

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027196.D
 Acq On : 16 Sep 2015 7:11
 Operator : MD\FY
 Sample : G3629-11MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:48:13 AM

Quant Time: Sep 16 07:33:28 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	511569	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1060261	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	905256	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	339244	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	566926	54.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.18%	
36) Dibromofluoromethane	7.68	113	362839	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
51) Toluene-d8	10.19	98	1382285	48.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.08%	
63) 4-Bromofluorobenzene	12.52	95	481965	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	285190	46.59	ug/l	100
3) Chlorodifluoromethane	1.82	51	333451	47.08	ug/l	94
4) Chloromethane	2.01	50	341378	49.80	ug/l	99
5) Vinyl Chloride	2.14	62	365755	50.59	ug/l	98
6) Bromomethane	2.54	94	164609	46.50	ug/l	99
7) Chloroethane	2.69	64	244281	49.71	ug/l	99
8) Trichlorofluoromethane	3.02	101	540396	49.49	ug/l	97
9) Diethyl Ether	3.42	74	250975	49.95	ug/l	87
10) 1,1,2-Trichlorotrifluoroet	3.79	101	314709	45.88	ug/l	97
11) Methyl Iodide	3.99	142	341475	51.22	ug/l	92
12) Tert butyl alcohol	4.79	59	235425	229.69	ug/l	97
13) 1,1-Dichloroethene	3.77	96	327402	49.85	ug/l	95
14) Acrolein	3.62	56	75657	62.83	ug/l	100
15) Allyl chloride	4.37	41	496762	37.44	ug/l #	82
16) Acrylonitrile	5.02	53	846943	252.68	ug/l	98
17) Acetone	3.82	43	710546	251.43	ug/l	97
18) Carbon Disulfide	4.11	76	932533	43.60	ug/l	99
19) Methyl Acetate	4.36	43	547742	26.76	ug/l	97
20) Methyl tert-butyl Ether	5.11	73	1323699	50.20	ug/l	97
21) Methylene Chloride	4.60	84	401248	50.97	ug/l	96
22) trans-1,2-Dichloroethene	5.12	96	340363	47.91	ug/l	95
23) Diisopropyl ether	6.03	45	1382159	49.66	ug/l	92
24) Vinyl Acetate	5.97	43	827274	89.79	ug/l	99
25) 1,1-Dichloroethane	5.93	63	812898	50.27	ug/l	99
26) 2-Butanone	6.91	43	1031785	242.45	ug/l	97
27) 2,2-Dichloropropane	6.92	77	83297	5.94	ug/l #	68
28) cis-1,2-Dichloroethene	6.92	96	422899	51.90	ug/l	93
29) Bromochloromethane	7.29	49	357674	56.99	ug/l	95
30) Tetrahydrofuran	7.31	42	675694	230.38	ug/l	92
31) Chloroform	7.46	83	763751	52.27	ug/l	99
32) Cyclohexane	7.76	56	714728	49.64	ug/l	92
33) 1,1,1-Trichloroethane	7.67	97	694203	53.29	ug/l	96
37) 1,1-Dichloropropene	7.89	75	553518	44.60	ug/l	98
38) Ethyl Acetate	7.02	43	248270	22.95	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	542489	46.49	ug/l	99
40) Methylcyclohexane	9.19	83	602626	39.87	ug/l	98
41) Benzene	8.14	78	1675585	46.27	ug/l	99
42) Methacrylonitrile	7.24	41	273190	45.53	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	676785	46.39	ug/l	95
44) Isopropyl Acetate	8.25	43	614895	31.00	ug/l	93
45) Trichloroethene	8.93	130	369025	50.73	ug/l	89
46) 1,2-Dichloropropane	9.21	63	471513	45.26	ug/l	99
47) Dibromomethane	9.31	93	279014	45.61	ug/l	93
48) Bromodichloromethane	9.49	83	605562	46.97	ug/l	99
49) Methyl methacrylate	9.29	41	436703	44.19	ug/l #	88
50) 1,4-Dioxane	9.30	88	95062	820.26	ug/l	94
52) 4-Methyl-2-Pentanone	10.07	43	2303739	219.69	ug/l	99
53) Toluene	10.26	92	962675	45.38	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	457667	31.61	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	501556	31.85	ug/l	93
56) 1,1,2-Trichloroethane	10.66	97	372369	46.71	ug/l	98
57) Ethyl methacrylate	10.52	69	600192	44.68	ug/l #	91
58) 1,3-Dichloropropane	10.80	76	686544	46.39	ug/l	98
60) 2-Hexanone	10.84	43	1541008	215.84	ug/l	100
61) Dibromochloromethane	11.00	129	379074	46.56	ug/l	99
62) 1,2-Dibromoethane	11.11	107	356227	45.47	ug/l	100
65) Tetrachloroethene	10.74	164	244802	42.29	ug/l	95
66) Chlorobenzene	11.54	112	966254	45.21	ug/l	100
67) 1,1,1,2-Tetrachloroethane	11.62	131	334742	45.92	ug/l	98
68) Ethyl Benzene	11.62	91	1811087	44.69	ug/l	99
69) m/p-Xylenes	11.73	106	1246379	89.14	ug/l	90
70) o-Xylene	12.06	106	630511	44.98	ug/l	90
71) Styrene	12.07	104	972843	42.99	ug/l	94
72) Bromoform	12.24	173	229705	45.31	ug/l	98
74) Isopropylbenzene	12.36	105	1695457	45.35	ug/l	98
75) N-amyl acetate	12.17	43	380543	22.81	ug/l	98
76) 1,1,2,2-Tetrachloroethane	12.61	83	485319	50.31	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	428901m	41.83	ug/l	
78) Bromobenzene	12.64	156	336564	45.91	ug/l	97
79) n-propylbenzene	12.71	91	1943347	44.18	ug/l	98
80) 2-Chlorotoluene	12.79	91	1198177	45.37	ug/l	95
81) 1,3,5-Trimethylbenzene	12.85	105	1342504	44.70	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	78162	18.73	ug/l	94
83) 4-Chlorotoluene	12.89	91	1189769	45.85	ug/l	95
84) tert-Butylbenzene	13.11	119	1102493	44.49	ug/l	89
85) 1,2,4-Trimethylbenzene	13.16	105	1361275	45.13	ug/l	95
86) sec-Butylbenzene	13.29	105	1589720	43.79	ug/l	99
87) p-Isopropyltoluene	13.41	119	1190119	42.57	ug/l	94
88) 1,3-Dichlorobenzene	13.41	146	571091	45.53	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	558277	43.94	ug/l	95
90) n-Butylbenzene	13.74	91	1092195	40.25	ug/l	98
91) Hexachloroethane	14.01	117	271887	44.44	ug/l	94
92) 1,2-Dichlorobenzene	13.78	146	575870	46.45	ug/l	97
93) 1,2-Dibromo-3-Chloropropan	14.40	75	97871	45.72	ug/l	89

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,2,4-Trichlorobenzene	15.05	180	295086	44.06	ug/l	98
95) Hexachlorobutadiene	15.16	225	131430	37.26	ug/l	99
96) Naphthalene	15.29	128	913858	46.55	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	305031	45.82	ug/l	98

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

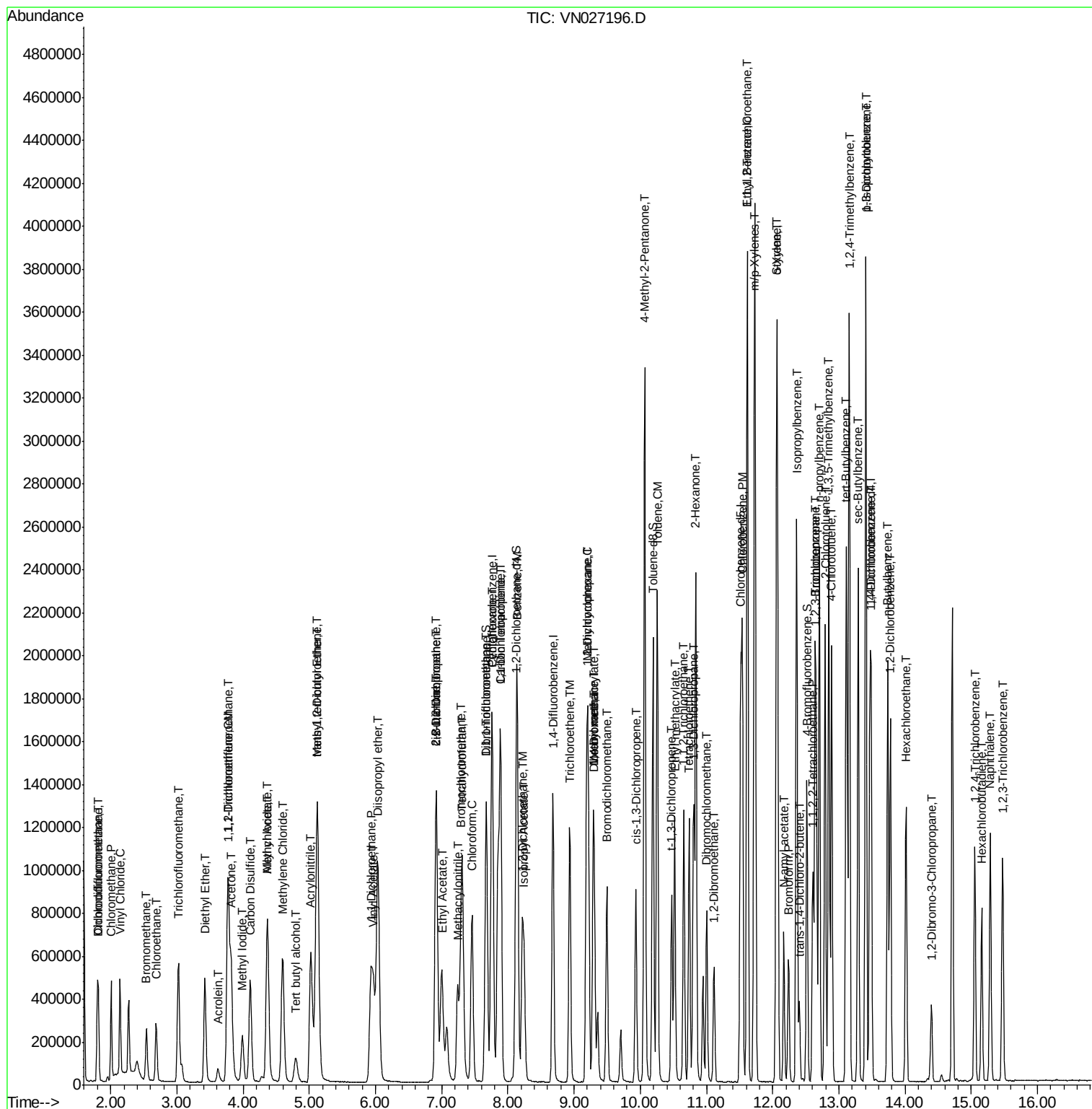
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
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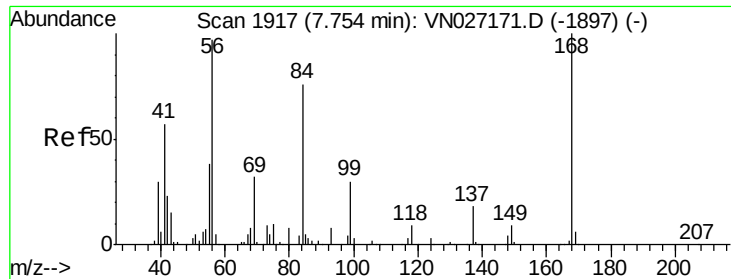
Instrument :
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion:168 Resp: 511569

Ion Ratio Lower Upper

168 100

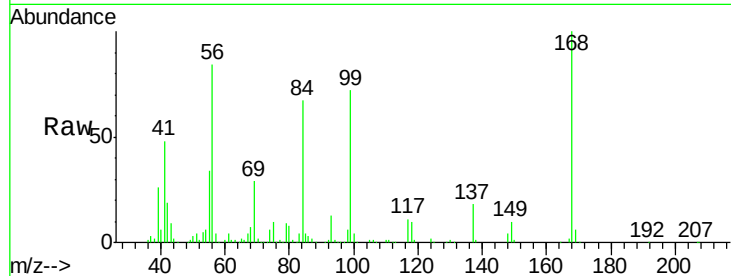
99 71.5 50.4 75.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

250000

200000

150000

100000

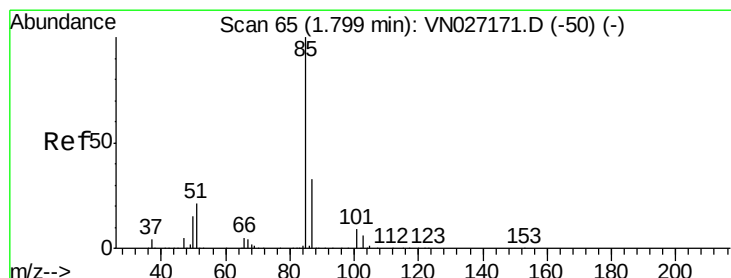
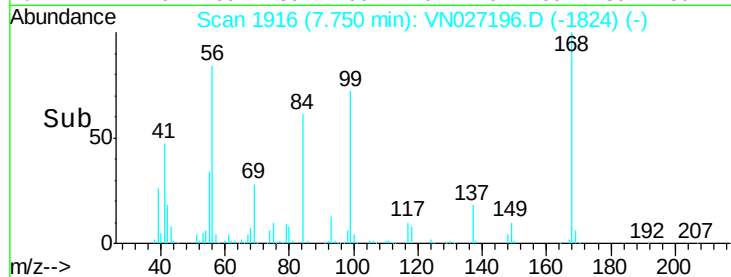
50000

0

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 46.59 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027196.D

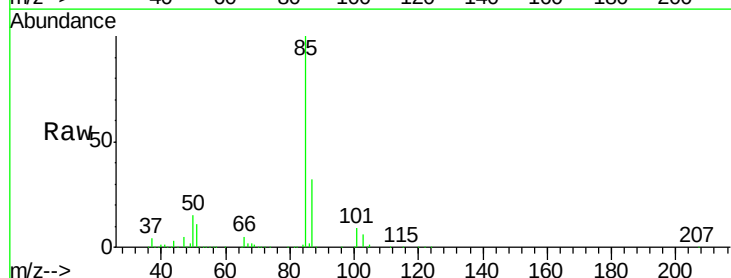
Acq: 16 Sep 2015 7:11

Tgt Ion: 85 Resp: 285190

Ion Ratio Lower Upper

85 100

87 32.5 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

250000

200000

150000

100000

50000

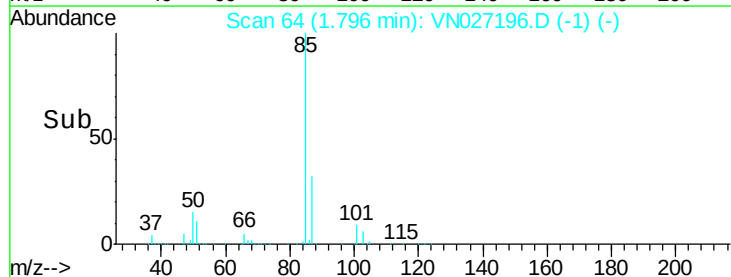
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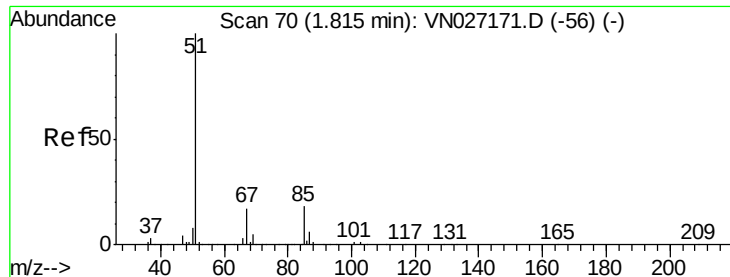
1.75

1.80

1.85

Time-->





#3

Chlorodifluoromethane

Concen: 47.08 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion: 51 Resp: 333451

Ion Ratio Lower Upper

51 100

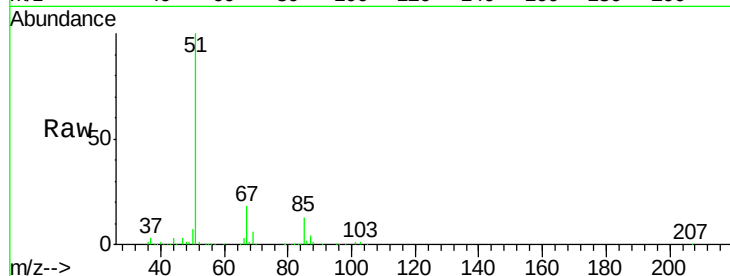
67 17.9 12.2 18.2

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

1.82

250000

200000

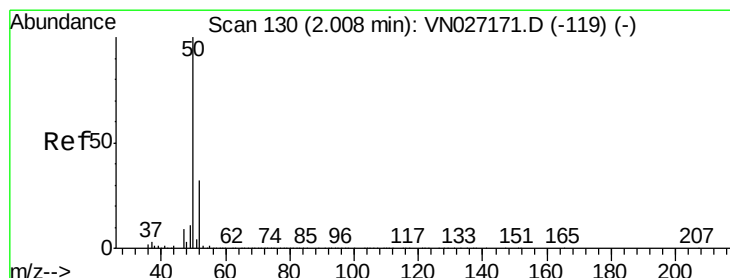
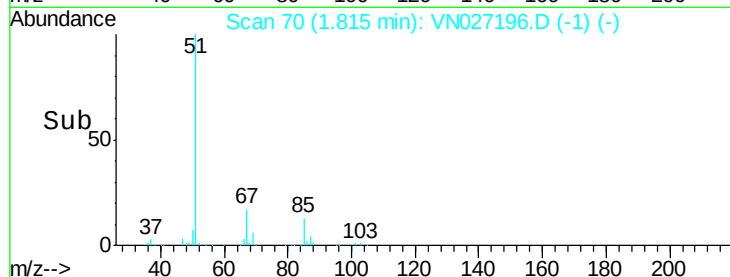
150000

100000

50000

0

Time-->



#4

Chloromethane

Concen: 49.80 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027196.D

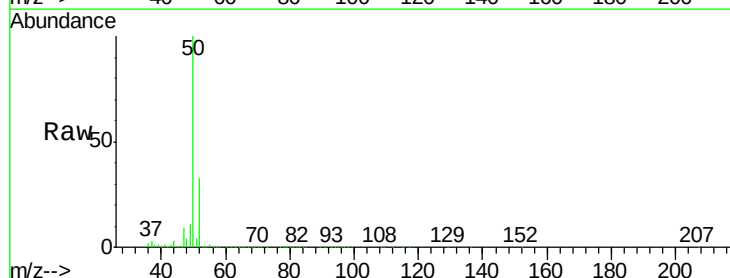
Acq: 16 Sep 2015 7:11

Tgt Ion: 50 Resp: 341378

Ion Ratio Lower Upper

50 100

52 33.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.01

300000

250000

200000

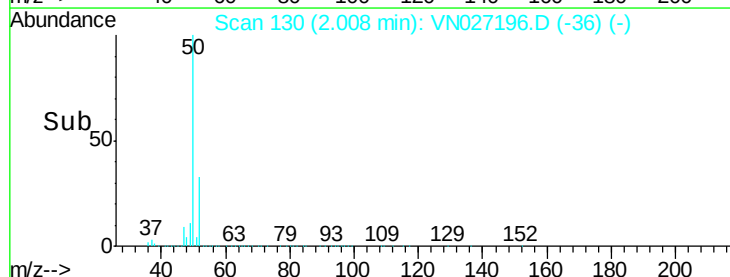
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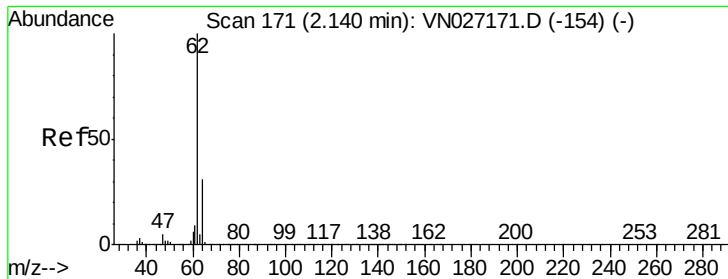
100000

50000

0

Time-->





#5

Vinyl Chloride

Concen: 50.59 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampled :

S39-0095MSD

Tot Ion: 62 Resp: 365755

Ion Ratio Lower Upper

62 100

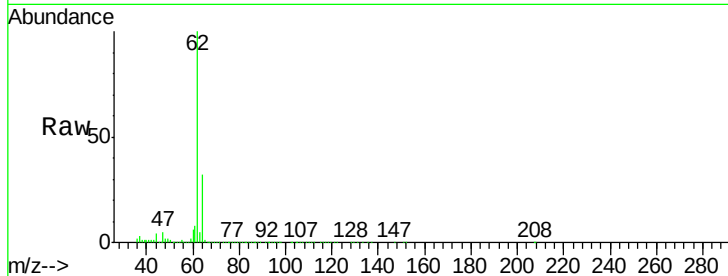
64 31.5 25.9 38.9

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Abundance Ion 61.90 (61.60 to 62.60): VNC

Ion 63.90 (63.60 to 64.60): VNC

2.14

250000

200000

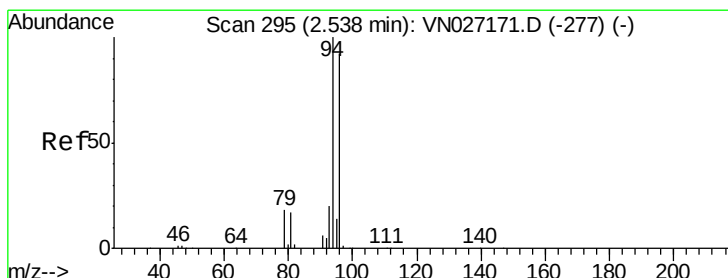
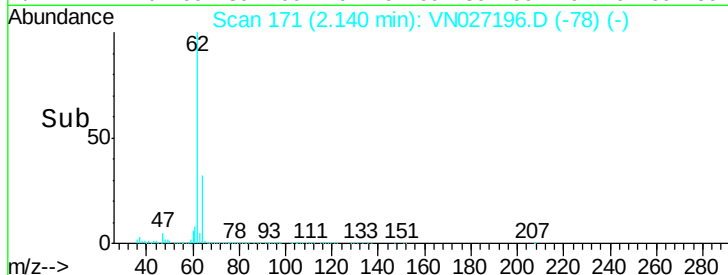
150000

100000

50000

0

Time--> 2.05 2.10 2.15 2.20



#6

Bromomethane

Concen: 46.50 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027196.D

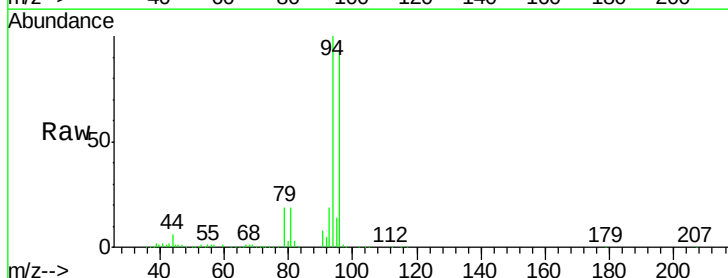
Acq: 16 Sep 2015 7:11

Tgt Ion: 94 Resp: 164609

Ion Ratio Lower Upper

94 100

96 93.0 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC

2.54

100000

80000

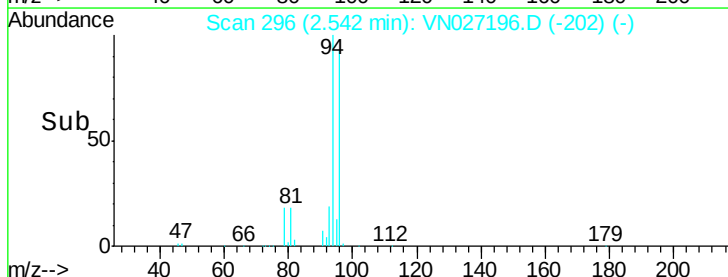
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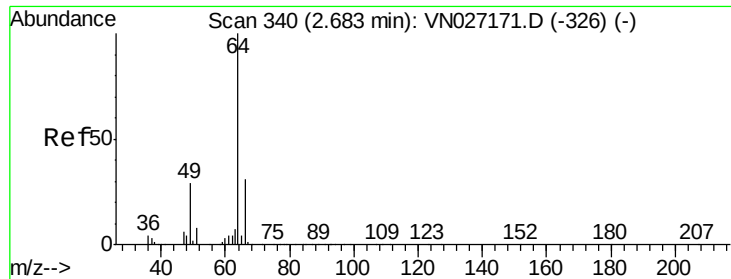
40000

20000

0

Time--> 2.45 2.50 2.55 2.60 2.65





#7

Chloroethane

Concen: 49.71 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion: 64 Resp: 244281

Ion Ratio Lower Upper

64 100

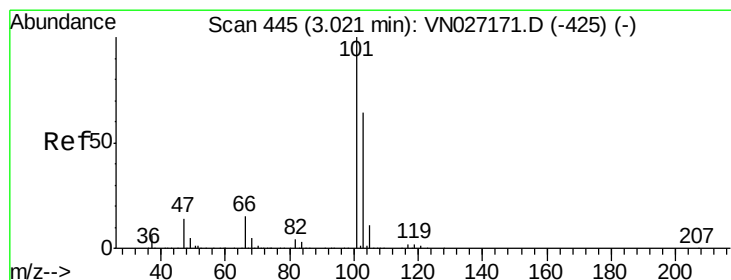
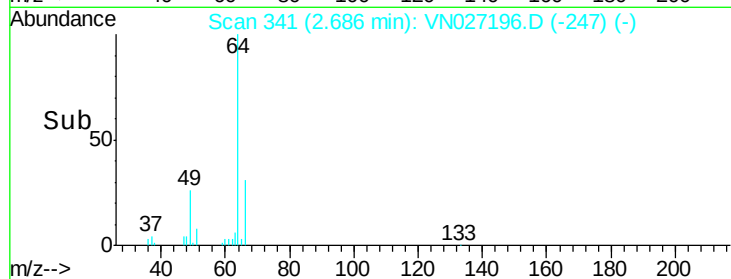
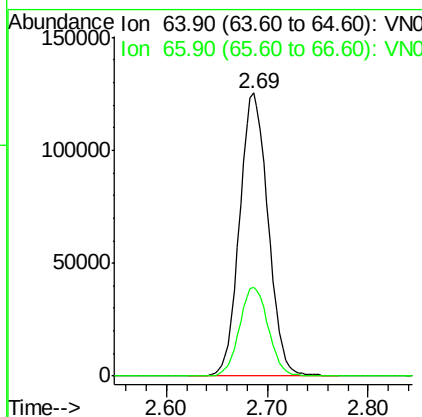
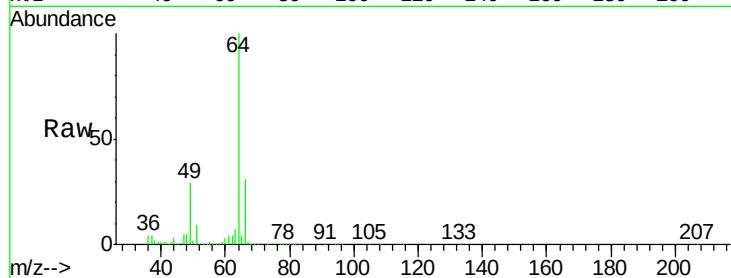
66 31.3 25.5 38.3

Manual Integrations

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MMDadoda

9/16/2015 11:48:13 AM



#8

Trichlorofluoromethane

Concen: 49.49 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027196.D

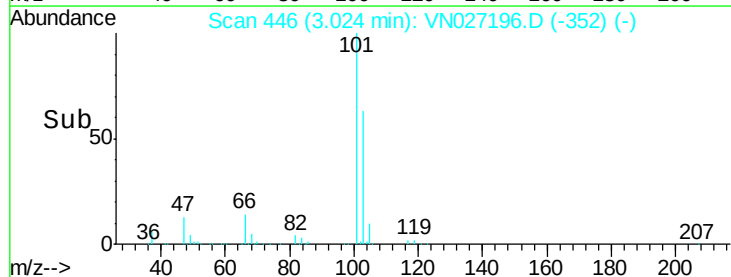
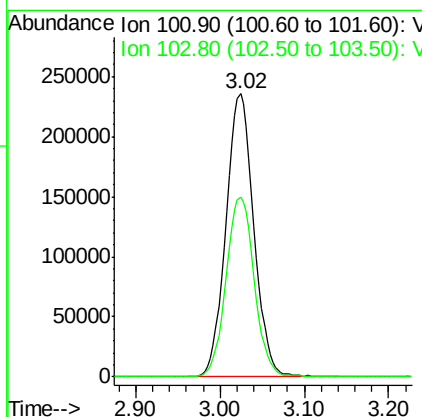
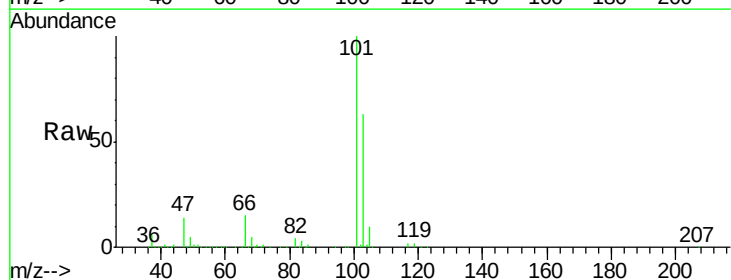
Acq: 16 Sep 2015 7:11

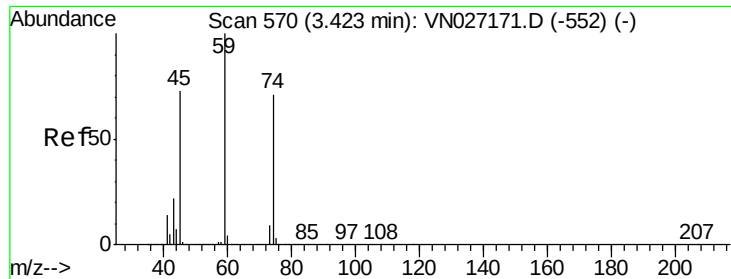
Tgt Ion: 101 Resp: 540396

Ion Ratio Lower Upper

101 100

103 63.2 52.6 79.0





#9

Diethyl Ether

Concen: 49.95 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

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Tot Ion: 74 Resp: 250975

Ion Ratio Lower Upper

74 100

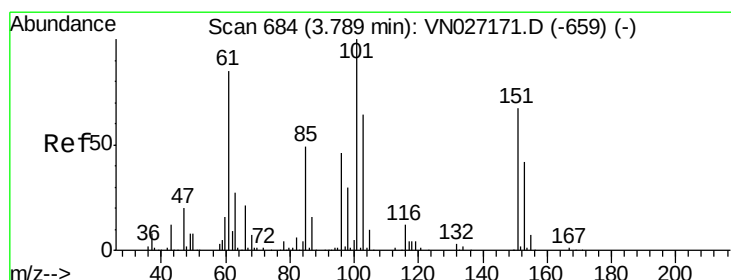
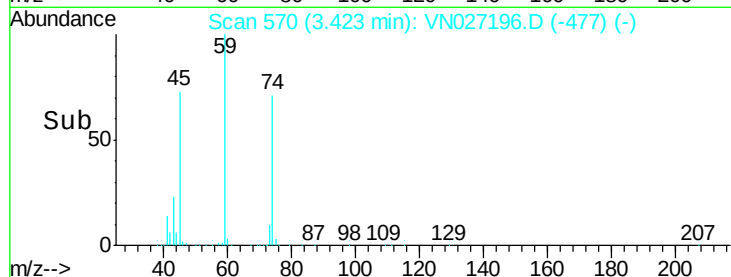
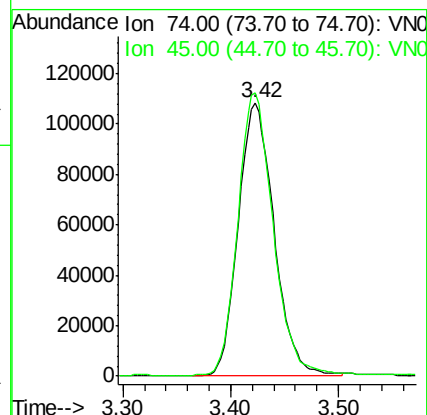
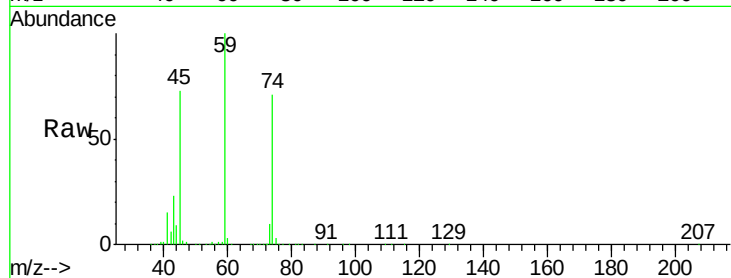
45 101.7 58.1 174.3

