
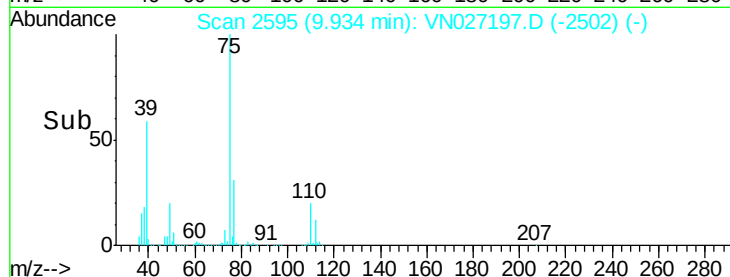
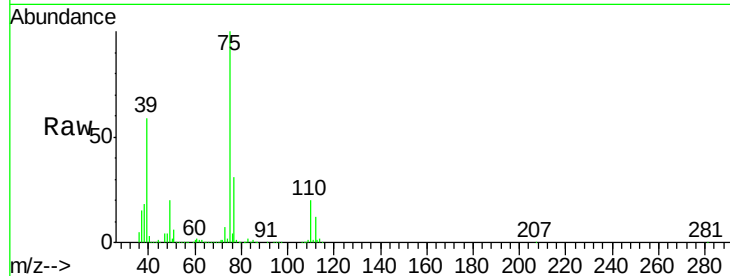
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	705348
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.6	38.4
39	59.2	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 47.34 ug/l

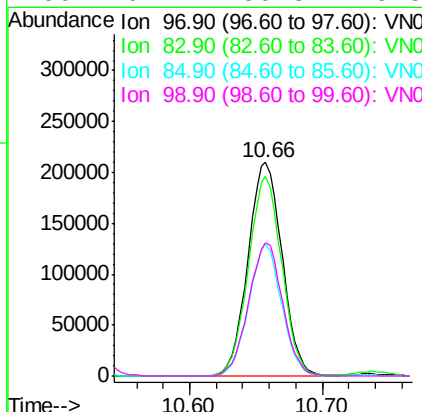
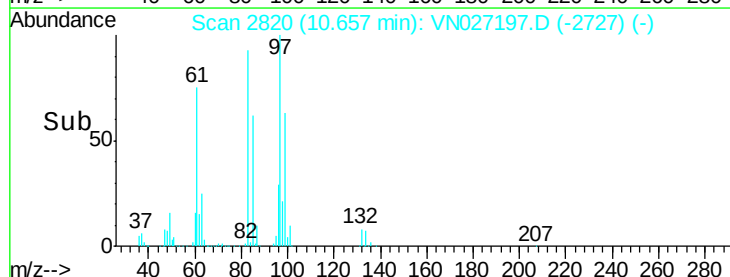
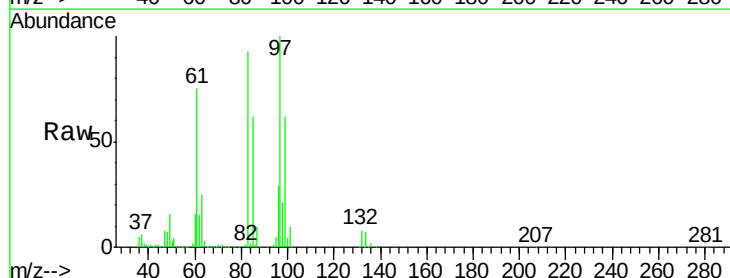
RT: 10.66 min Scan# 2820

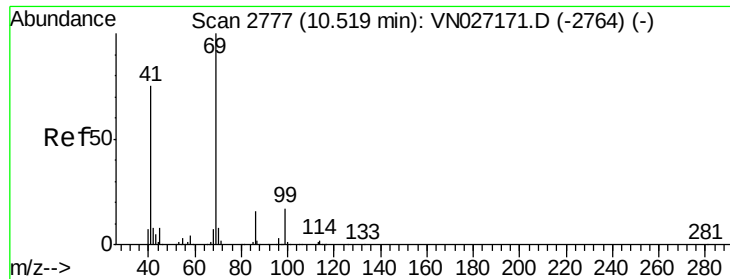
Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Tgt Ion:	97	Resp:	376219
Ion Ratio	Lower	Upper	
97	100		
83	93.2	75.0	112.4
85	61.6	48.0	72.0
99	62.4	50.3	75.5





#57

Ethyl methacrylate

Concen: 45.89 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

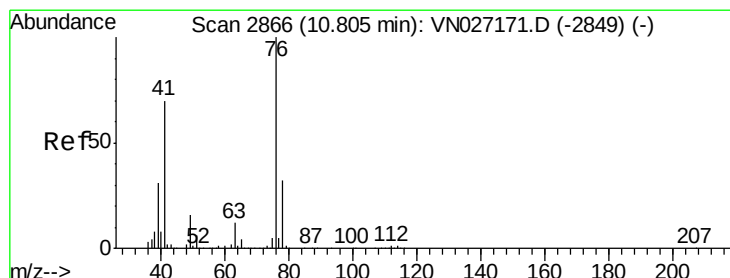
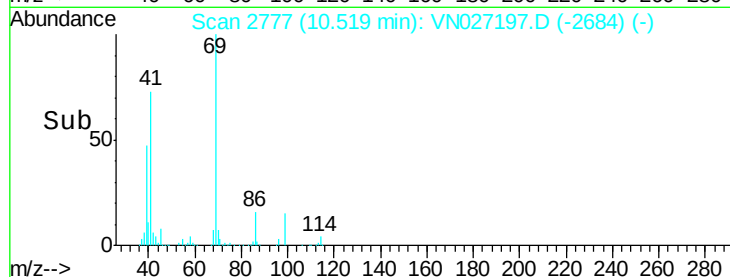
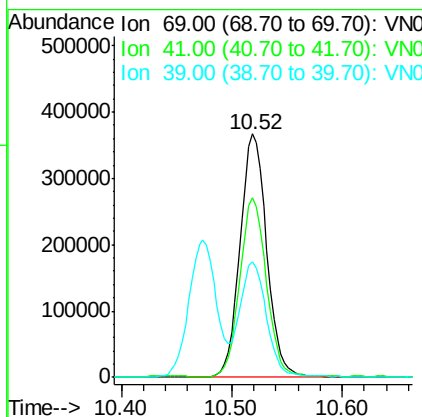
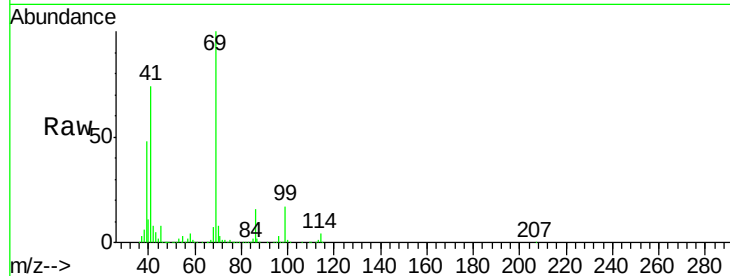
ClientSampleId :

VSTDCCC050EC

Tot Ion:	69	Resp:	614643
Ion Ratio	Lower	Upper	
69	100		
41	72.8	61.3	91.9
39	47.3	28.4	42.6

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#58

1,3-Dichloropropane

Concen: 47.35 ug/l

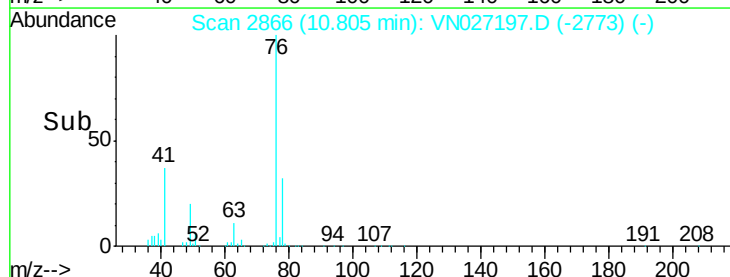
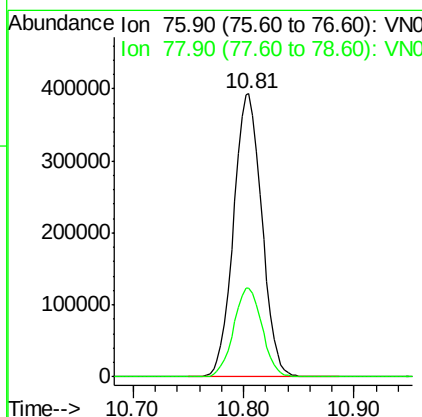
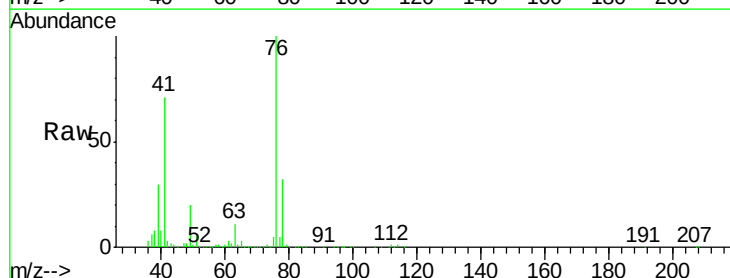
RT: 10.81 min Scan# 2866

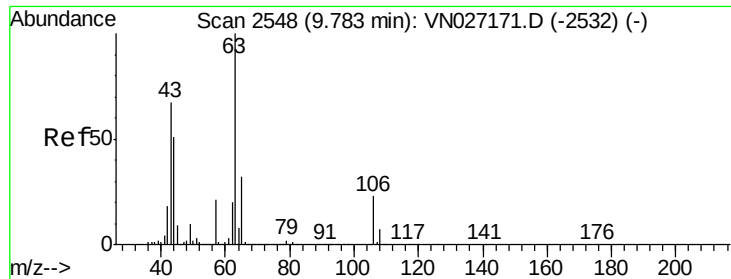
Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Tgt Ion:	76	Resp:	698500
Ion Ratio	Lower	Upper	
76	100		
78	31.5	25.0	37.6





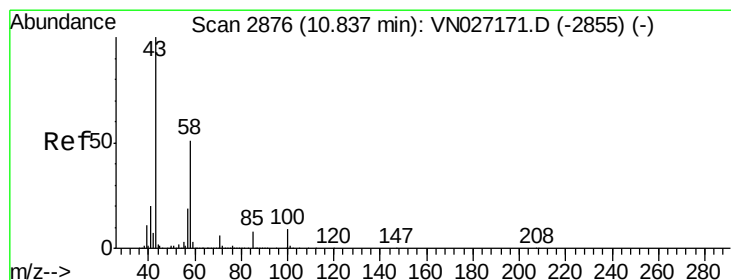
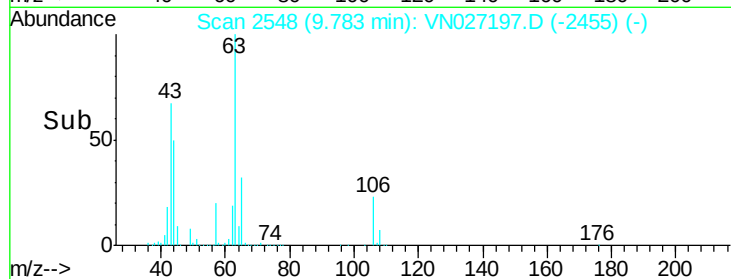
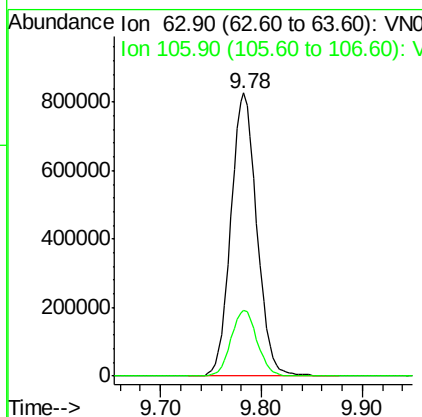
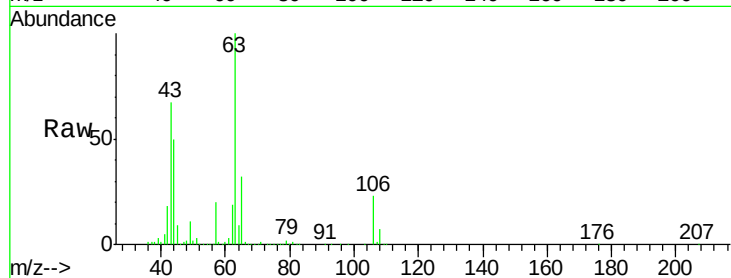
#59
 2-Chloroethyl Vinyl ether
 Concen: 240.61 ug/l
 RT: 9.78 min Scan# 2548
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 63 Resp: 1479563
 Ion Ratio Lower Upper
 63 100
 106 23.5 17.7 26.5

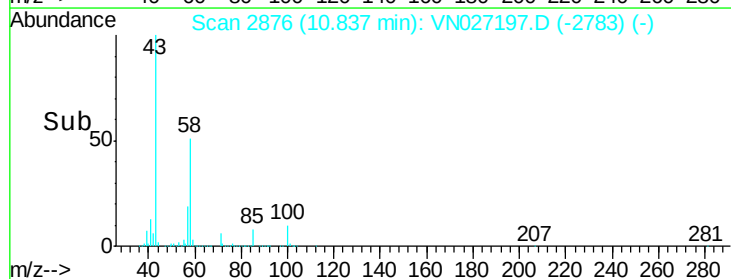
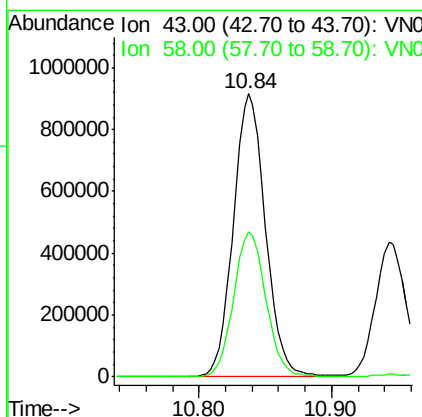
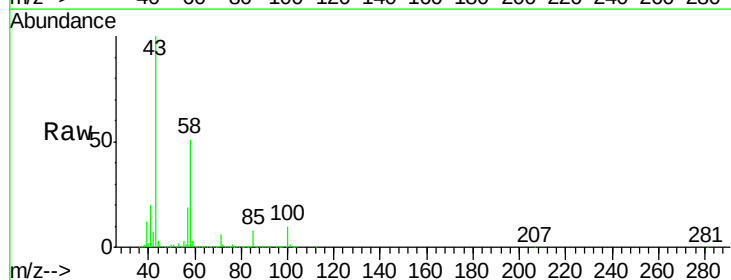
Manual Integrations
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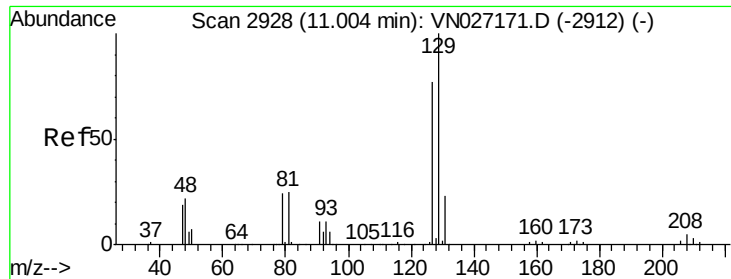
MMDadoda
 9/16/2015 11:48:20 AM



