

Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
 Data File : VN027195.D
 Acq On : 16 Sep 2015 6:43
 Operator : MD\FY
 Sample : G3629-10MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Manual Integrations
 APPROVED

MMDadoda
 9/16/2015 11:48:08 AM

Quant Time: Sep 16 07:04:40 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	497439	50.00	ug/l	0.00
35) 1,4-Difluorobenzene	8.68	114	1063488	50.00	ug/l	0.00
64) Chlorobenzene-d5	11.52	117	903326	50.00	ug/l	0.00
73) 1,4-Dichlorobenzene-d4	13.47	152	334999	50.00	ug/l	0.00

System Monitoring Compounds

34) 1,2-Dichloroethane-d4	8.12	65	568726	55.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.60%	
36) Dibromofluoromethane	7.68	113	368085	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
51) Toluene-d8	10.19	98	1401272	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
63) 4-Bromofluorobenzene	12.52	95	488337	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.80	85	282931	47.53	ug/l	99
3) Chlorodifluoromethane	1.82	51	347338	50.43	ug/l	94
4) Chloromethane	2.01	50	342577	51.36	ug/l	100
5) Vinyl Chloride	2.14	62	355102	50.52	ug/l	98
6) Bromomethane	2.54	94	150802	43.90	ug/l	100
7) Chloroethane	2.69	64	242377	50.72	ug/l	100
8) Trichlorofluoromethane	3.02	101	532556	50.15	ug/l	100
9) Diethyl Ether	3.42	74	255598	52.31	ug/l	84
10) 1,1,2-Trichlorotrifluoroet	3.79	101	305913	45.87	ug/l	97
11) Methyl Iodide	3.99	142	336745	51.95	ug/l	93
12) Tert butyl alcohol	4.80	59	230569	231.34	ug/l	98
13) 1,1-Dichloroethene	3.77	96	328487	51.43	ug/l	94
14) Acrolein	3.62	56	69590	59.44	ug/l	98
15) Allyl chloride	4.37	41	486779	37.73	ug/l #	82
16) Acrylonitrile	5.02	53	832119	255.31	ug/l	99
17) Acetone	3.82	43	676253	246.09	ug/l	96
18) Carbon Disulfide	4.11	76	925270	44.49	ug/l	99
19) Methyl Acetate	4.36	43	543975	27.33	ug/l	96
20) Methyl tert-butyl Ether	5.11	73	1303548	50.84	ug/l	97
21) Methylene Chloride	4.60	84	398875	52.11	ug/l	98
22) trans-1,2-Dichloroethene	5.12	96	341314	49.41	ug/l	98
23) Diisopropyl ether	6.03	45	1388036	51.28	ug/l #	91
24) Vinyl Acetate	5.97	43	858625	95.84	ug/l	99
25) 1,1-Dichloroethane	5.93	63	806837	51.31	ug/l	100
26) 2-Butanone	6.91	43	1011000	244.32	ug/l	96
27) 2,2-Dichloropropane	6.92	77	83963	6.15	ug/l #	76
28) cis-1,2-Dichloroethene	6.92	96	425936	53.76	ug/l	91
29) Bromochloromethane	7.29	49	336646	55.16	ug/l	97
30) Tetrahydrofuran	7.31	42	662082	232.16	ug/l	91
31) Chloroform	7.45	83	760295	53.51	ug/l	97
32) Cyclohexane	7.77	56	711123	50.82	ug/l	93
33) 1,1,1-Trichloroethane	7.67	97	690349	54.50	ug/l	97
37) 1,1-Dichloropropene	7.89	75	547986	44.02	ug/l	98
38) Ethyl Acetate	7.02	43	254589	23.49	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Carbon Tetrachloride	7.88	117	535221	45.73	ug/l	99
40) Methylcyclohexane	9.19	83	587804	38.77	ug/l	98
41) Benzene	8.14	78	1667154	45.90	ug/l	100
42) Methacrylonitrile	7.24	41	271713	45.15	ug/l #	91
43) 1,2-Dichloroethane	8.22	62	661696	45.22	ug/l	95
44) Isopropyl Acetate	8.25	43	608318	30.58	ug/l	93
45) Trichloroethene	8.93	130	366482	50.23	ug/l	95
46) 1,2-Dichloropropane	9.21	63	472673	45.23	ug/l	99
47) Dibromomethane	9.31	93	276795	45.11	ug/l	94
48) Bromodichloromethane	9.49	83	601767	46.54	ug/l	98
49) Methyl methacrylate	9.29	41	426764	43.06	ug/l #	88
50) 1,4-Dioxane	9.30	88	95392	820.60	ug/l	96
52) 4-Methyl-2-Pentanone	10.07	43	2260430	214.90	ug/l	99
53) Toluene	10.26	92	958840	45.07	ug/l	98
54) t-1,3-Dichloropropene	10.47	75	457238	31.49	ug/l	99
55) cis-1,3-Dichloropropene	9.93	75	502562	31.81	ug/l	94
56) 1,1,2-Trichloroethane	10.66	97	373466	46.71	ug/l	99
57) Ethyl methacrylate	10.52	69	594449	44.11	ug/l #	91
58) 1,3-Dichloropropane	10.80	76	675719	45.52	ug/l	98
60) 2-Hexanone	10.84	43	1509438	210.78	ug/l	100
61) Dibromochloromethane	11.00	129	373192	45.70	ug/l	99
62) 1,2-Dibromoethane	11.11	107	351838	44.78	ug/l	99
65) Tetrachloroethene	10.74	164	244040	42.25	ug/l	96
66) Chlorobenzene	11.54	112	949276	44.51	ug/l	99
67) 1,1,1,2-Tetrachloroethane	11.62	131	335403	46.11	ug/l	97
68) Ethyl Benzene	11.62	91	1796907	44.43	ug/l	99
69) m/p-Xylenes	11.73	106	1237935	88.72	ug/l	90
70) o-Xylene	12.06	106	630964	45.11	ug/l	90
71) Styrene	12.07	104	973111	43.10	ug/l	95
72) Bromoform	12.24	173	226669	44.81	ug/l #	100
74) Isopropylbenzene	12.36	105	1655558	44.85	ug/l	99
75) N-amyl acetate	12.17	43	386464	23.46	ug/l	99
76) 1,1,2,2-Tetrachloroethane	12.61	83	476050	49.95	ug/l	99
77) 1,2,3-Trichloropropane	12.66	75	426337m	42.11	ug/l	
78) Bromobenzene	12.64	156	334808	46.25	ug/l	99
79) n-propylbenzene	12.71	91	1908430	43.94	ug/l	98
80) 2-Chlorotoluene	12.79	91	1180326	45.26	ug/l	97
81) 1,3,5-Trimethylbenzene	12.85	105	1324404	44.66	ug/l	95
82) trans-1,4-Dichloro-2-buten	12.40	75	79895	19.38	ug/l	90
83) 4-Chlorotoluene	12.89	91	1160769	45.30	ug/l	95
84) tert-Butylbenzene	13.11	119	1097648	44.86	ug/l	90
85) 1,2,4-Trimethylbenzene	13.16	105	1316732	44.20	ug/l	96
86) sec-Butylbenzene	13.29	105	1569937	43.80	ug/l	100
87) p-Isopropyltoluene	13.41	119	1168620	42.33	ug/l	95
88) 1,3-Dichlorobenzene	13.41	146	557536	45.01	ug/l	95
89) 1,4-Dichlorobenzene	13.49	146	552851	44.07	ug/l	95
90) n-Butylbenzene	13.74	91	1053826	39.33	ug/l	99
91) Hexachloroethane	14.01	117	273929	45.34	ug/l	93
92) 1,2-Dichlorobenzene	13.78	146	573684	46.86	ug/l	96
93) 1,2-Dibromo-3-Chloropropan	14.40	75	97052	45.92	ug/l	87

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) 1,2,4-Trichlorobenzene	15.05	180	286304	43.29	ug/l	98
95) Hexachlorobutadiene	15.16	225	131172	37.66	ug/l	98
96) Naphthalene	15.28	128	888724	45.84	ug/l	100
97) 1,2,3-Trichlorobenzene	15.47	180	294821	44.85	ug/l	97

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

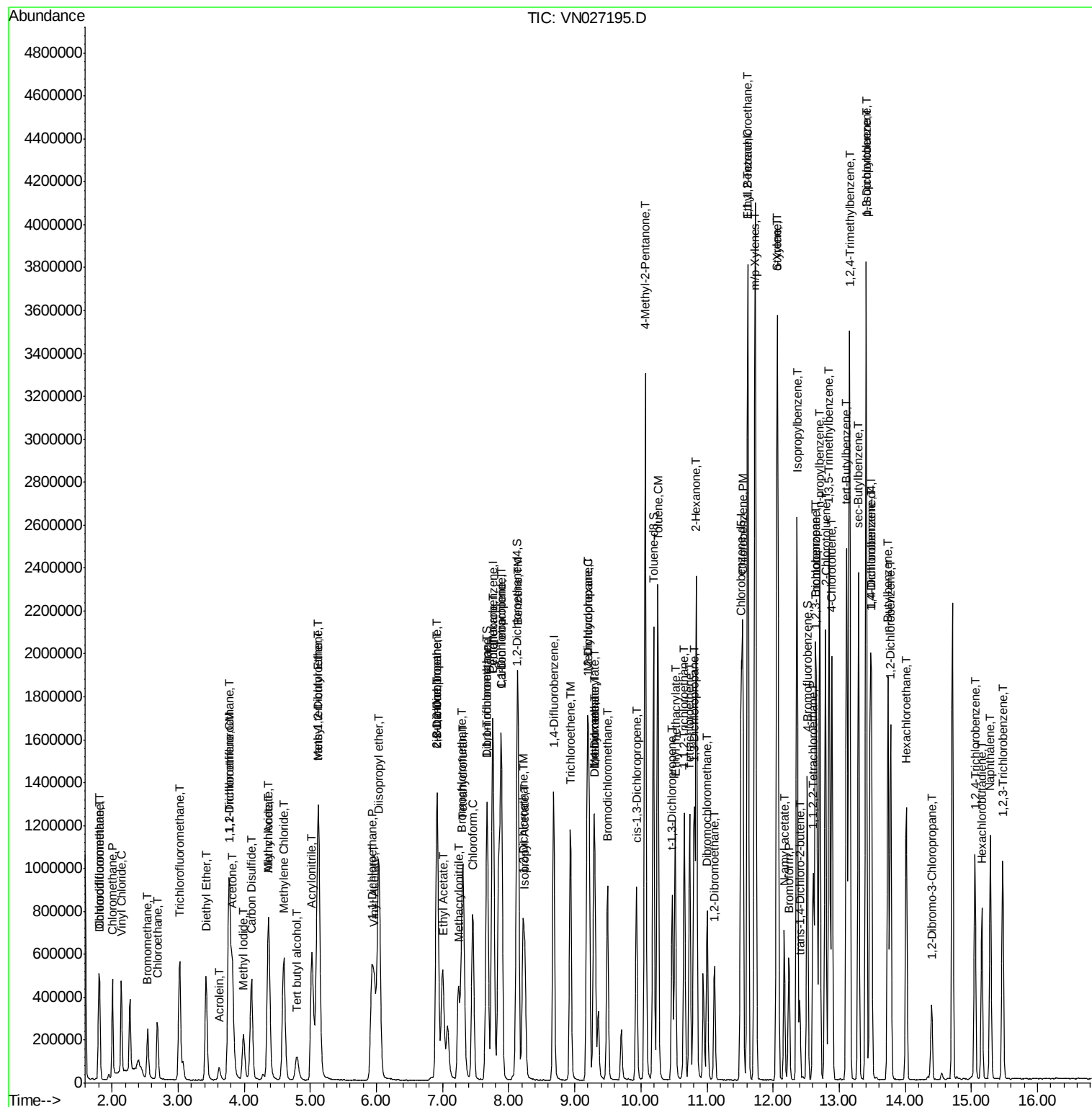
Data Path : W:\HPCHEM1\MSVOA N\DATA\VN091515\
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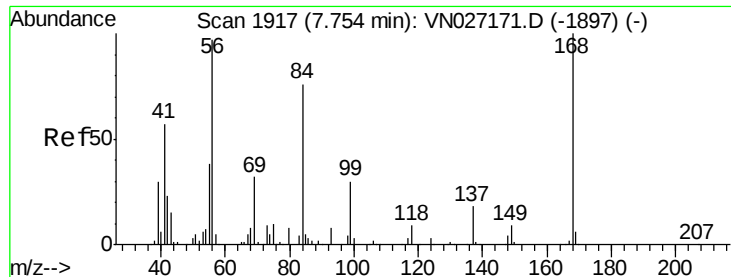
Instrument :
MSVOA_N
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.75 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion:168 Resp: 497439

Ion Ratio Lower Upper

168 100

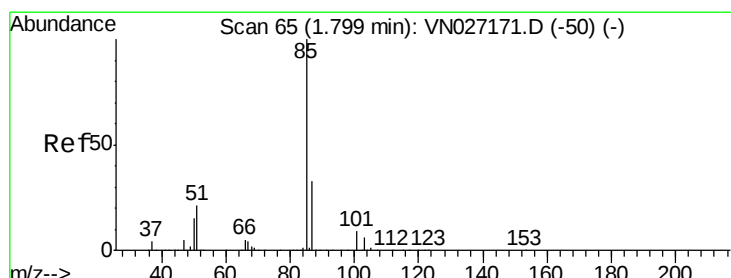
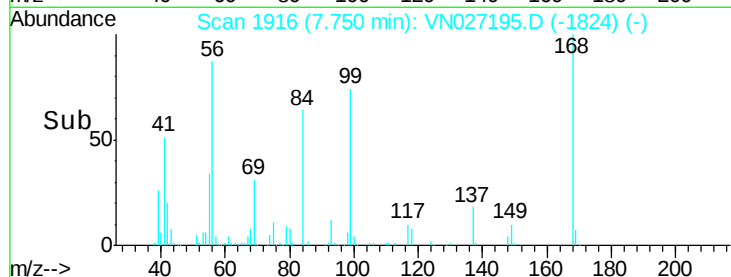
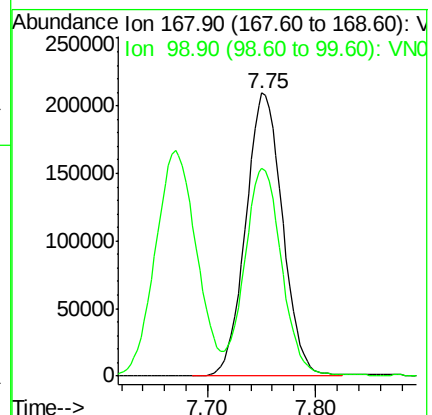
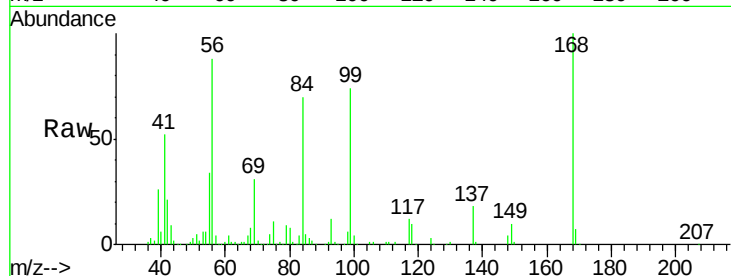
99 73.1 50.4 75.6

Manual Integrations

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9/16/2015 11:48:08 AM



#2

Dichlorodifluoromethane

Concen: 47.53 ug/l

RT: 1.80 min Scan# 64

Delta R.T. -0.00 min

Lab File: VN027195.D

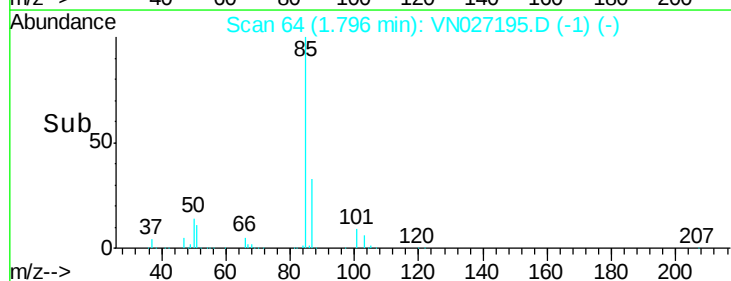
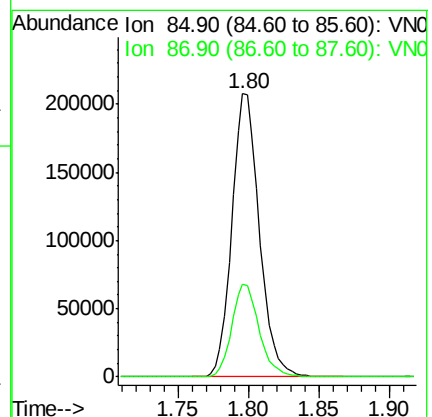
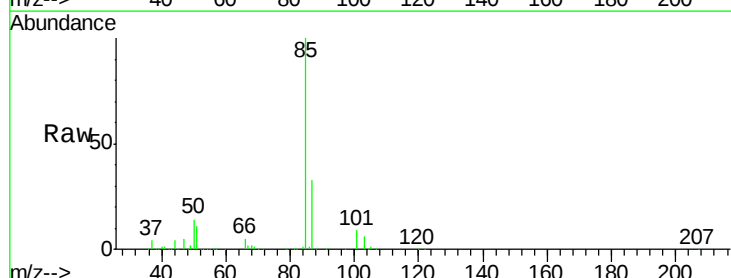
Acq: 16 Sep 2015 6:43

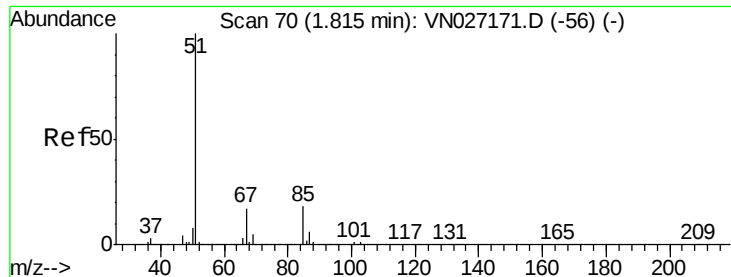
Tgt Ion: 85 Resp: 282931

Ion Ratio Lower Upper

85 100

87 32.9 16.3 48.8





#3

Chlorodifluoromethane

Concen: 50.43 ug/l

RT: 1.82 min Scan# 70

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tot Ion: 51 Resp: 347338

Ion Ratio Lower Upper

51 100

67 17.7 12.2 18.2

Instrument :

MSVOA_N

ClientSampled :

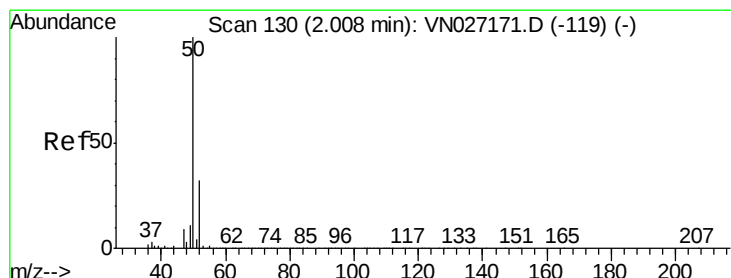
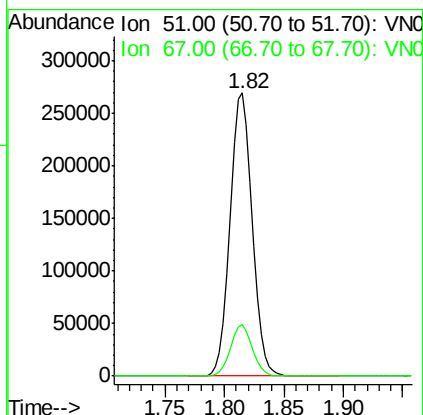
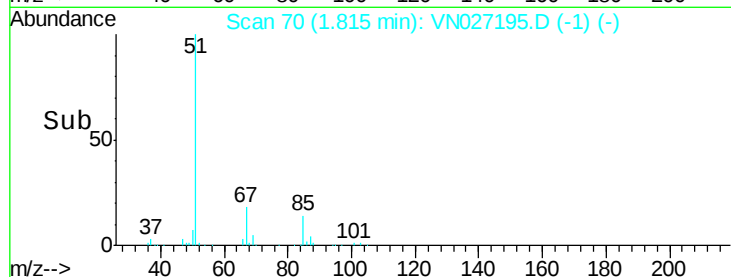
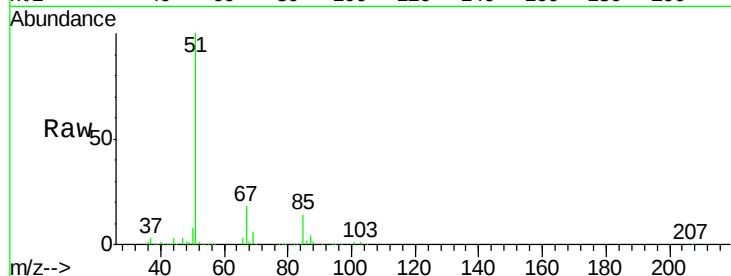
S39-0095MS

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#4

Chloromethane

Concen: 51.36 ug/l

RT: 2.01 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN027195.D

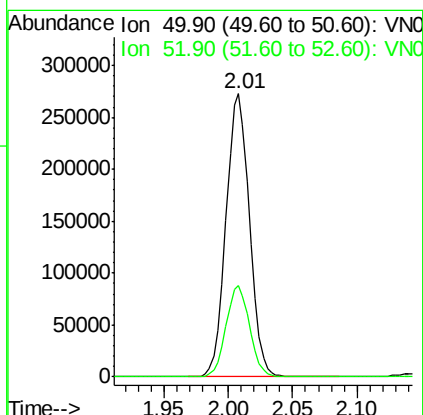
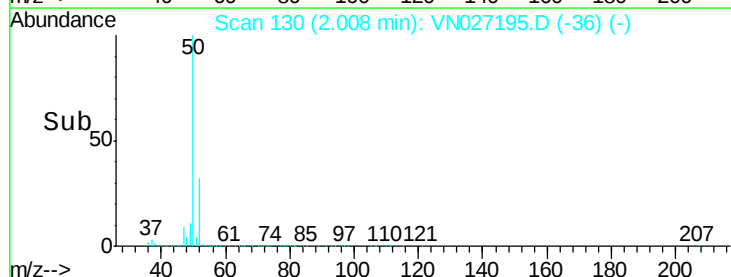
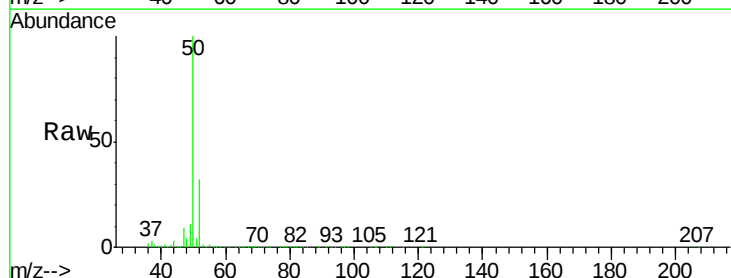
Acq: 16 Sep 2015 6:43

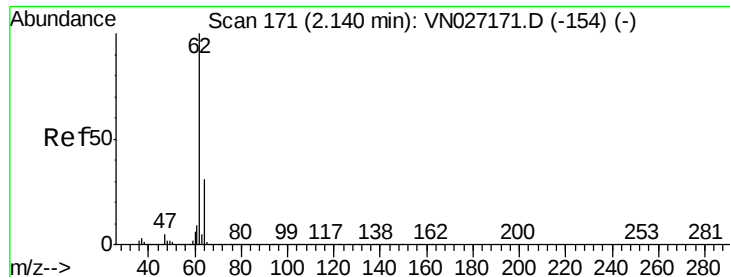
Tgt Ion: 50 Resp: 342577

Ion Ratio Lower Upper

50 100

52 32.2 25.9 38.9





#5

Vinyl Chloride

Concen: 50.52 ug/l

RT: 2.14 min Scan# 171

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion: 62 Resp: 355102

Ion Ratio Lower Upper

62 100

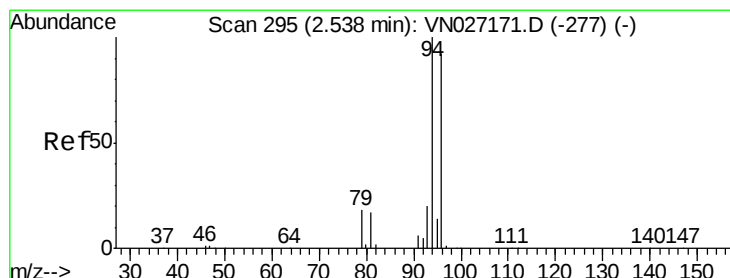
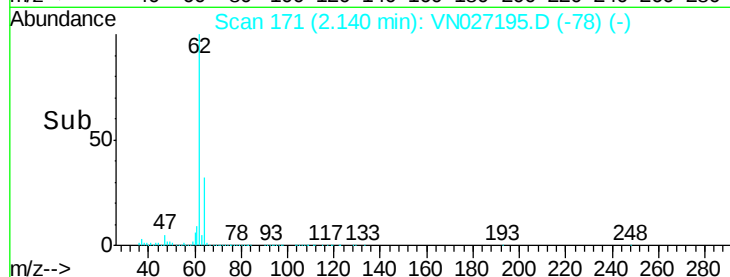
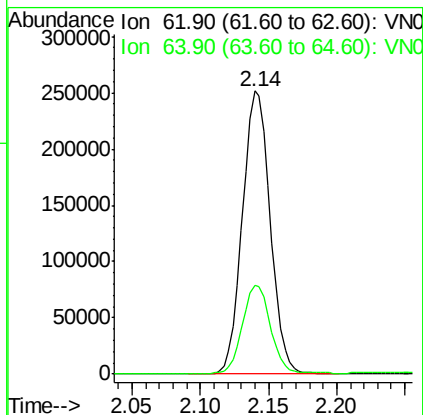
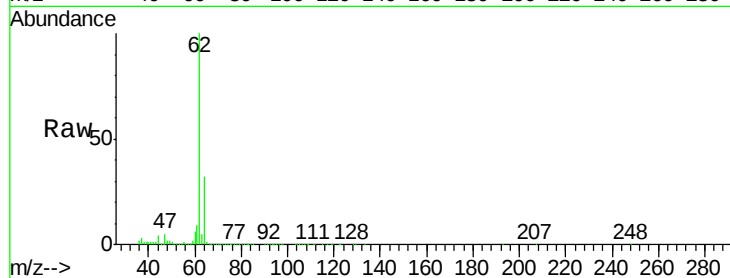
64 31.2 25.9 38.9

Manual Integrations

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#6

Bromomethane

Concen: 43.90 ug/l

RT: 2.54 min Scan# 296

Delta R.T. 0.00 min

Lab File: VN027195.D

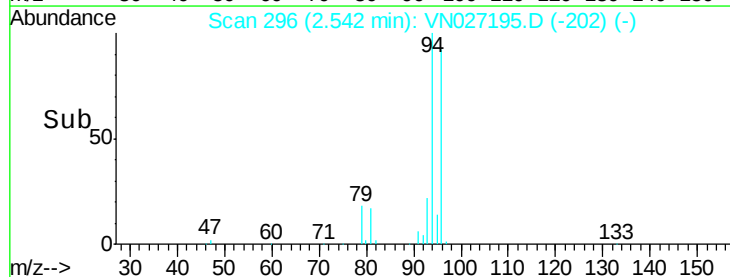
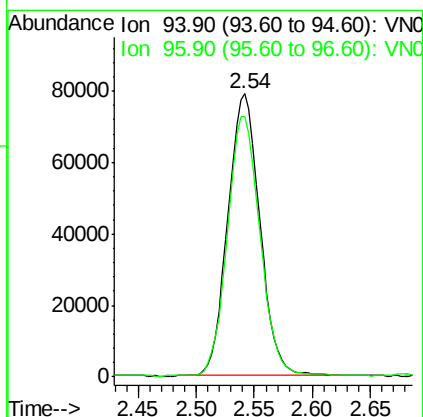
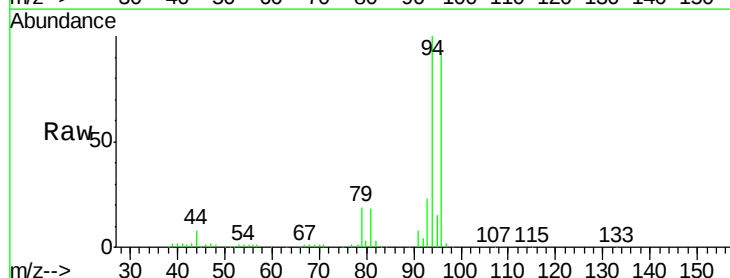
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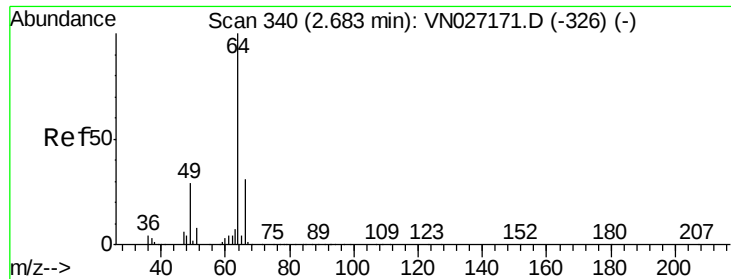
Tgt Ion: 94 Resp: 150802

Ion Ratio Lower Upper

94 100

96 92.1 73.4 110.2





#7

Chloroethane

Concen: 50.72 ug/l

RT: 2.69 min Scan# 341

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion: 64 Resp: 242377

Ion Ratio Lower Upper

64 100

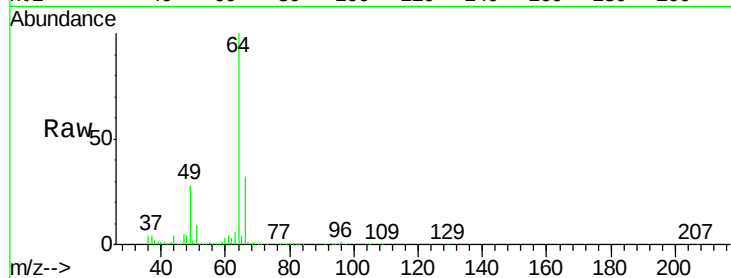
66 32.1 25.5 38.3

Manual Integrations

APPROVED

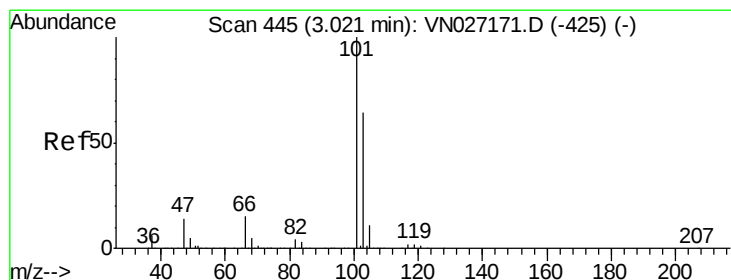
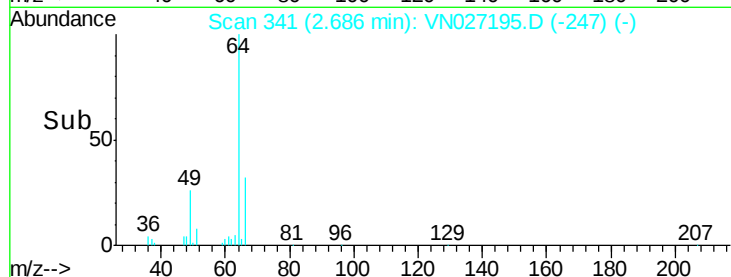
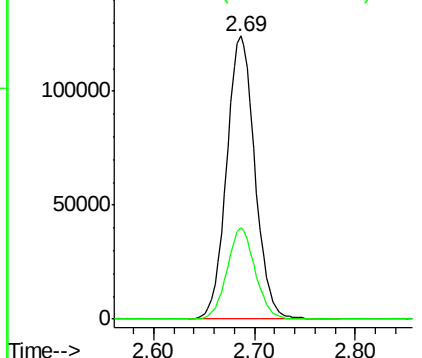
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9/16/2015 11:48:08 AM



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#8

Trichlorofluoromethane

Concen: 50.15 ug/l

RT: 3.02 min Scan# 446

Delta R.T. 0.00 min

Lab File: VN027195.D

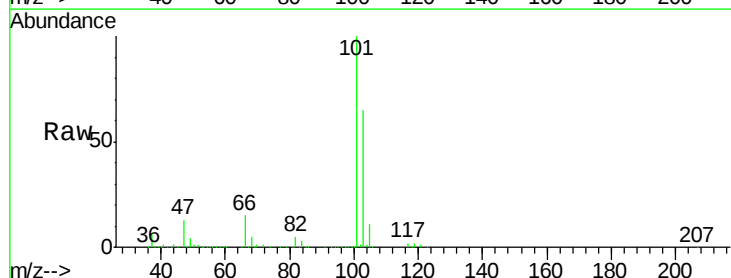
Acq: 16 Sep 2015 6:43

Tgt Ion: 101 Resp: 532556

Ion Ratio Lower Upper

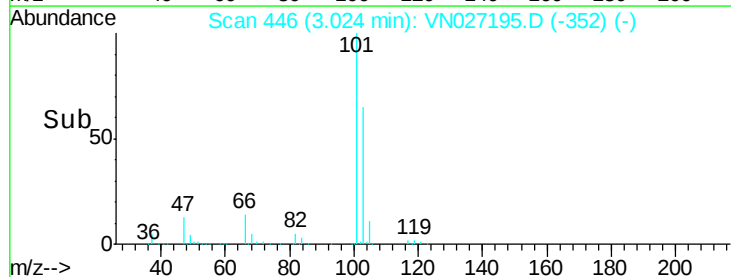
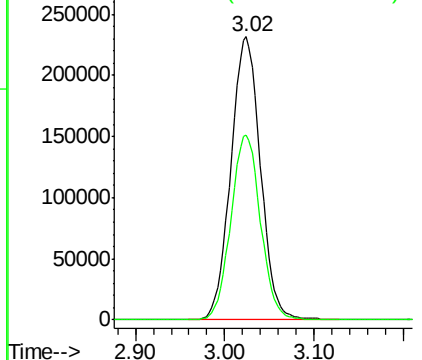
101 100