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#10

1,1,2-Trichlorotrifluoroethane

Concen: 45.88 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027196.D

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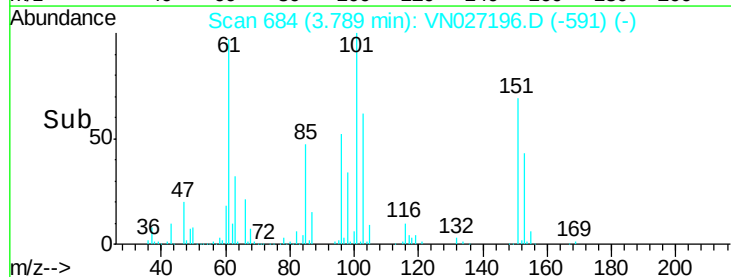
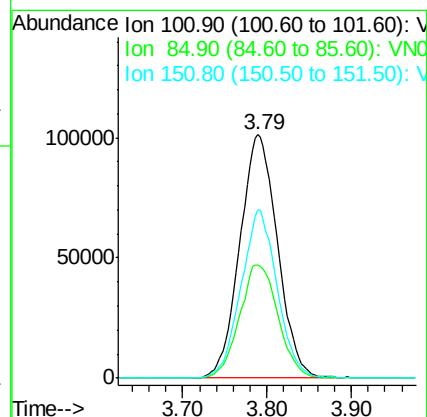
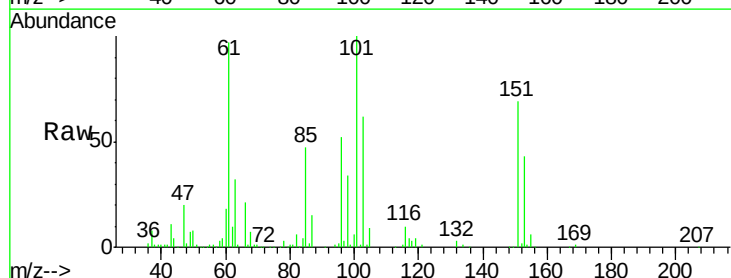
Tgt Ion: 101 Resp: 314709

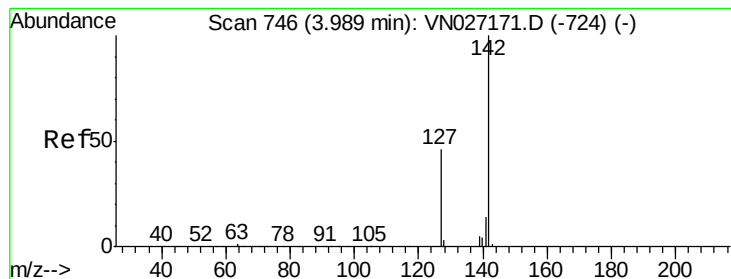
Ion Ratio Lower Upper

101 100

85 47.7 37.4 56.0

151 66.3 55.9 83.9





#11

Methvl Iodide

Concen: 51.22 ug/l

RT: 3.99 min Scan# 746

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

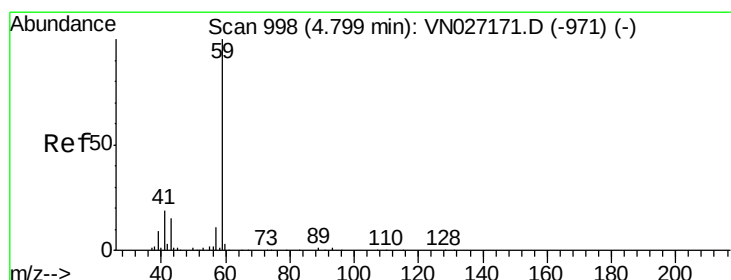
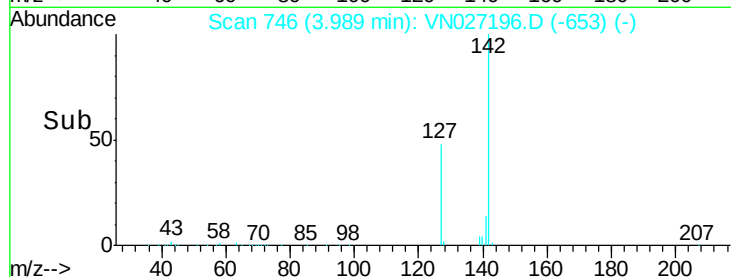
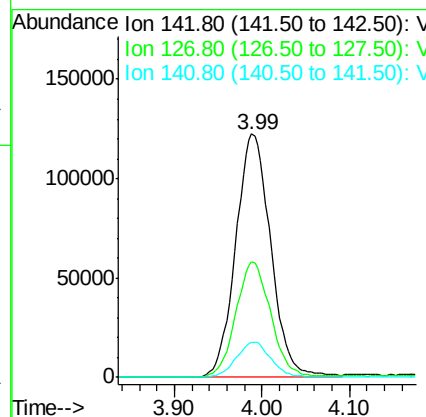
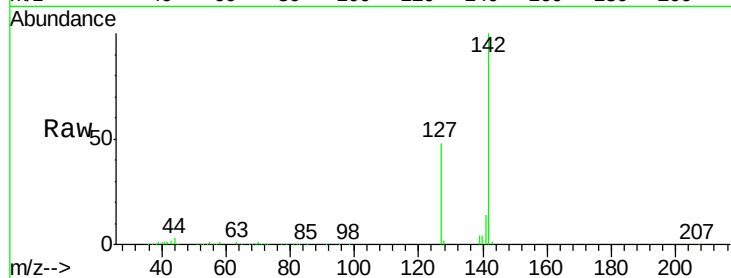
ClientSampleId :

S39-0095MSD

Tot Ion:	142	Resp:	341475
Ion Ratio	Lower	Upper	
142	100		
127	47.2	32.3	48.5
141	14.3	11.2	16.8

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#12

Tert butyl alcohol

Concen: 229.69 ug/l

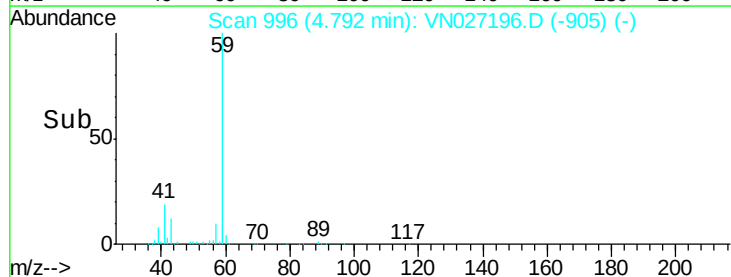
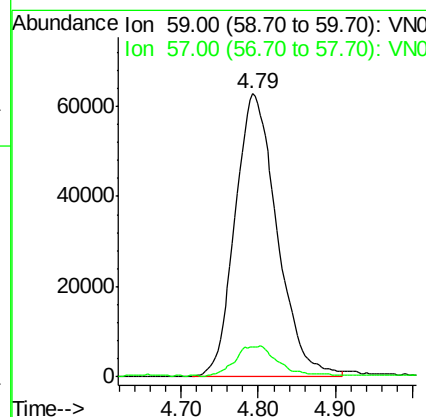
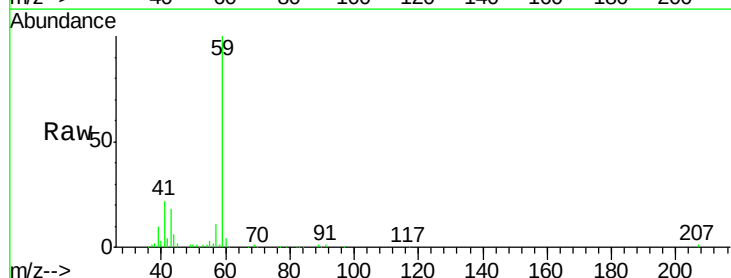
RT: 4.79 min Scan# 996

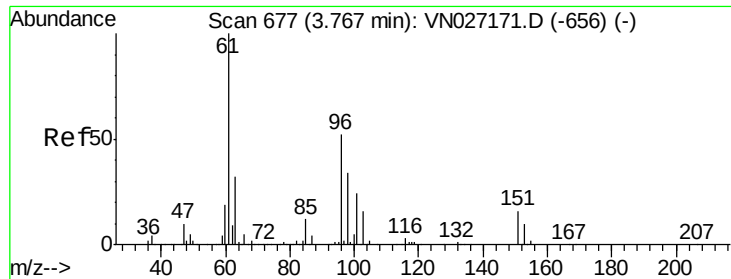
Delta R.T. -0.01 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Tgt Ion:	59	Resp:	235425
Ion Ratio	Lower	Upper	
59	100		
57	10.7	7.6	11.4





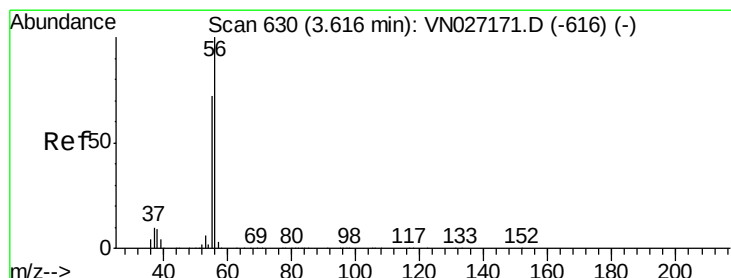
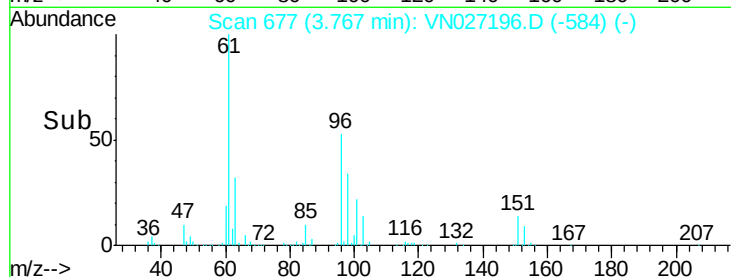
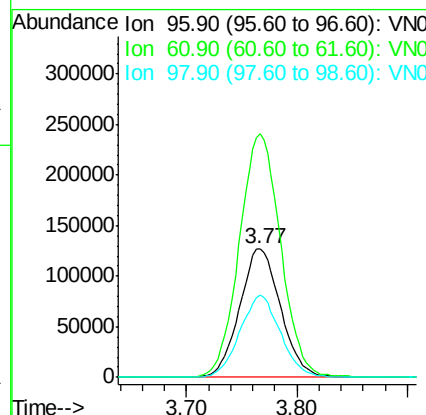
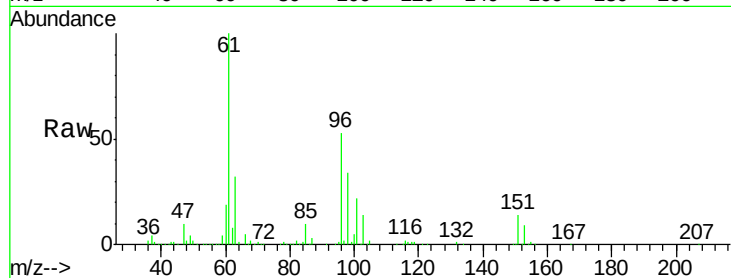
#13
 1,1-Dichloroethene
 Concen: 49.85 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	188.3	143.8	215.8
98	63.1	50.3	75.5

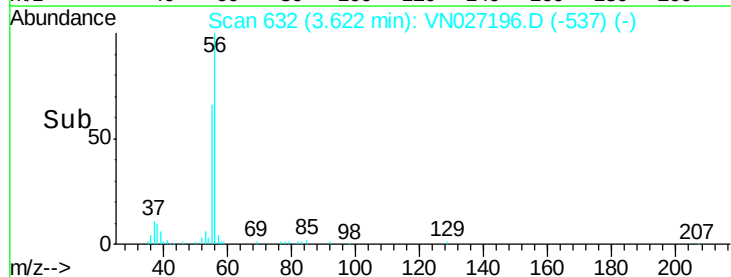
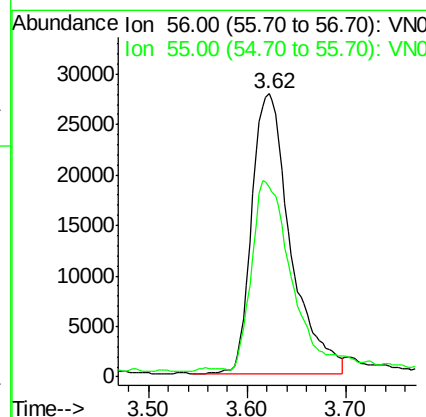
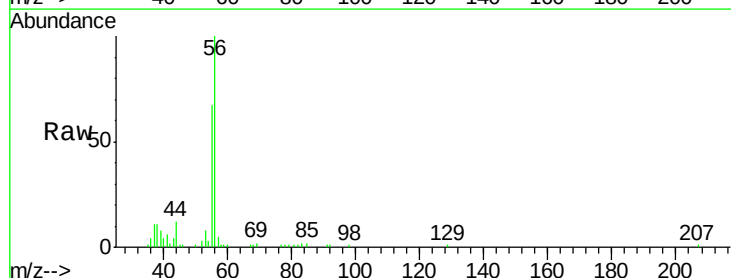
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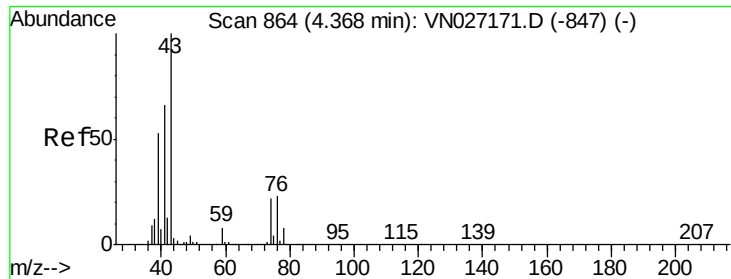
MMDadoda
 9/16/2015 11:48:13 AM



#14
 Acrolein
 Concen: 62.83 ug/l
 RT: 3.62 min Scan# 632
 Delta R.T. 0.01 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
56	100		
55	69.7	55.7	83.5





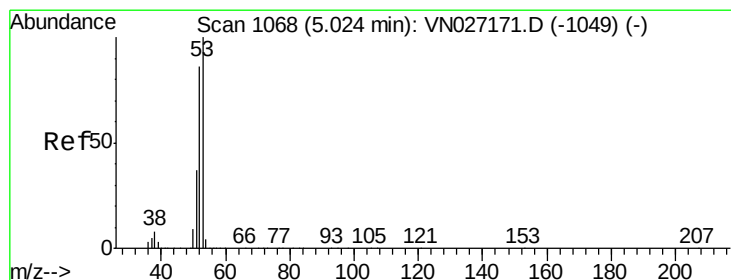
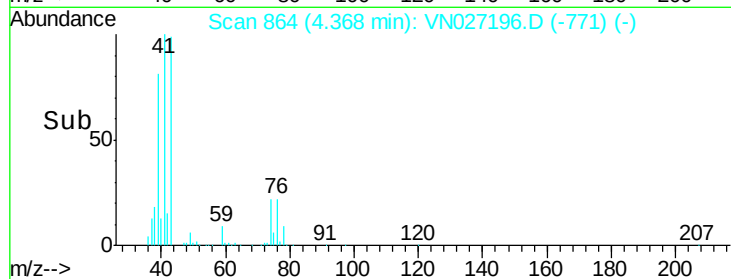
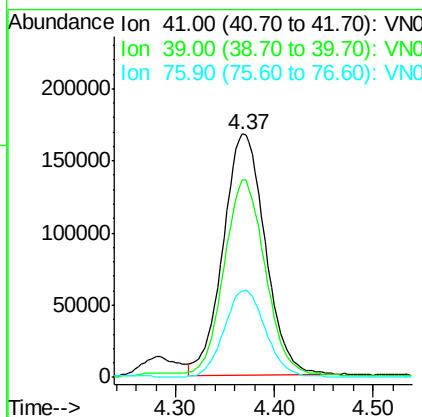
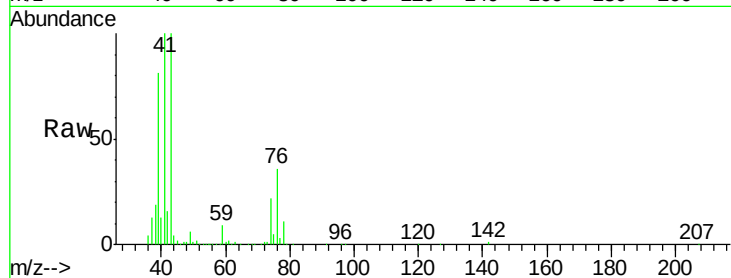
#15
Allvl chloride
Concen: 37.44 ug/l
RT: 4.37 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
41	100	496762		
39	79.8	49.7	74.5#	
76	35.3	24.8	37.2	

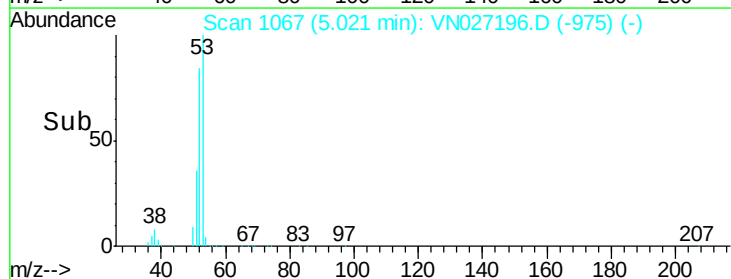
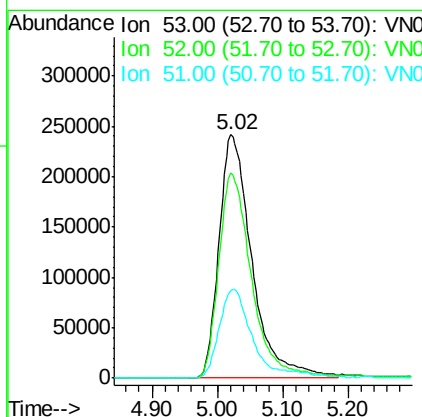
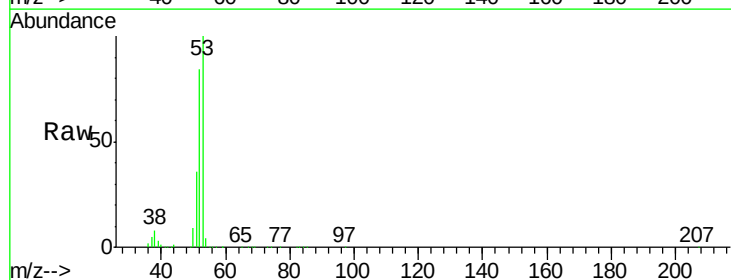
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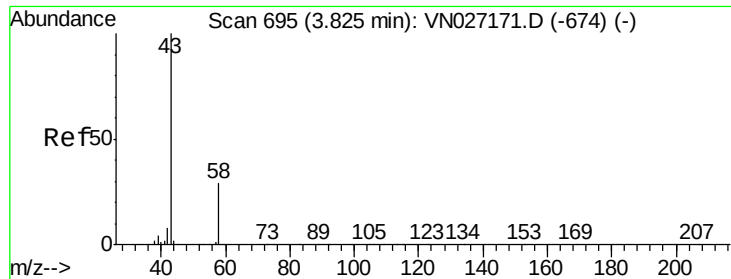
MMDadoda
9/16/2015 11:48:13 AM



#16
Acrylonitrile
Concen: 252.68 ug/l
RT: 5.02 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
53	100	846943		
52	83.0	66.9	100.3	
51	37.2	27.4	41.0	





#17

Acetone

Concen: 251.43 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion: 43 Resp: 710546

Ion Ratio Lower Upper

43 100

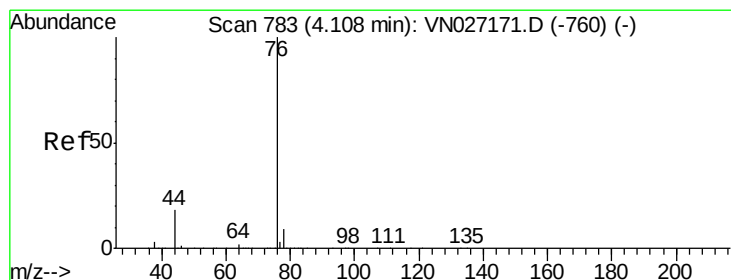
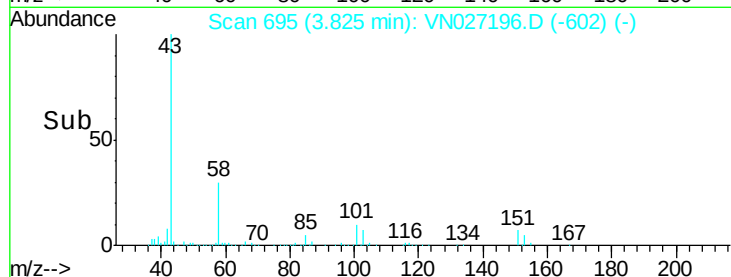
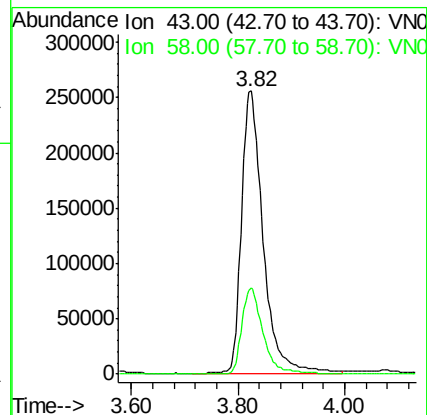
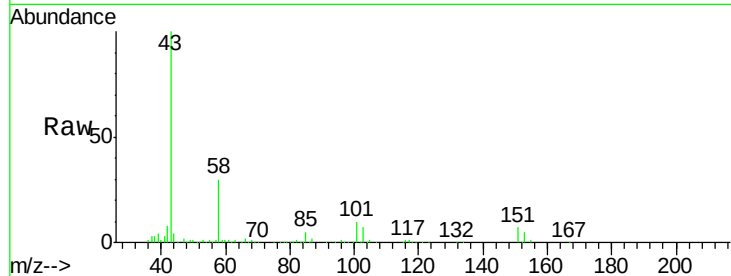
58 30.2 25.4 38.0

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#18

Carbon Disulfide

Concen: 43.60 ug/l

RT: 4.11 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN027196.D

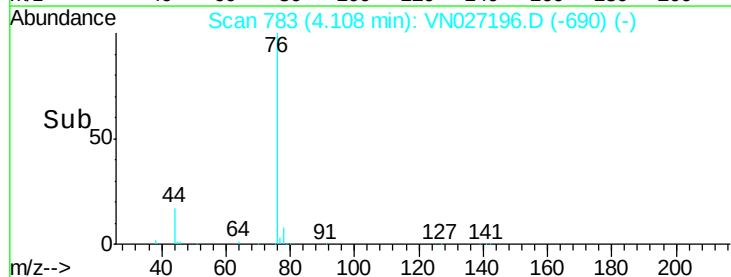
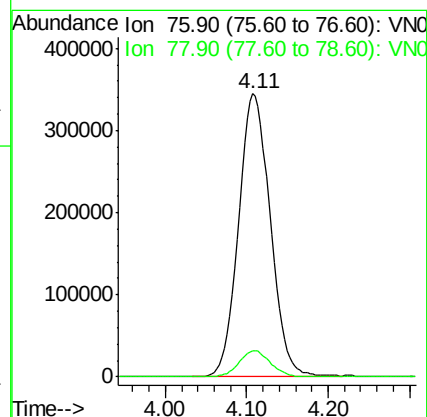
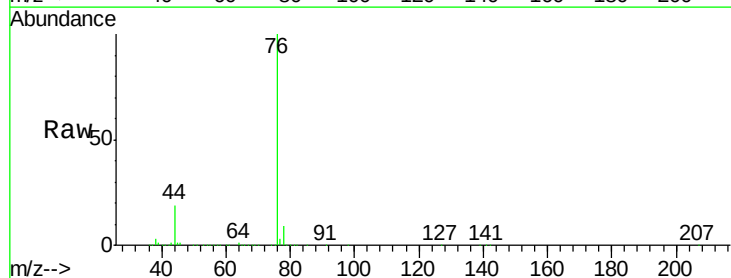
Acq: 16 Sep 2015 7:11

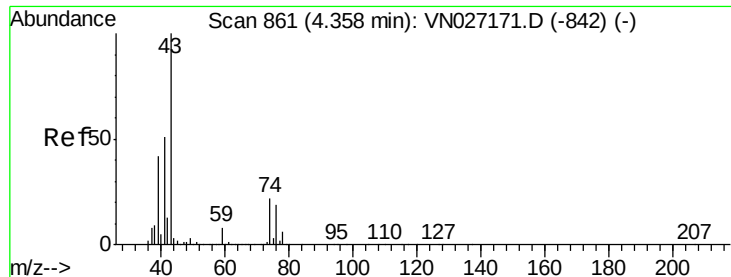
Tgt Ion: 76 Resp: 932533

Ion Ratio Lower Upper

76 100

78 9.2 7.1 10.7





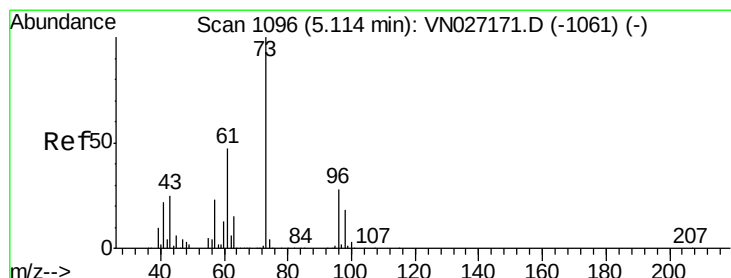
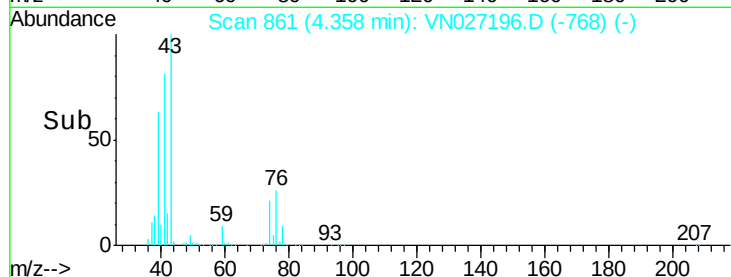
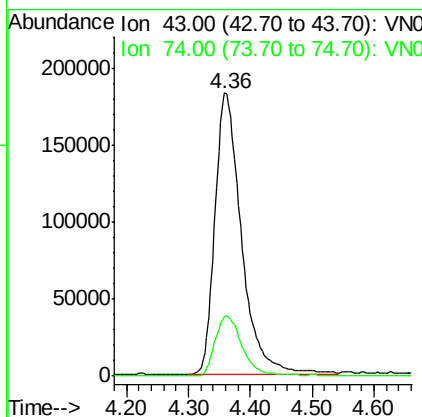
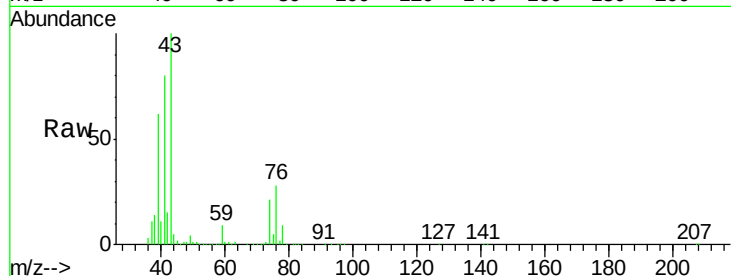
#19
Methvl Acetate
Concen: 26.76 ug/l
RT: 4.36 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MSD

Tot Ion	Ratio	Lower	Upper
43	100		
74	21.6	16.2	24.2

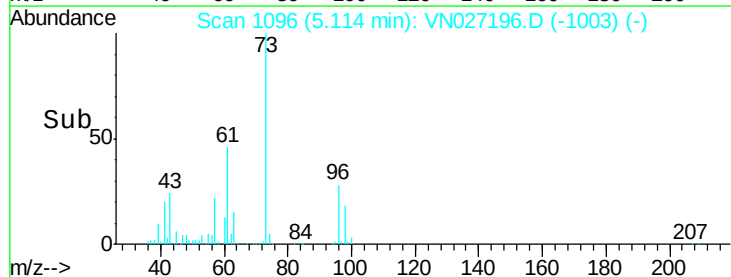
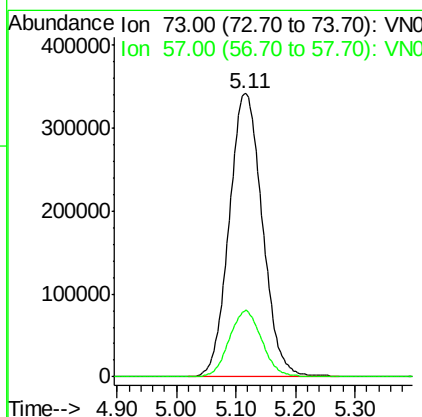
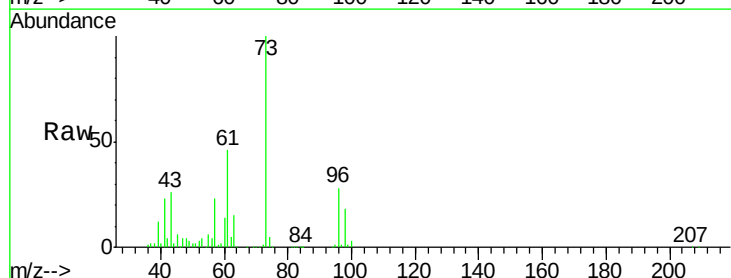
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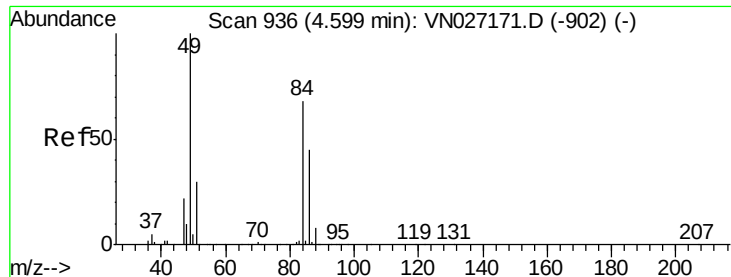
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#20
Methyl tert-butyl Ether
Concen: 50.20 ug/l
RT: 5.11 min Scan# 1096
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.3	19.8	29.6





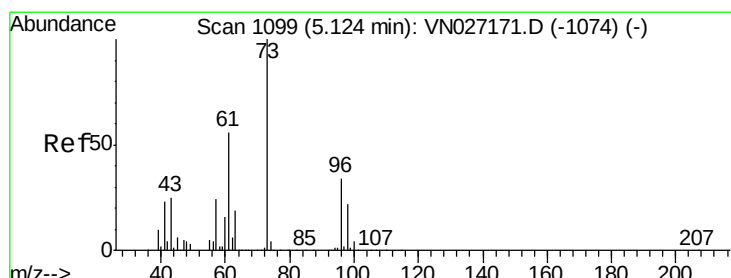
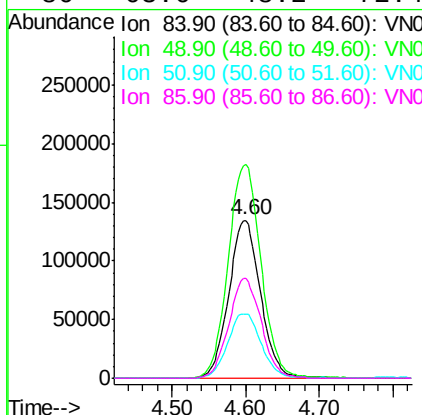
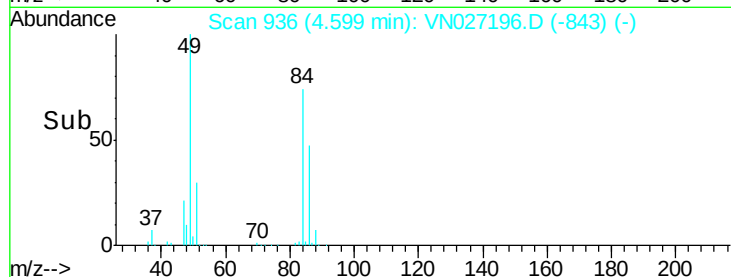
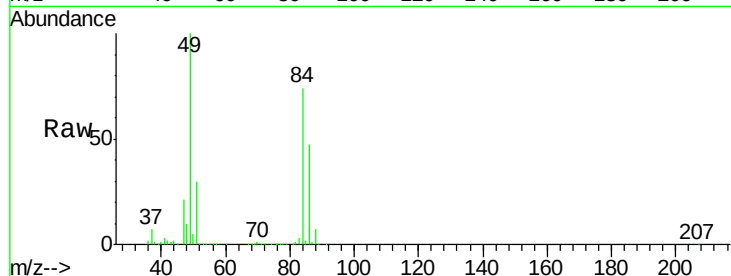
#21
Methvlene Chloride
Concen: 50.97 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampled :
S39-0095MSD

Tot Ion:	84	Resp:	401248
Ion	Ratio	Lower	Upper
84	100		
49	135.6	112.3	168.5
51	40.8	33.8	50.8
86	63.6	48.2	72.4

