

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052094.D
 Acq On : 1 Nov 2018 10:09
 Operator : MD\SY
 Sample : VSTDICC150
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:13 AM

Quant Time: Nov 02 05:35:04 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:15:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	70045	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	404260	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	366956	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	145872	28.06	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.53%
60) 4-Bromofluorobenzene	12.40	95	173066	29.48	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.27%
63) Toluene-d8	10.09	98	499502	28.95	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.50%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	745761	159.412	ug/l 97
3) Chloromethane	2.06	50	777151	145.350	ug/l 99
4) Vinyl Chloride	2.19	62	753109	143.585	ug/l 97
5) Bromomethane	2.55	94	519055	144.983	ug/l 98
6) Chloroethane	2.70	64	466673	139.150	ug/l 97
7) Trichlorofluoromethane	3.02	101	1041331	146.610	ug/l 95
8) Diethyl Ether	3.41	74	353488	147.397	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	612511	147.547	ug/l 94
10) 1,1-Dichloroethene	3.74	96	589003	152.057	ug/l 90
11) Methyl Iodide	3.96	142	925576	165.265	ug/l 97
12) Methyl Acetate	4.32	43	457395	135.923	ug/l 100
13) Acrolein	3.61	56	280817	802.905	ug/l 98
14) Acrylonitrile	4.99	53	1024096	708.302	ug/l 100
15) Acetone	3.81	58	219837	643.320	ug/l 88
16) Carbon Disulfide	4.06	76	1784819	156.053	ug/l 98
17) Allyl chloride	4.33	41	964251	146.614	ug/l 98
18) Methylene Chloride	4.55	84	662990	138.667	ug/l 93
19) trans-1,2-Dichloroethene	5.04	96	635552	149.749	ug/l 94
20) Diisopropyl ether	5.95	45	2072294	144.921	ug/l 96
21) 1,1-Dichloroethane	5.85	63	1187930	142.233	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	726575	146.605	ug/l 98
23) tert-Butyl Alcohol	4.78	59	157752	691.552	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	1617968	147.337	ug/l 97
25) Chloroform	7.37	83	1205091	143.697	ug/l 95
26) Cyclohexane	7.66	56	1099727	146.884	ug/l # 99
29) 1,1-Dichloropropene	7.80	75	935039	145.686	ug/l 98
30) 2-Butanone	6.83	43	1159265	678.241	ug/l # 77
31) 2,2-Dichloropropane	6.83	77	974407	147.307	ug/l 99
32) 1,1,1-Trichloroethane	7.57	97	1084752	151.055	ug/l 96
33) Carbon Tetrachloride	7.78	117	960674	150.422	ug/l 96
34) Benzene	8.04	78	2712976	144.362	ug/l # 91
35) Methacrylonitrile	7.18	41	310111	89.665	ug/l # 74
36) 1,2-Dichloroethane	8.13	62	870159	138.485	ug/l 99
37) Trichloroethene	8.84	130	718660	152.790	ug/l 89
38) Methylcyclohexane	9.08	83	1159867	148.142	ug/l 97
39) 1,2-Dichloropropane	9.12	63	711356	142.199	ug/l 95
40) Dibromomethane	9.21	93	436133	141.440	ug/l 92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	935711	148.313	ug/l	97
42) Vinyl Acetate	5.90	43	7430335	742.574	ug/l	99
43) Ethyl Acetate	6.83	43	1159265	97.439	ug/l #	88
44) Isopropyl Acetate	8.16	43	1036848	145.791	ug/l	98
45) 1,4-Dioxane	9.20	88	91767	2828.513	ug/l #	80
46) Methyl methacrylate	9.20	41	512425	144.748	ug/l	98
47) n-amyl Acetate	12.07	43	967698	149.992	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	980427	156.498	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	1117355	154.525	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	591551	145.079	ug/l	98
51) Ethyl methacrylate	10.43	69	792163	150.324	ug/l	98
52) 1,3-Dichloropropane	10.71	76	1021140	143.774	ug/l	99
53) Dibromochloromethane	10.90	129	715717	162.591	ug/l	99
54) 1,2-Dibromoethane	11.01	107	627523	151.768	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	2162954	749.547	ug/l	98
56) Bromoform	12.13	173	427750	168.245	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	2743206	697.640	ug/l	99
59) 2-Hexanone	10.75	43	1840469	679.792	ug/l	98
61) Tetrachloroethene	10.63	164	609853	152.812	ug/l	94
62) Toluene	10.16	91	3046670	147.900	ug/l	98
64) Chlorobenzene	11.44	112	1948050	149.213	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	691218	155.556	ug/l	99
66) Ethyl Benzene	11.51	91	3339723	150.093	ug/l	99
67) m/p-Xylenes	11.62	106	2588815	302.201	ug/l	97
68) o-Xylene	11.95	106	1245754	152.529	ug/l	94
69) Styrene	11.96	104	2028264	154.110	ug/l	97
70) Isopropylbenzene	12.25	105	3308214	150.887	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	677254	140.435	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	582592m	145.282	ug/l	
73) Bromobenzene	12.53	156	764751	157.414	ug/l	89
74) n-propylbenzene	12.59	91	3829638	149.994	ug/l	98
75) 2-Chlorotoluene	12.67	91	2147745	145.908	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	2646867	150.554	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	218319	164.554	ug/l	91
78) 4-Chlorotoluene	12.77	91	2239242	151.063	ug/l	97
79) tert-butylbenzene	12.99	119	2286810	149.322	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	2667594	152.307	ug/l	98
81) sec-Butylbenzene	13.17	105	3216141	152.597	ug/l	99
82) p-Isopropyltoluene	13.29	119	2774432	155.769	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	1357384	157.958	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	1367650	160.768	ug/l	96
85) n-Butylbenzene	13.62	91	2446745	158.717	ug/l	99
86) Hexachloroethane	13.88	117	494949	164.670	ug/l	93
87) 1,2-Dichlorobenzene	13.65	146	1265284	154.974	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	94919	143.940	ug/l #	87
89) 1,2,4-Trichlorobenzene	14.91	180	569426	171.811	ug/l	96
90) Hexachlorobutadiene	15.01	225	283758	156.492	ug/l	98
91) Naphthalene	15.13	128	1304768	170.801	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	495541	171.557	ug/l	100

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QLast Update : Fri Nov 02 05:15:09 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

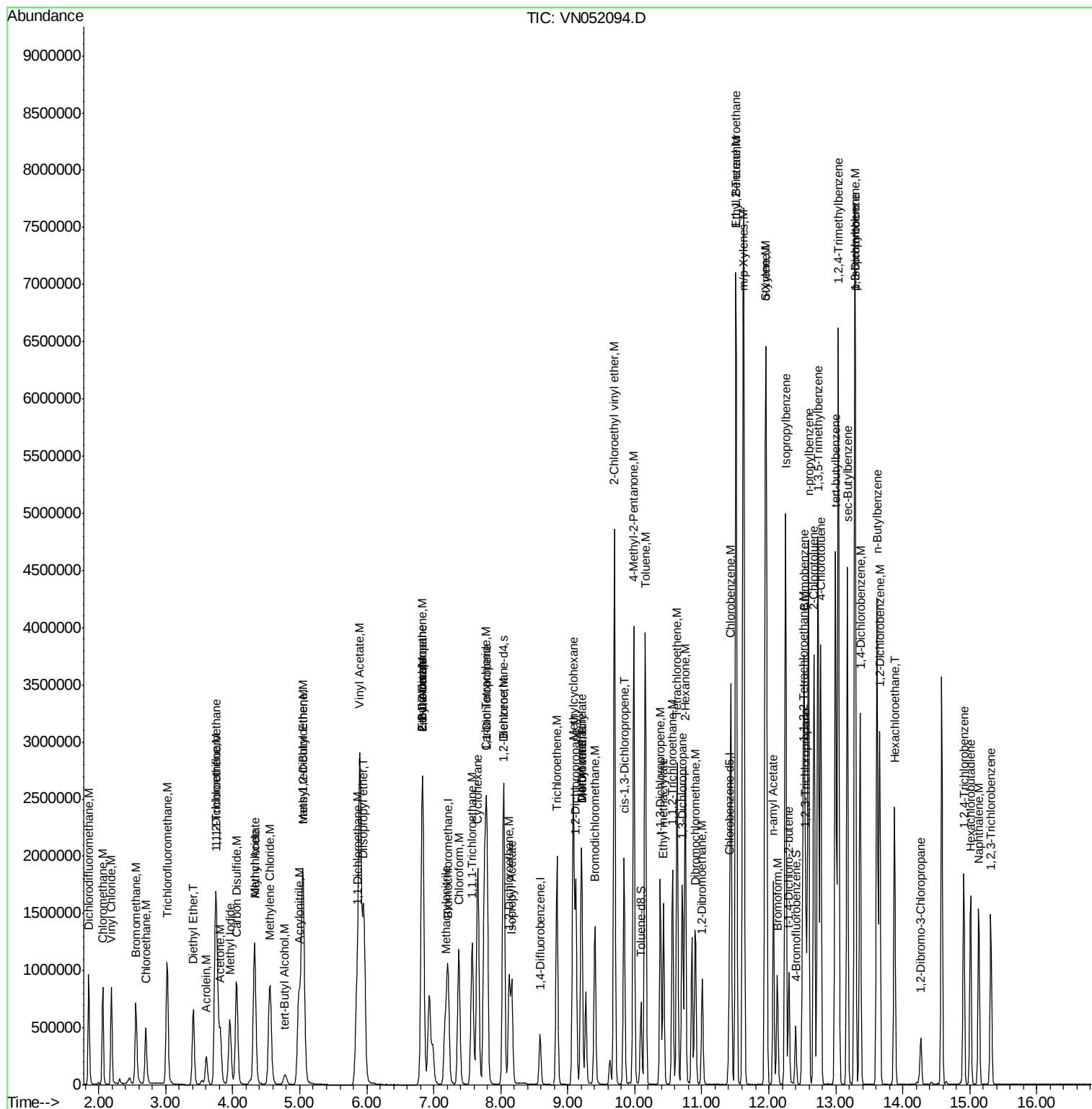
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Data File : VN052094.D
Acq On : 1 Nov 2018 10:09
Operator : MD\SY
Sample : VSTDIC150
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 28

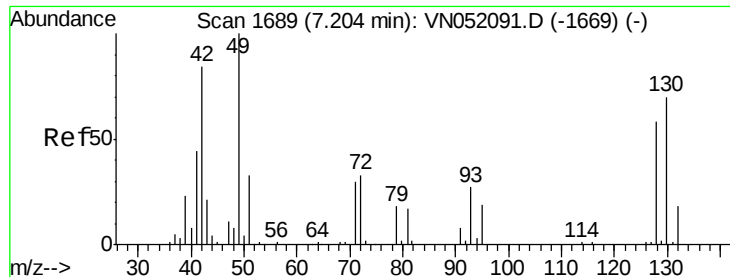
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

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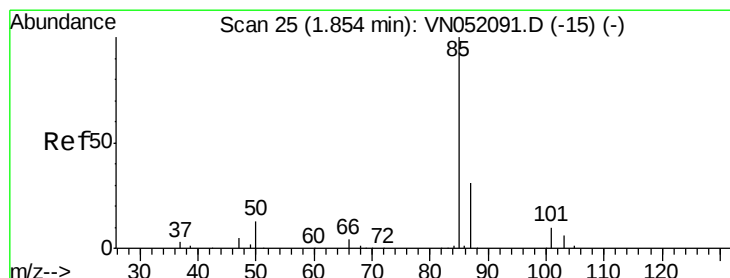
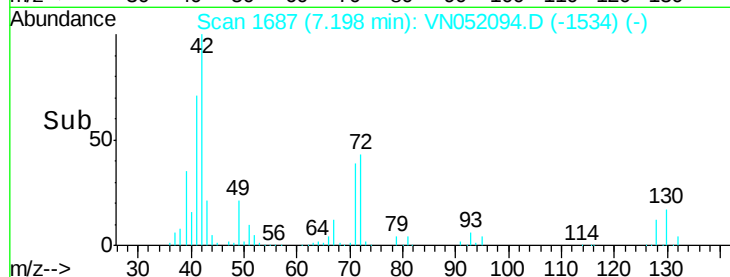
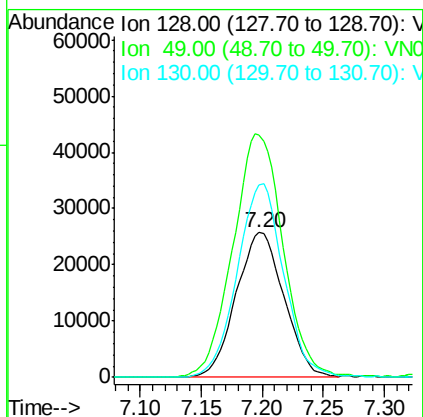
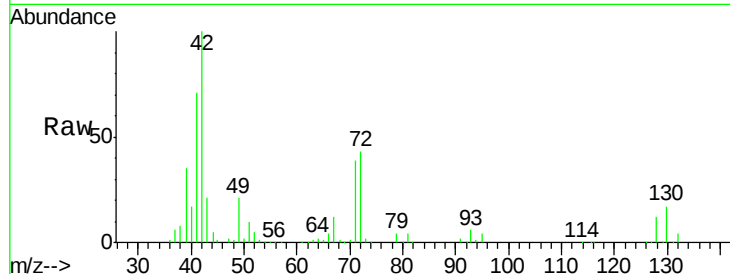
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
49	175.6	0.0	453.7
130	129.5	0.0	308.8

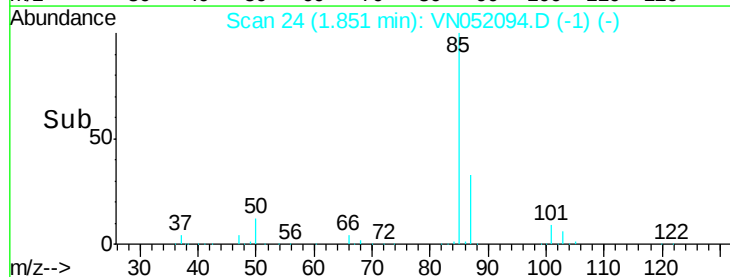
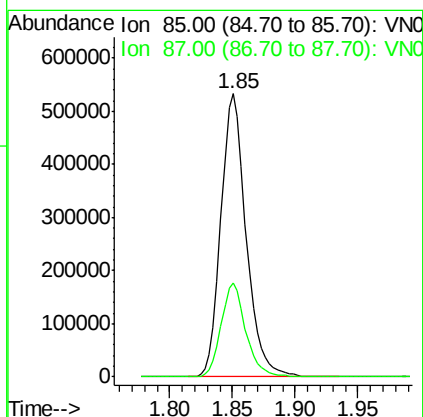
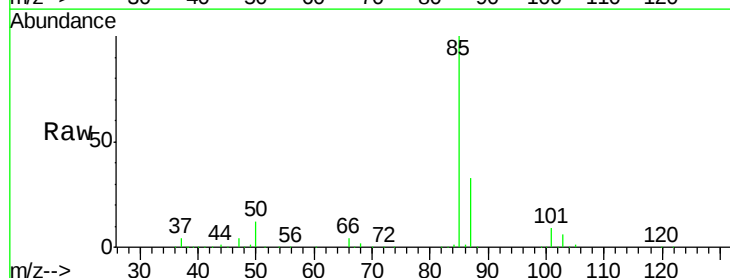
Manual Integrations
APPROVED

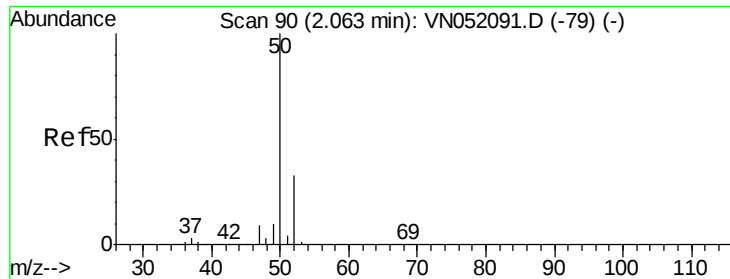
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#2
Dichlorodifluoromethane
Concen: 159.412 ug/l
RT: 1.85 min Scan# 24
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	15.7	47.1





#3

Chloromethane

Concen: 145.350 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 50 Resp: 777151

Ion Ratio Lower Upper

50 100

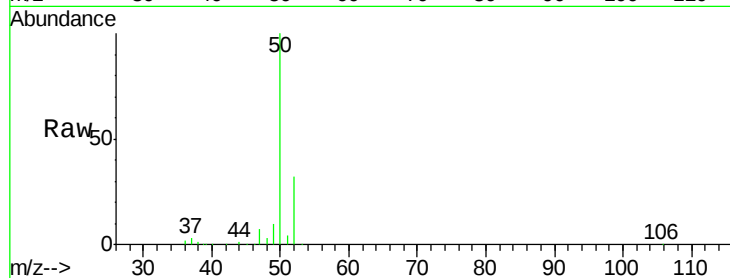
52 32.4 26.5 39.7

Manual Integrations

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Abundance Ion 50.00 (49.70 to 50.70): VN052091.D (-79) (-)

Ion 52.00 (51.70 to 52.70): VN052091.D (-79) (-)

2.06

500000

400000

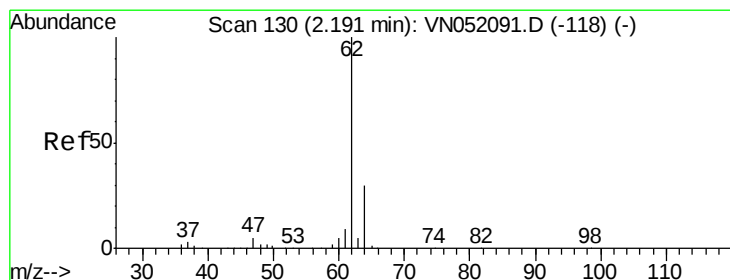
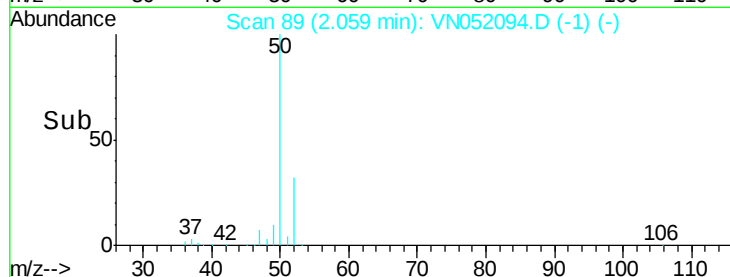
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 143.585 ug/l

RT: 2.19 min Scan# 129

Delta R.T. -0.00 min

Lab File: VN052094.D

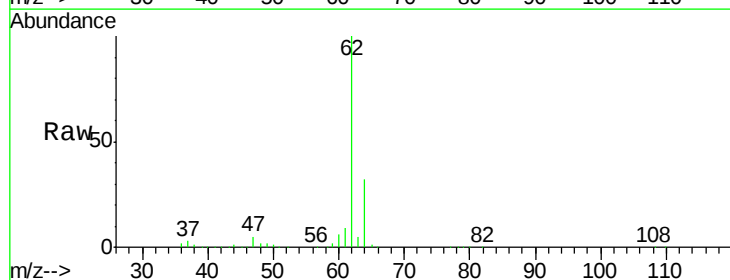
Acq: 1 Nov 2018 10:09

Tgt Ion: 62 Resp: 753109

Ion Ratio Lower Upper

62 100

64 32.2 24.2 36.4



Abundance Ion 62.00 (61.70 to 62.70): VN052091.D (-118) (-)

Ion 64.00 (63.70 to 64.70): VN052091.D (-118) (-)

2.19

500000

400000

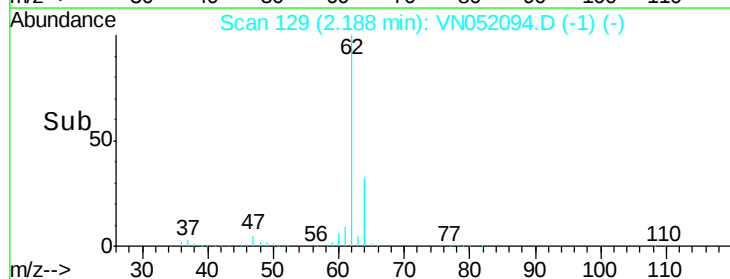
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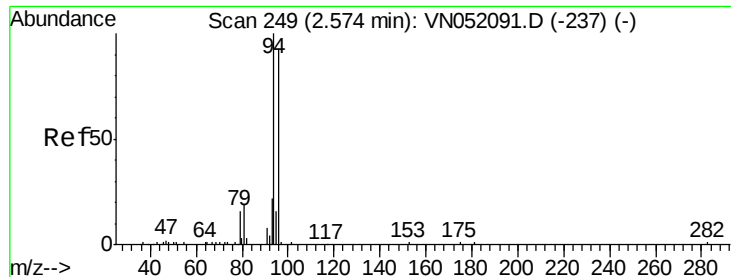
200000

100000

0

Time-->





#5

Bromomethane

Concen: 144.983 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.02 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 519055

Ion Ratio Lower Upper

94 100

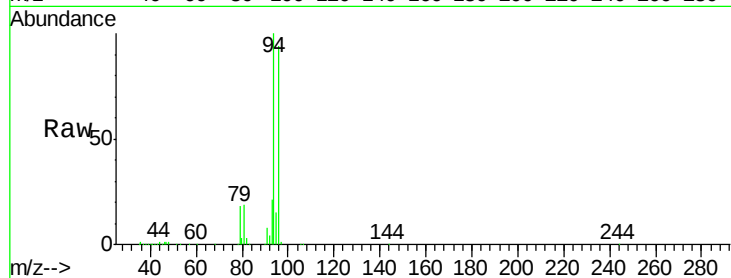
96 94.1 73.4 110.0

Manual Integrations

APPROVED

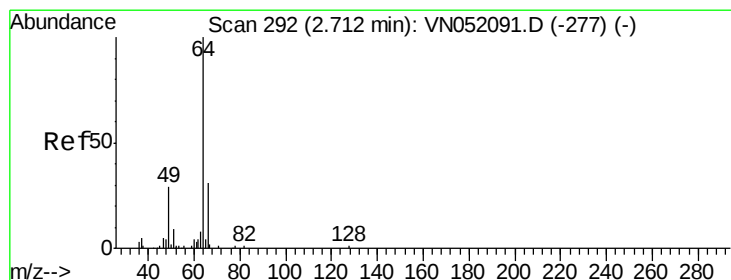
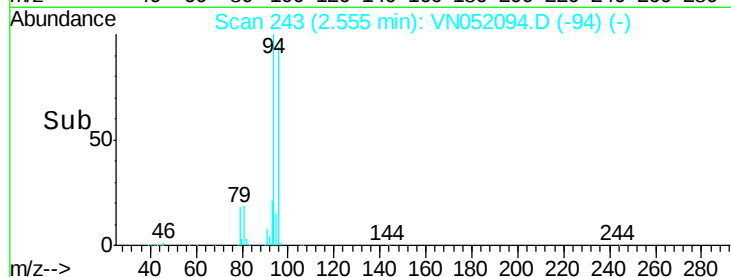
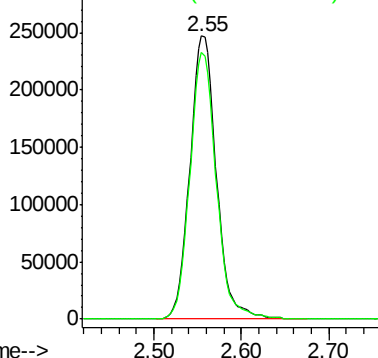
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 139.150 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.01 min