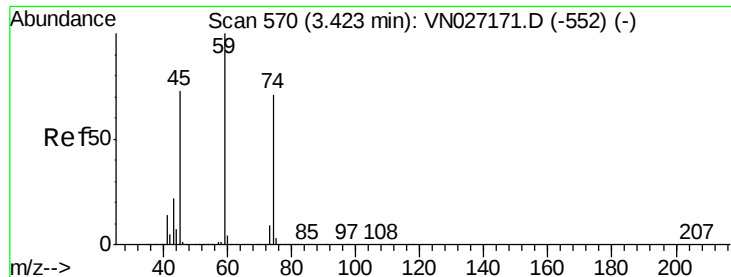
103 65.5 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V





#9

Diethyl Ether

Concen: 52.31 ug/l

RT: 3.42 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion: 74 Resp: 255598

Ion Ratio Lower Upper

74 100

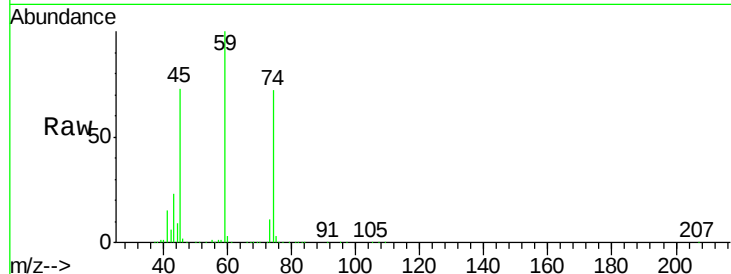
45 98.7 58.1 174.3

Manual Integrations

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Abundance Ion 74.00 (73.70 to 74.70): VN0

Ion 45.00 (44.70 to 45.70): VN0

3.42

120000

100000

80000

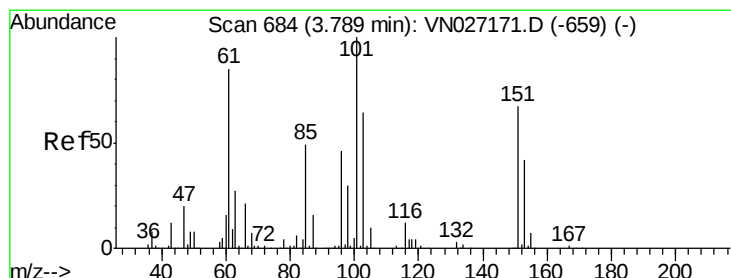
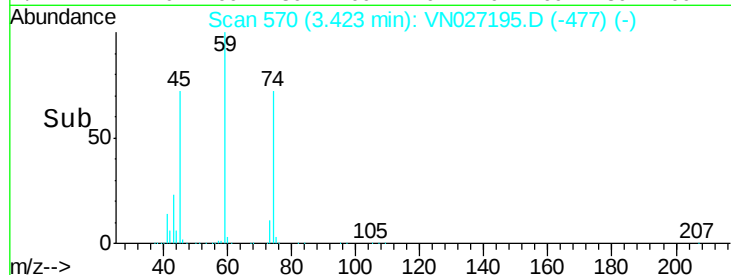
60000

40000

20000

0

Time--> 3.30 3.40 3.50



#10

1,1,2-Trichlorotrifluoroethane

Concen: 45.87 ug/l

RT: 3.79 min Scan# 684

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

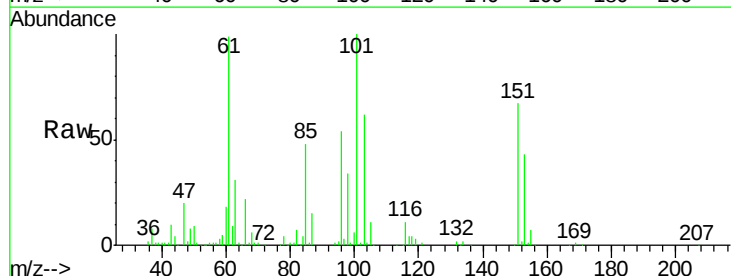
Tgt Ion: 101 Resp: 305913

Ion Ratio Lower Upper

101 100

85 49.1 37.4 56.0

151 68.1 55.9 83.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V

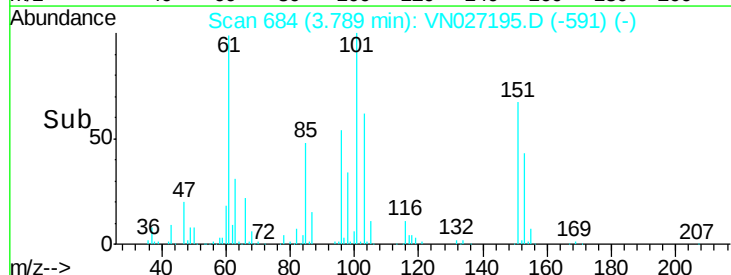
3.79

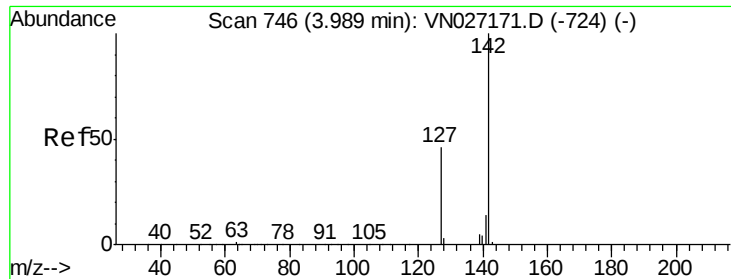
100000

50000

0

Time--> 3.70 3.80 3.90





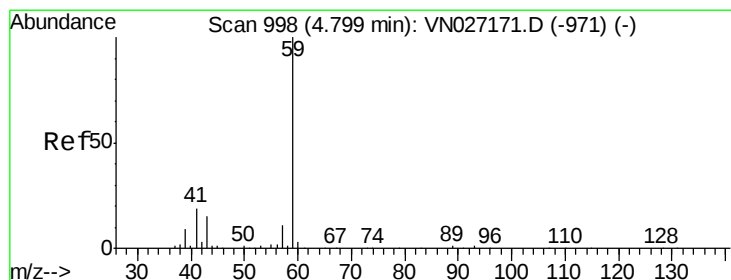
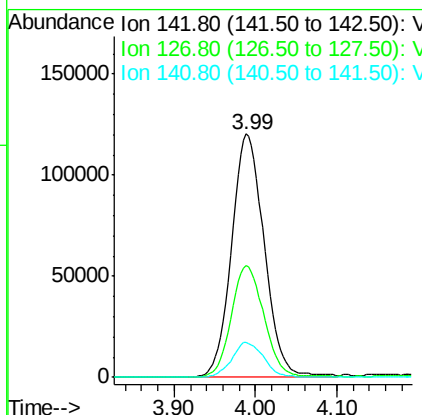
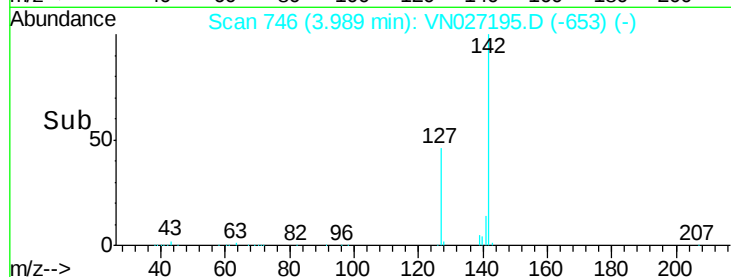
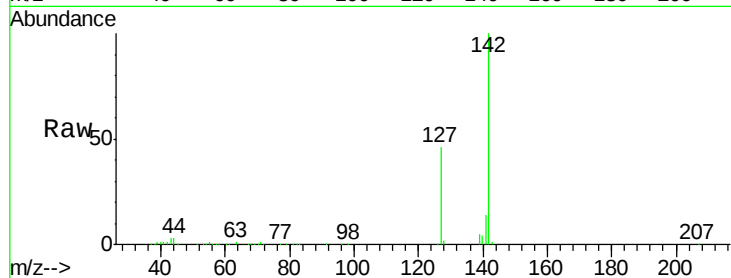
#11
Methvl Iodide
Concen: 51.95 ug/l
RT: 3.99 min Scan# 746
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

Tot Ion	Ratio	Lower	Upper
142	100		
127	46.0	32.3	48.5
141	14.0	11.2	16.8

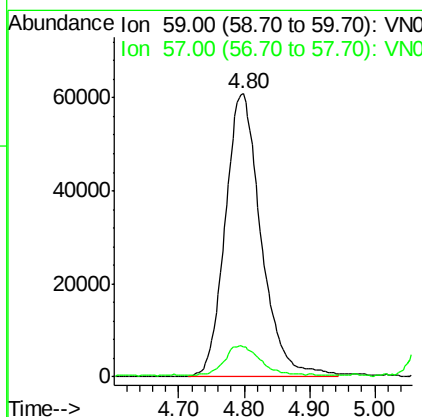
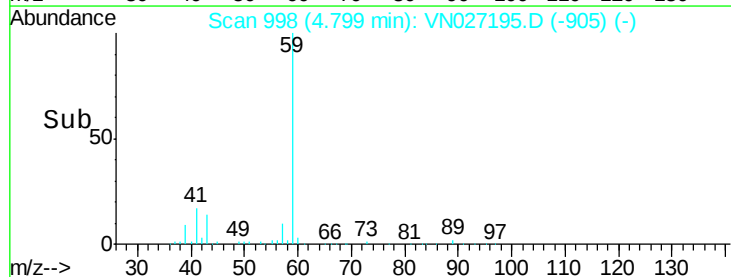
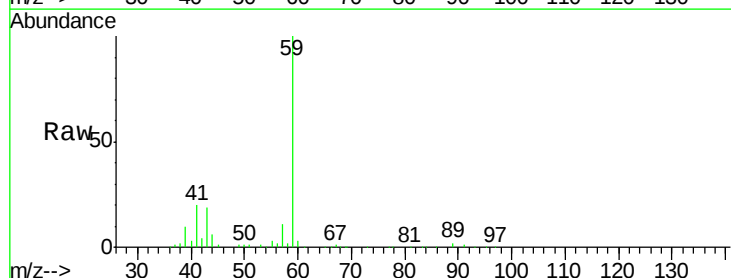
Manual Integrations
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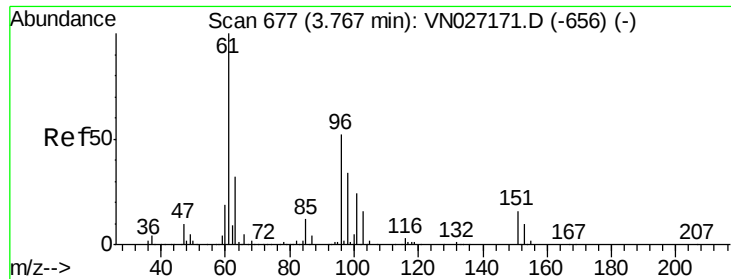
MMDadoda
9/16/2015 11:48:08 AM



#12
Tert butyl alcohol
Concen: 231.34 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.4	7.6	11.4





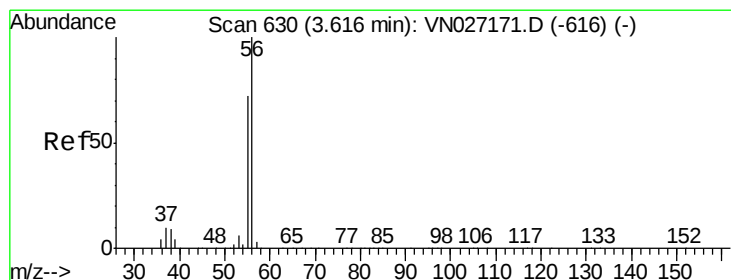
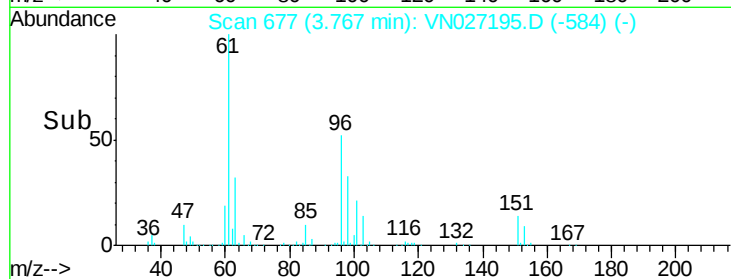
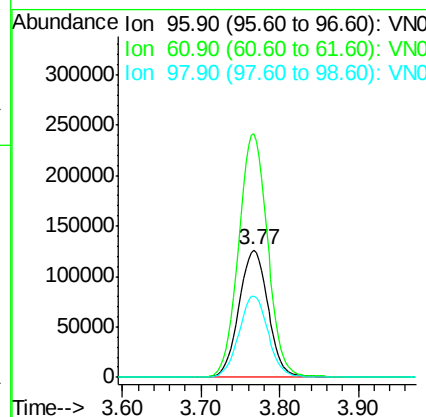
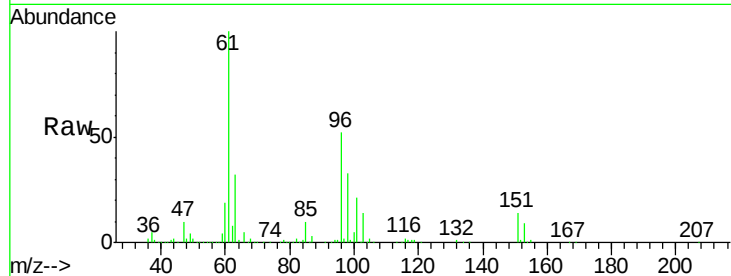
#13
 1,1-Dichloroethene
 Concen: 51.43 ug/l
 RT: 3.77 min Scan# 677
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Lower	Upper
96	100		
61	191.1	143.8	215.8
98	63.9	50.3	75.5

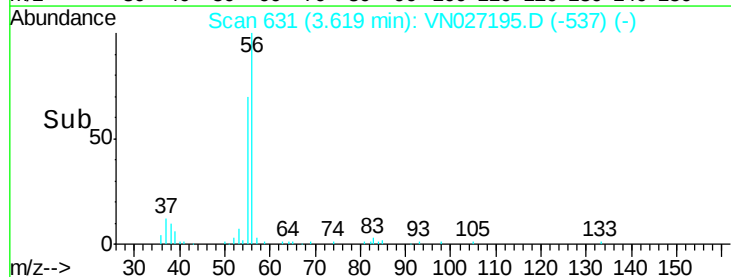
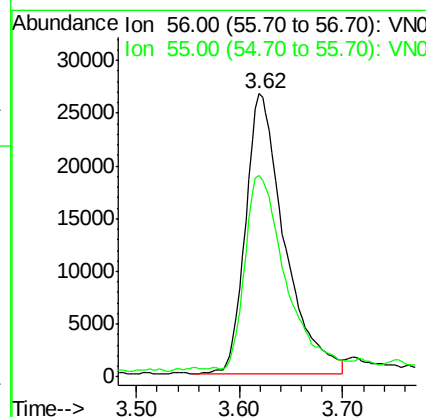
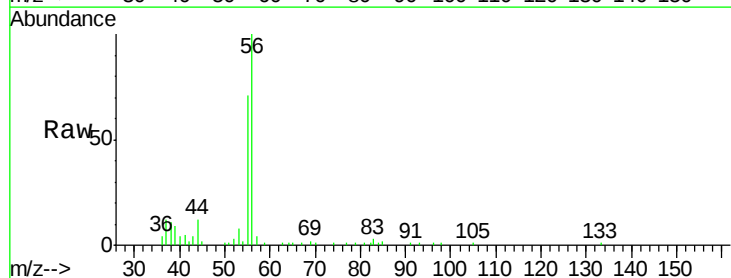
Manual Integrations
 APPROVED

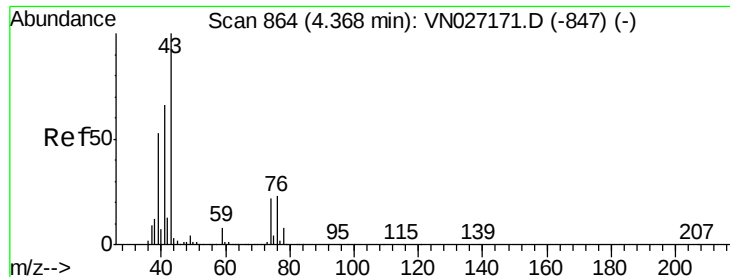
MMDadoda
 9/16/2015 11:48:08 AM



#14
 Acrolein
 Concen: 59.44 ug/l
 RT: 3.62 min Scan# 631
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.5	55.7	83.5





#15

Allvl chloride

Concen: 37.73 ug/l

RT: 4.37 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

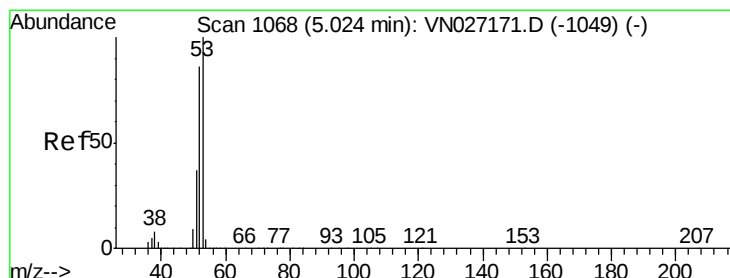
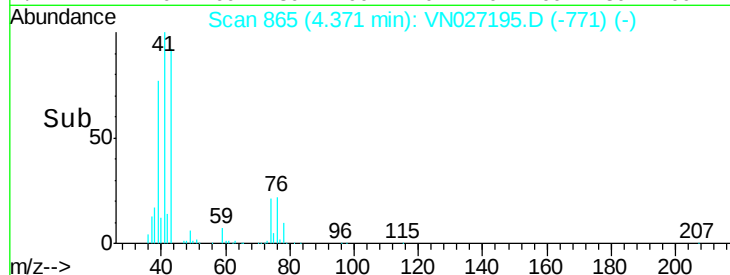
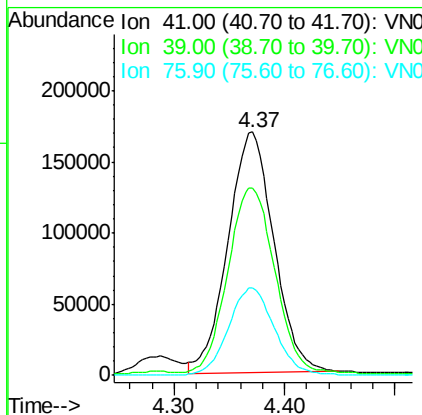
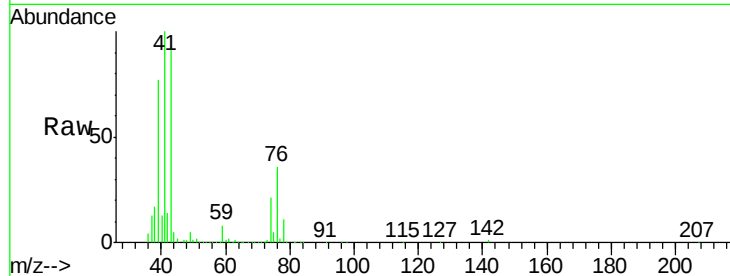
ClientSampleId :

S39-0095MS

Tot Ion:	41	Resp:	486779
Ion	Ratio	Lower	Upper
41	100		
39	79.2	49.7	74.5#
76	35.8	24.8	37.2

Manual Integrations
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#16

Acrylonitrile

Concen: 255.31 ug/l

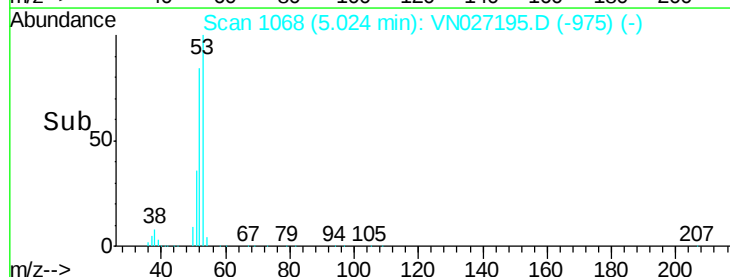
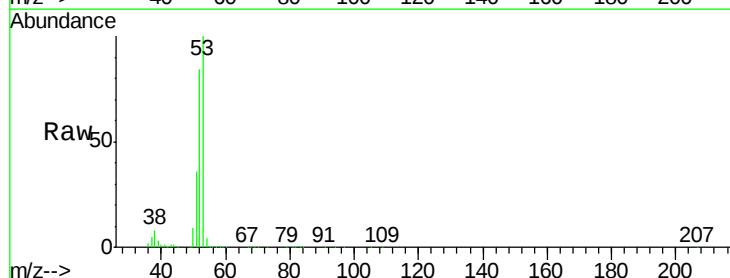
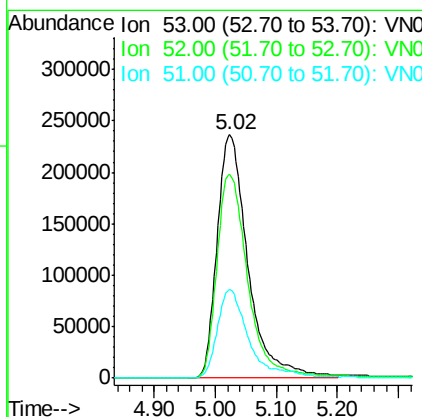
RT: 5.02 min Scan# 1068

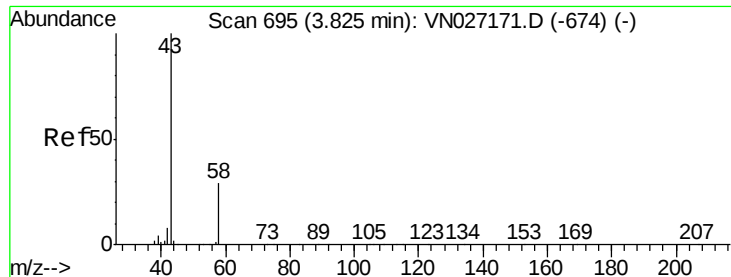
Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tgt Ion:	53	Resp:	832119
Ion	Ratio	Lower	Upper
53	100		
52	83.6	66.9	100.3
51	36.7	27.4	41.0





#17

Acetone

Concen: 246.09 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion: 43 Resp: 676253

Ion Ratio Lower Upper

43 100

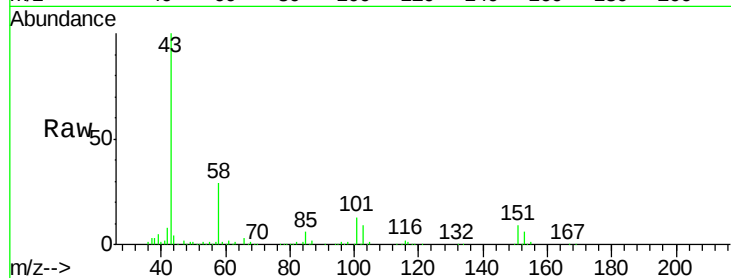
58 29.4 25.4 38.0

Manual Integrations

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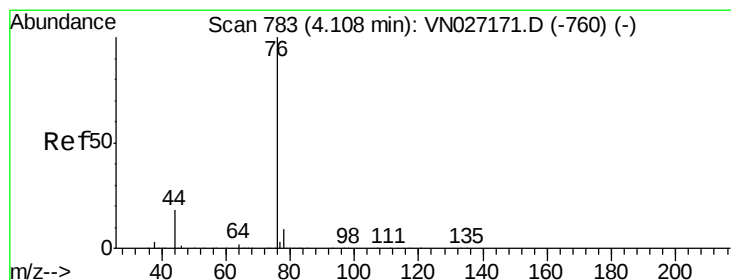
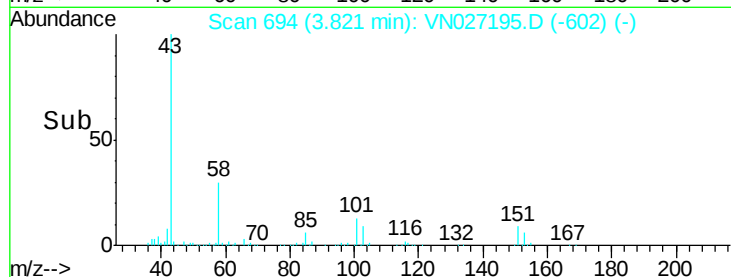
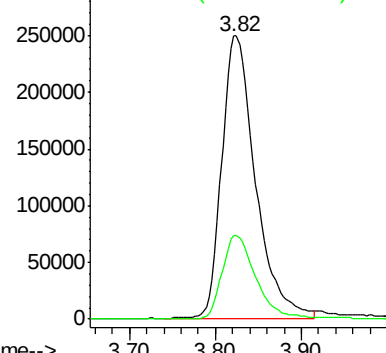
MMDadoda

9/16/2015 11:48:08 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Carbon Disulfide

Concen: 44.49 ug/l

RT: 4.11 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN027195.D

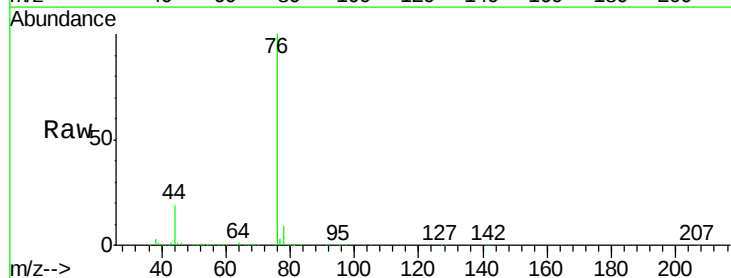
Acq: 16 Sep 2015 6:43

Tgt Ion: 76 Resp: 925270

Ion Ratio Lower Upper

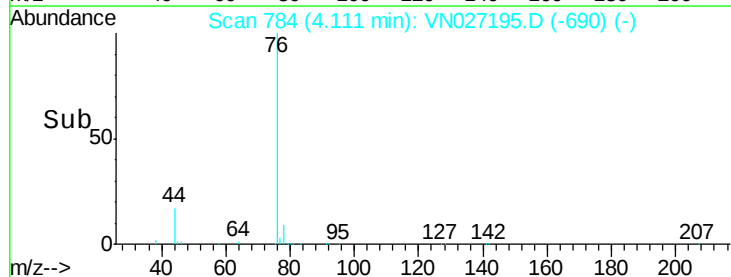
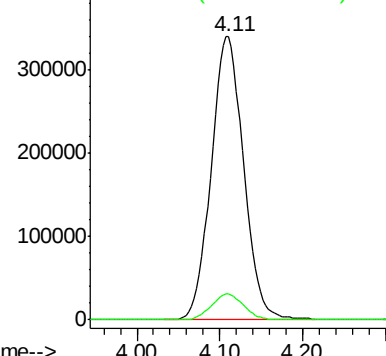
76 100

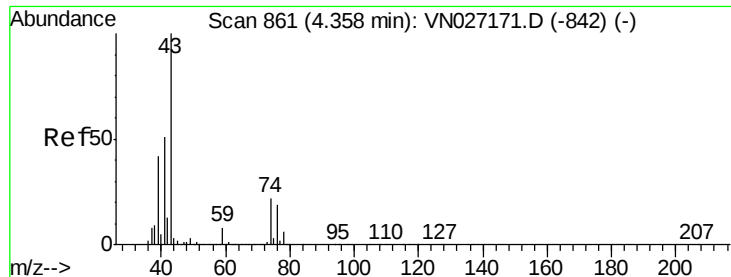
78 9.2 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0





#19

Methvl Acetate

Concen: 27.33 ug/l

RT: 4.36 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion: 43 Resp: 543975

Ion Ratio Lower Upper

43 100

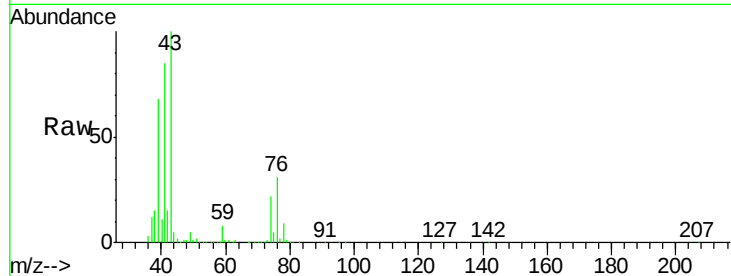
74 22.2 16.2 24.2

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.36

200000

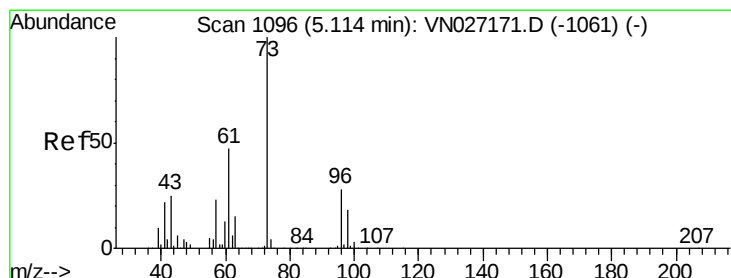
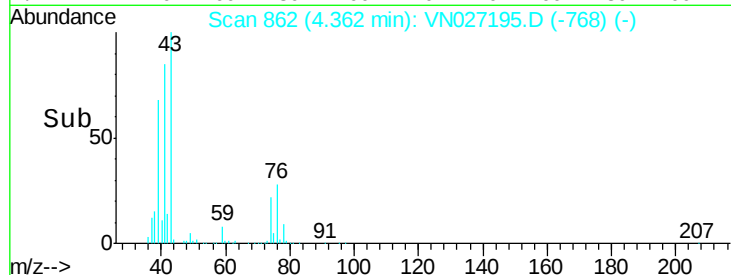
150000

100000

50000

0

Time--> 4.20 4.30 4.40 4.50



#20

Methyl tert-butyl Ether

Concen: 50.84 ug/l

RT: 5.11 min Scan# 1096

Delta R.T. 0.00 min

Lab File: VN027195.D

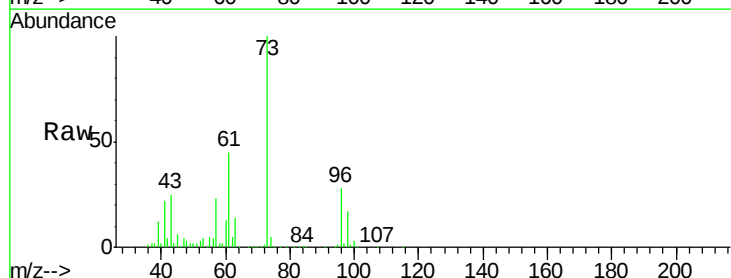
Acq: 16 Sep 2015 6:43

Tgt Ion: 73 Resp: 1303548

Ion Ratio Lower Upper

73 100

57 23.3 19.8 29.6



Abundance Ion 73.00 (72.70 to 73.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

5.11

400000

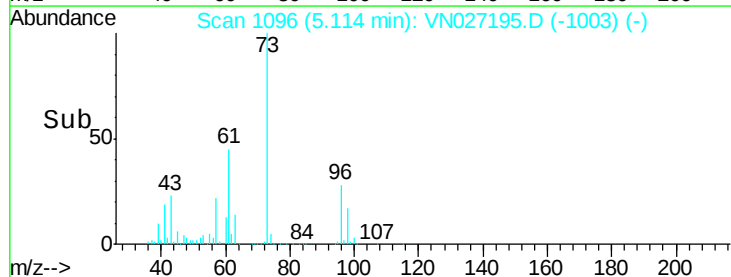
300000

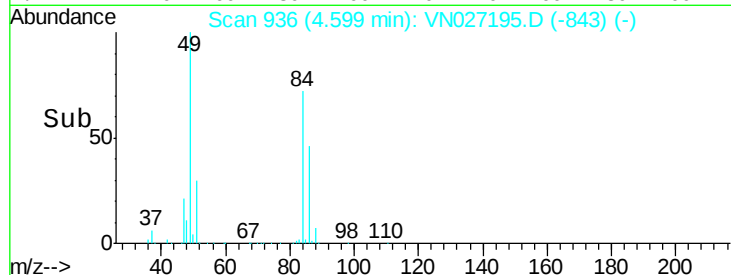
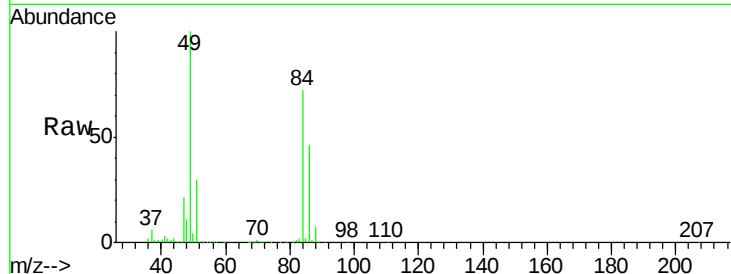
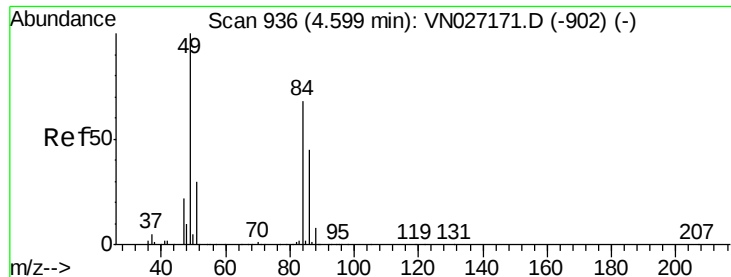
200000