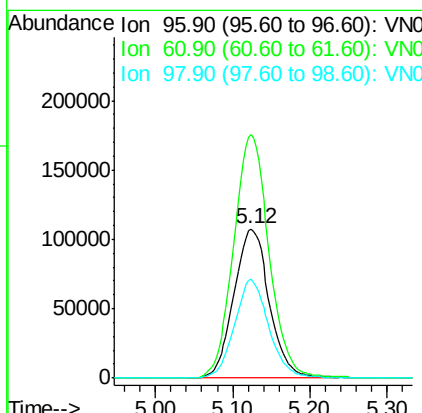
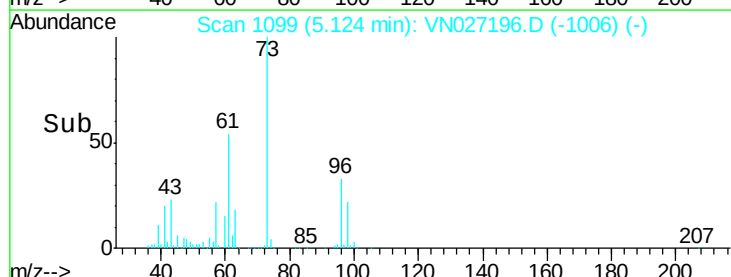
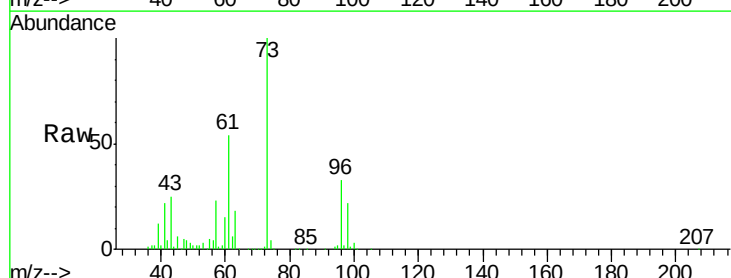
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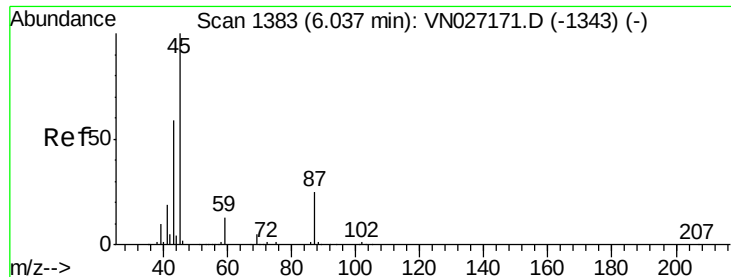
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#22
trans-1,2-Dichloroethene
Concen: 47.91 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion:	96	Resp:	340363
Ion	Ratio	Lower	Upper
96	100		
61	163.4	126.6	189.8
98	66.1	47.4	71.2





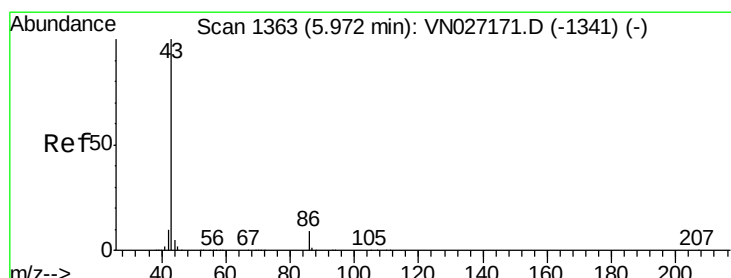
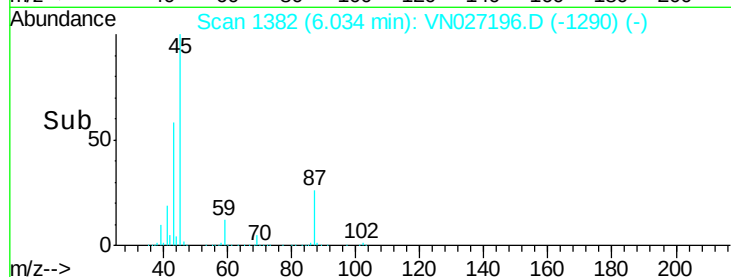
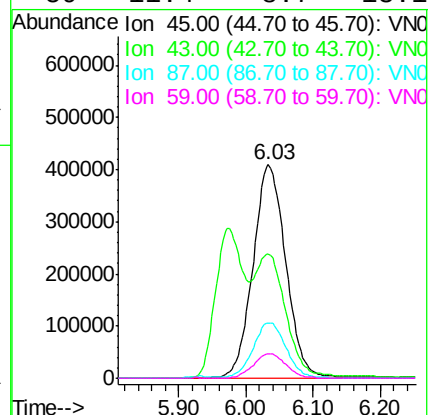
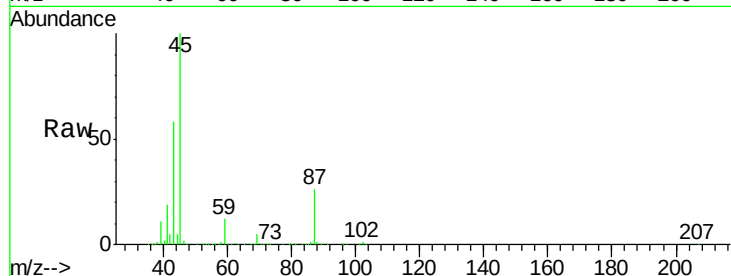
#23
Diisopropyl ether
Concen: 49.66 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MSD

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	57.7	41.0	61.6	
87	25.8	17.5	26.3	
59	11.4	8.7	13.1	

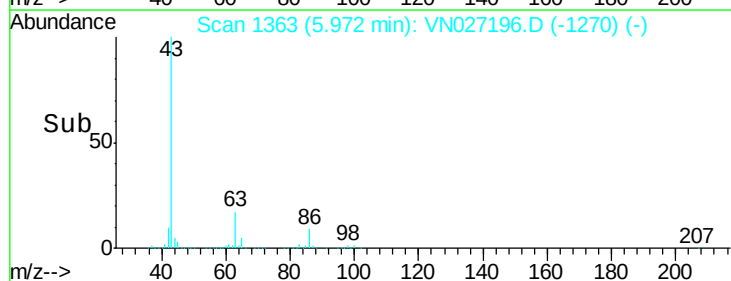
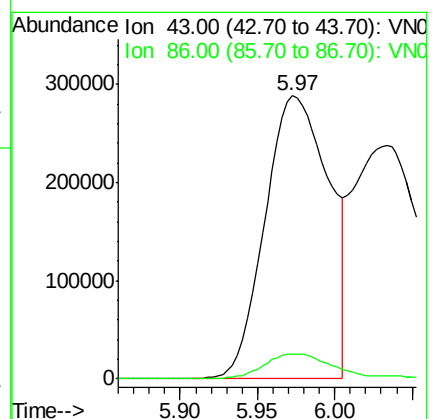
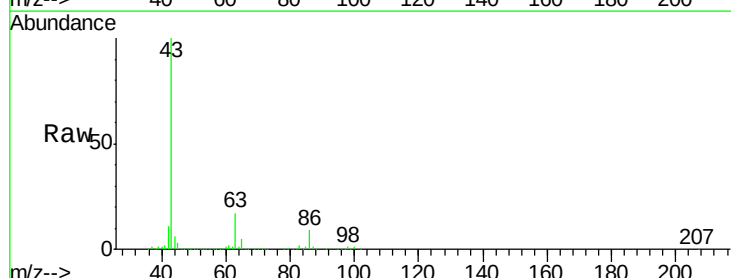
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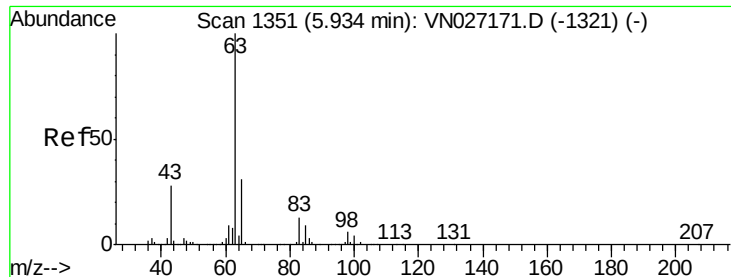
MMDadoda
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#24
Vinyl Acetate
Concen: 89.79 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	8.8	6.9	10.3	





#25

1,1-Dichloroethane

Concen: 50.27 ug/l

RT: 5.93 min Scan# 1351

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

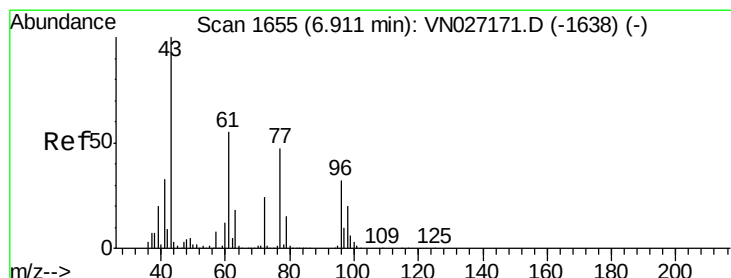
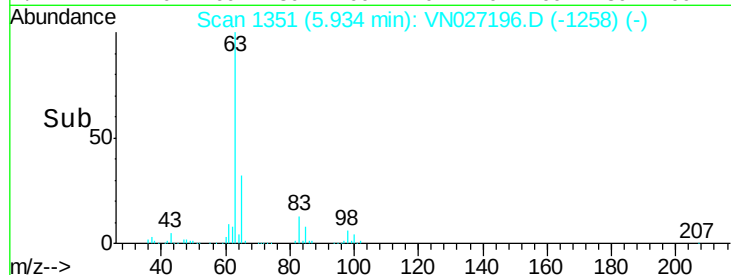
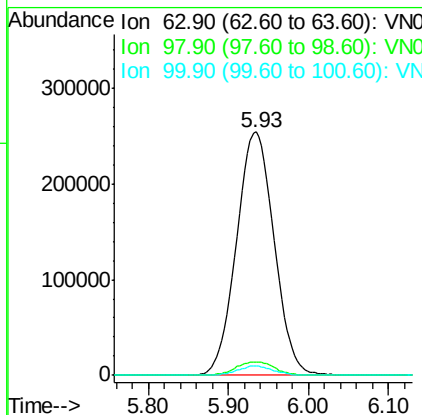
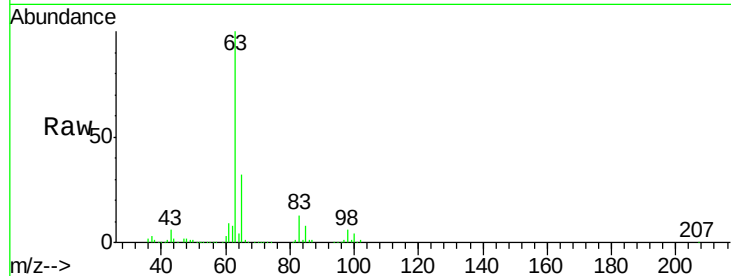
ClientSampleId :

S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
63	100	812898		
98	5.6	2.8	8.3	
100	3.8	1.7	5.0	

Manual Integrations
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#26

2-Butanone

Concen: 242.45 ug/l

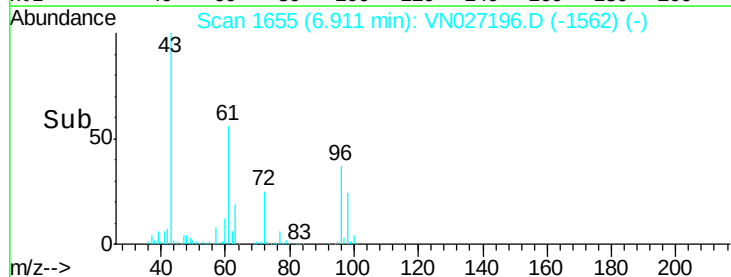
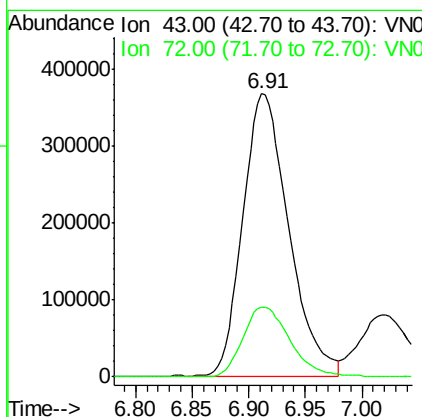
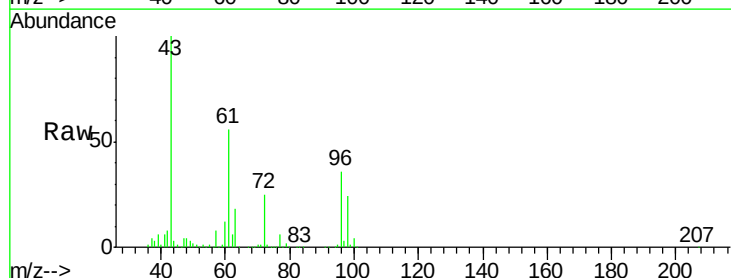
RT: 6.91 min Scan# 1655

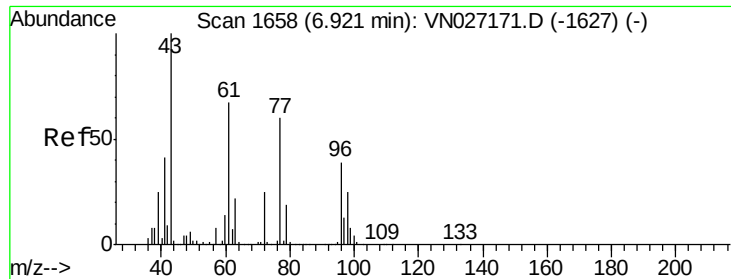
Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1031785		
72	24.9	18.8	28.2	





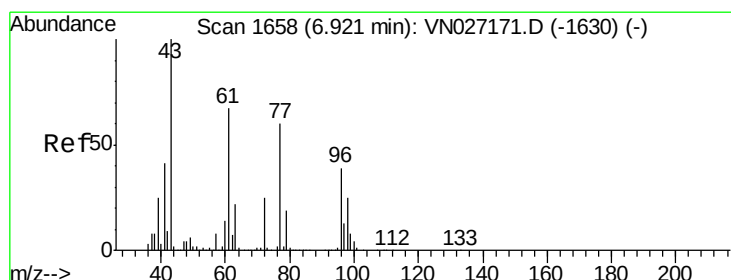
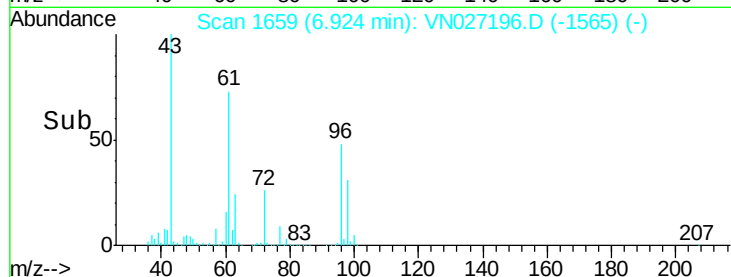
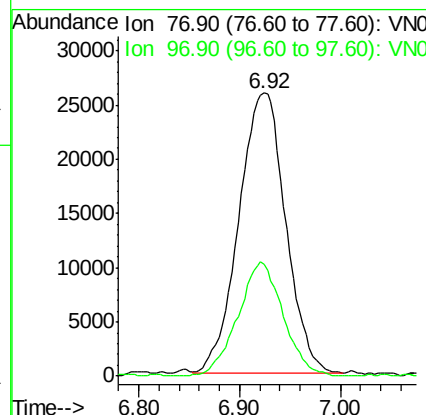
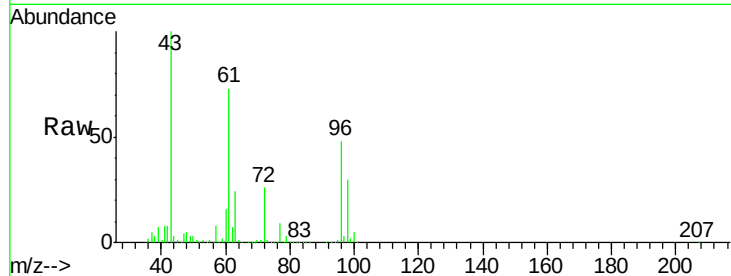
#27
 2,2-Dichloropropane
 Concen: 5.94 ug/l
 RT: 6.92 min Scan# 1659
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampled :
 S39-0095MSD

Tot Ion: 77 Resp: 83297
 Ion Ratio Lower Upper
 77 100
 97 39.3 11.8 35.3#

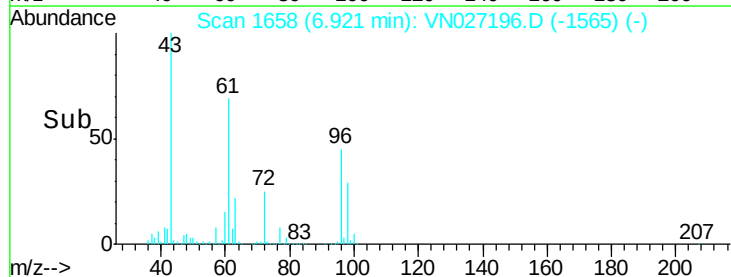
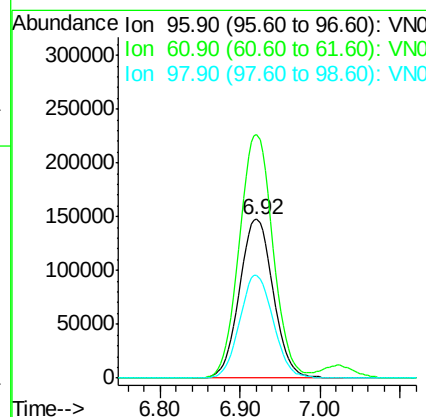
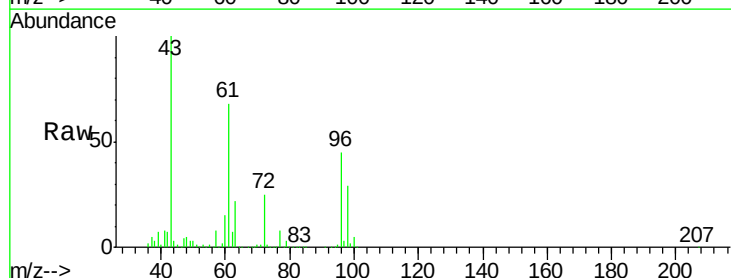
Manual Integrations
 APPROVED

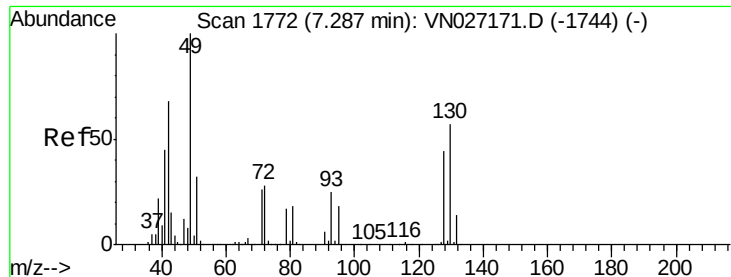
MMDadoda
 9/16/2015 11:48:13 AM



#28
 cis-1,2-Dichloroethene
 Concen: 51.90 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion: 96 Resp: 422899
 Ion Ratio Lower Upper
 96 100
 61 152.4 0.0 329.2
 98 64.2 0.0 126.0





#29

Bromochloromethane

Concen: 56.99 ug/l

RT: 7.29 min Scan# 1772

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampled :

S39-0095MSD

Tot Ion: 49 Resp: 357674

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.2

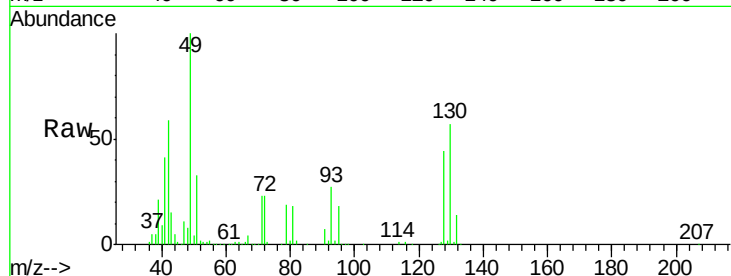
130 57.4 43.2 64.8

Manual Integrations

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MMDadoda

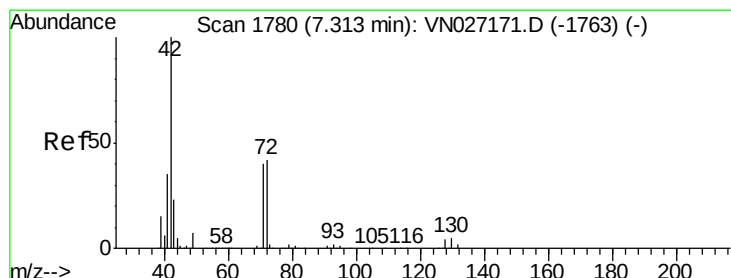
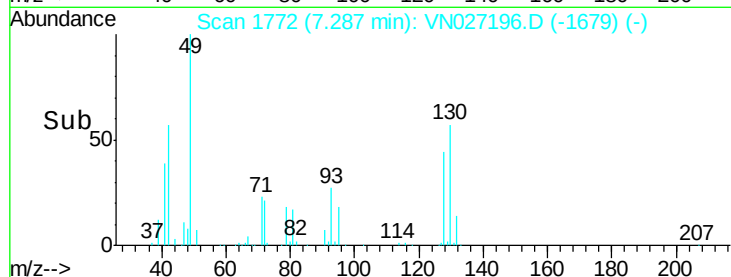
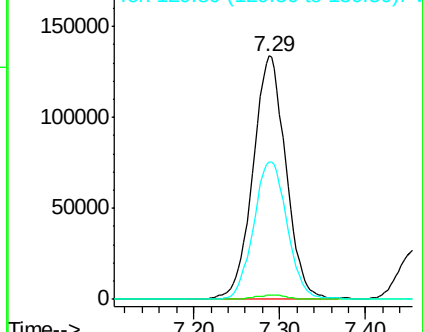
9/16/2015 11:48:13 AM



Abundance Ion 48.90 (48.60 to 49.60): VNC

Ion 128.80 (128.50 to 129.50): VNC

Ion 129.80 (129.50 to 130.50): VNC



#30

Tetrahydrofuran

Concen: 230.38 ug/l

RT: 7.31 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

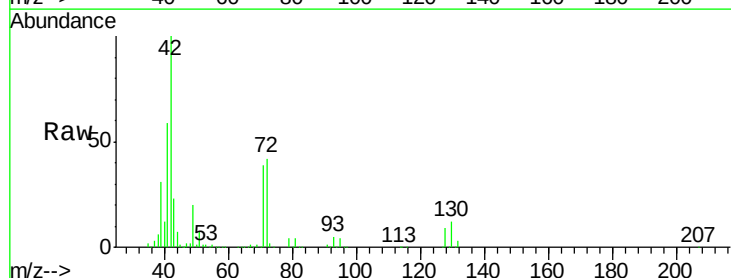
Tgt Ion: 42 Resp: 675694

Ion Ratio Lower Upper

42 100

72 41.9 29.9 44.9

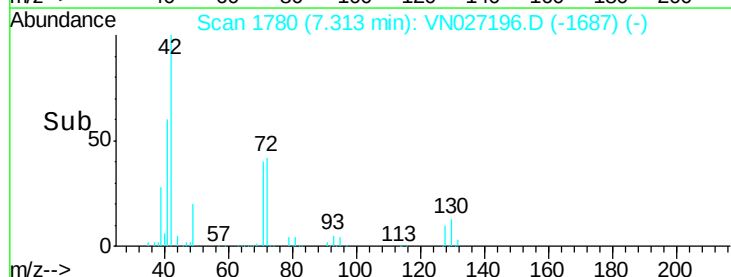
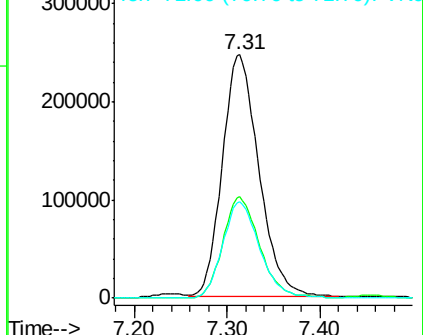
71 40.2 28.3 42.5

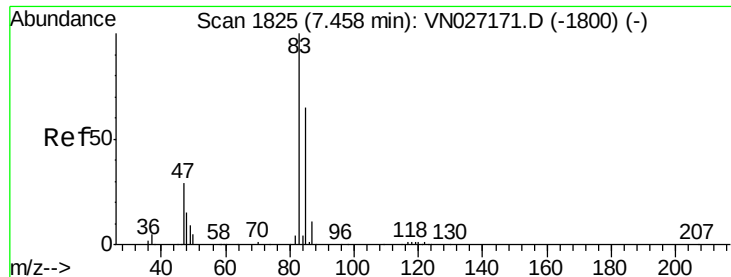


Abundance Ion 42.00 (41.70 to 42.70): VNC

Ion 72.00 (71.70 to 72.70): VNC

Ion 71.00 (70.70 to 71.70): VNC





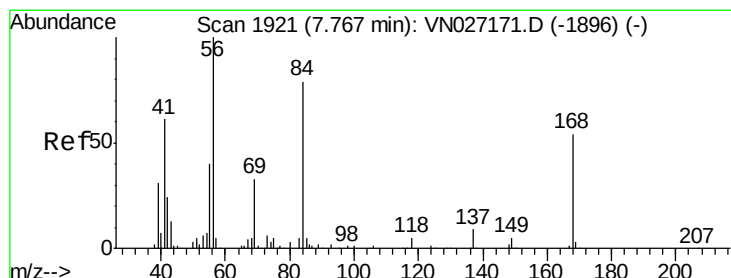
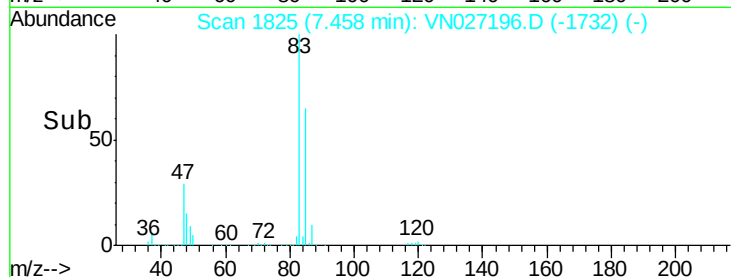
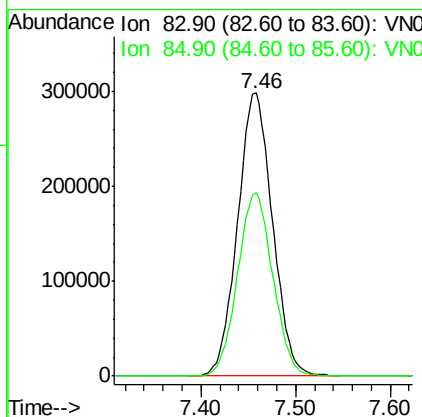
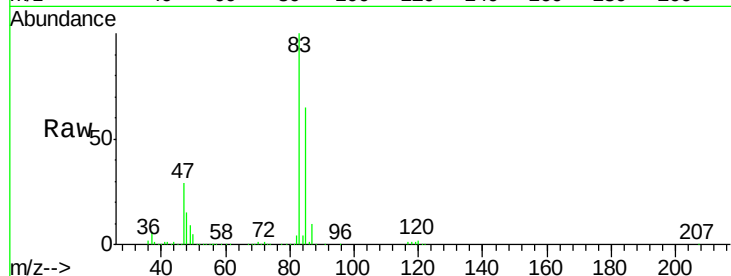
#31
Chloroform
Concen: 52.27 ug/l
RT: 7.46 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MSD

Tot Ion	83	Resp	763751
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	51.1	76.7

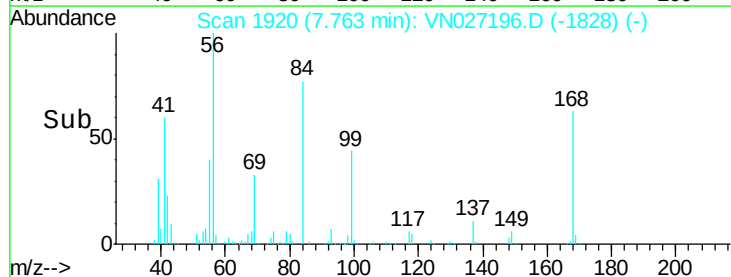
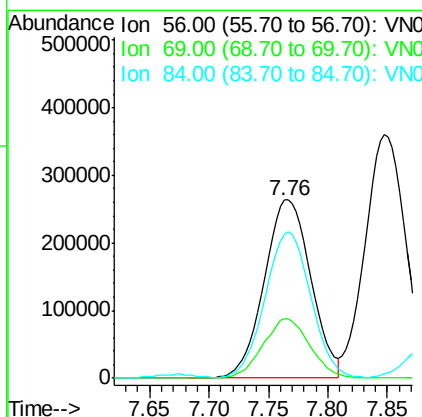
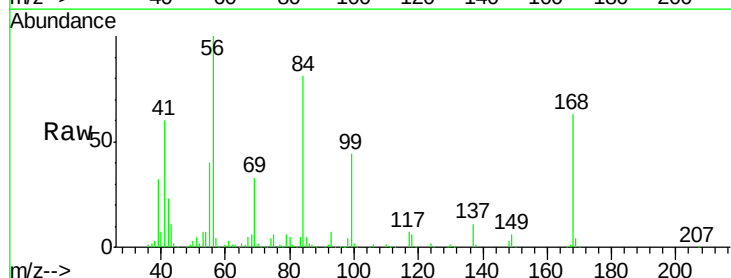
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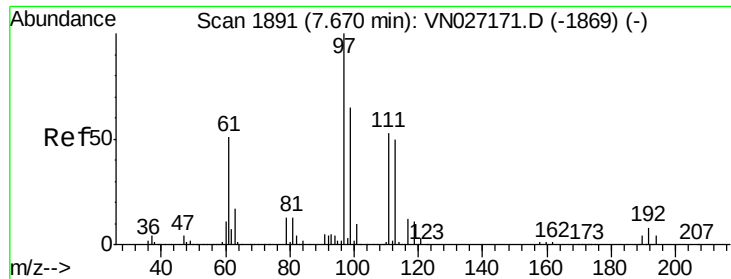
MMDadoda
9/16/2015 11:48:13 AM



#32
Cyclohexane
Concen: 49.64 ug/l
RT: 7.76 min Scan# 1920
Delta R.T. -0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	56	Resp	714728
Ion Ratio	100	Lower	Upper
56	100		
69	33.3	23.0	34.4
84	79.3	57.8	86.8





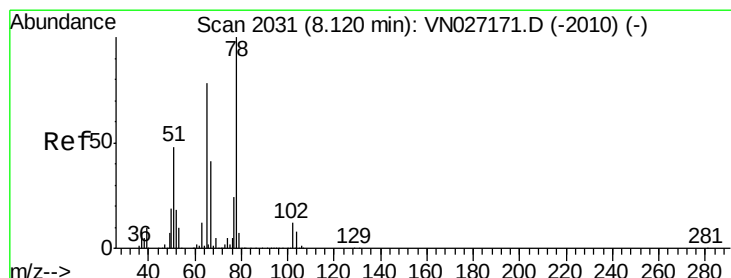
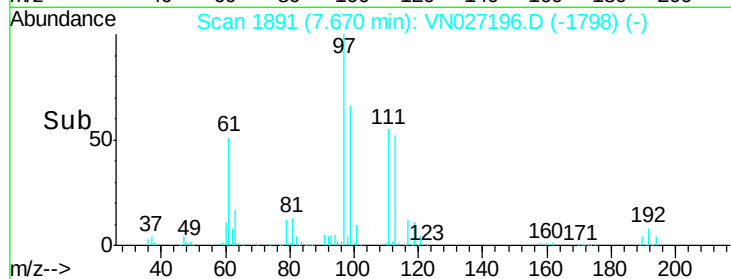
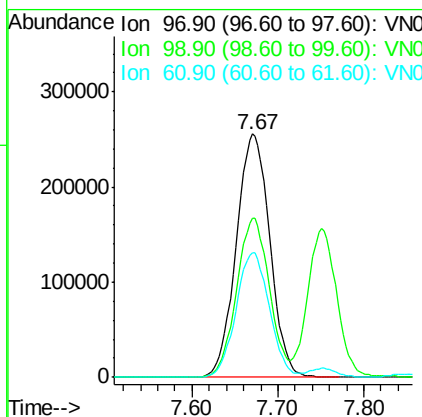
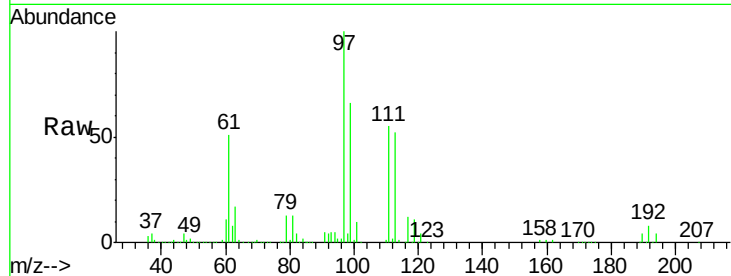
#33
 1,1,1-Trichloroethane
 Concen: 53.29 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Lower	Upper
97	100		
99	64.4	50.1	75.1
61	50.9	44.0	66.0

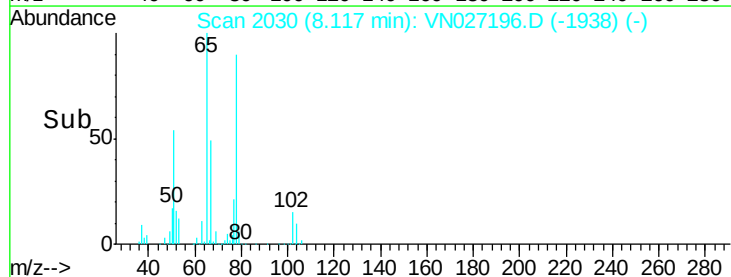
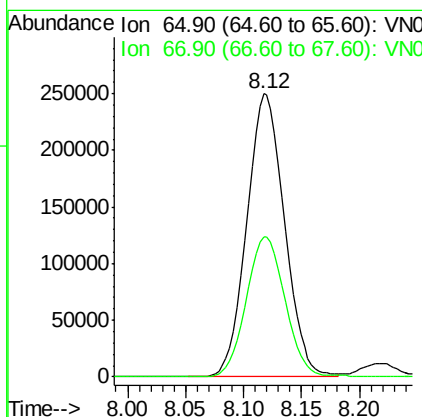
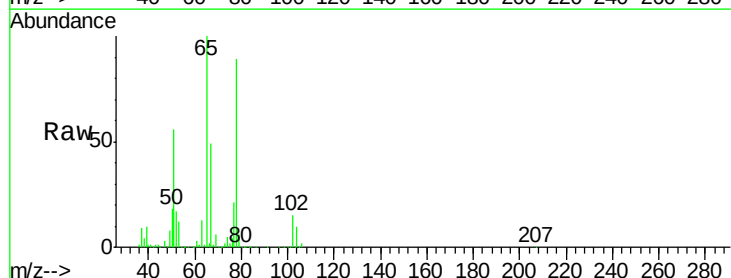
Manual Integrations
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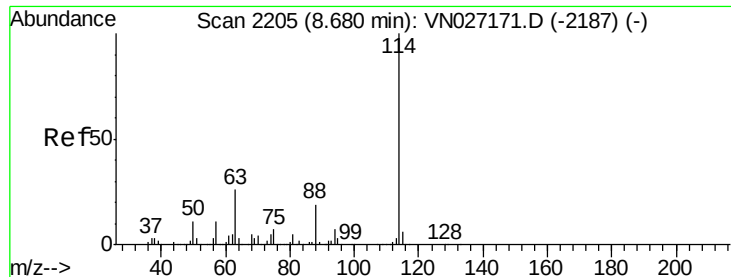
MMDadoda
 9/16/2015 11:48:13 AM