#60
 2-Hexanone
 Concen: 215.46 ug/l
 RT: 10.84 min Scan# 2876
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion: 43 Resp: 1533480
 Ion Ratio Lower Upper
 43 100
 58 51.9 26.2 78.5





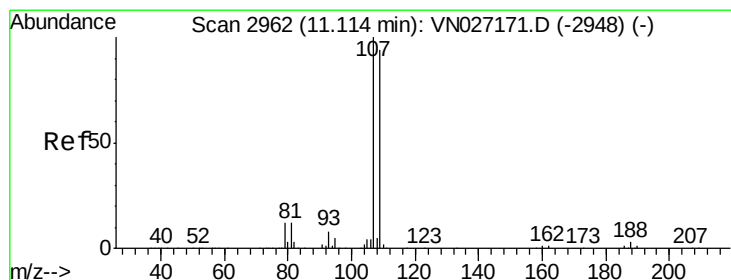
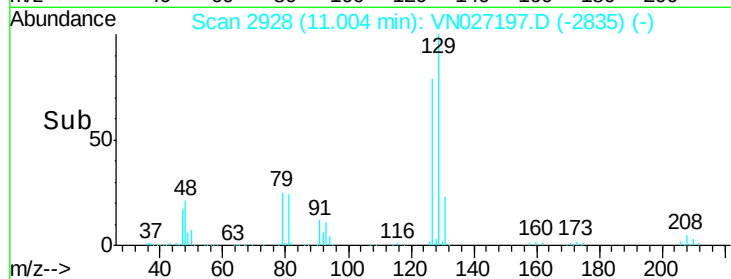
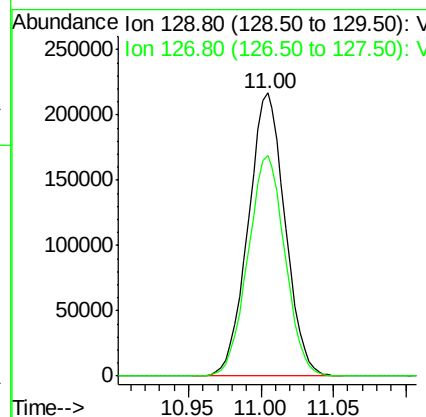
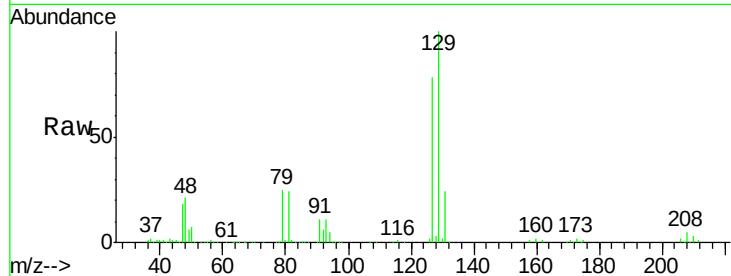
#61
Dibromochloromethane
Concen: 47.24 ug/l
RT: 11.00 min Scan# 2928
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.2

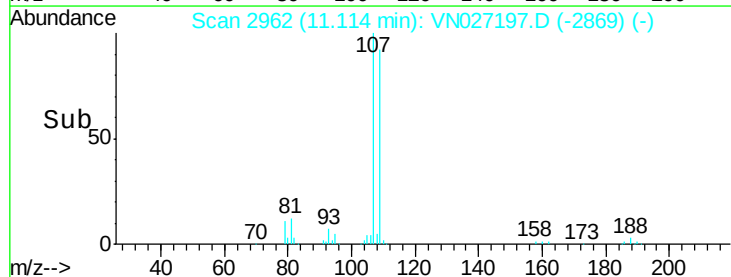
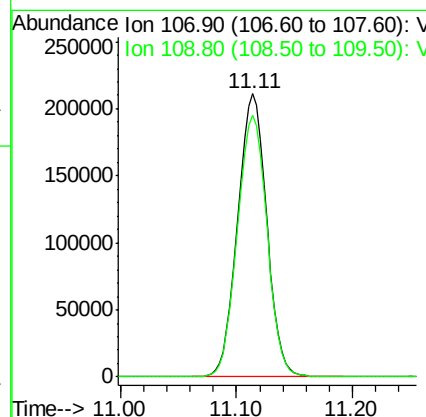
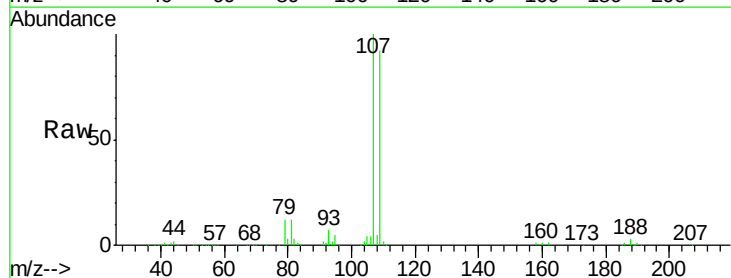
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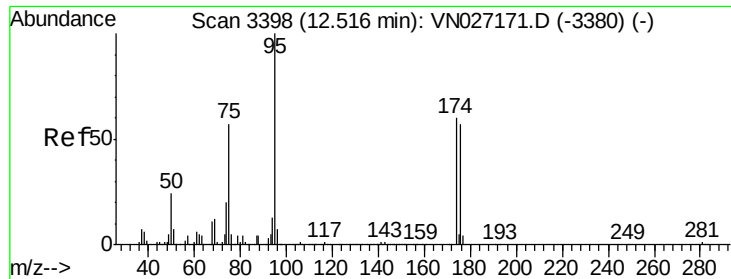
MMDadoda
9/16/2015 11:48:20 AM



#62
1,2-Dibromoethane
Concen: 46.80 ug/l
RT: 11.11 min Scan# 2962
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.6	113.4





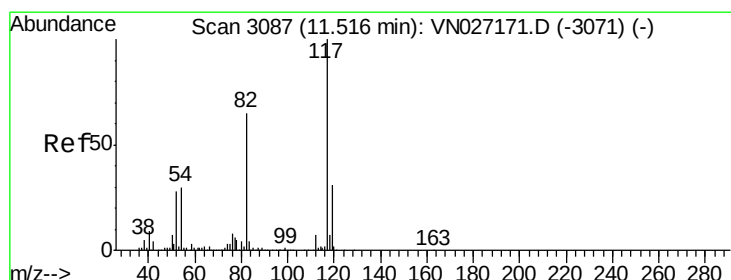
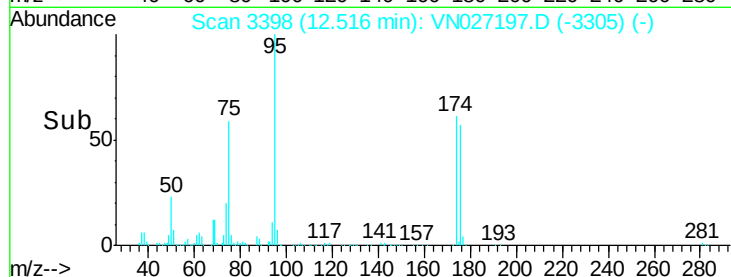
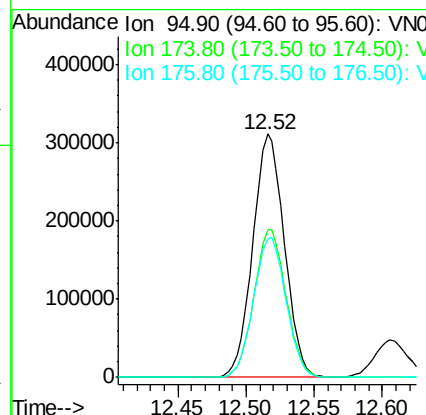
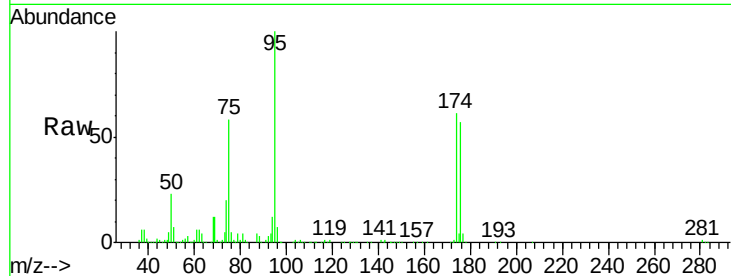
#63
4-Bromofluorobenzene
Concen: 49.22 ug/l
RT: 12.52 min Scan# 3398
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
95	100	501208		
174	61.7	0.0	137.0	
176	58.9	0.0	130.8	

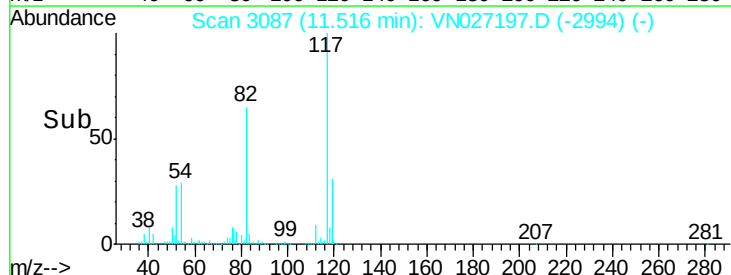
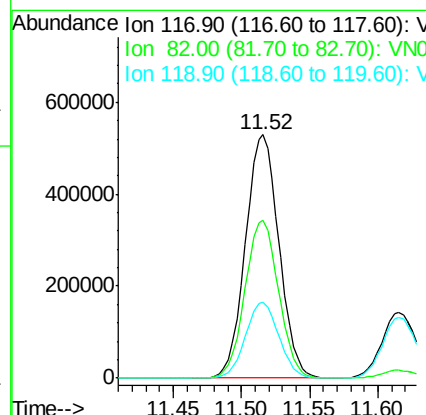
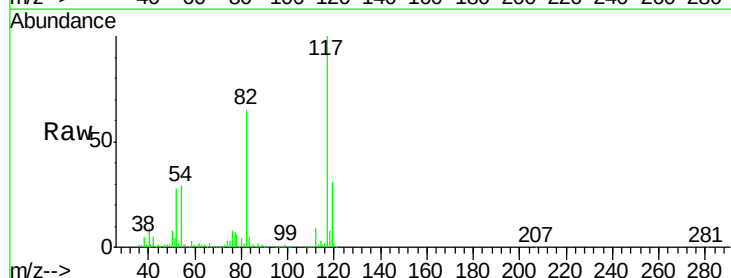
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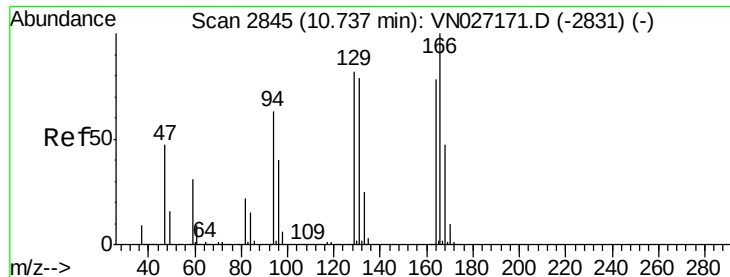
MMDadoda
9/16/2015 11:48:20 AM



#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	902348		
82	64.6	49.6	74.4	
119	31.0	24.6	36.8	





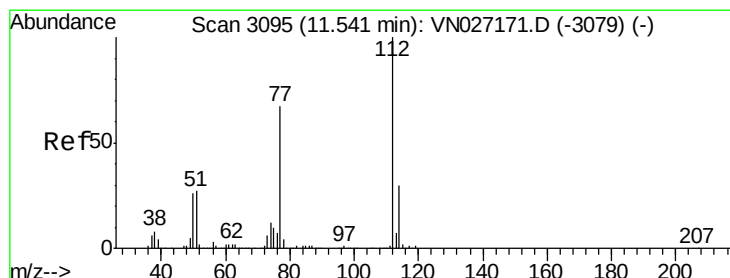
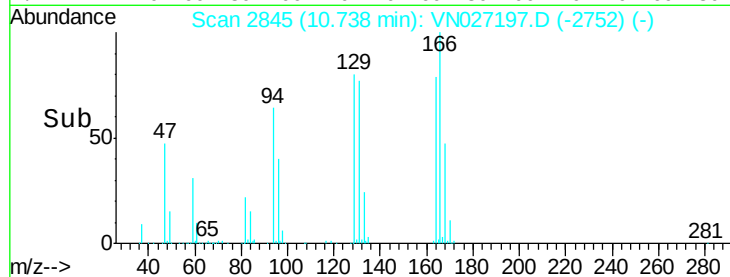
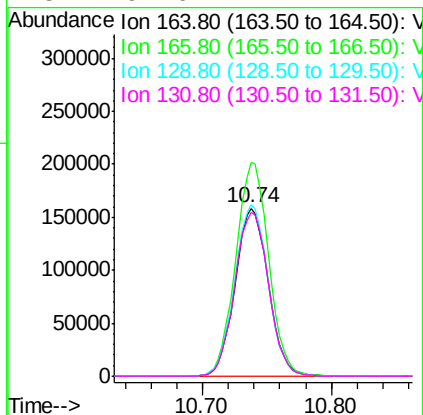
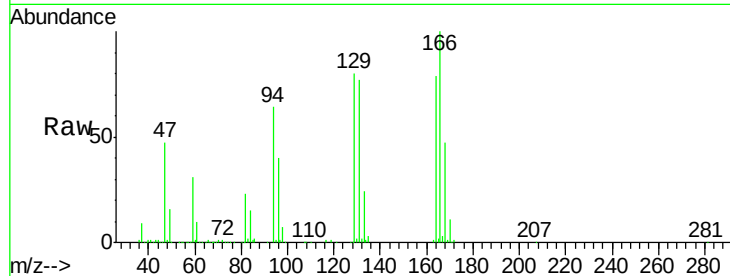
#65
Tetrachloroethene
Concen: 49.29 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
164	100		
166	127.1	103.4	155.0
129	102.0	77.5	116.3
131	97.6	74.2	111.4