100000

0

Time--> 5.00 5.10 5.20 5.30





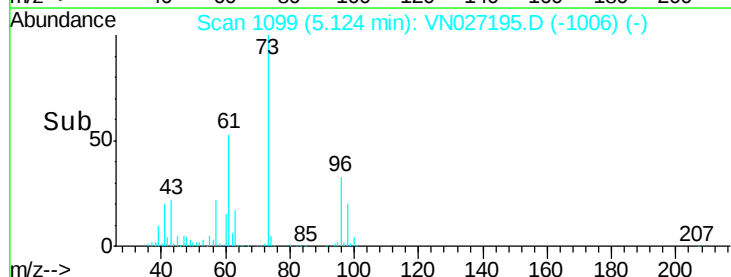
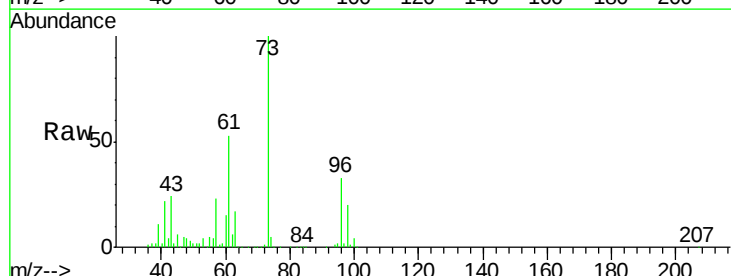
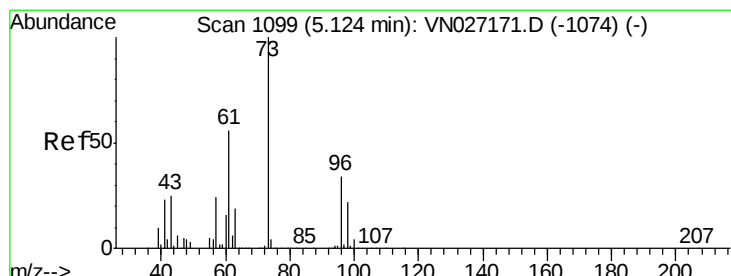
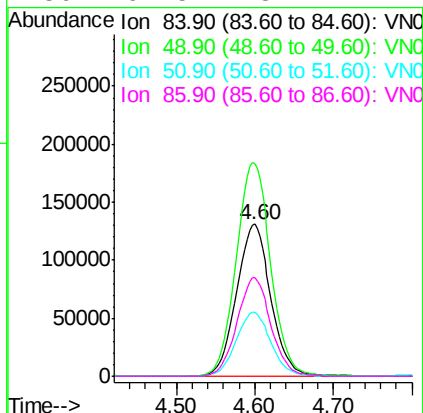
#21
Methvlene Chloride
Concen: 52.11 ug/l
RT: 4.60 min Scan# 936
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tot Ion	84	Resp	398875
Ion Ratio	Lower	Upper	
84	100		
49	139.6	112.3	168.5
51	41.9	33.8	50.8
86	64.5	48.2	72.4

Instrument :
MSVOA_N
ClientSampled :
S39-0095MS

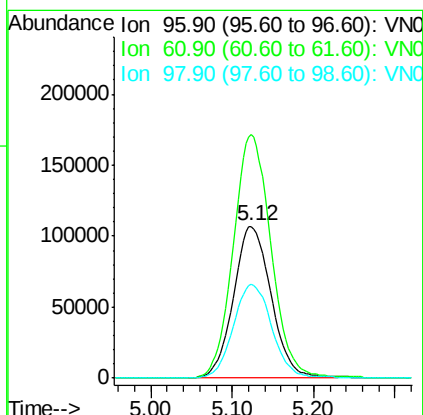
Manual Integrations
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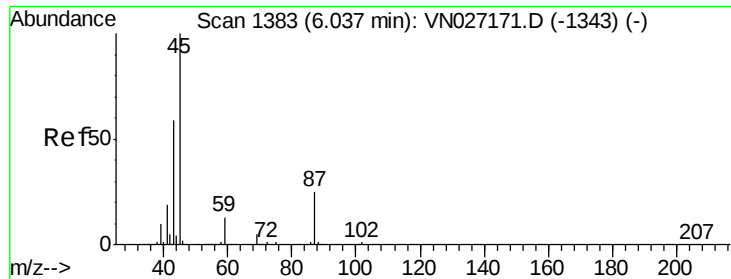
MMDadoda
9/16/2015 11:48:08 AM



#22
trans-1,2-Dichloroethene
Concen: 49.41 ug/l
RT: 5.12 min Scan# 1099
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	96	Resp	341314
Ion Ratio	Lower	Upper	
96	100		
61	160.3	126.6	189.8
98	61.5	47.4	71.2





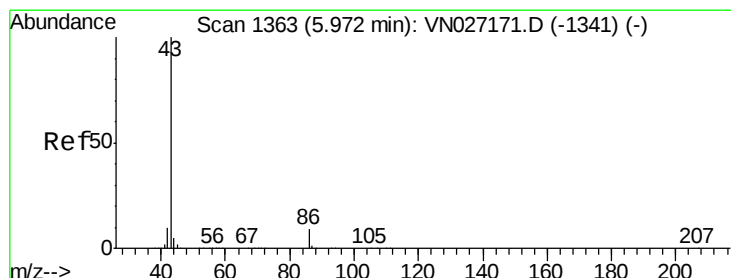
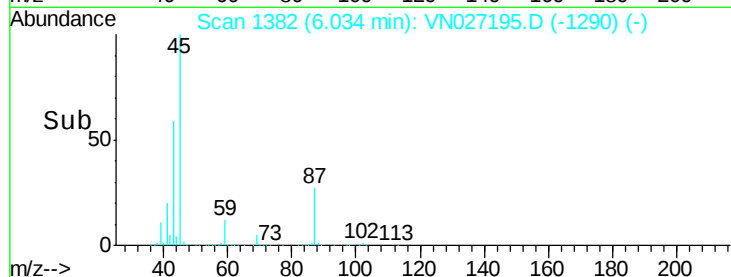
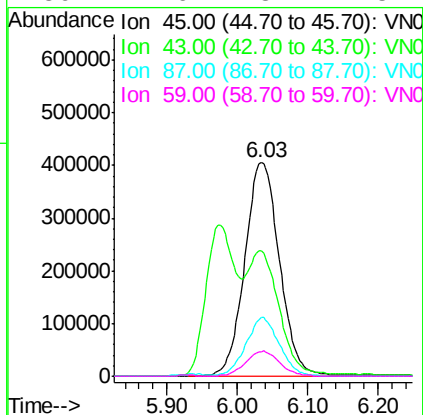
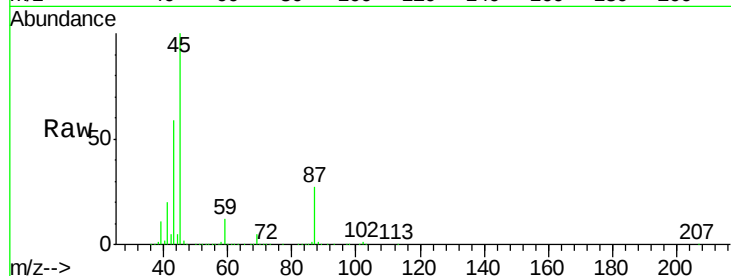
#23
Diisopropyl ether
Concen: 51.28 ug/l
RT: 6.03 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

Tot Ion	Ratio	Lower	Upper
45	100		
43	57.4	41.0	61.6
87	27.3	17.5	26.3
59	11.6	8.7	13.1

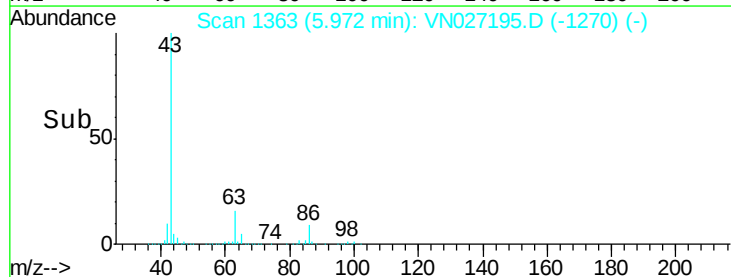
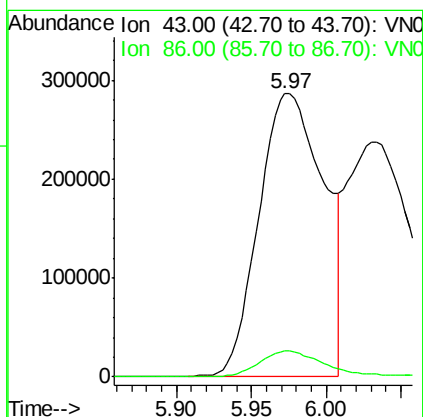
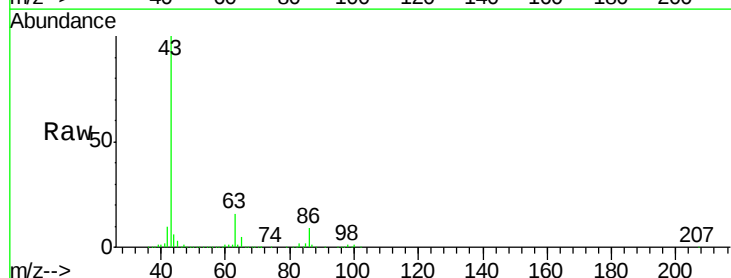
Manual Integrations
APPROVED

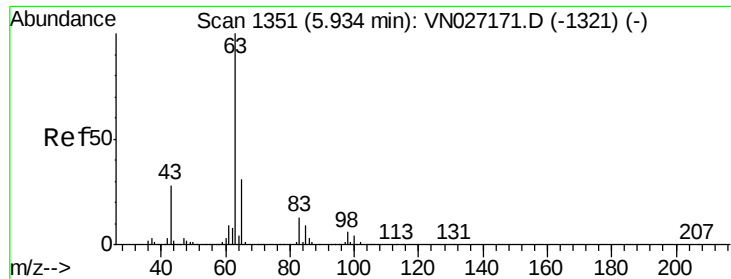
MMDadoda
9/16/2015 11:48:08 AM



#24
Vinyl Acetate
Concen: 95.84 ug/l
RT: 5.97 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.0	6.9	10.3





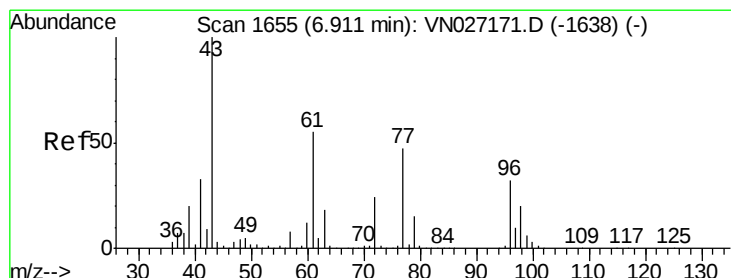
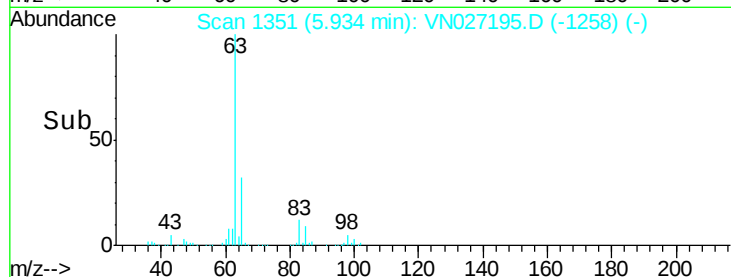
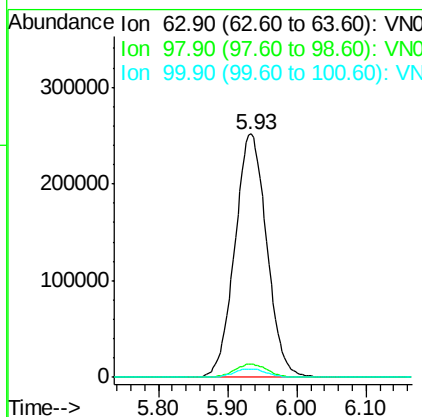
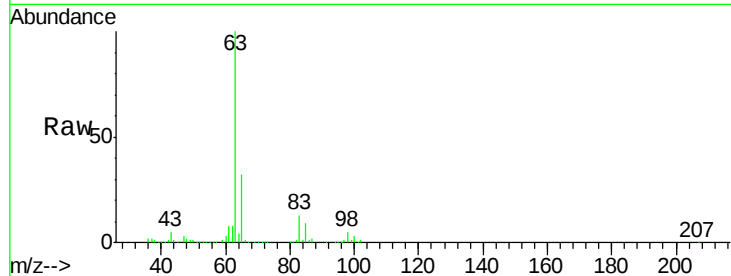
#25
 1,1-Dichloroethane
 Concen: 51.31 ug/l
 RT: 5.93 min Scan# 1351
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Resp Lower	Resp Upper
63	100		
98	5.5	2.8	8.3
100	3.4	1.7	5.0

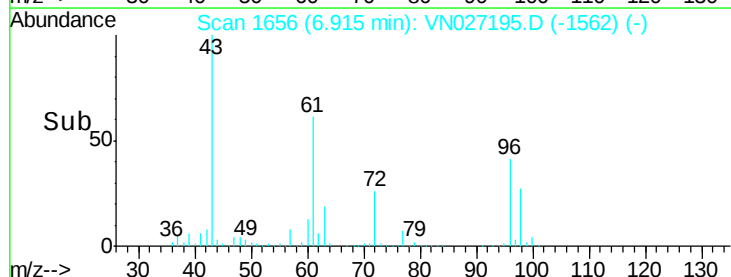
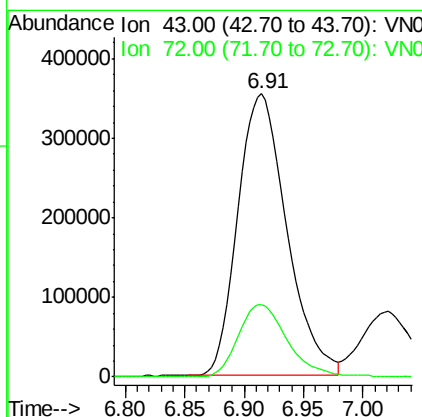
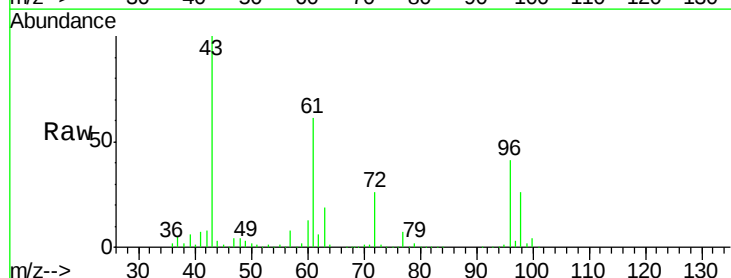
Manual Integrations
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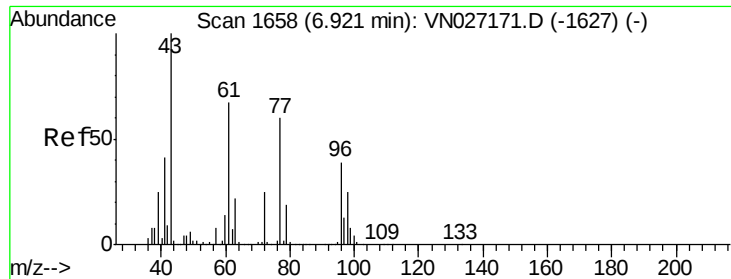
MMDadoda
 9/16/2015 11:48:08 AM



#26
 2-Butanone
 Concen: 244.32 ug/l
 RT: 6.91 min Scan# 1656
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp Lower	Resp Upper
43	100		
72	25.7	18.8	28.2





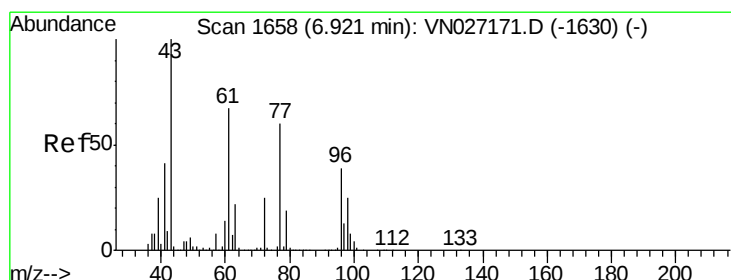
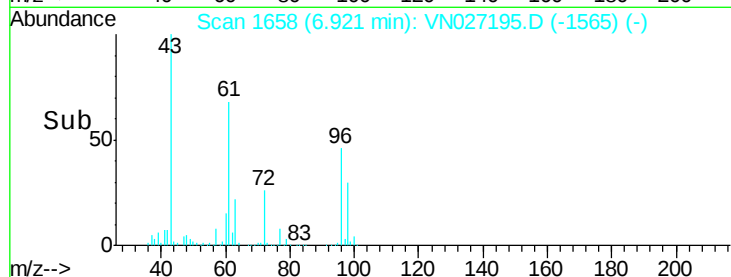
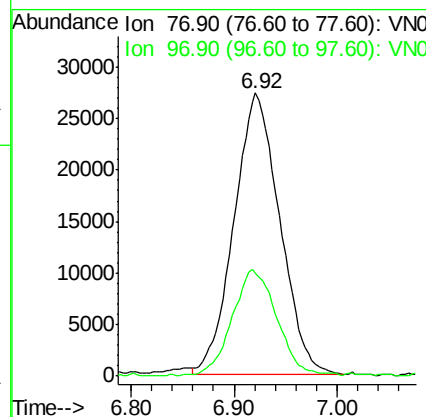
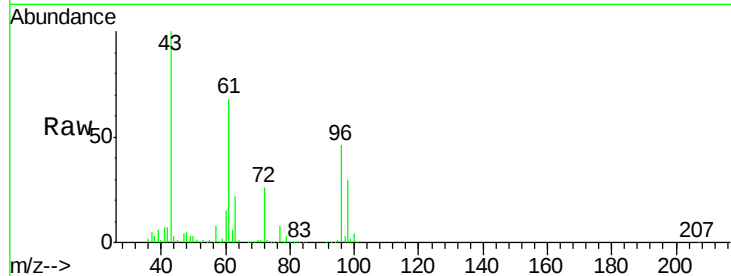
#27
 2,2-Dichloropropane
 Concen: 6.15 ug/l
 RT: 6.92 min Scan# 1658
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
77	100			
97	35.5	11.8	35.3#	

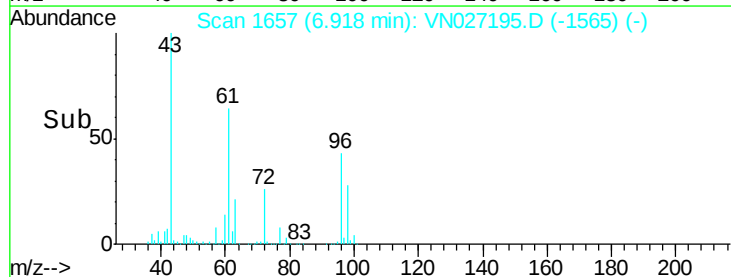
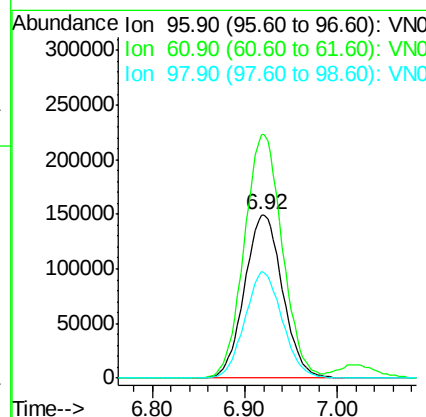
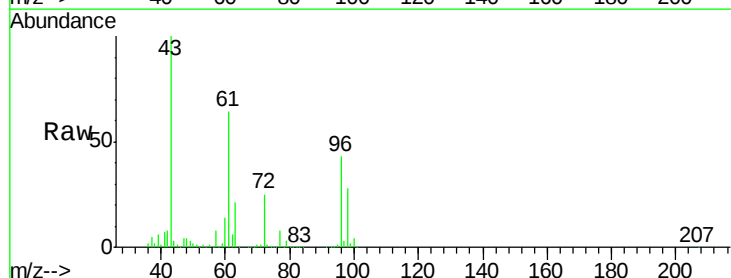
Manual Integrations
 APPROVED

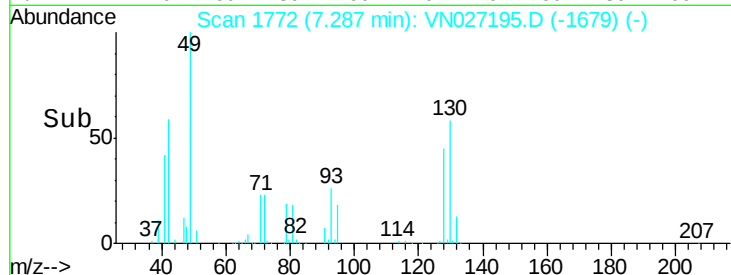
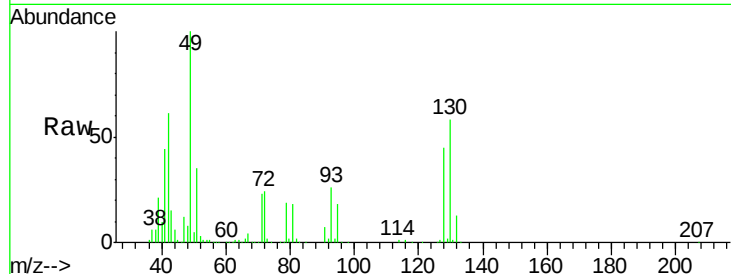
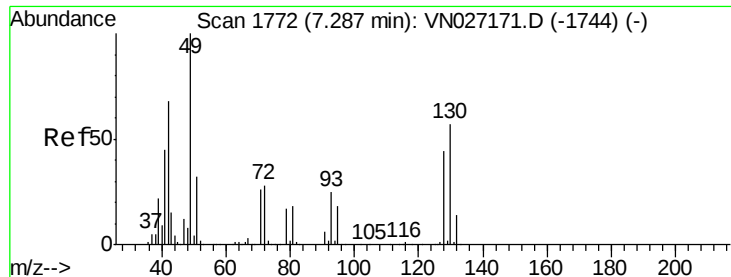
MMDadoda
 9/16/2015 11:48:08 AM



#28
 cis-1,2-Dichloroethene
 Concen: 53.76 ug/l
 RT: 6.92 min Scan# 1657
 Delta R.T. -0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
96	100			
61	148.6	0.0	329.2	
98	64.3	0.0	126.0	





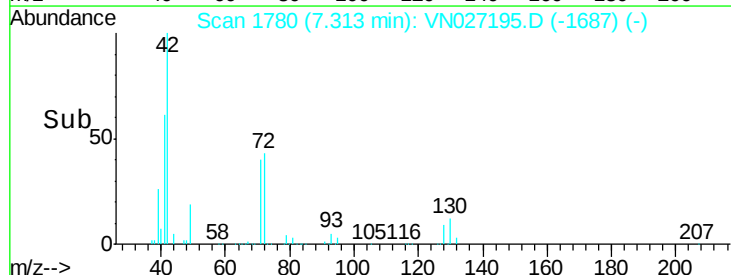
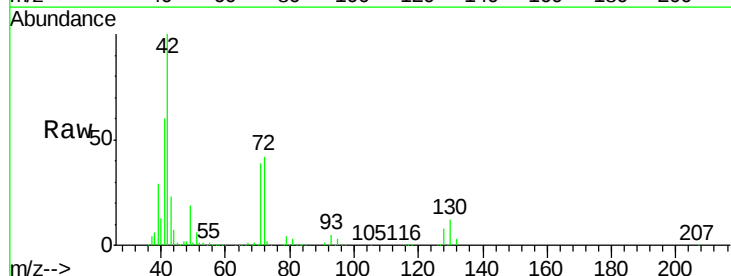
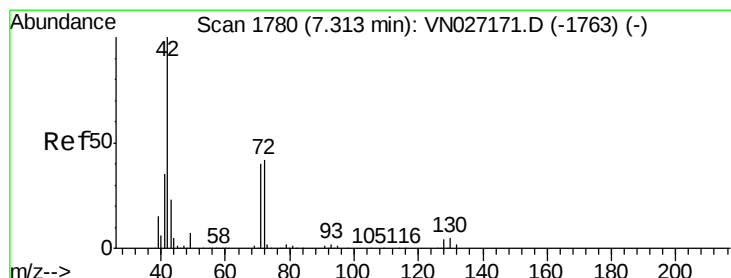
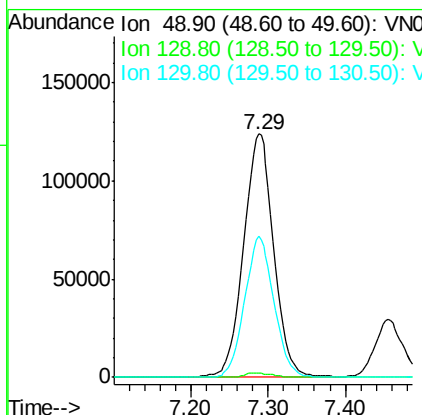
#29
Bromochloromethane
Concen: 55.16 ug/l
RT: 7.29 min Scan# 1772
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tot Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.5	0.0	3.2	
130	56.1	43.2	64.8	

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

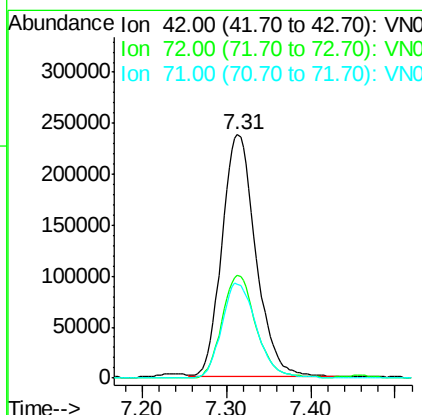
Manual Integrations
APPROVED

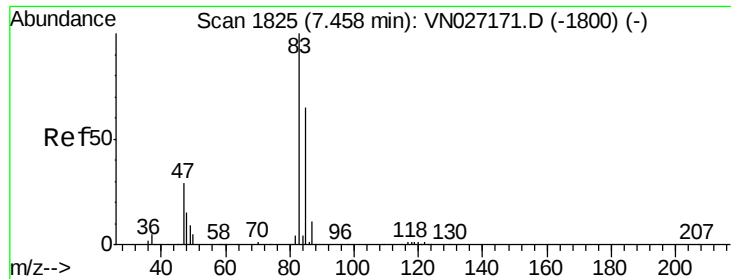
MMDadoda
9/16/2015 11:48:08 AM



#30
Tetrahydrofuran
Concen: 232.16 ug/l
RT: 7.31 min Scan# 1780
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
42	100			
72	42.8	29.9	44.9	
71	40.6	28.3	42.5	





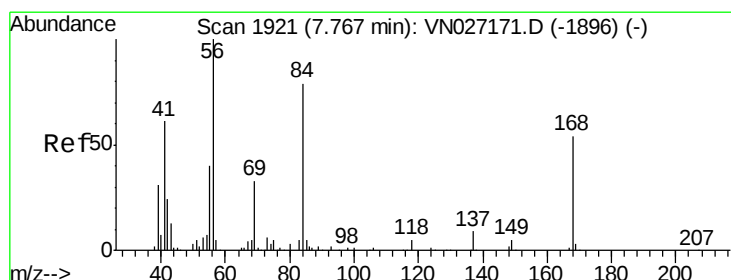
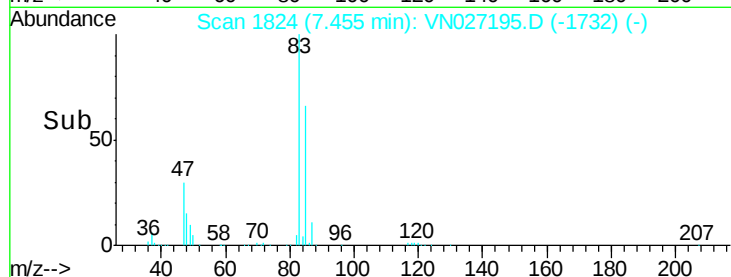
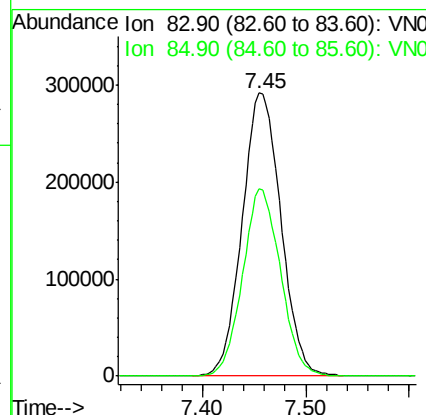
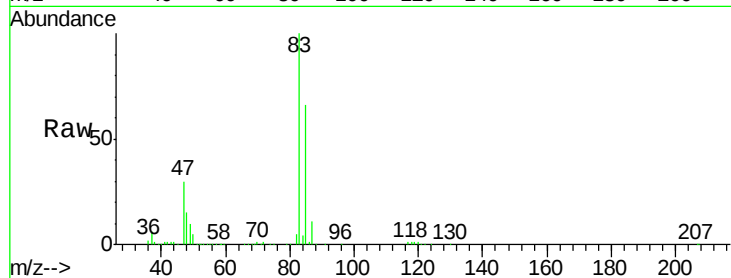
#31
Chloroform
Concen: 53.51 ug/l
RT: 7.45 min Scan# 1824
Delta R.T. -0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.0	51.1	76.7

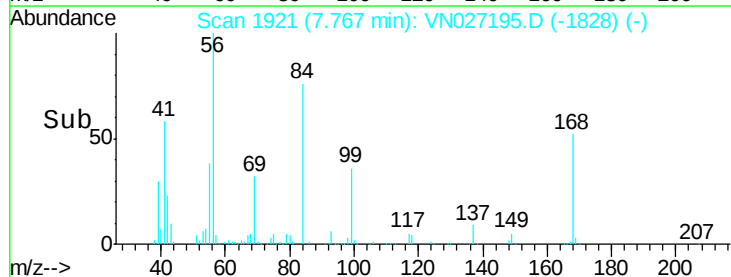
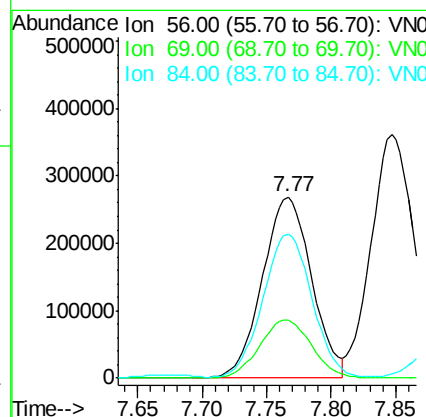
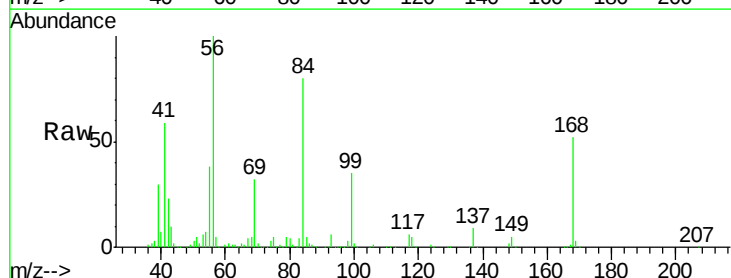
Manual Integrations
APPROVED

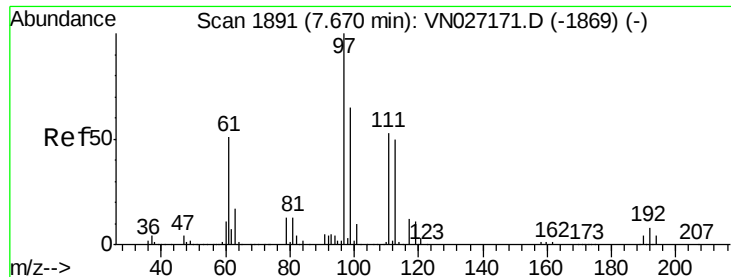
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9/16/2015 11:48:08 AM



#32
Cyclohexane
Concen: 50.82 ug/l
RT: 7.77 min Scan# 1921
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.9	23.0	34.4
84	78.7	57.8	86.8





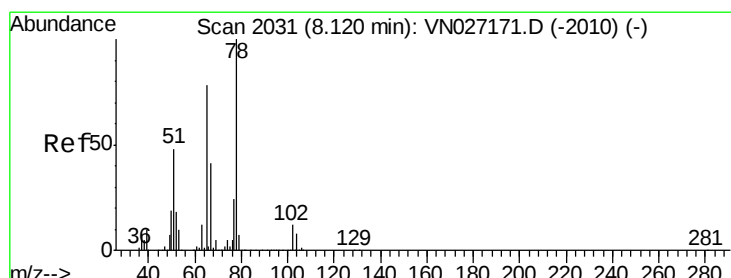
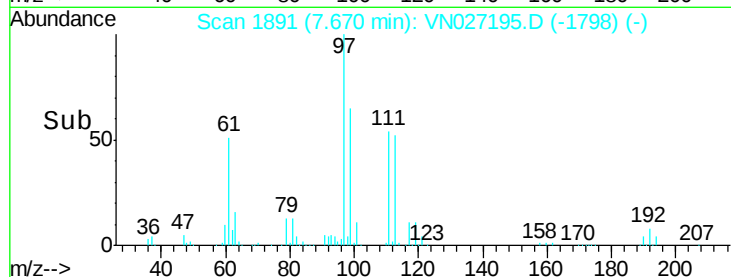
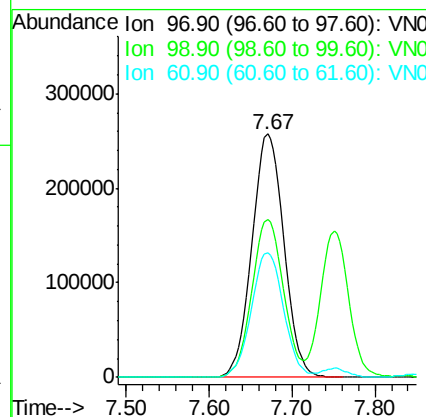
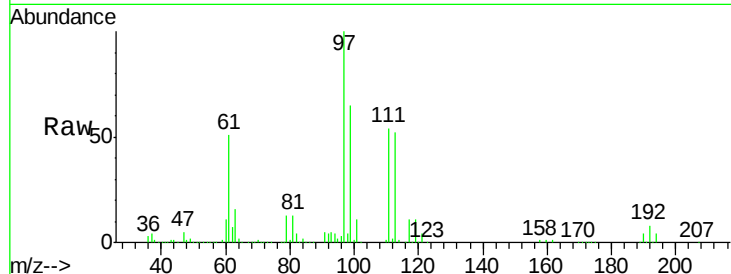
#33
 1,1,1-Trichloroethane
 Concen: 54.50 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Lower	Upper
97	100		
99	63.9	50.1	75.1
61	51.6	44.0	66.0