Lab File: VN052094.D

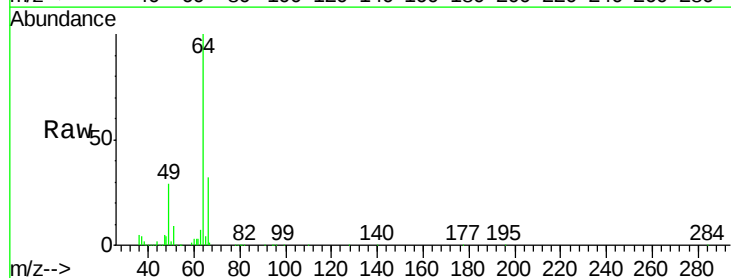
Acq: 1 Nov 2018 10:09

Tgt Ion: 64 Resp: 466673

Ion Ratio Lower Upper

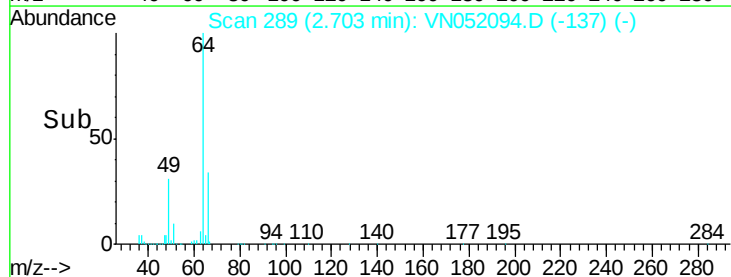
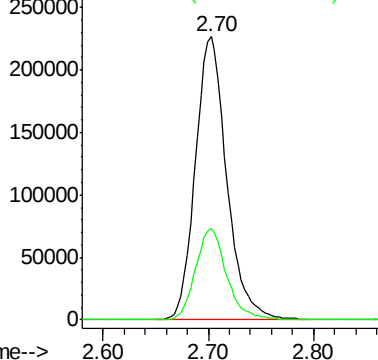
64 100

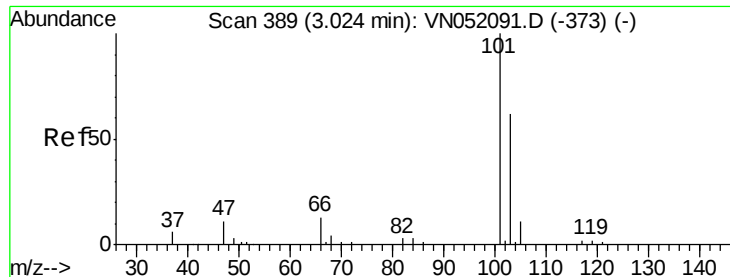
66 32.3 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

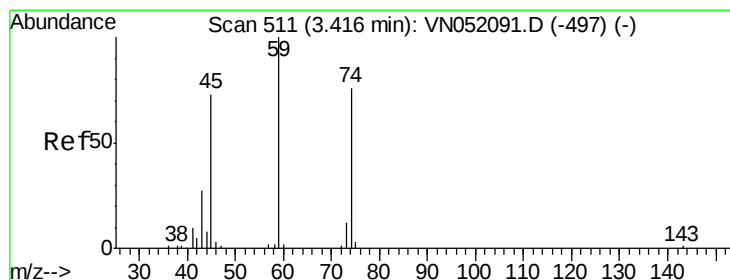
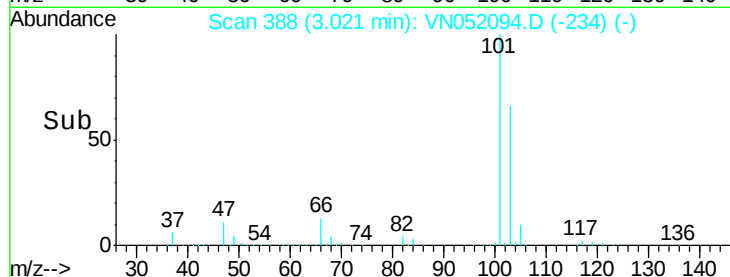
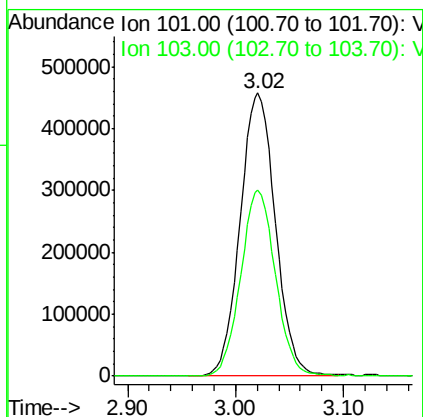
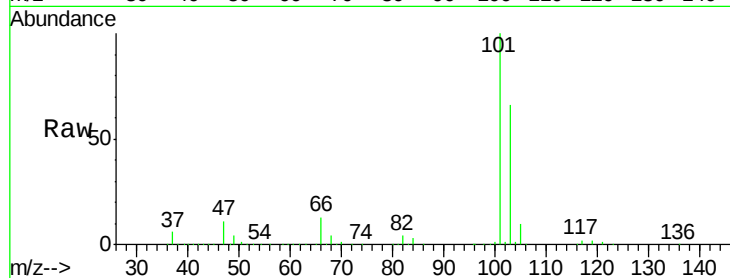
Trichlorofluoromethane
Concen: 146.610 ug/l
RT: 3.02 min Scan# 388
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 101 Resp: 1041331
Ion Ratio Lower Upper
101 100
103 65.8 49.5 74.3

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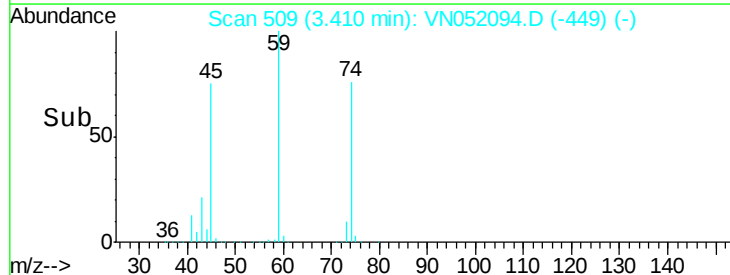
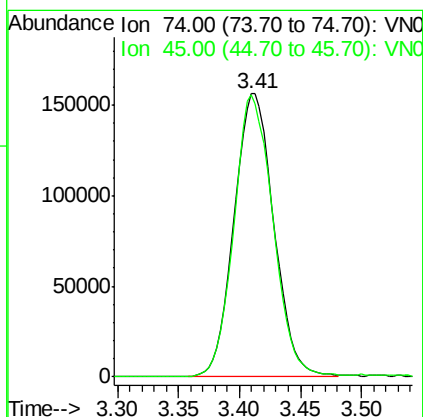
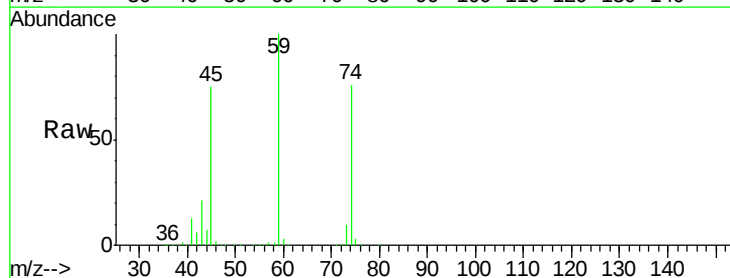
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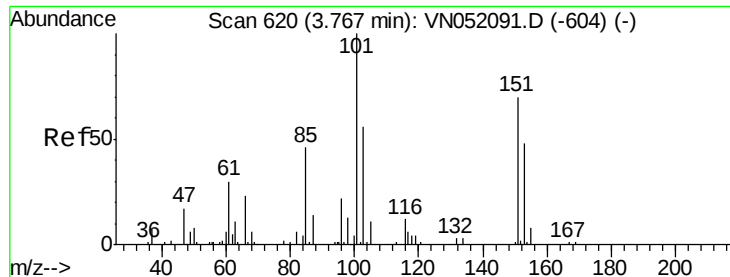


#8

Diethyl Ether
Concen: 147.397 ug/l
RT: 3.41 min Scan# 509
Delta R.T. -0.01 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 74 Resp: 353488
Ion Ratio Lower Upper
74 100
45 97.5 19.4 174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 147.547 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

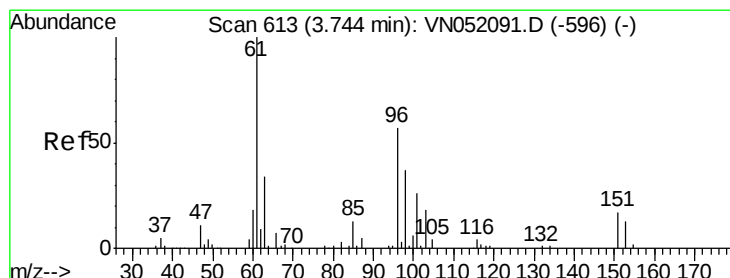
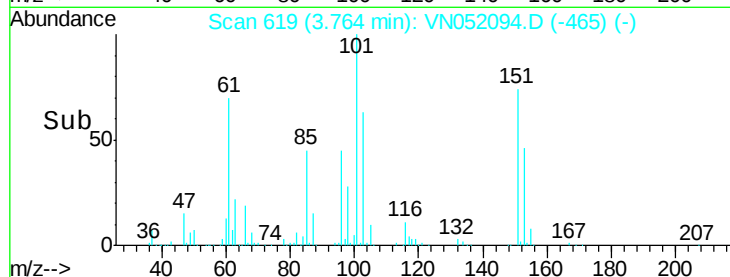
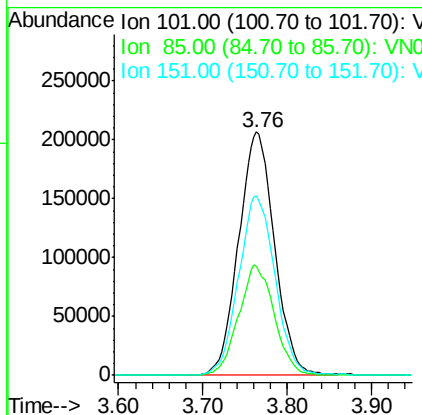
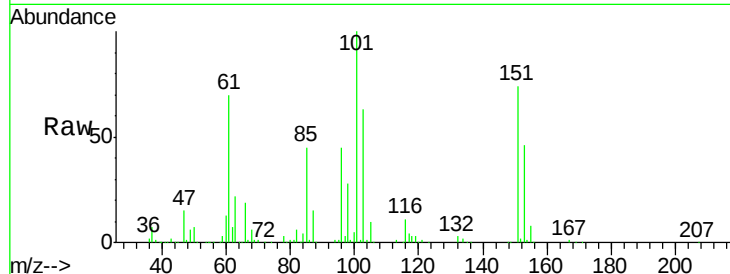
ClientSampled :

VSTDIC150

Tgt Ion:	101	Resp:	612511
Ion Ratio	Lower	Upper	
101	100		
85	44.8	0.0	98.0
151	74.6	0.0	139.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 152.057 ug/l

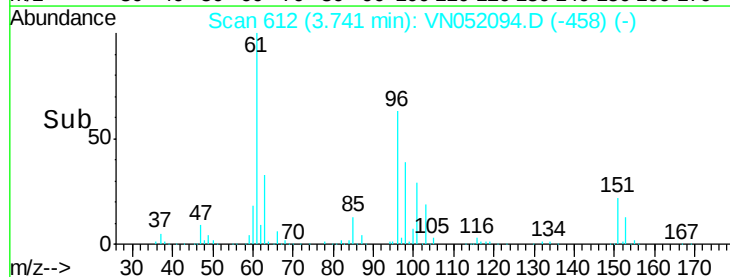
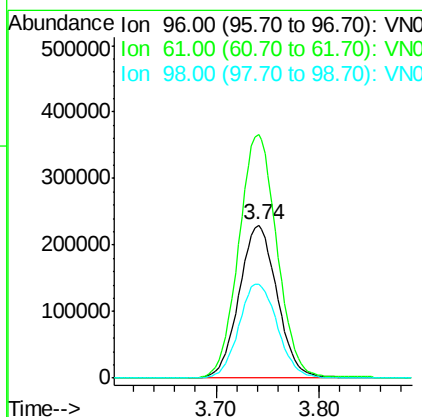
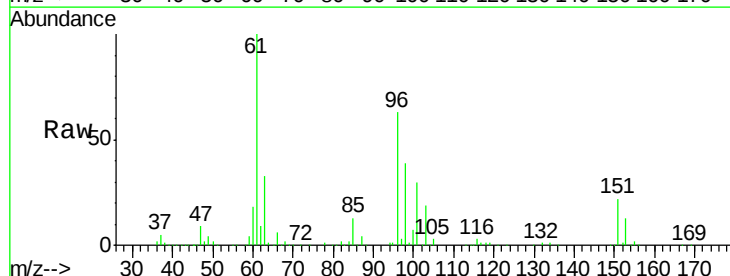
RT: 3.74 min Scan# 612

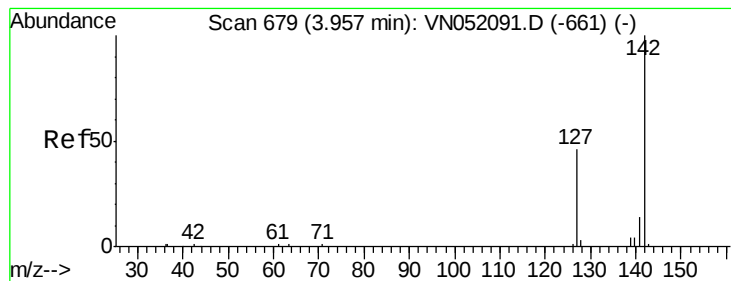
Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Tgt Ion:	96	Resp:	589003
Ion Ratio	Lower	Upper	
96	100		
61	159.0	140.3	210.5
98	61.5	52.0	78.0





#11

Methyl Iodide

Concen: 165.265 ug/l

RT: 3.96 min Scan# 679

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

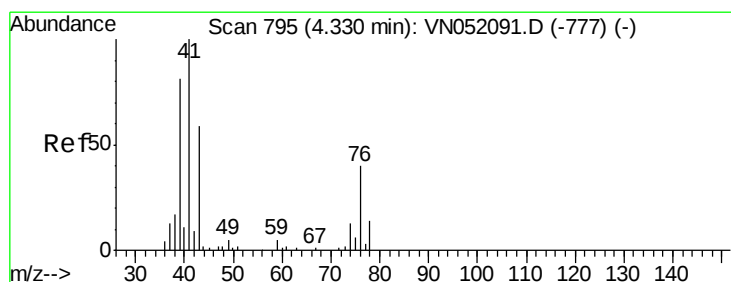
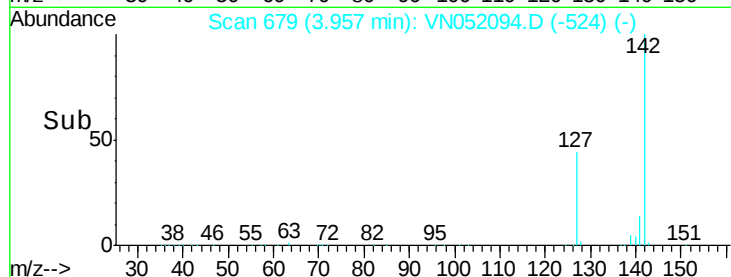
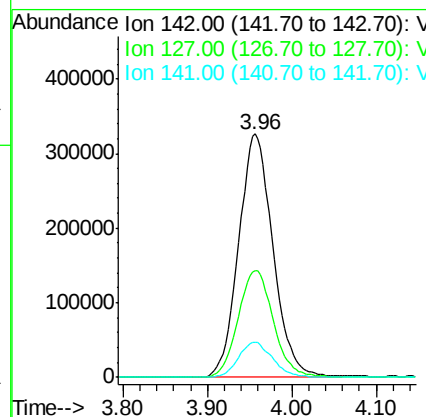
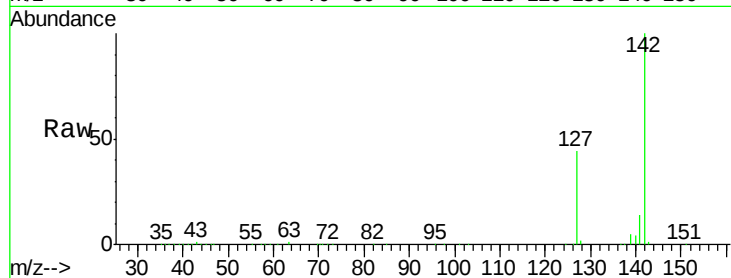
ClientSampleId :

VSTDIC150

Tgt Ion:	142	Resp:	925576
Ion Ratio	Lower	Upper	
142	100		
127	44.0	23.1	69.2
141	14.5	7.0	20.9

Manual Integrations
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#12

Methyl Acetate

Concen: 135.923 ug/l

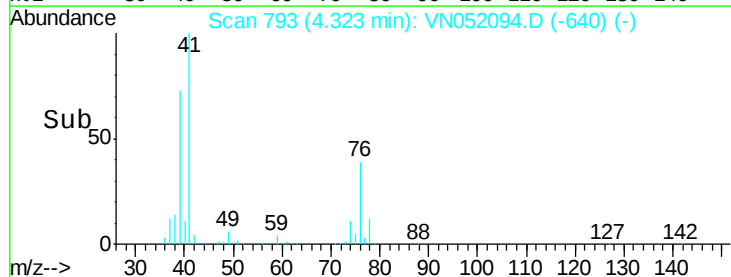
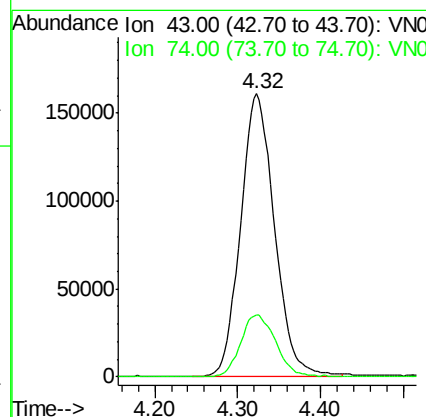
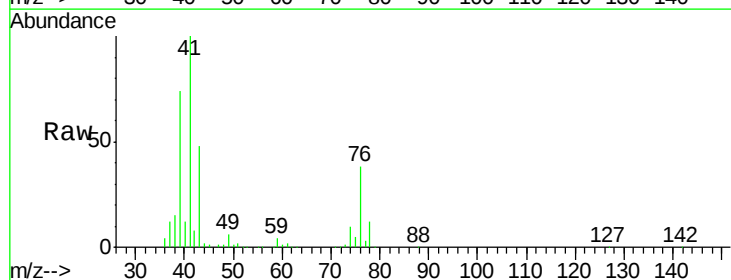
RT: 4.32 min Scan# 793

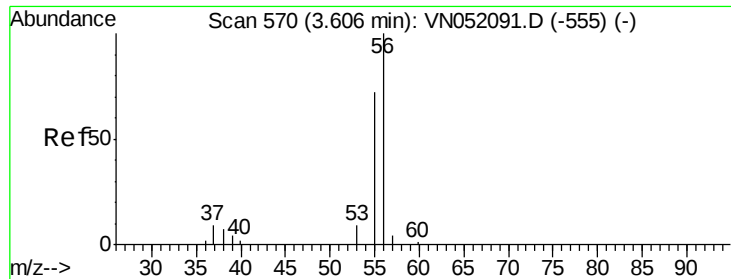
Delta R.T. -0.01 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Tgt Ion:	43	Resp:	457395
Ion Ratio	Lower	Upper	
43	100		
74	21.7	17.4	26.2





#13

Acrolein

Concen: 802.905 ug/l

RT: 3.61 min Scan# 570

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampled :

VSTDIC150

Tgt Ion: 56 Resp: 280817

Ion Ratio Lower Upper

56 100

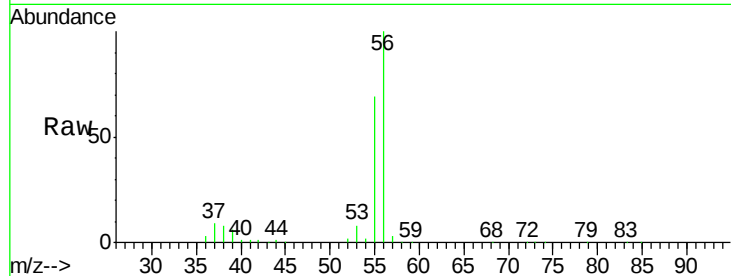
55 72.0 56.2 84.2

Manual Integrations

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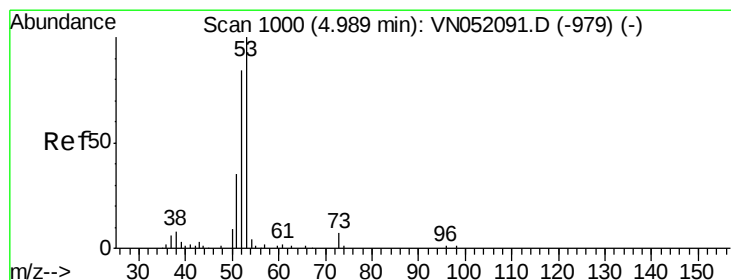
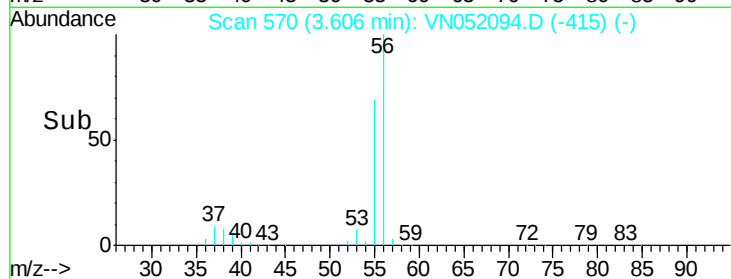
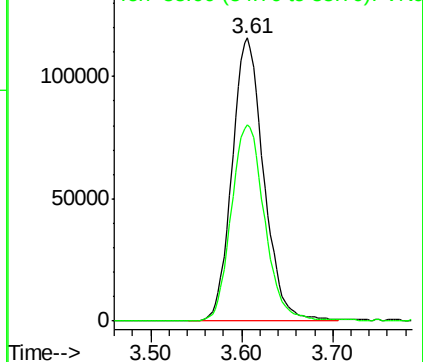
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 708.302 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

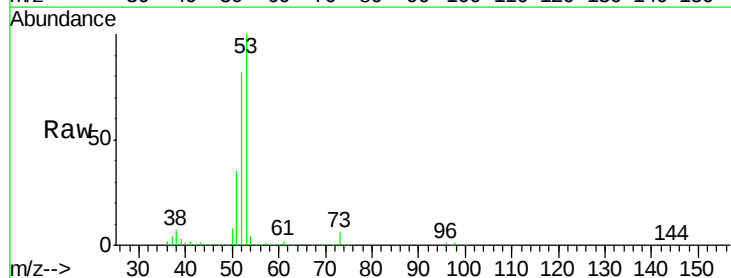
Tgt Ion: 53 Resp: 1024096

Ion Ratio Lower Upper

53 100

52 82.6 41.3 124.1

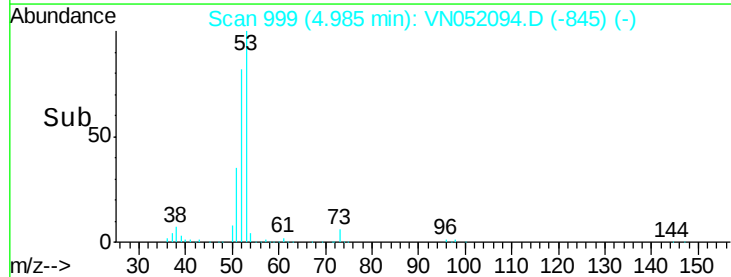
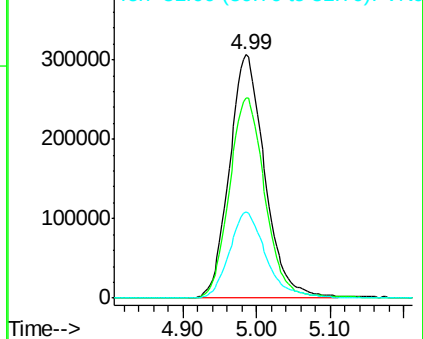
51 36.5 18.6 55.6