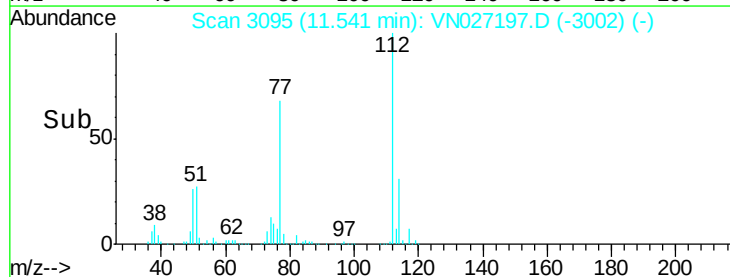
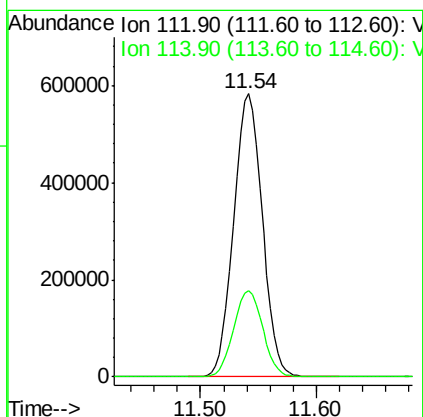
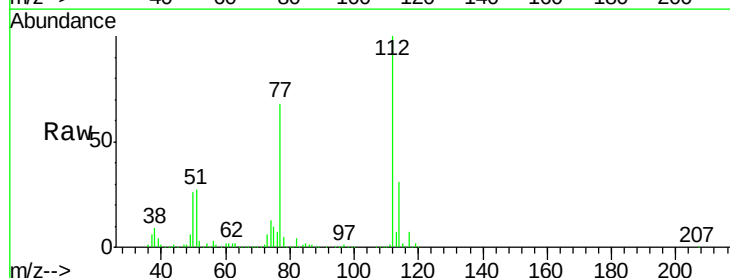
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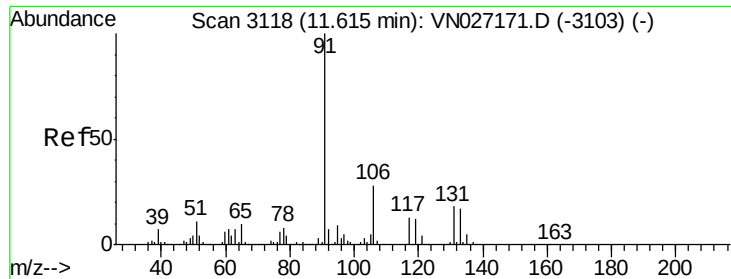
MMDadoda
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#66
Chlorobenzene
Concen: 46.72 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.6	24.9	37.3





#67

1,1,1,2-Tetrachloroethane

Concen: 47.97 ug/l

RT: 11.62 min Scan# 3118

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

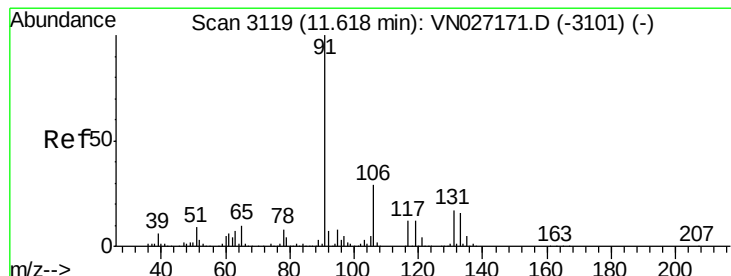
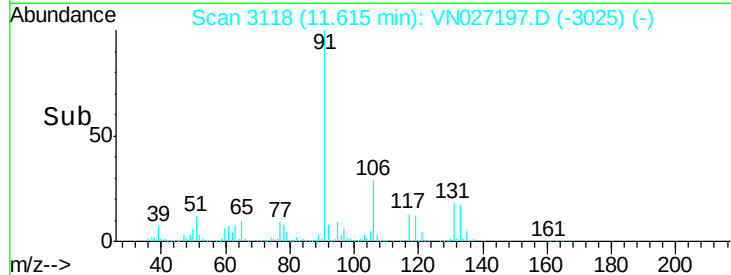
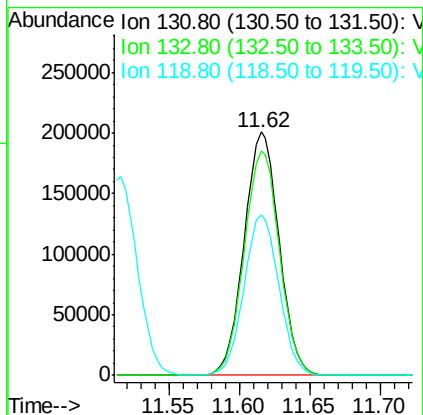
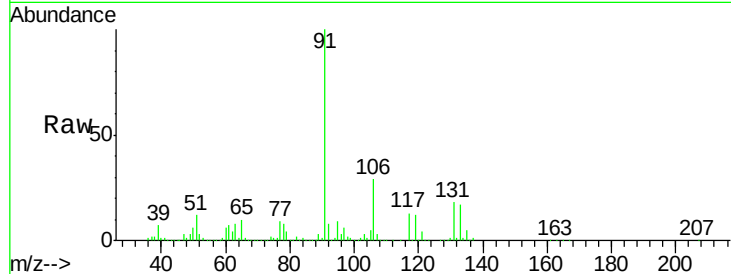
ClientSampled :

VSTDCCC050EC

Tot Ion:	131	Resp:	348600
Ion Ratio	Lower	Upper	
131	100		
133	93.5	47.0	141.2
119	66.0	35.1	105.5

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#68

Ethyl Benzene

Concen: 46.75 ug/l

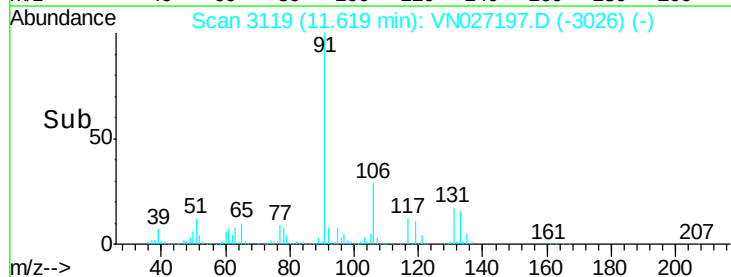
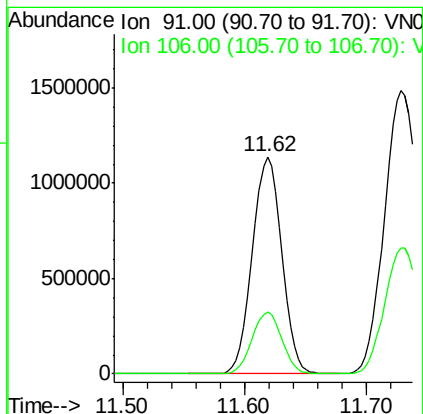
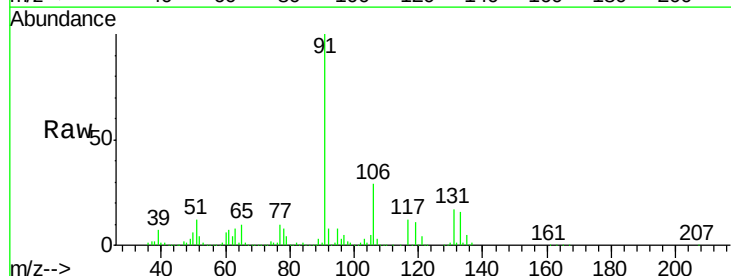
RT: 11.62 min Scan# 3119

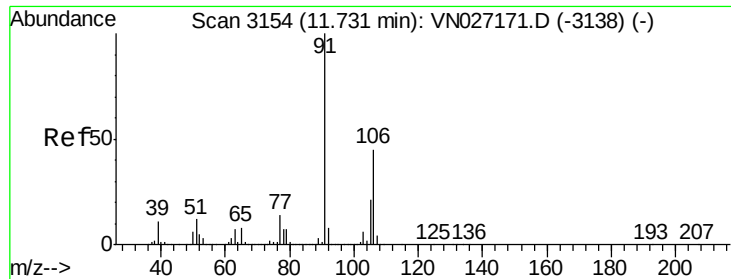
Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Tgt Ion:	91	Resp:	1888506
Ion Ratio	Lower	Upper	
91	100		
106	28.6	23.1	34.7





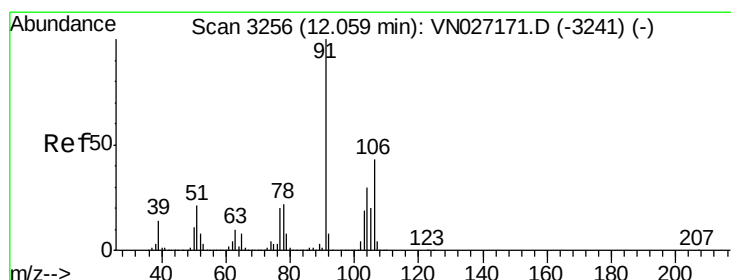
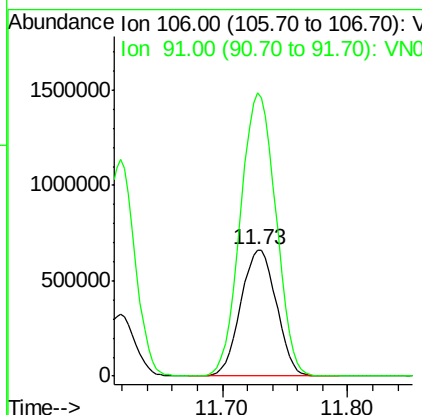
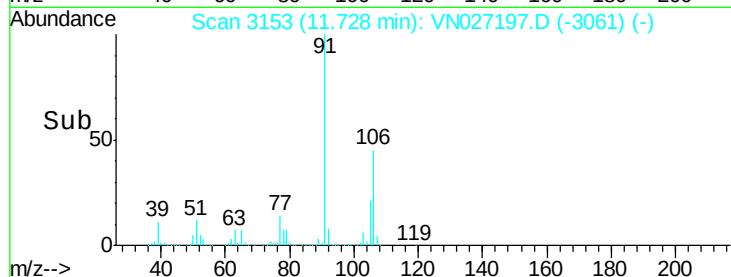
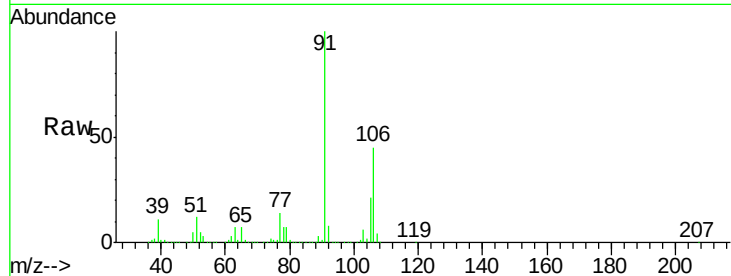
#69
m/p-Xylenes
Concen: 93.91 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 1308819
Ion Ratio Lower Upper
106 100
91 222.8 167.1 250.7

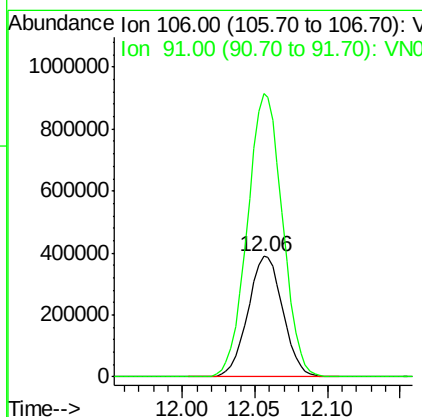
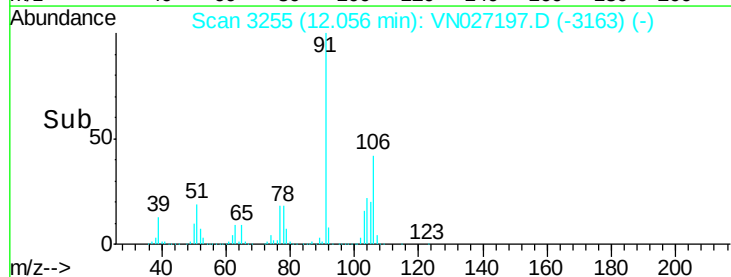
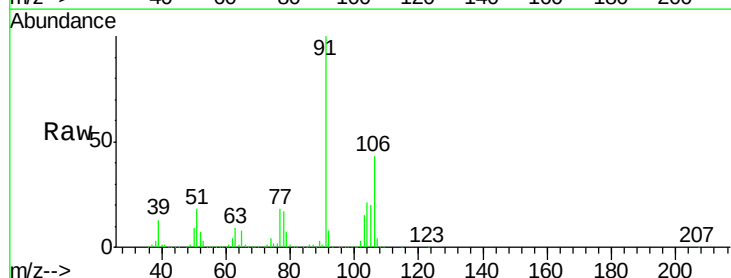
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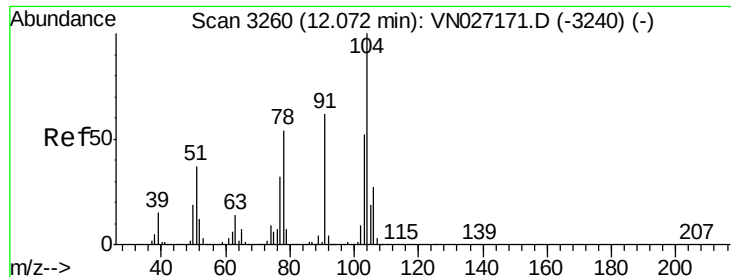
MMDadoda
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#70
o-Xylene
Concen: 46.71 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion:106 Resp: 652584
Ion Ratio Lower Upper
106 100
91 235.4 110.7 331.9