#34
 1,2-Dichloroethane-d4
 Concen: 54.09 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	110.6





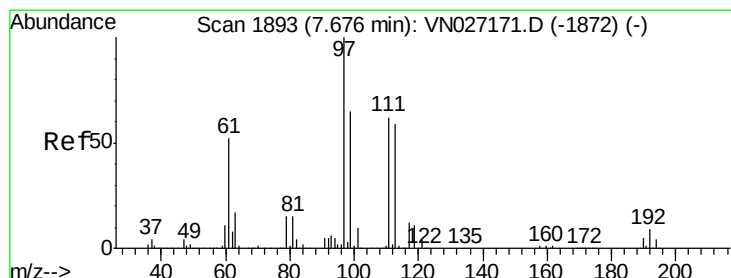
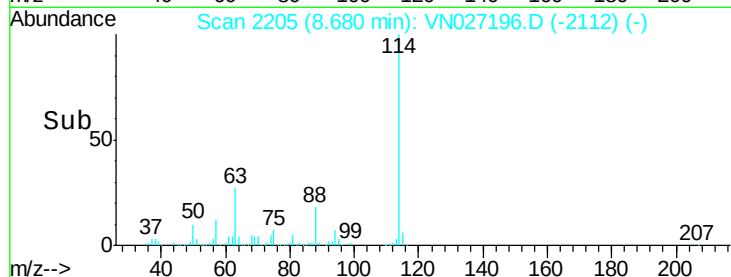
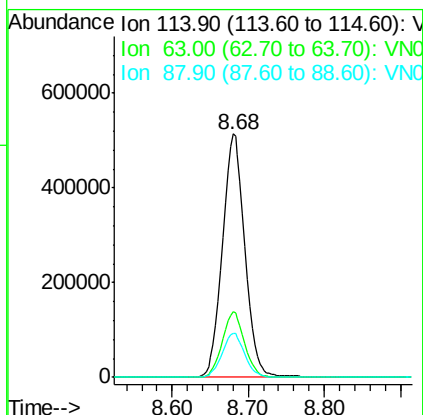
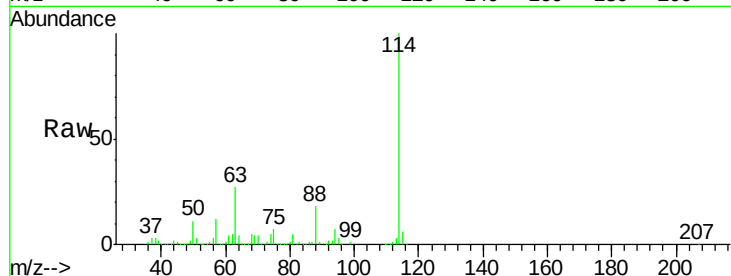
#35
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.68 min Scan# 2205
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	0.0	48.8
88	18.3	0.0	32.2

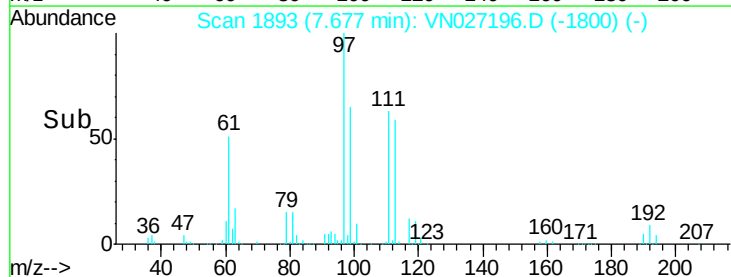
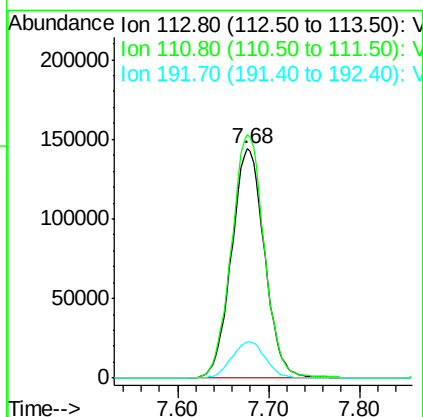
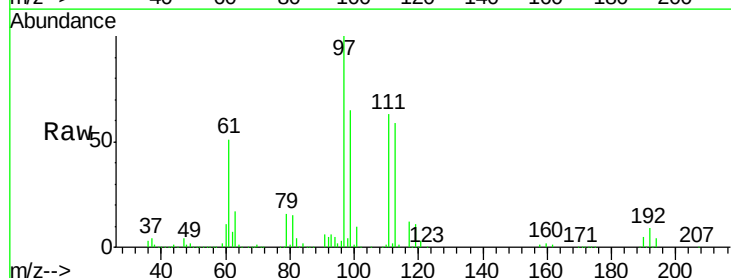
Manual Integrations
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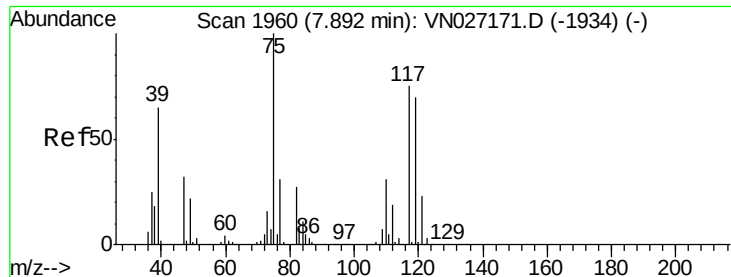
MMDadoda
 9/16/2015 11:48:13 AM



#36
 Dibromofluoromethane
 Concen: 49.37 ug/l
 RT: 7.68 min Scan# 1893
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
113	100		
111	106.0	83.0	124.4
192	16.4	14.1	21.1





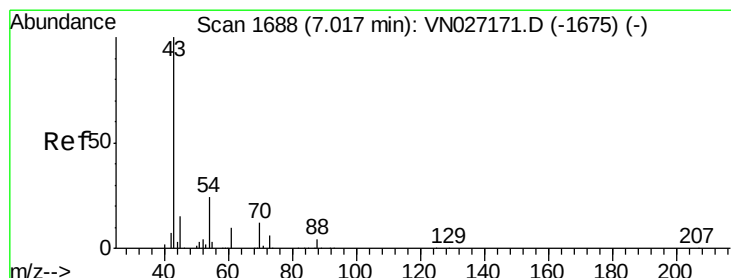
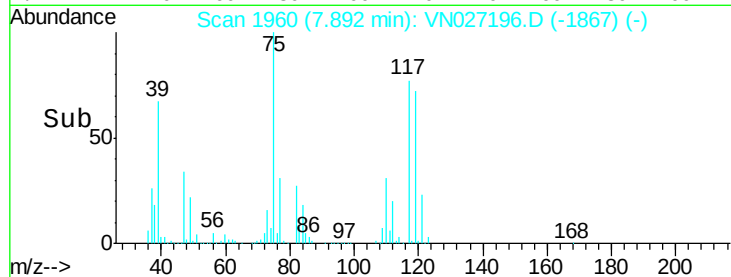
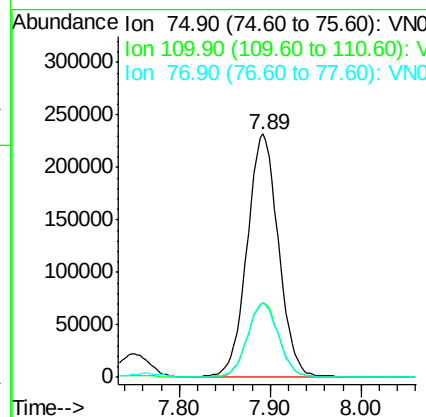
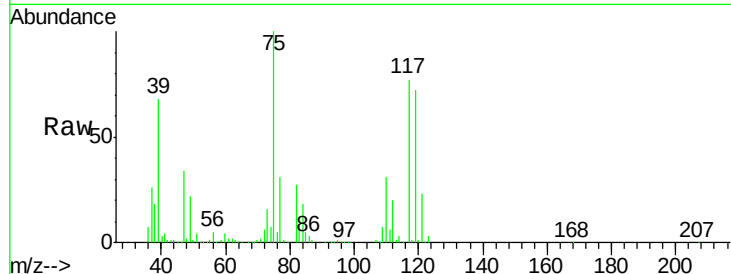
#37
 1,1-Dichloropropene
 Concen: 44.60 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Lower	Upper
75	100		
110	30.6	15.9	47.7
77	30.5	24.9	37.3

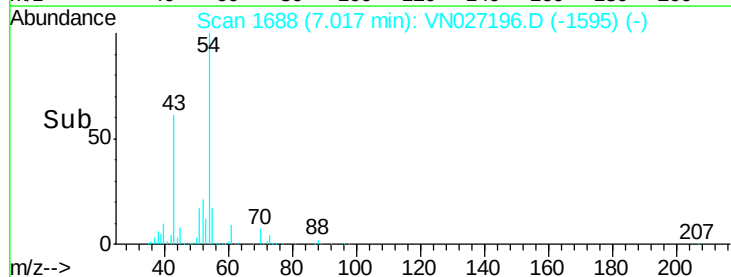
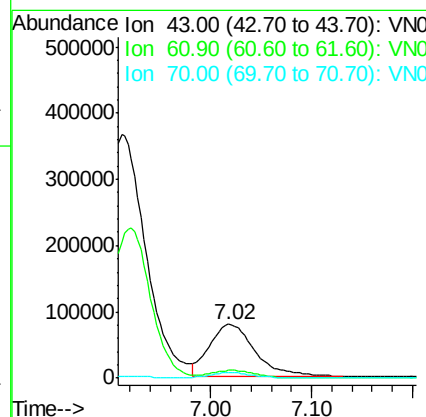
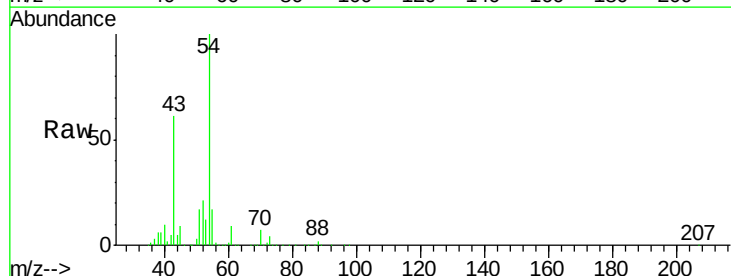
Manual Integrations
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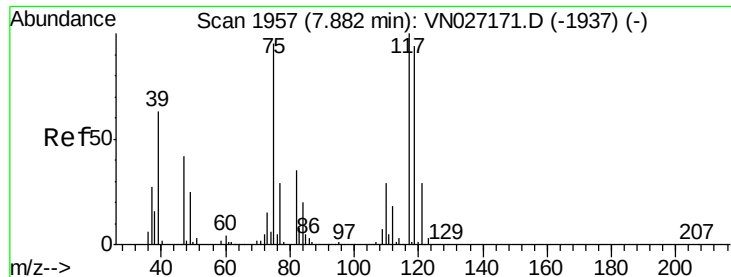
MMDadoda
 9/16/2015 11:48:13 AM



#38
 Ethyl Acetate
 Concen: 22.95 ug/l
 RT: 7.02 min Scan# 1688
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.4
70	9.5	7.4	11.0





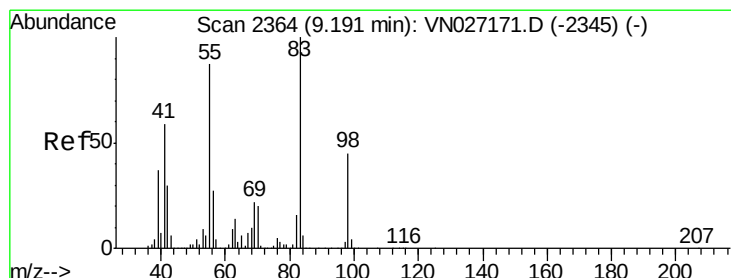
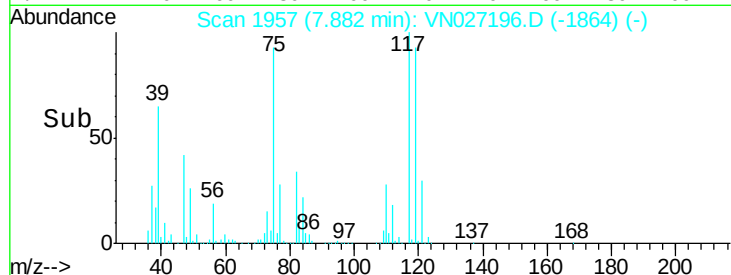
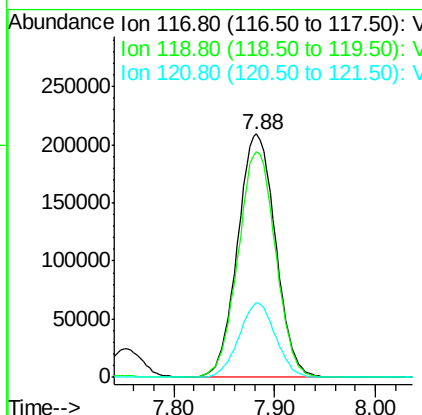
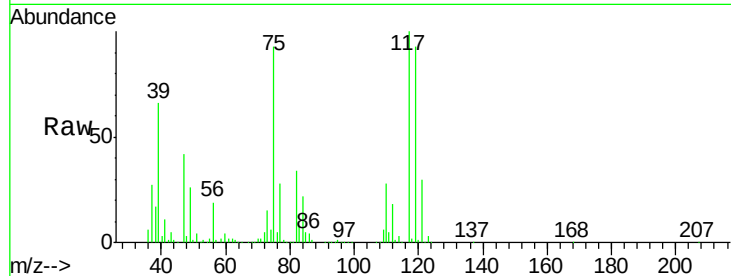
#39
Carbon Tetrachloride
Concen: 46.49 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampled :
S39-0095MSD

Tot Ion	Ratio	Lower	Upper
117	100		
119	92.6	75.3	112.9
121	30.5	23.8	35.8

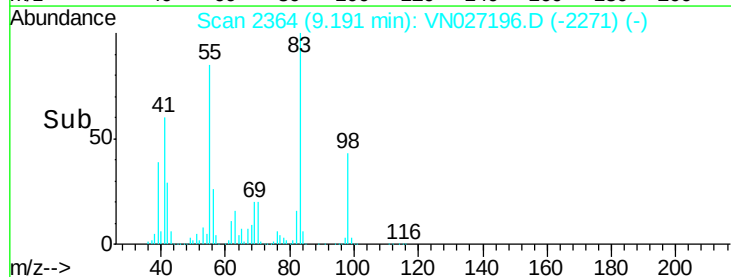
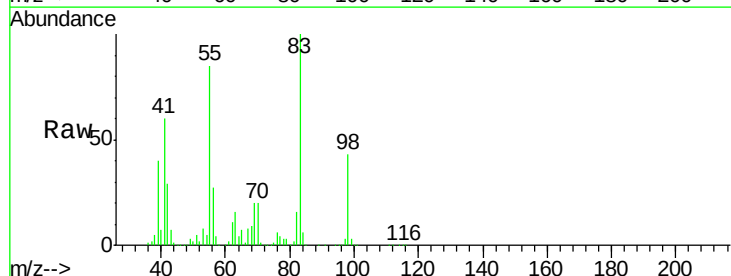
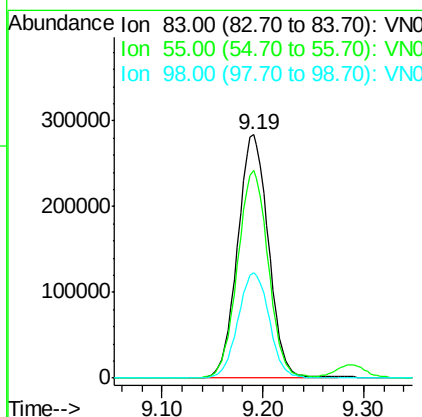
Manual Integrations
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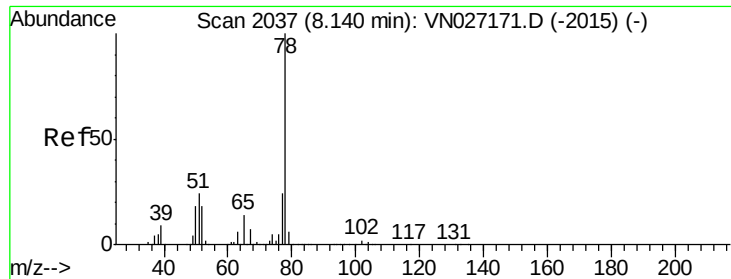
MMDadoda
9/16/2015 11:48:13 AM



#40
Methylcyclohexane
Concen: 39.87 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
83	100		
55	85.0	69.8	104.8
98	43.4	34.3	51.5





#41

Benzene

Concen: 46.27 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion: 78 Resp: 1675585

Ion Ratio Lower Upper

78 100

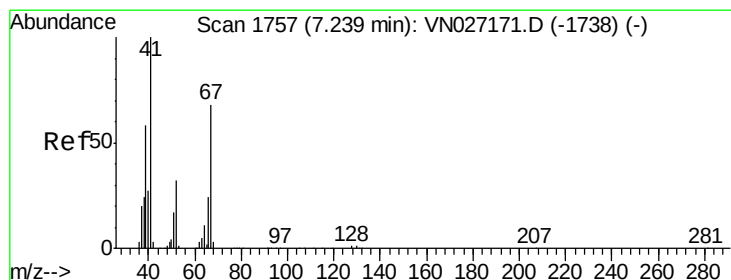
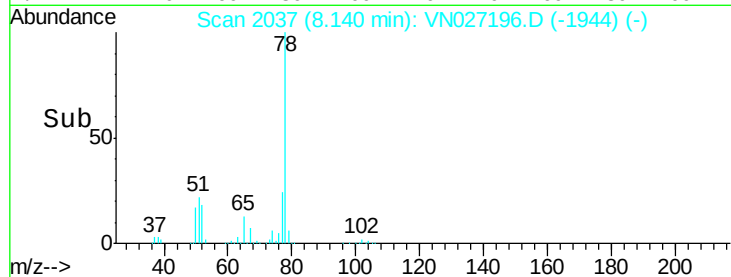
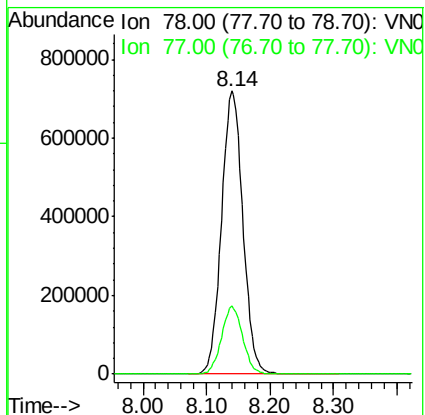
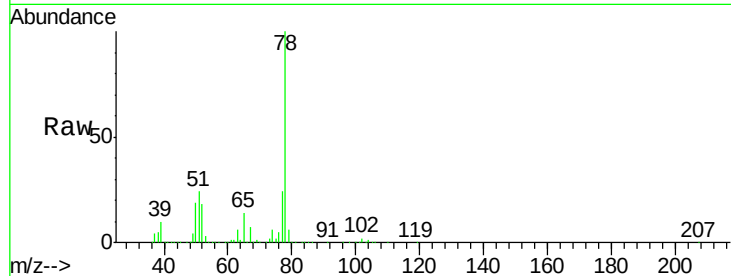
77 24.0 19.0 28.4

Manual Integrations

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MMDadoda

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#42

Methacrylonitrile

Concen: 45.53 ug/l

RT: 7.24 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Tgt Ion: 41 Resp: 273190

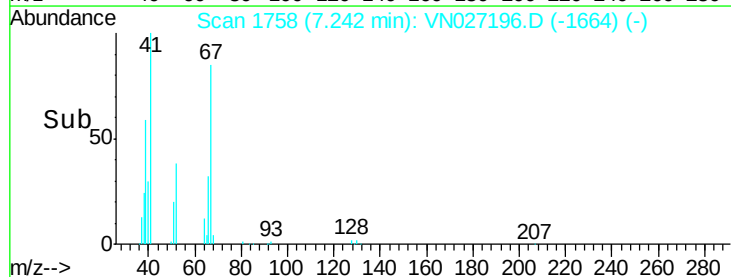
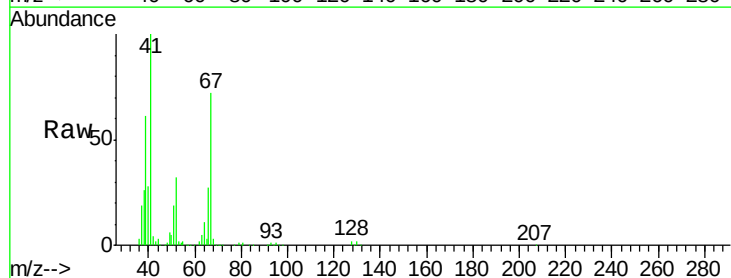
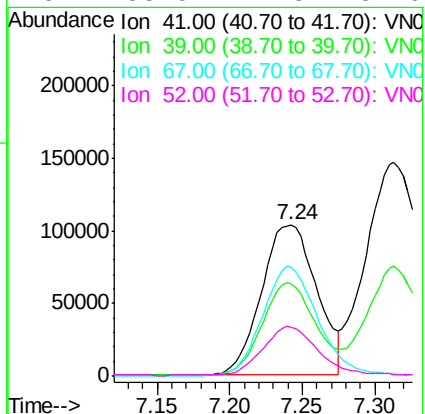
Ion Ratio Lower Upper

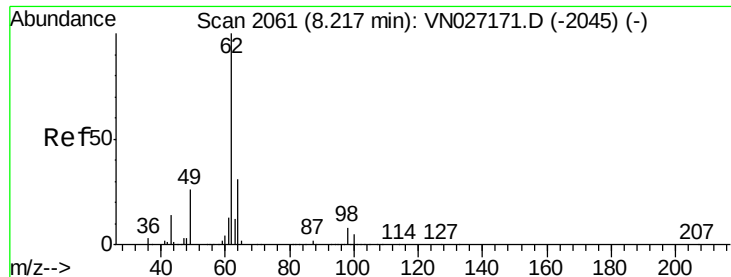
41 100

39 58.8 43.0 64.6

67 73.2 52.2 78.2

52 33.0 21.3 31.9#





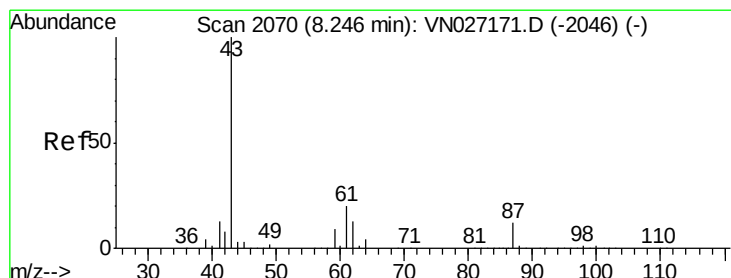
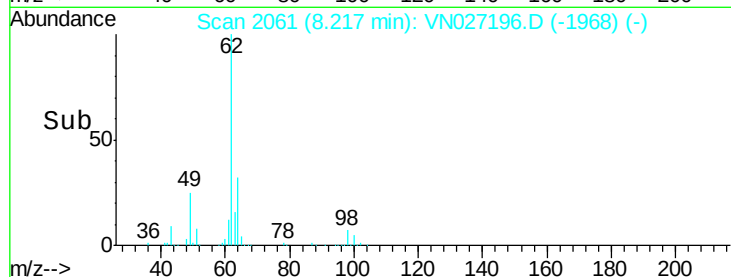
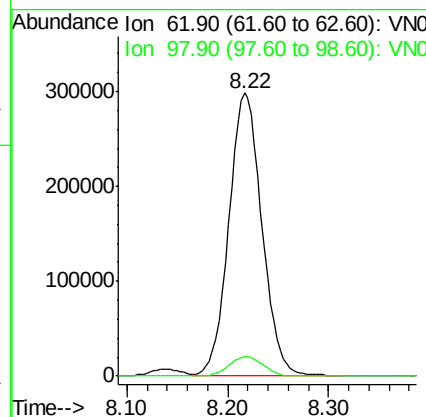
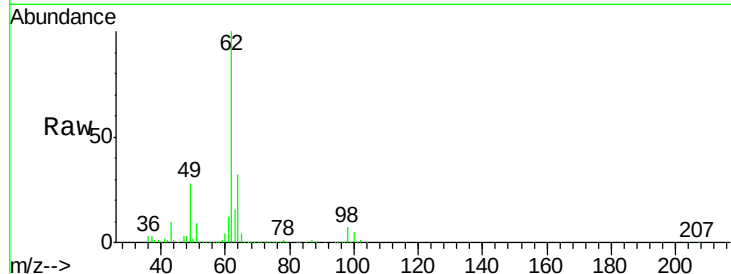
#43
 1,2-Dichloroethane
 Concen: 46.39 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
62	100	676785		
98	7.2	0.0	18.0	

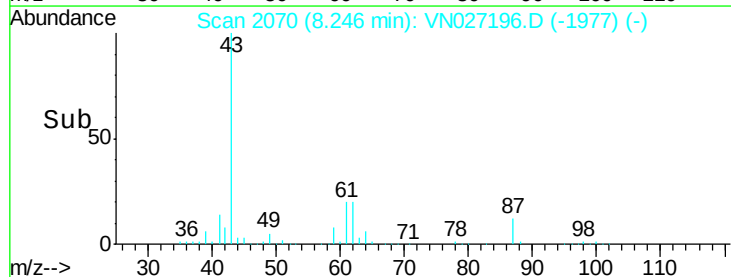
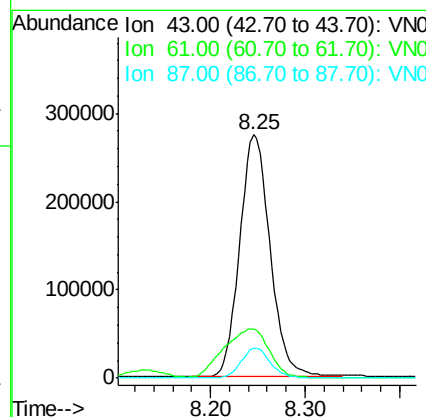
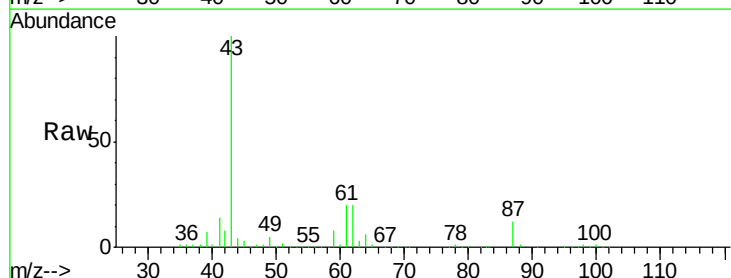
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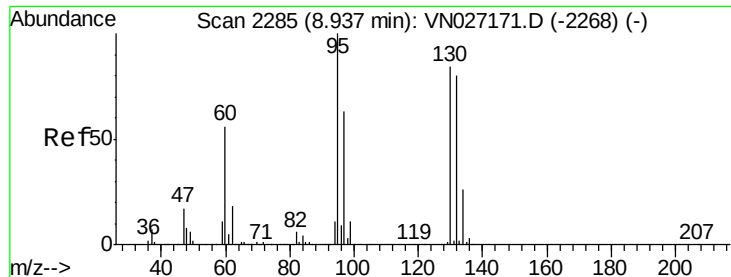
MMDadoda
 9/16/2015 11:48:13 AM



#44
 Isopropyl Acetate
 Concen: 31.00 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	614895		
61	30.1	20.6	31.0	
87	11.9	8.6	13.0	





#45

Trichloroethene

Concen: 50.73 ug/l

RT: 8.93 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion:130 Resp: 369025

Ion Ratio Lower Upper

130 100

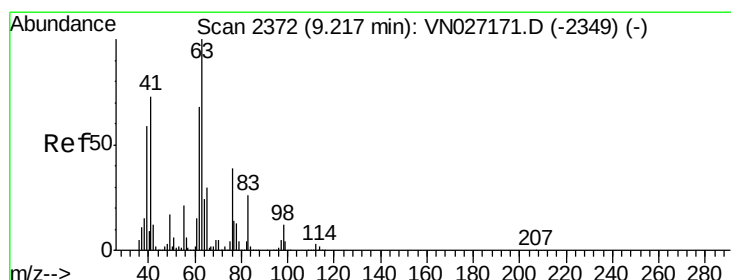
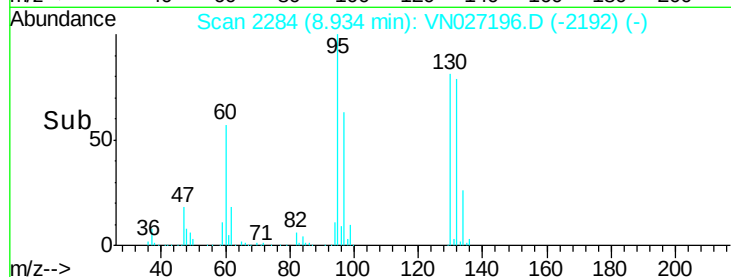
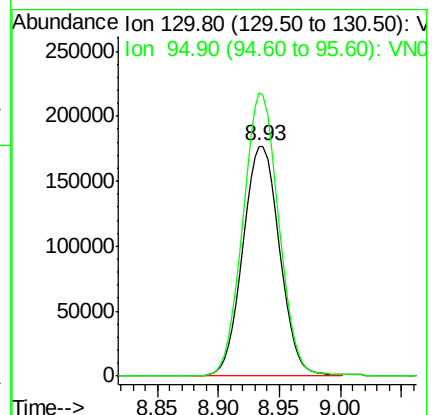
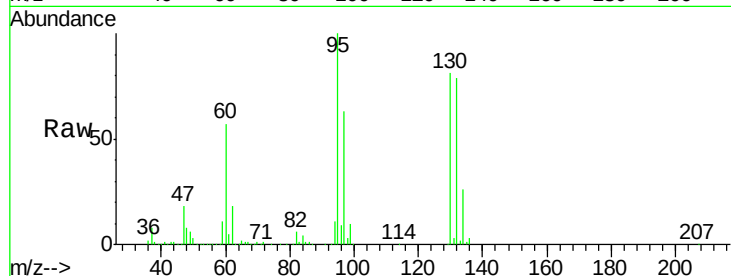
95 123.1 0.0 222.2

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#46

1,2-Dichloropropane

Concen: 45.26 ug/l

RT: 9.21 min Scan# 2371

Delta R.T. -0.00 min

Lab File: VN027196.D

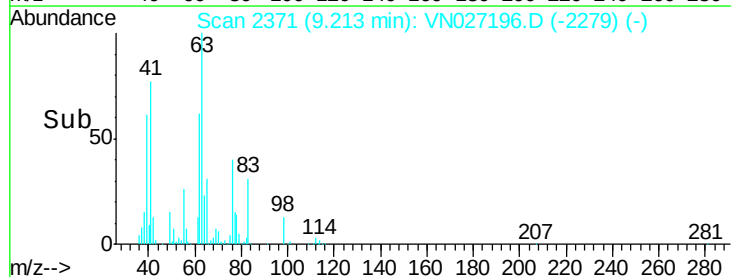
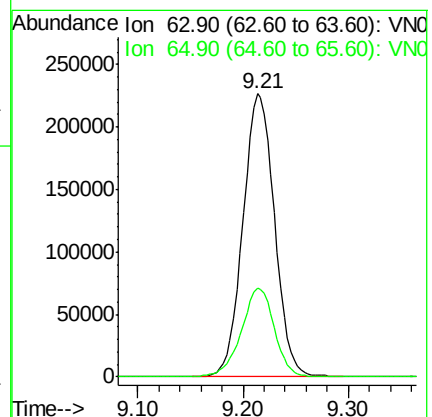
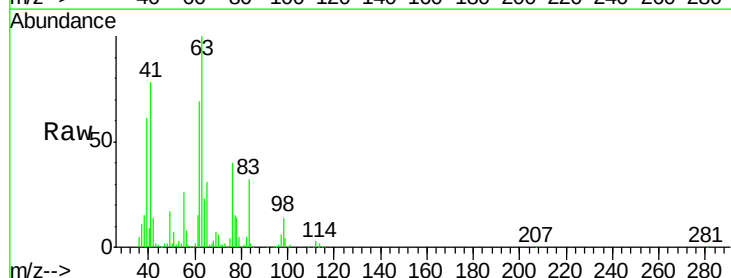
Acq: 16 Sep 2015 7:11