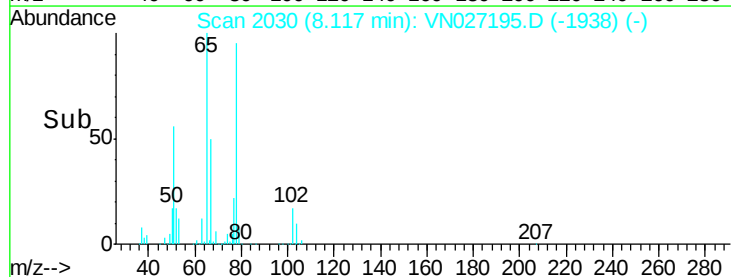
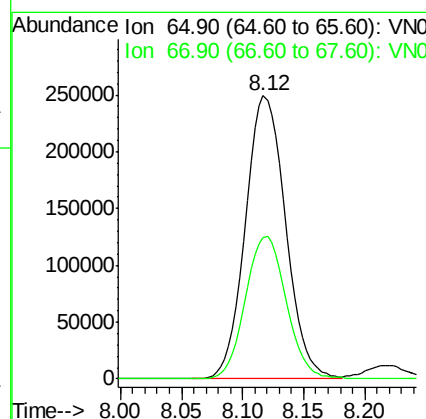
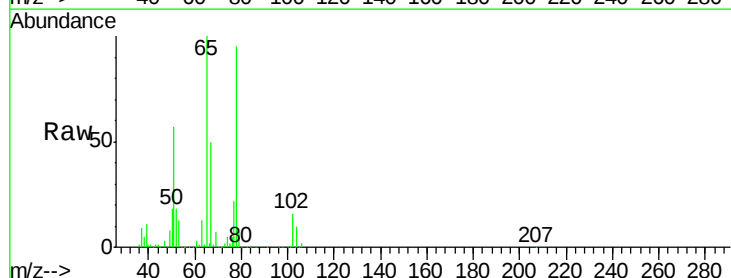
Manual Integrations
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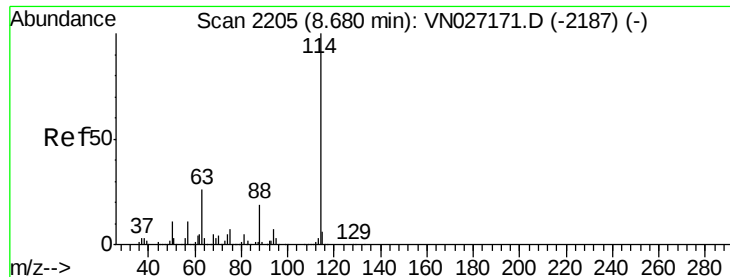
MMDadoda
 9/16/2015 11:48:08 AM



#34
 1,2-Dichloroethane-d4
 Concen: 55.80 ug/l
 RT: 8.12 min Scan# 2030
 Delta R.T. -0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.7	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: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion:114 Resp: 1063488

Ion Ratio Lower Upper

114 100

63 25.2 0.0 48.8

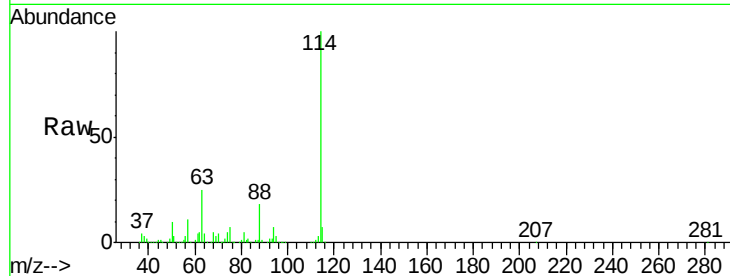
88 17.7 0.0 32.2

Manual Integrations

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MMDadoda

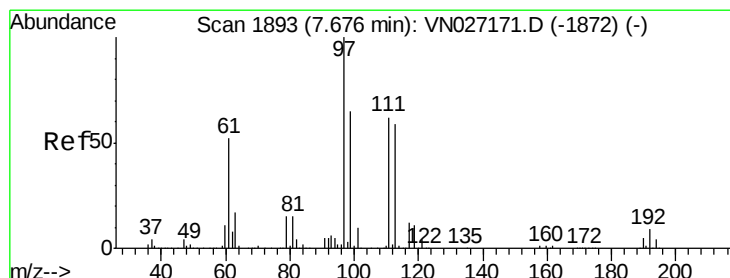
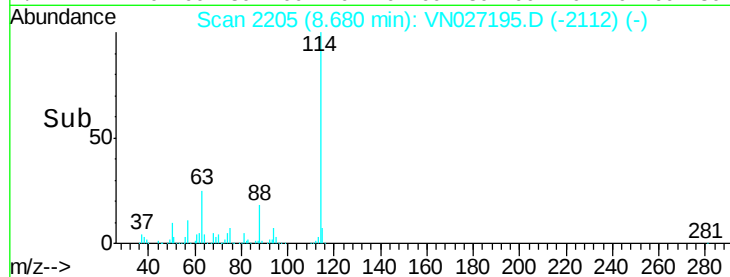
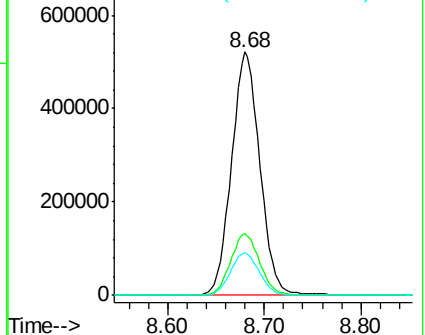
9/16/2015 11:48:08 AM



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#36

Dibromofluoromethane

Concen: 49.93 ug/l

RT: 7.68 min Scan# 1893

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

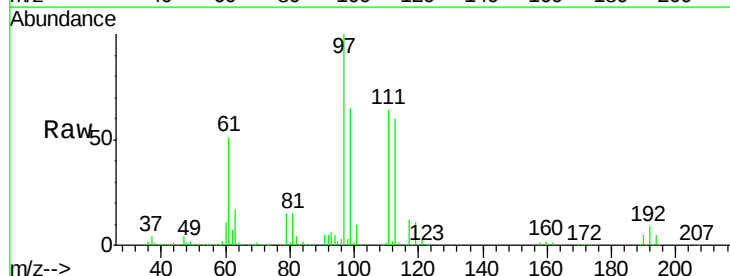
Tgt Ion:113 Resp: 368085

Ion Ratio Lower Upper

113 100

111 105.6 83.0 124.4

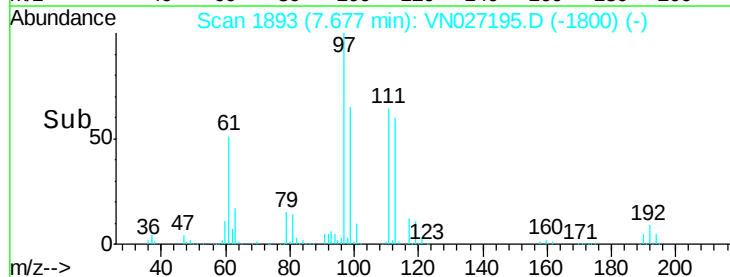
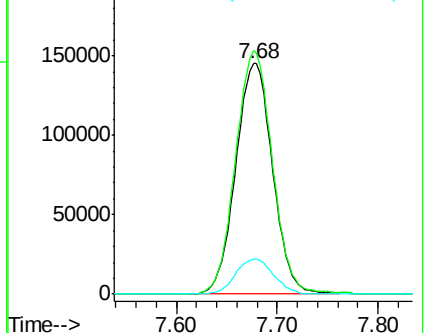
192 15.6 14.1 21.1

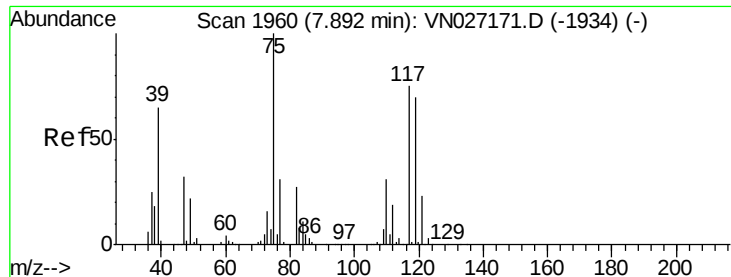


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





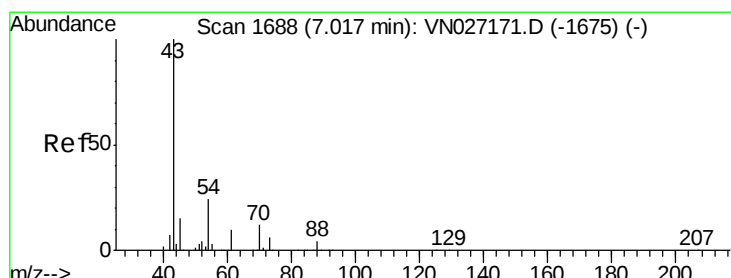
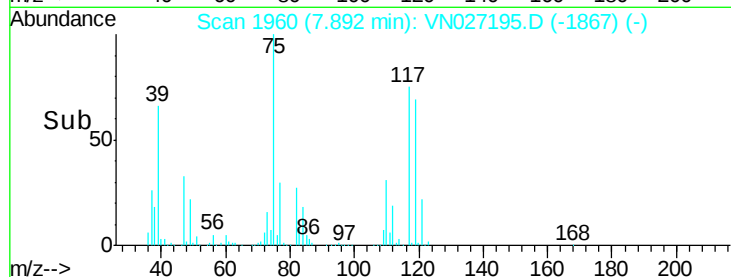
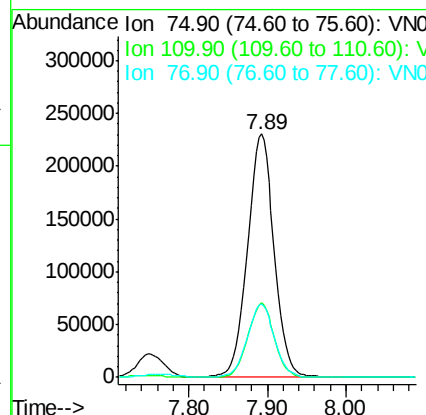
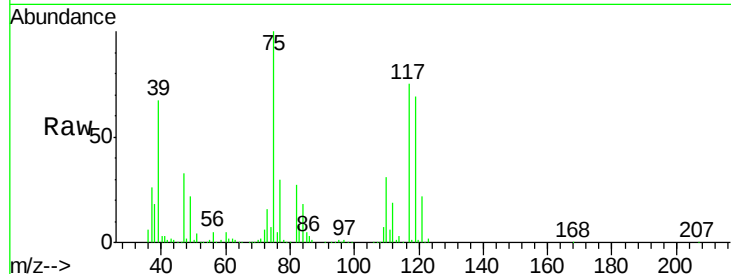
#37
 1,1-Dichloropropene
 Concen: 44.02 ug/l
 RT: 7.89 min Scan# 1960
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

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

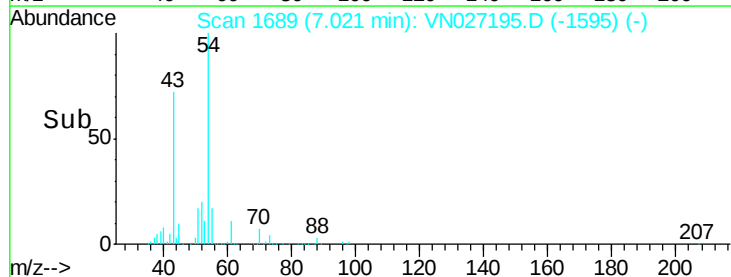
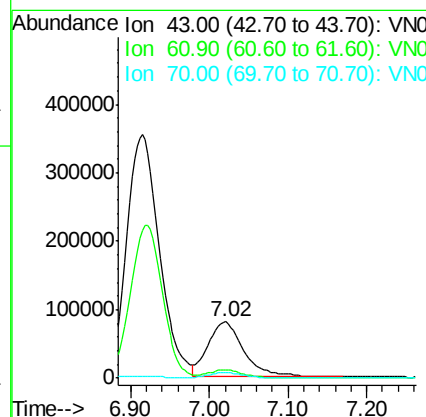
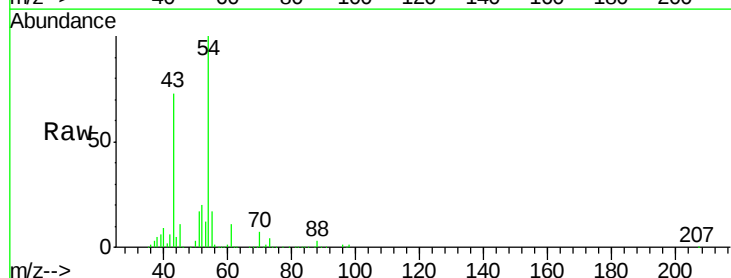
Manual Integrations
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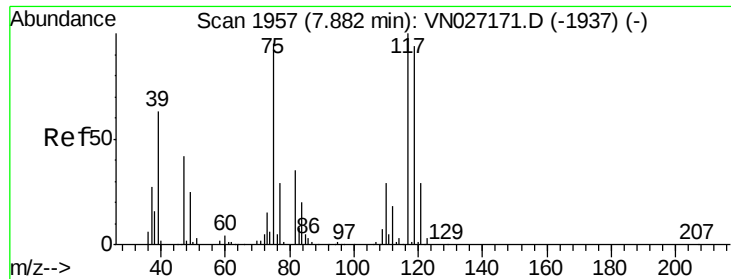
MMDadoda
 9/16/2015 11:48:08 AM



#38
 Ethyl Acetate
 Concen: 23.49 ug/l
 RT: 7.02 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	13.6	10.2	15.4	
70	8.9	7.4	11.0	





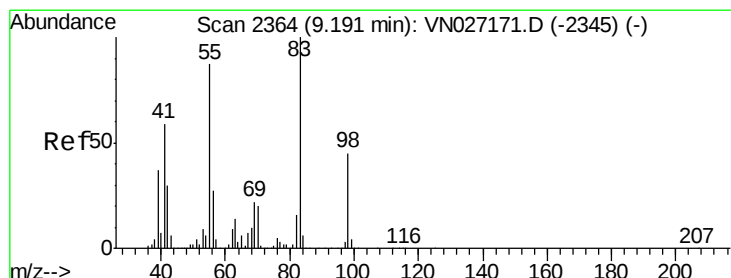
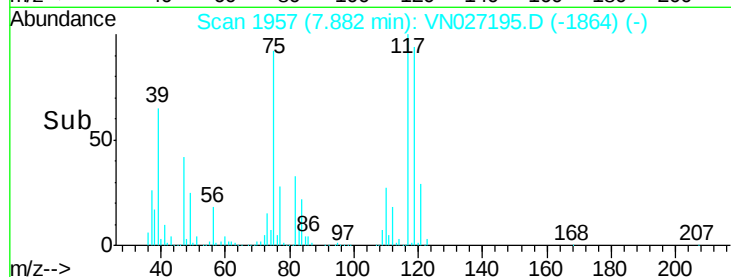
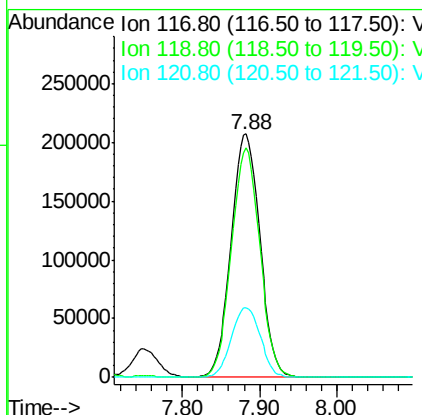
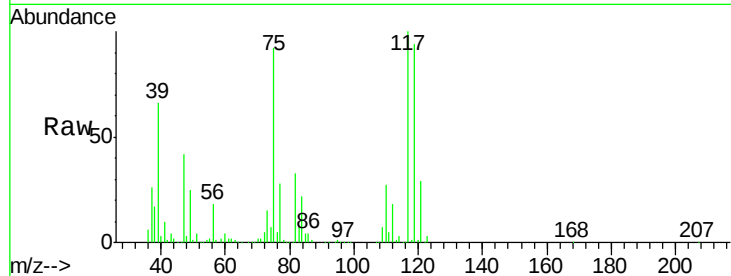
#39
Carbon Tetrachloride
Concen: 45.73 ug/l
RT: 7.88 min Scan# 1957
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampled :
S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	535221		
119	94.4	75.3	112.9	
121	28.8	23.8	35.8	

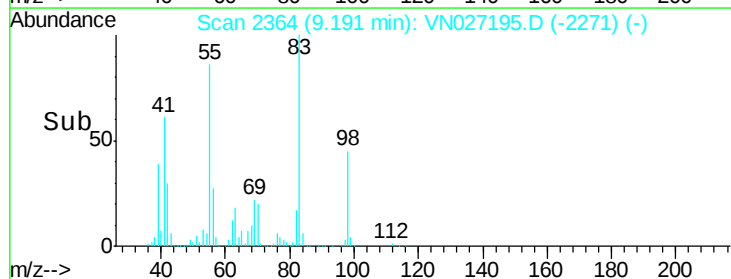
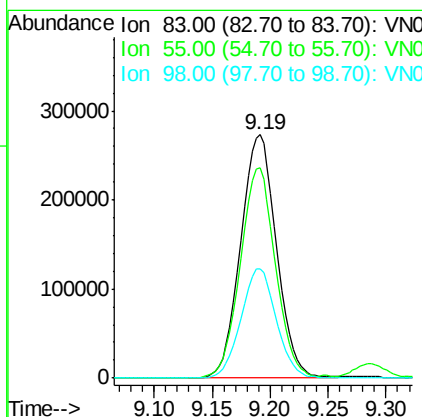
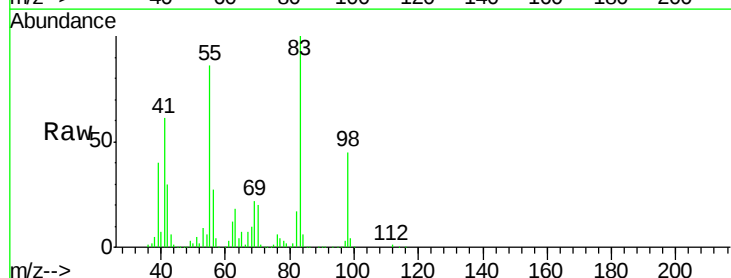
Manual Integrations
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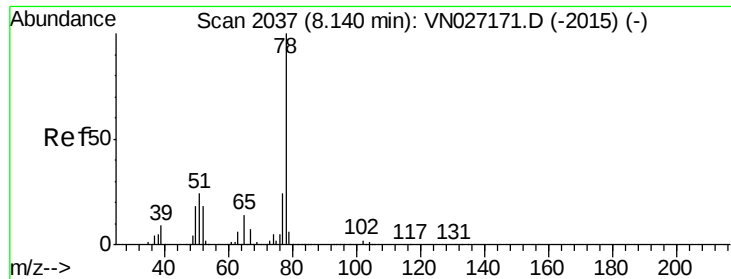
MMDadoda
9/16/2015 11:48:08 AM



#40
Methylcyclohexane
Concen: 38.77 ug/l
RT: 9.19 min Scan# 2364
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	587804		
55	86.1	69.8	104.8	
98	45.1	34.3	51.5	





#41

Benzene

Concen: 45.90 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion: 78 Resp: 1667154

Ion Ratio Lower Upper

78 100

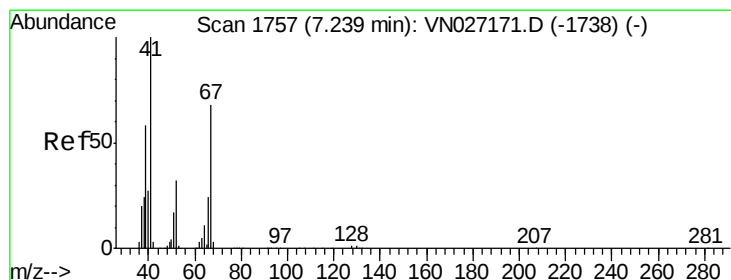
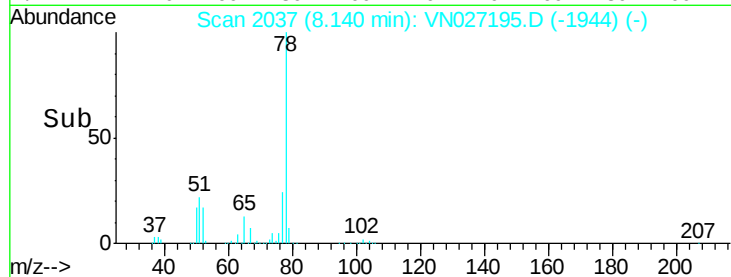
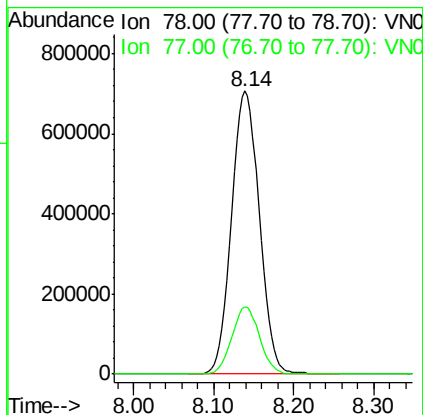
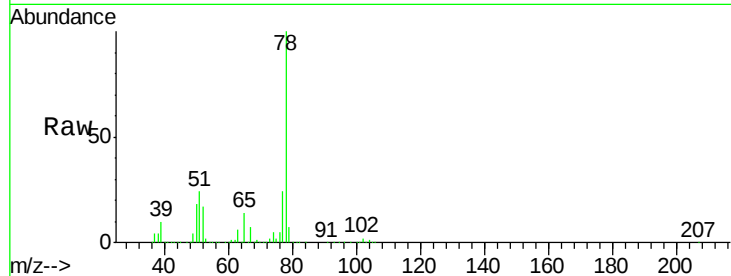
77 23.7 19.0 28.4

Manual Integrations

APPROVED

MMDadoda

9/16/2015 11:48:08 AM



#42

Methacrylonitrile

Concen: 45.15 ug/l

RT: 7.24 min Scan# 1757

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tgt Ion: 41 Resp: 271713

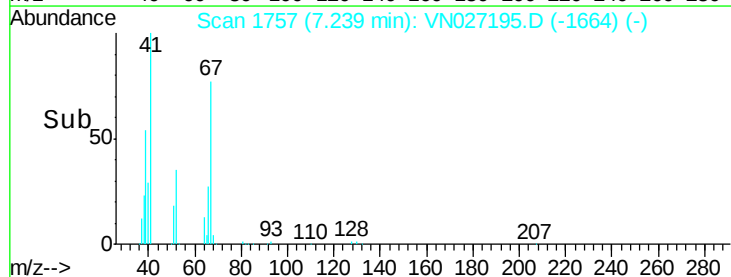
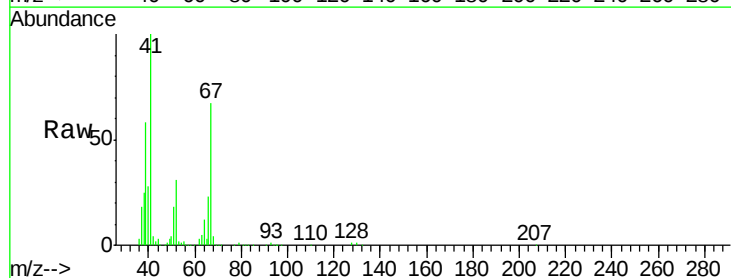
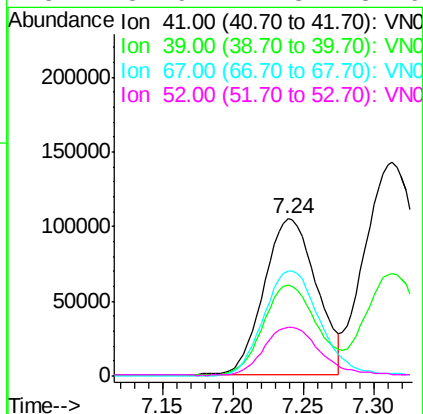
Ion Ratio Lower Upper

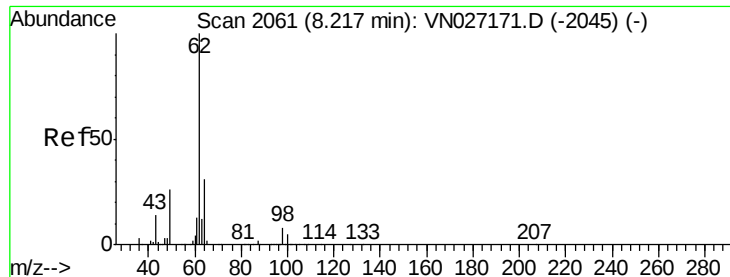
41 100

39 59.5 43.0 64.6

67 71.3 52.2 78.2

52 32.9 21.3 31.9#





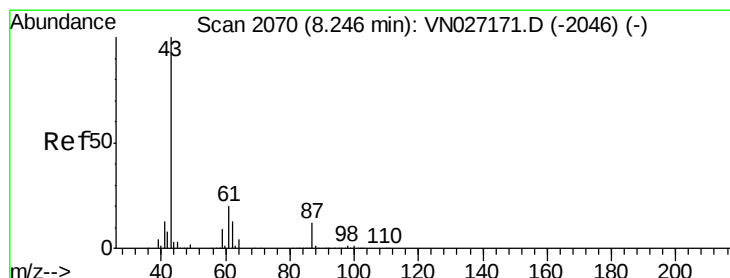
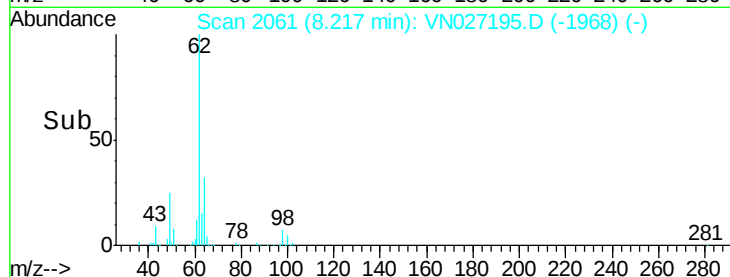
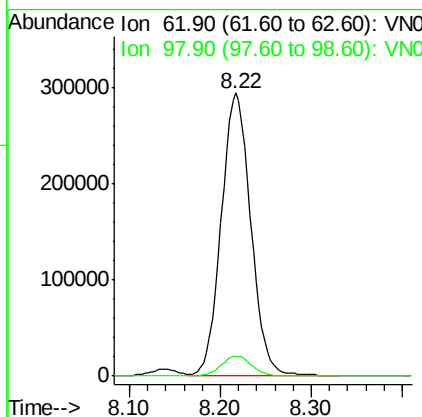
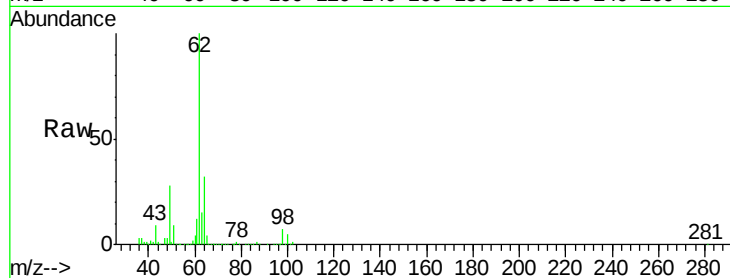
#43
 1,2-Dichloroethane
 Concen: 45.22 ug/l
 RT: 8.22 min Scan# 2061
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
62	100	661696		
98	7.4	0.0	18.0	

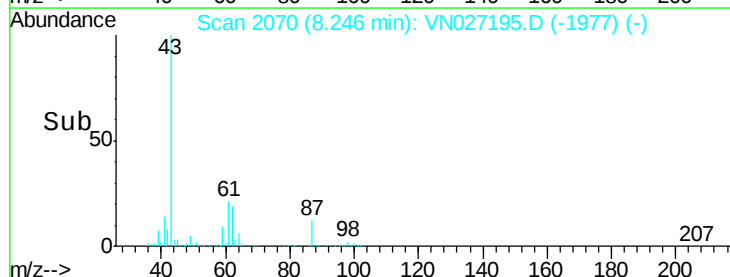
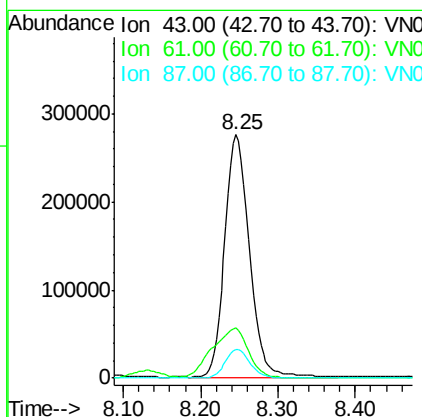
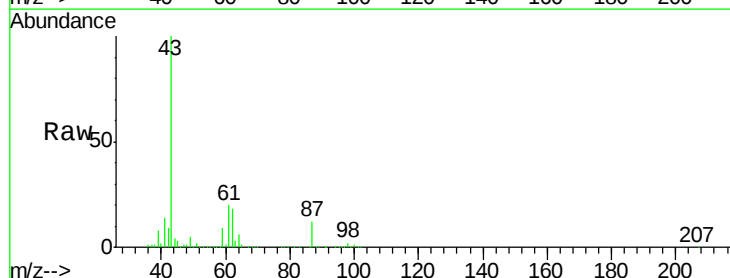
Manual Integrations
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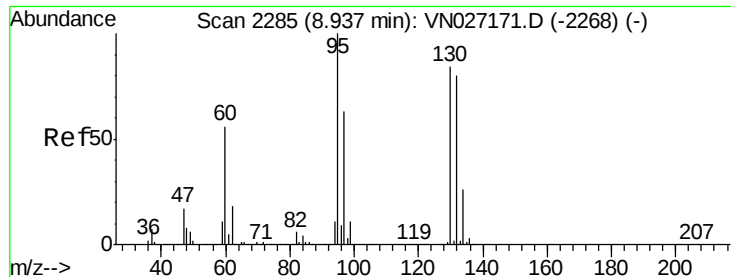
MMDadoda
 9/16/2015 11:48:08 AM



#44
 Isopropyl Acetate
 Concen: 30.58 ug/l
 RT: 8.25 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	608318		
61	29.7	20.6	31.0	
87	12.1	8.6	13.0	





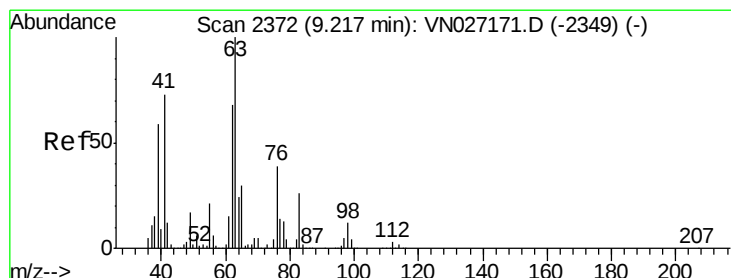
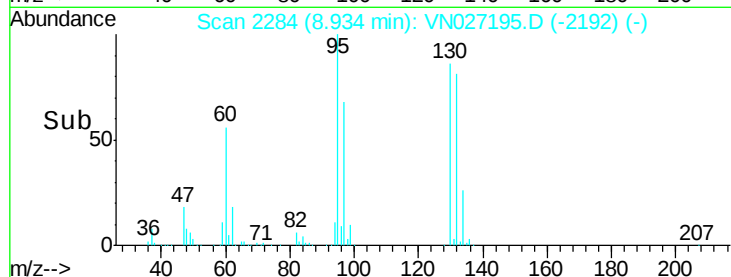
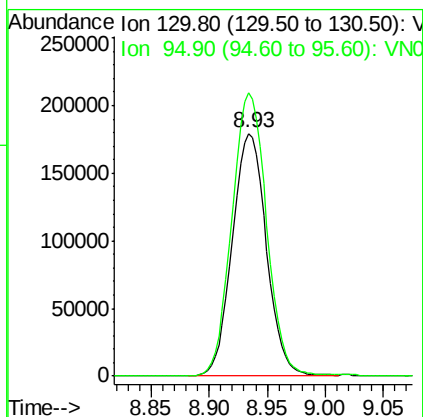
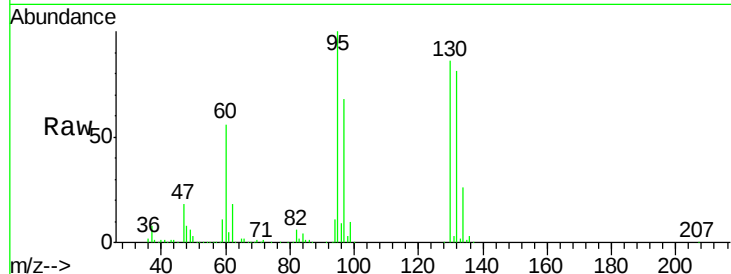
#45
 Trichloroethene
 Concen: 50.23 ug/l
 RT: 8.93 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
130	100			
95	116.5	0.0	222.2	

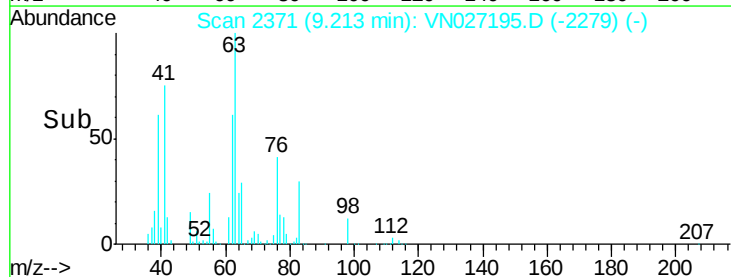
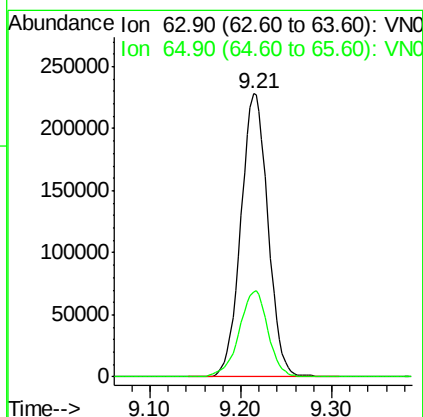
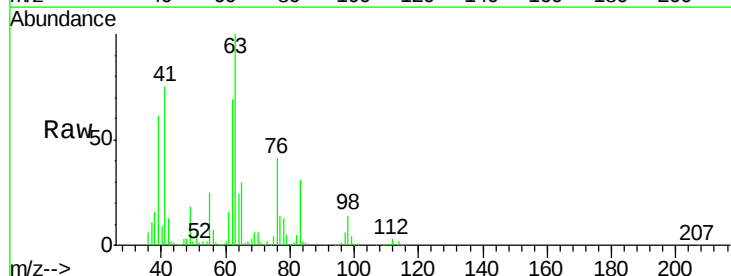
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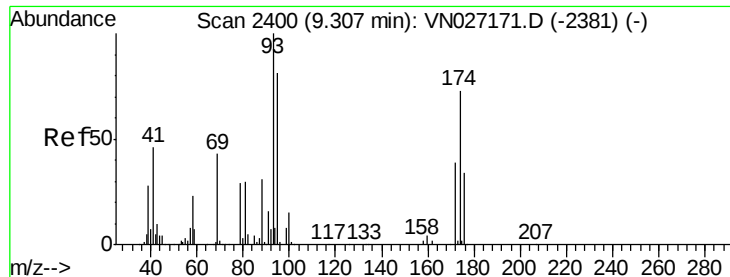
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#46
 1,2-Dichloropropane
 Concen: 45.23 ug/l
 RT: 9.21 min Scan# 2371
 Delta R.T. -0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
63	100			
65	29.9	24.4	36.6	