#71

Stvrene

Concen: 47.74 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:104 Resp: 1076839

Ion Ratio Lower Upper

104 100

78 59.3 41.6 62.4

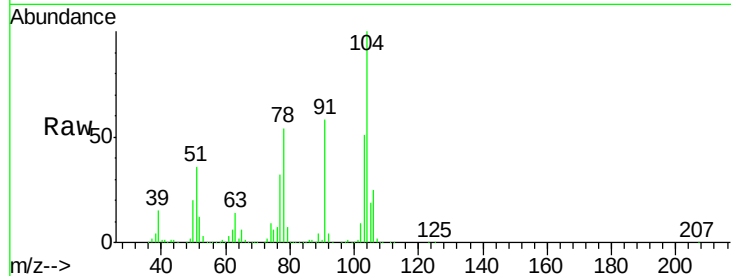
103 56.0 44.2 66.2

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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

12.07

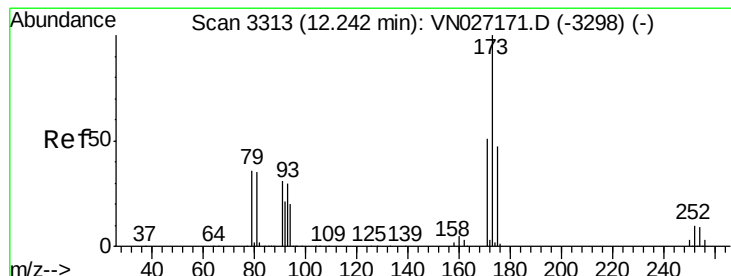
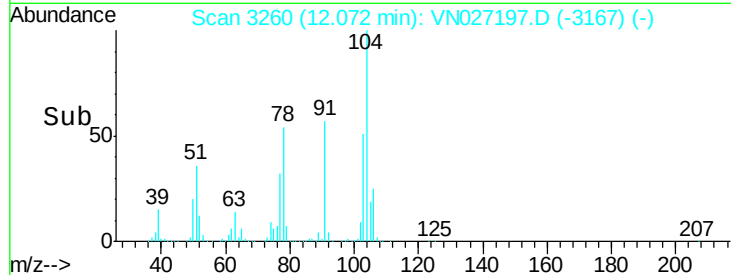
600000

400000

200000

0

Time-->



#72

Bromoform

Concen: 46.28 ug/l

RT: 12.24 min Scan# 3312

Delta R.T. -0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

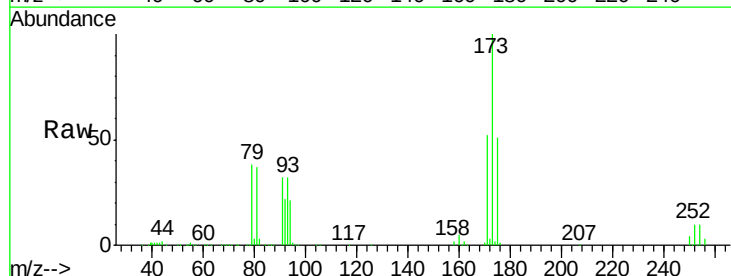
Tgt Ion:173 Resp: 233852

Ion Ratio Lower Upper

173 100

175 49.0 24.4 73.4

254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V

12.24

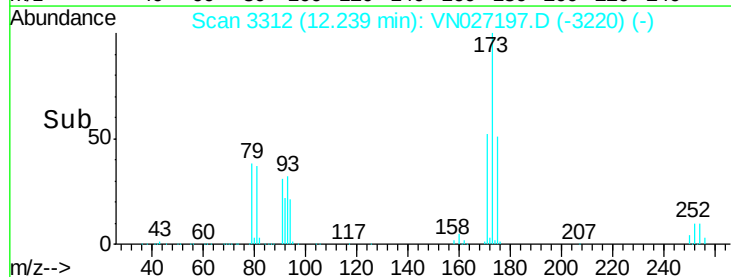
150000

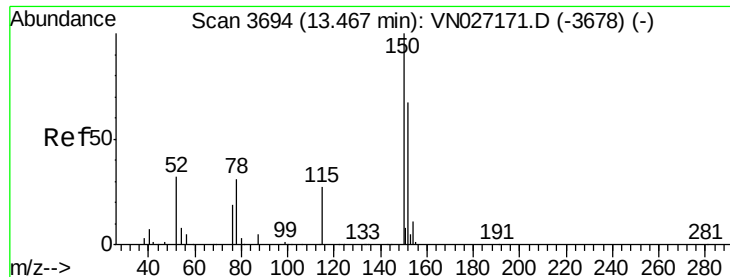
100000

50000

0

Time-->





#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:152 Resp: 344777

Ion Ratio Lower Upper

152 100

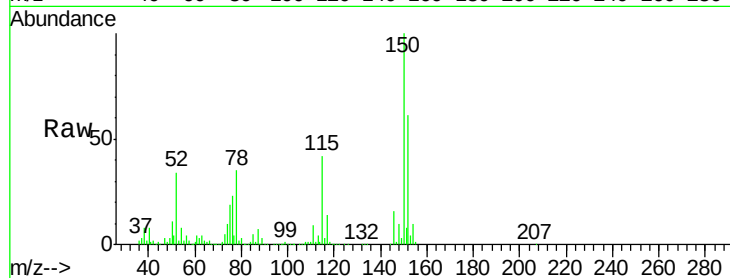
115 67.5 30.8 92.3

150 177.5 0.0 345.0

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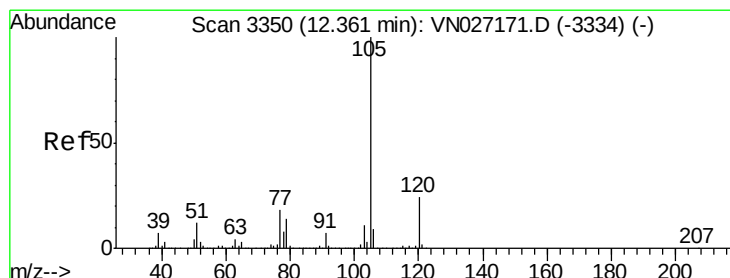
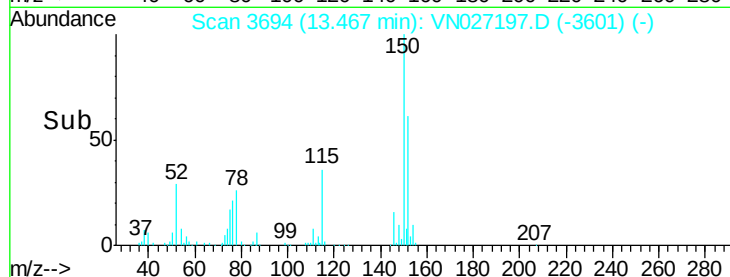
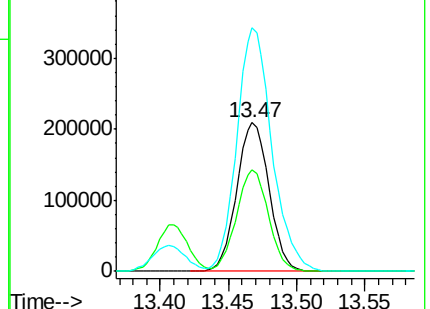
9/16/2015 11:48:20 AM



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: 46.30 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027197.D

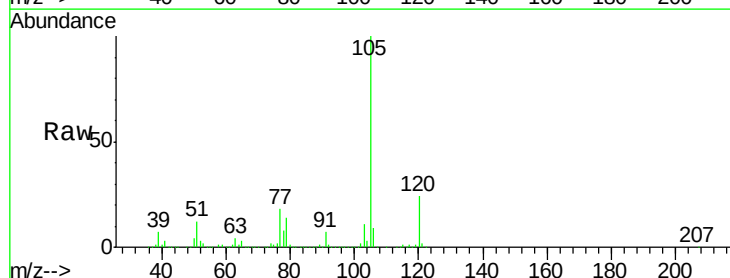
Acq: 16 Sep 2015 7:38

Tgt Ion:105 Resp: 1758917

Ion Ratio Lower Upper

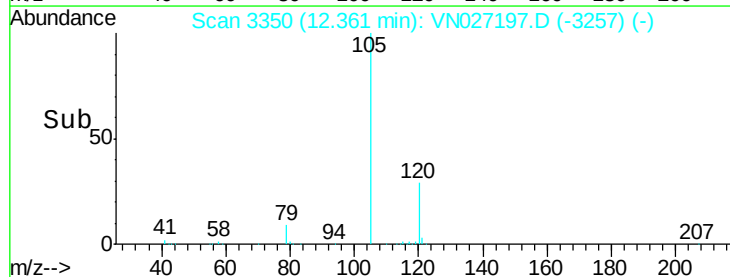
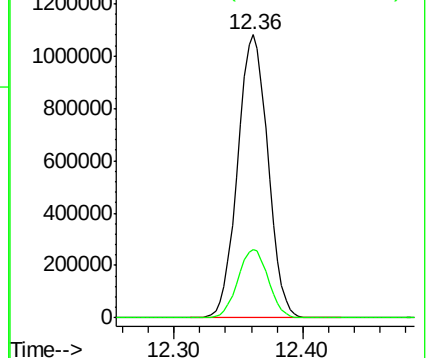
105 100

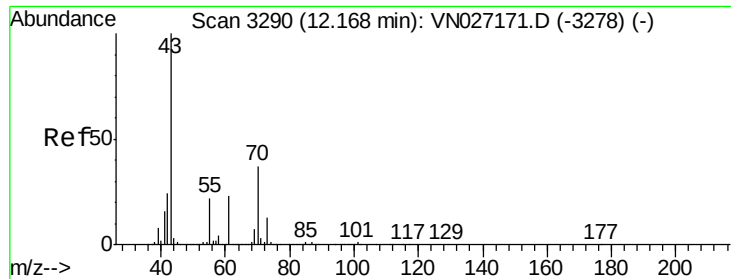
120 24.3 12.4 37.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#75

N-amvl acetate

Concen: 44.67 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

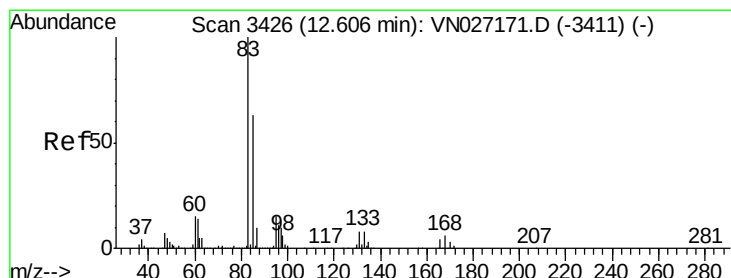
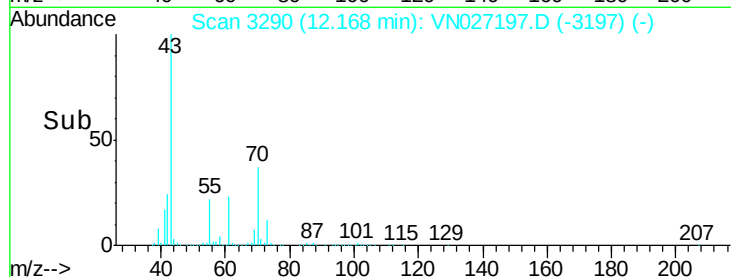
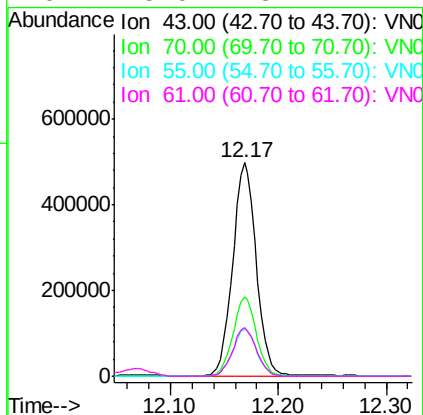
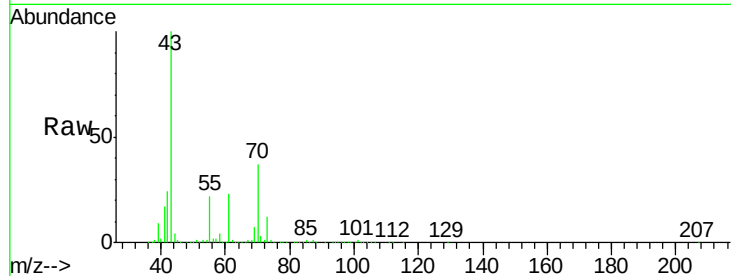
ClientSampleId :

VSTDCCC050EC

Tot Ion	43	Resp	757388
Ion Ratio	Lower	Upper	
43	100		
70	36.9	29.8	44.8
55	22.4	19.4	29.0
61	23.0	18.2	27.2

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#76

1,1,2,2-Tetrachloroethane

Concen: 50.29 ug/l

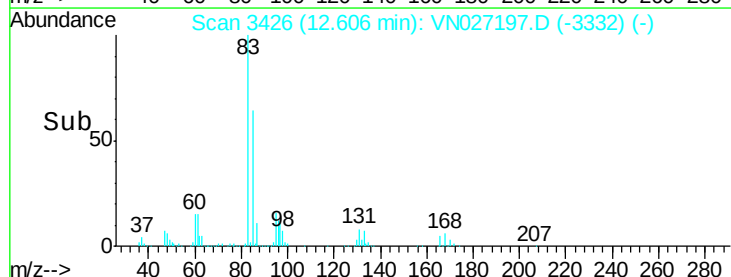
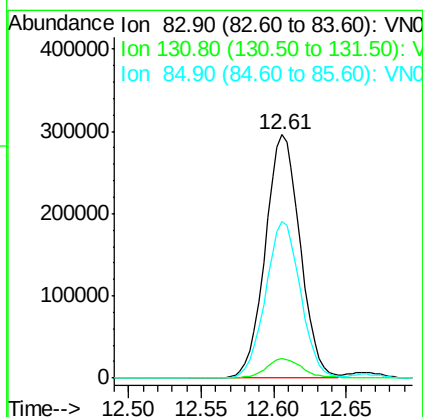
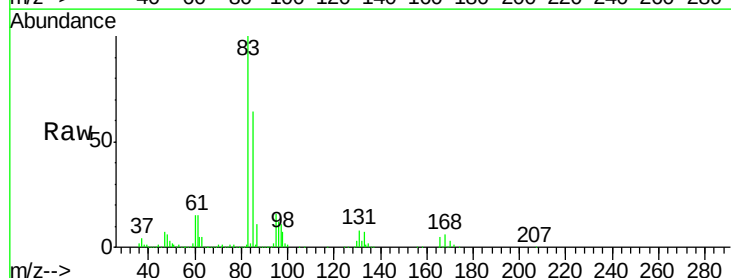
RT: 12.61 min Scan# 3426