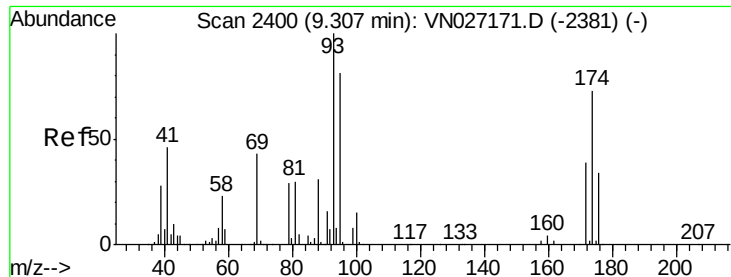
Tgt Ion: 63 Resp: 471513

Ion Ratio Lower Upper

63 100

65 31.2 24.4 36.6





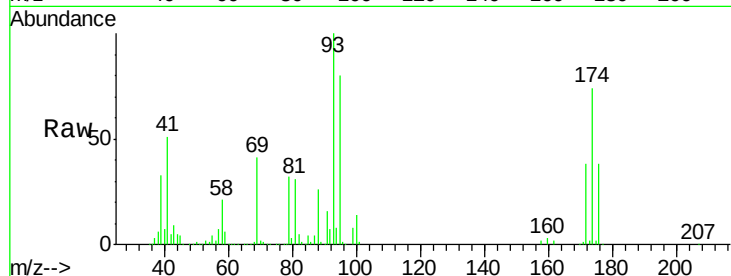
#47
 Dibromomethane
 Concen: 45.61 ug/l
 RT: 9.31 min Scan# 2400
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

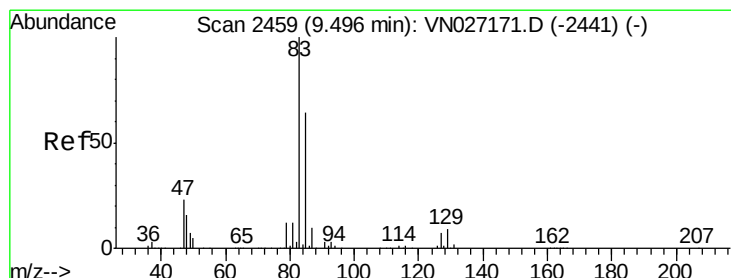
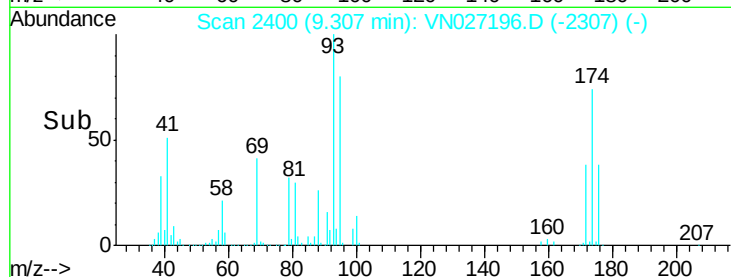
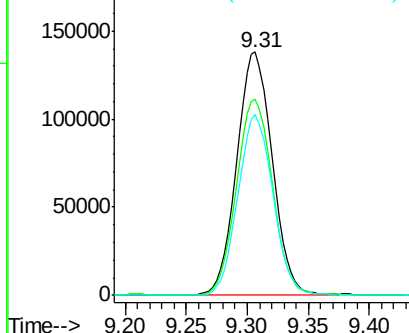
Tot Ion	Ratio	Lower	Upper
93	100		
95	82.0	66.3	99.5
174	73.5	67.8	101.6

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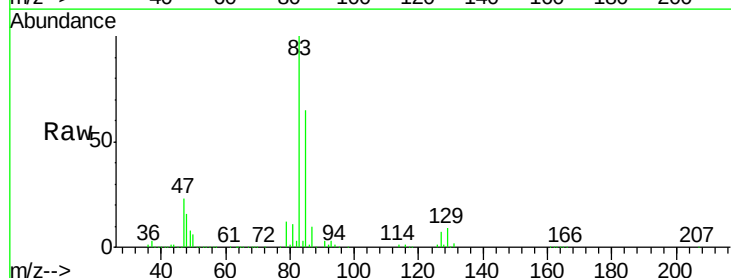


Abundance Ion 92.80 (92.50 to 93.50): VN0
 Ion 94.80 (94.50 to 95.50): VN0
 Ion 173.70 (173.40 to 174.40): V

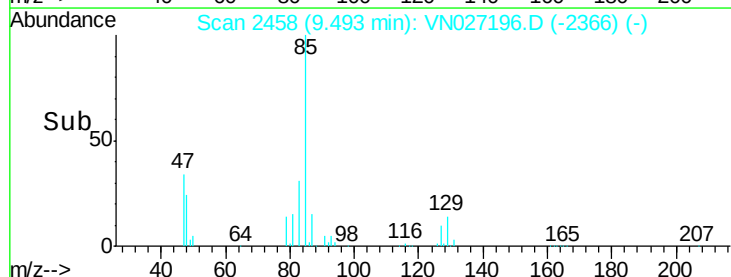
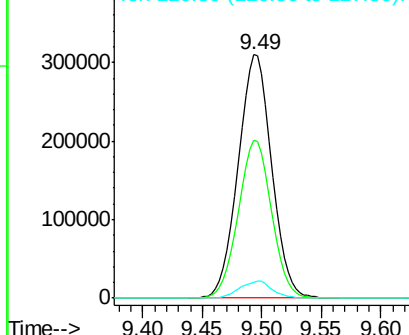


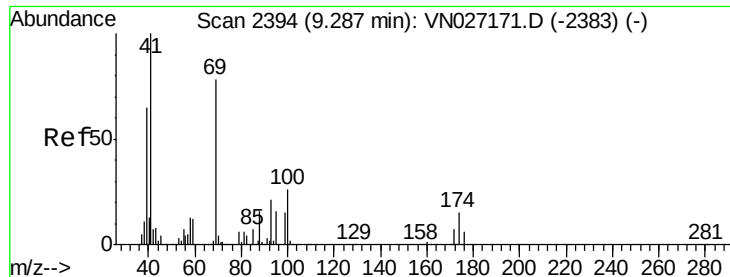
#48
 Bromodichloromethane
 Concen: 46.97 ug/l
 RT: 9.49 min Scan# 2458
 Delta R.T. -0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	50.7	76.1
127	6.7	5.5	8.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 126.80 (126.50 to 127.50): V





#49

Methvl methacrylate

Concen: 44.19 ug/l

RT: 9.29 min Scan# 2394

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion: 41 Resp: 436703

Ion Ratio Lower Upper

41 100

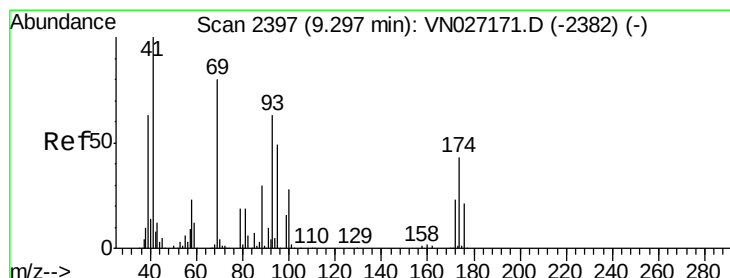
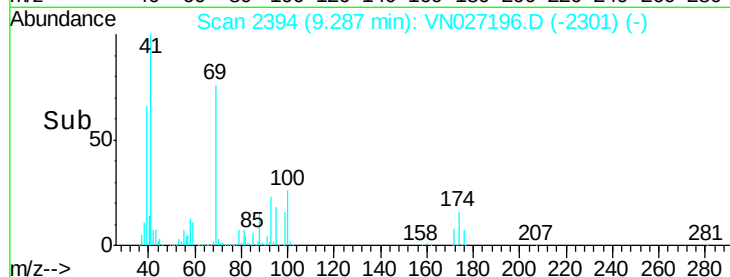
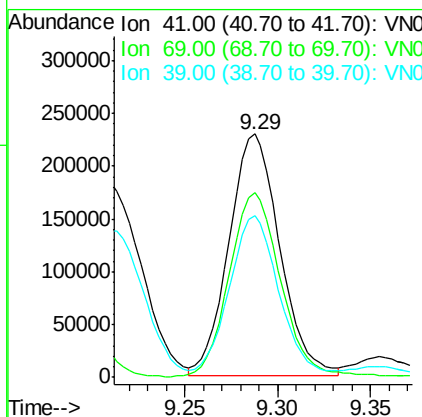
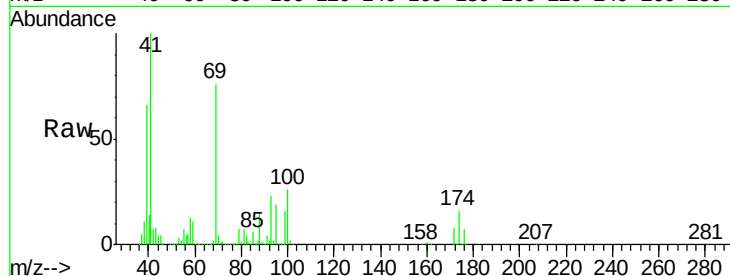
69 77.3 59.3 88.9

39 65.4 39.5 59.3#

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#50

1,4-Dioxane

Concen: 820.26 ug/l

RT: 9.30 min Scan# 2397

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

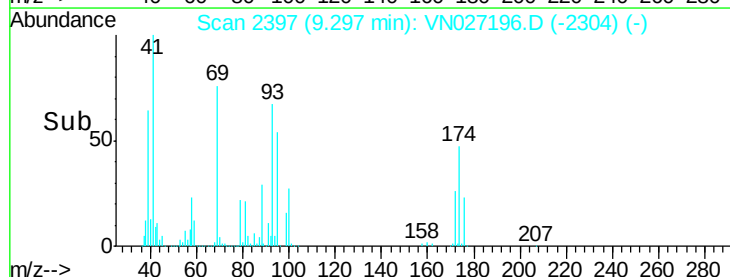
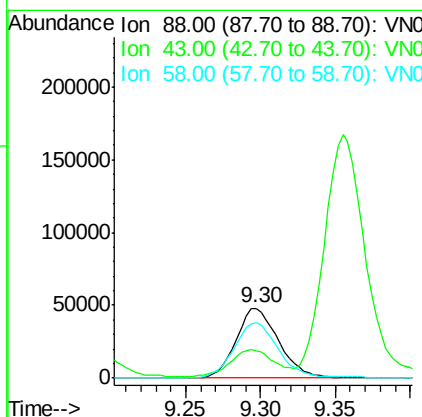
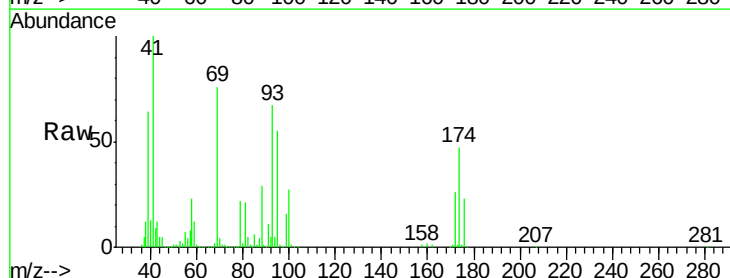
Tgt Ion: 88 Resp: 95062

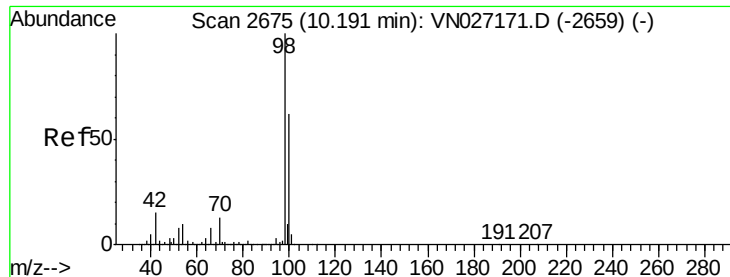
Ion Ratio Lower Upper

88 100

43 40.7 27.6 41.4

58 82.8 63.1 94.7





#51

Toluene-d8

Concen: 48.04 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampled :

S39-0095MSD

Tot Ion: 98 Resp: 1382285

Ion Ratio Lower Upper

98 100

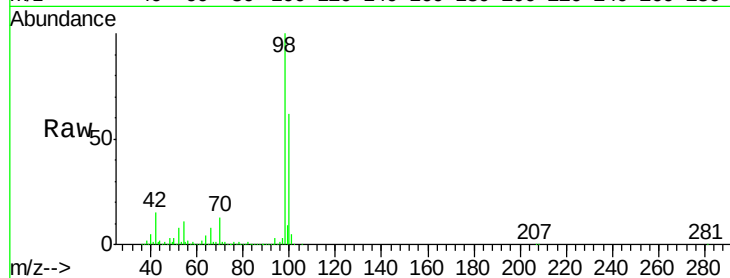
100 62.3 50.5 75.7

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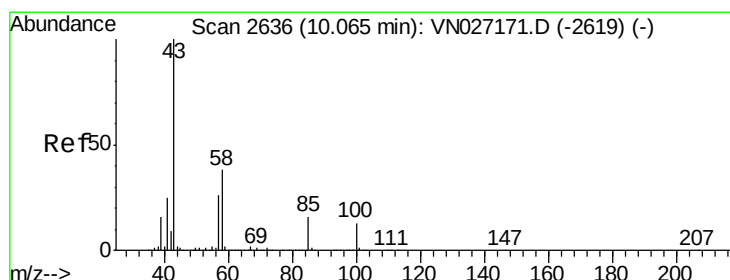
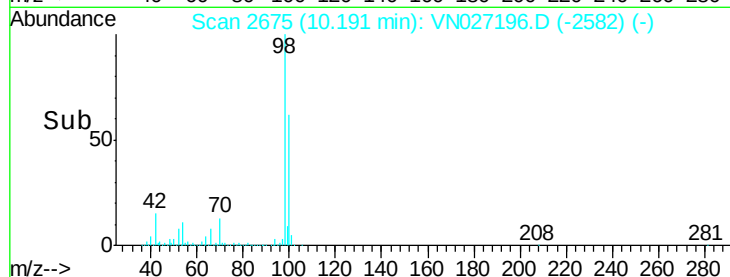
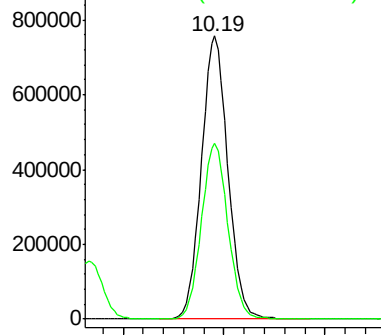
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Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#52

4-Methyl-2-Pentanone

Concen: 219.69 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027196.D

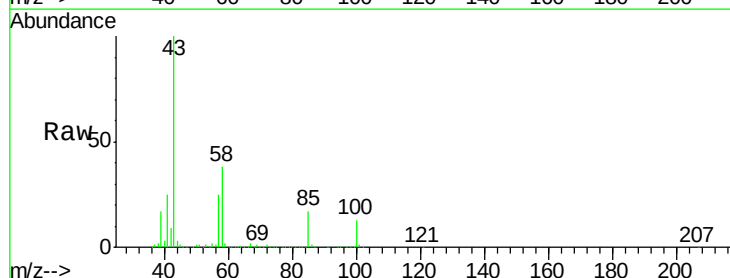
Acq: 16 Sep 2015 7:11

Tgt Ion: 43 Resp: 2303739

Ion Ratio Lower Upper

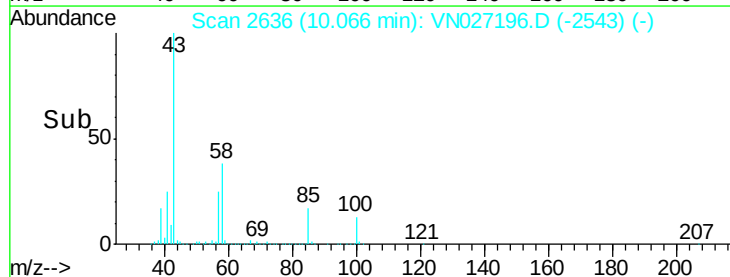
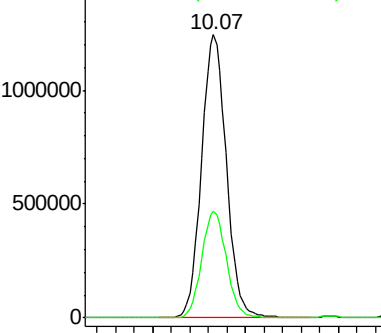
43 100

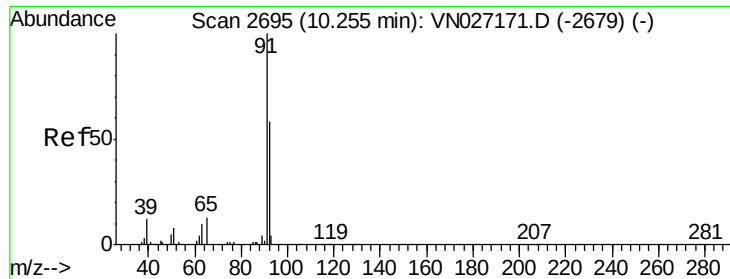
58 37.7 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#53

Toluene

Concen: 45.38 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampled :

S39-0095MSD

Tot Ion: 92 Resp: 962675

Ion Ratio Lower Upper

92 100

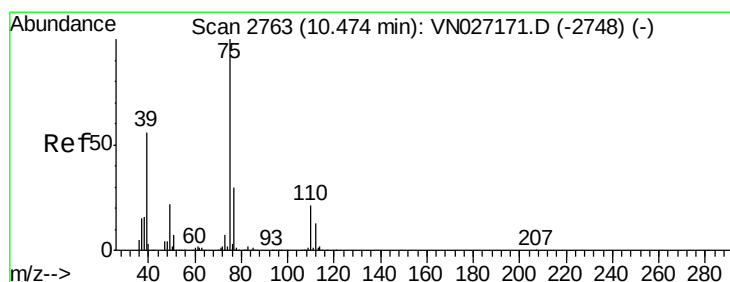
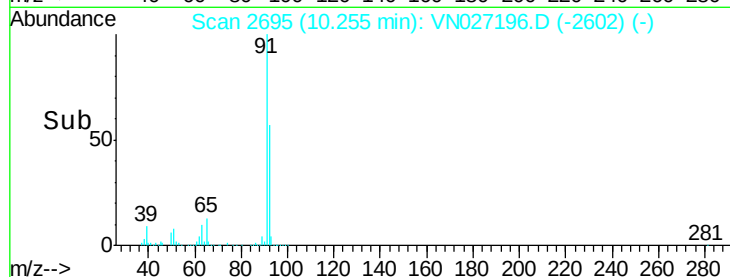
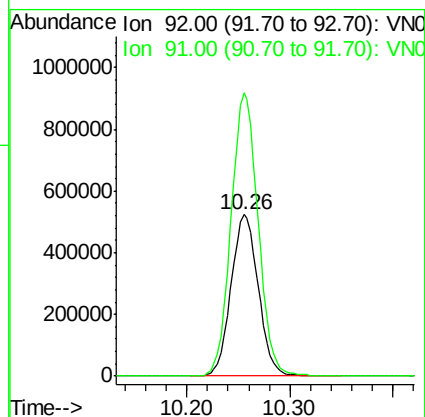
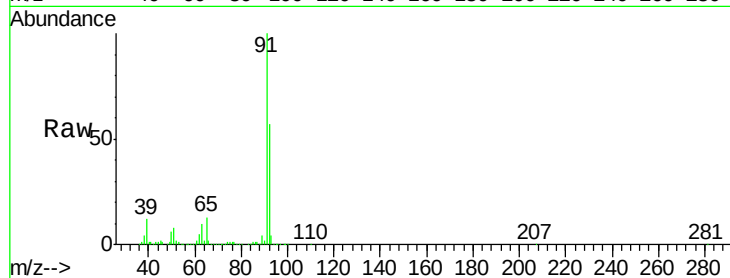
91 174.2 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 31.61 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027196.D

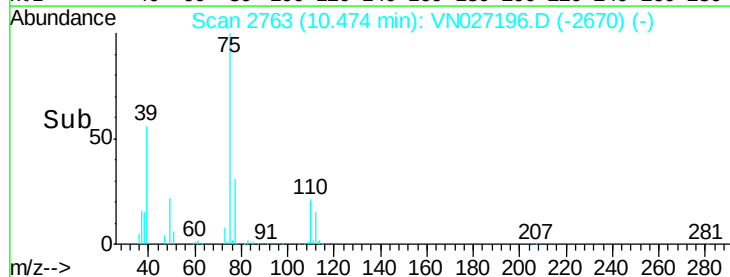
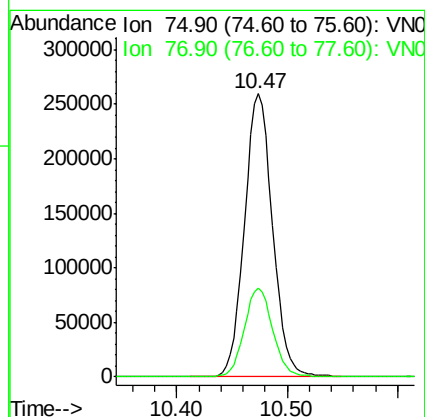
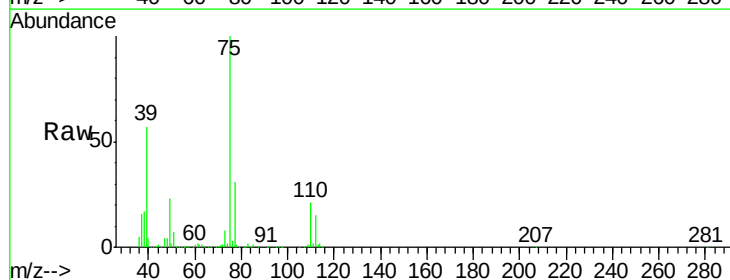
Acq: 16 Sep 2015 7:11

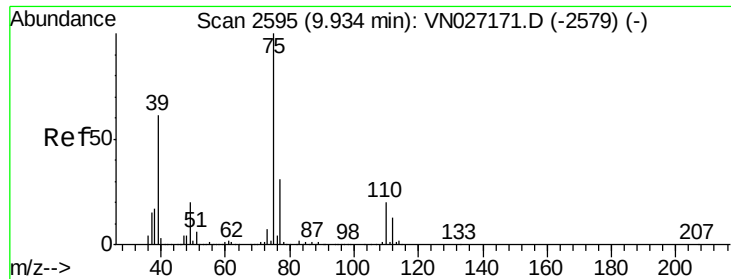
Tgt Ion: 75 Resp: 457667

Ion Ratio Lower Upper

75 100

77 31.0 25.4 38.2





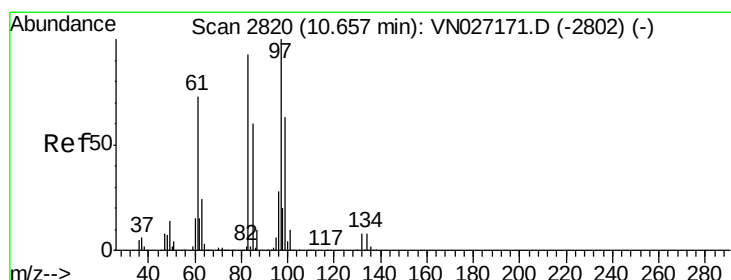
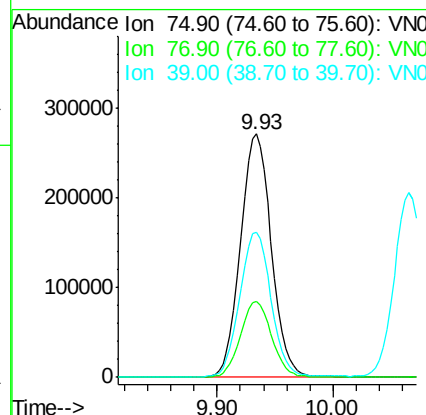
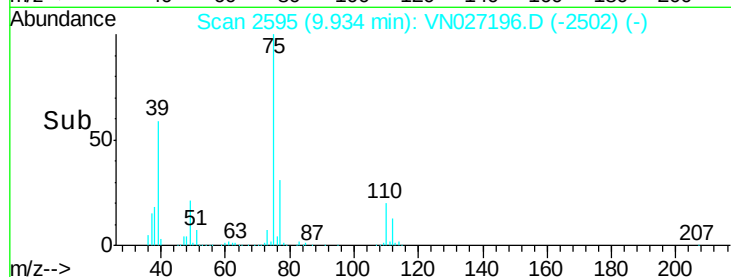
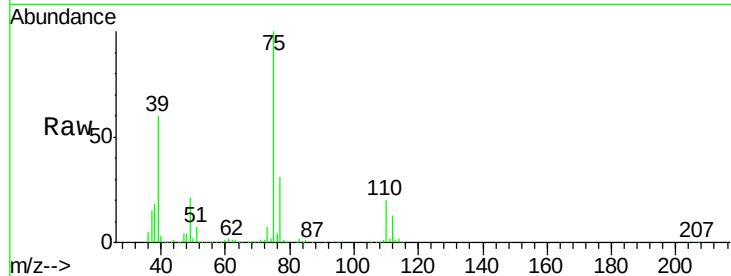
#55
 cis-1,3-Dichloropropene
 Concen: 31.85 ug/l
 RT: 9.93 min Scan# 2595
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.6	38.4
39	59.5	41.6	62.4

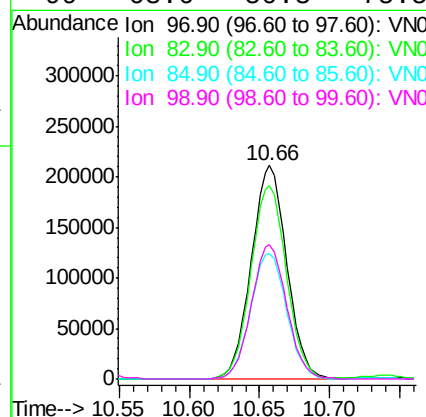
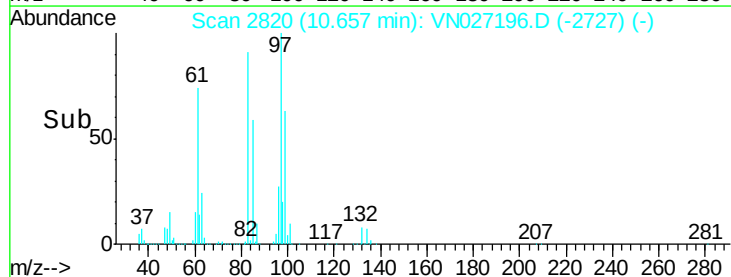
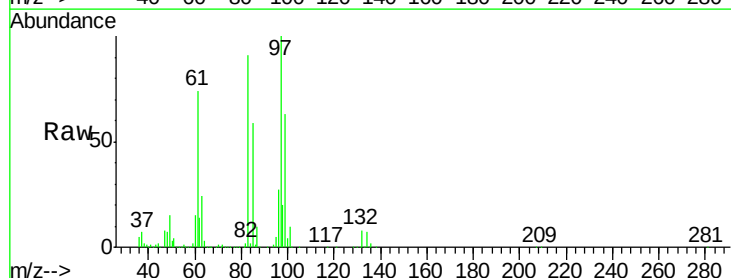
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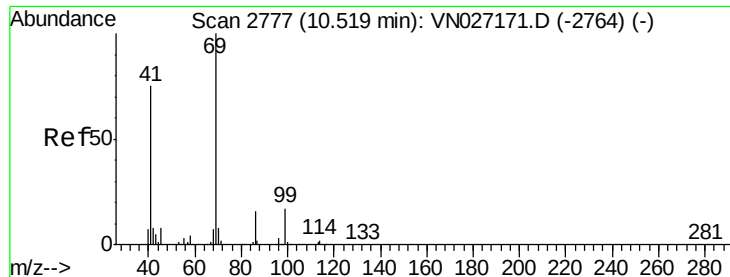
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#56
 1,1,2-Trichloroethane
 Concen: 46.71 ug/l
 RT: 10.66 min Scan# 2820
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.8	75.0	112.4
85	58.7	48.0	72.0
99	63.0	50.3	75.5





#57

Ethyl methacrylate

Concen: 44.68 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion: 69 Resp: 600192
Ion Ratio Lower Upper

69 100

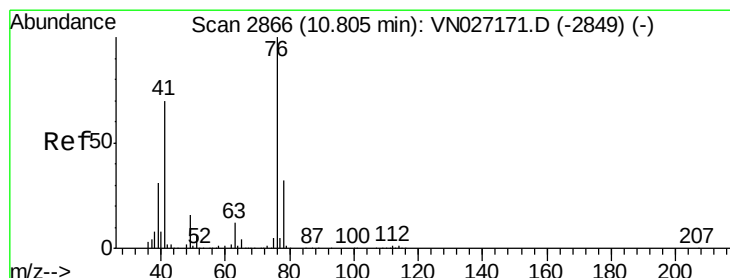
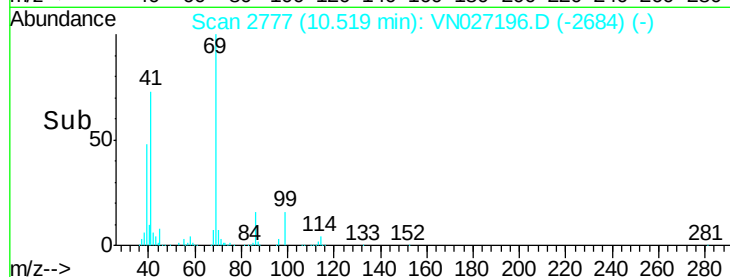
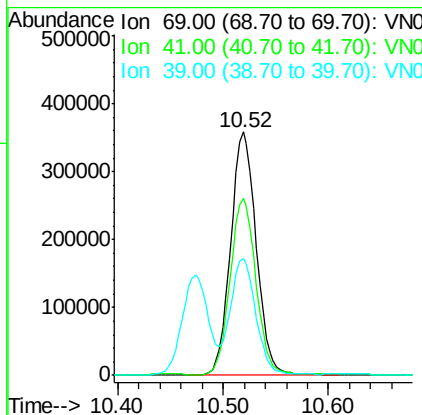
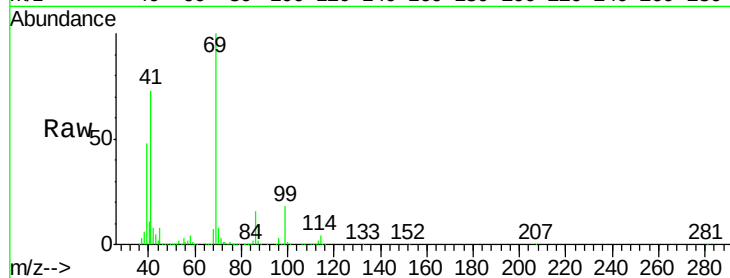
41 72.9 61.3 91.9

39 47.2 28.4 42.6#

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#58

1,3-Dichloropropane

Concen: 46.39 ug/l

RT: 10.80 min Scan# 2865

Delta R.T. -0.00 min

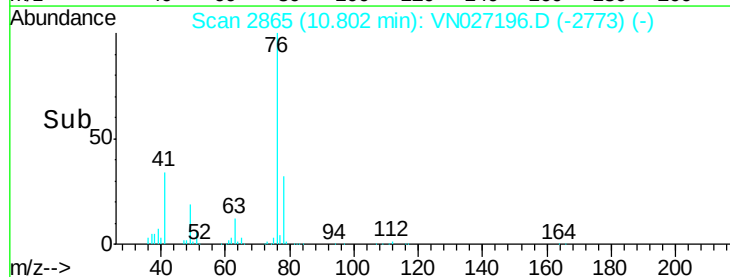
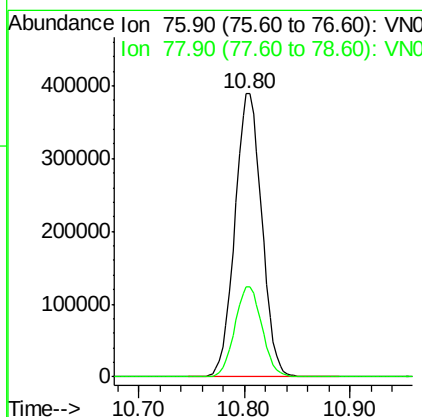
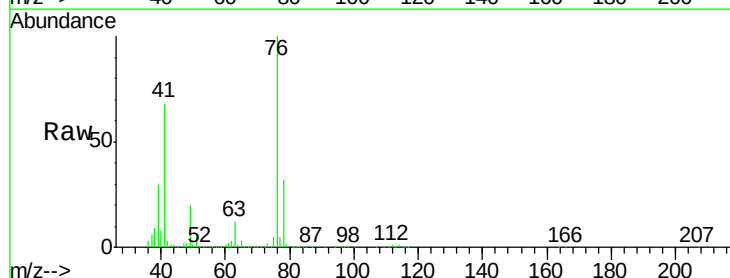
Lab File: VN027196.D