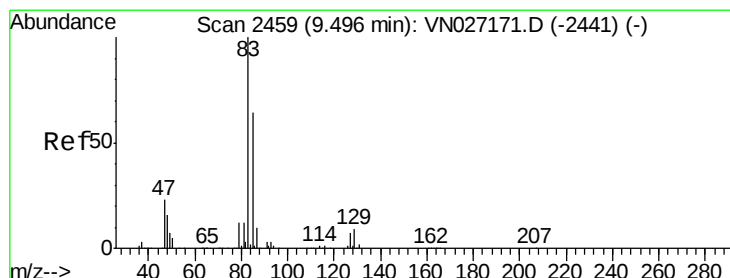
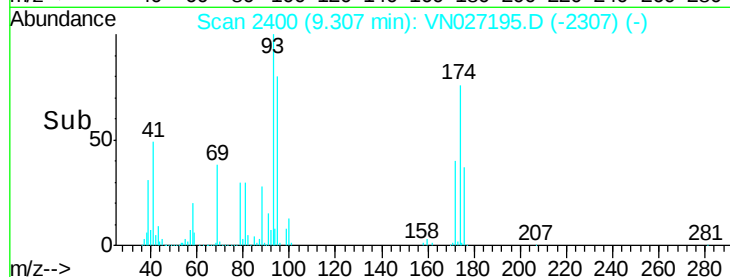
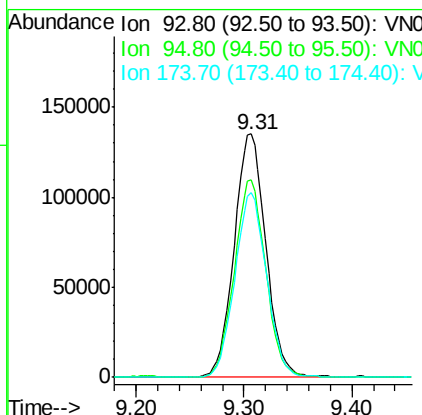
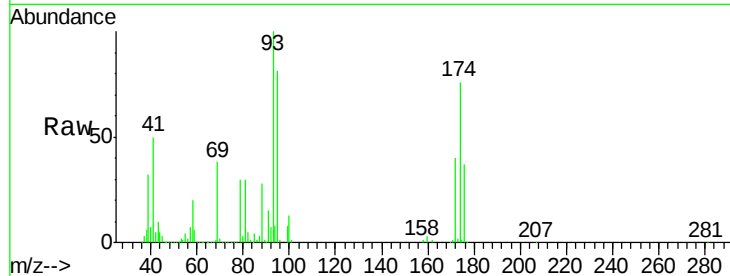
#47
Dibromomethane
Concen: 45.11 ug/l
RT: 9.31 min Scan# 2400
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
93	100	276795		
95	80.5	66.3	99.5	
174	75.9	67.8	101.6	

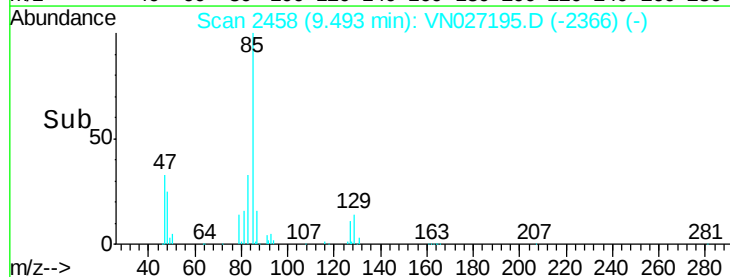
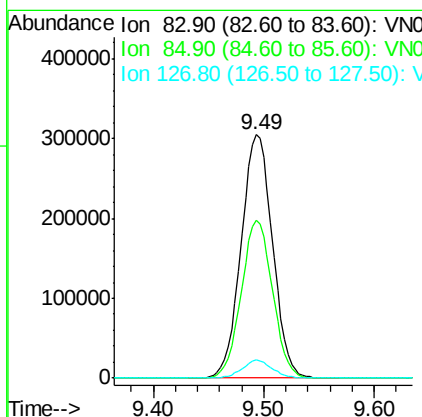
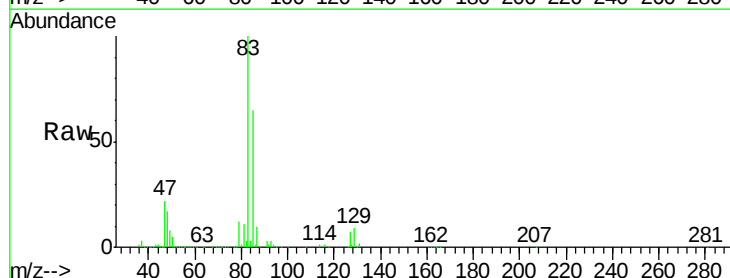
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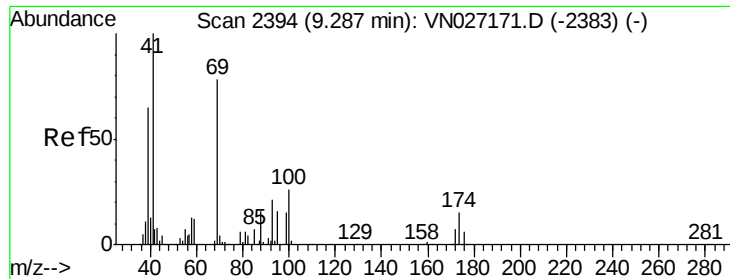
MMDadoda
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#48
Bromodichloromethane
Concen: 46.54 ug/l
RT: 9.49 min Scan# 2458
Delta R.T. -0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	601767		
85	65.0	50.7	76.1	
127	7.4	5.5	8.3	





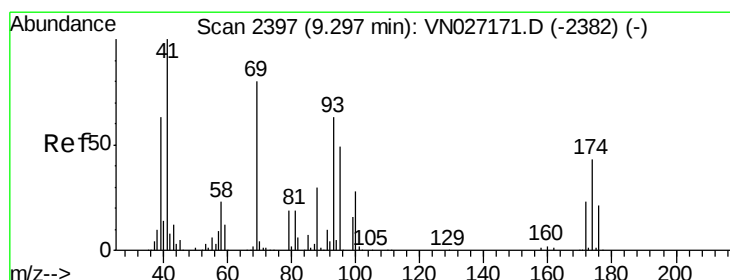
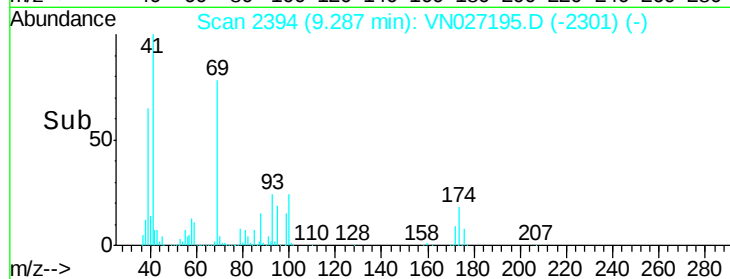
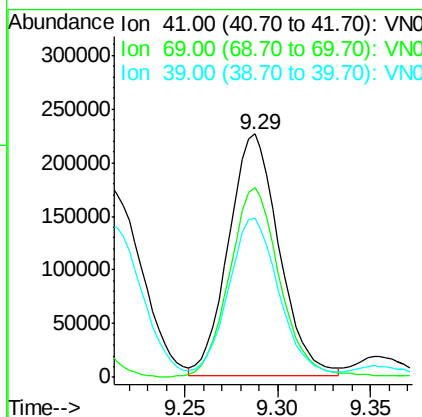
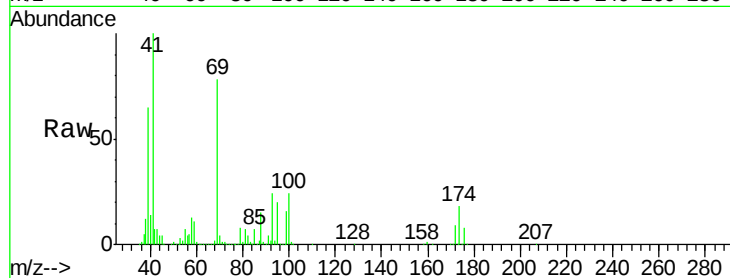
#49
Methvl methacrvlate
Concen: 43.06 ug/l
RT: 9.29 min Scan# 2394
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
41	100	426764		
69	78.2	59.3	88.9	
39	65.8	39.5	59.3#	

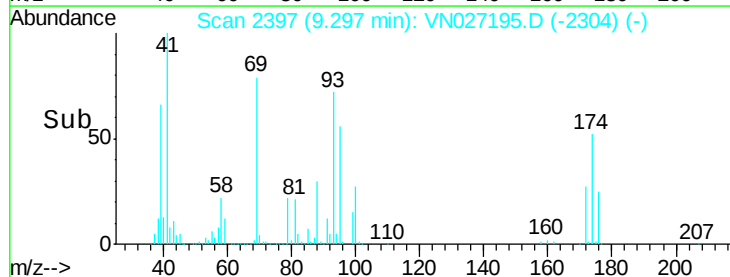
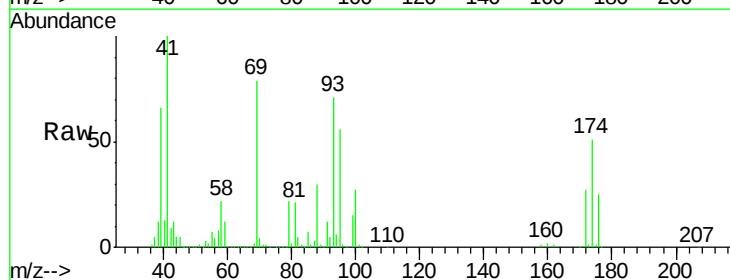
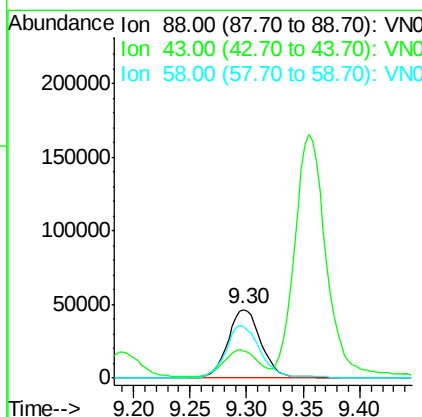
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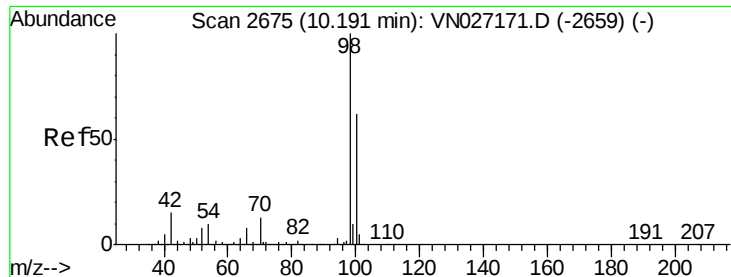
MMDadoda
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#50
1,4-Dioxane
Concen: 820.60 ug/l
RT: 9.30 min Scan# 2397
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	95392		
43	39.3	27.6	41.4	
58	80.8	63.1	94.7	





#51

Toluene-d8

Concen: 48.55 ug/l

RT: 10.19 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampled :

S39-0095MS

Tot Ion: 98 Resp: 1401272

Ion Ratio Lower Upper

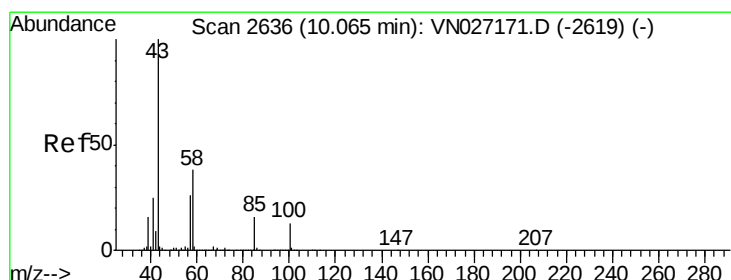
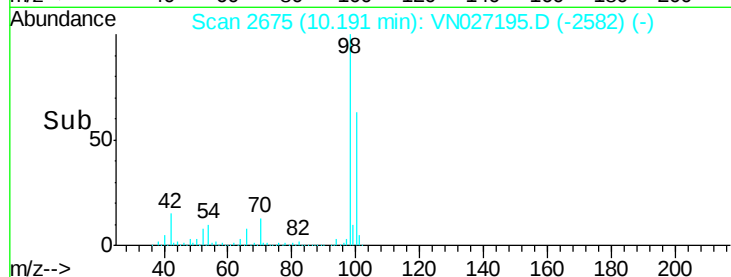
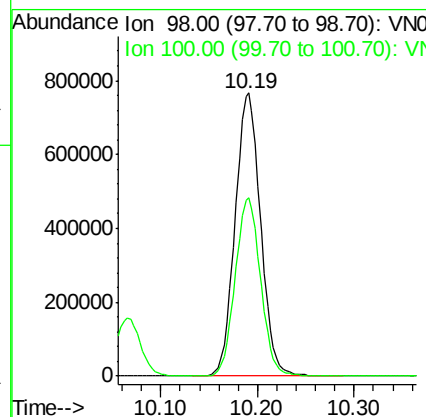
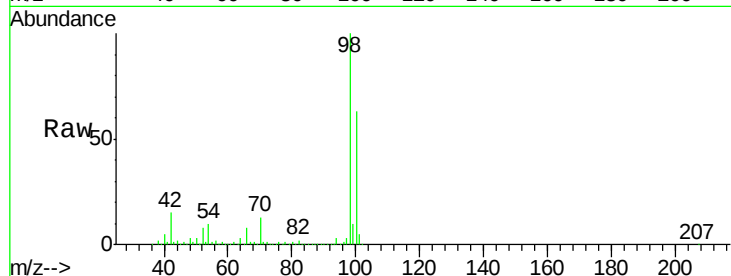
98 100

100 62.8 50.5 75.7

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#52

4-Methyl-2-Pentanone

Concen: 214.90 ug/l

RT: 10.07 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VN027195.D

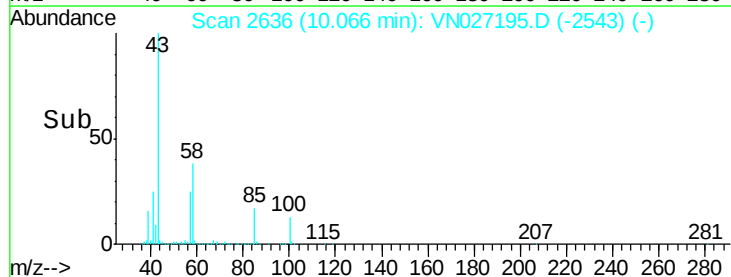
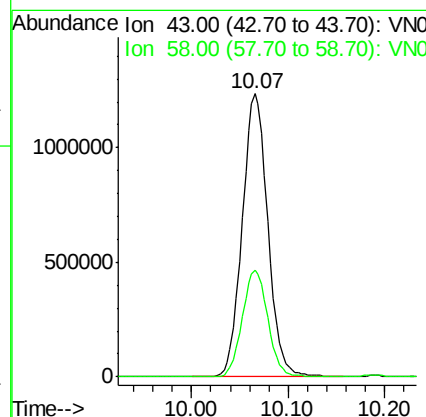
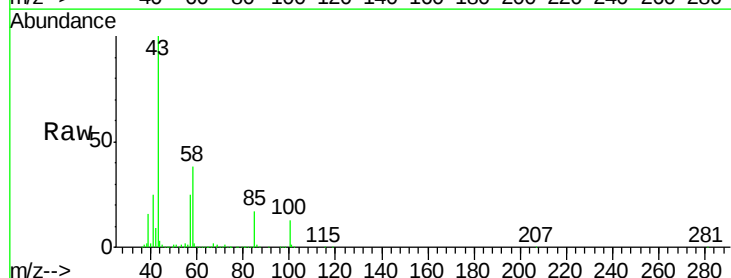
Acq: 16 Sep 2015 6:43

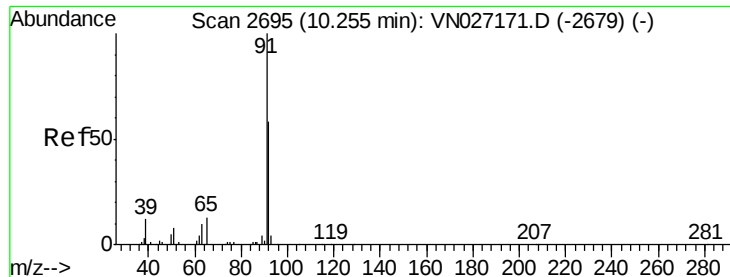
Tgt Ion: 43 Resp: 2260430

Ion Ratio Lower Upper

43 100

58 37.9 29.8 44.8





#53

Toluene

Concen: 45.07 ug/l

RT: 10.26 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampled :

S39-0095MS

Tot Ion: 92 Resp: 958840

Ion Ratio Lower Upper

92 100

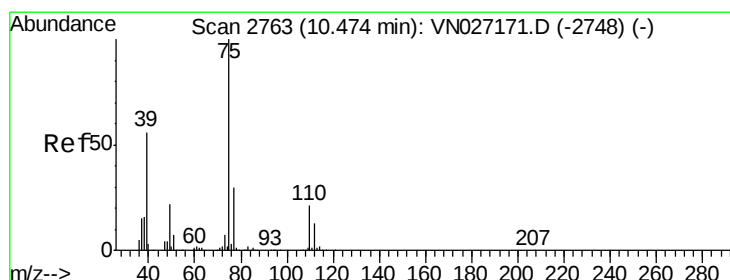
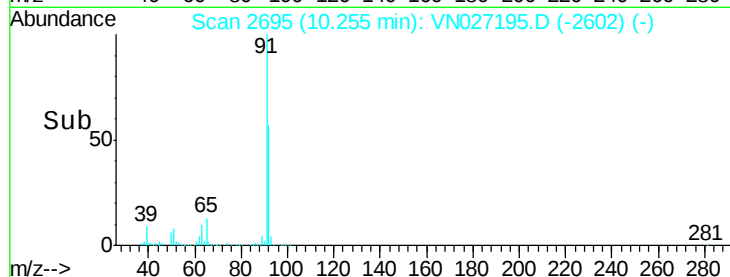
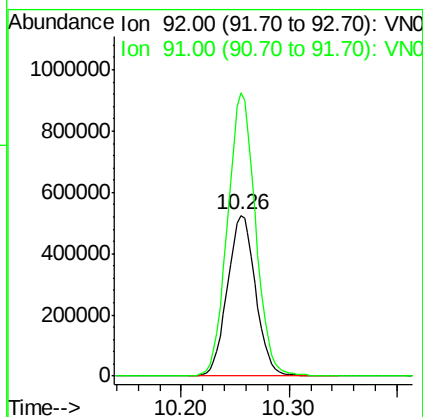
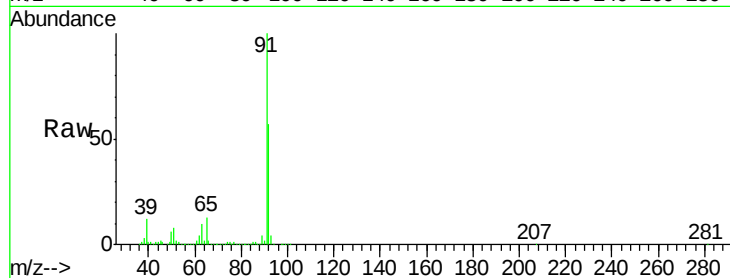
91 174.2 141.4 212.2

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#54

t-1,3-Dichloropropene

Concen: 31.49 ug/l

RT: 10.47 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VN027195.D

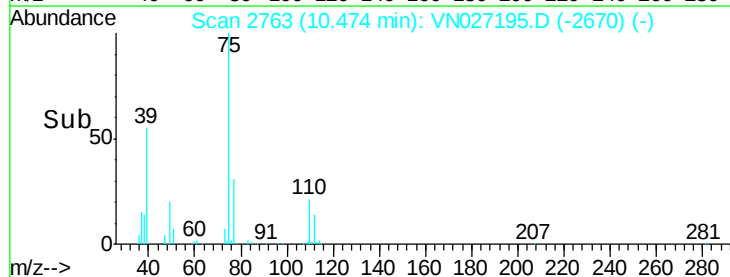
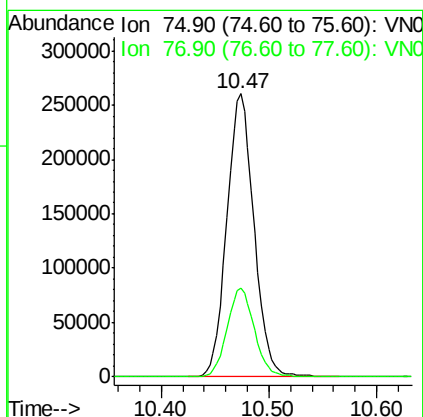
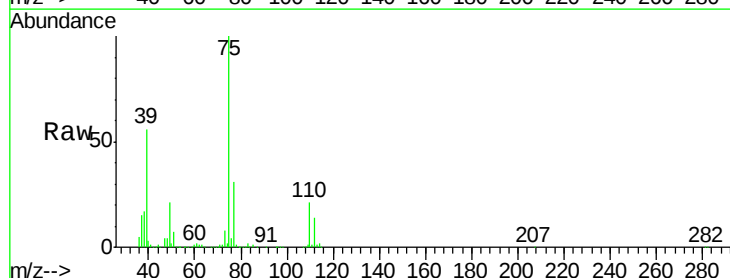
Acq: 16 Sep 2015 6:43

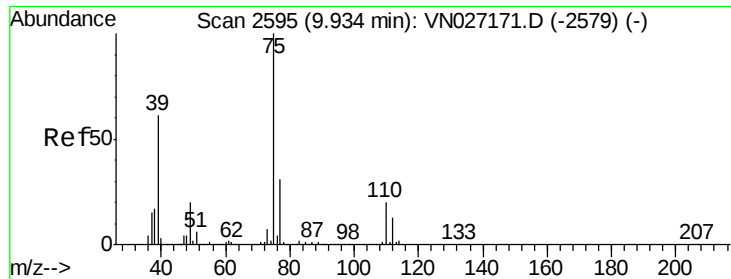
Tgt Ion: 75 Resp: 457238

Ion Ratio Lower Upper

75 100

77 31.1 25.4 38.2





#55

cis-1,3-Dichloropropene

Concen: 31.81 ug/l

RT: 9.93 min Scan# 2595

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

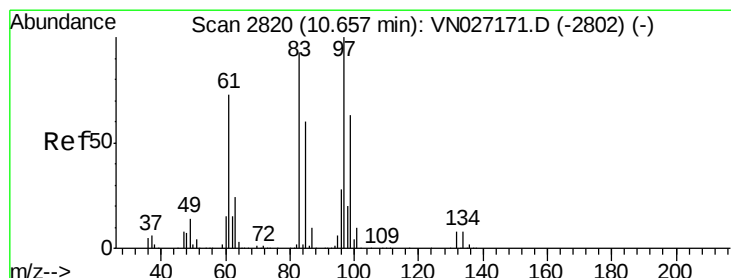
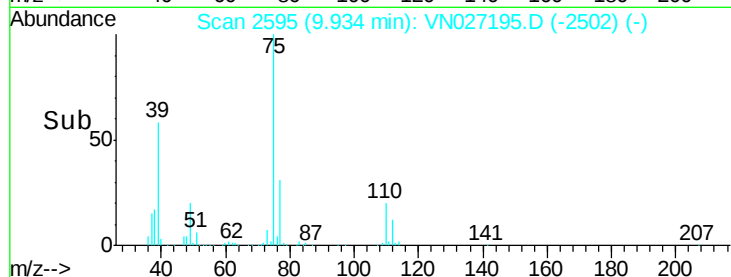
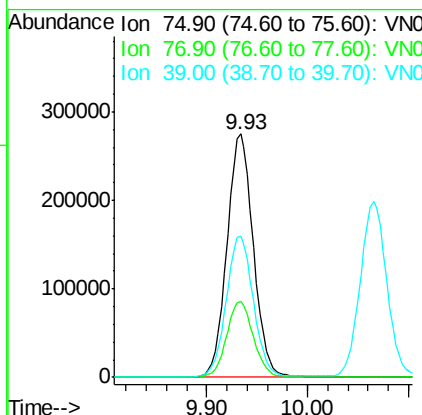
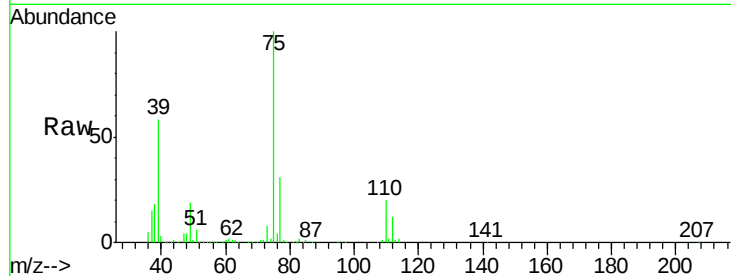
ClientSampleId :

S39-0095MS

Tot Ion:	75	Resp:	502562
Ion Ratio	Lower	Upper	
75	100		
77	31.1	25.6	38.4
39	58.0	41.6	62.4

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#56

1,1,2-Trichloroethane

Concen: 46.71 ug/l

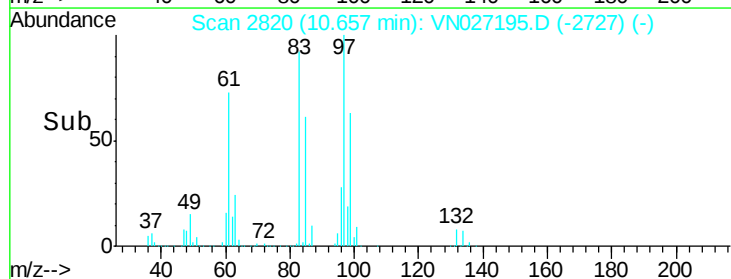
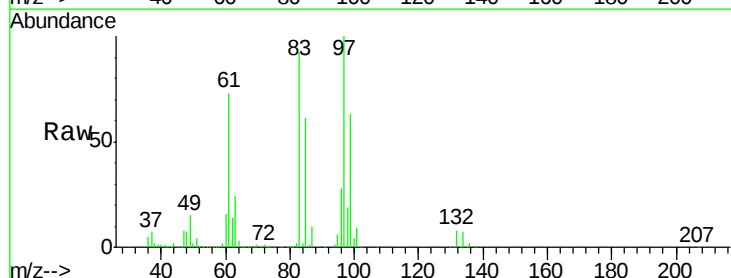
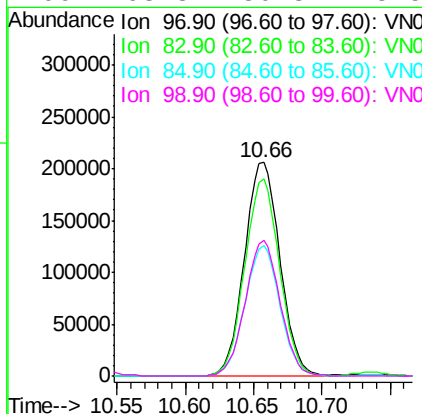
RT: 10.66 min Scan# 2820

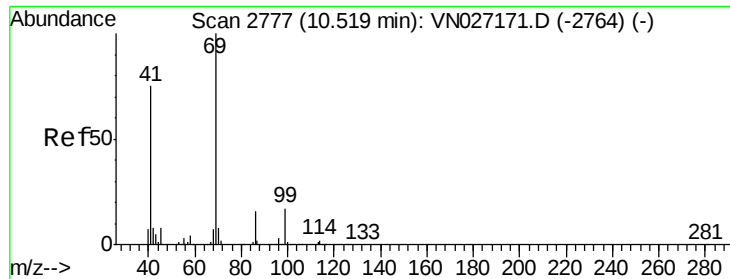
Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tgt Ion:	97	Resp:	373466
Ion Ratio	Lower	Upper	
97	100		
83	92.2	75.0	112.4
85	60.8	48.0	72.0
99	63.3	50.3	75.5





#57

Ethyl methacrylate

Concen: 44.11 ug/l

RT: 10.52 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

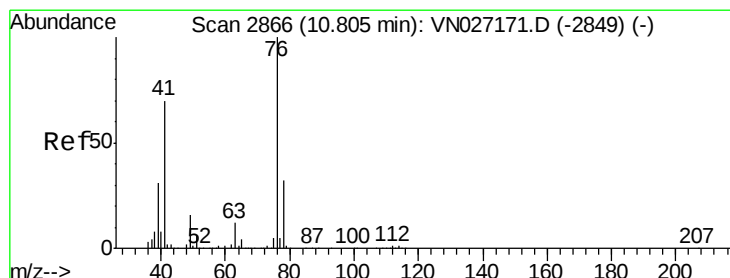
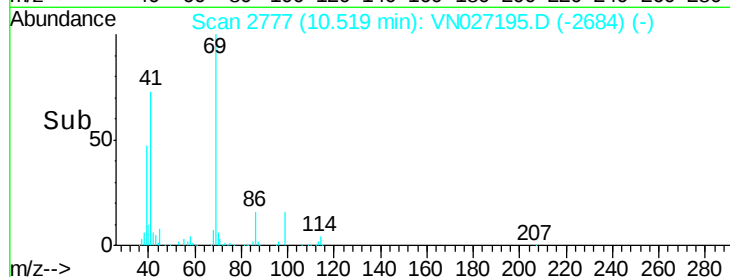
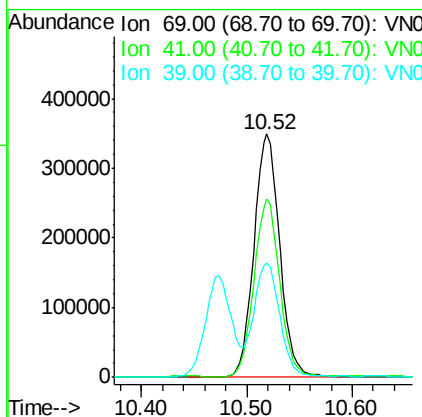
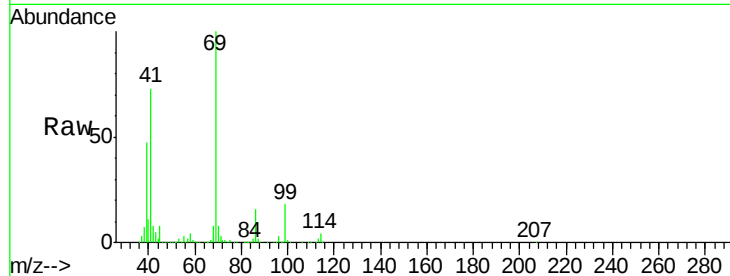
ClientSampleId :

S39-0095MS

Tot Ion:	69	Resp:	594449
Ion Ratio	Lower	Upper	
69	100		
41	72.6	61.3	91.9
39	46.7	28.4	42.6

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#58

1,3-Dichloropropane

Concen: 45.52 ug/l

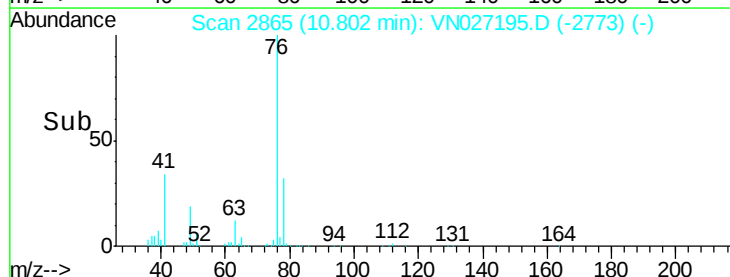
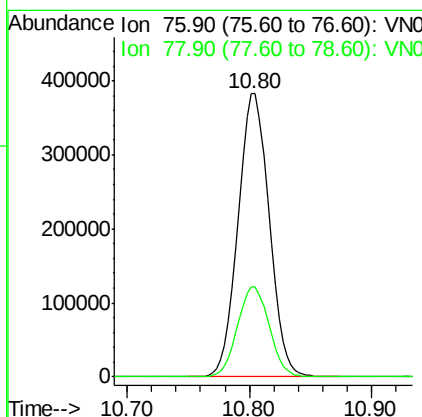
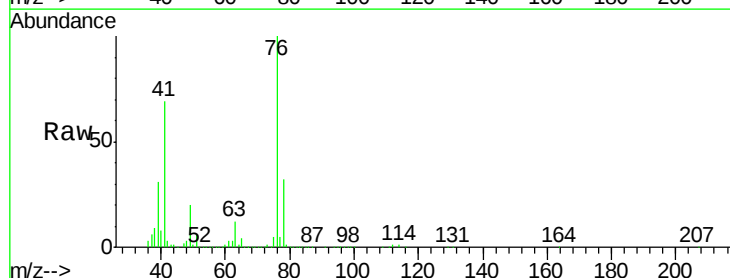
RT: 10.80 min Scan# 2865

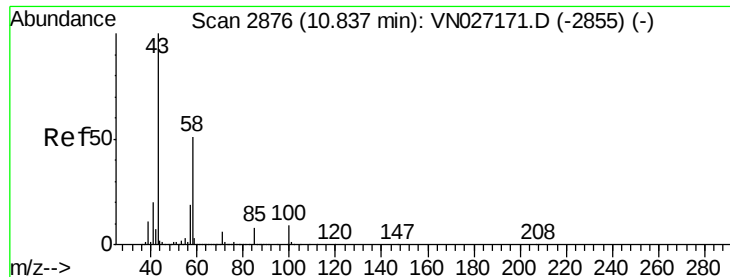
Delta R.T. -0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tgt Ion:	76	Resp:	675719
Ion Ratio	Lower	Upper	
76	100		
78	32.5	25.0	37.6