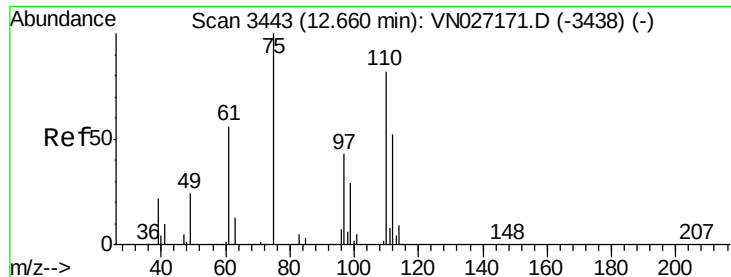
Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Tgt Ion	83	Resp	493064
Ion Ratio	Lower	Upper	
83	100		
131	8.5	4.1	12.3
85	64.6	31.9	95.7





#77

1,2,3-Trichloropropane

Concen: 44.15 ug/l m

RT: 12.66 min Scan# 3443

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 460035

Ion Ratio Lower Upper

75 100

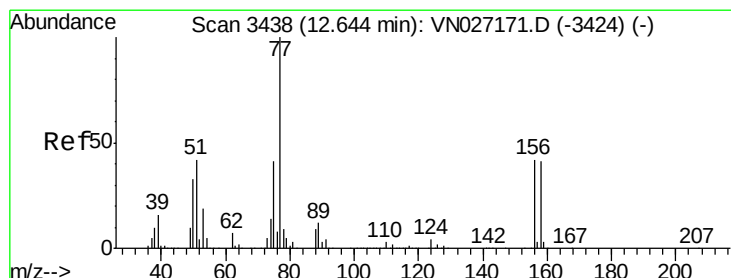
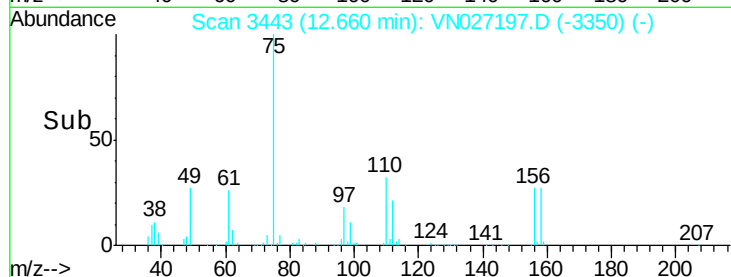
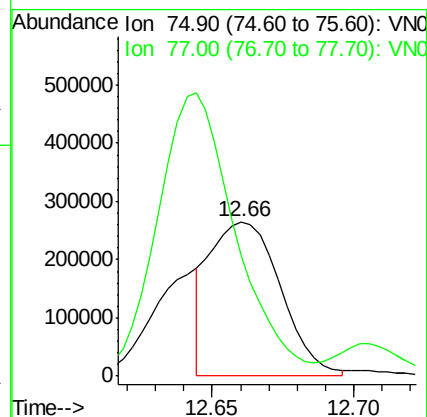
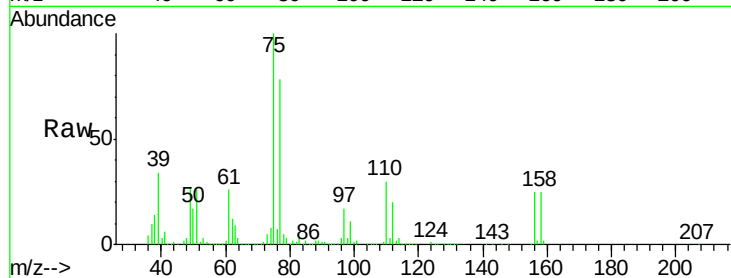
77 202.0 103.1 309.3

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#78

Bromobenzene

Concen: 46.31 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

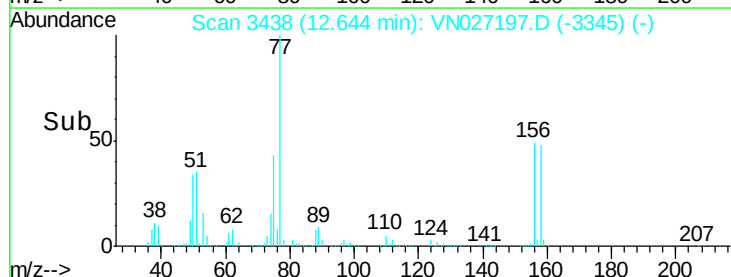
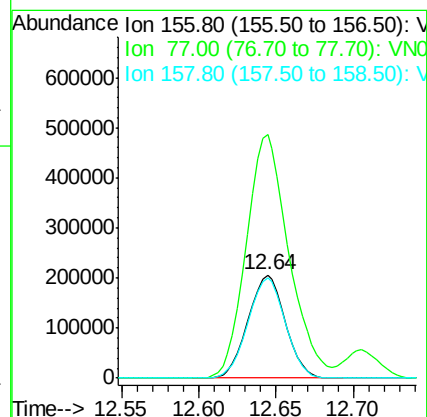
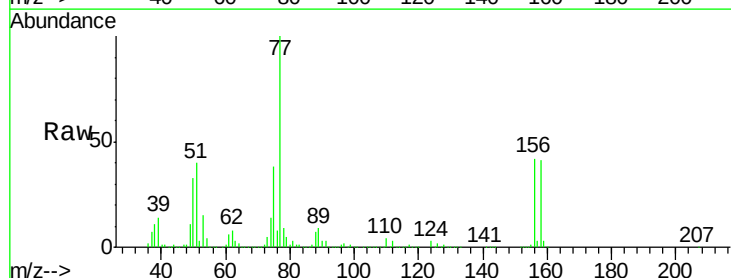
Tgt Ion: 156 Resp: 344999

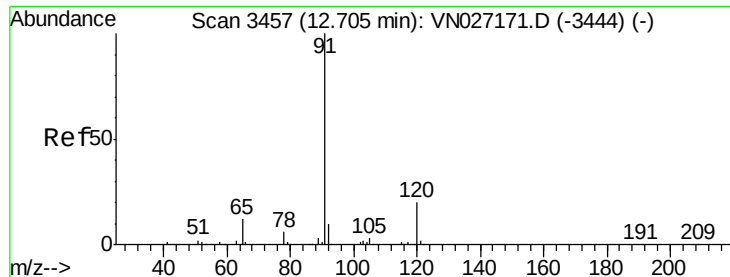
Ion Ratio Lower Upper

156 100

77 269.4 127.3 381.9

158 98.0 48.0 144.2





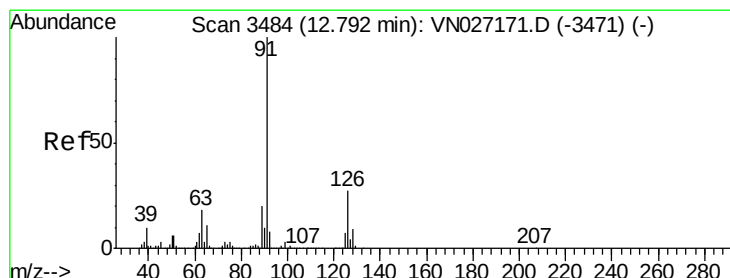
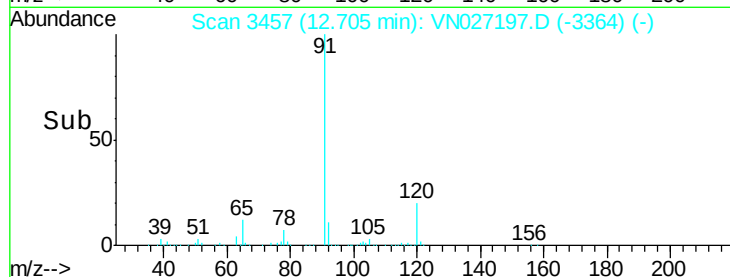
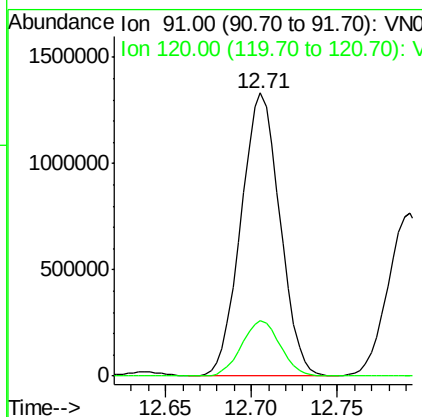
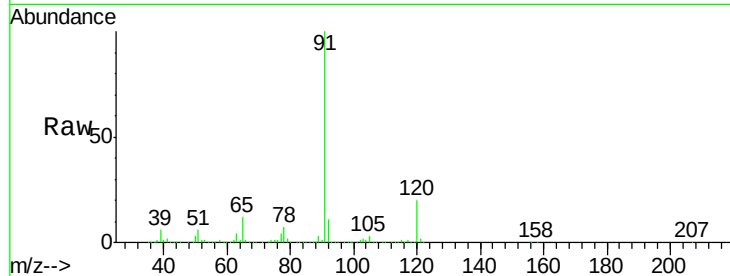
#79
n-propylbenzene
Concen: 46.62 ug/l
RT: 12.71 min Scan# 3457
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 2083909
Ion Ratio Lower Upper
91 100
120 19.5 10.3 30.8

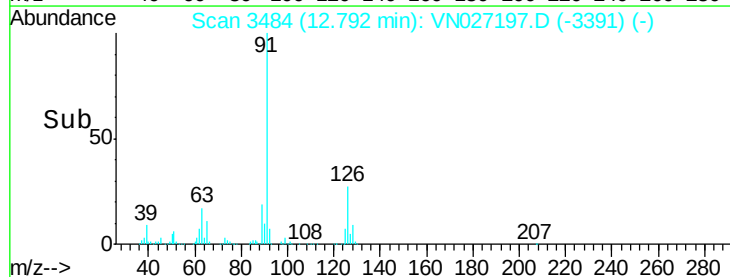
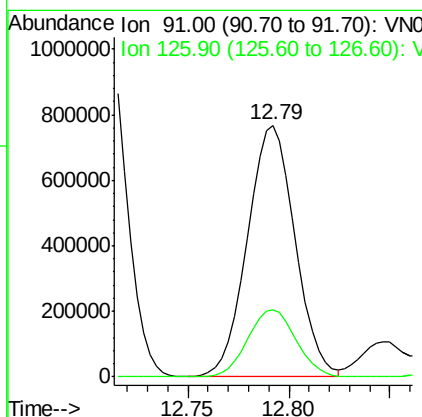
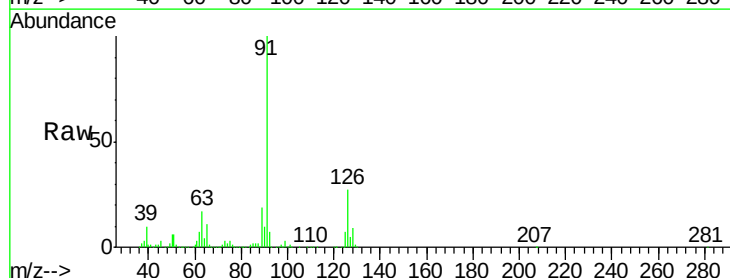
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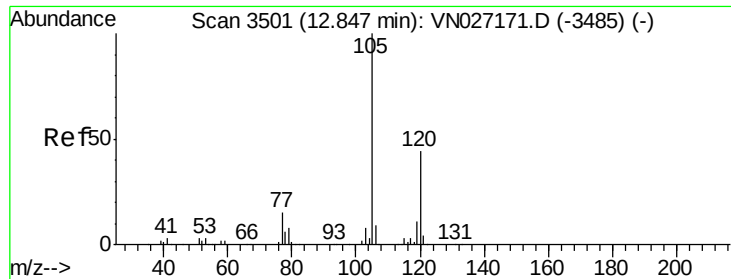
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#80
2-Chlorotoluene
Concen: 47.09 ug/l
RT: 12.79 min Scan# 3484
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion: 91 Resp: 1263889
Ion Ratio Lower Upper
91 100
126 27.4 15.2 45.5





#81

1,3,5-Trimethylbenzene

Concen: 46.39 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1415871

Ion Ratio Lower Upper

105 100

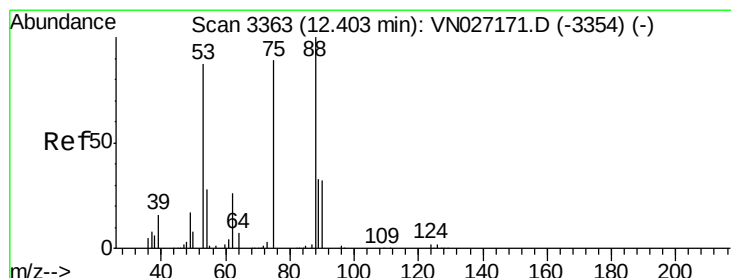
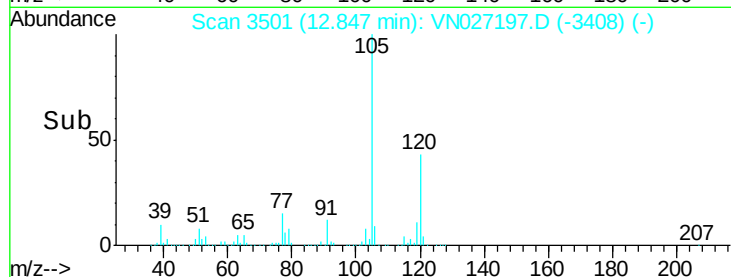
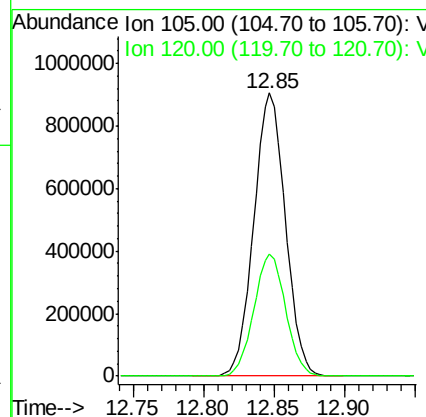
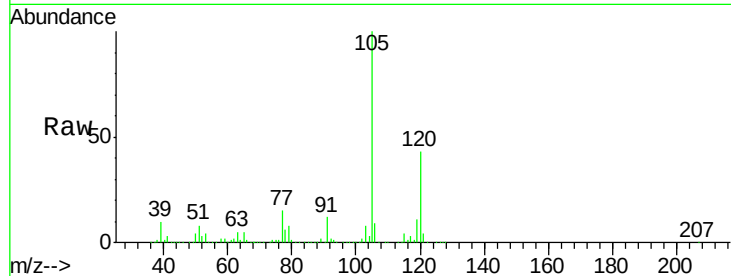
120 43.3 23.4 70.0