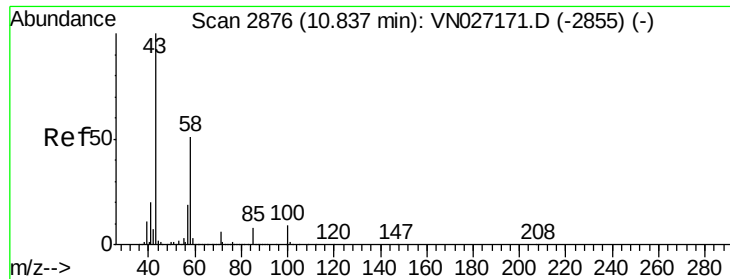
Acq: 16 Sep 2015 7:11

Tgt Ion: 76 Resp: 686544
Ion Ratio Lower Upper

76 100

78 32.3 25.0 37.6





#60

2-Hexanone

Concen: 215.84 ug/l

RT: 10.84 min Scan# 2876

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion: 43 Resp: 1541008

Ion Ratio Lower Upper

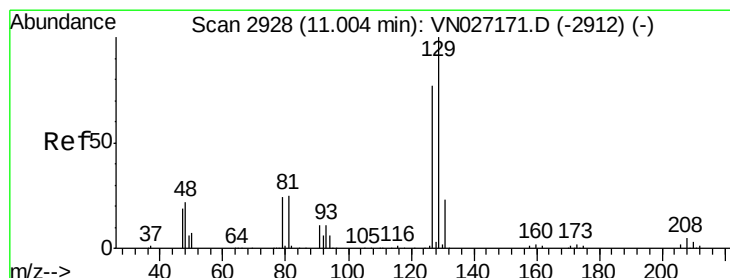
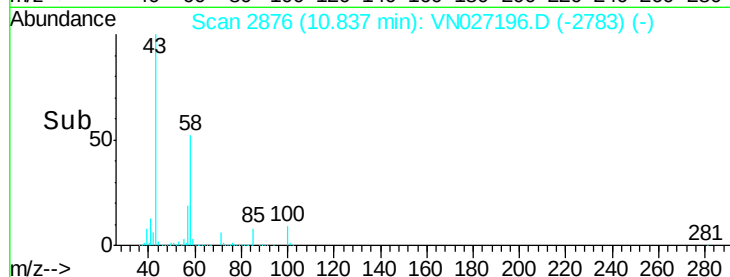
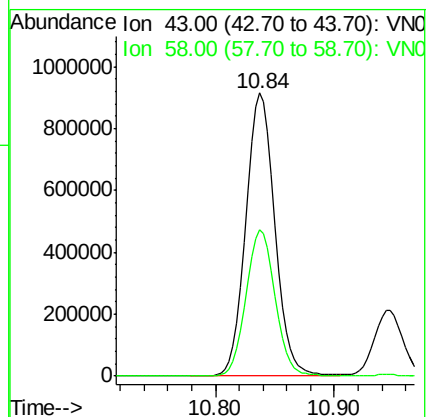
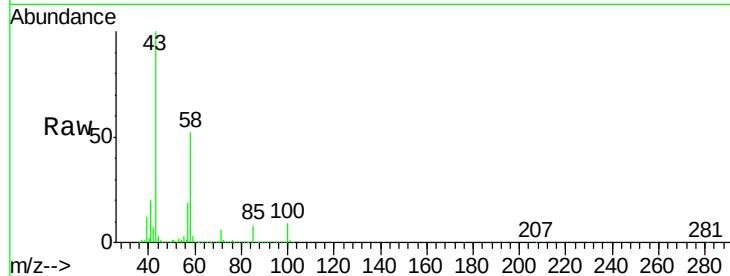
43 100

58 52.1 26.2 78.5

Manual Integrations
APPROVED

MMDadoda

9/16/2015 11:48:13 AM



#61

Dibromochloromethane

Concen: 46.56 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VN027196.D

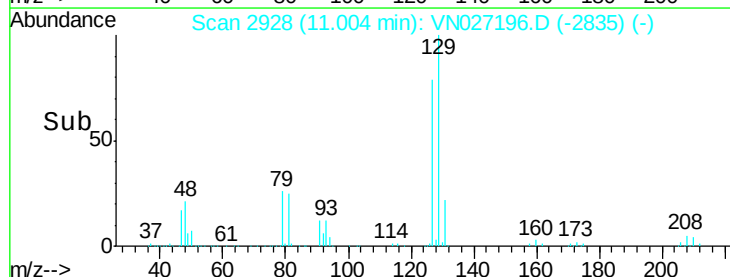
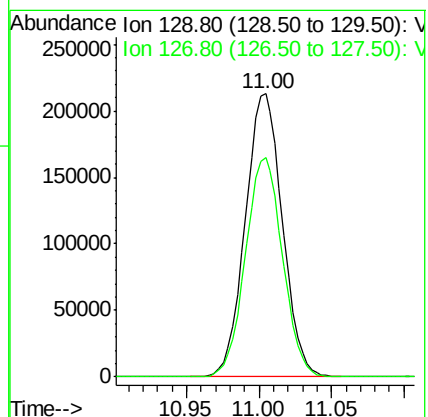
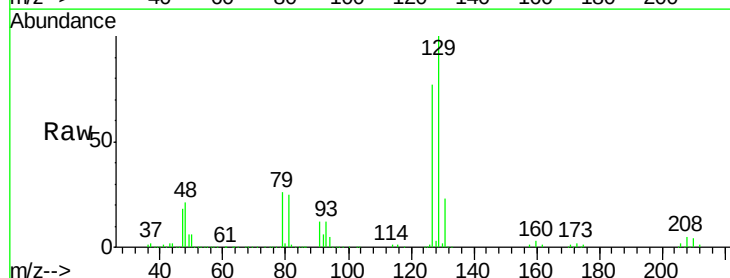
Acq: 16 Sep 2015 7:11

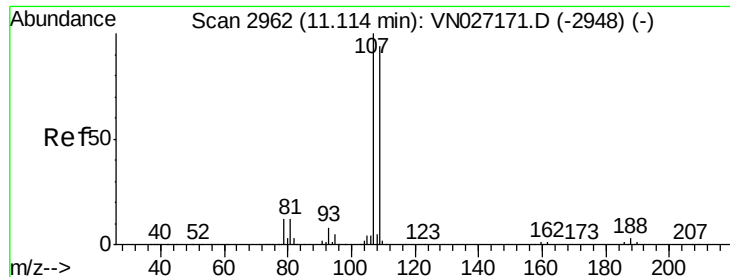
Tgt Ion: 129 Resp: 379074

Ion Ratio Lower Upper

129 100

127 77.5 39.1 117.2





#62

1,2-Dibromoethane

Concen: 45.47 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MSD

Tot Ion: 107 Resp: 356227

Ion Ratio Lower Upper

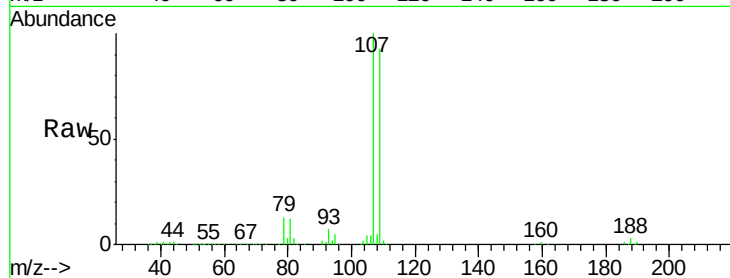
107 100

109 94.0 75.6 113.4

Manual Integrations
APPROVED

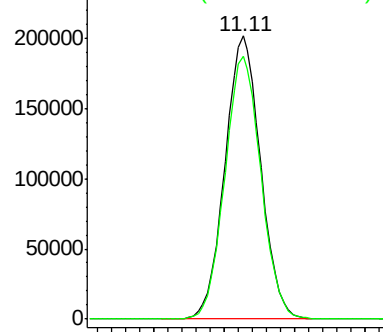
MMDadoda

9/16/2015 11:48:13 AM

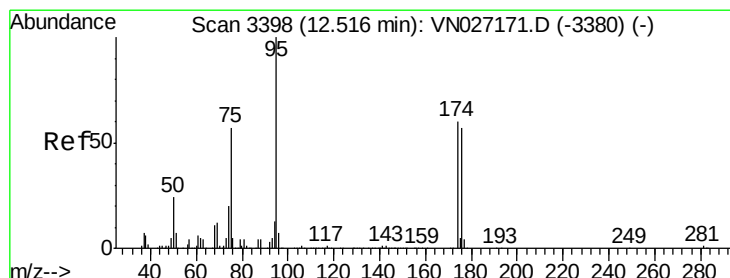
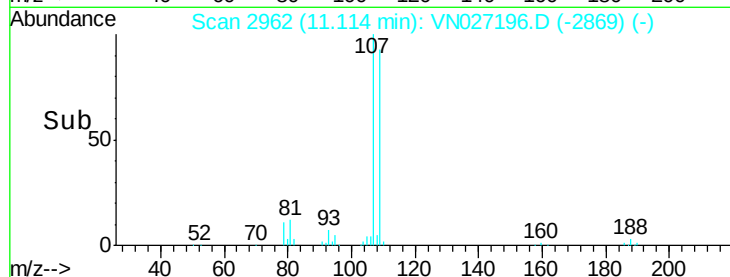


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



Time-->



#63

4-Bromofluorobenzene

Concen: 47.19 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

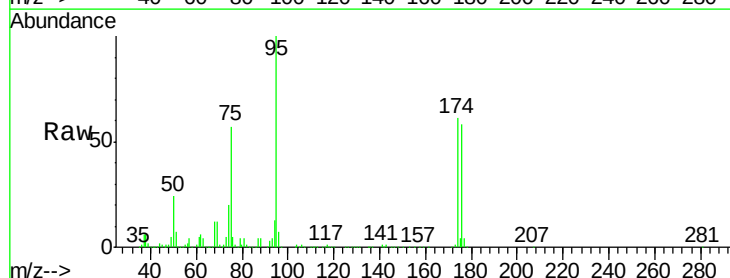
Tgt Ion: 95 Resp: 481965

Ion Ratio Lower Upper

95 100

174 61.8 0.0 137.0

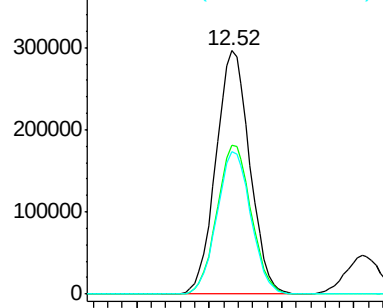
176 58.7 0.0 130.8



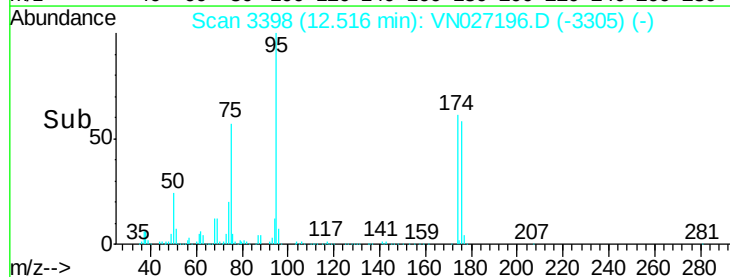
Abundance Ion 94.90 (94.60 to 95.60): VN0

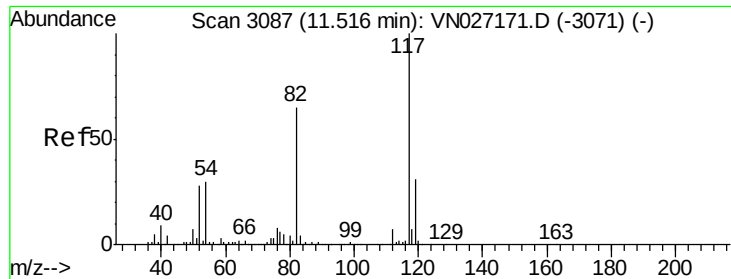
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->





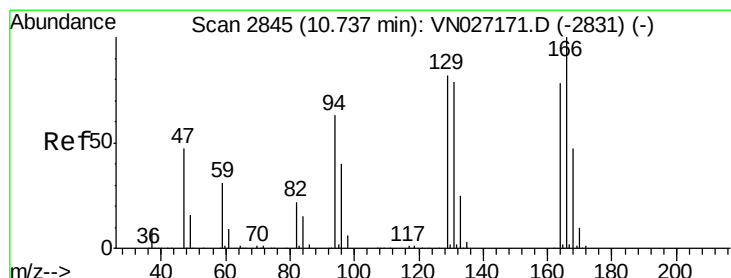
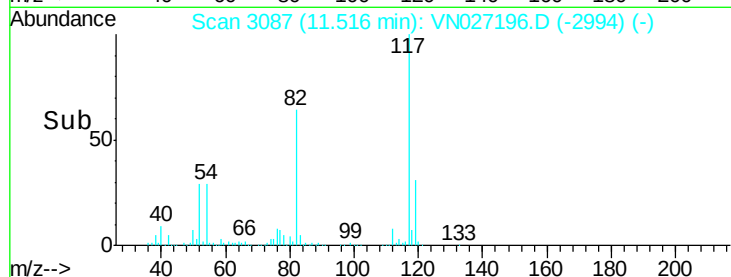
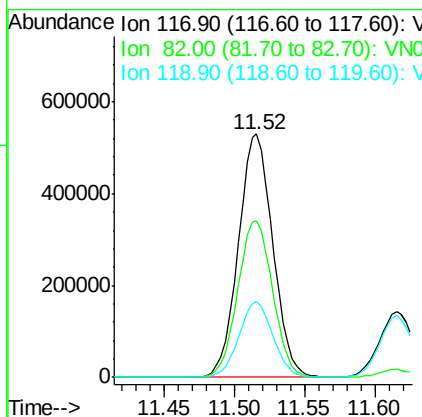
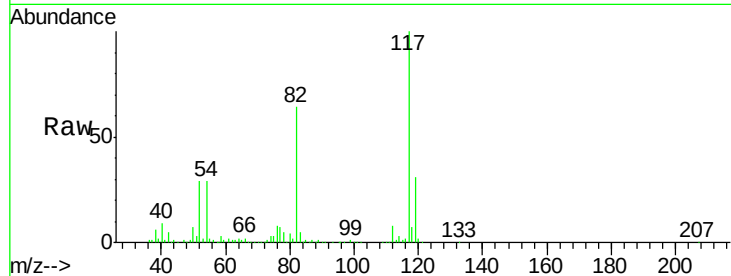
#64
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	905256		
82	64.3		49.6	74.4
119	31.0		24.6	36.8

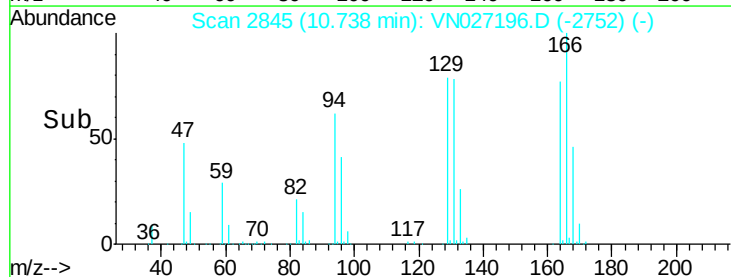
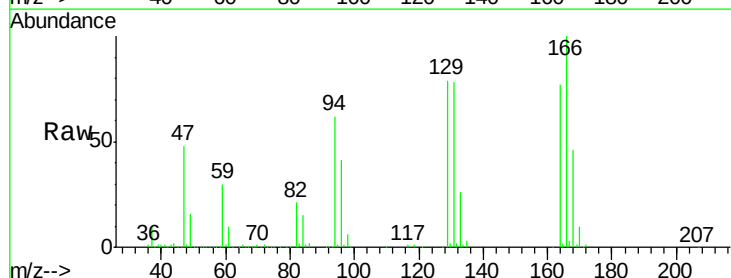
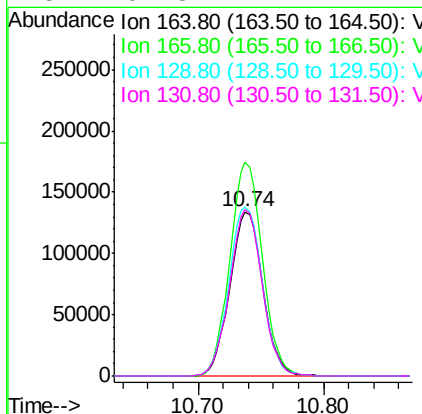
Manual Integrations
APPROVED

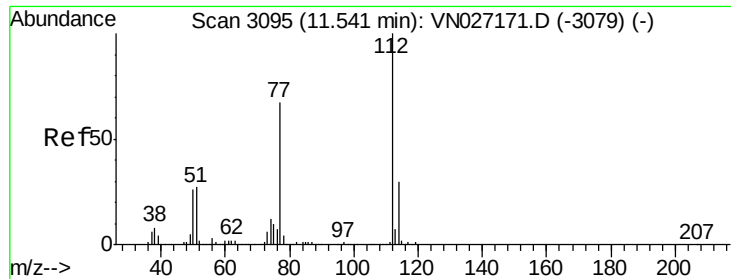
MMDadoda
9/16/2015 11:48:13 AM



#65
Tetrachloroethene
Concen: 42.29 ug/l
RT: 10.74 min Scan# 2845
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	244802		
166	130.3		103.4	155.0
129	102.8		77.5	116.3
131	101.8		74.2	111.4





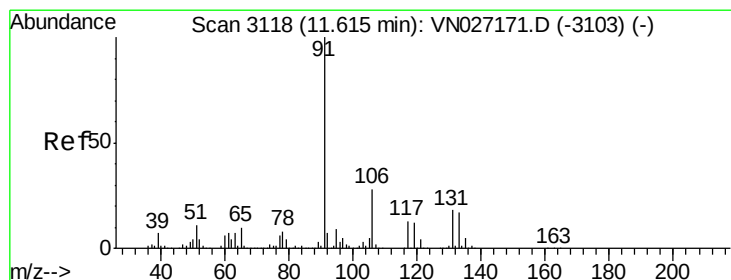
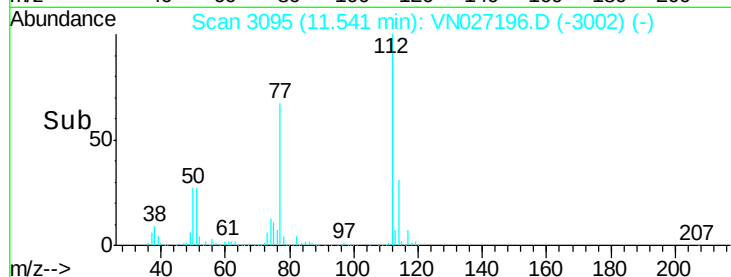
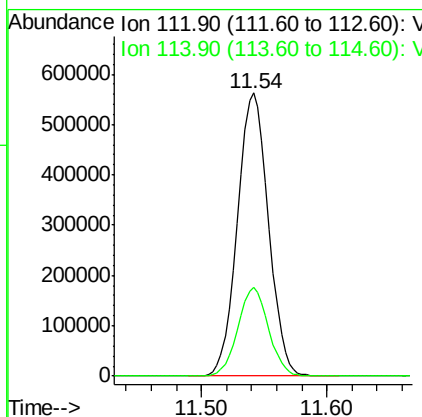
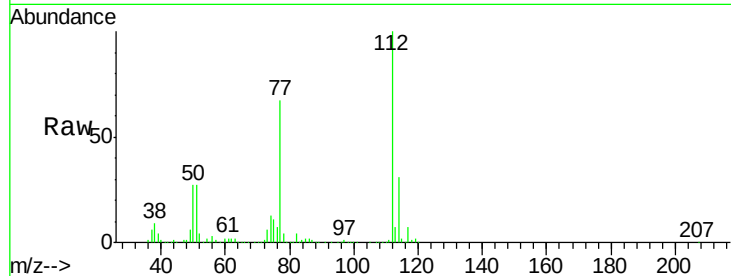
#66
Chlorobenzene
Concen: 45.21 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	24.9	37.3

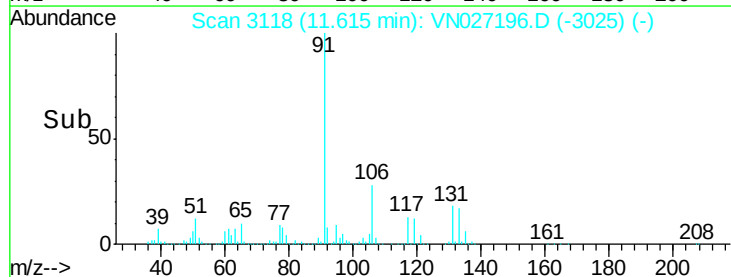
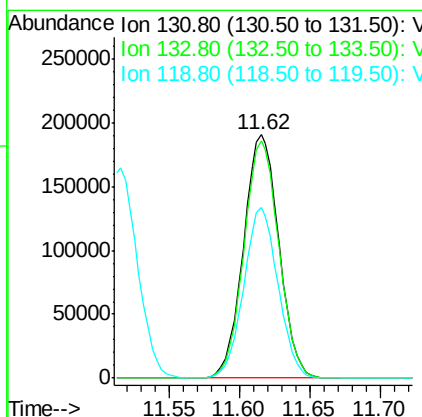
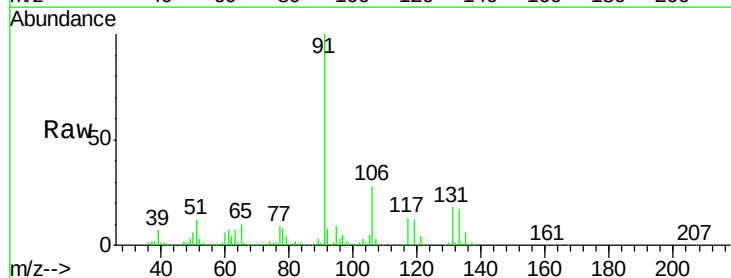
Manual Integrations
APPROVED

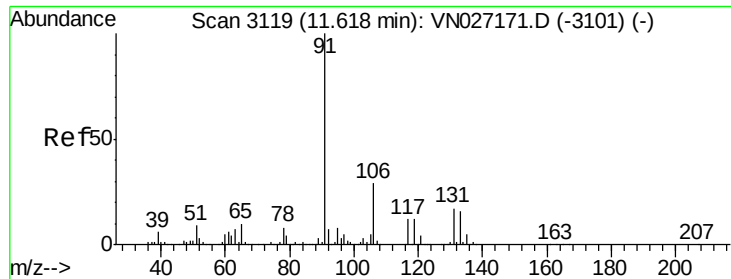
MMDadoda
9/16/2015 11:48:13 AM



#67
1,1,1,2-Tetrachloroethane
Concen: 45.92 ug/l
RT: 11.62 min Scan# 3118
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.1	47.0	141.2
119	68.0	35.1	105.5





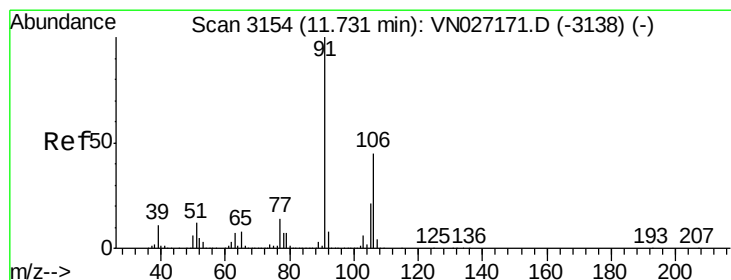
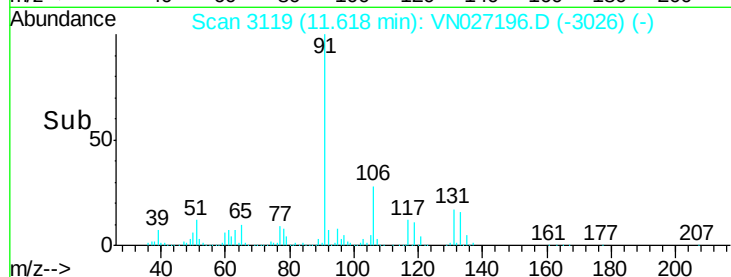
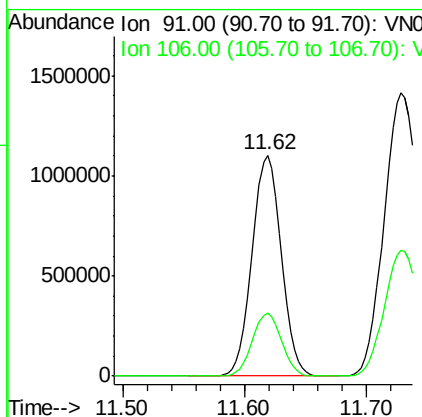
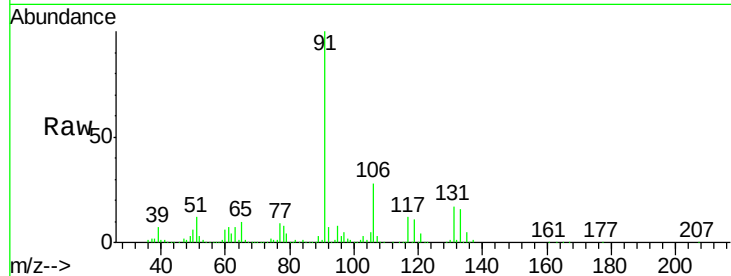
#68
Ethyl Benzene
Concen: 44.69 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampled :
S39-0095MSD

Tot Ion: 91 Resp: 1811087
Ion Ratio Lower Upper
91 100
106 28.5 23.1 34.7

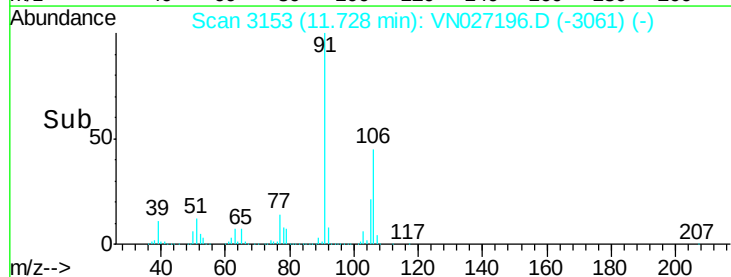
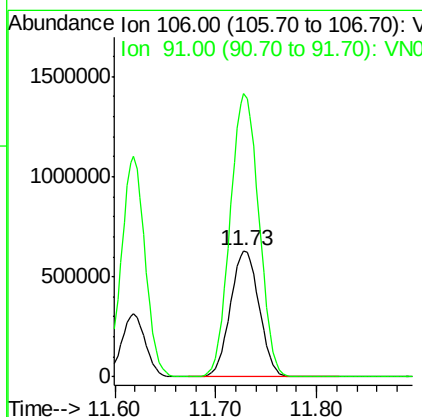
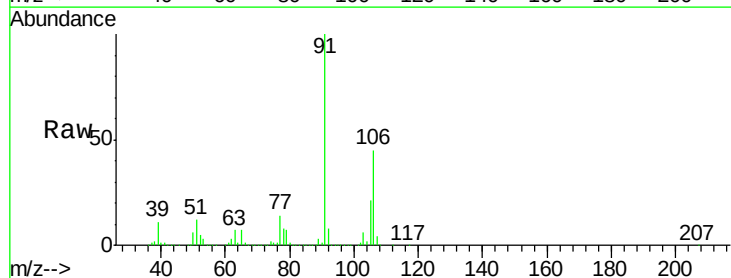
Manual Integrations
APPROVED

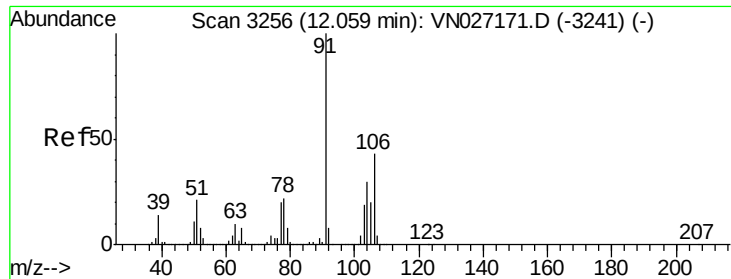
MMDadoda
9/16/2015 11:48:13 AM



#69
m/p-Xylenes
Concen: 89.14 ug/l
RT: 11.73 min Scan# 3153
Delta R.T. -0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion: 106 Resp: 1246379
Ion Ratio Lower Upper
106 100
91 224.7 167.1 250.7





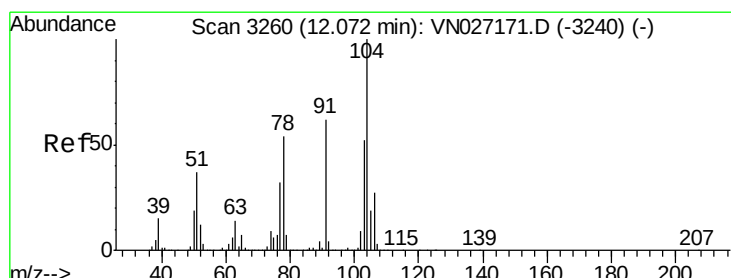
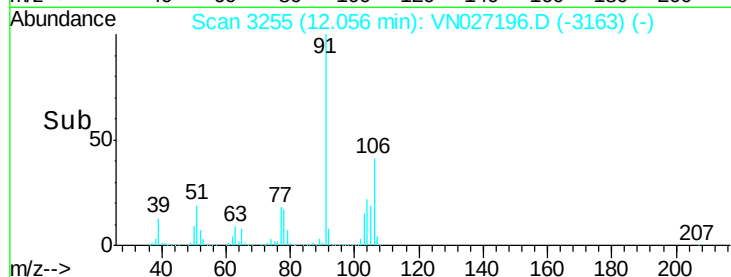
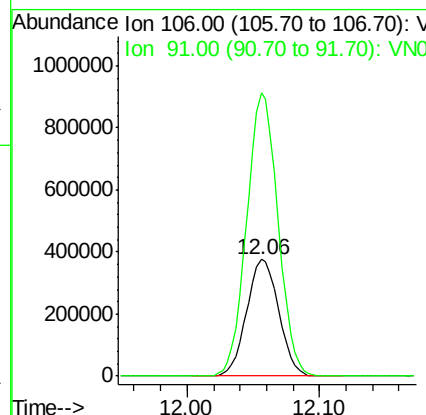
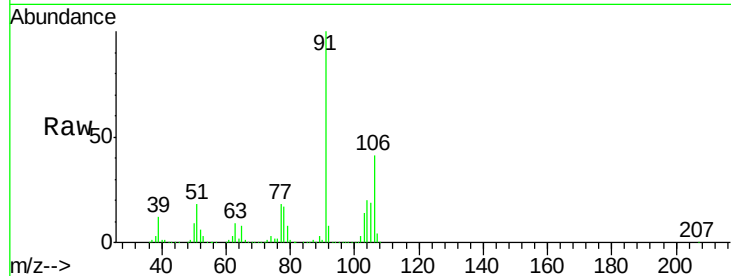
#70
o-Xylene
Concen: 44.98 ug/l
RT: 12.06 min Scan# 3255
Delta R.T. -0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampled :
S39-0095MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		630511		
91	237.1	110.7	331.9		

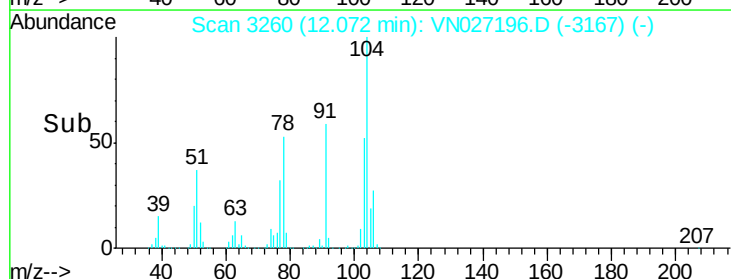
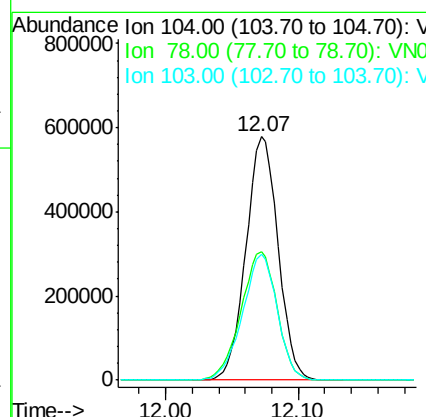
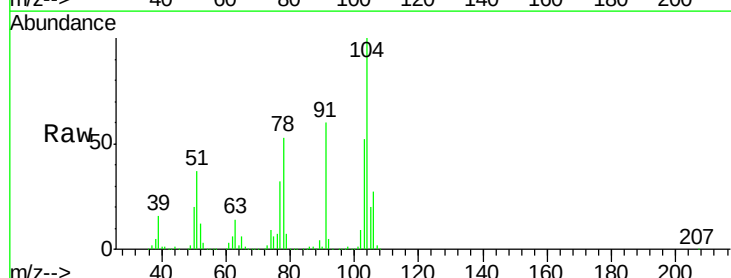
Manual Integrations
APPROVED

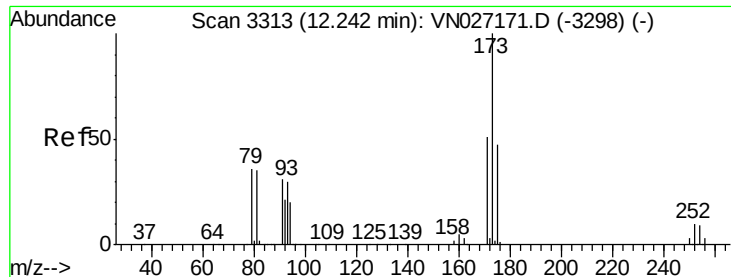
MMDadoda
9/16/2015 11:48:13 AM



#71
Styrene
Concen: 42.99 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		972843		
78	59.3	41.6	62.4		
103	56.0	44.2	66.2		