#60

2-Hexanone

Concen: 210.78 ug/l

RT: 10.84 min Scan# 2876

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampled :

S39-0095MS

Tot Ion: 43 Resp: 1509438

Ion Ratio Lower Upper

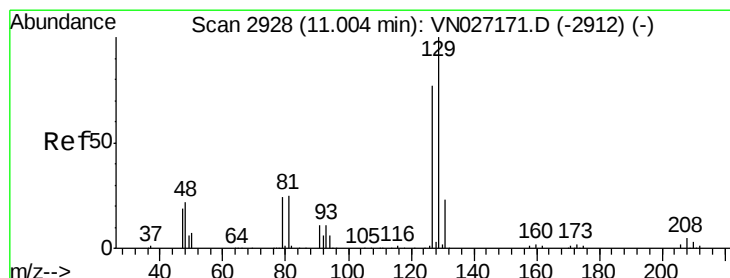
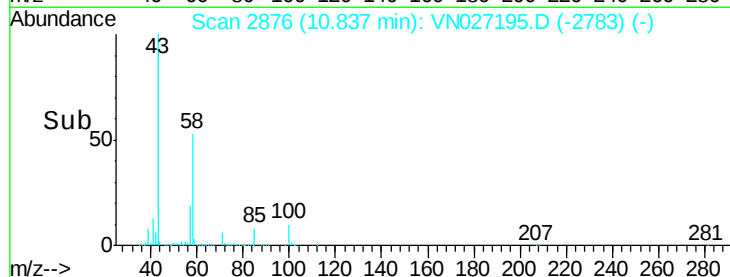
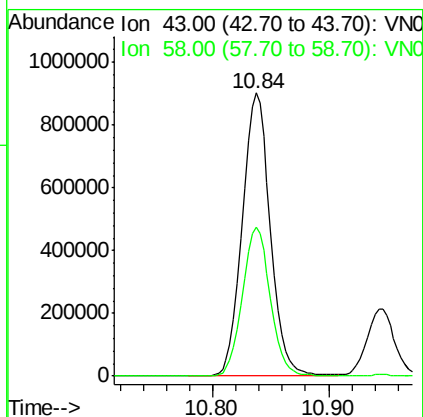
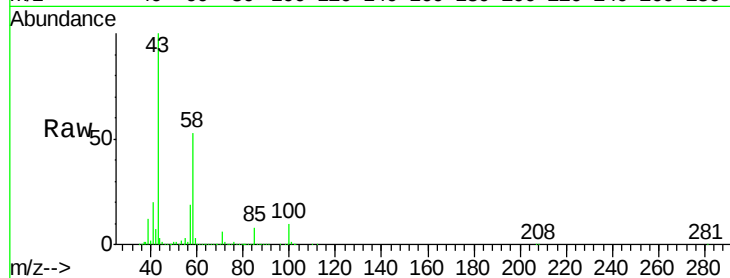
43 100

58 52.6 26.2 78.5

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#61

Dibromochloromethane

Concen: 45.70 ug/l

RT: 11.00 min Scan# 2928

Delta R.T. 0.00 min

Lab File: VN027195.D

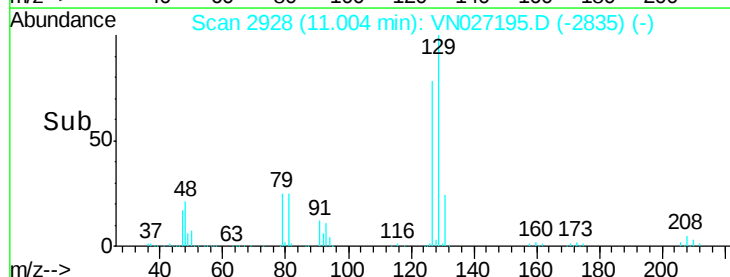
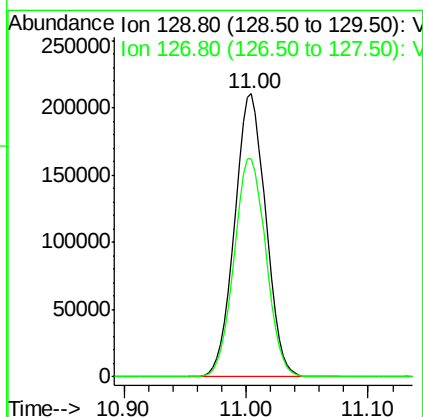
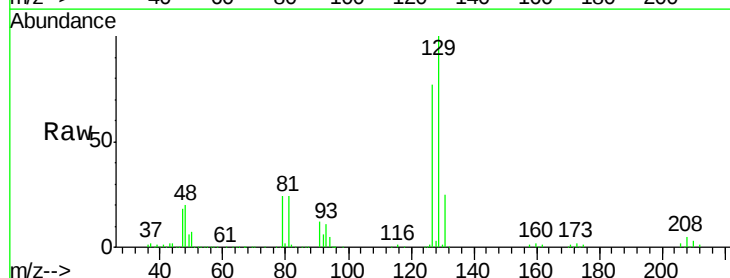
Acq: 16 Sep 2015 6:43

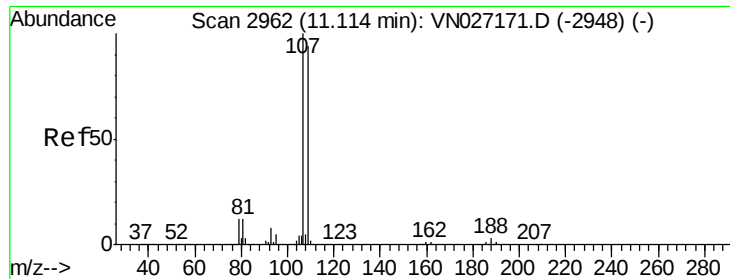
Tgt Ion: 129 Resp: 373192

Ion Ratio Lower Upper

129 100

127 78.7 39.1 117.2





#62

1,2-Dibromoethane

Concen: 44.78 ug/l

RT: 11.11 min Scan# 2962

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion: 107 Resp: 351838

Ion Ratio Lower Upper

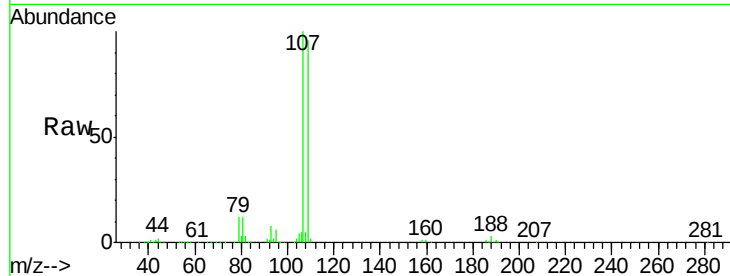
107 100

109 95.1 75.6 113.4

Manual Integrations
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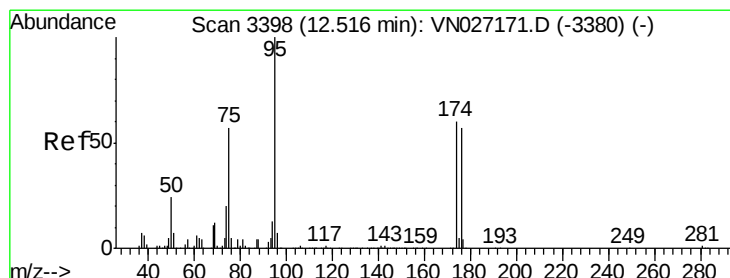
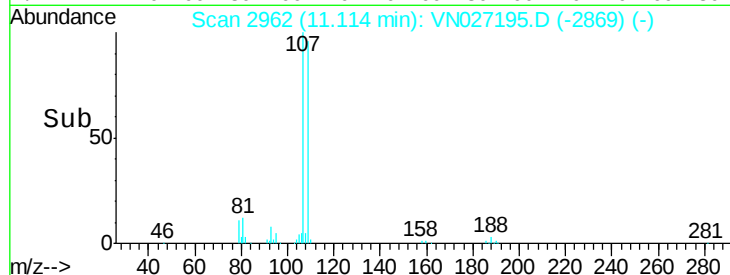
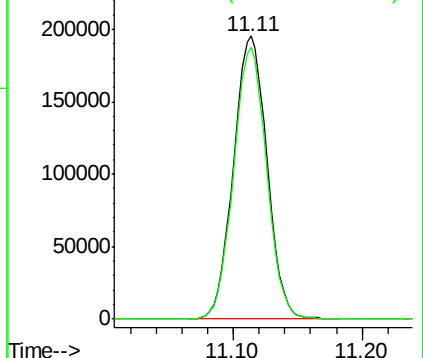
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#63

4-Bromofluorobenzene

Concen: 47.67 ug/l

RT: 12.52 min Scan# 3398

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

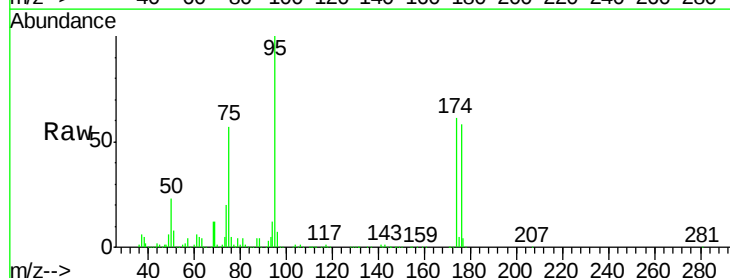
Tgt Ion: 95 Resp: 488337

Ion Ratio Lower Upper

95 100

174 61.3 0.0 137.0

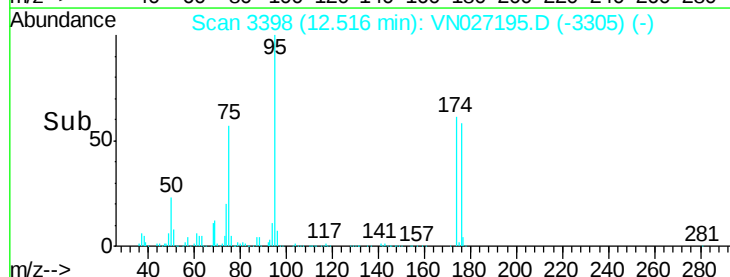
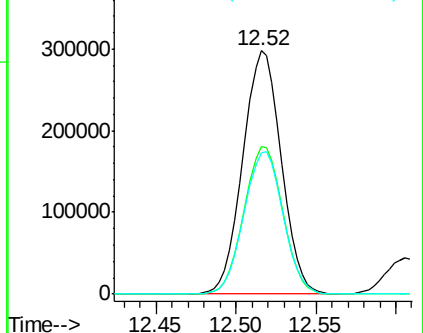
176 59.6 0.0 130.8

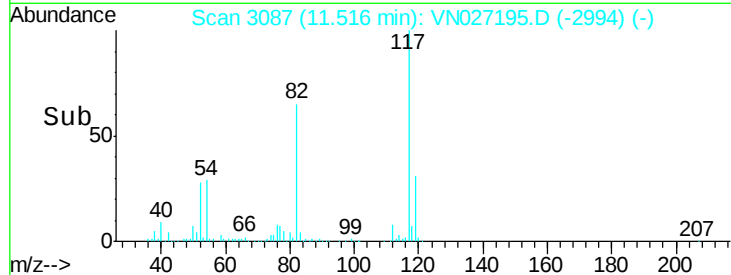
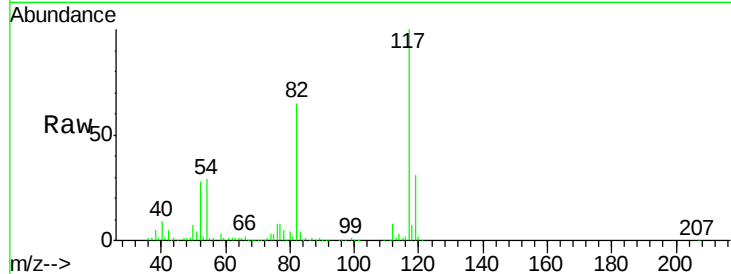
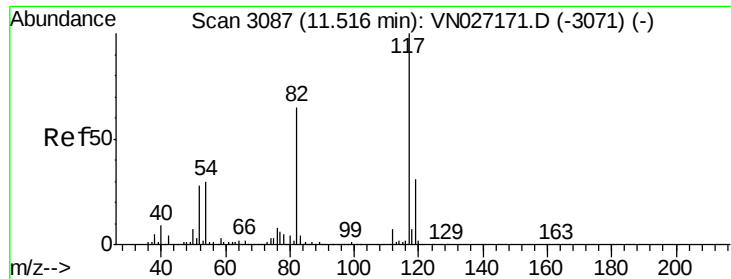


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#64

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.52 min Scan# 3087

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tot Ion:	117	Resp:	903326
Ion Ratio	Lower	Upper	
117	100		
82	65.4	49.6	74.4
119	30.7	24.6	36.8

Instrument :

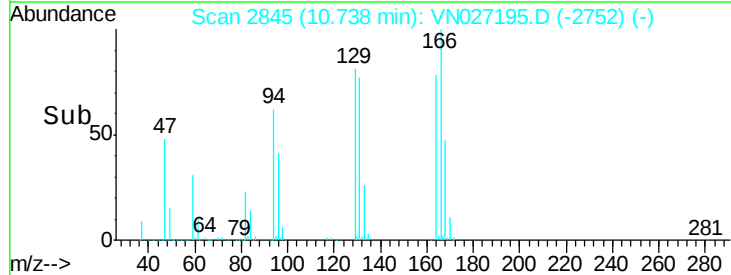
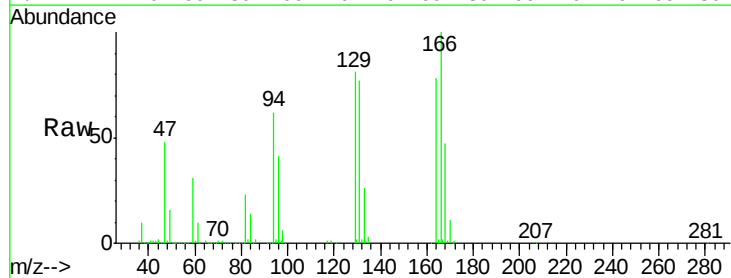
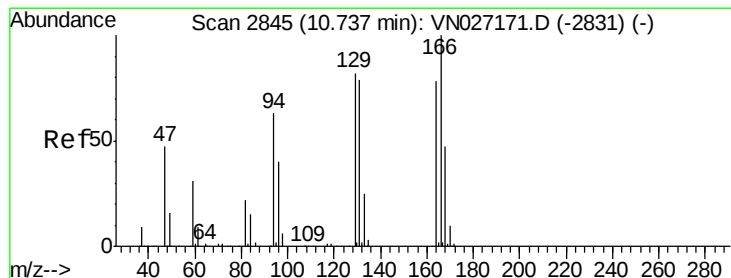
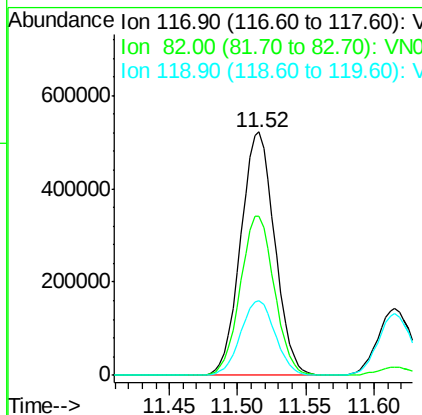
MSVOA_N

ClientSampleId :

S39-0095MS

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#65

Tetrachloroethene

Concen: 42.25 ug/l

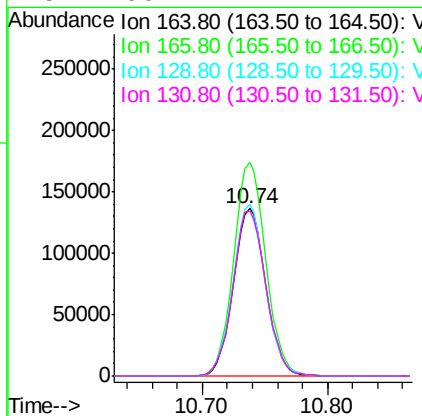
RT: 10.74 min Scan# 2845

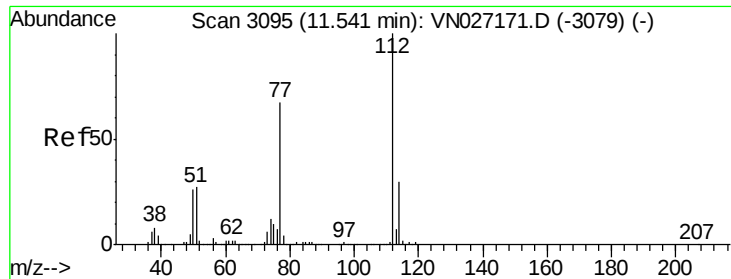
Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tgt Ion:	164	Resp:	244040
Ion Ratio	Lower	Upper	
164	100		
166	127.8	103.4	155.0
129	103.1	77.5	116.3
131	99.1	74.2	111.4





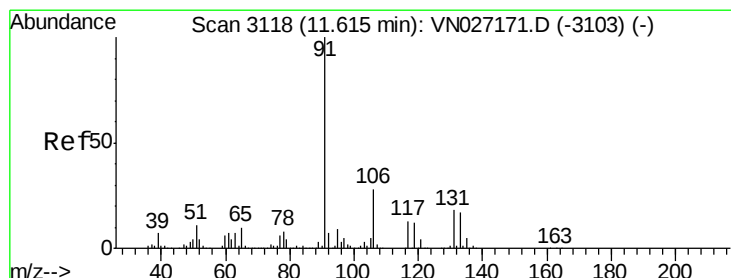
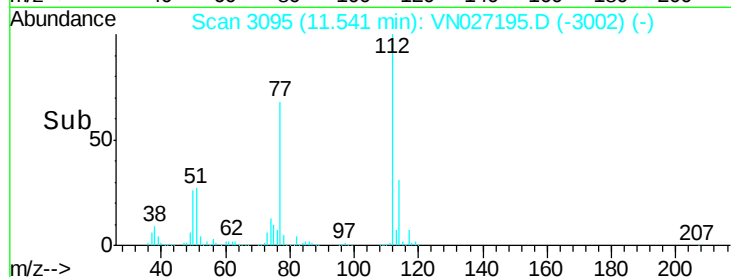
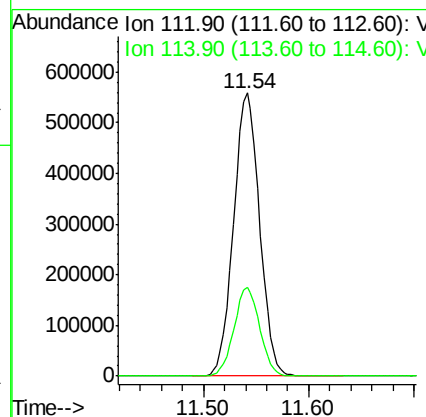
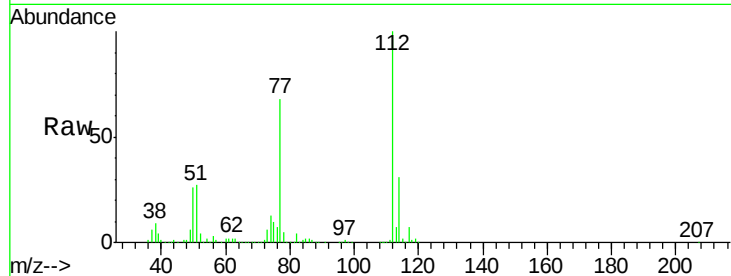
#66
Chlorobenzene
Concen: 44.51 ug/l
RT: 11.54 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.9	37.3

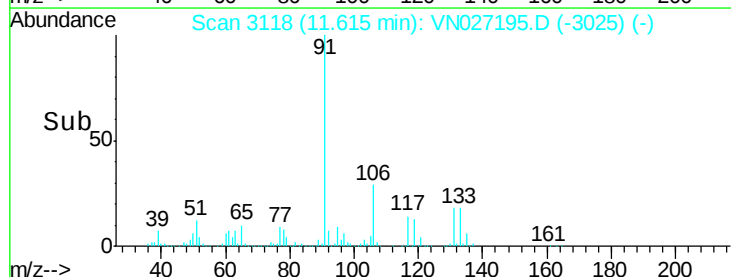
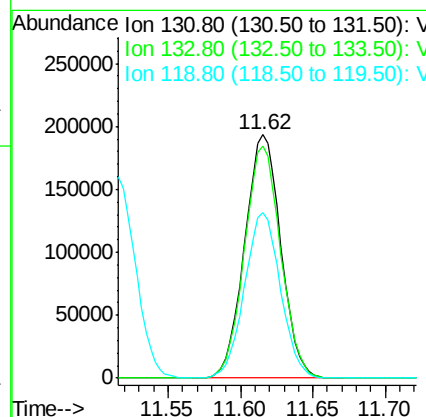
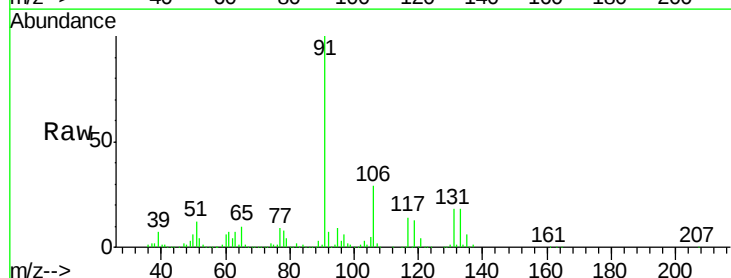
Manual Integrations
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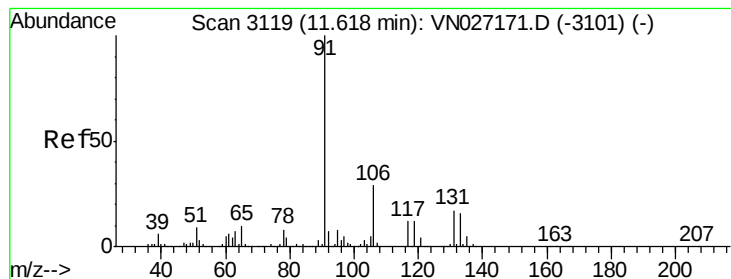
MMDadoda
9/16/2015 11:48:08 AM



#67
1,1,1,2-Tetrachloroethane
Concen: 46.11 ug/l
RT: 11.62 min Scan# 3118
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.0	141.2
119	67.3	35.1	105.5





#68

Ethyl Benzene

Concen: 44.43 ug/l

RT: 11.62 min Scan# 3119

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampled :

S39-0095MS

Tot Ion: 91 Resp: 1796907

Ion Ratio Lower Upper

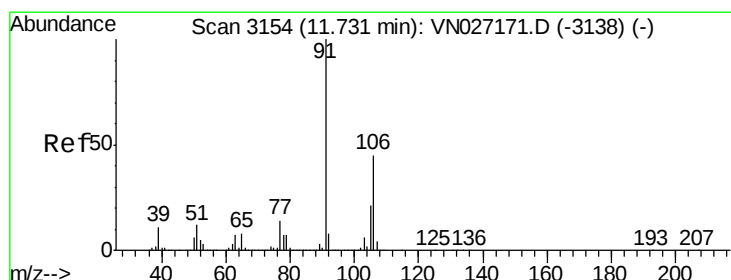
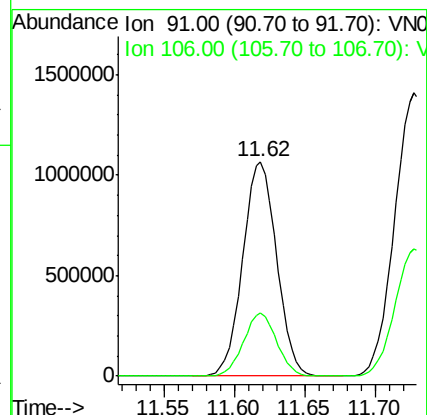
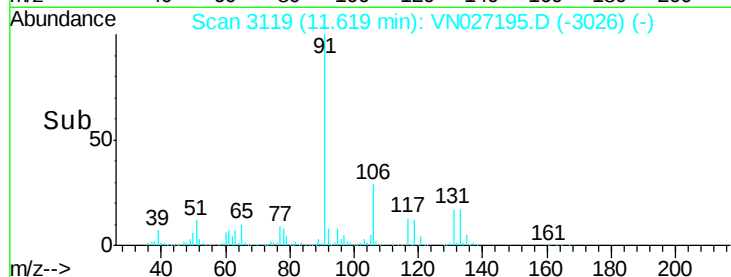
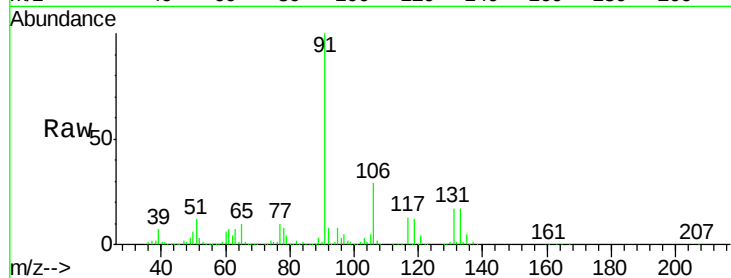
91 100

106 29.5 23.1 34.7

Manual Integrations
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#69

m/p-Xylenes

Concen: 88.72 ug/l

RT: 11.73 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VN027195.D

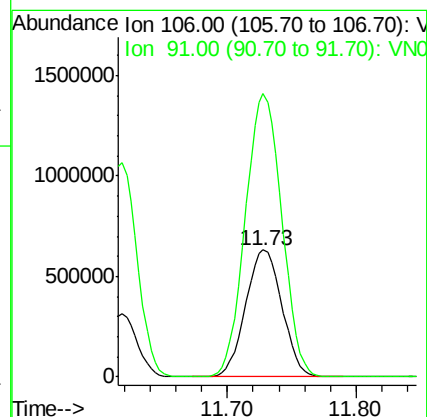
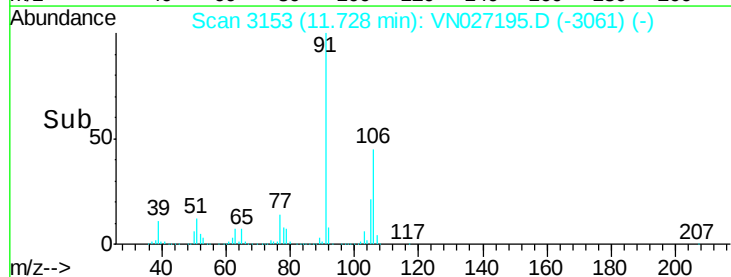
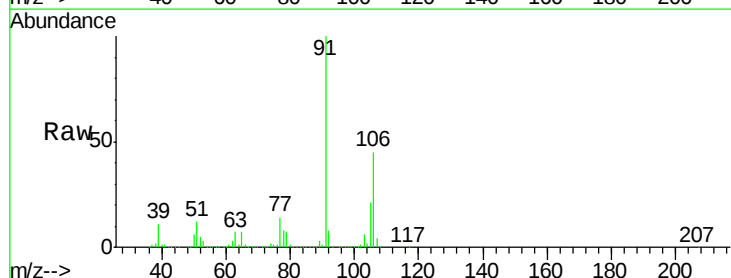
Acq: 16 Sep 2015 6:43

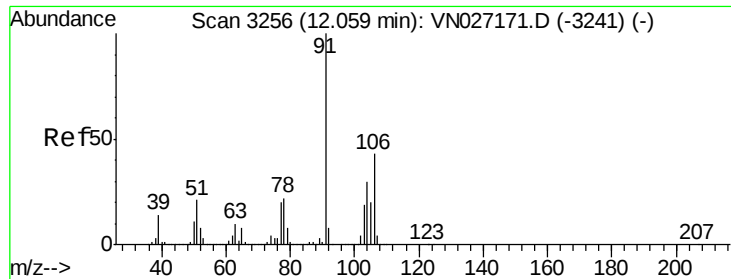
Tgt Ion: 106 Resp: 1237935

Ion Ratio Lower Upper

106 100

91 223.8 167.1 250.7





#70

o-Xylene

Concen: 45.11 ug/l

RT: 12.06 min Scan# 3255

Delta R.T. -0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampled :

S39-0095MS

Tot Ion:106 Resp: 630964

Ion Ratio Lower Upper

106 100

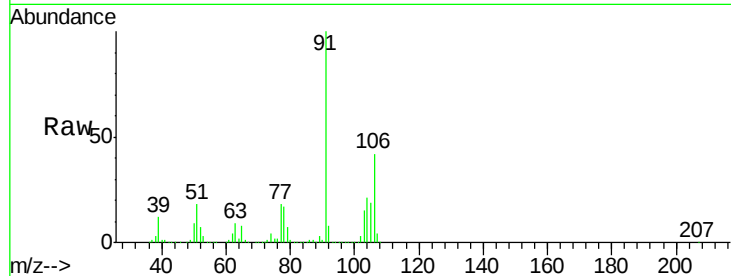
91 236.9 110.7 331.9

Manual Integrations

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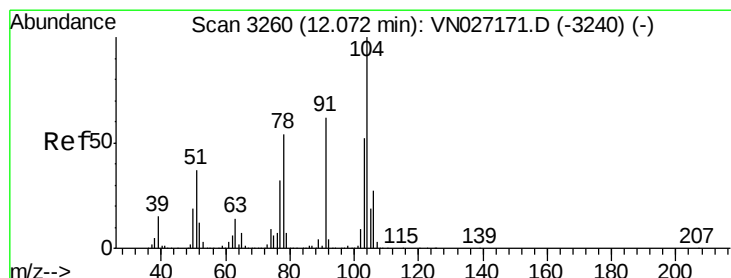
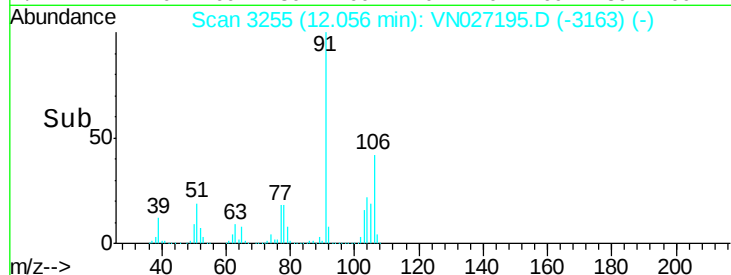
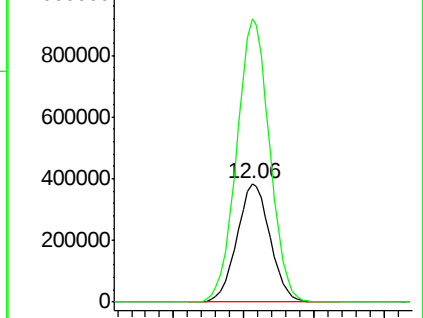
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#71

Styrene

Concen: 43.10 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

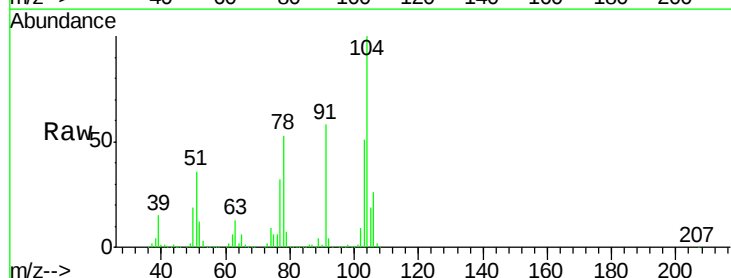
Tgt Ion:104 Resp: 973111

Ion Ratio Lower Upper

104 100

78 58.7 41.6 62.4

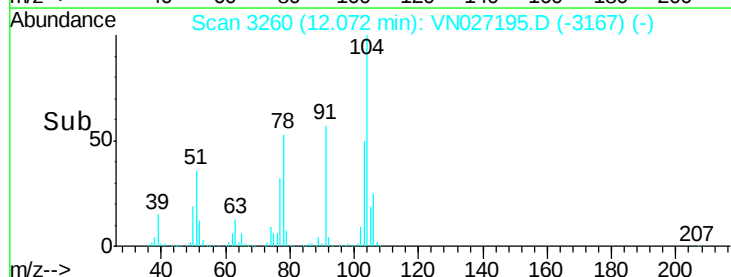
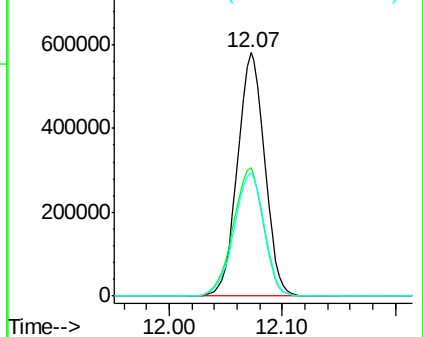
103 56.3 44.2 66.2