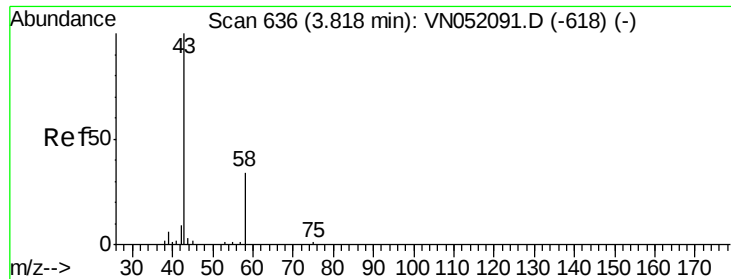


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 643.320 ug/l

RT: 3.81 min Scan# 634

Delta R.T. -0.01 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Tgt Ion: 58 Resp: 219837

Ion Ratio Lower Upper

58 100

43 317.1 234.7 352.1

Instrument :

MSVOA_N

ClientSampleId :

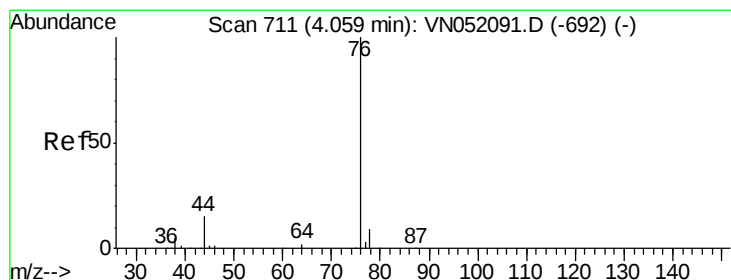
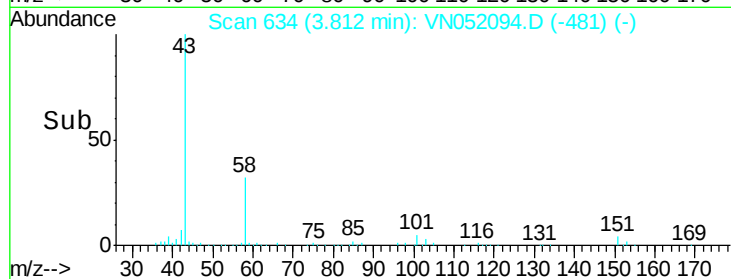
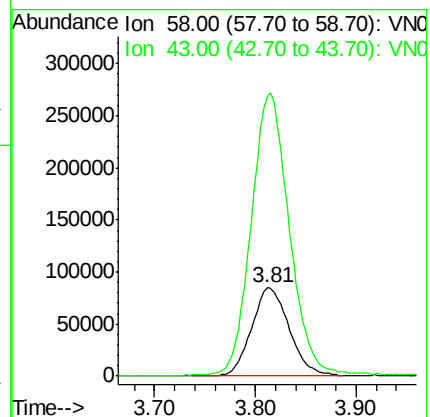
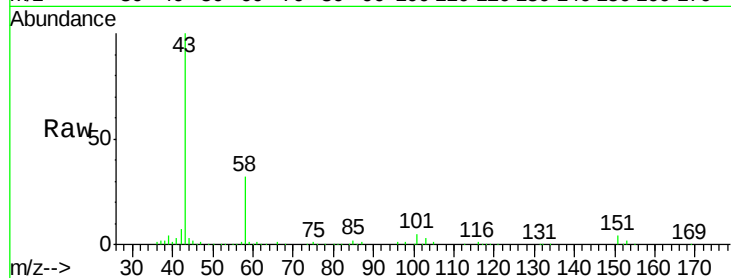
VSTDIC150

Manual Integrations

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#16

Carbon Disulfide

Concen: 156.053 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052094.D

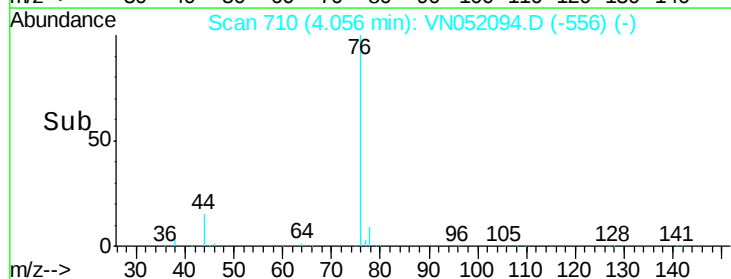
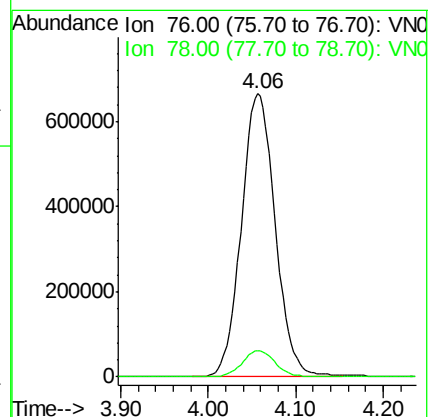
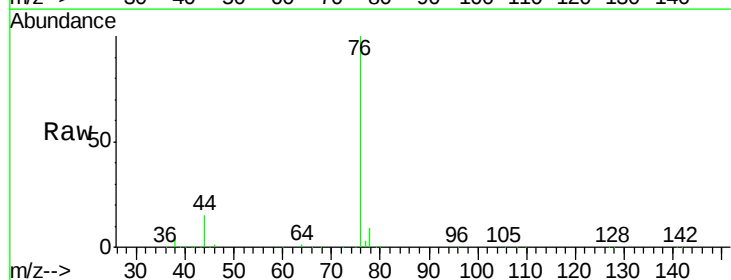
Acq: 1 Nov 2018 10:09

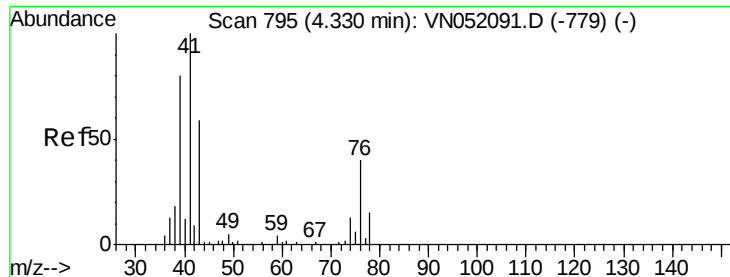
Tgt Ion: 76 Resp: 1784819

Ion Ratio Lower Upper

76 100

78 9.4 7.0 10.6





#17

Allyl chloride

Concen: 146.614 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 41 Resp: 964251
Ion Ratio Lower Upper

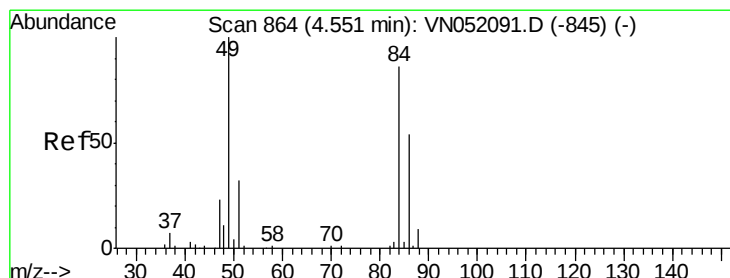
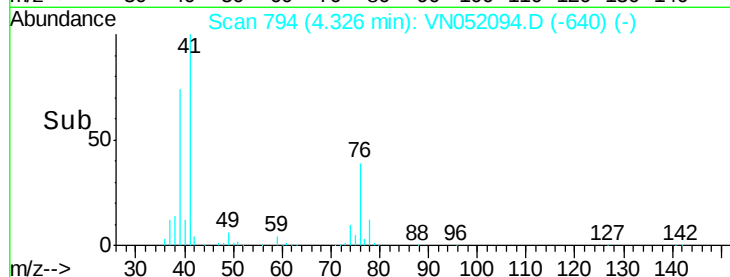
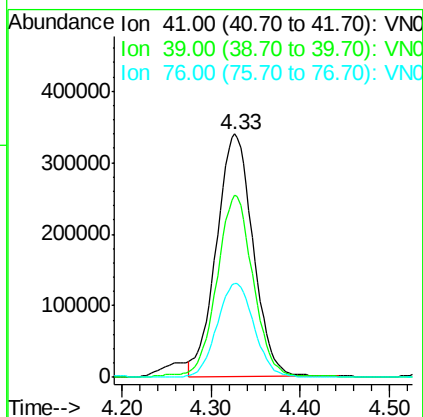
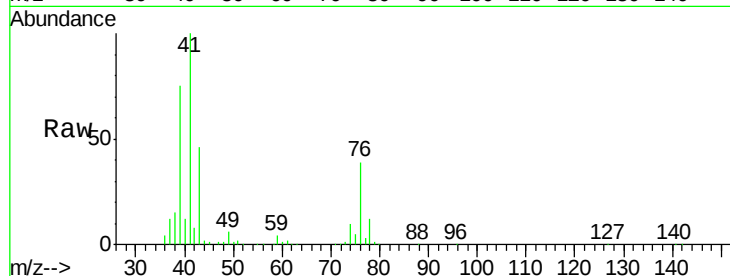
41 100

39 74.8 38.4 115.1

76 38.7 18.8 56.3

Manual Integrations
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#18

Methylene Chloride

Concen: 138.667 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

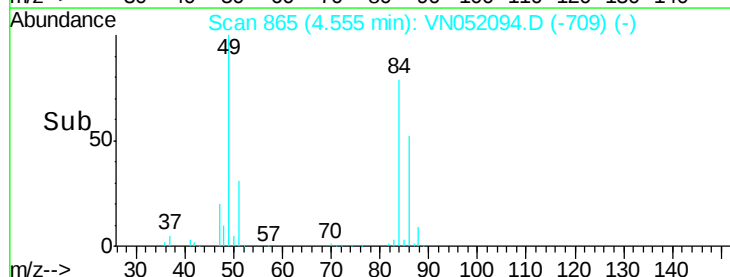
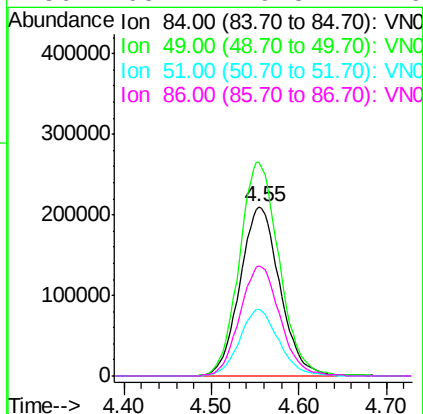
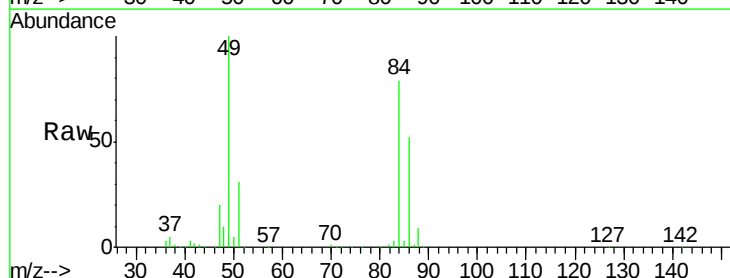
Tgt Ion: 84 Resp: 662990
Ion Ratio Lower Upper

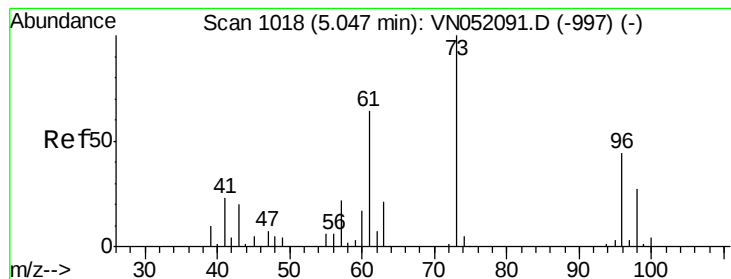
84 100

49 125.9 92.6 138.8

51 39.4 29.7 44.5

86 65.1 49.8 74.6





#19

trans-1,2-Dichloroethene

Concen: 149.749 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 635552

Ion Ratio Lower Upper

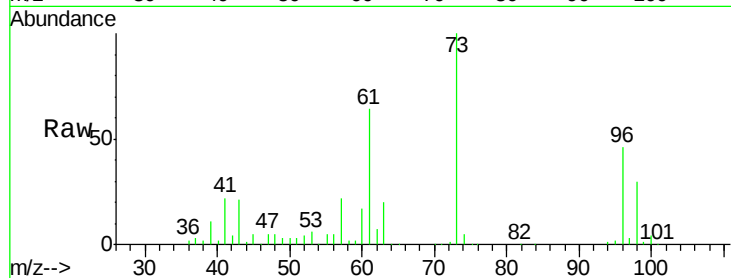
96 100

61 139.5 117.8 176.6

98 65.9 49.3 73.9

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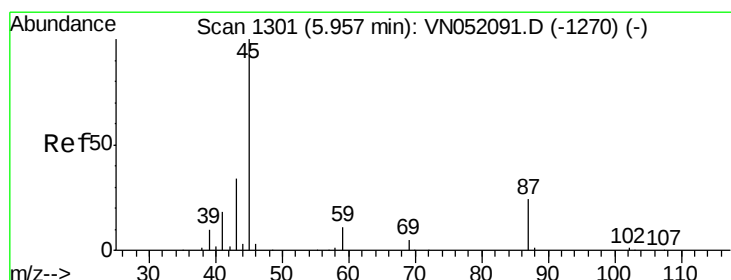
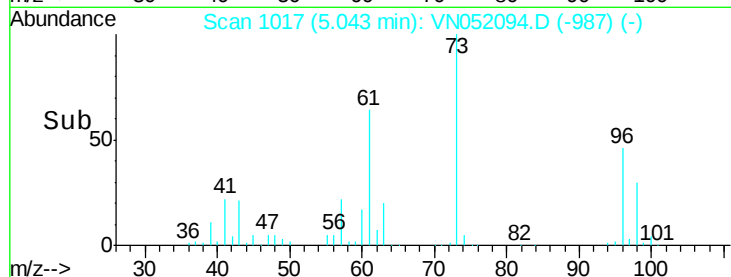
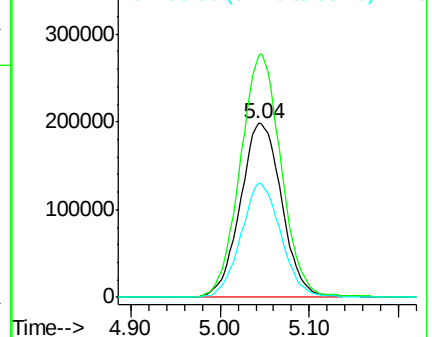
MMDadoda
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Abundance Ion 96.00 (95.70 to 96.70): VN052094.D (-997) (-)

Ion 61.00 (60.70 to 61.70): VN052094.D (-997) (-)

Ion 98.00 (97.70 to 98.70): VN052094.D (-997) (-)



#20

Diisopropyl ether

Concen: 144.921 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Tgt Ion: 45 Resp: 2072294

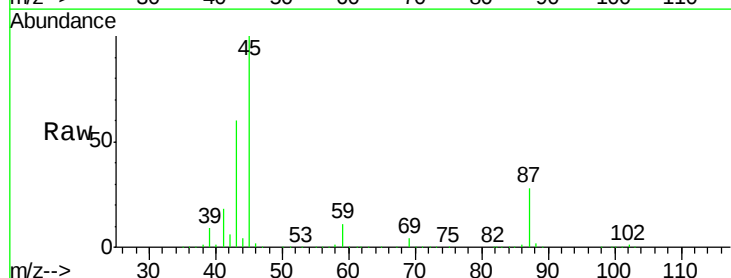
Ion Ratio Lower Upper

45 100

43 59.1 49.4 74.0

87 28.1 20.3 30.5

59 10.5 8.6 12.8

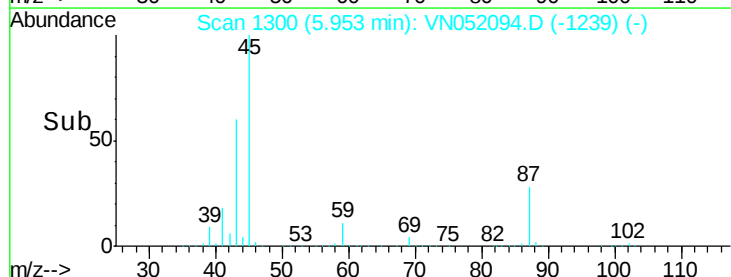
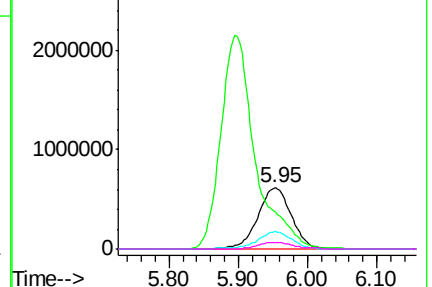


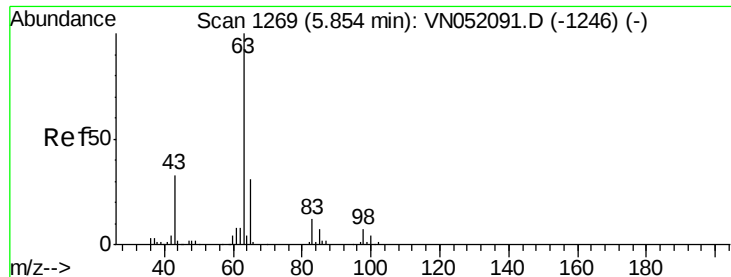
Abundance Ion 45.00 (44.70 to 45.70): VN052094.D (-1270) (-)

Ion 43.00 (42.70 to 43.70): VN052094.D (-1270) (-)

Ion 87.00 (86.70 to 87.70): VN052094.D (-1270) (-)

Ion 59.00 (58.70 to 59.70): VN052094.D (-1270) (-)





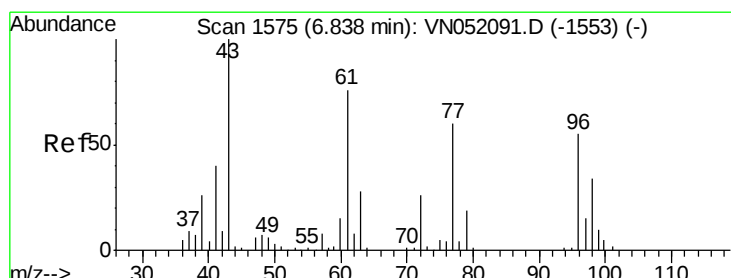
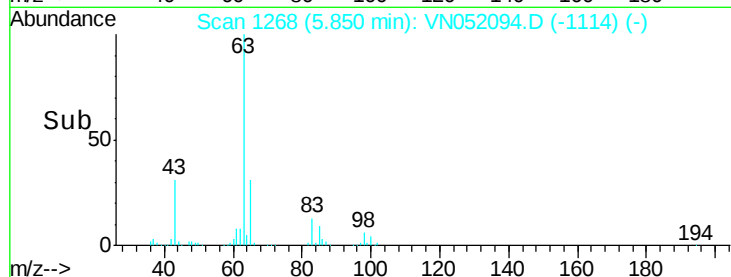
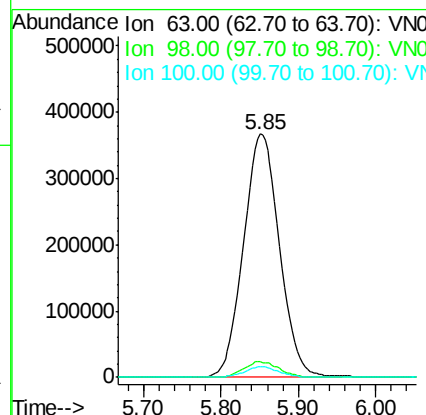
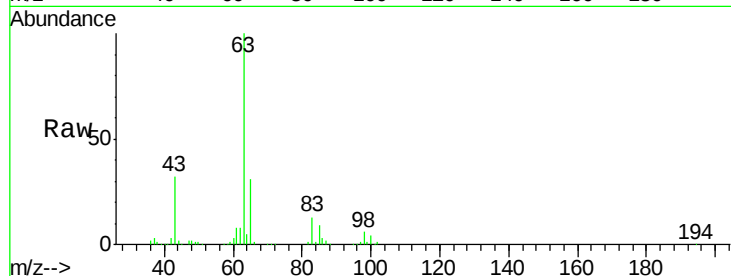
#21
 1,1-Dichloroethane
 Concen: 142.233 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 1187930
 Ion Ratio Lower Upper
 63 100
 98 6.3 3.4 10.1
 100 4.2 2.0 5.8

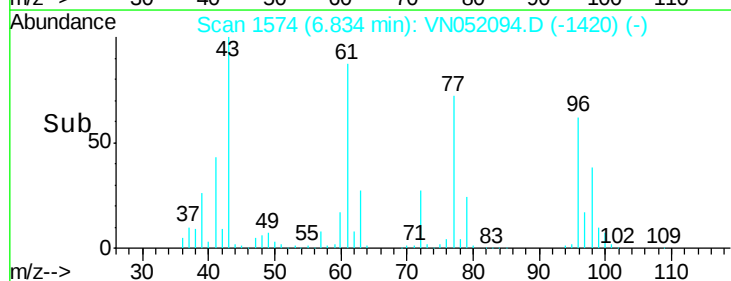
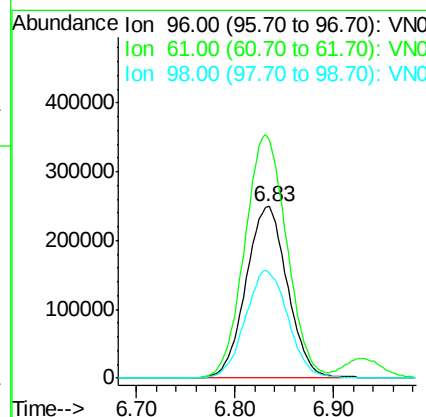
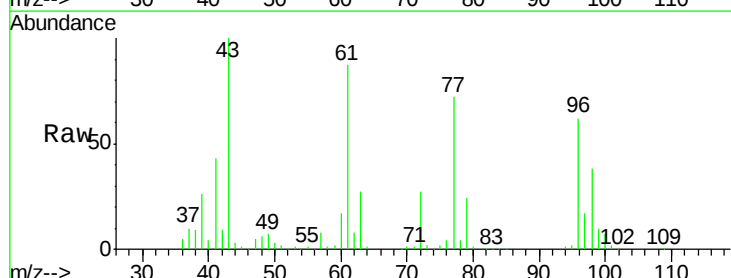
Manual Integrations
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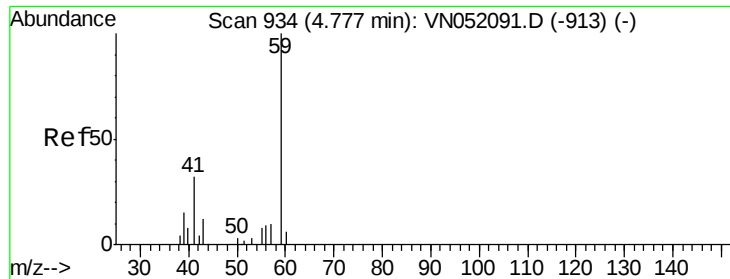
MMDadoda
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#22
 cis-1,2-Dichloroethene
 Concen: 146.605 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 96 Resp: 726575
 Ion Ratio Lower Upper
 96 100
 61 143.7 117.6 176.4
 98 64.1 51.0 76.4