#72

Bromoform

Concen: 45.31 ug/l

RT: 12.24 min Scan# 3312

Delta R.T. -0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

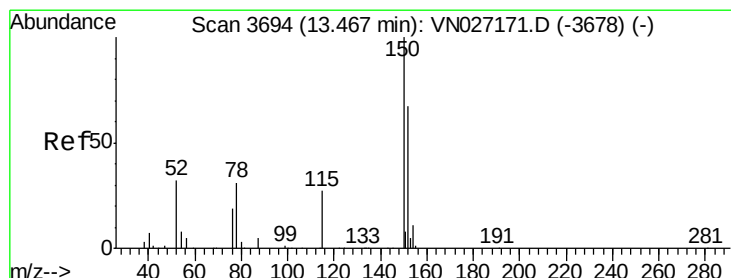
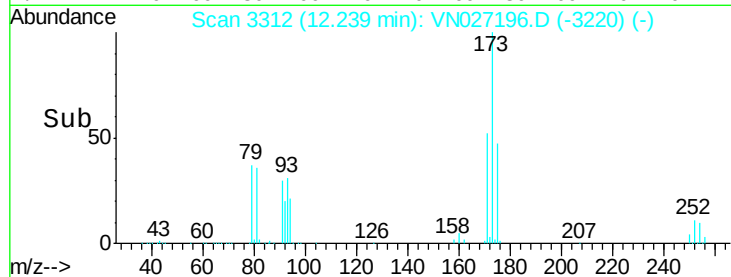
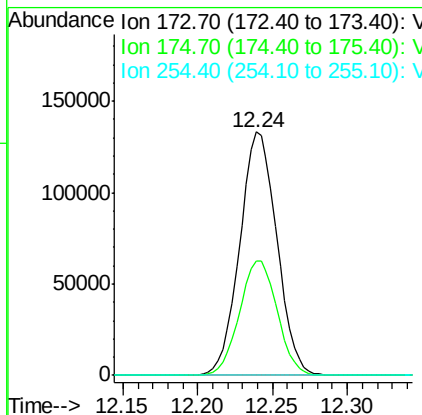
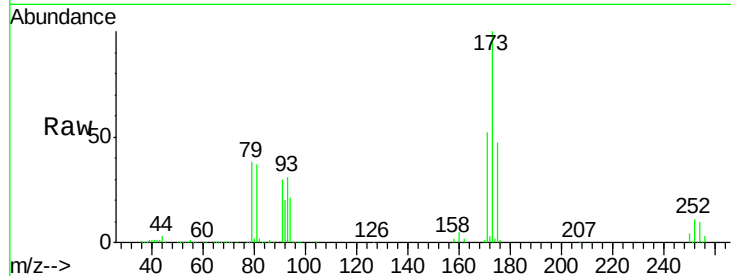
ClientSampleId :

S39-0095MSD

Tot Ion:	173	Resp:	229705
Ion Ratio	Lower	Upper	
173	100		
175	47.8	24.4	73.4
254	0.1	0.1	0.1

Manual Integrations
APPROVED

MMDadoda
9/16/2015 11:48:13 AM



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

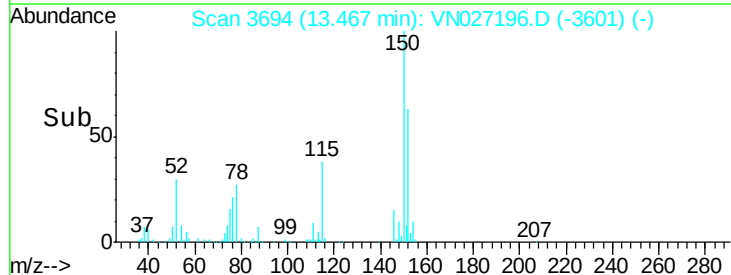
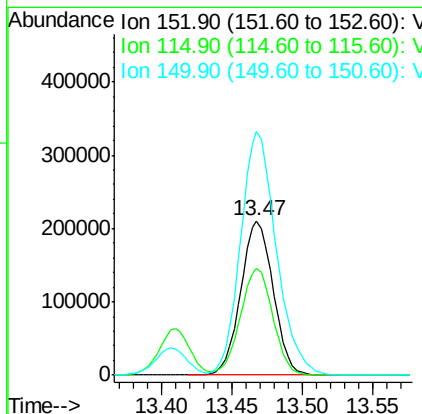
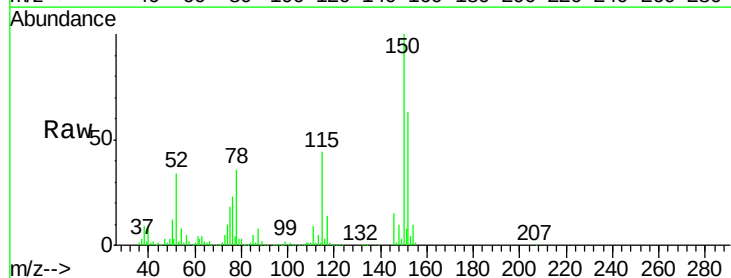
RT: 13.47 min Scan# 3694

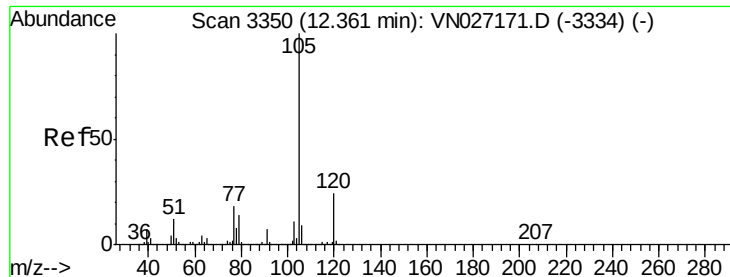
Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Tgt Ion:	152	Resp:	339244
Ion Ratio	Lower	Upper	
152	100		
115	69.1	30.8	92.3
150	173.8	0.0	345.0





#74

Isopropylbenzene

Concen: 45.35 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampled :

S39-0095MSD

Tot Ion:105 Resp: 1695457

Ion Ratio Lower Upper

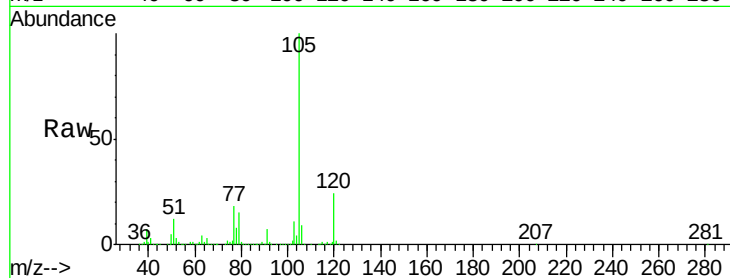
105 100

120 23.8 12.4 37.2

Manual Integrations
APPROVED

MMDadoda

9/16/2015 11:48:13 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

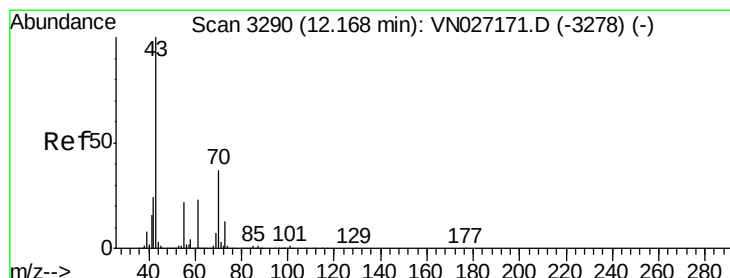
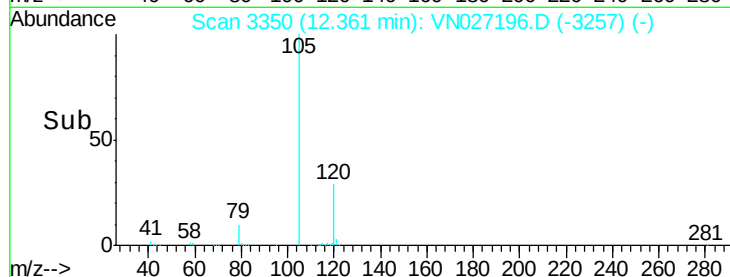
400000

200000

0

12.30 12.40

Time-->



#75

N-ethyl acetate

Concen: 22.81 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Tgt Ion: 43 Resp: 380543

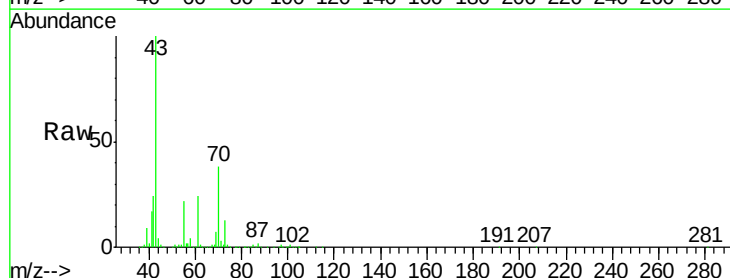
Ion Ratio Lower Upper

43 100

70 37.8 29.8 44.8

55 22.6 19.4 29.0

61 23.4 18.2 27.2



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

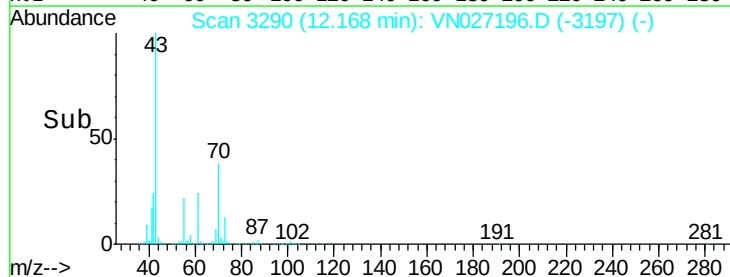
200000

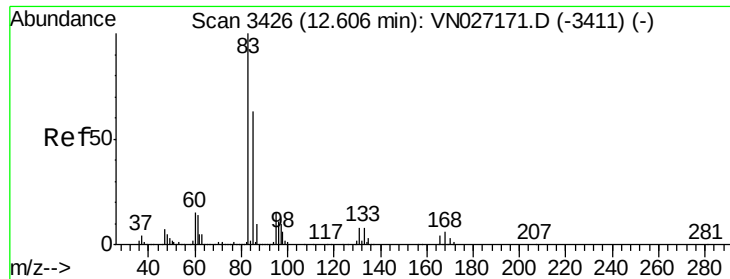
100000

0

12.10 12.15 12.20 12.25

Time-->





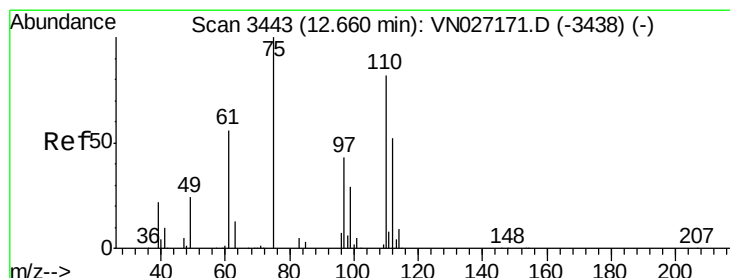
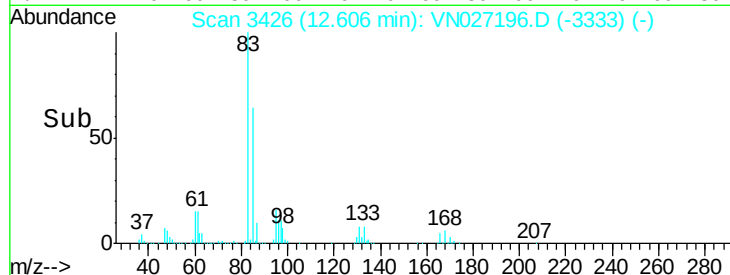
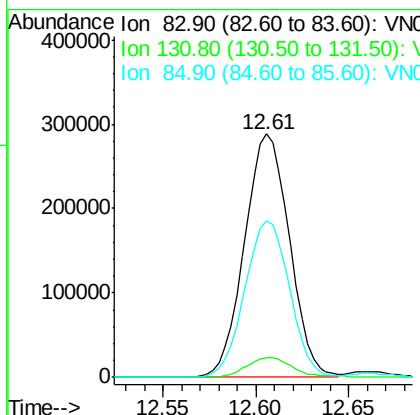
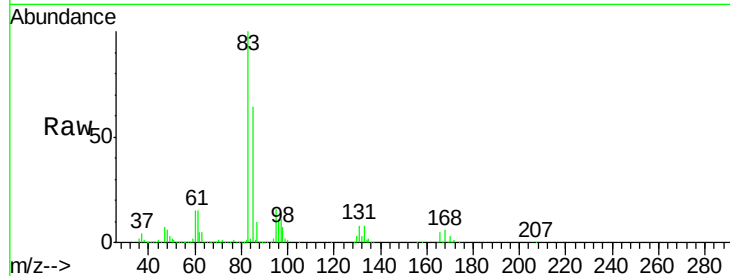
#76
 1,1,2,2-Tetrachloroethane
 Concen: 50.31 ug/l
 RT: 12.61 min Scan# 3426
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	8.5	4.1	12.3	
85	64.2	31.9	95.7	

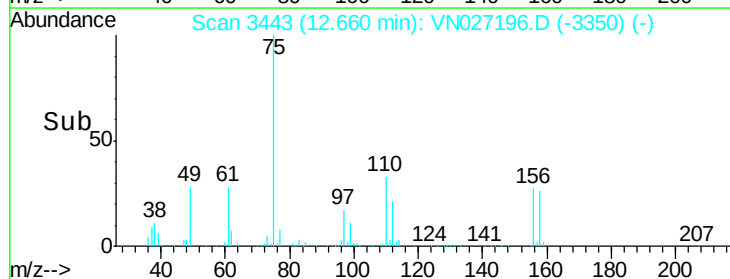
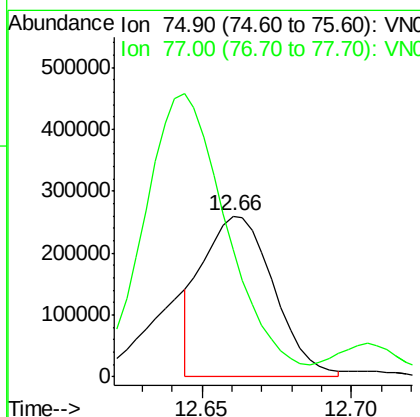
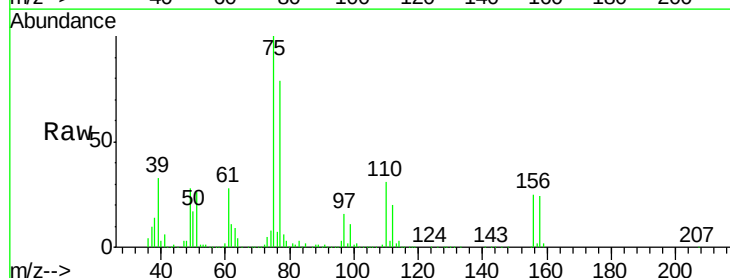
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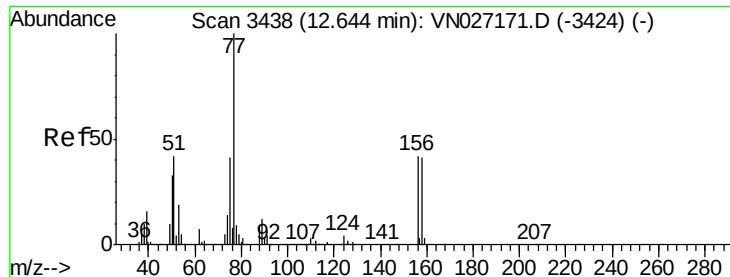
MMDadoda
 9/16/2015 11:48:13 AM



#77
 1,2,3-Trichloropropane
 Concen: 41.83 ug/l m
 RT: 12.66 min Scan# 3443
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
77	204.8	103.1	309.3	





#78

Bromobenzene

Concen: 45.91 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

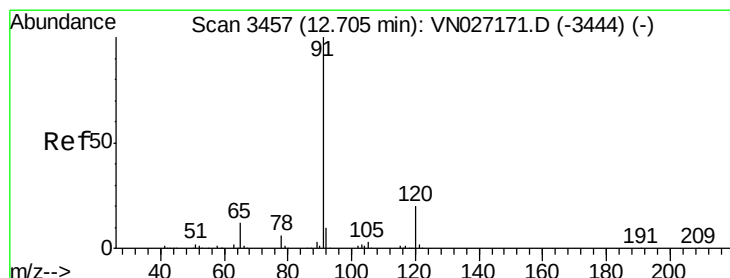
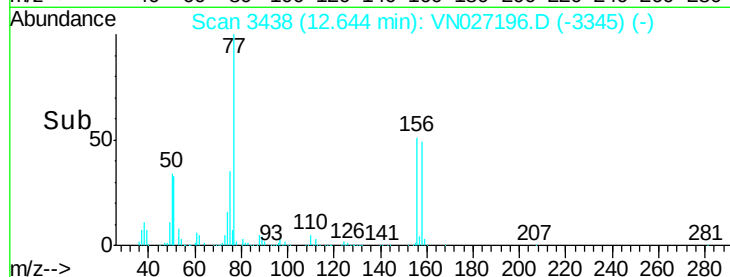
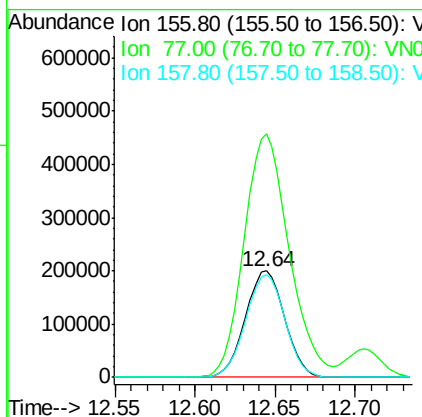
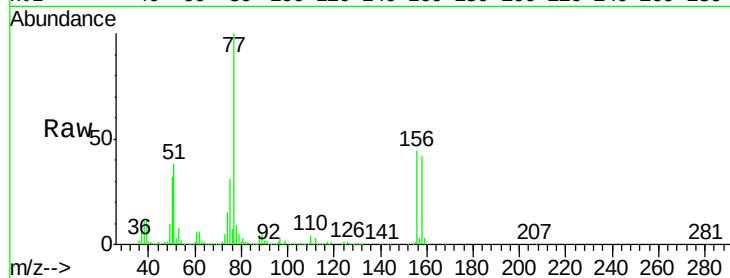
ClientSampleId :

S39-0095MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	261.0	127.3	381.9
158	96.3	48.0	144.2

Manual Integrations
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#79

n-propylbenzene

Concen: 44.18 ug/l

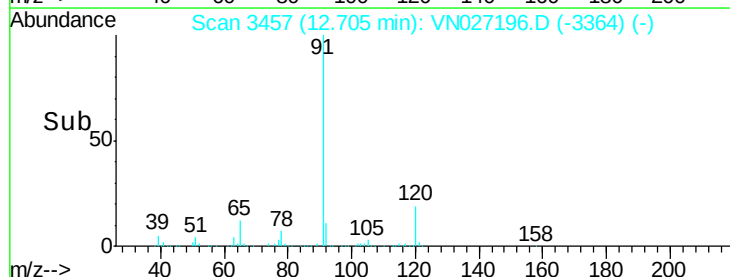
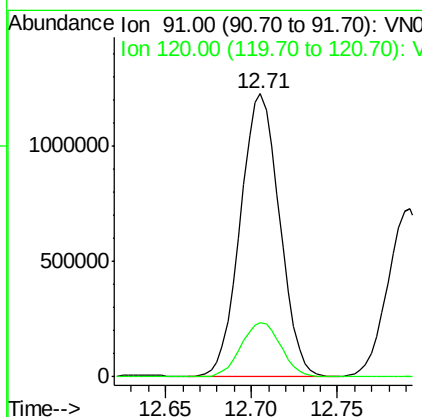
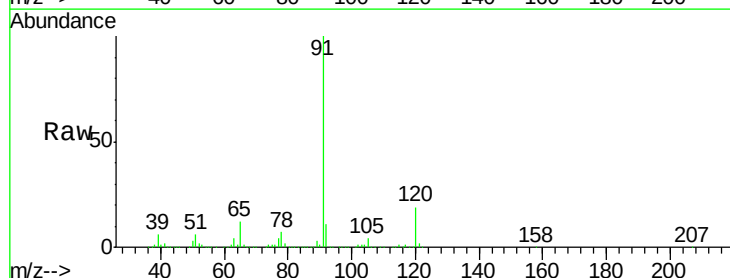
RT: 12.71 min Scan# 3457

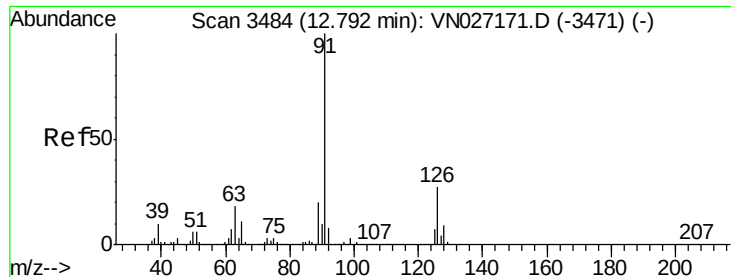
Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.5	10.3	30.8





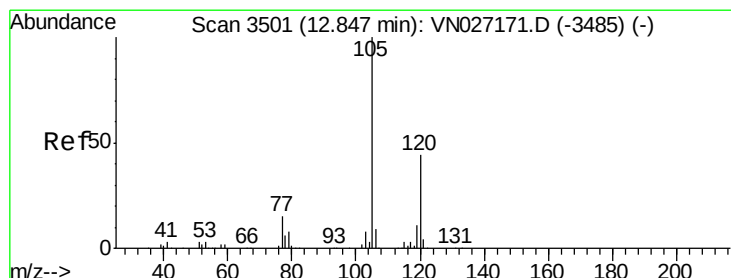
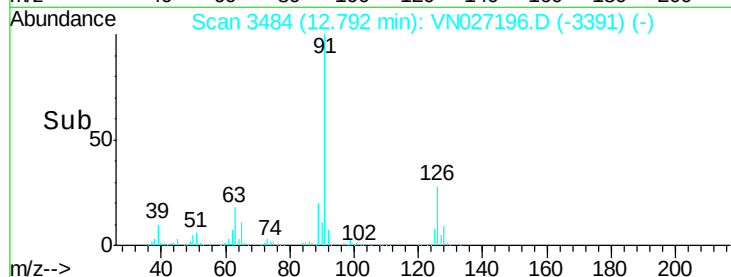
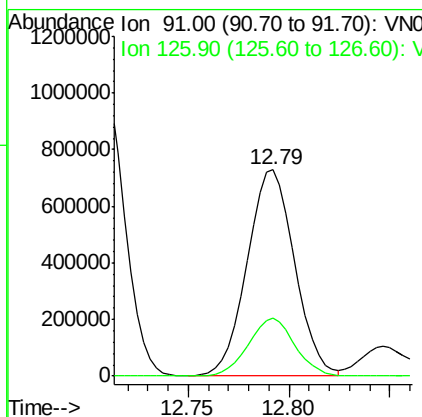
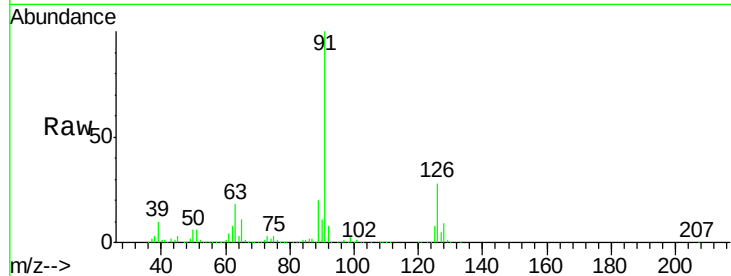
#80
 2-Chlorotoluene
 Concen: 45.37 ug/l
 RT: 12.79 min Scan# 3484
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion: 91 Resp: 1198177
 Ion Ratio Lower Upper
 91 100
 126 27.6 15.2 45.5

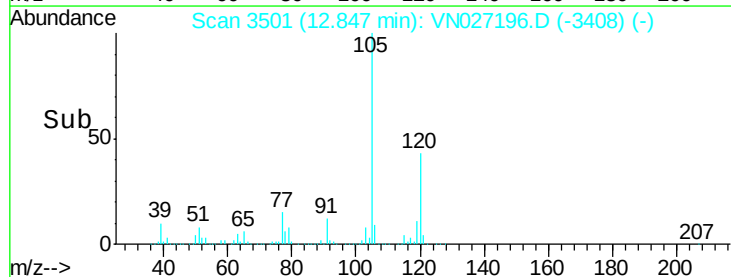
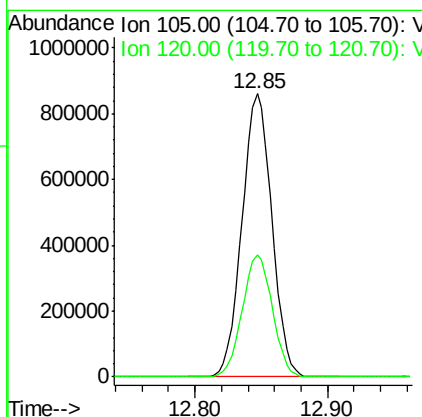
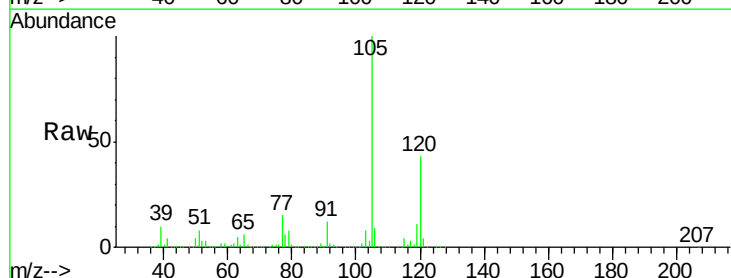
Manual Integrations
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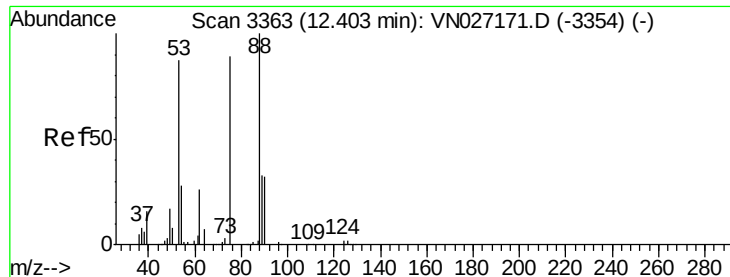
MMDadoda
 9/16/2015 11:48:13 AM



#81
 1,3,5-Trimethylbenzene
 Concen: 44.70 ug/l
 RT: 12.85 min Scan# 3501
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion: 105 Resp: 1342504
 Ion Ratio Lower Upper
 105 100
 120 43.4 23.4 70.0





#82

trans-1,4-Dichloro-2-butene

Concen: 18.73 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

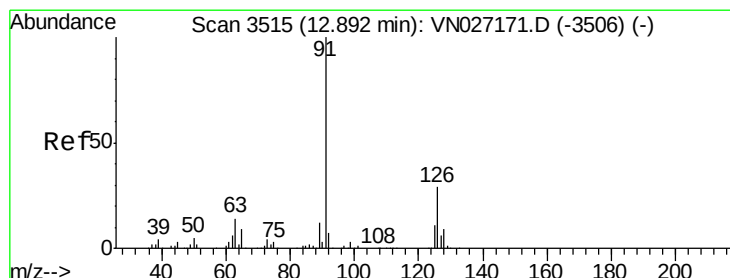
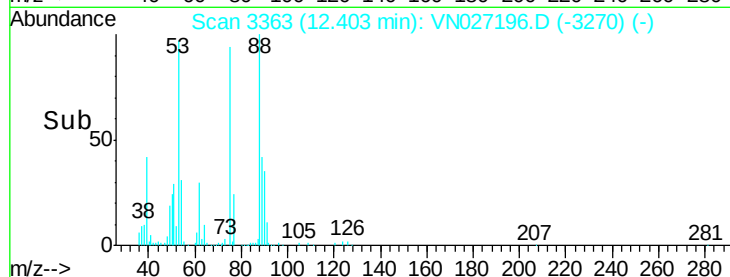
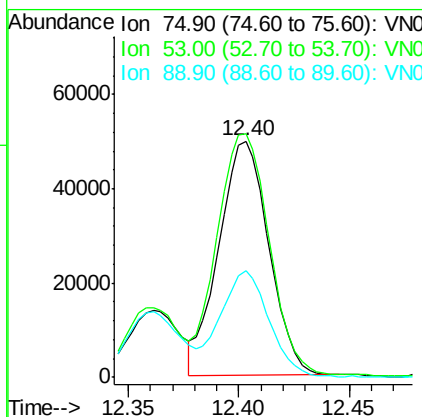
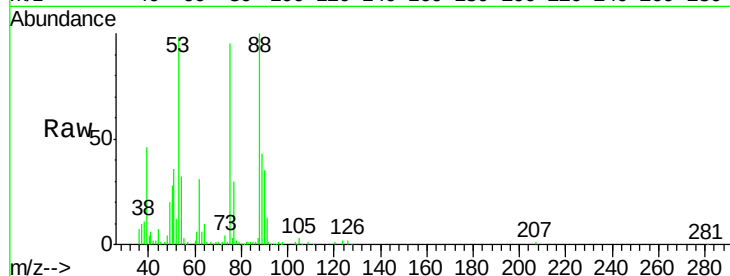
ClientSampleId :

S39-0095MSD

Tot Ion:	75	Resp:	78162
Ion	Ratio	Lower	Upper
75	100		
53	107.9	92.9	139.3
89	44.2	34.2	51.4

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#83

4-Chlorotoluene

Concen: 45.85 ug/l

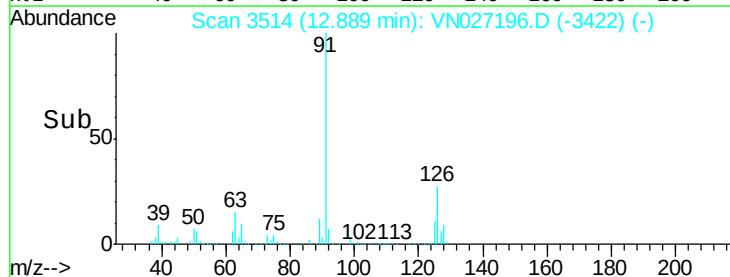
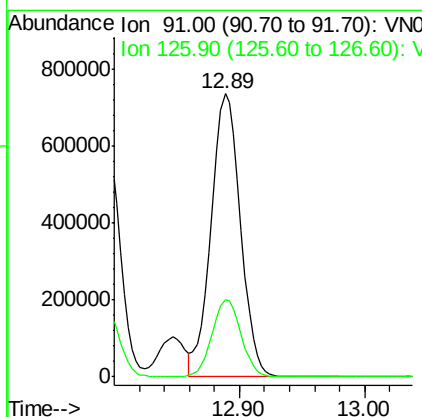
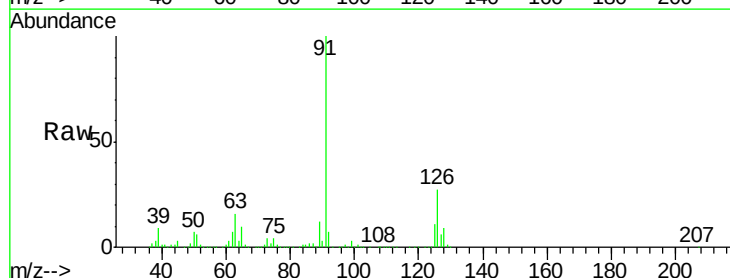
RT: 12.89 min Scan# 3514

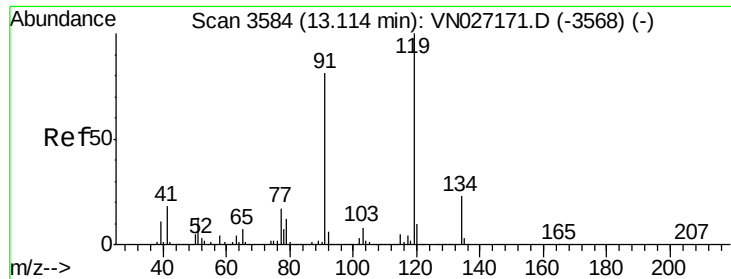
Delta R.T. -0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Tgt Ion:	91	Resp:	1189769
Ion	Ratio	Lower	Upper
91	100		
126	27.1	14.9	44.5





#84

tert-Butylbenzene

Concen: 44.49 ug/l

RT: 13.11 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN027196.D

Acq: 16 Sep 2015 7:11

Instrument :

MSVOA_N

ClientSampled :

S39-0095MSD

Tot Ion:119 Resp: 1102493

Ion Ratio Lower Upper

119 100

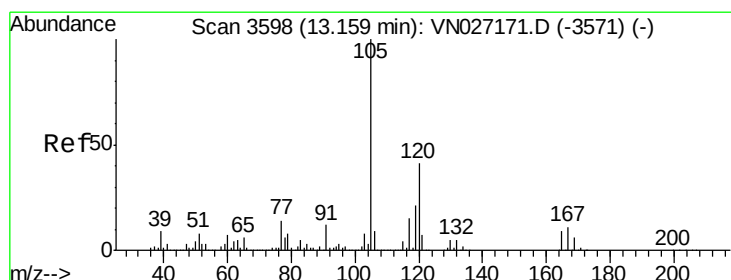
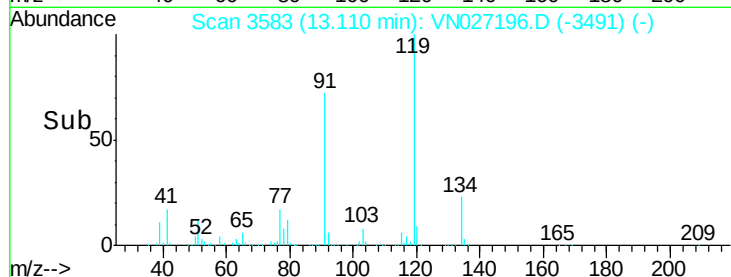
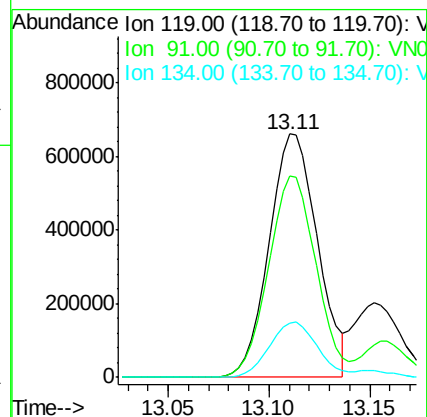
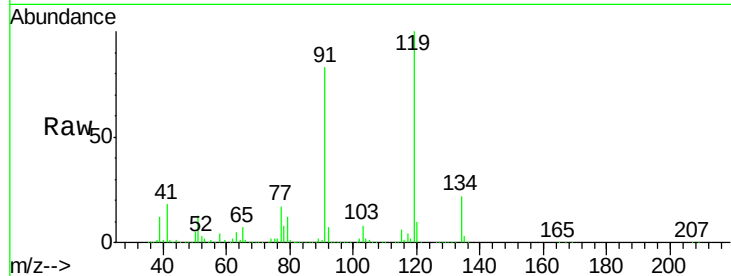
91 81.1 34.6 103.8