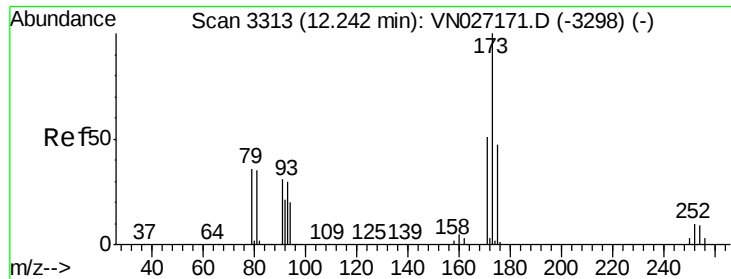


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#72

Bromoform

Concen: 44.81 ug/l

RT: 12.24 min Scan# 3313

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion:173 Resp: 226669

Ion Ratio Lower Upper

173 100

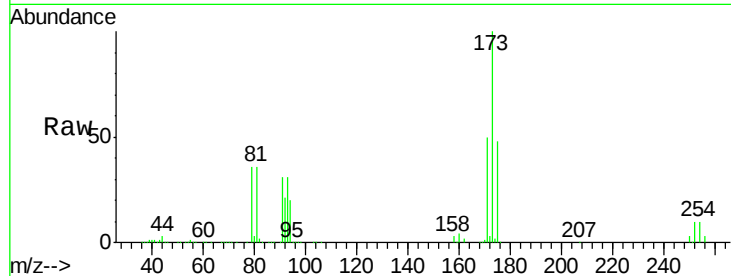
175 49.2 24.4 73.4

254 0.0 0.1 0.1#

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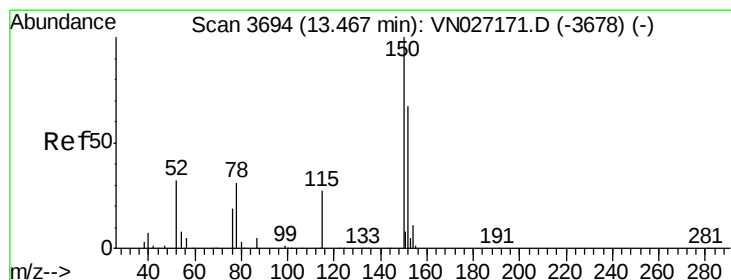
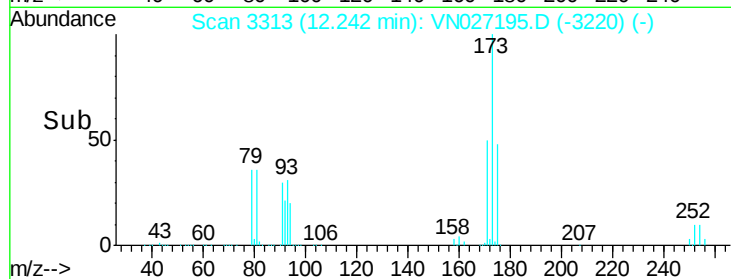
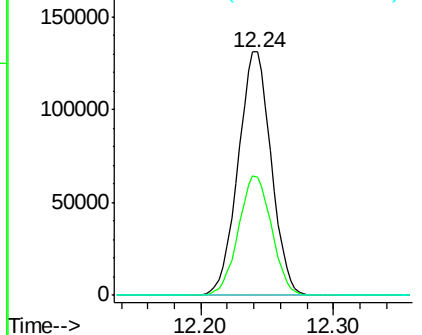
9/16/2015 11:48:08 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#73

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.47 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

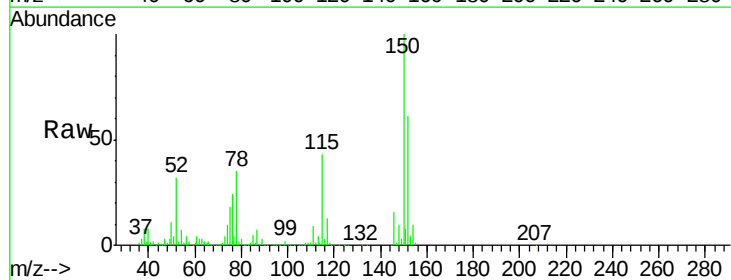
Tgt Ion:152 Resp: 334999

Ion Ratio Lower Upper

152 100

115 68.1 30.8 92.3

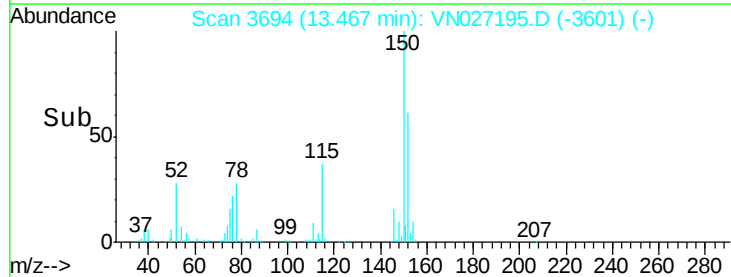
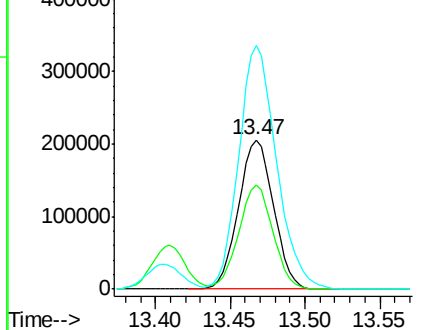
150 175.4 0.0 345.0

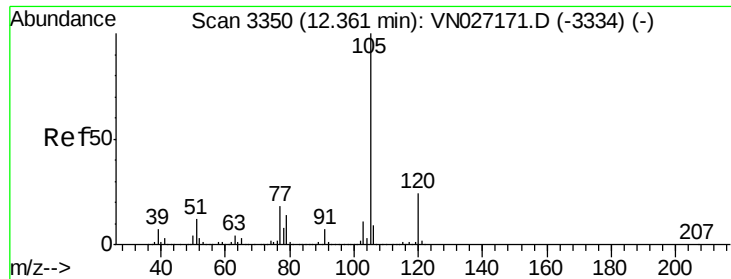


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

Isopropylbenzene

Concen: 44.85 ug/l

RT: 12.36 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampled :

S39-0095MS

Tot Ion:105 Resp: 1655558

Ion Ratio Lower Upper

105 100

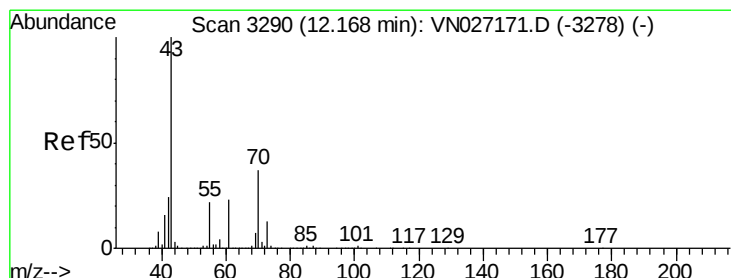
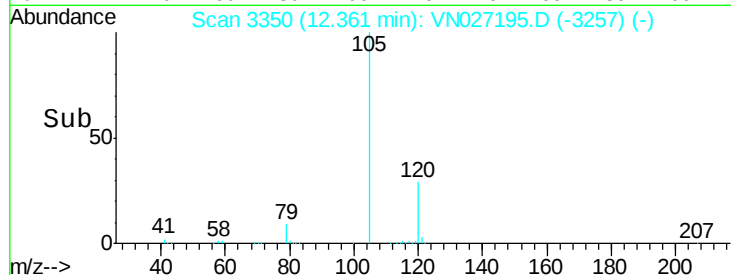
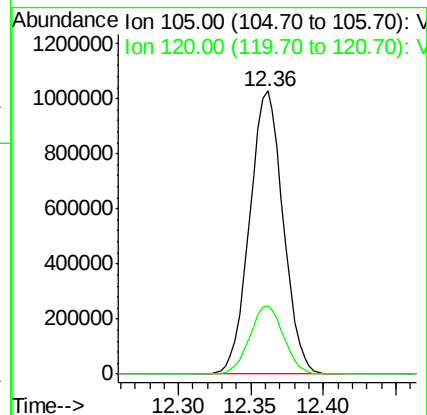
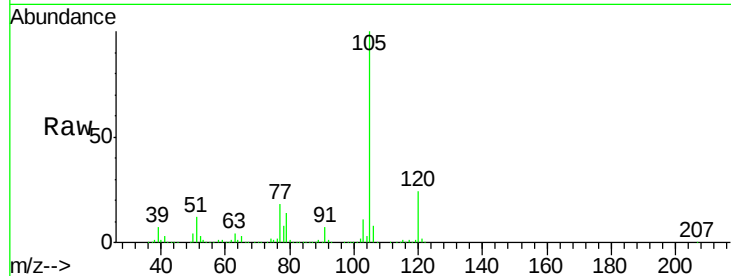
120 24.4 12.4 37.2

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#75

N-ethyl acetate

Concen: 23.46 ug/l

RT: 12.17 min Scan# 3290

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tgt Ion: 43 Resp: 386464

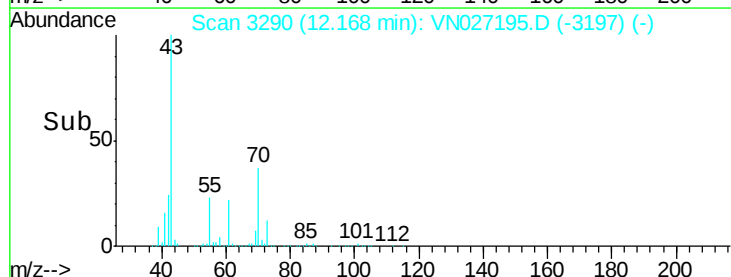
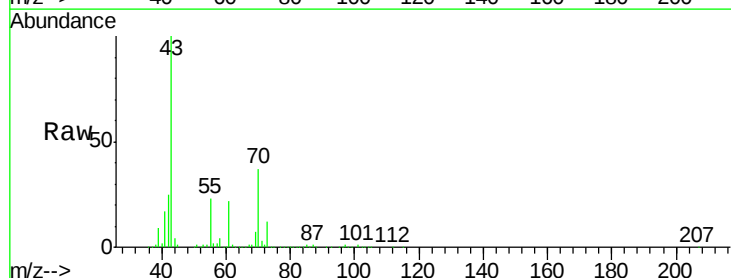
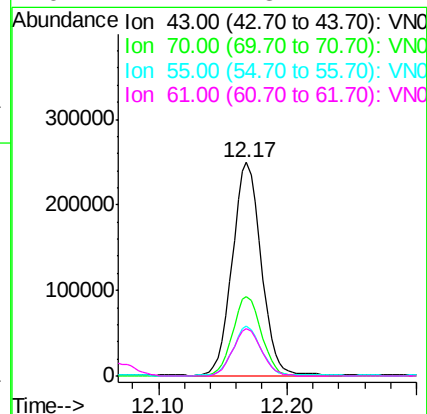
Ion Ratio Lower Upper

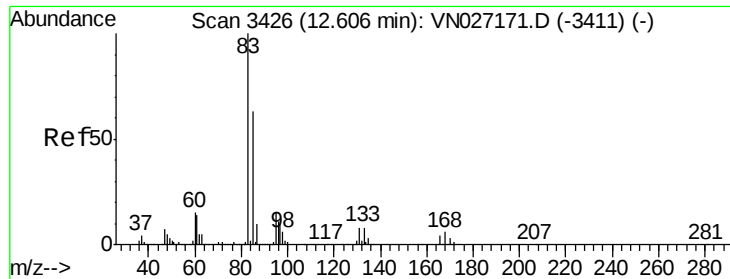
43 100

70 37.3 29.8 44.8

55 22.3 19.4 29.0

61 22.4 18.2 27.2





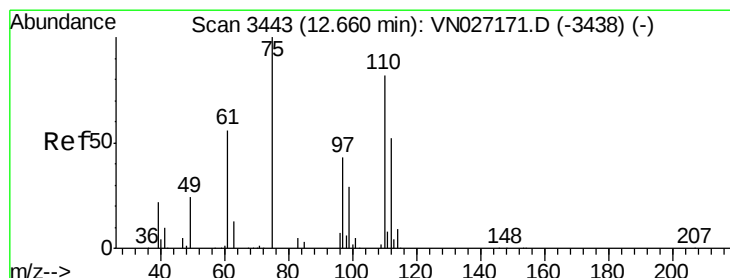
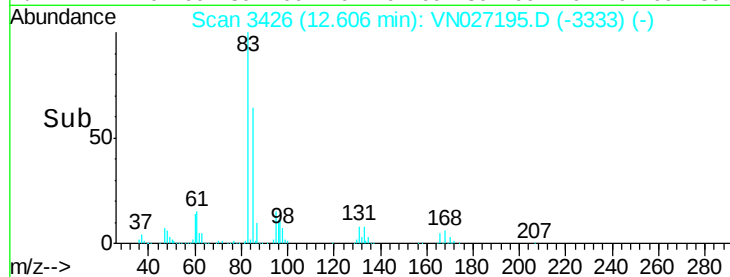
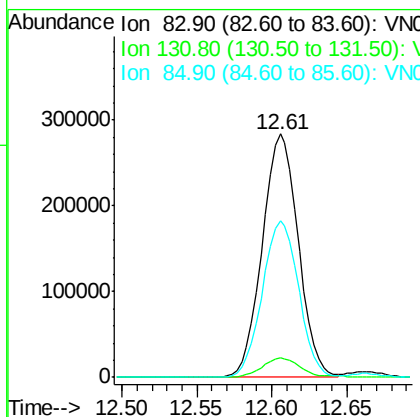
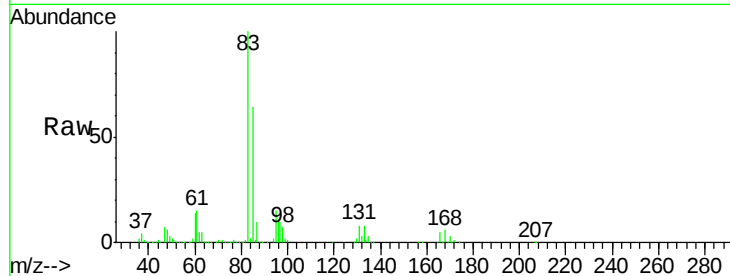
#76
 1,1,2,2-Tetrachloroethane
 Concen: 49.95 ug/l
 RT: 12.61 min Scan# 3426
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	476050		
131	8.5	4.1	12.3	
85	64.8	31.9	95.7	

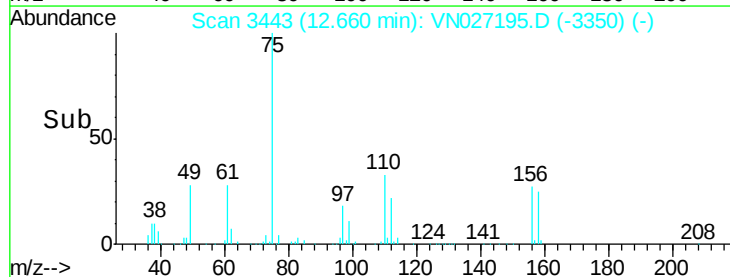
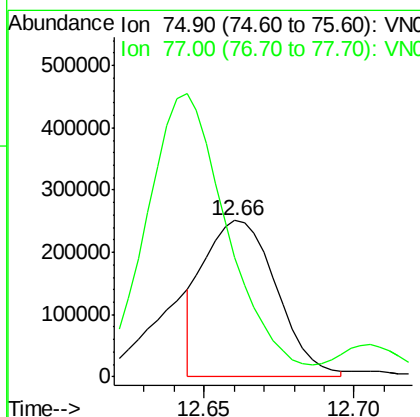
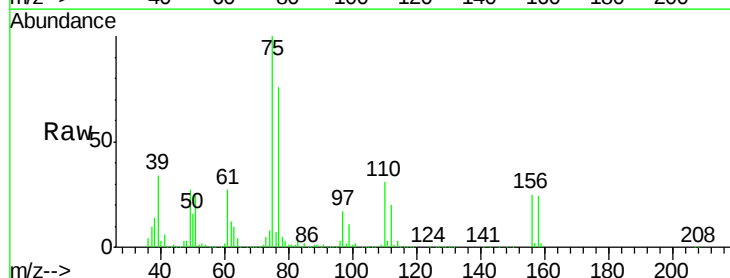
Manual Integrations
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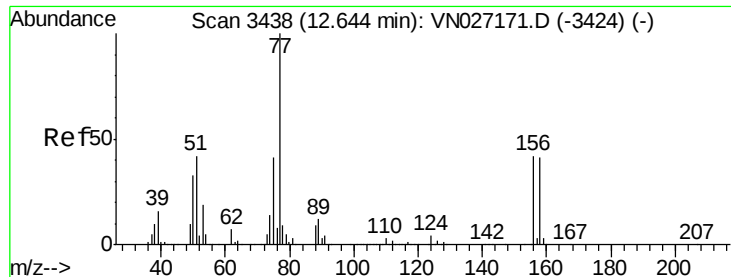
MMDadoda
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#77
 1,2,3-Trichloropropane
 Concen: 42.11 ug/l m
 RT: 12.66 min Scan# 3443
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	426337		
77	201.0	103.1	309.3	





#78

Bromobenzene

Concen: 46.25 ug/l

RT: 12.64 min Scan# 3438

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampleId :

S39-0095MS

Tot Ion:156 Resp: 334808

Ion Ratio Lower Upper

156 100

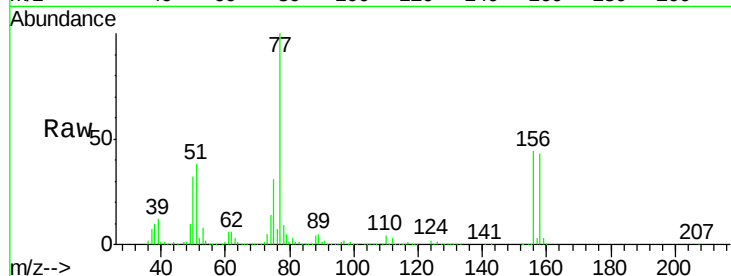
77 256.0 127.3 381.9

158 96.9 48.0 144.2

Manual Integrations
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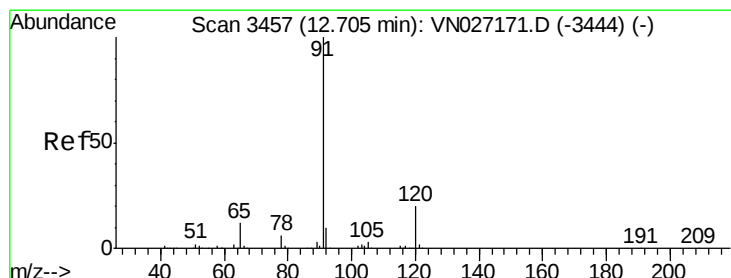
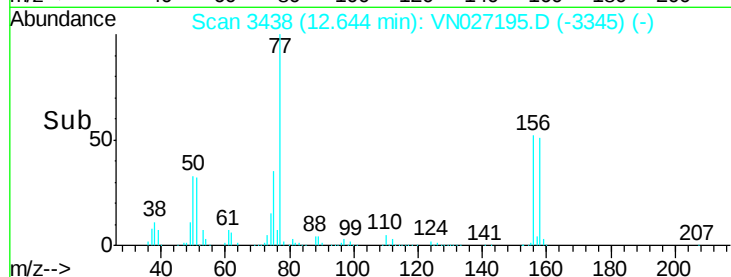
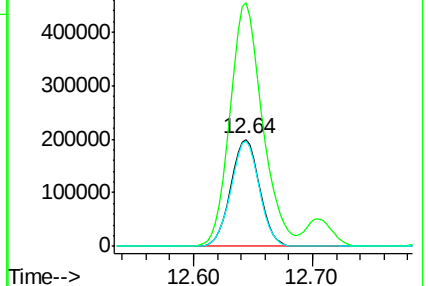
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#79

n-propylbenzene

Concen: 43.94 ug/l

RT: 12.71 min Scan# 3457

Delta R.T. 0.00 min

Lab File: VN027195.D

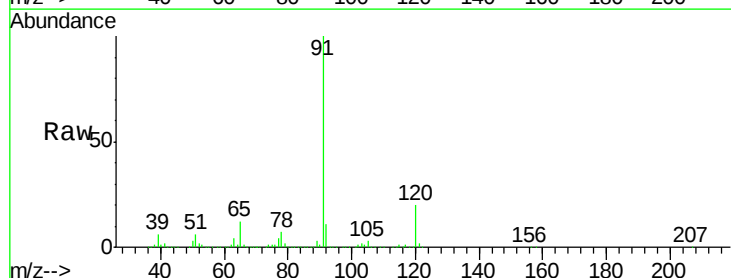
Acq: 16 Sep 2015 6:43

Tgt Ion: 91 Resp: 1908430

Ion Ratio Lower Upper

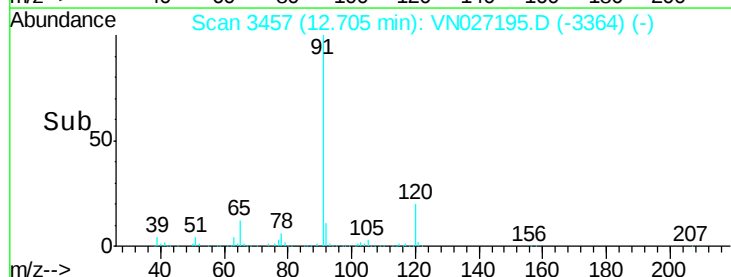
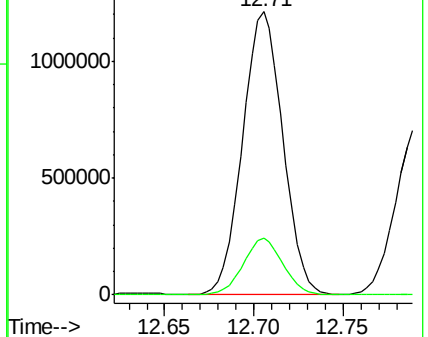
91 100

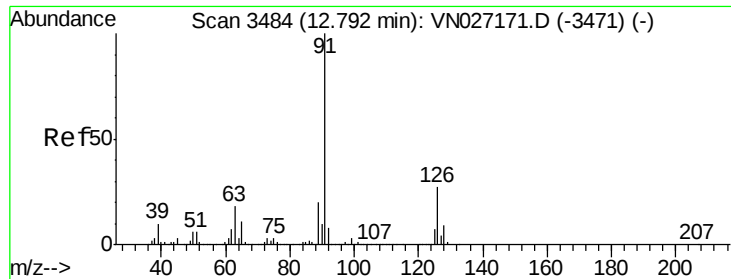
120 19.7 10.3 30.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

2-Chlorotoluene

Concen: 45.26 ug/l

RT: 12.79 min Scan# 3484

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

ClientSampled :

S39-0095MS

Tot Ion: 91 Resp: 1180326

Ion Ratio Lower Upper

91 100

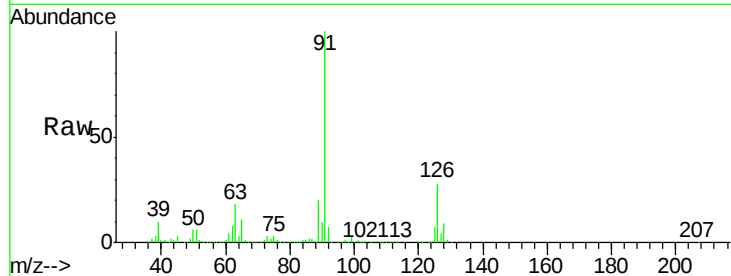
126 28.4 15.2 45.5

Manual Integrations

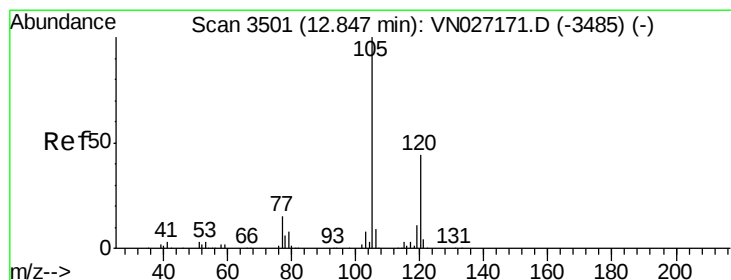
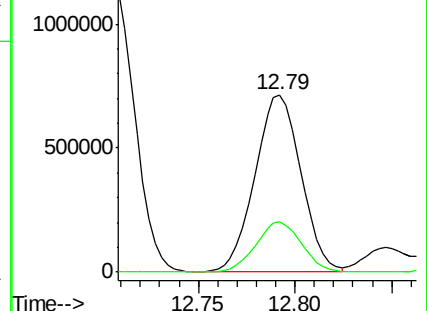
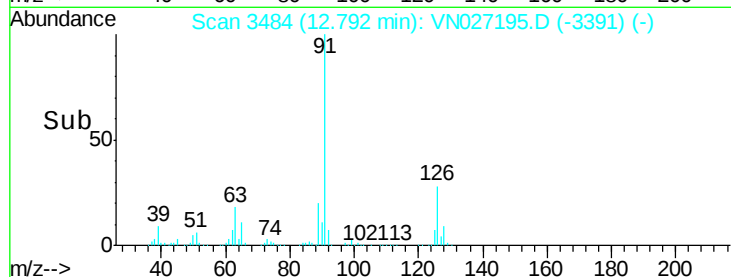
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Abundance Ion 91.00 (90.70 to 91.70): VN027195.D (-3391) (-)



#81

1,3,5-Trimethylbenzene

Concen: 44.66 ug/l

RT: 12.85 min Scan# 3501

Delta R.T. 0.00 min

Lab File: VN027195.D

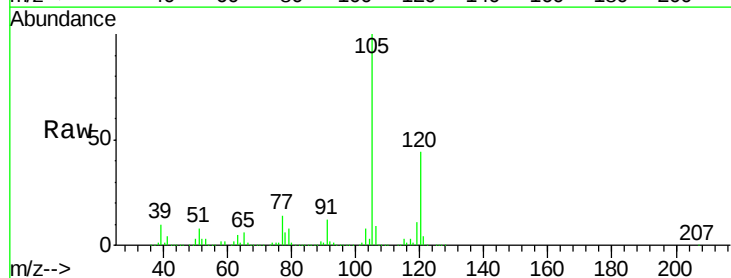
Acq: 16 Sep 2015 6:43

Tgt Ion: 105 Resp: 1324404

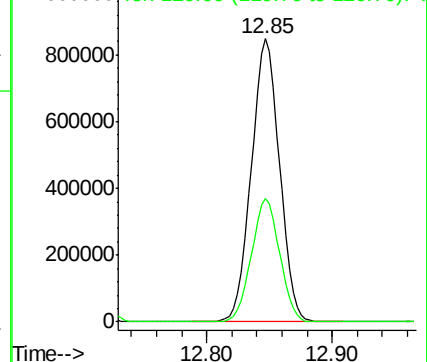
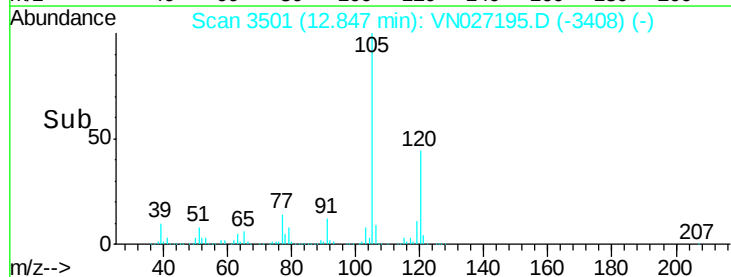
Ion Ratio Lower Upper

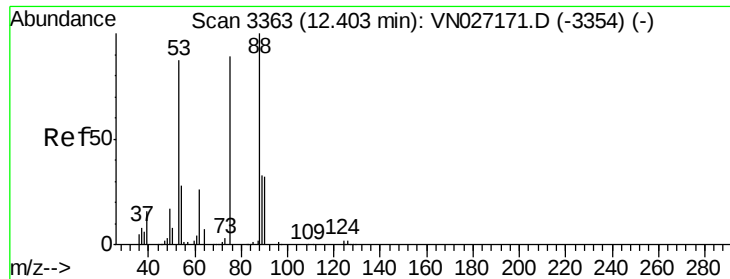
105 100

120 43.6 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN027195.D (-3408) (-)





#82

trans-1,4-Dichloro-2-butene

Concen: 19.38 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Instrument :

MSVOA_N

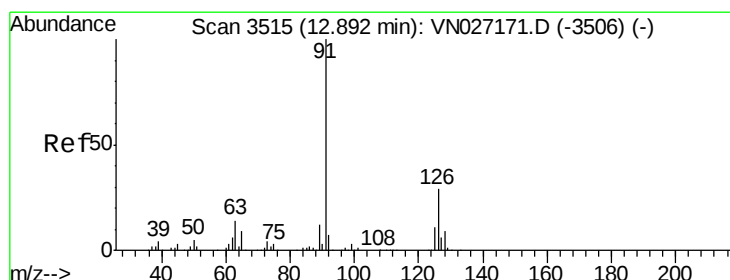
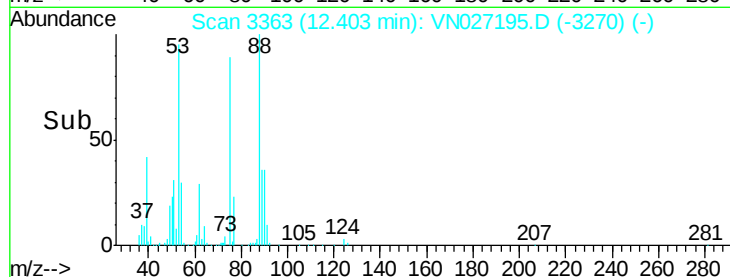
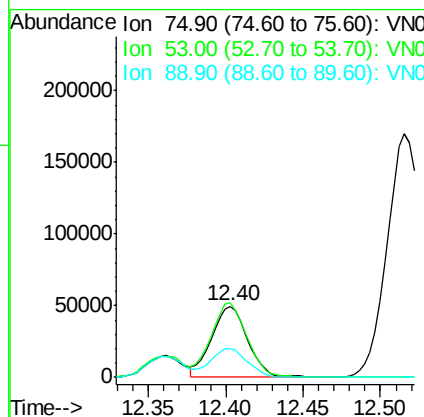
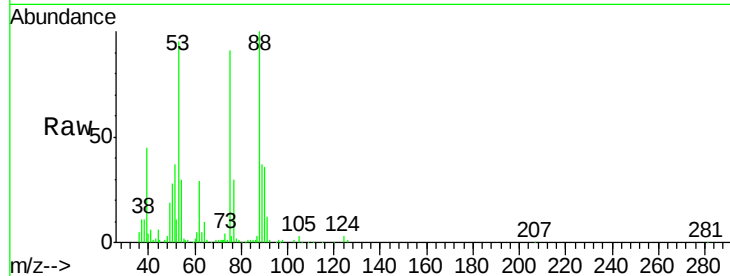
ClientSampleId :

S39-0095MS

Tot Ion:	75	Resp:	79895
Ion	Ratio	Lower	Upper
75	100		
53	102.5	92.9	139.3
89	41.7	34.2	51.4

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#83

4-Chlorotoluene

Concen: 45.30 ug/l

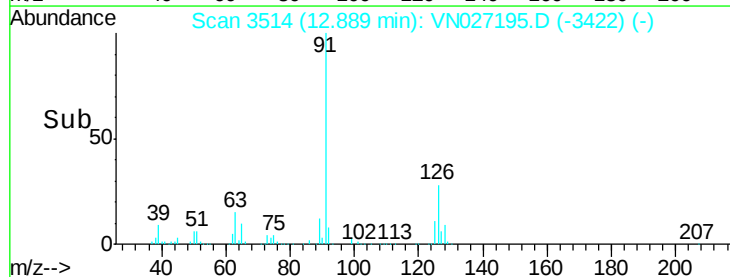
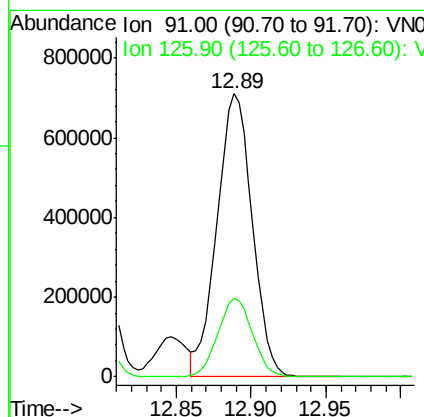
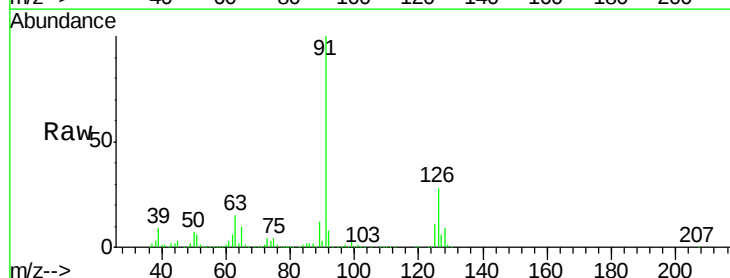
RT: 12.89 min Scan# 3514

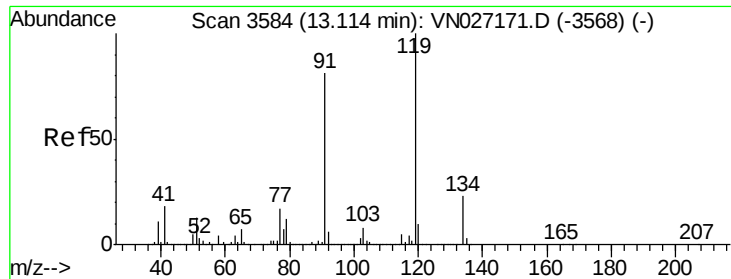
Delta R.T. -0.00 min

Lab File: VN027195.D

Acq: 16 Sep 2015 6:43

Tgt Ion:	91	Resp:	1160769
Ion	Ratio	Lower	Upper
91	100		
126	27.3	14.9	44.5





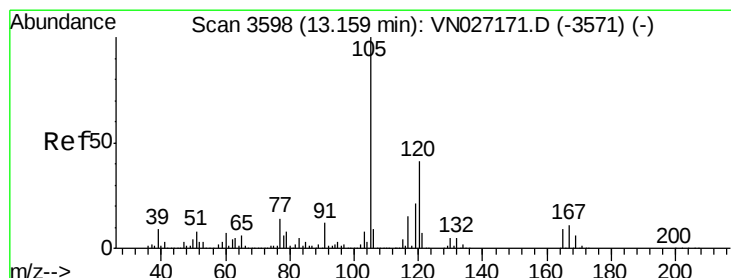
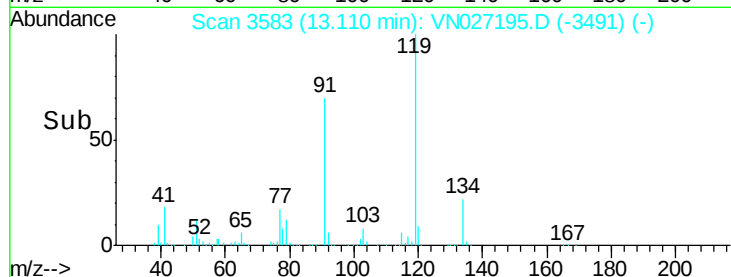
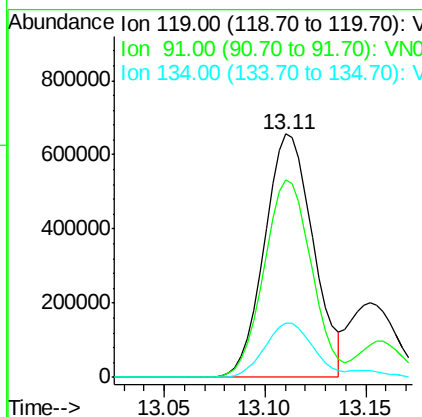
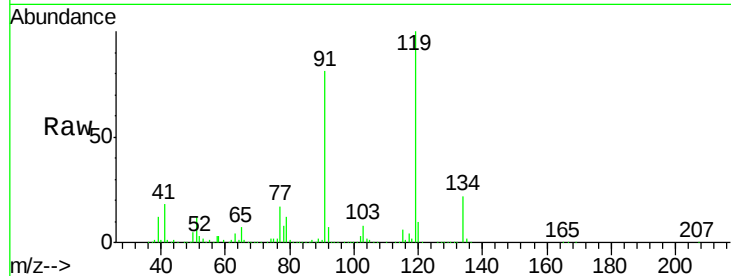
#84
 tert-Butylbenzene
 Concen: 44.86 ug/l
 RT: 13.11 min Scan# 3583
 Delta R.T. -0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampled :
 S39-0095MS