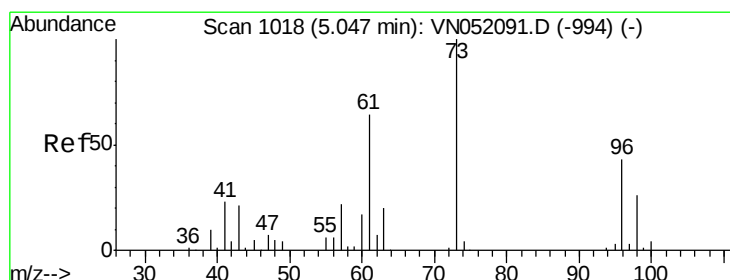
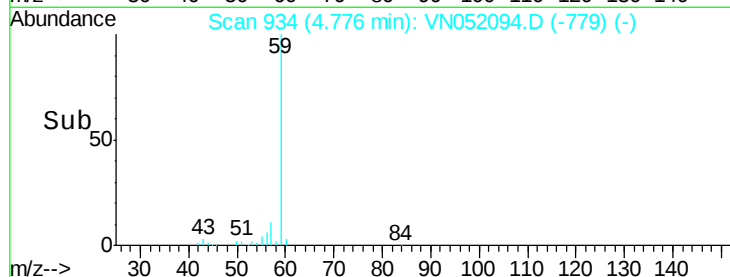
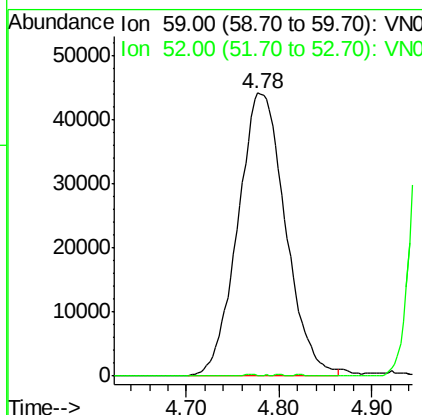
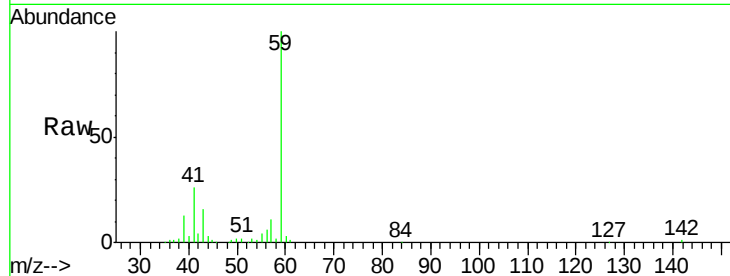
#23
 tert-Butyl Alcohol
 Concen: 691.552 ug/l
 RT: 4.78 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 59 Resp: 157752
 Ion Ratio Lower Upper
 59 100
 52 0.1 0.3 0.5#

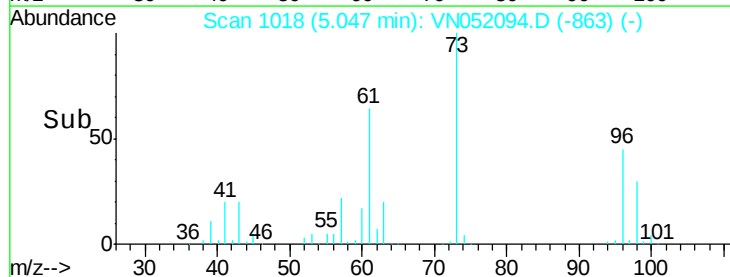
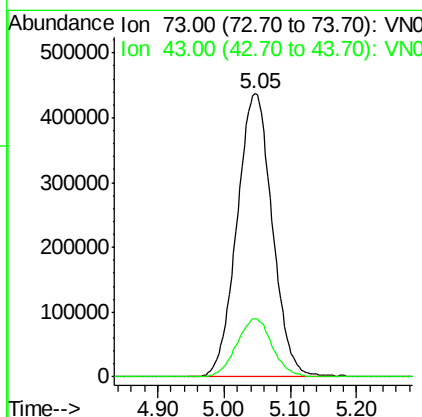
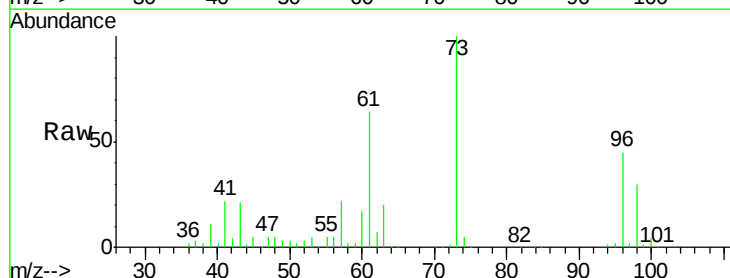
Manual Integrations
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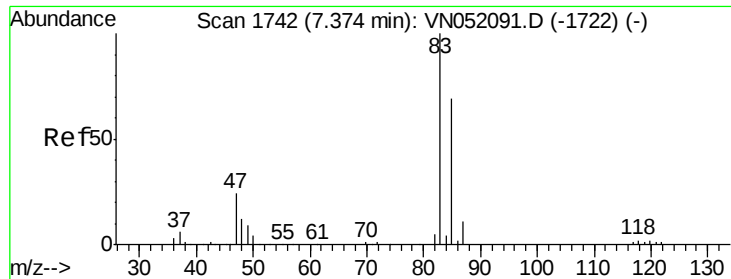
MMDadoda
 11/2/2018 9:21:13 AM



#24
 Methyl tert-Butyl Ether
 Concen: 147.337 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 73 Resp: 1617968
 Ion Ratio Lower Upper
 73 100
 43 20.6 17.4 26.2





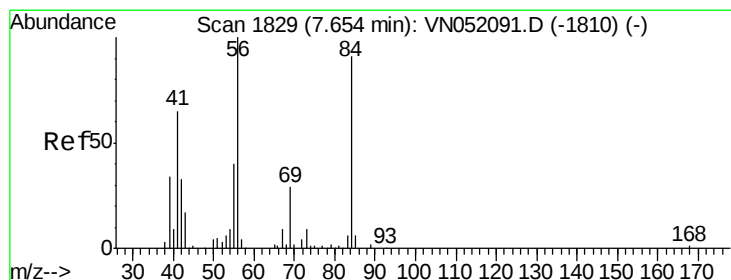
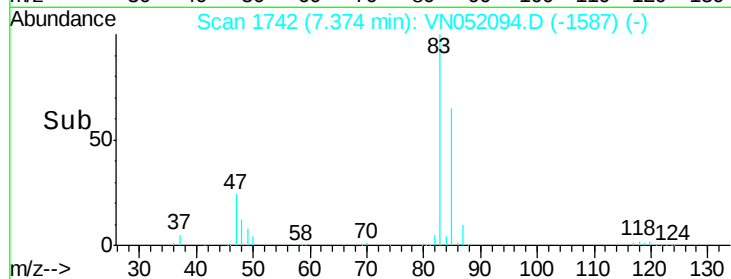
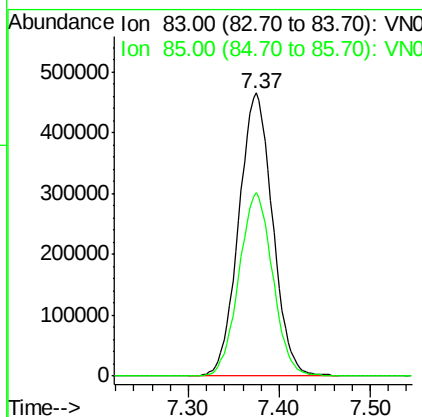
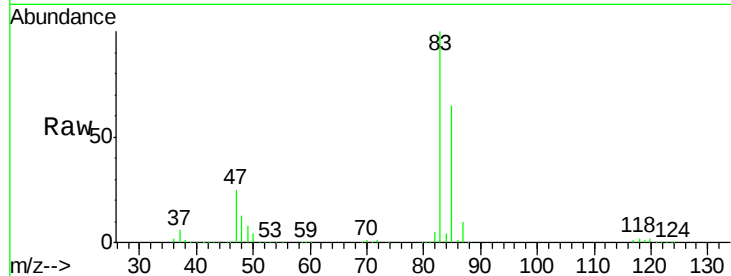
#25
Chloroform
Concen: 143.697 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion: 83 Resp: 1205091
Ion Ratio Lower Upper
83 100
85 64.7 54.9 82.3

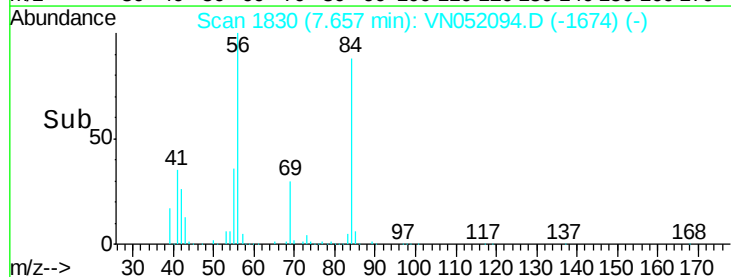
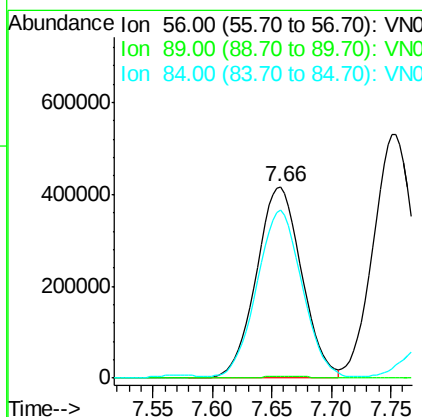
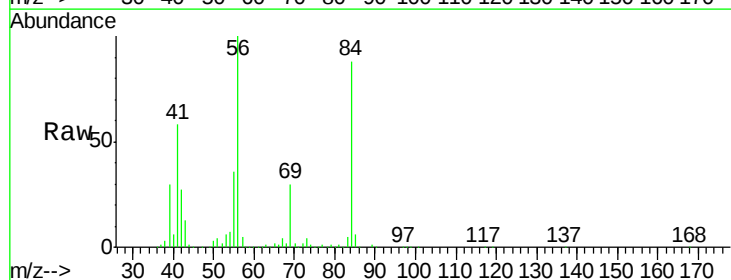
Manual Integrations
APPROVED

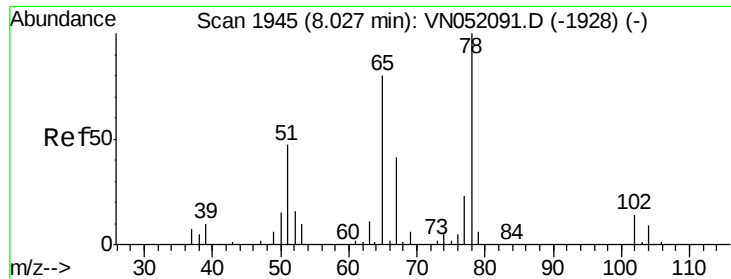
MMDadoda
11/2/2018 9:21:13 AM



#26
Cyclohexane
Concen: 146.884 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 56 Resp: 1099727
Ion Ratio Lower Upper
56 100
89 1.0 2.2 3.2#
84 88.2 71.0 106.6





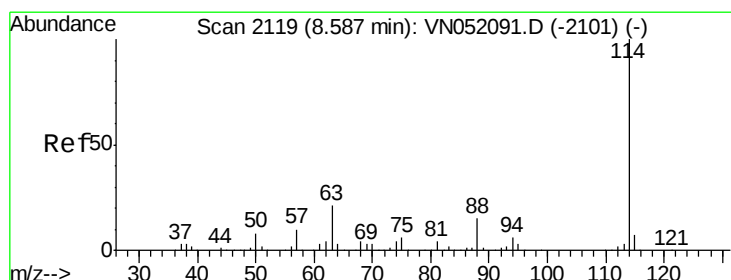
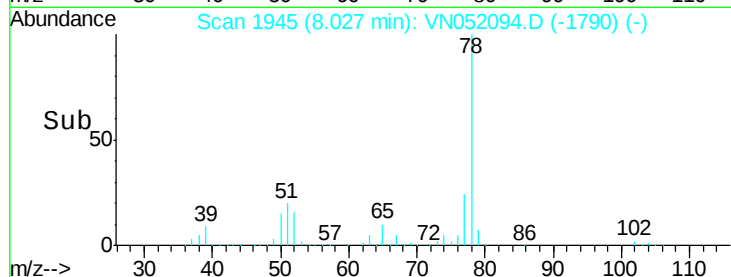
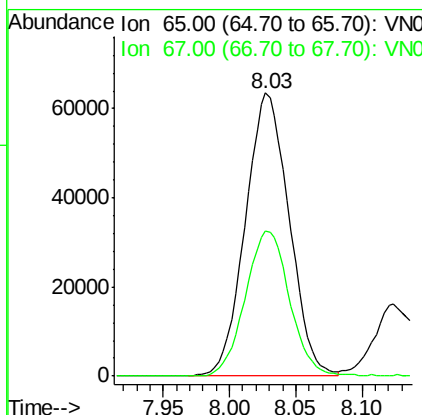
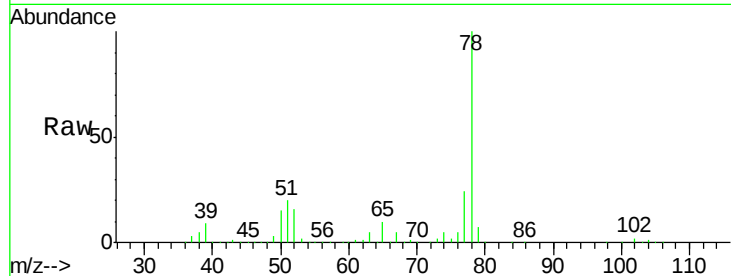
#27
 1,2-Dichloroethane-d4
 Concen: 146.884 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	145872		
67	51.5	42.6	64.0	

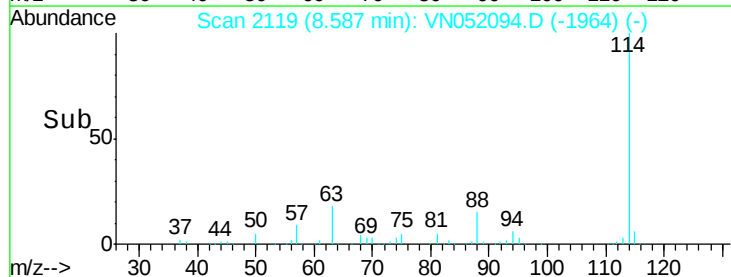
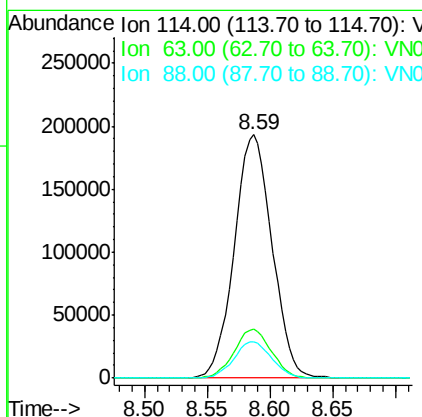
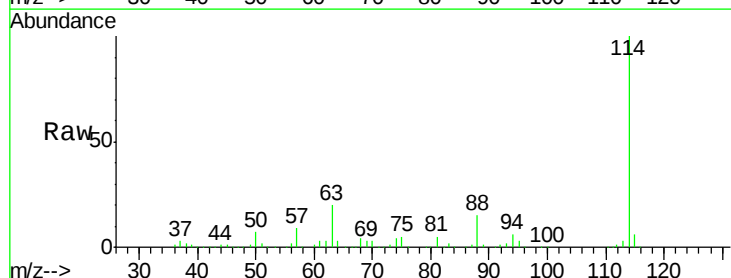
Manual Integrations
 APPROVED

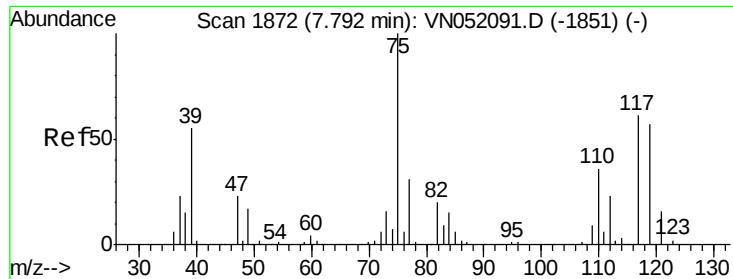
MMDadoda
 11/2/2018 9:21:13 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	404260		
63	19.8	17.5	26.3	
88	14.9	12.6	18.8	





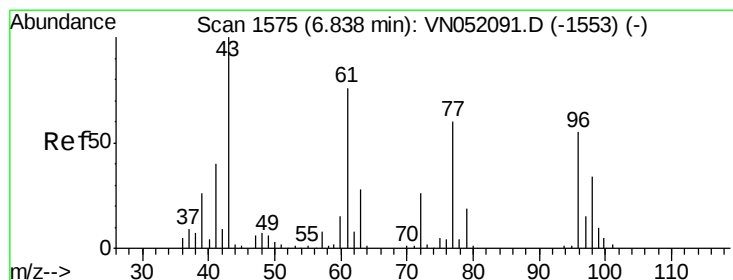
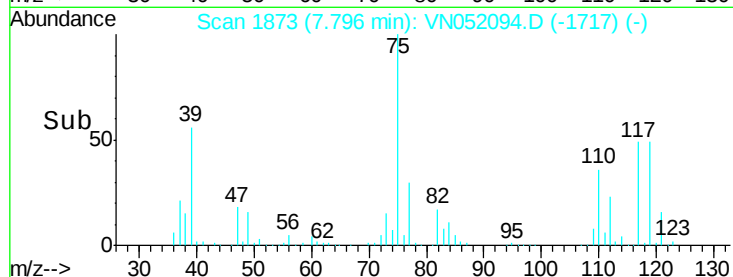
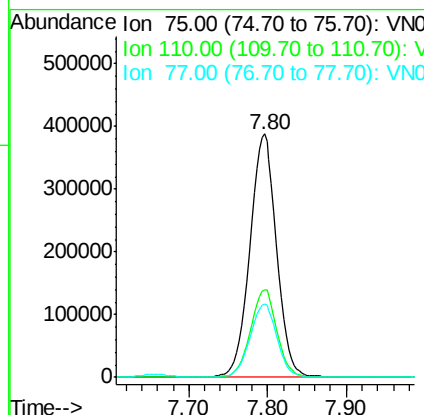
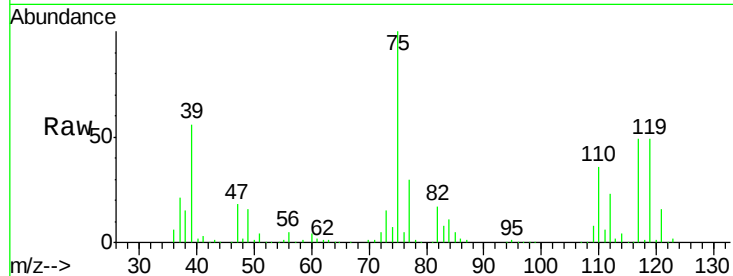
#29
 1,1-Dichloropropene
 Concen: 145.686 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	0.0	67.6
77	30.7	0.0	60.2

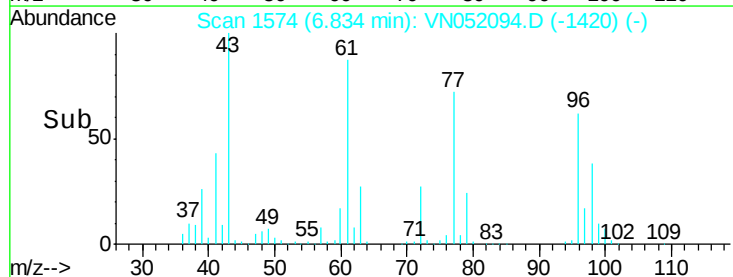
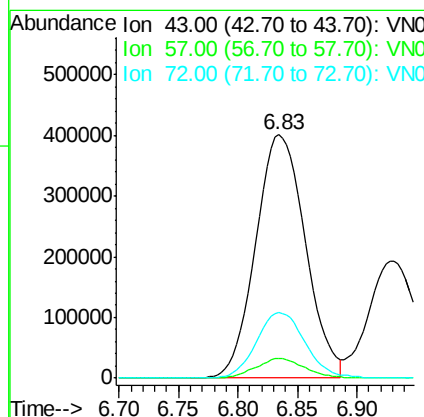
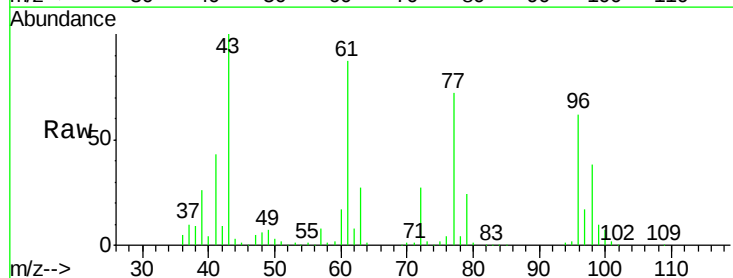
Manual Integrations
 APPROVED

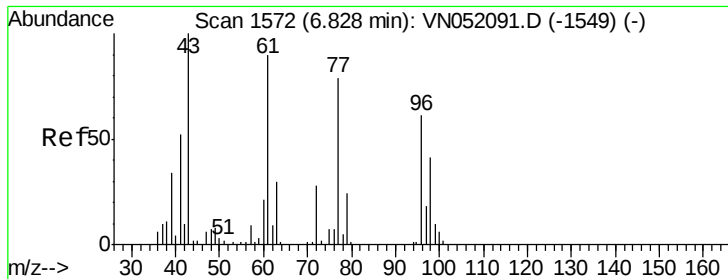
MMDadoda
 11/2/2018 9:21:13 AM



#30
 2-Butanone
 Concen: 678.241 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.6	9.8
72	26.7	9.2	13.8





#31

2,2-Dichloropropane

Concen: 147.307 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 77 Resp: 974407

Ion Ratio Lower Upper

77 100

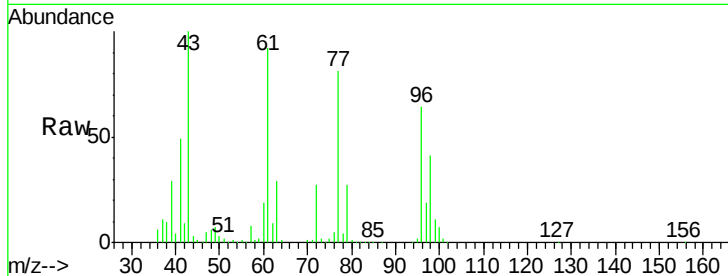
97 23.2 18.2 27.2

Manual Integrations

APPROVED

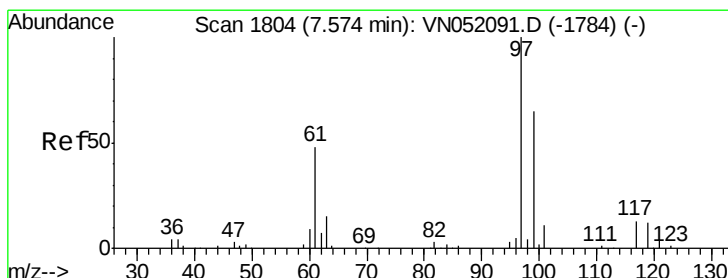
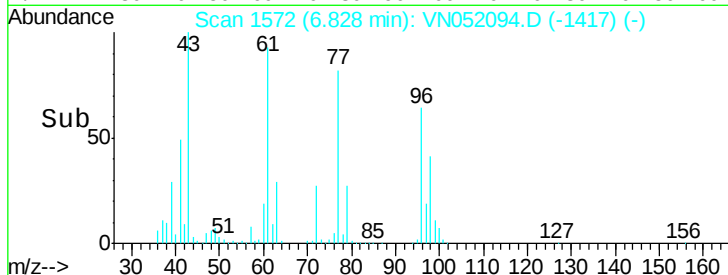
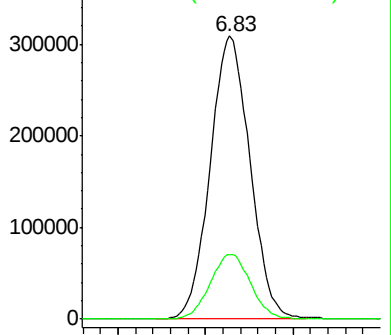
MMDadoda