134 22.5 11.4 34.2

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#85

1,2,4-Trimethylbenzene

Concen: 45.13 ug/l

RT: 13.16 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN027196.D

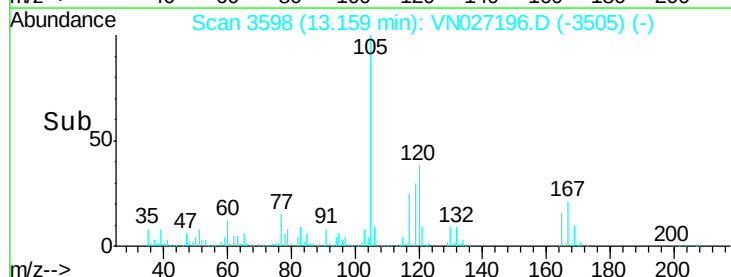
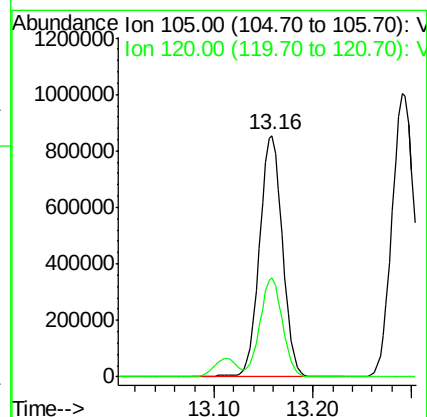
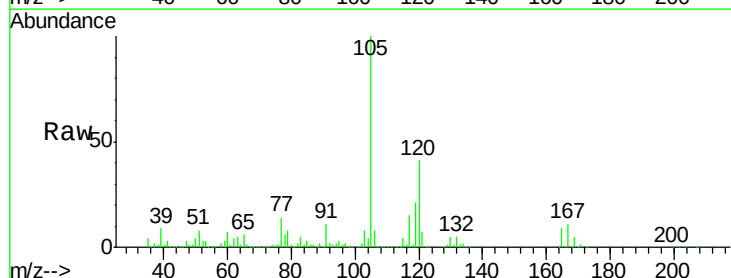
Acq: 16 Sep 2015 7:11

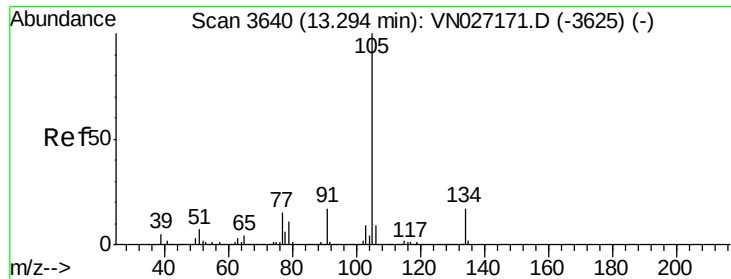
Tgt Ion:105 Resp: 1361275

Ion Ratio Lower Upper

105 100

120 40.2 21.9 65.5





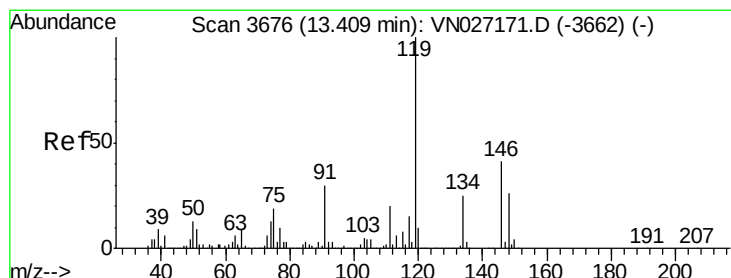
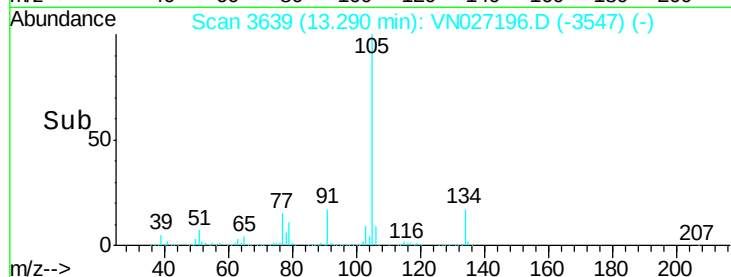
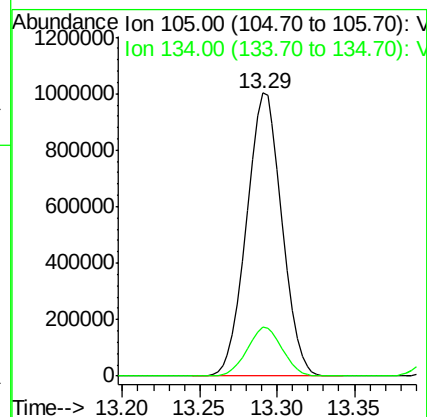
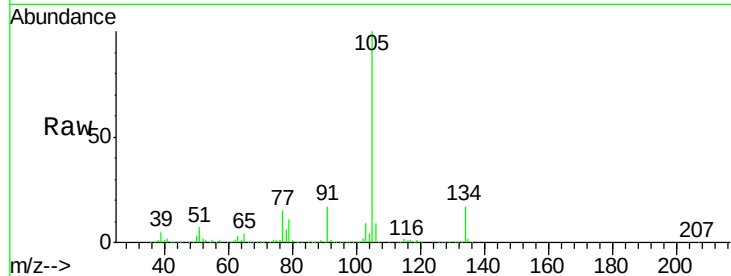
#86
 sec-Butylbenzene
 Concen: 43.79 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion:105 Resp: 1589720
 Ion Ratio Lower Upper
 105 100
 134 17.2 8.8 26.4

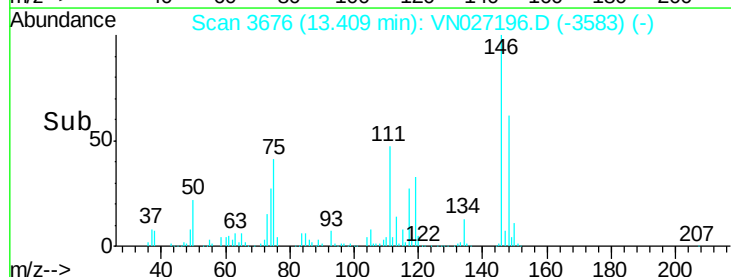
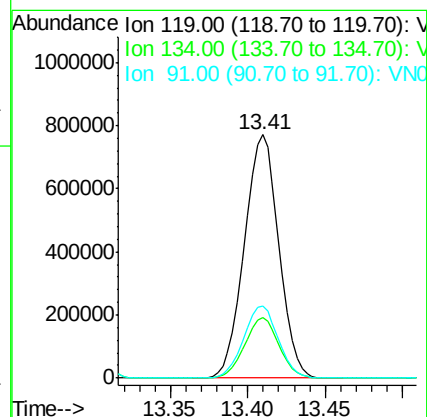
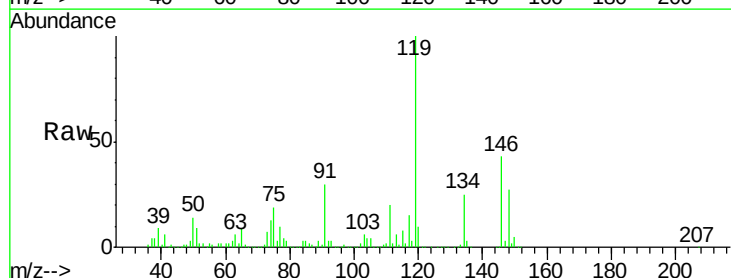
Manual Integrations
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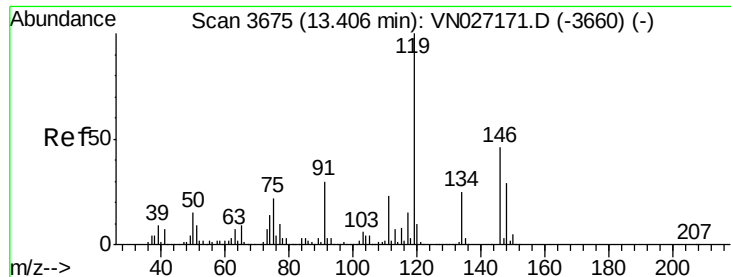
MMDadoda
 9/16/2015 11:48:13 AM



#87
 p-Isopropyltoluene
 Concen: 42.57 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion:119 Resp: 1190119
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.4 37.0
 91 29.7 12.0 36.1





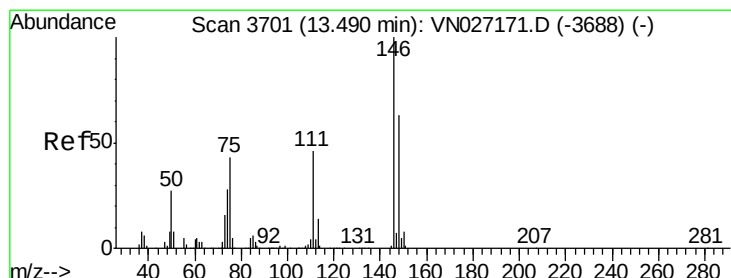
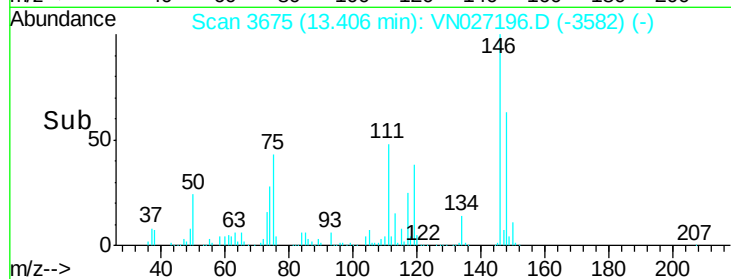
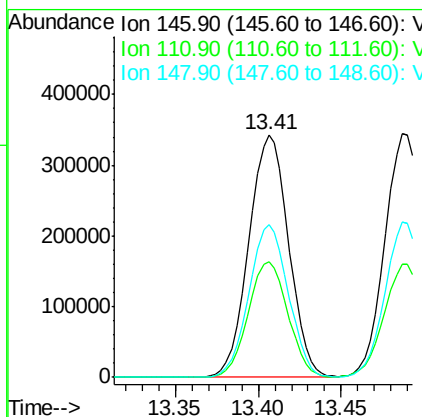
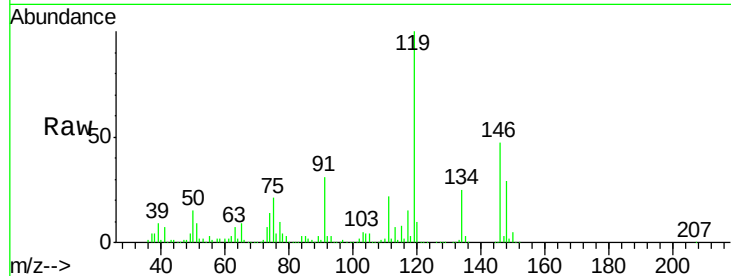
#88
 1,3-Dichlorobenzene
 Concen: 45.53 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	571091		
111	47.7	21.0	63.0	
148	62.4	31.9	95.9	

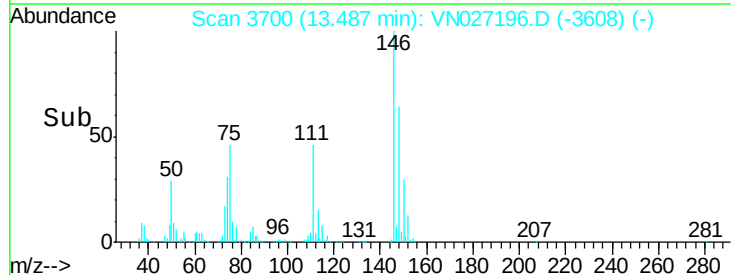
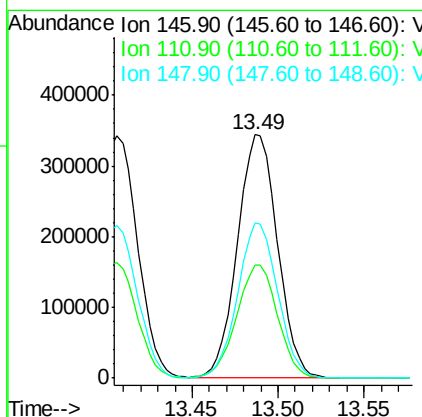
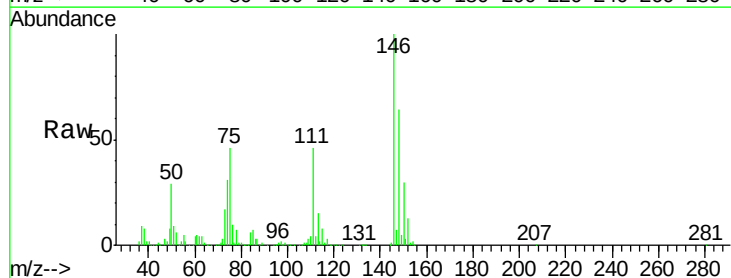
Manual Integrations
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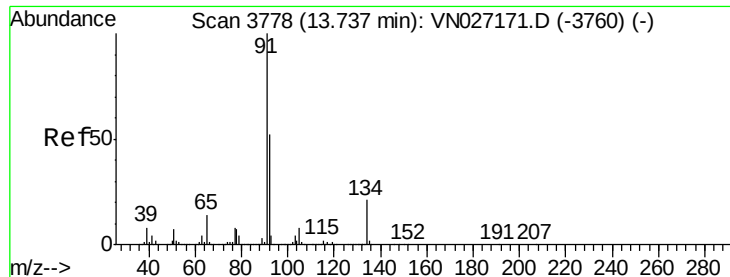
MMDadoda
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#89
 1,4-Dichlorobenzene
 Concen: 43.94 ug/l
 RT: 13.49 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	558277		
111	47.3	19.9	59.6	
148	63.4	31.7	95.1	





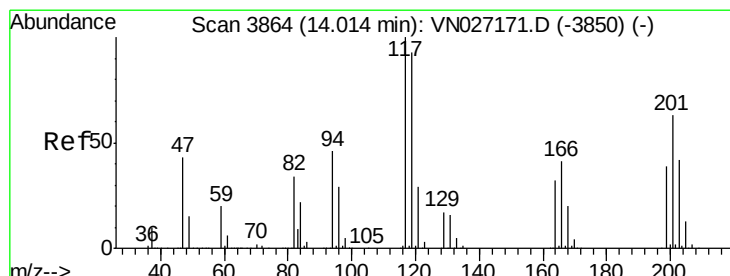
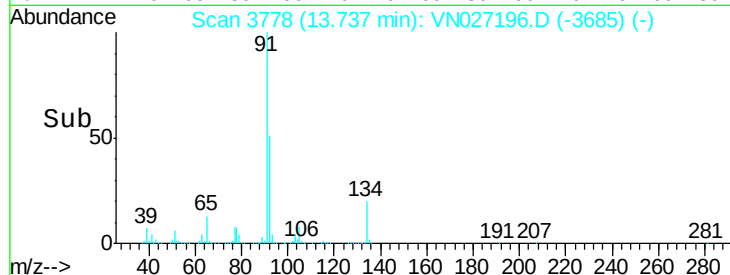
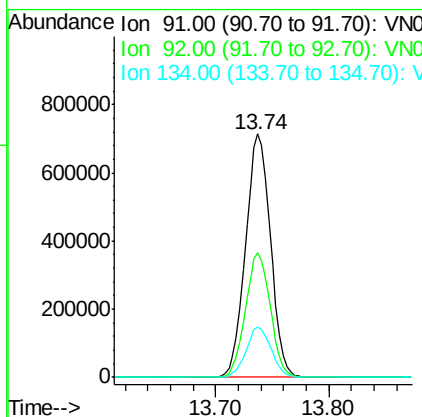
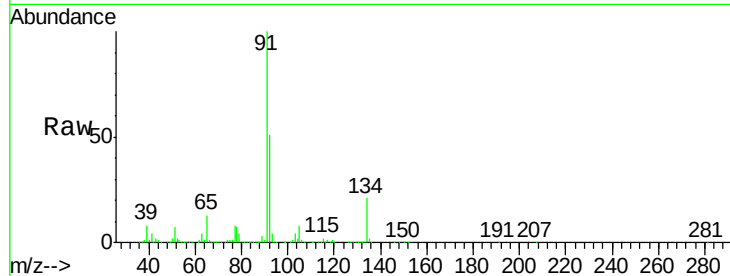
#90
n-Butylbenzene
Concen: 40.25 ug/l
RT: 13.74 min Scan# 3778
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	26.1	78.2
134	20.6	11.1	33.1

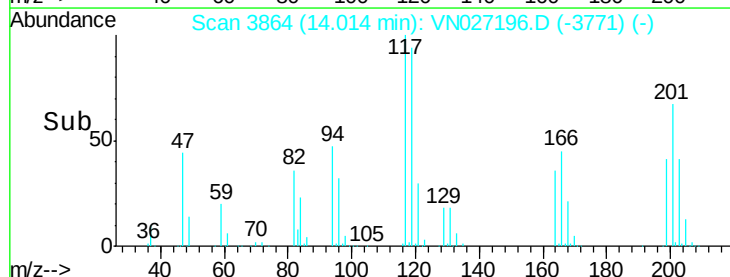
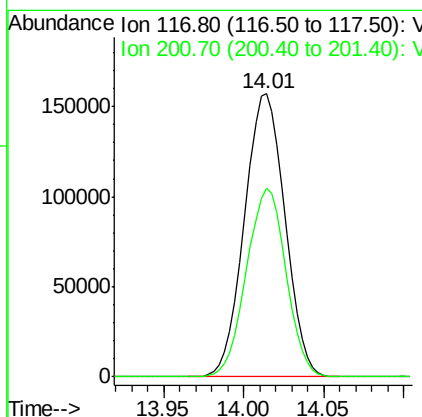
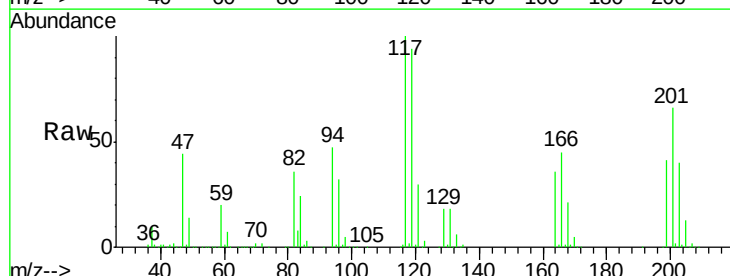
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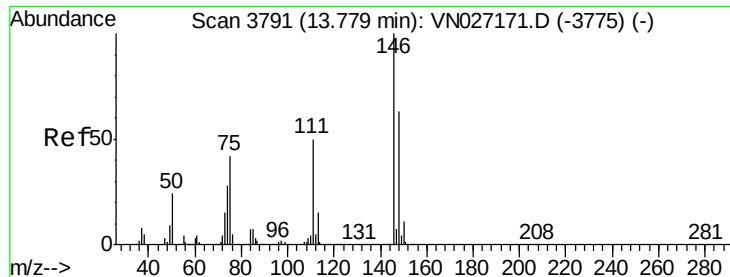
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#91
Hexachloroethane
Concen: 44.44 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.9	104.7





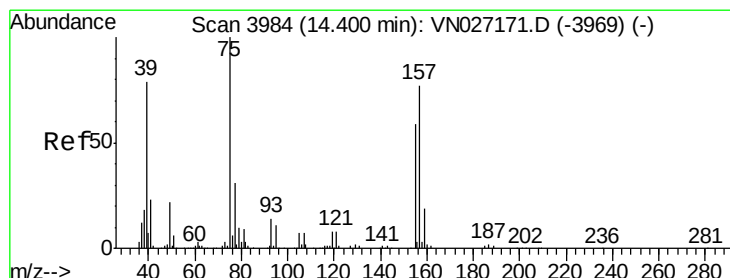
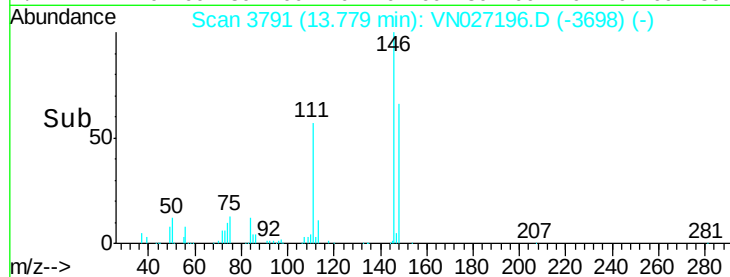
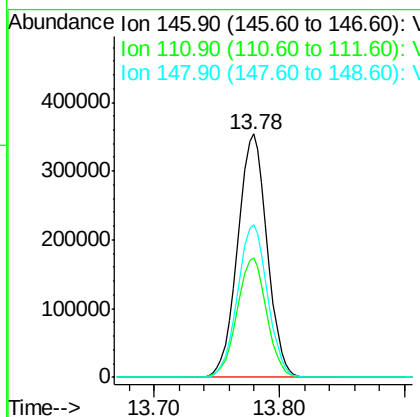
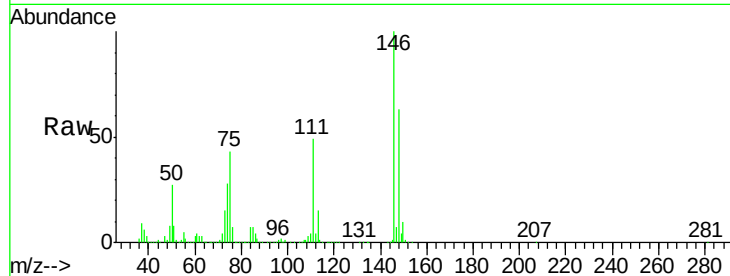
#92
 1,2-Dichlorobenzene
 Concen: 46.45 ug/l
 RT: 13.78 min Scan# 3791
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
146	100	575870		
111	49.3	22.1	66.3	
148	63.9	32.0	96.0	

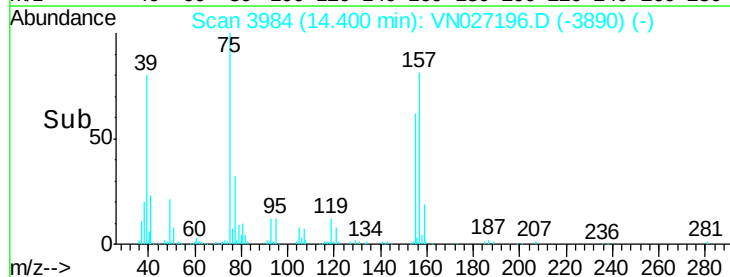
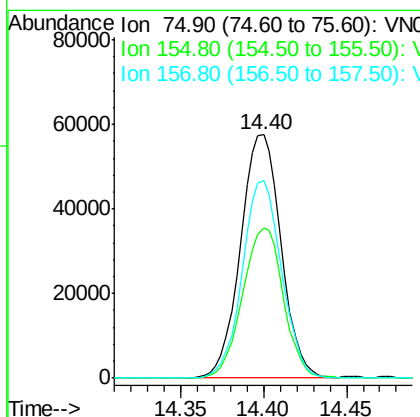
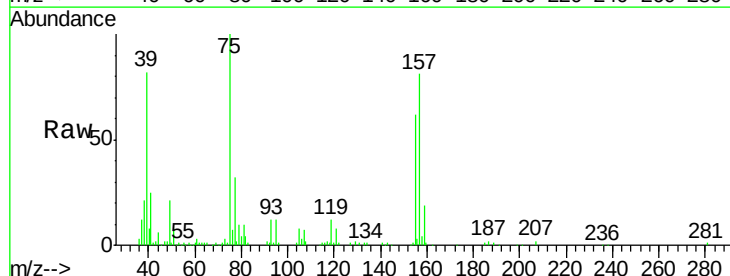
Manual Integrations
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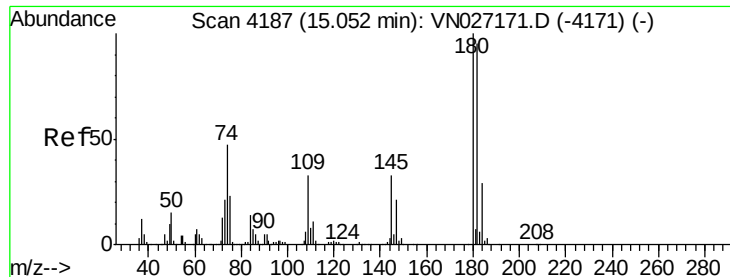
MMDadoda
 9/16/2015 11:48:13 AM



#93
 1,2-Dibromo-3-Chloropropane
 Concen: 45.72 ug/l
 RT: 14.40 min Scan# 3984
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97871		
155	61.9	35.6	106.9	
157	78.6	44.6	133.8	





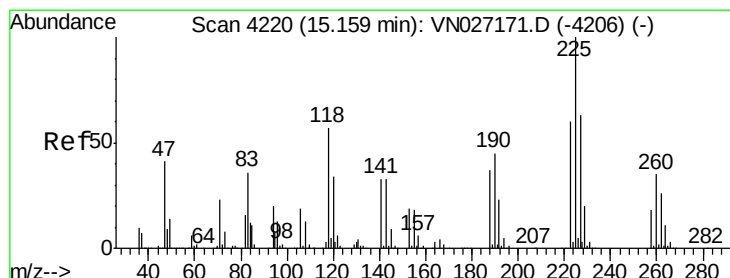
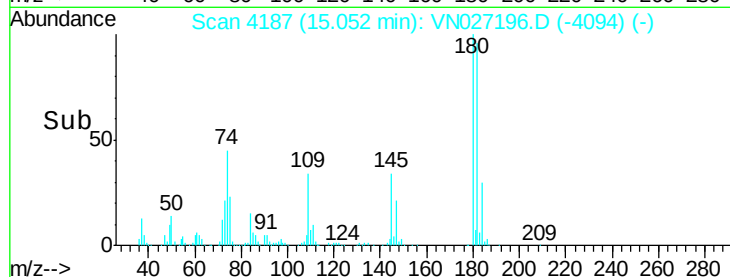
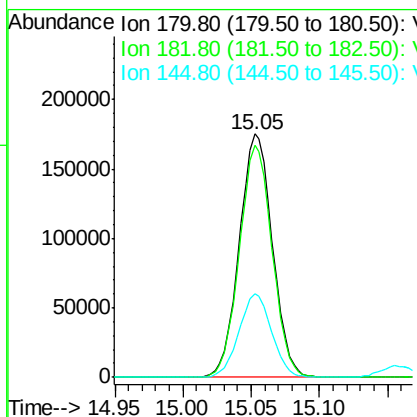
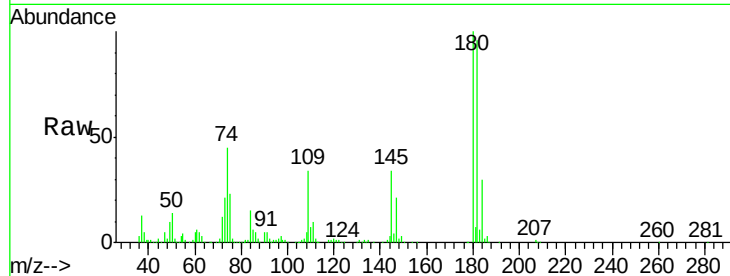
#94
 1,2,4-Trichlorobenzene
 Concen: 44.06 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
180	100	295086		
182	94.5	47.5	142.5	
145	34.0	15.1	45.3	

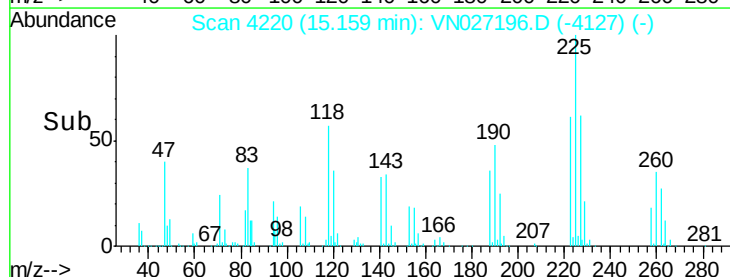
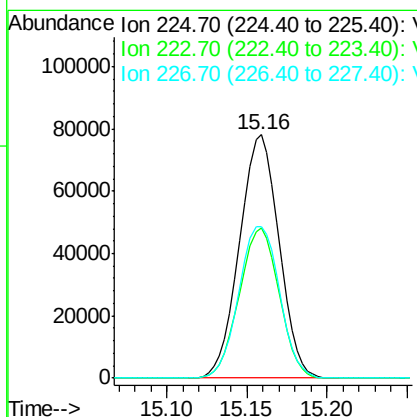
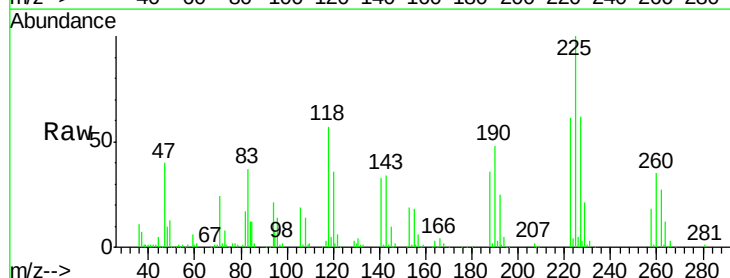
Manual Integrations
 APPROVED

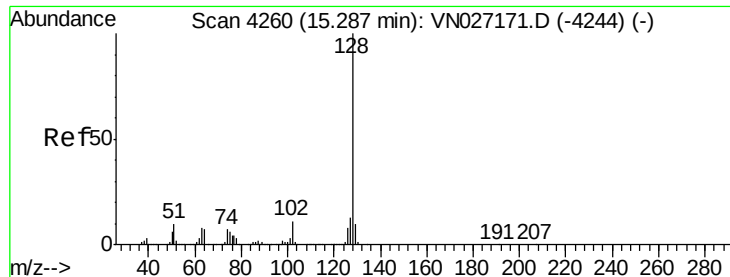
MMDadoda
 9/16/2015 11:48:13 AM



#95
 Hexachlorobutadiene
 Concen: 37.26 ug/l
 RT: 15.16 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: VN027196.D
 Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131430		
223	62.1	30.8	92.3	
227	64.4	31.7	95.1	





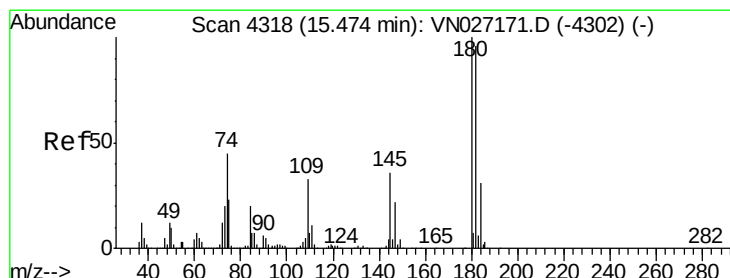
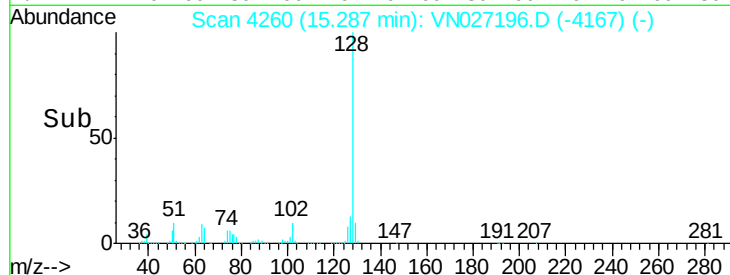
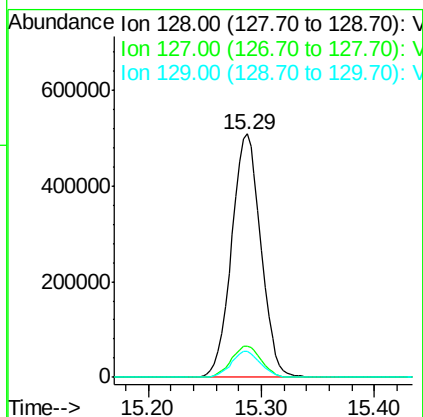
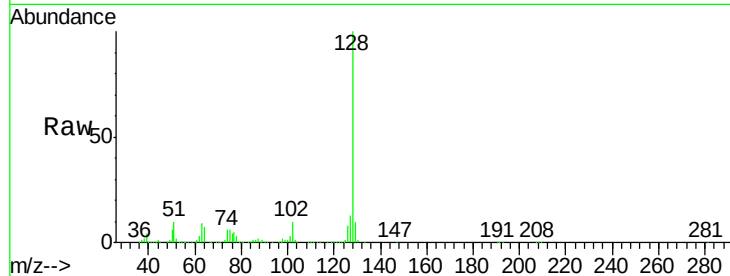
#96
Naphthalene
Concen: 46.55 ug/l
RT: 15.29 min Scan# 4260
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Instrument :
MSVOA_N
ClientSampled :
S39-0095MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	913858		
127	13.2		10.4	15.6
129	10.8		8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/16/2015 11:48:13 AM



#97
1,2,3-Trichlorobenzene
Concen: 45.82 ug/l
RT: 15.47 min Scan# 4318
Delta R.T. 0.00 min
Lab File: VN027196.D
Acq: 16 Sep 2015 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	305031		
182	95.9		48.8	146.4
145	35.5		16.6	49.8