Tot Ion:119 Resp: 1097648
 Ion Ratio Lower Upper
 119 100
 91 79.5 34.6 103.8
 134 22.2 11.4 34.2

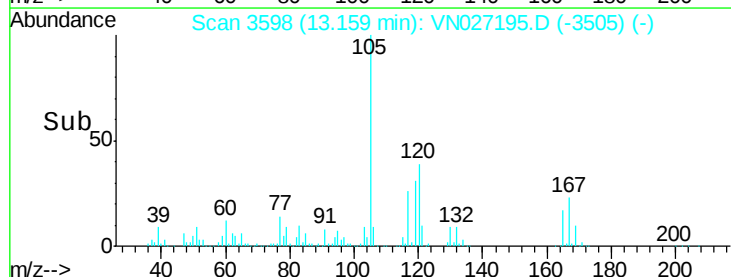
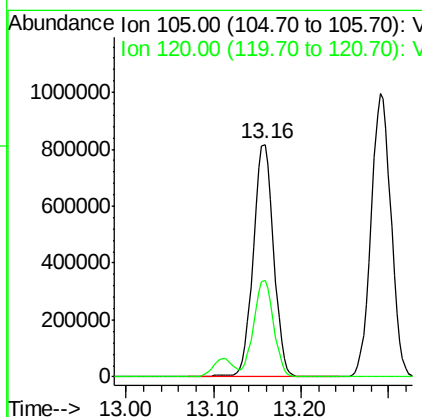
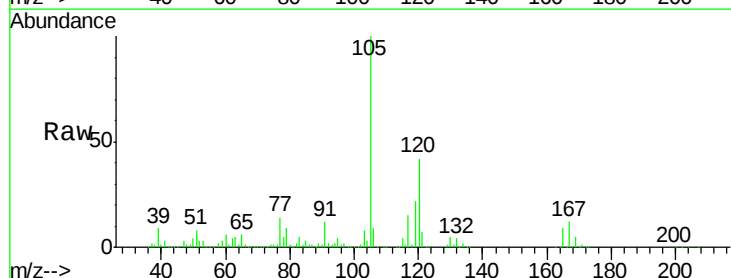
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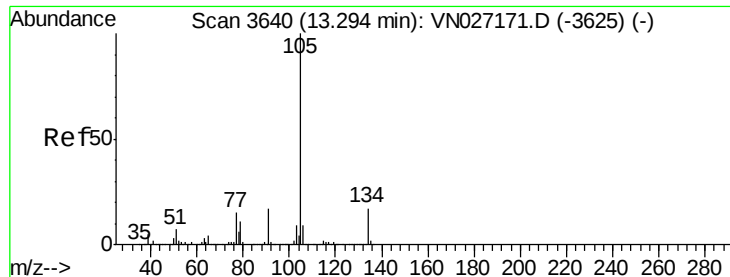
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#85
 1,2,4-Trimethylbenzene
 Concen: 44.20 ug/l
 RT: 13.16 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion:105 Resp: 1316732
 Ion Ratio Lower Upper
 105 100
 120 41.0 21.9 65.5





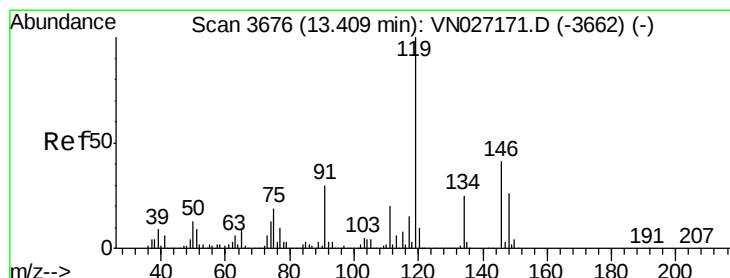
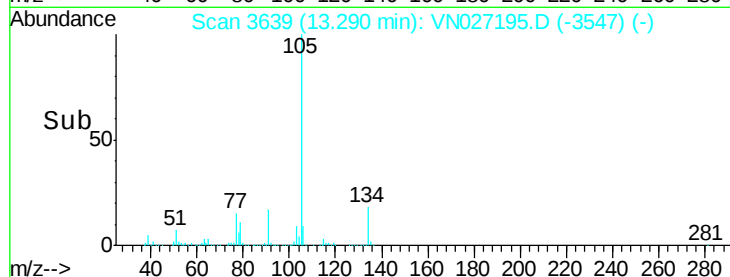
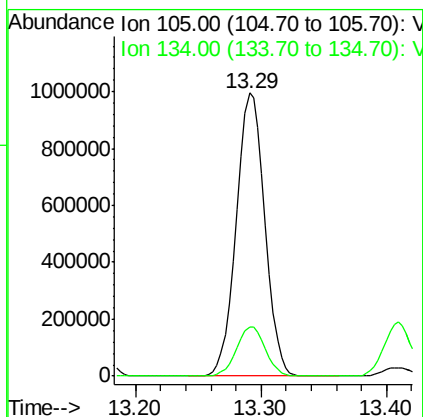
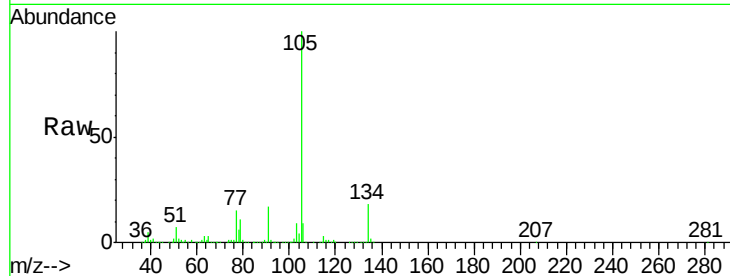
#86
 sec-Butylbenzene
 Concen: 43.80 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion:105 Resp: 1569937
 Ion Ratio Lower Upper
 105 100
 134 17.5 8.8 26.4

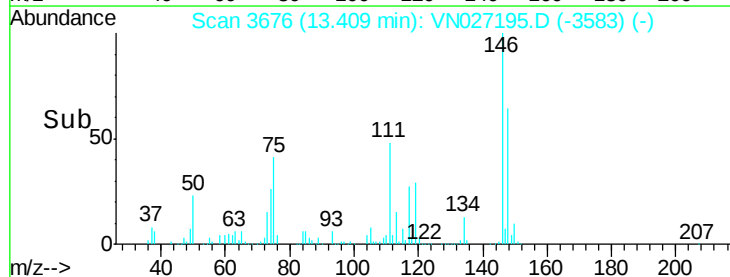
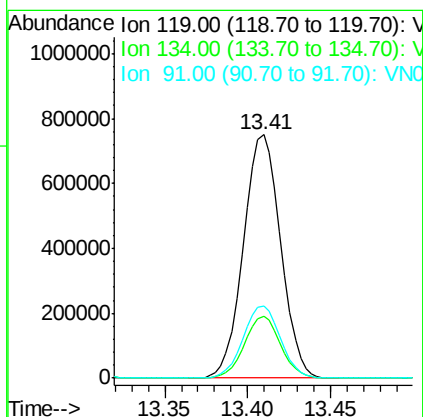
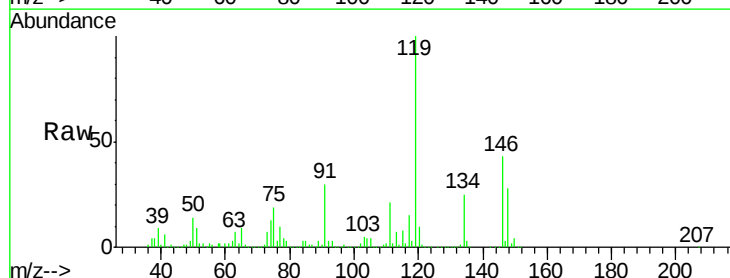
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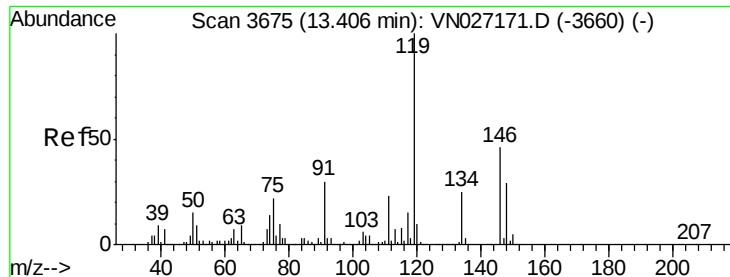
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#87
 p-Isopropyltoluene
 Concen: 42.33 ug/l
 RT: 13.41 min Scan# 3676
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion:119 Resp: 1168620
 Ion Ratio Lower Upper
 119 100
 134 24.7 12.4 37.0
 91 29.5 12.0 36.1





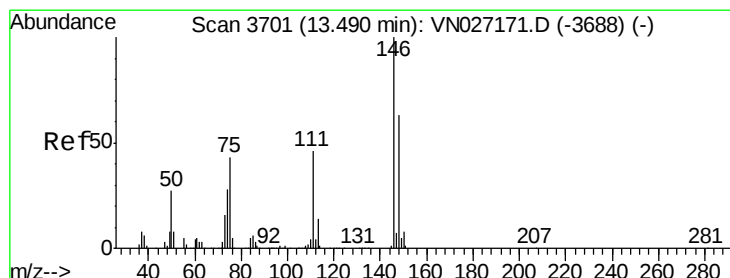
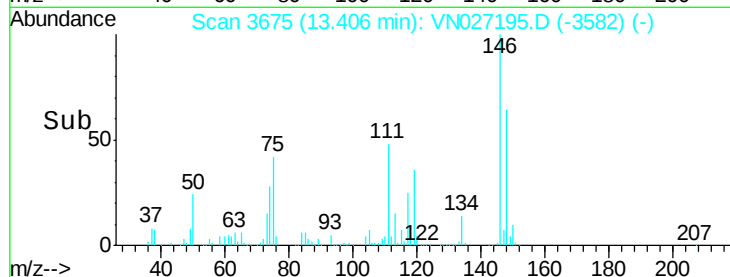
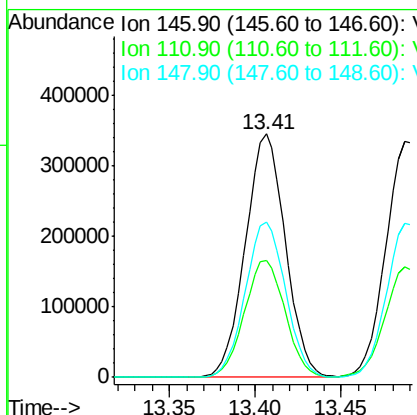
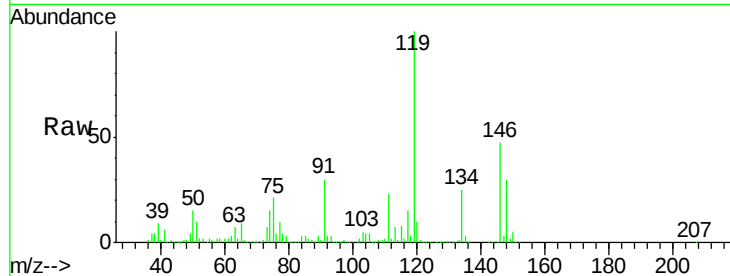
#88
 1,3-Dichlorobenzene
 Concen: 45.01 ug/l
 RT: 13.41 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampled :
 S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	557536		
111	48.8	21.0	63.0	
148	64.3	31.9	95.9	

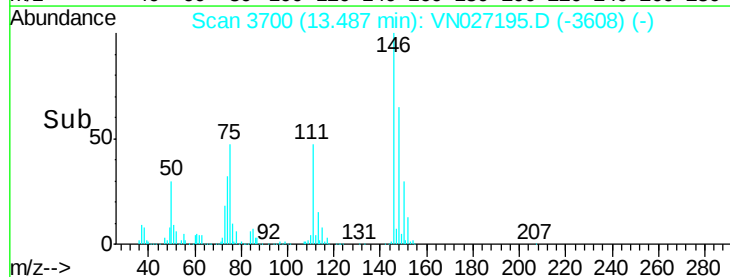
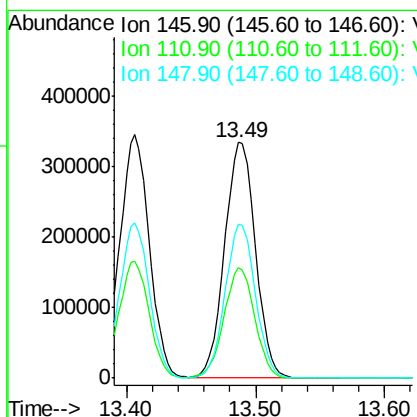
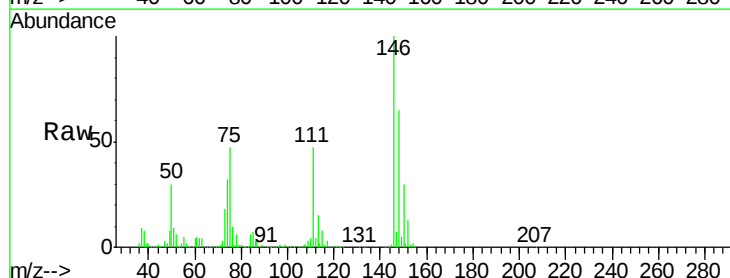
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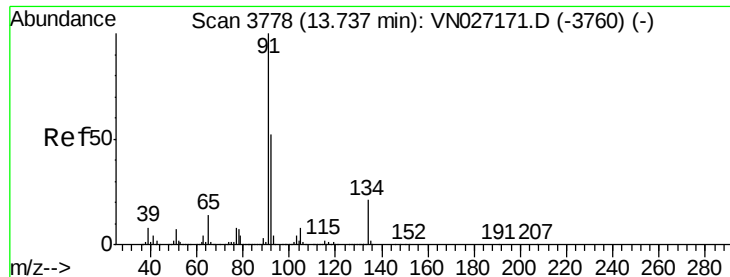
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#89
 1,4-Dichlorobenzene
 Concen: 44.07 ug/l
 RT: 13.49 min Scan# 3700
 Delta R.T. -0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	552851		
111	46.7	19.9	59.6	
148	64.0	31.7	95.1	





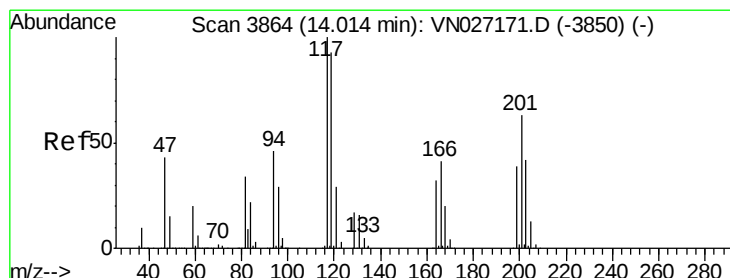
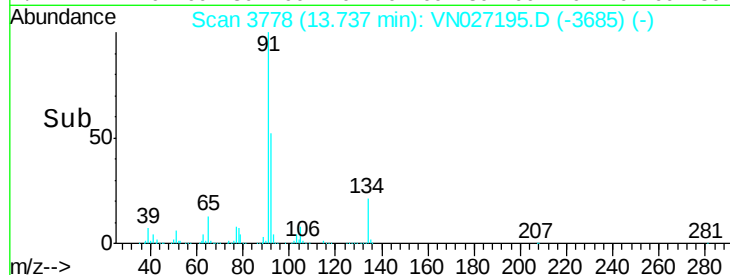
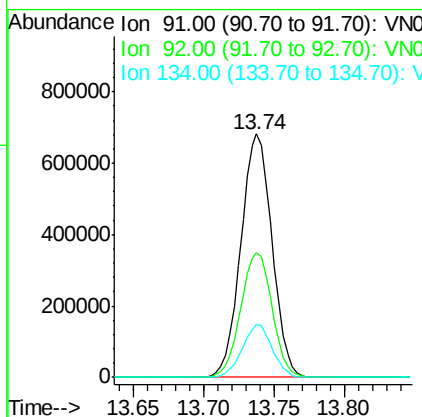
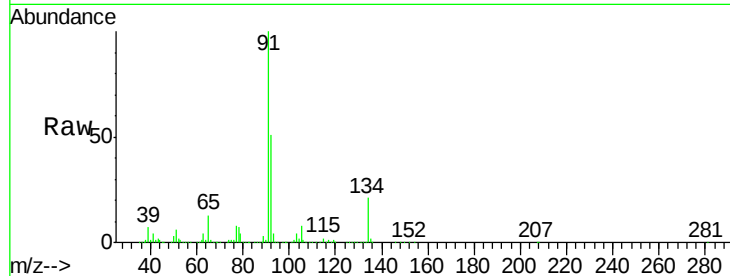
#90
n-Butylbenzene
Concen: 39.33 ug/l
RT: 13.74 min Scan# 3778
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.2
134	21.0	11.1	33.1

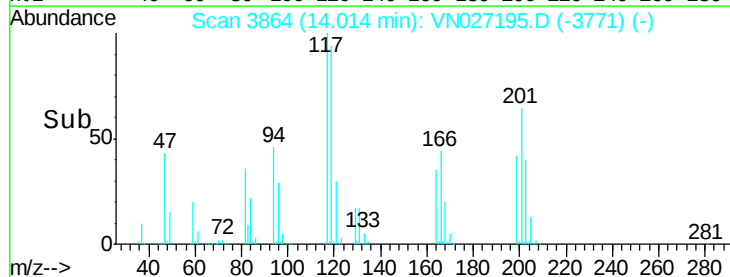
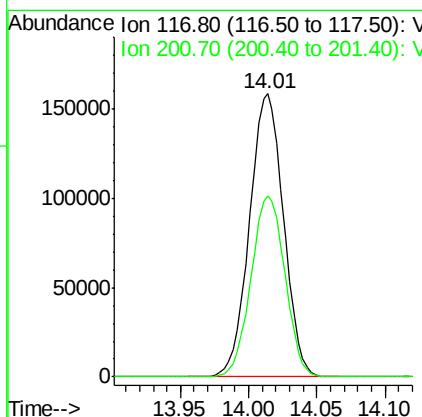
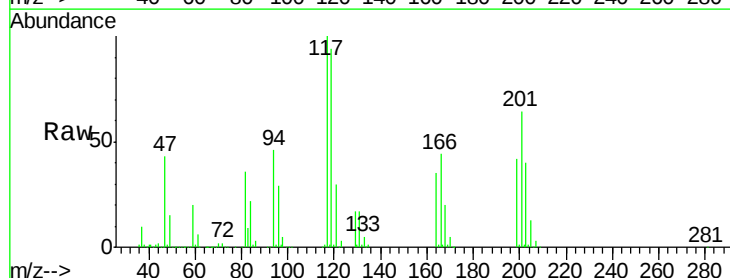
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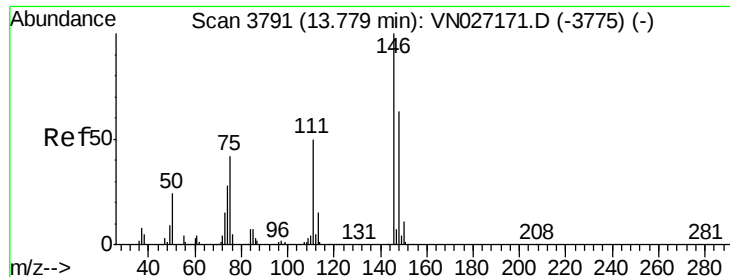
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#91
Hexachloroethane
Concen: 45.34 ug/l
RT: 14.01 min Scan# 3864
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Lower	Upper
117	100		
201	63.7	34.9	104.7





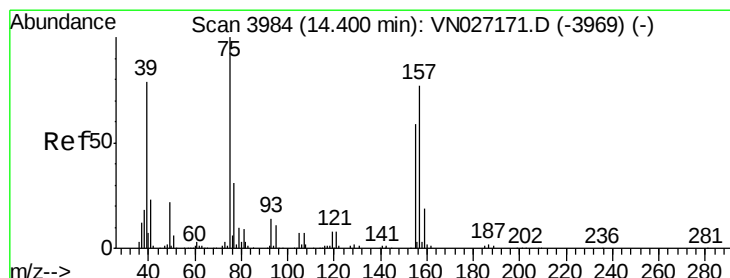
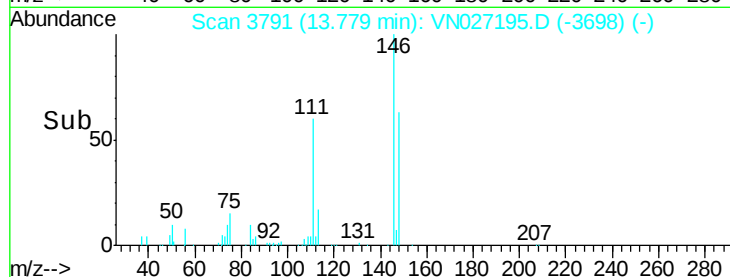
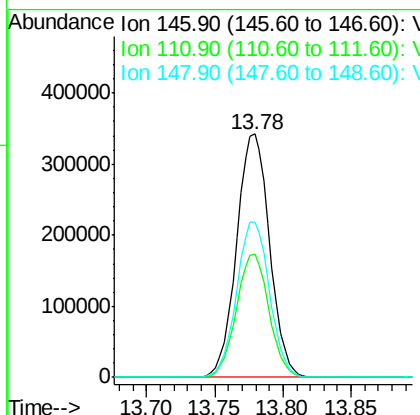
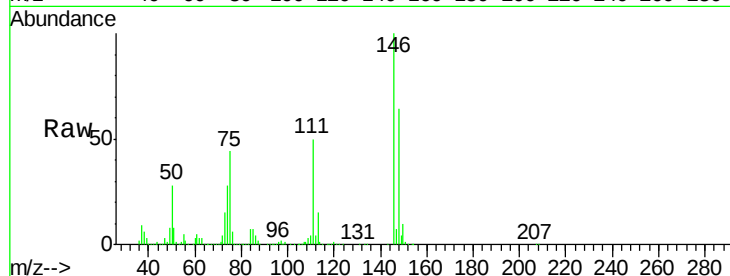
#92
 1,2-Dichlorobenzene
 Concen: 46.86 ug/l
 RT: 13.78 min Scan# 3791
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	573684		
111	50.0	22.1	66.3	
148	63.9	32.0	96.0	

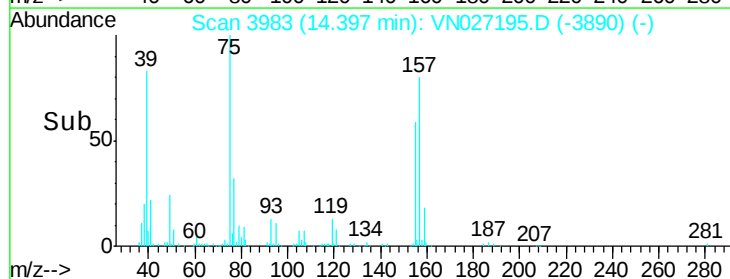
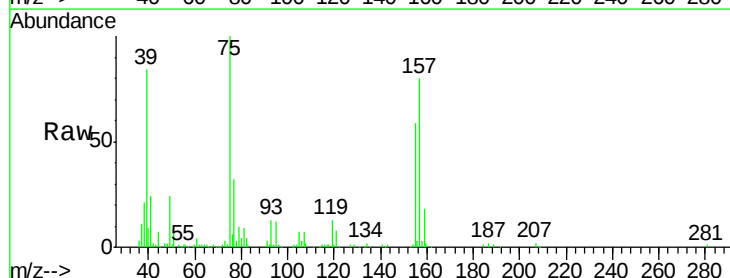
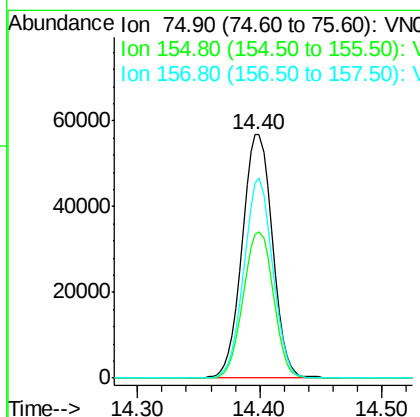
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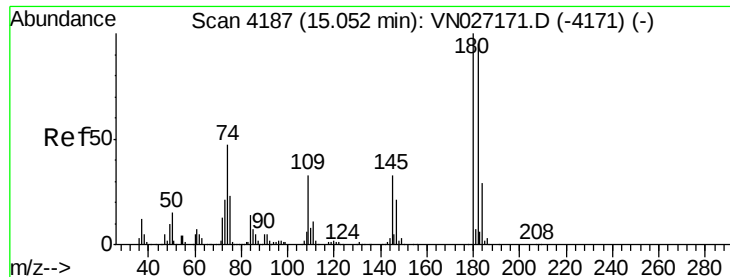
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#93
 1,2-Dibromo-3-Chloropropane
 Concen: 45.92 ug/l
 RT: 14.40 min Scan# 3983
 Delta R.T. -0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97052		
155	59.5	35.6	106.9	
157	77.6	44.6	133.8	





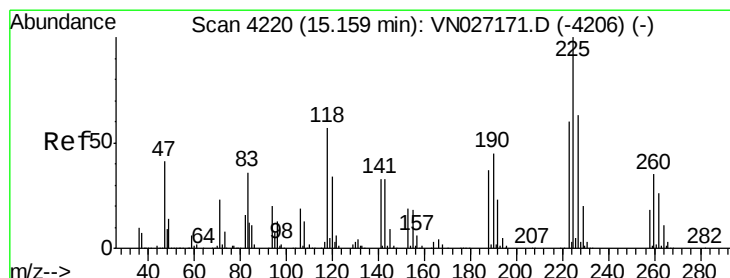
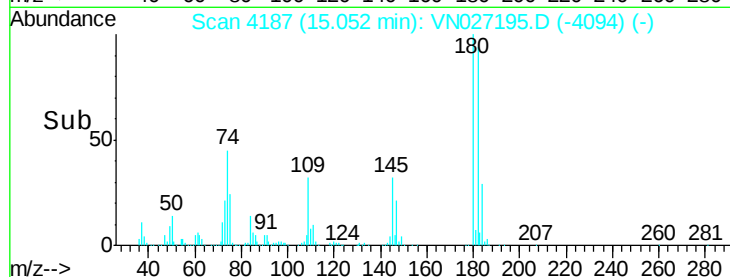
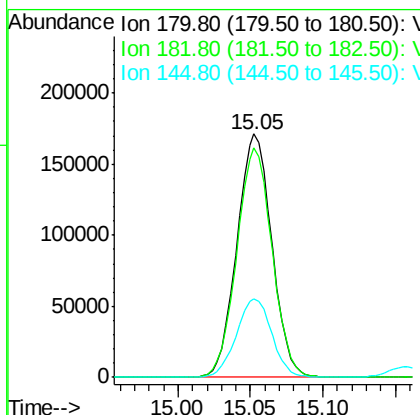
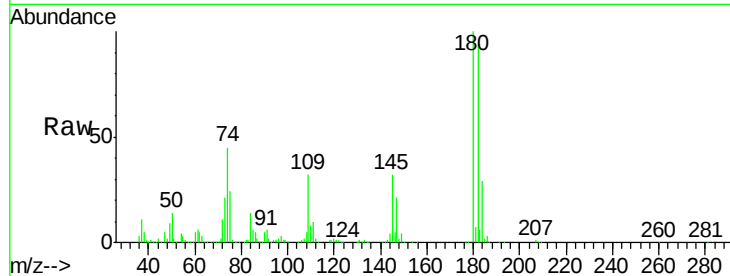
#94
 1,2,4-Trichlorobenzene
 Concen: 43.29 ug/l
 RT: 15.05 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0095MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	286304		
182	95.5	47.5	142.5	
145	32.9	15.1	45.3	

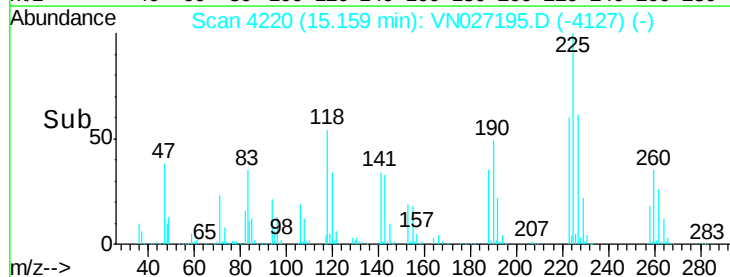
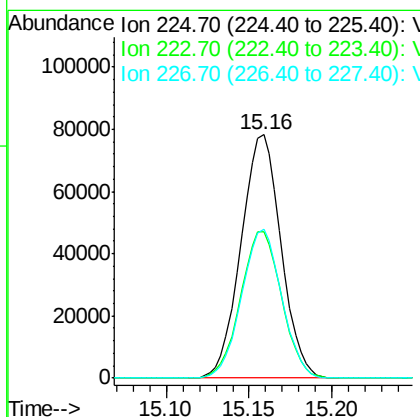
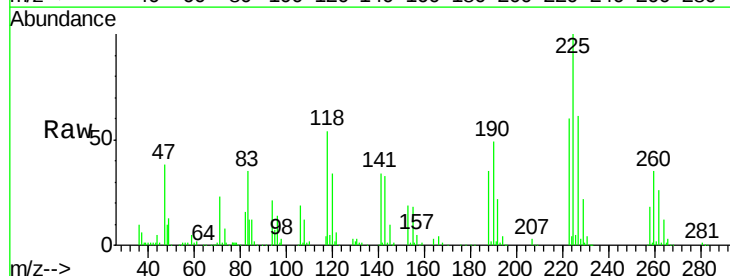
Manual Integrations
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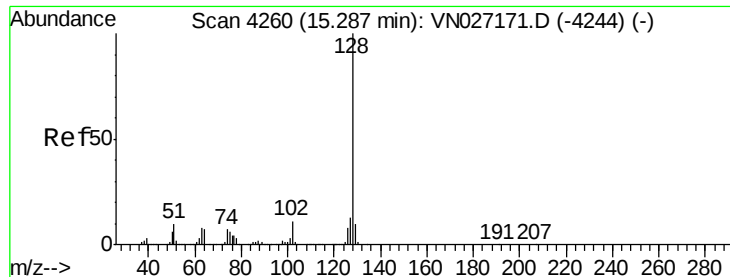
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#95
 Hexachlorobutadiene
 Concen: 37.66 ug/l
 RT: 15.16 min Scan# 4220
 Delta R.T. 0.00 min
 Lab File: VN027195.D
 Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	131172		
223	61.5	30.8	92.3	
227	61.1	31.7	95.1	





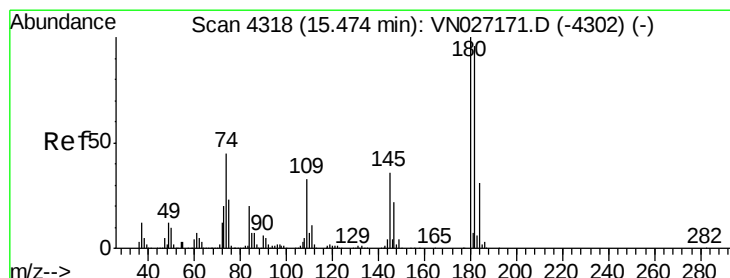
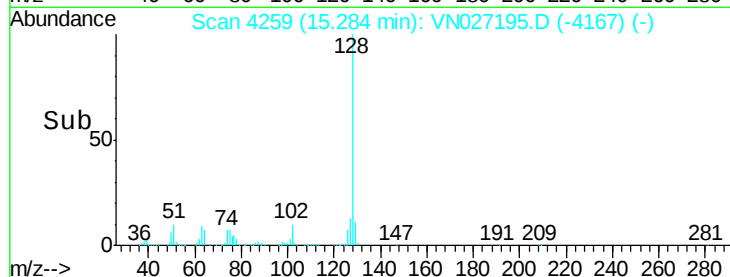
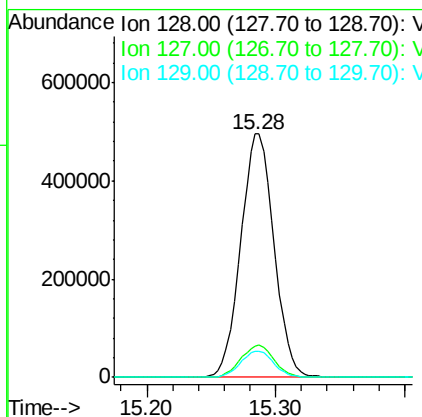
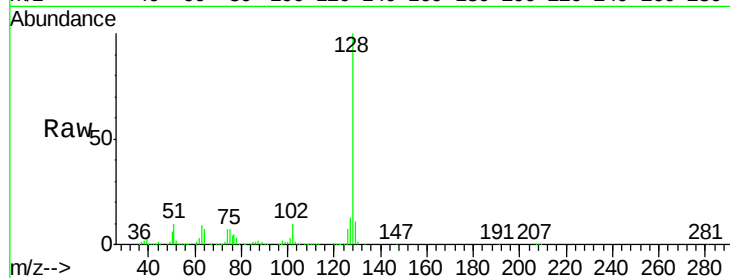
#96
Naphthalene
Concen: 45.84 ug/l
RT: 15.28 min Scan# 4259
Delta R.T. -0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Instrument :
MSVOA_N
ClientSampleId :
S39-0095MS

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
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#97
1,2,3-Trichlorobenzene
Concen: 44.85 ug/l
RT: 15.47 min Scan# 4318
Delta R.T. 0.00 min
Lab File: VN027195.D
Acq: 16 Sep 2015 6:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	48.8	146.4
145	35.5	16.6	49.8