11/2/2018 9:21:13 AM



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 151.055 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

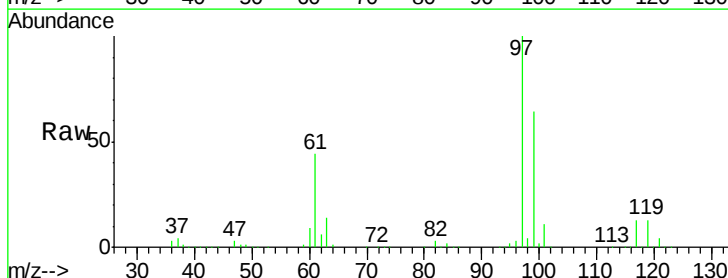
Tgt Ion: 97 Resp: 1084752

Ion Ratio Lower Upper

97 100

99 63.7 51.7 77.5

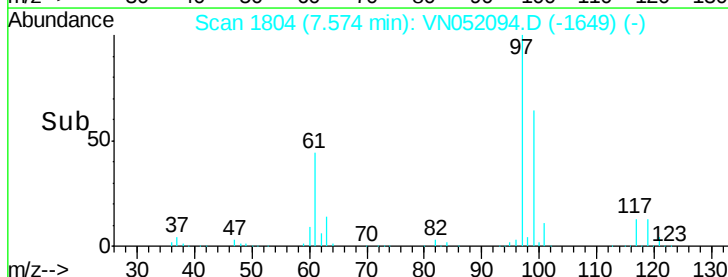
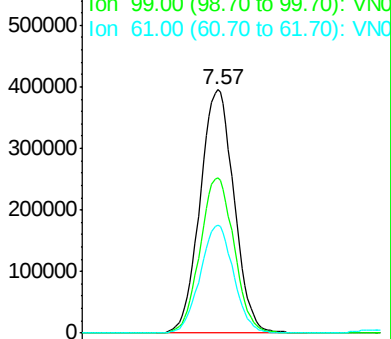
61 43.5 38.7 58.1



Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





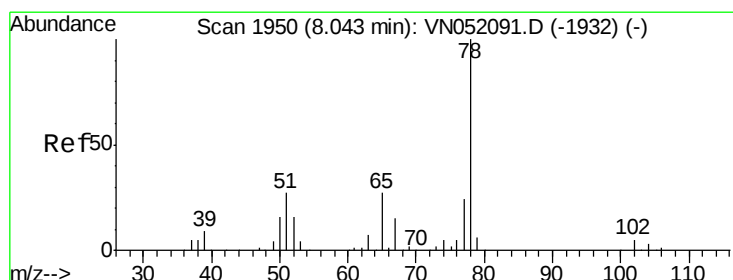
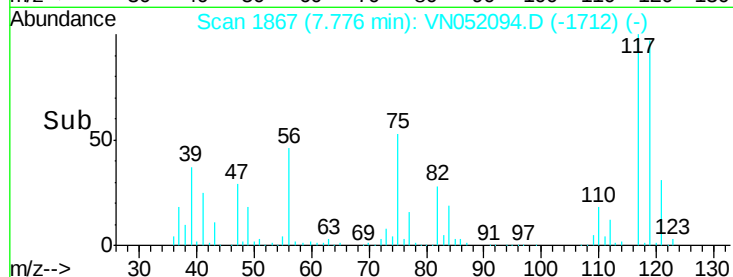
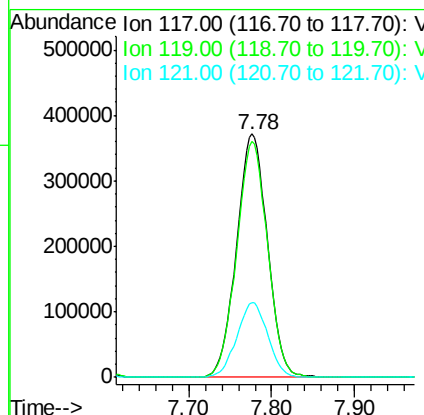
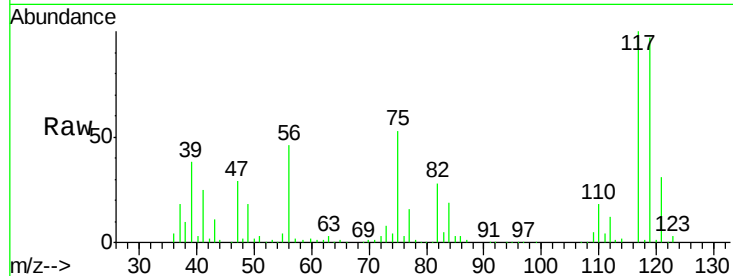
#33
Carbon Tetrachloride
Concen: 150.422 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampled :
VSTDIC150

Tgt Ion: 117 Resp: 960674
Ion Ratio Lower Upper
117 100
119 97.2 74.7 112.1
121 30.8 23.4 35.0

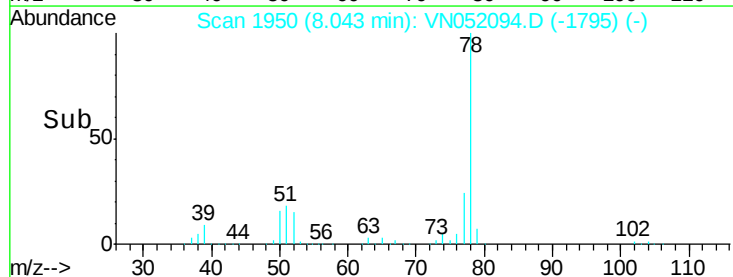
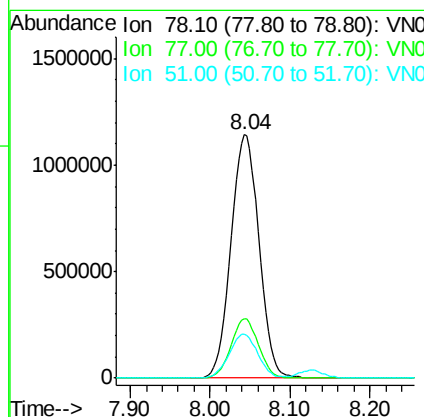
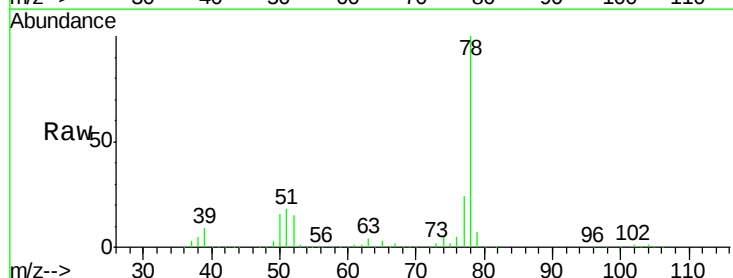
Manual Integrations
APPROVED

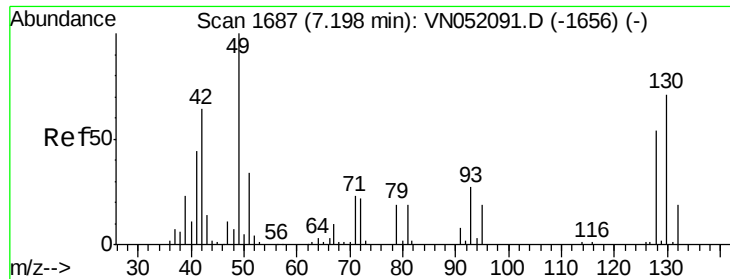
MMDadoda
11/2/2018 9:21:13 AM



#34
Benzene
Concen: 144.362 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 78 Resp: 2712976
Ion Ratio Lower Upper
78 100
77 24.4 19.1 28.7
51 18.2 21.2 31.8#





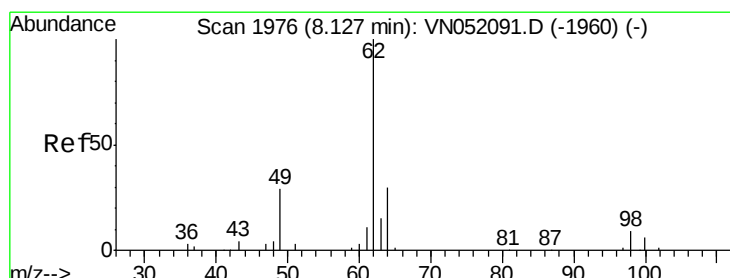
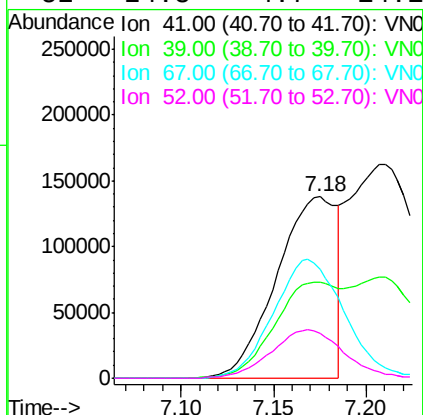
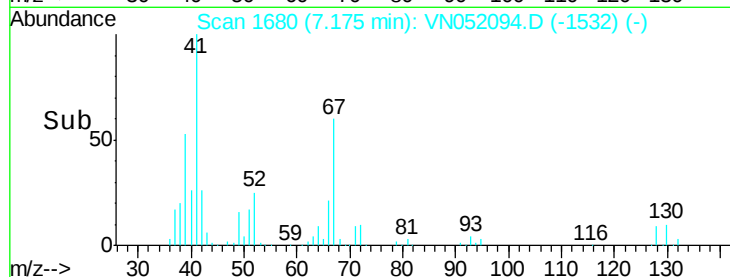
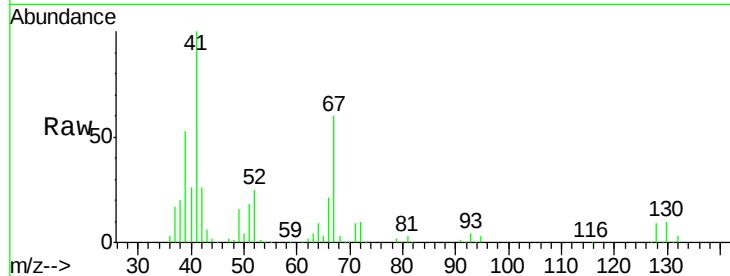
#35
Methacrylonitrile
Concen: 89.665 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.02 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	52.9	26.1	78.3
67	59.9	11.0	33.0#
52	24.8	4.7	14.1#

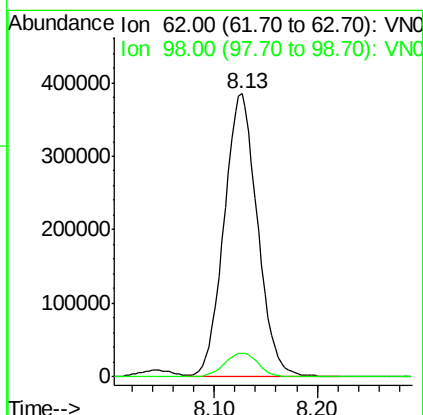
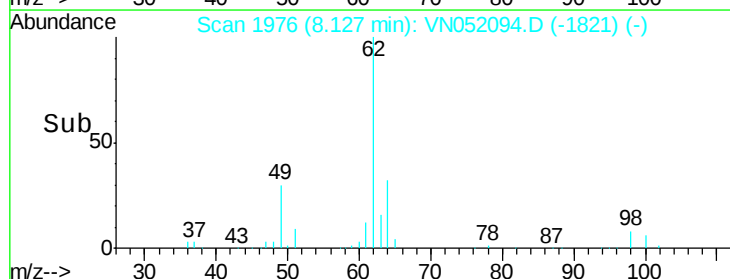
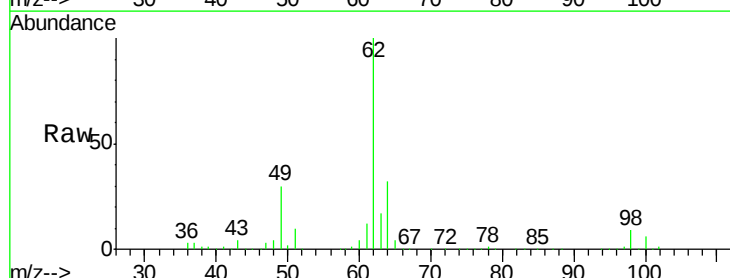
Manual Integrations
APPROVED

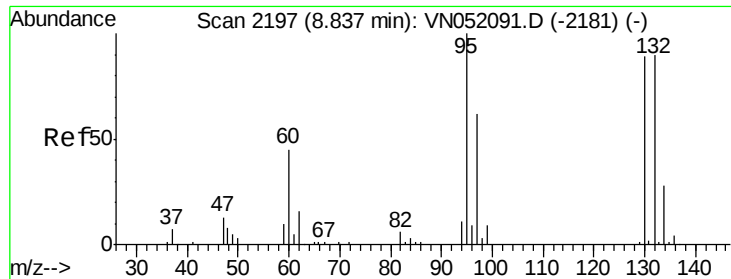
MMDadoda
11/2/2018 9:21:13 AM



#36
1,2-Dichloroethane
Concen: 138.485 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.6	6.7	10.1





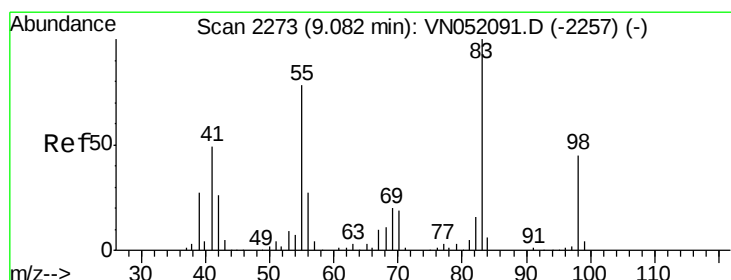
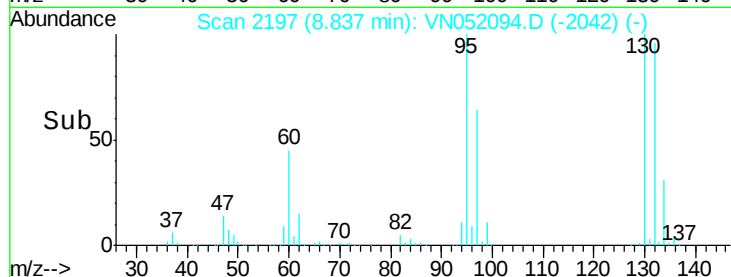
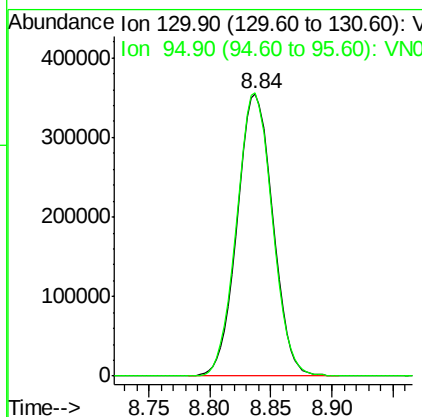
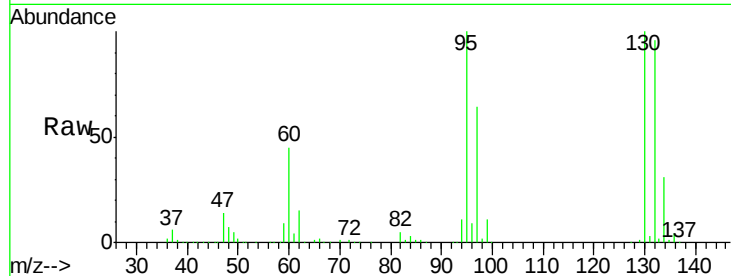
#37
 Trichloroethene
 Concen: 152.790 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:130 Resp: 718660
 Ion Ratio Lower Upper
 130 100
 95 100.2 89.9 134.9

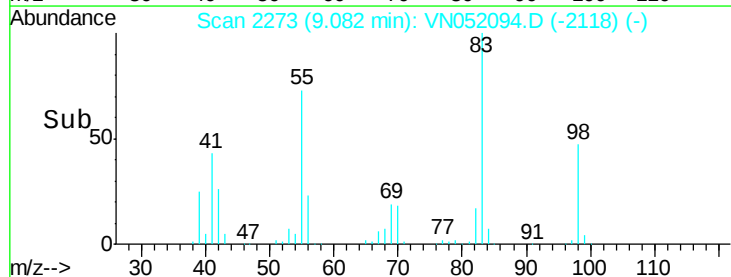
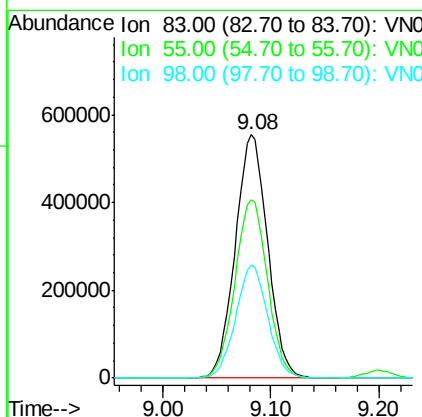
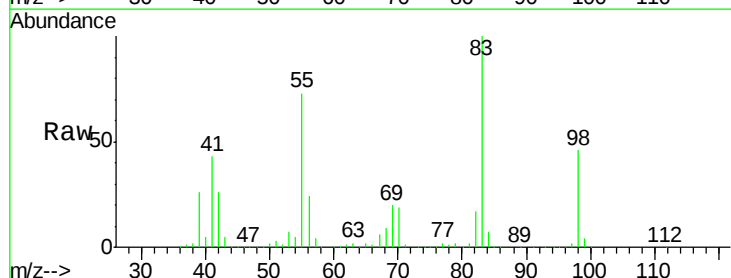
Manual Integrations
 APPROVED

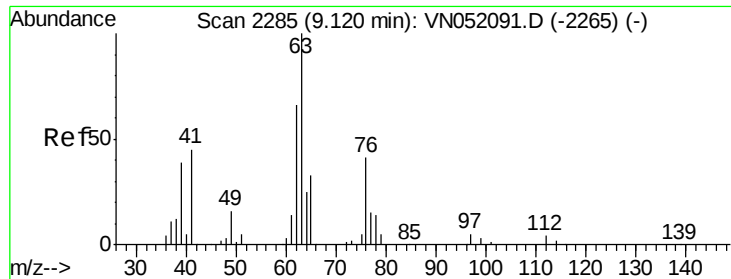
MMDadoda
 11/2/2018 9:21:13 AM



#38
 Methylcyclohexane
 Concen: 148.142 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 83 Resp: 1159867
 Ion Ratio Lower Upper
 83 100
 55 73.6 38.5 115.3
 98 46.0 23.2 69.6





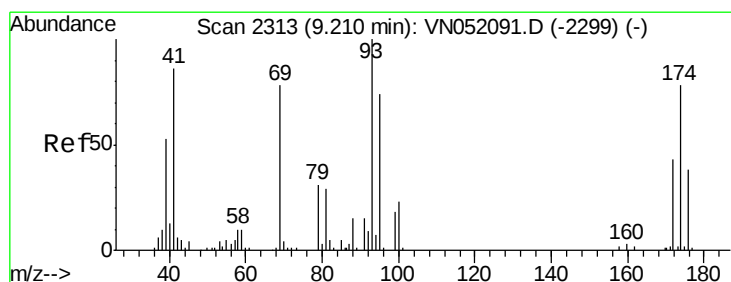
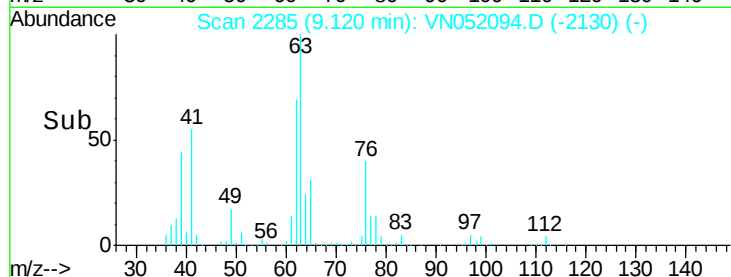
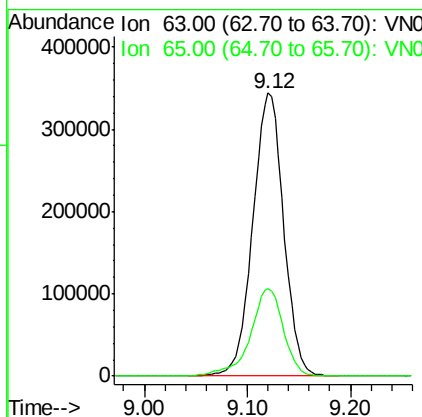
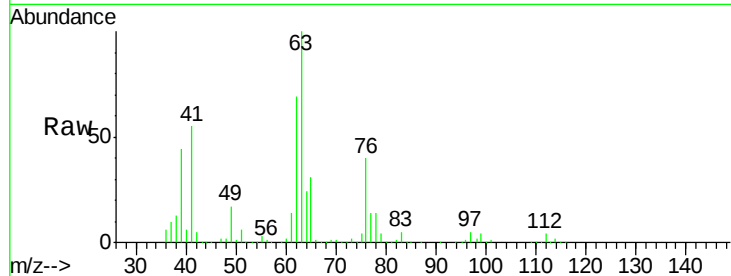
#39
 1,2-Dichloropropane
 Concen: 142.199 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 711356
 Ion Ratio Lower Upper
 63 100
 65 31.0 27.3 40.9

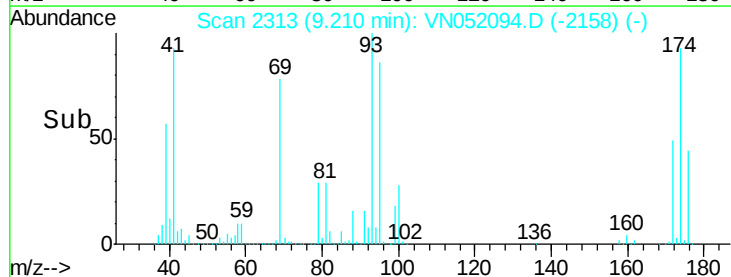
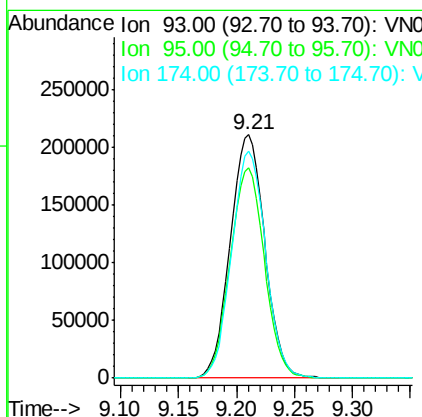
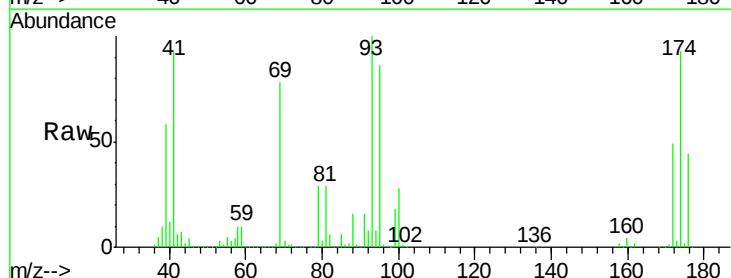
Manual Integrations
 APPROVED

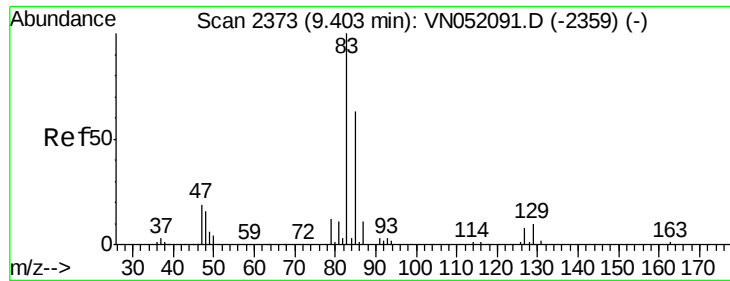
MMDadoda
 11/2/2018 9:21:13 AM



#40
 Dibromomethane
 Concen: 141.440 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 93 Resp: 436133
 Ion Ratio Lower Upper
 93 100
 95 85.7 0.0 161.2
 174 91.8 0.0 165.0