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#82

trans-1,4-Dichloro-2-butene

Concen: 38.36 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

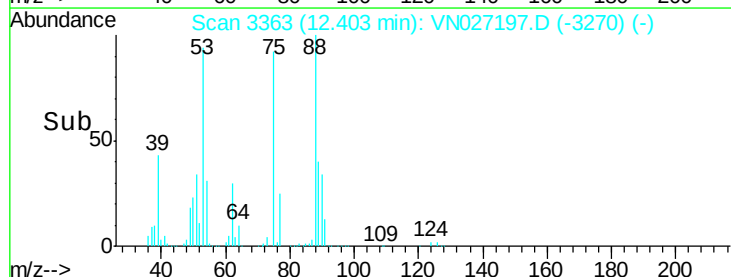
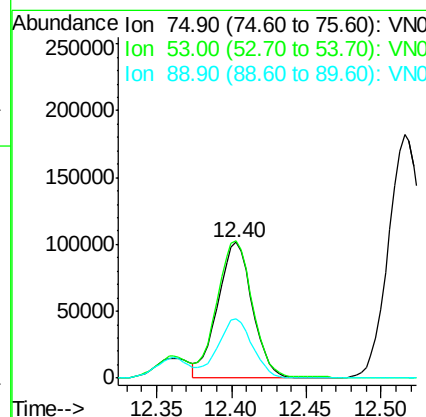
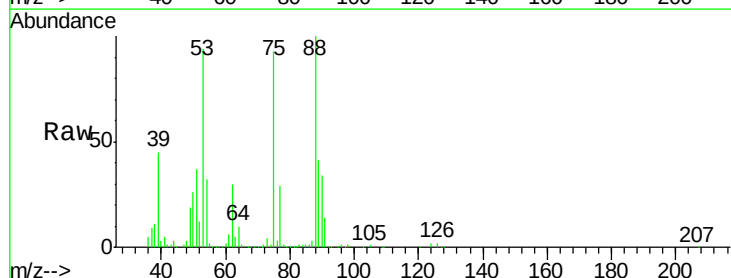
Tgt Ion: 75 Resp: 162724

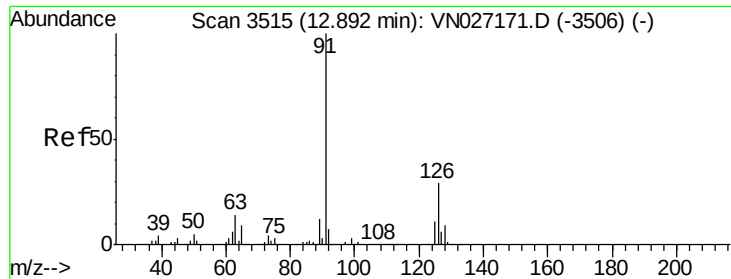
Ion Ratio Lower Upper

75 100

53 104.5 92.9 139.3

89 44.0 34.2 51.4





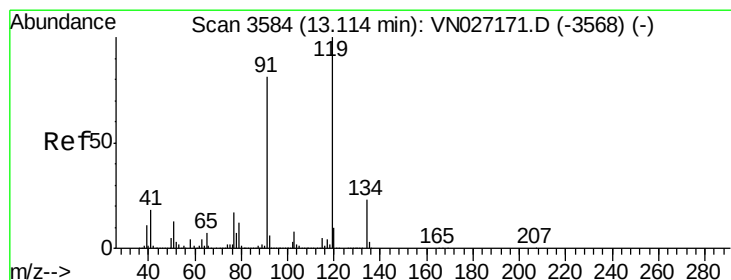
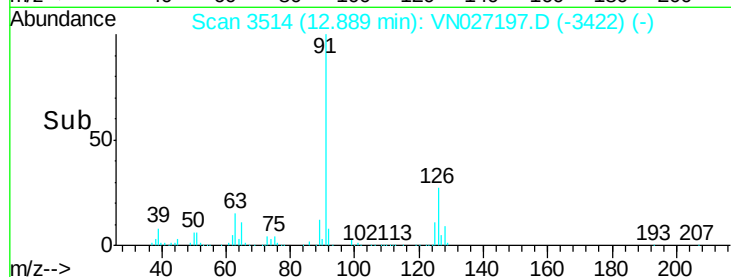
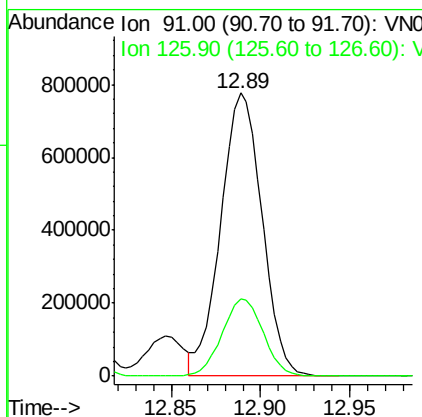
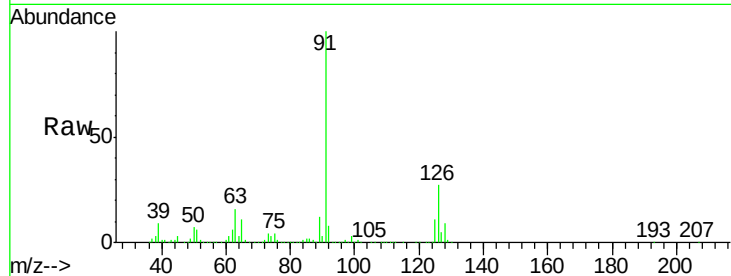
#83
4-Chlorotoluene
Concen: 47.23 ug/l
RT: 12.89 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 124535
Ion Ratio Lower Upper
91 100
126 27.3 14.9 44.5

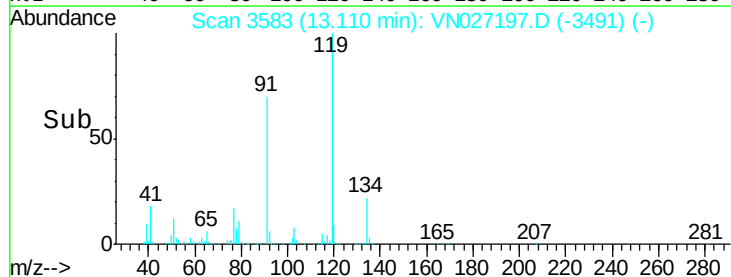
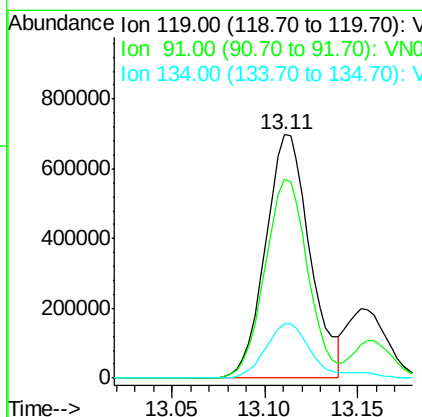
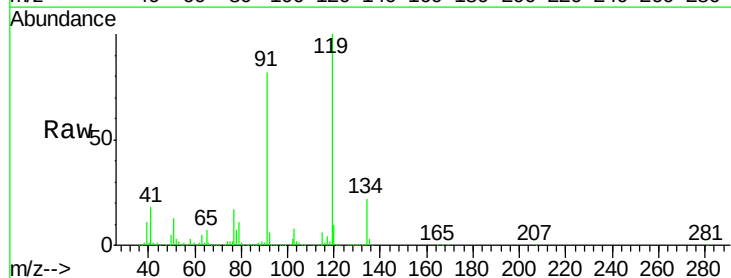
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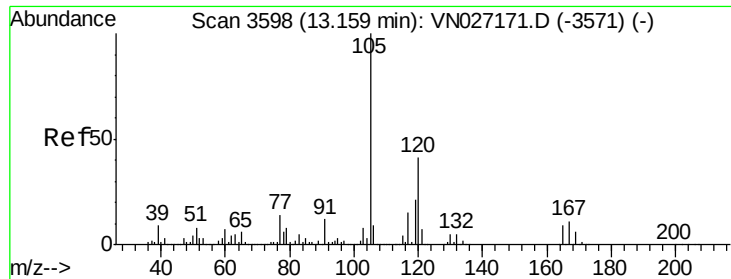
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#84
tert-Butylbenzene
Concen: 46.26 ug/l
RT: 13.11 min Scan# 3583
Delta R.T. -0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion: 119 Resp: 1165017
Ion Ratio Lower Upper
119 100
91 79.2 34.6 103.8
134 22.3 11.4 34.2





#85

1,2,4-Trimethylbenzene

Concen: 46.11 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1413463

Ion Ratio Lower Upper

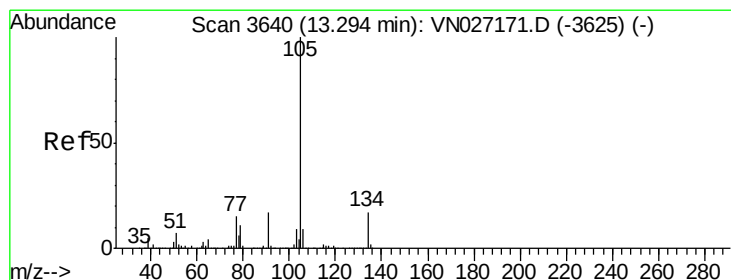
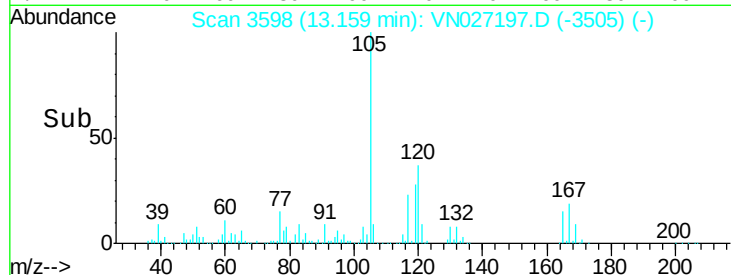
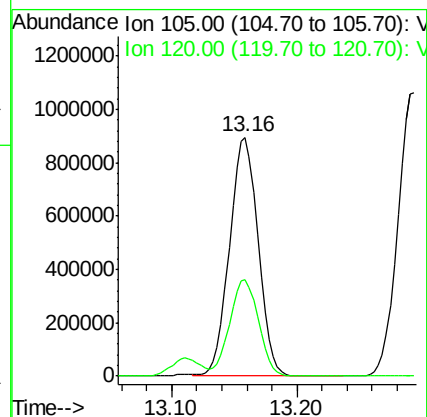
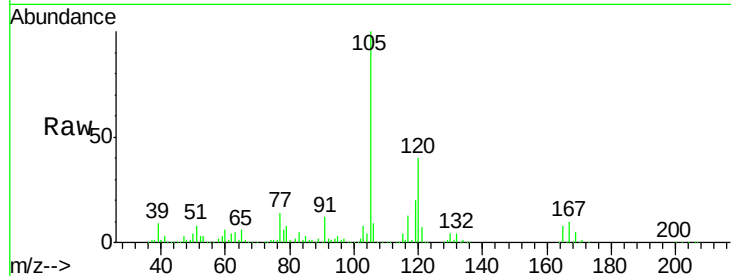
105 100

120 40.8 21.9 65.5

Manual Integrations
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#86

sec-Butylbenzene

Concen: 46.40 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN027197.D

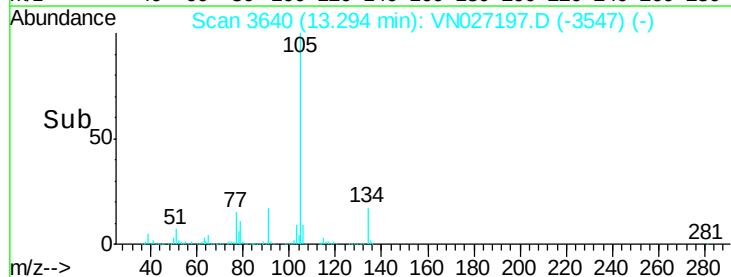
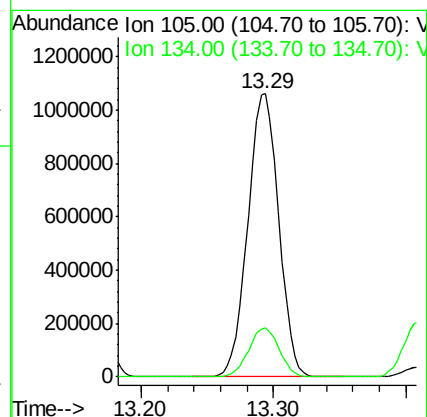
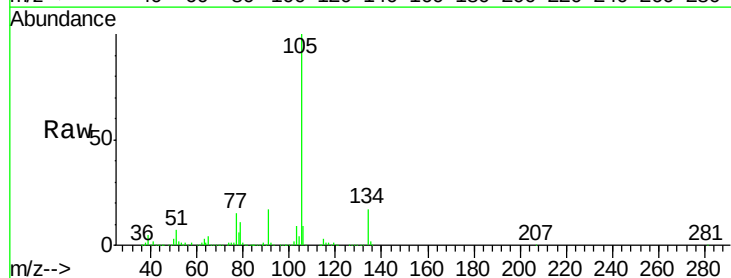
Acq: 16 Sep 2015 7:38