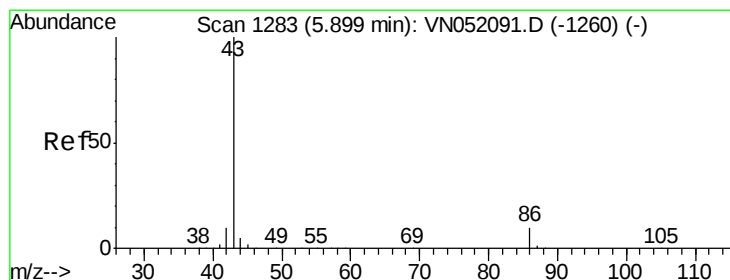
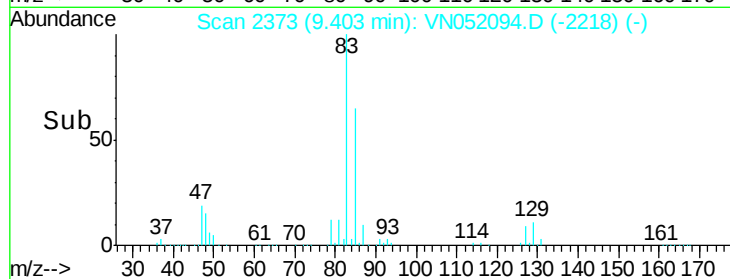
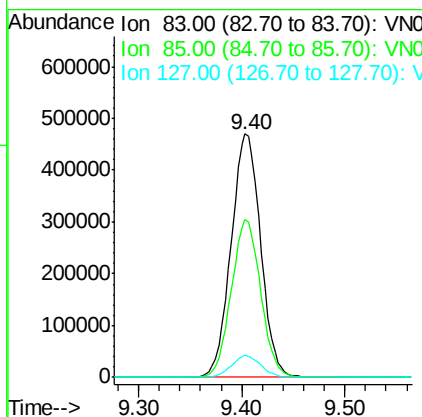
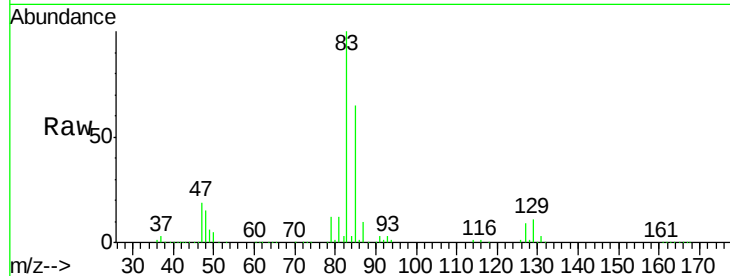
#41
 Bromodichloromethane
 Concen: 148.313 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.2	75.2
127	8.9	6.6	10.0

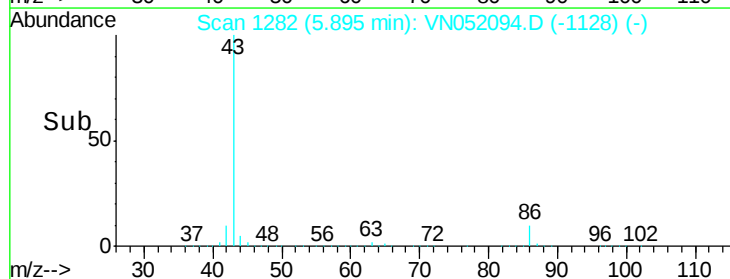
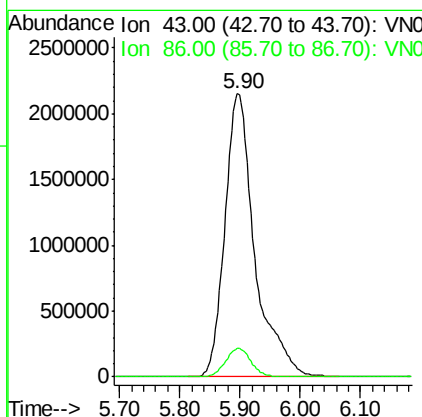
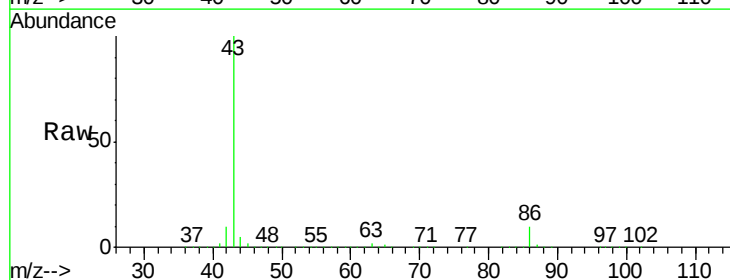
Manual Integrations
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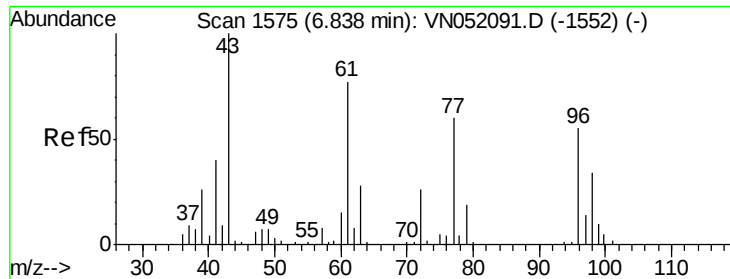
MMDadoda
 11/2/2018 9:21:13 AM



#42
 Vinyl Acetate
 Concen: 742.574 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
43	100		
86	8.7	6.6	10.0





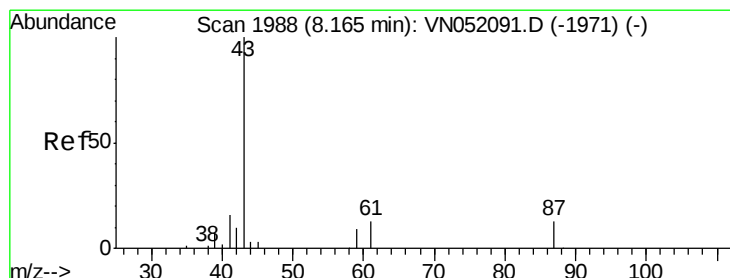
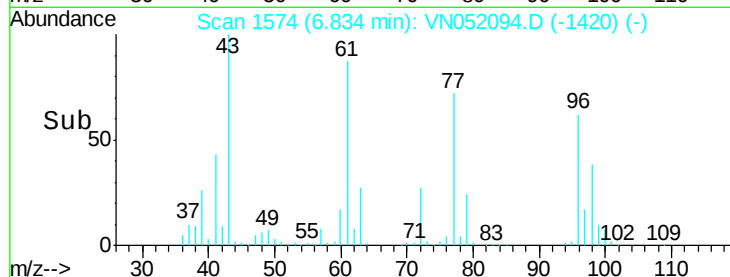
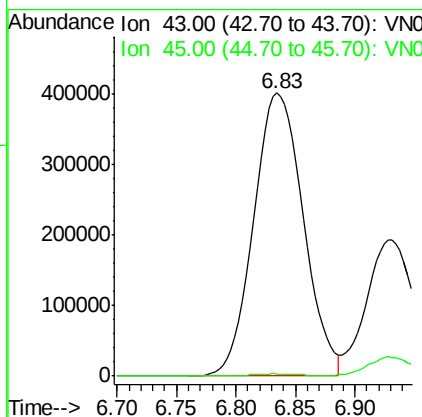
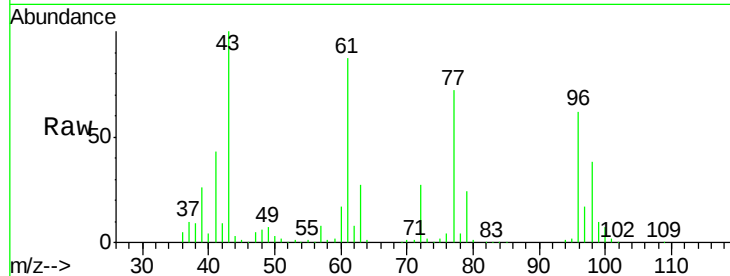
#43
Ethyl Acetate
Concen: 97.439 ug/l
RT: 6.83 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 1159265
Ion Ratio Lower Upper
43 100
45 0.8 3.8 5.8#

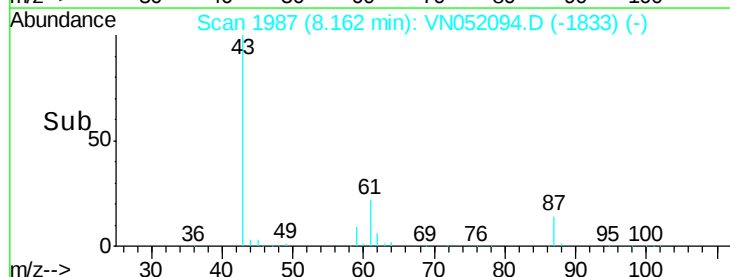
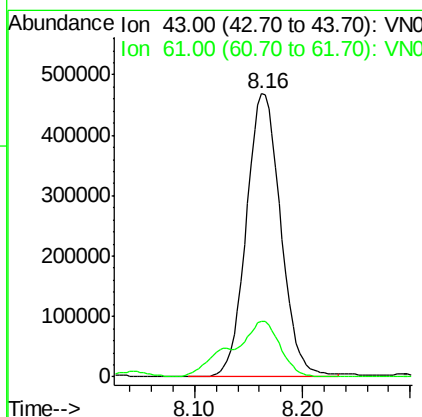
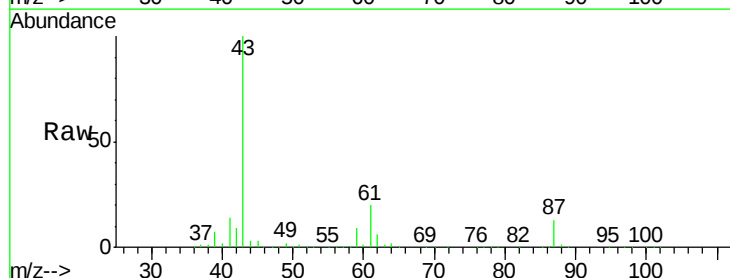
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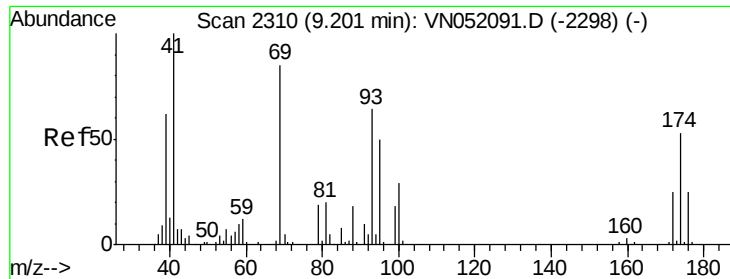
MMDadoda
11/2/2018 9:21:13 AM



#44
Isopropyl Acetate
Concen: 145.791 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 43 Resp: 1036848
Ion Ratio Lower Upper
43 100
61 19.1 16.2 24.2





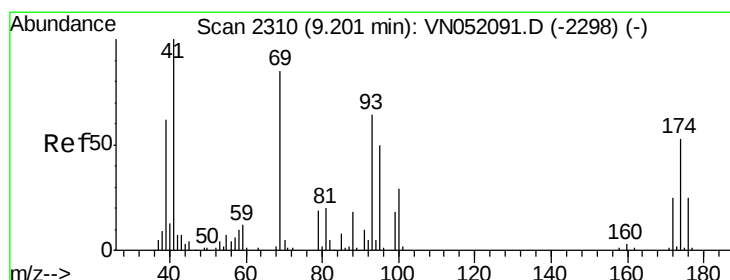
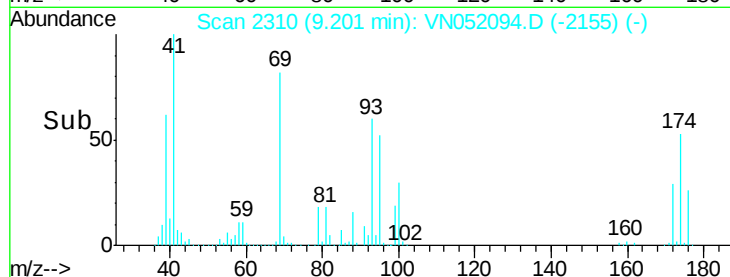
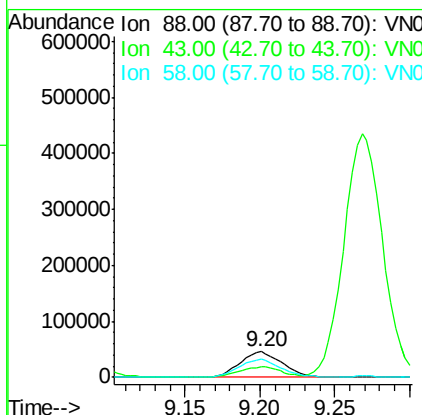
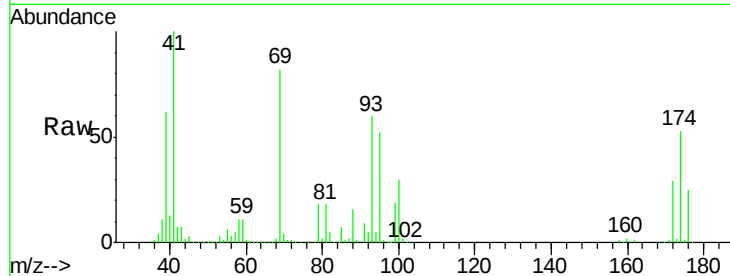
#45
1,4-Dioxane
Concen: 2828.513 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 88 Resp: 91767
Ion Ratio Lower Upper
88 100
43 37.5 28.6 43.0
58 69.7 37.8 56.8#

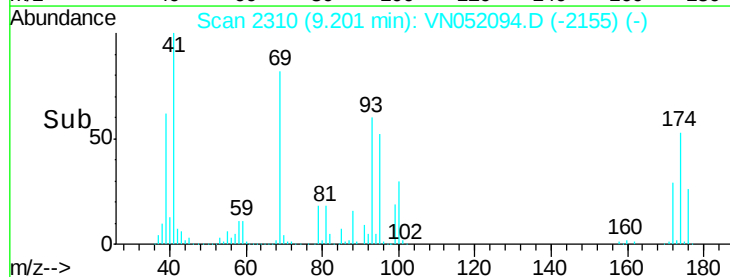
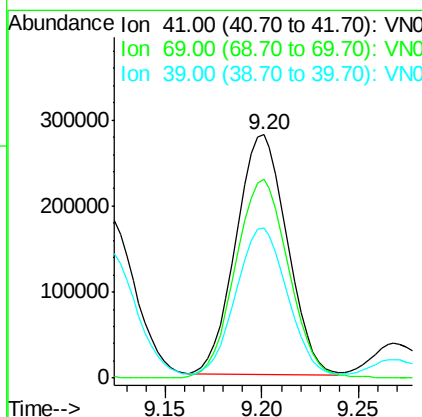
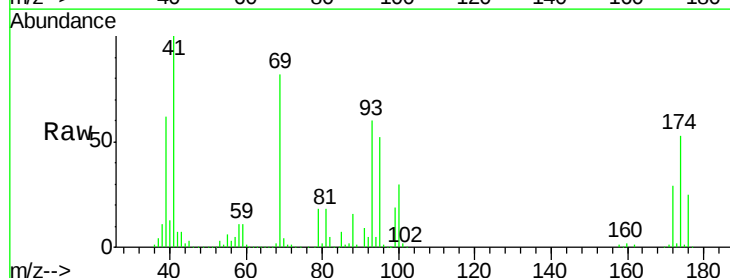
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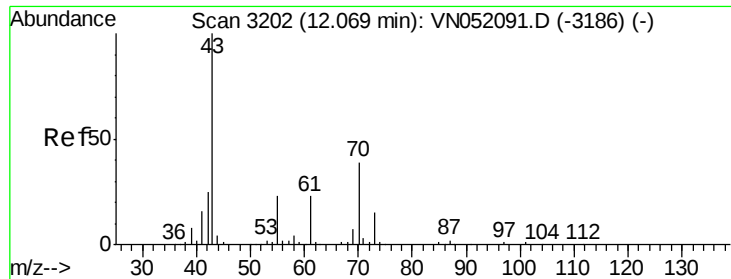
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11/2/2018 9:21:13 AM



#46
Methyl methacrylate
Concen: 144.748 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 41 Resp: 512425
Ion Ratio Lower Upper
41 100
69 82.8 42.5 127.6
39 61.2 31.1 93.3





#47

n-amyl Acetate

Concen: 149.992 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 967698

Ion Ratio Lower Upper

43 100

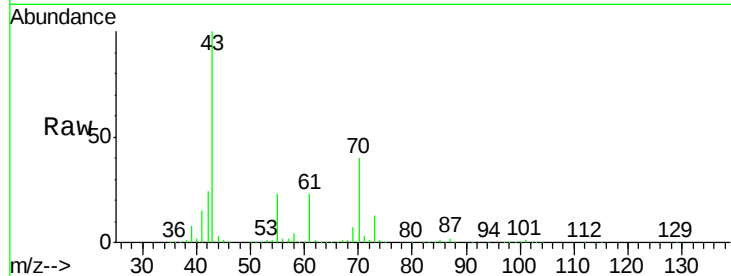
55 22.3 0.0 0.0#

Manual Integrations

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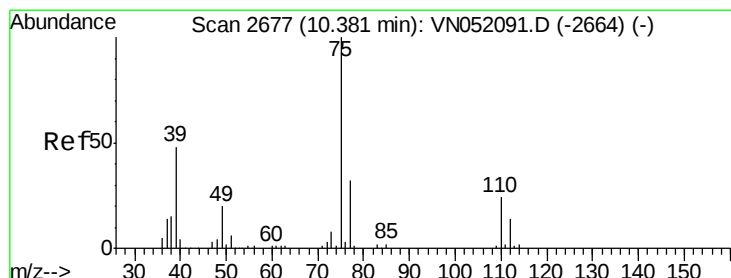
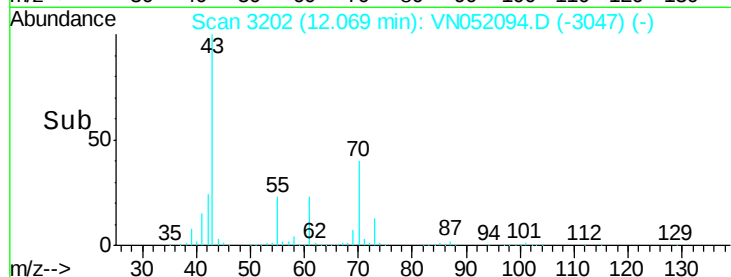
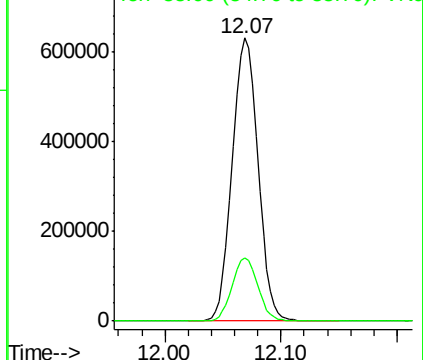
MMDadoda

11/2/2018 9:21:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#48

t-1,3-Dichloropropene

Concen: 156.498 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052094.D

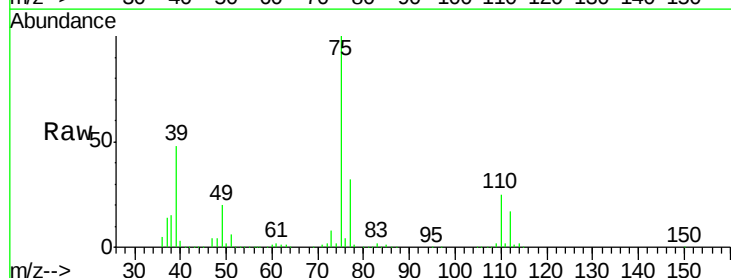
Acq: 1 Nov 2018 10:09

Tgt Ion: 75 Resp: 980427

Ion Ratio Lower Upper

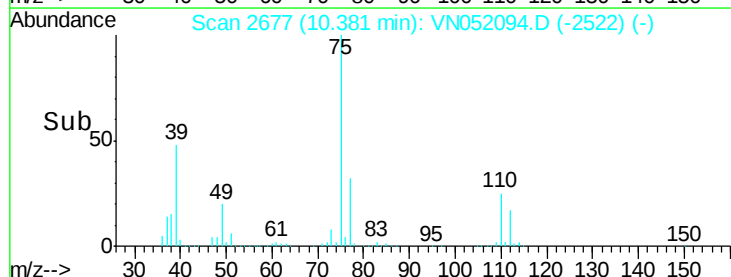
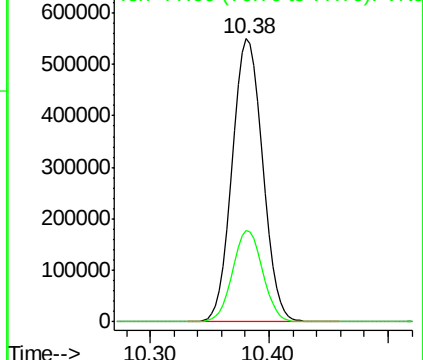
75 100

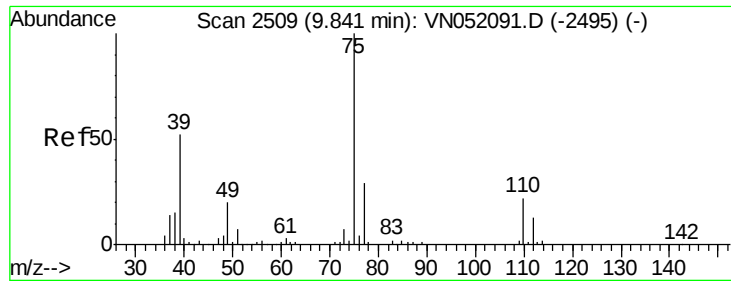
77 32.3 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





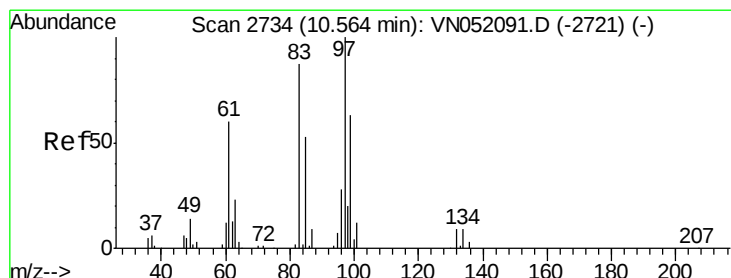
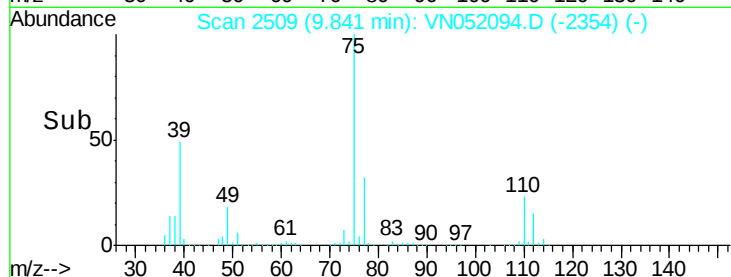
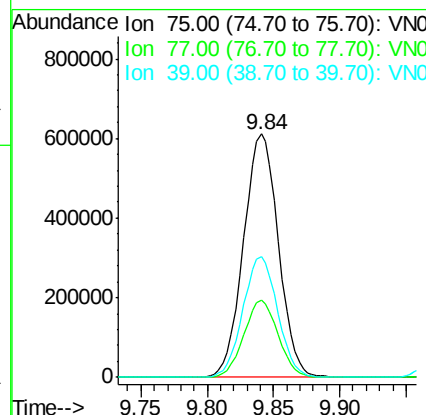
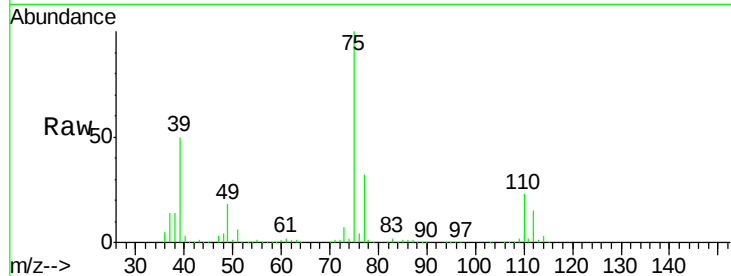
#49
 cis-1,3-Dichloropropene
 Concen: 154.525 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 75 Resp: 1117355
 Ion Ratio Lower Upper
 75 100
 77 31.6 23.3 34.9
 39 49.5 41.6 62.4

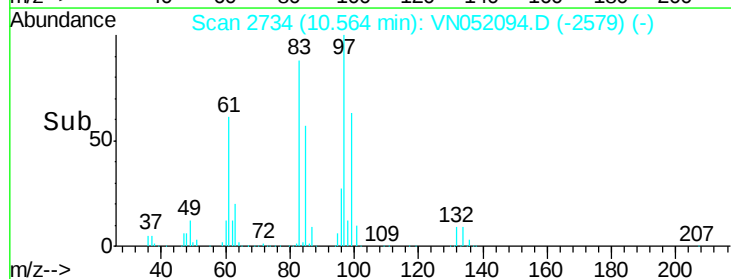
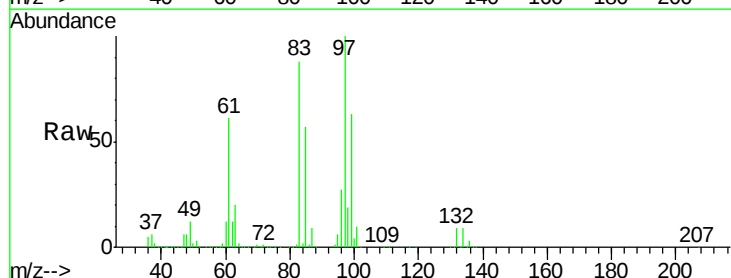
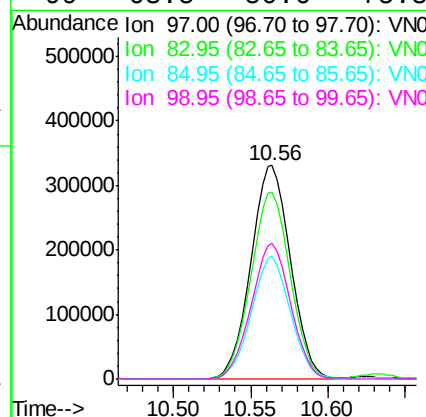
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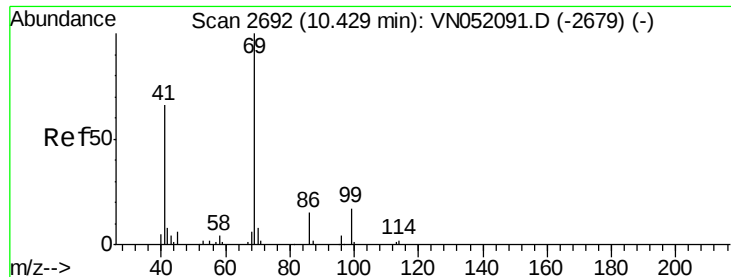
MMDadoda
 11/2/2018 9:21:13 AM



#50
 1,1,2-Trichloroethane
 Concen: 145.079 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 97 Resp: 591551
 Ion Ratio Lower Upper
 97 100
 83 87.7 69.4 104.0
 85 57.4 42.7 64.1
 99 63.5 50.6 75.8





#51

Ethyl methacrylate

Concen: 150.324 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

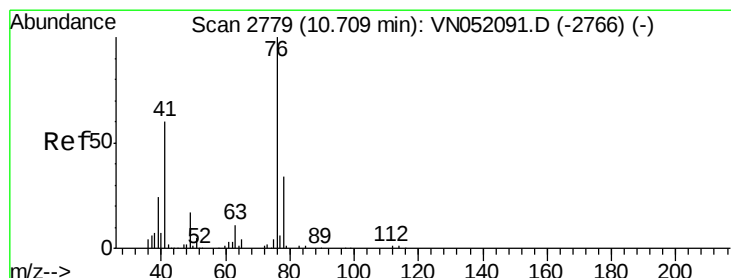
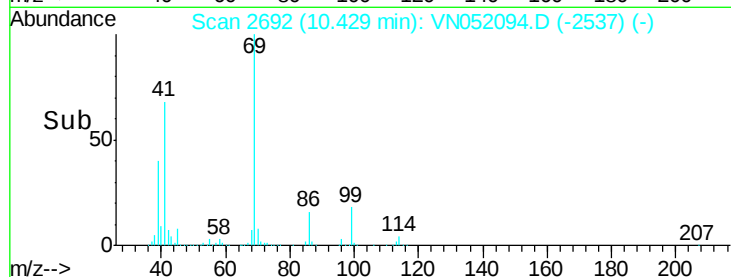
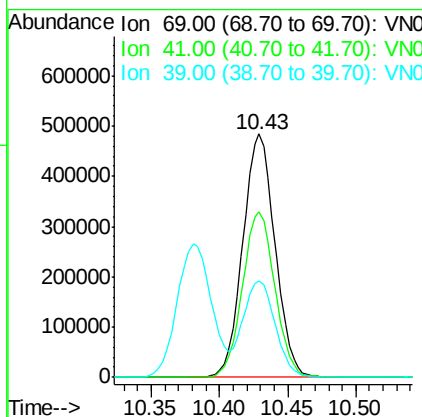
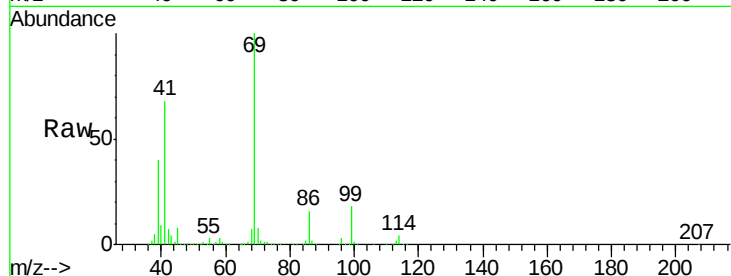
ClientSampleId :

VSTDIC150

Tgt Ion:	69	Resp:	792163
Ion	Ratio	Lower	Upper
69	100		
41	67.8	33.0	99.0
39	39.7	20.7	62.1

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#52

1,3-Dichloropropane

Concen: 143.774 ug/l

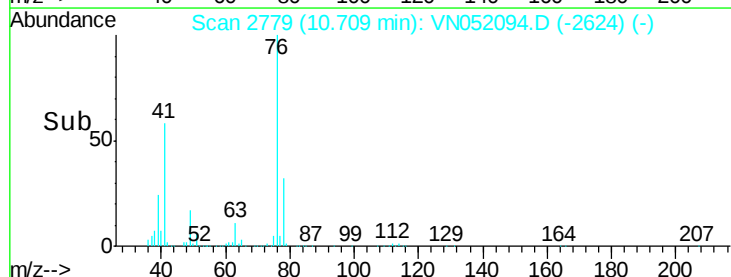
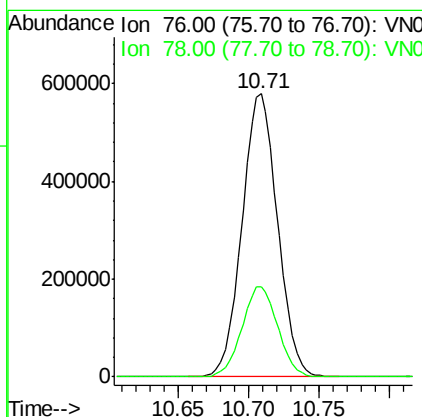
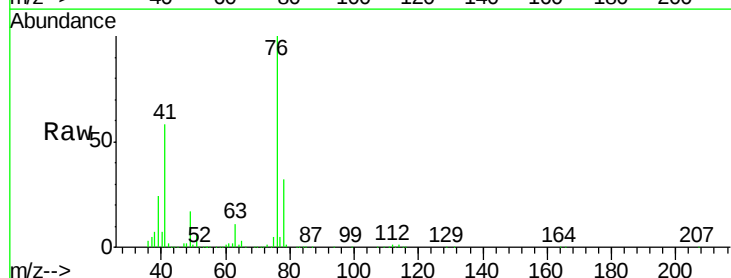
RT: 10.71 min Scan# 2779

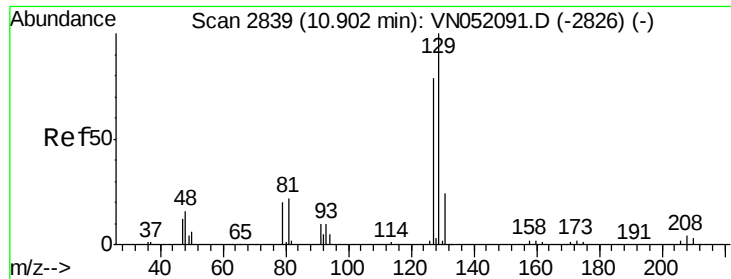
Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Tgt Ion:	76	Resp:	1021140
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.0





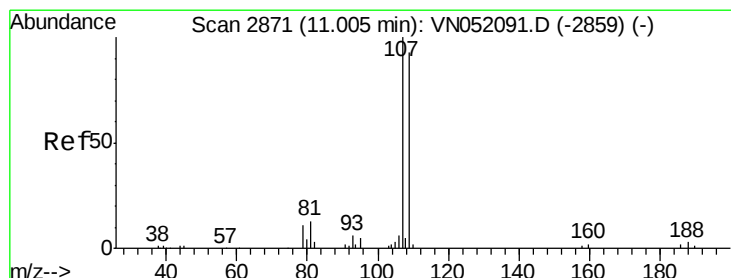
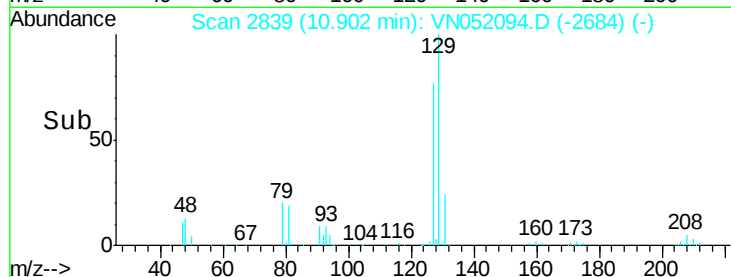
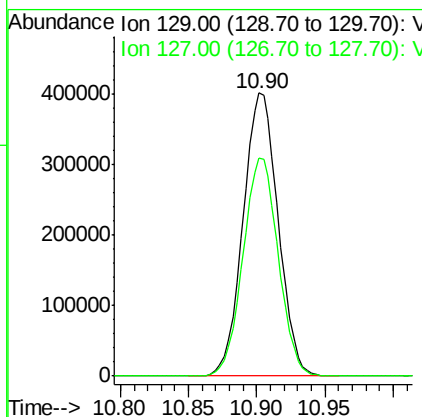
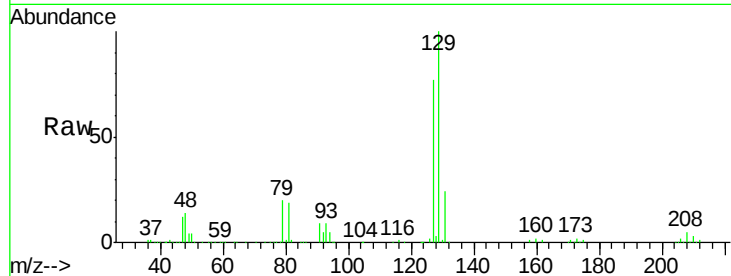
#53
 Dibromochloromethane
 Concen: 162.591 ug/l
 RT: 10.90 min Scan# 2839
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:129 Resp: 715717
 Ion Ratio Lower Upper
 129 100
 127 77.4 39.2 117.6

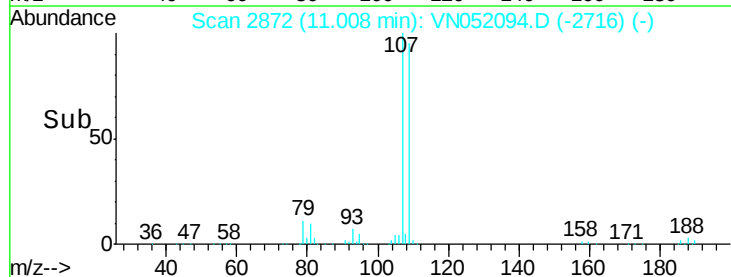
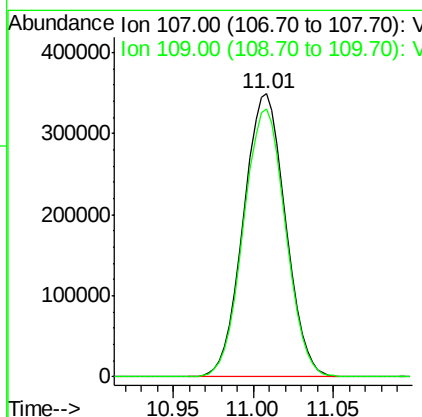
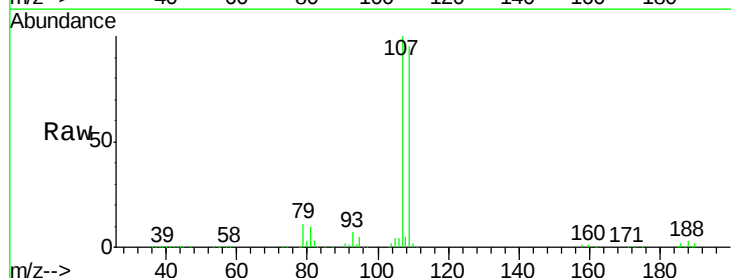
Manual Integrations
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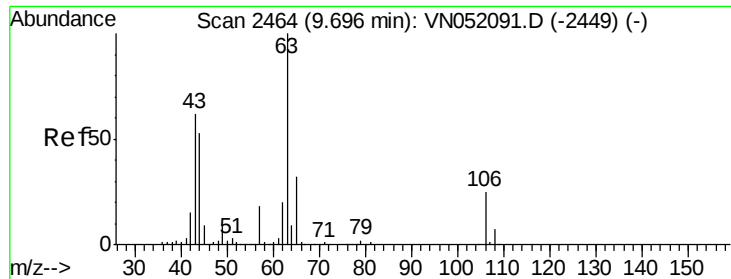
MMDadoda
 11/2/2018 9:21:13 AM



#54
 1,2-Dibromoethane
 Concen: 151.768 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion:107 Resp: 627523
 Ion Ratio Lower Upper
 107 100
 109 94.9 77.0 115.6





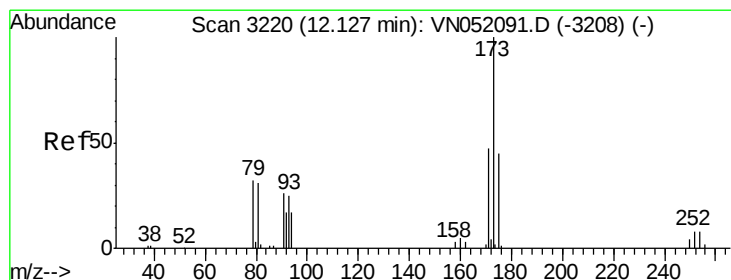
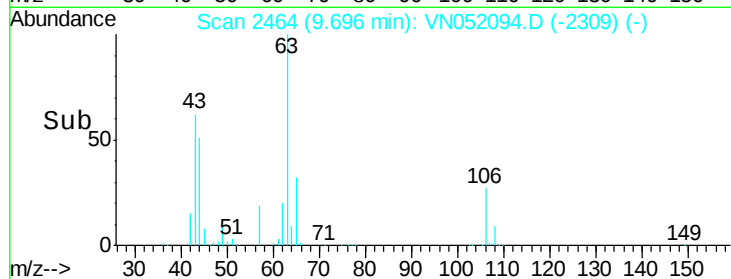
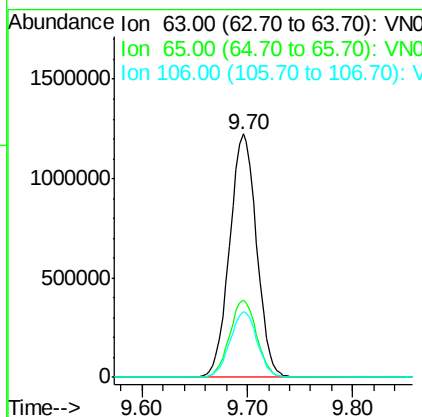
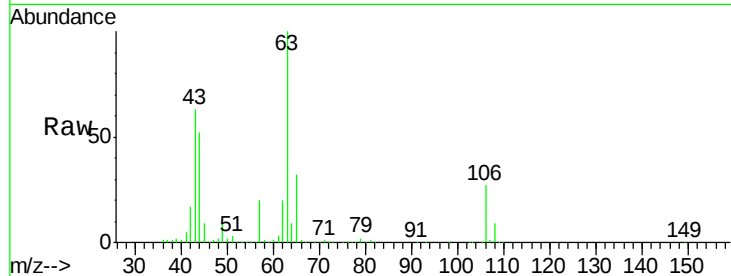
#55
 2-Chloroethyl vinyl ether
 Concen: 749.547 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 2162954
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.5 38.3
 106 27.1 20.4 30.6

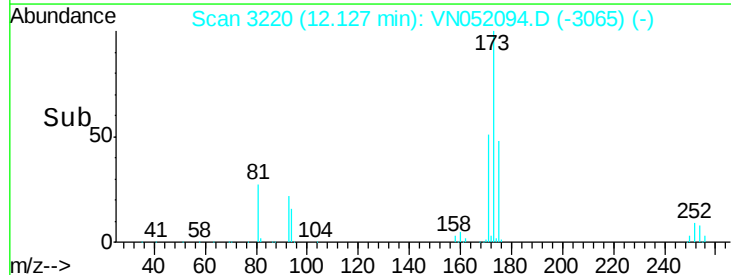
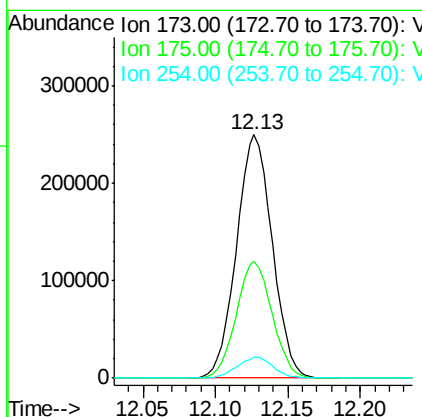
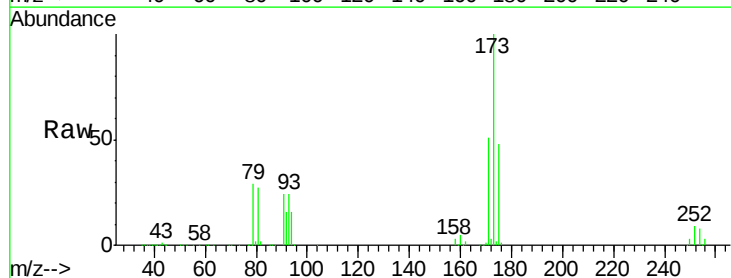
Manual Integrations
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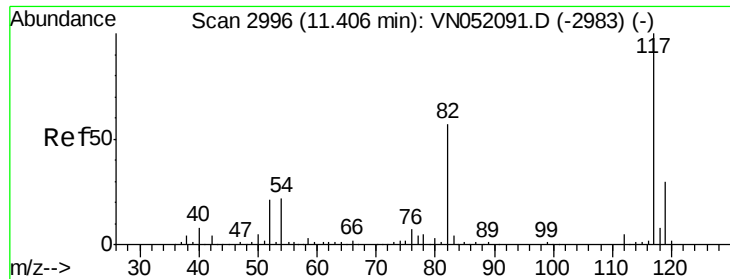
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 11/2/2018 9:21:13 AM



#56
 Bromoform
 Concen: 168.245 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion: 173 Resp: 427750
 Ion Ratio Lower Upper
 173 100
 175 48.1 37.3 55.9
 254 8.5 7.0 10.6





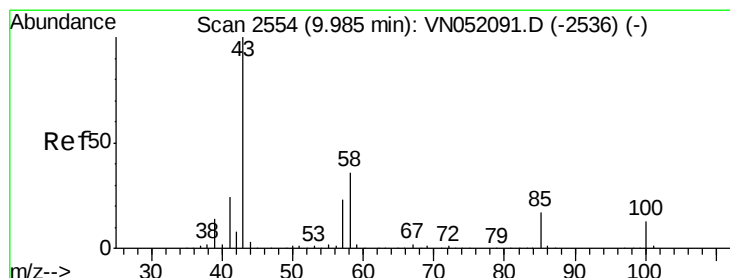
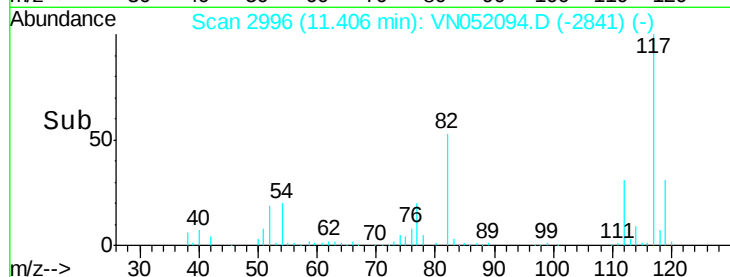
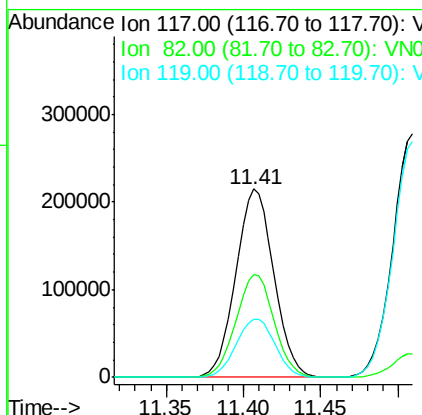
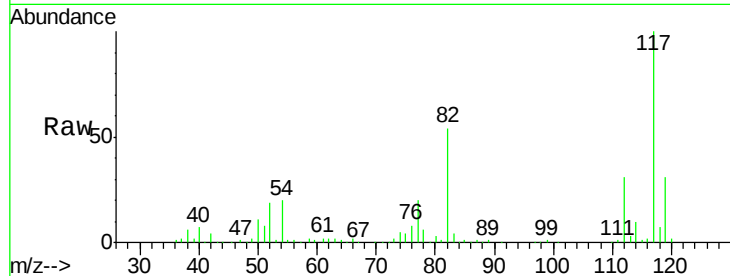
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 117 Resp: 366956
Ion Ratio Lower Upper
117 100
82 54.7 45.0 67.6
119 31.8 24.2 36.4