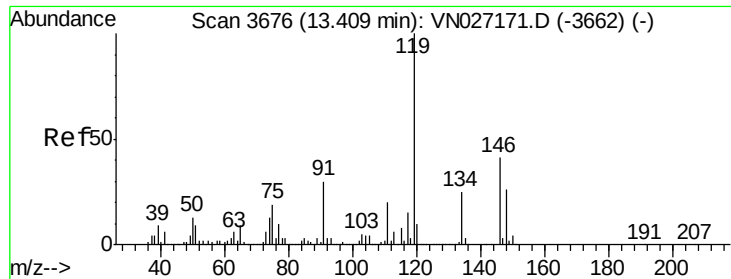
Tgt Ion:105 Resp: 1711737

Ion Ratio Lower Upper

105 100

134 17.3 8.8 26.4





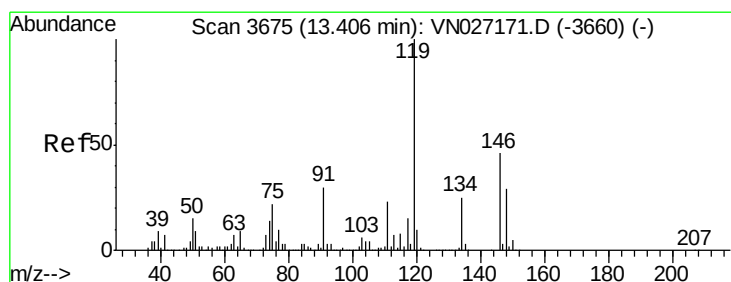
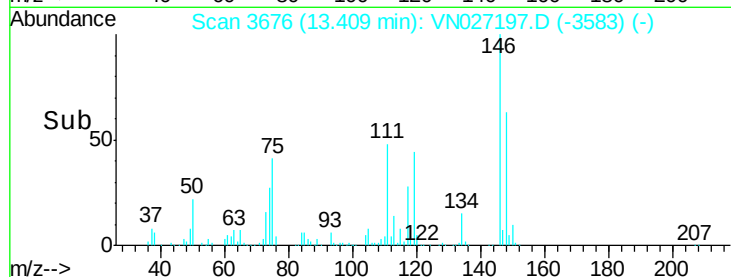
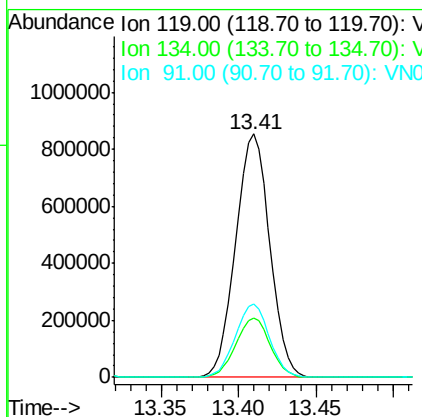
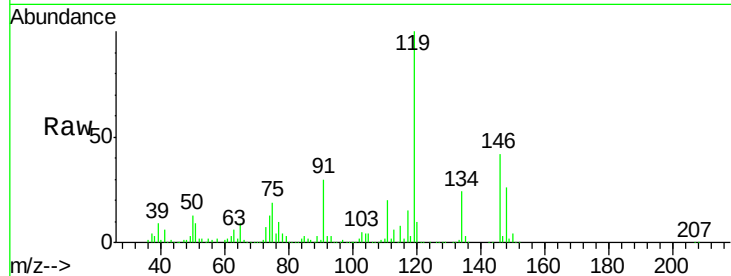
#87
 p-Isopropyltoluene
 Concen: 45.99 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.5	12.4	37.0
91	29.9	12.0	36.1

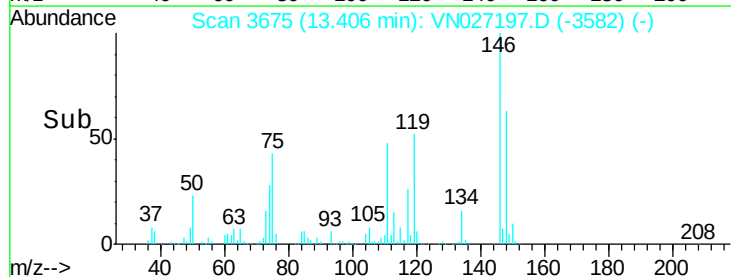
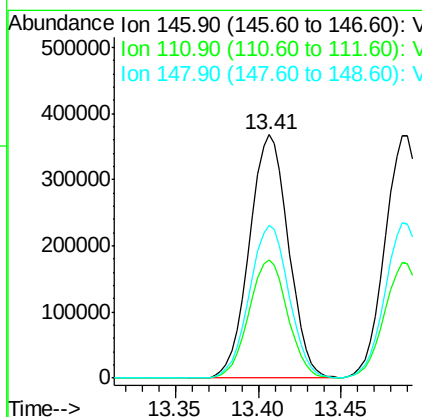
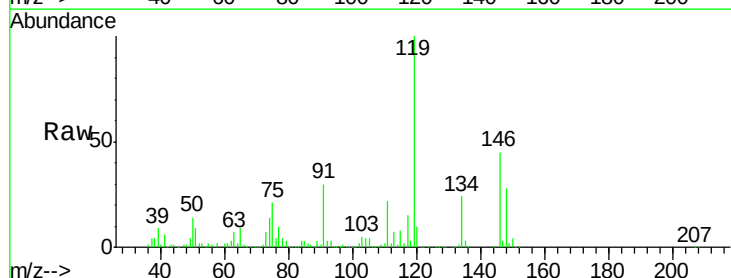
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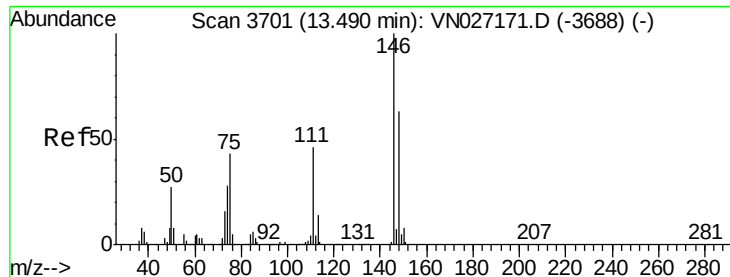
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#88
 1,3-Dichlorobenzene
 Concen: 47.25 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.2	21.0	63.0
148	63.4	31.9	95.9





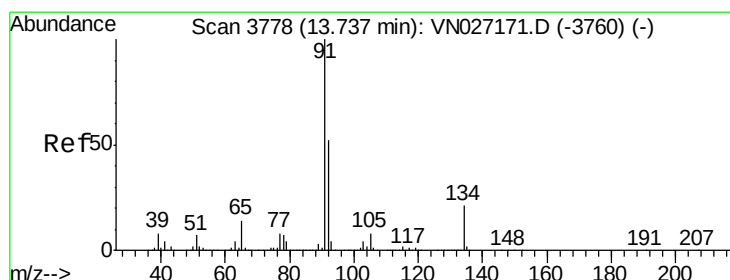
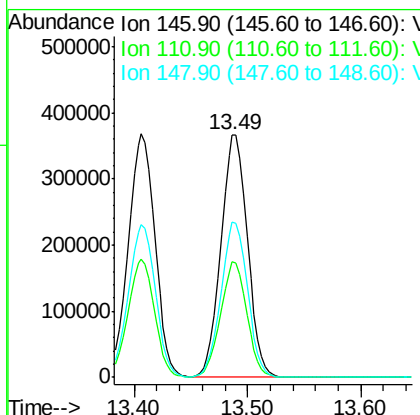
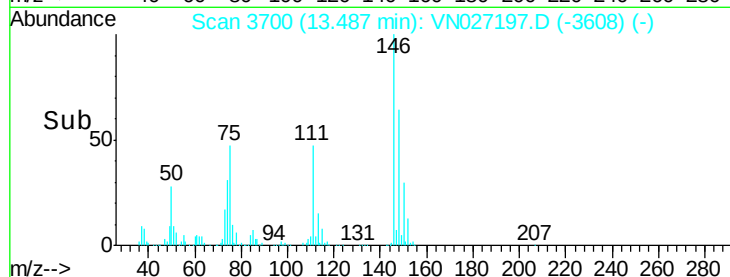
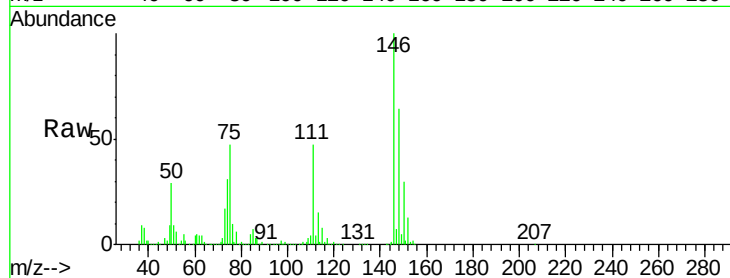
#89
 1,4-Dichlorobenzene
 Concen: 46.33 ug/l
 RT: 13.49 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.1	19.9	59.6
148	64.2	31.7	95.1

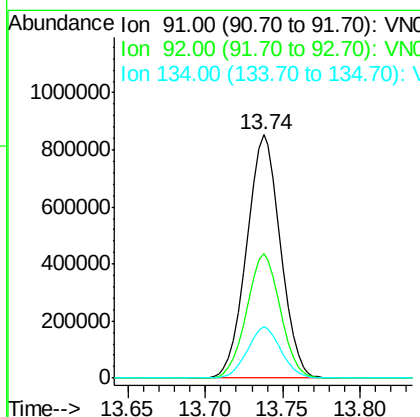
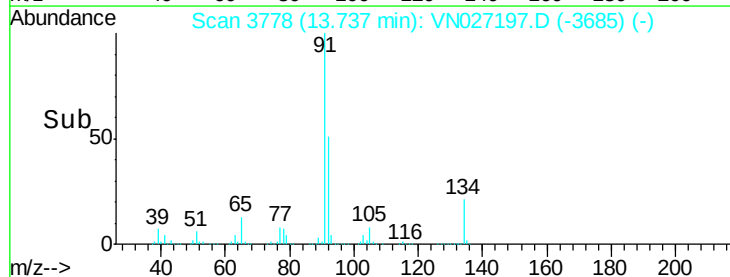
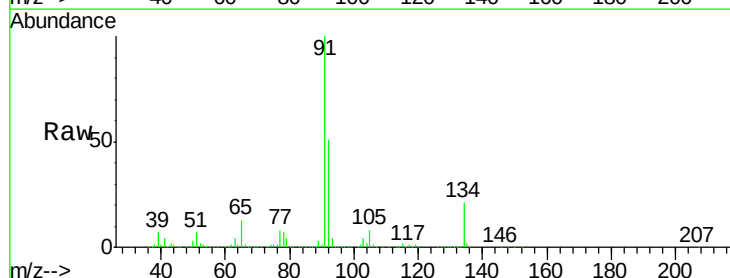
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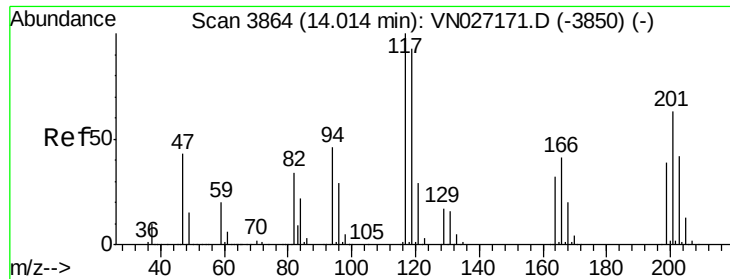
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#90
 n-Butylbenzene
 Concen: 46.90 ug/l
 RT: 13.74 min Scan# 3778
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.1	78.2
134	21.0	11.1	33.1





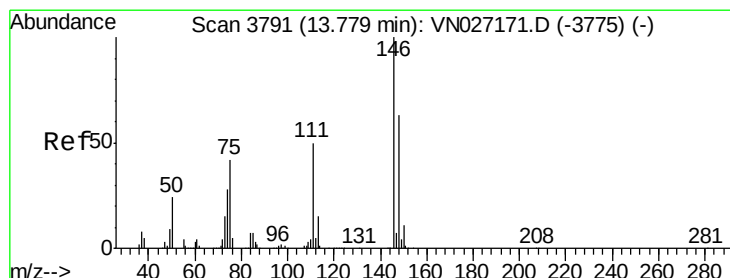
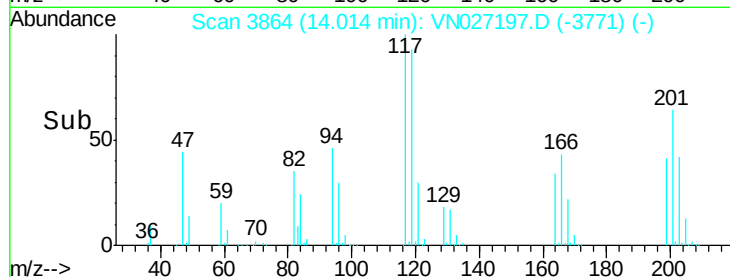
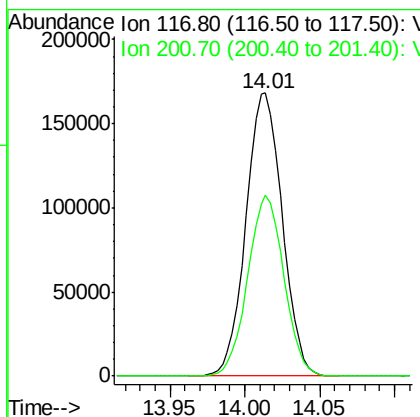
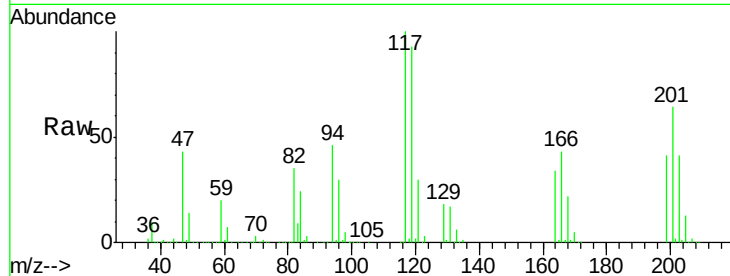
#91
Hexachloroethane
Concen: 45.84 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 285079
Ion Ratio Lower Upper
117 100
201 63.3 34.9 104.7

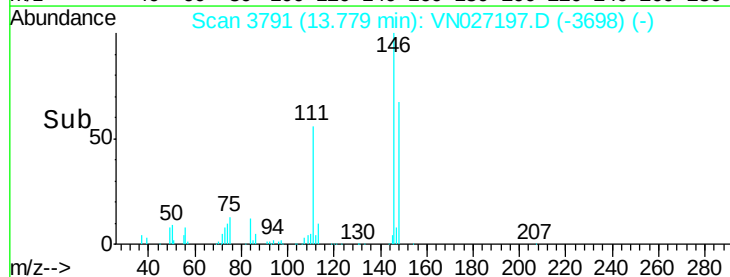
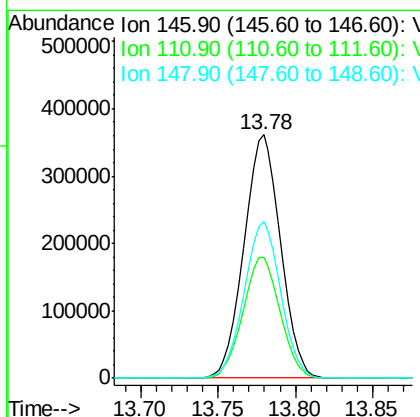
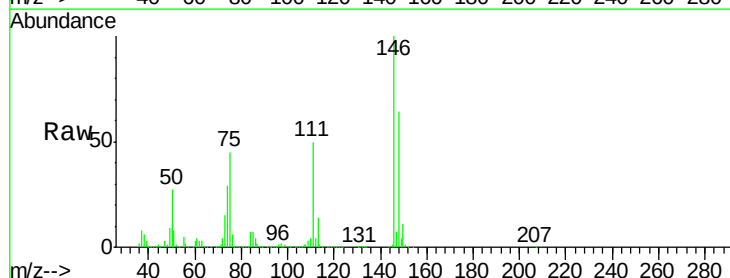
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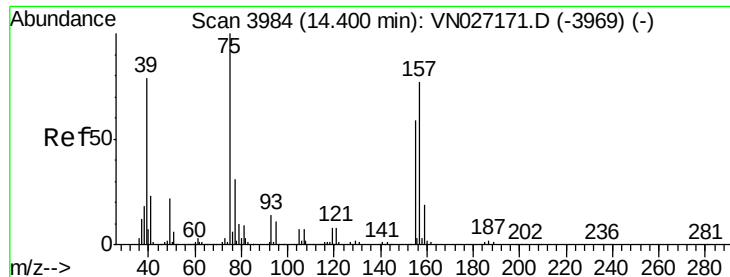
MMDadoda
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#92
1,2-Dichlorobenzene
Concen: 47.17 ug/l
RT: 13.78 min Scan# 3791
Delta R.T. 0.00 min
Lab File: VN027197.D
Acq: 16 Sep 2015 7:38

Tgt Ion:146 Resp: 594261
Ion Ratio Lower Upper
146 100
111 50.4 22.1 66.3
148 64.4 32.0 96.0





#93

1,2-Dibromo-3-Chloropropane

Concen: 46.56 ug/l

RT: 14.40 min Scan# 3983

Delta R.T. -0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

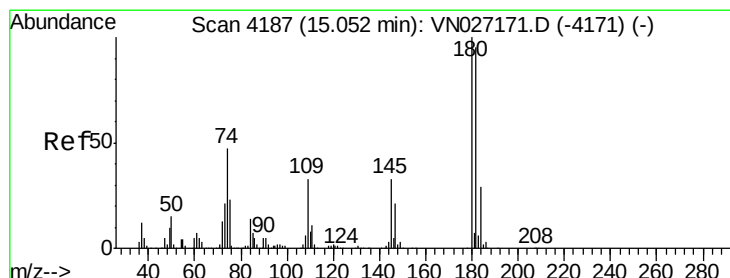
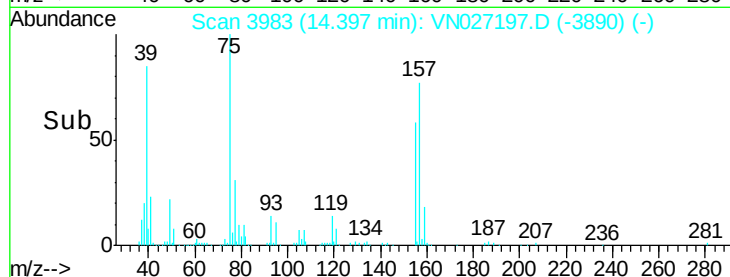
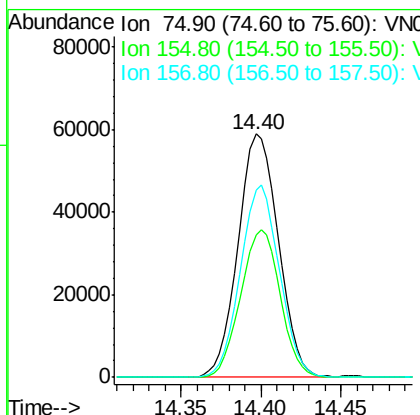
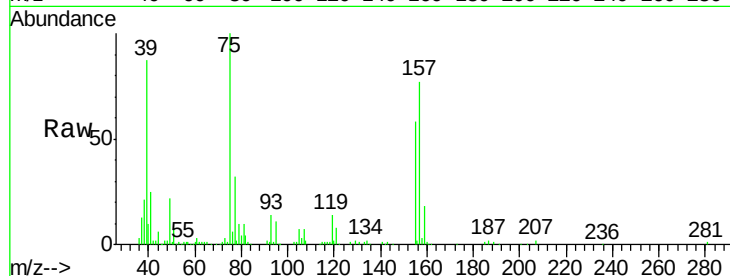
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	101230
Ion Ratio	Lower	Upper	
75	100		
155	59.4	35.6	106.9
157	76.5	44.6	133.8

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#94

1,2,4-Trichlorobenzene

Concen: 48.22 ug/l

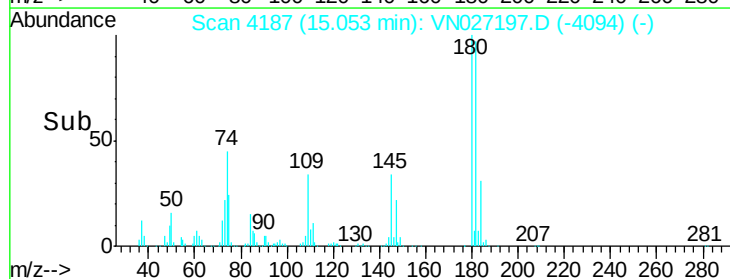
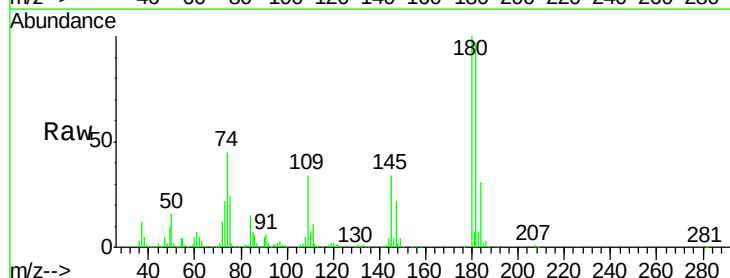
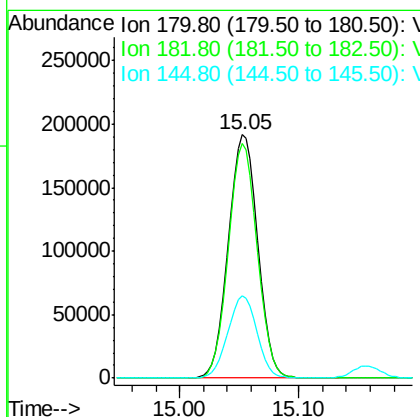
RT: 15.05 min Scan# 4187

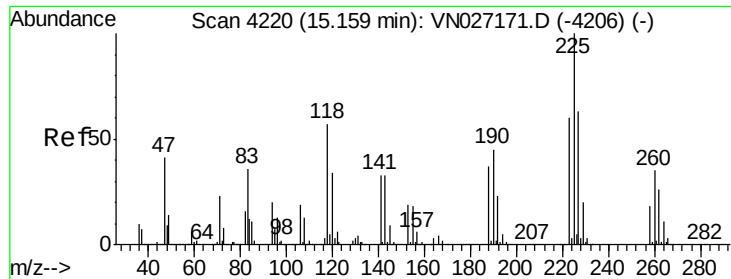
Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Tgt Ion:	180	Resp:	328223
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.5	142.5
145	33.6	15.1	45.3





#95

Hexachlorobutadiene

Concen: 44.41 ug/l

RT: 15.16 min Scan# 4220

Delta R.T. 0.00 min

Lab File: VN027197.D

Acq: 16 Sep 2015 7:38

Instrument :

MSVOA_N

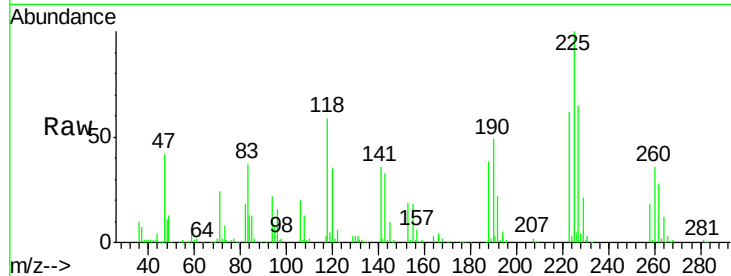
ClientSampleId :

VSTDCCC050EC

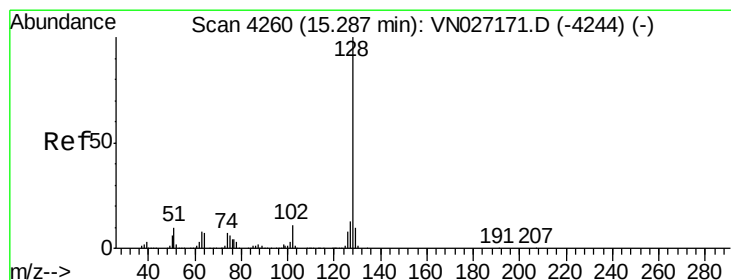
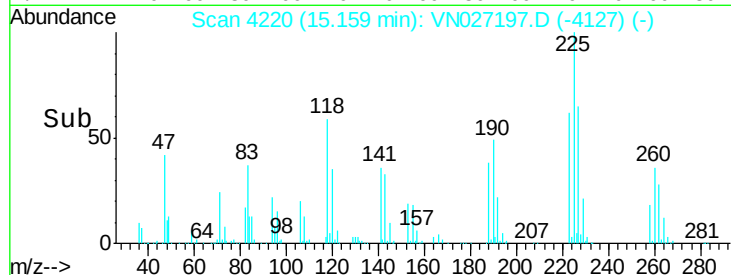
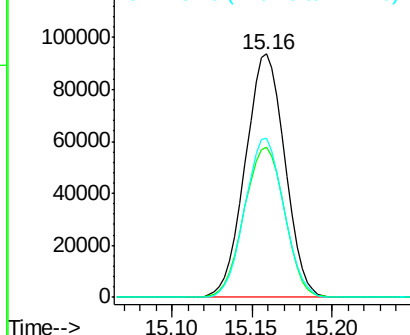
Tot Ion:	225	Resp:	159187
Ion Ratio		Lower	Upper
225	100		
223	62.9	30.8	92.3
227	64.4	31.7	95.1

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



#96

Naphthalene

Concen: 47.90 ug/l

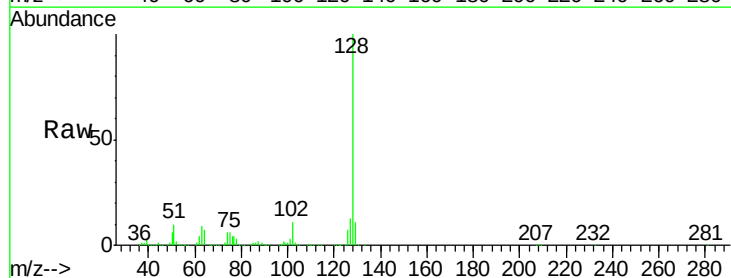
RT: 15.29 min Scan# 4260

Delta R.T. 0.00 min

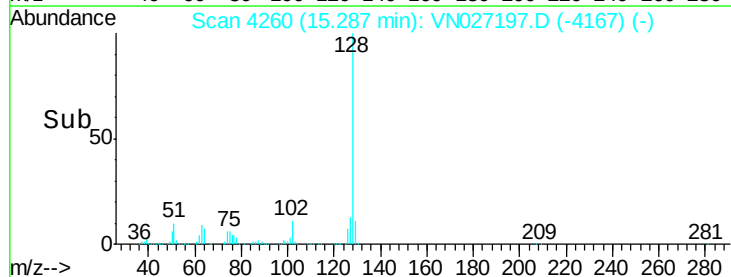
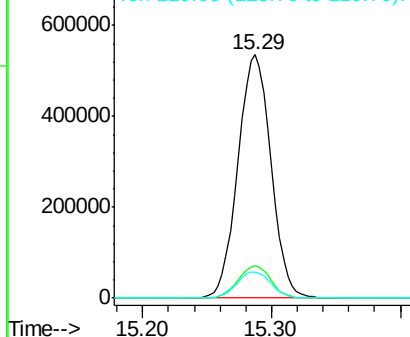
Lab File: VN027197.D

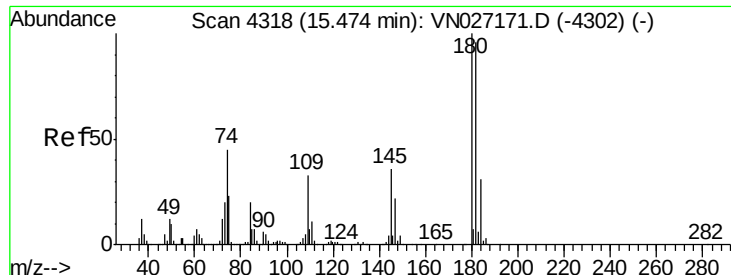
Acq: 16 Sep 2015 7:38

Tgt Ion:	128	Resp:	955815
Ion Ratio		Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.0	8.6	12.8



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





#97
 1,2,3-Trichlorobenzene
 Concen: 48.64 ug/l
 RT: 15.47 min Scan# 4318
 Delta R.T. 0.00 min
 Lab File: VN027197.D
 Acq: 16 Sep 2015 7:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	96.7	48.8	146.4
145	36.0	16.6	49.8

Manual Integrations
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 9/16/2015 11:48:20 AM