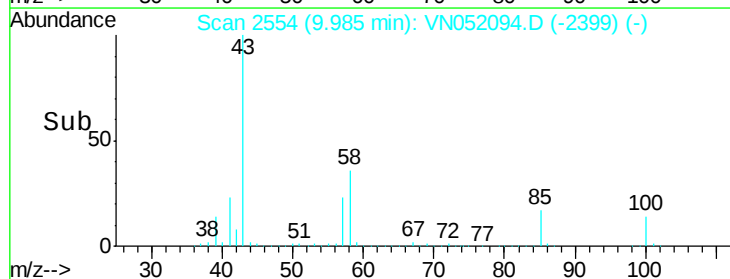
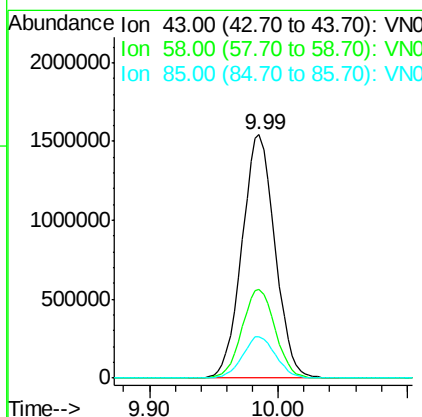
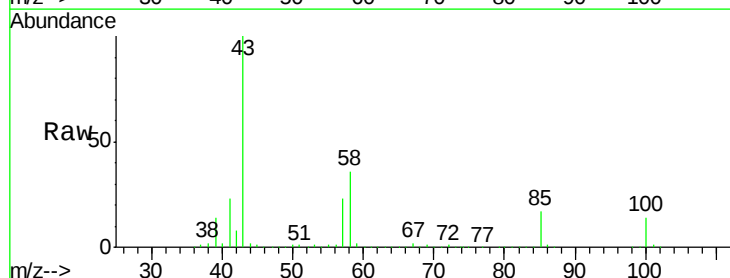
Manual Integrations
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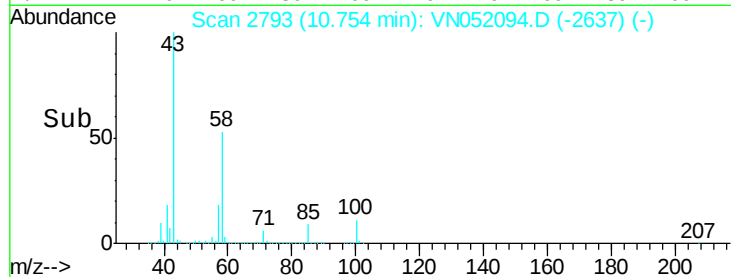
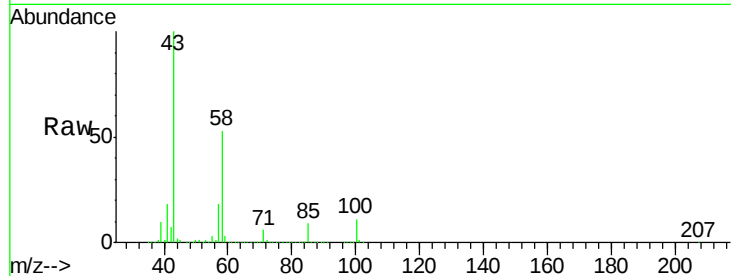
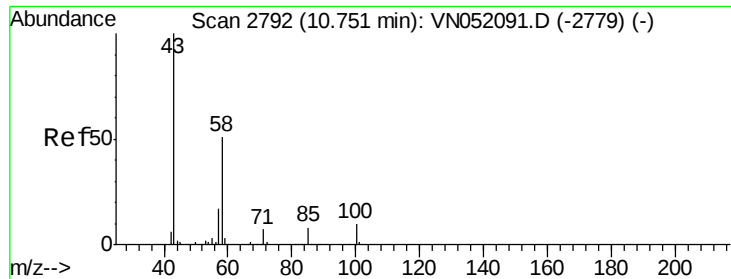
MMDadoda
11/2/2018 9:21:13 AM



#58
4-Methyl-2-Pentanone
Concen: 697.640 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 43 Resp: 2743206
Ion Ratio Lower Upper
43 100
58 36.8 29.0 43.6
85 17.1 13.4 20.2





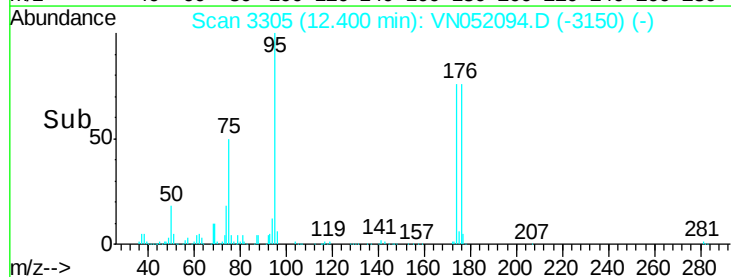
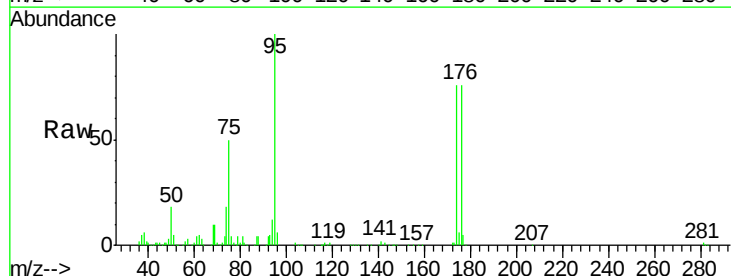
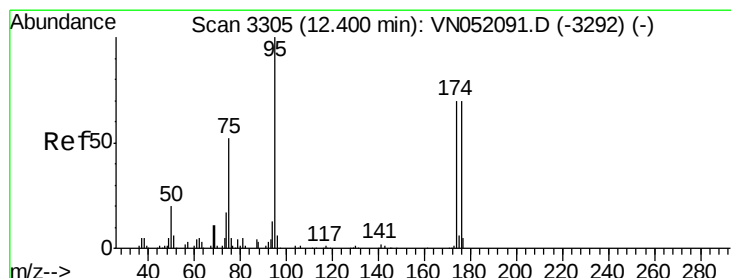
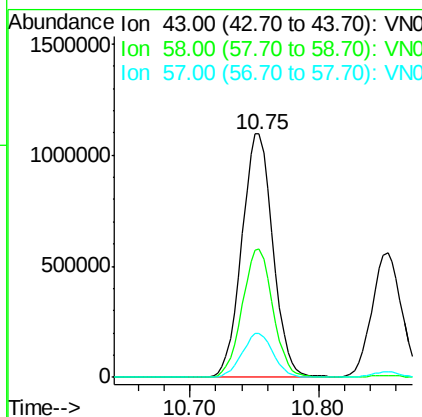
#59
2-Hexanone
Concen: 679.792 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 43 Resp: 1840469
Ion Ratio Lower Upper
43 100
58 52.0 40.8 61.2
57 18.1 13.8 20.8

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

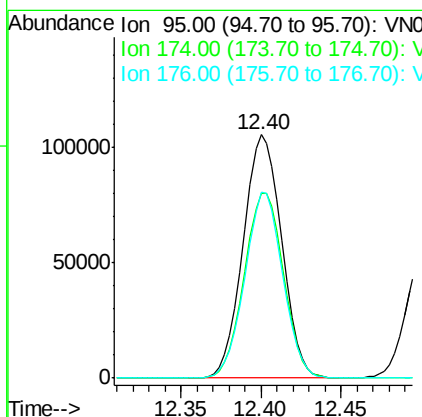
Manual Integrations
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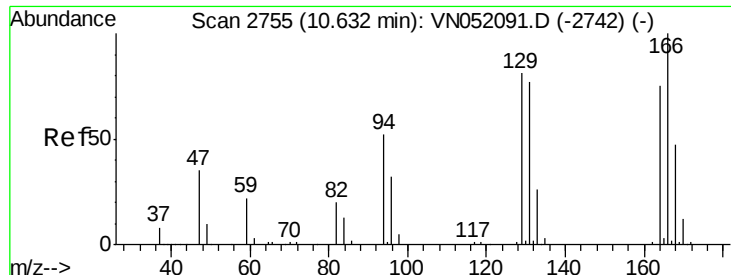
MMDadoda
11/2/2018 9:21:13 AM



#60
4-Bromofluorobenzene
Concen: 679.792 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 95 Resp: 173066
Ion Ratio Lower Upper
95 100
174 77.8 55.0 82.6
176 75.4 54.2 81.4





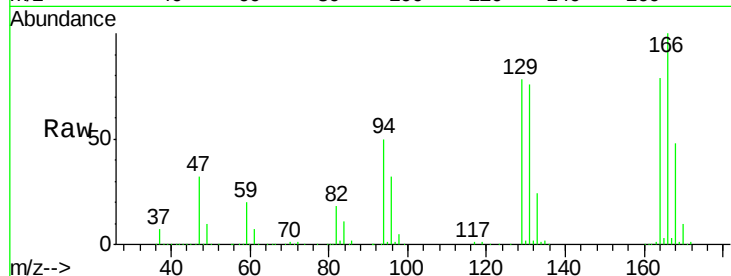
#61
Tetrachloroethene
Concen: 152.812 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.1	106.4	159.6
129	99.7	87.0	130.4
131	97.1	81.4	122.2

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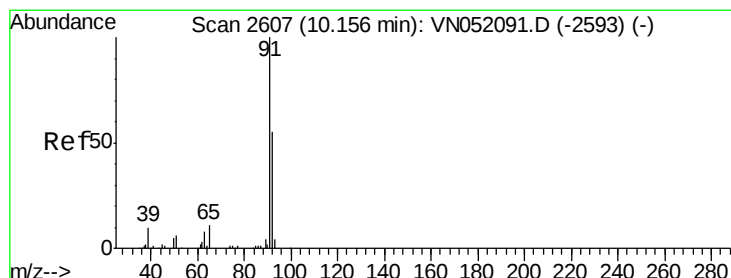
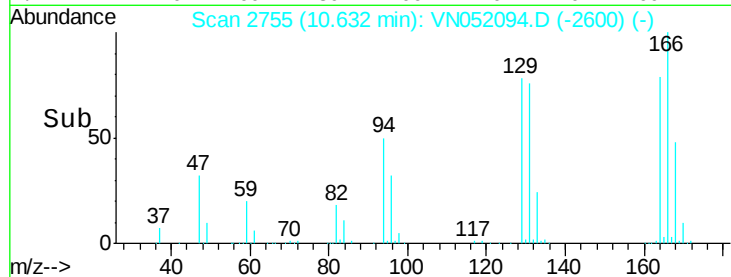
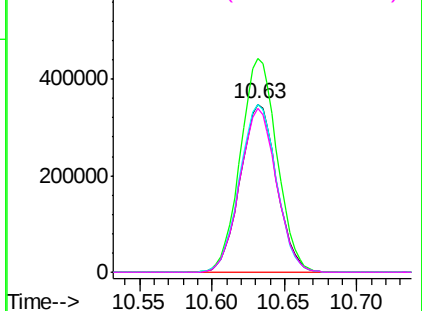


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

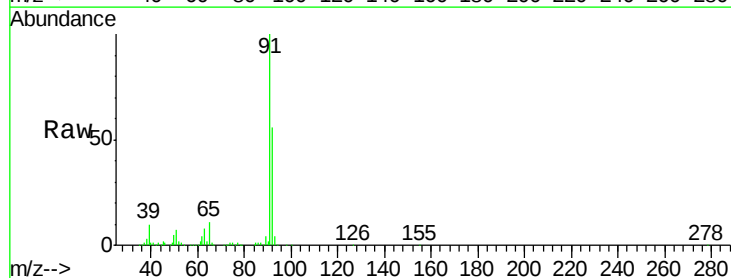
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



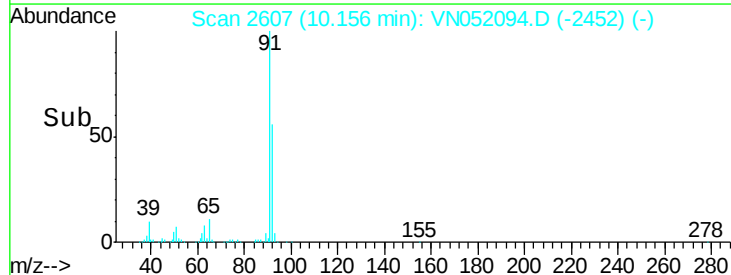
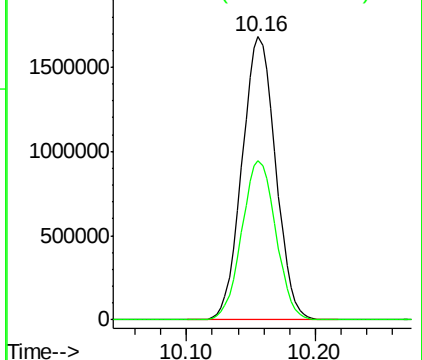
#62
Toluene
Concen: 147.900 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

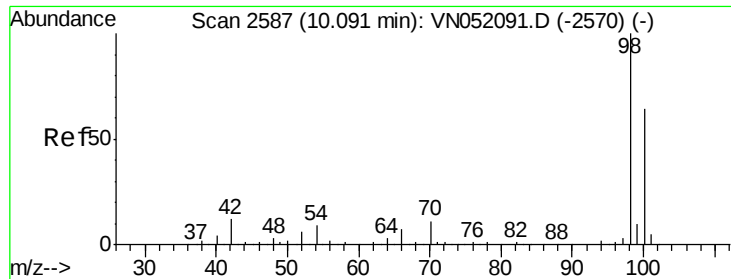
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	44.6	67.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





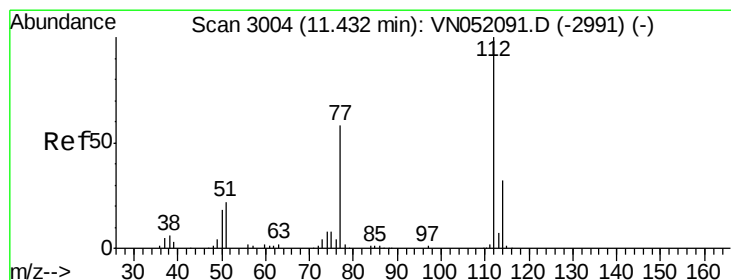
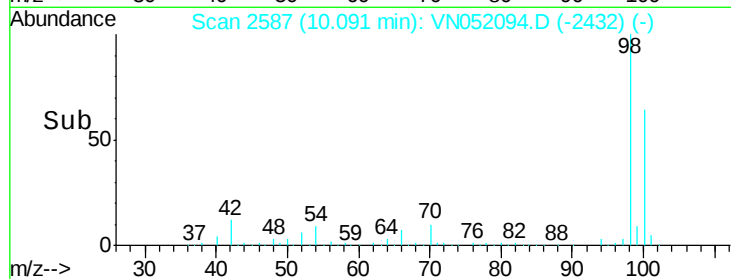
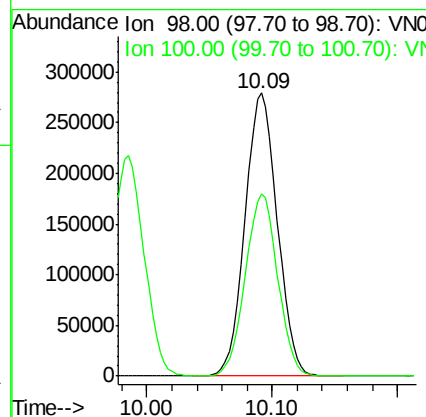
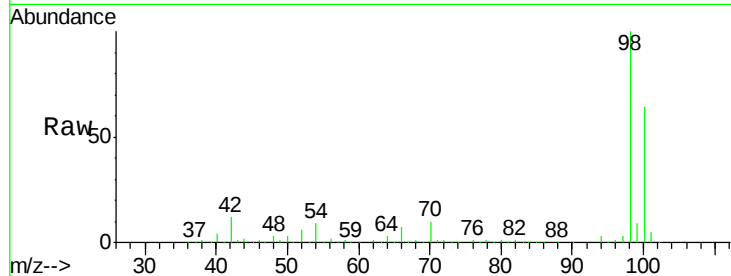
#63
Toluene-d8
Concen: 147.900 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion: 98 Resp: 499502
Ion Ratio Lower Upper
98 100
100 64.4 50.7 76.1

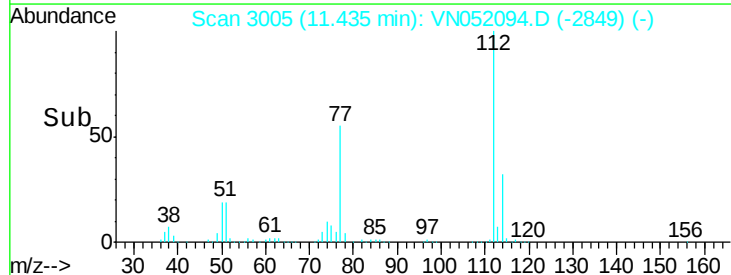
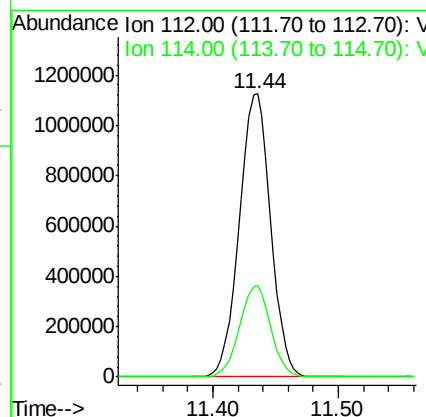
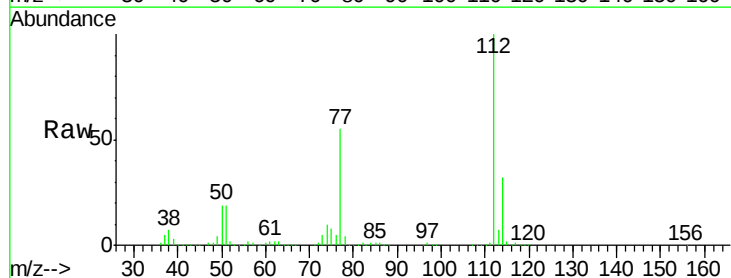
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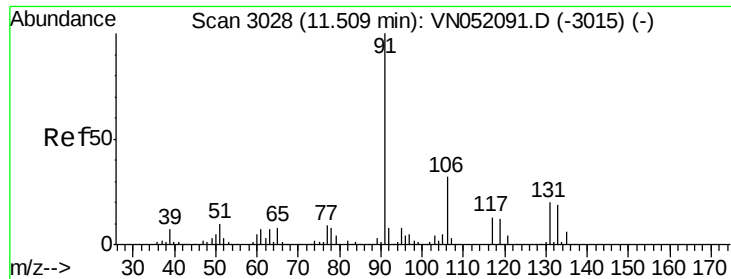
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#64
Chlorobenzene
Concen: 149.213 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion: 112 Resp: 1948050
Ion Ratio Lower Upper
112 100
114 32.2 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 155.556 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

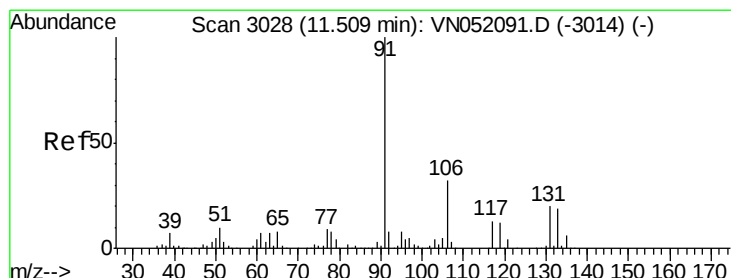
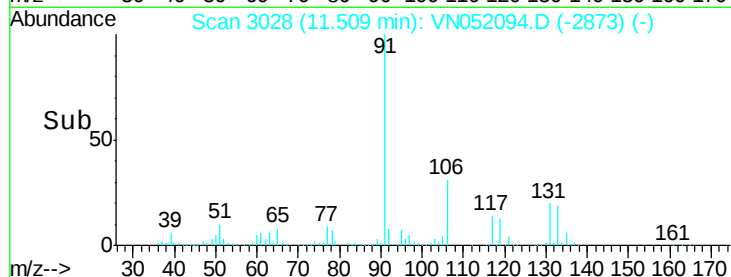
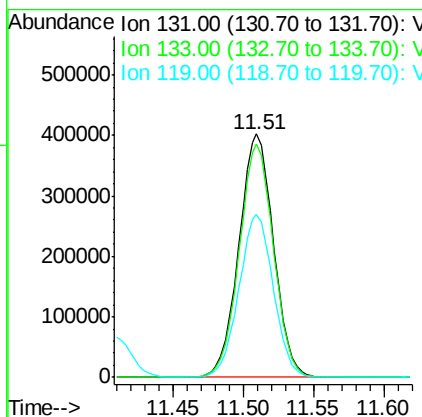
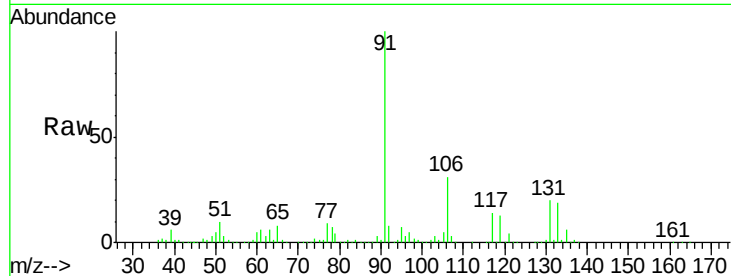
ClientSampled :

VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	691218		
133	94.8	0.0	188.8	
119	66.5	0.0	131.4	

Manual Integrations
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#66

Ethyl Benzene

Concen: 150.093 ug/l

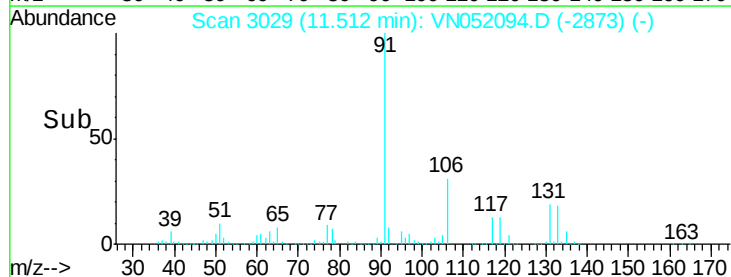
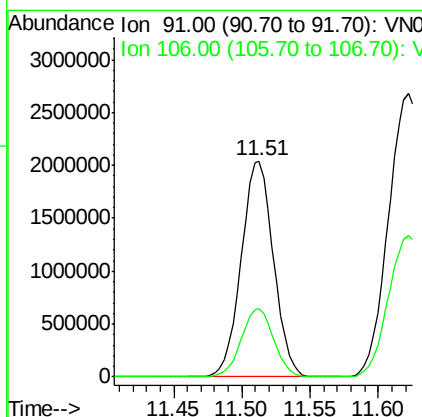
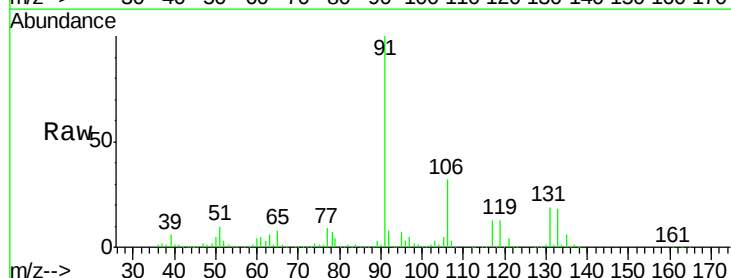
RT: 11.51 min Scan# 3029

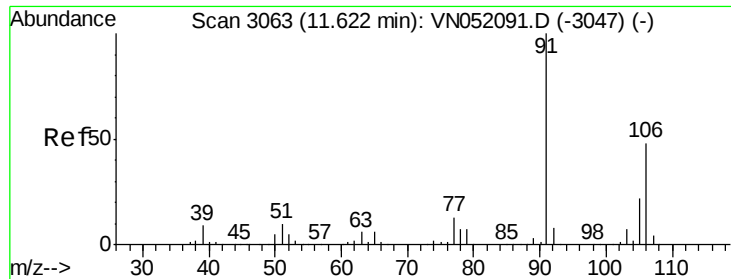
Delta R.T. 0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	3339723		
106	31.7	25.7	38.5	





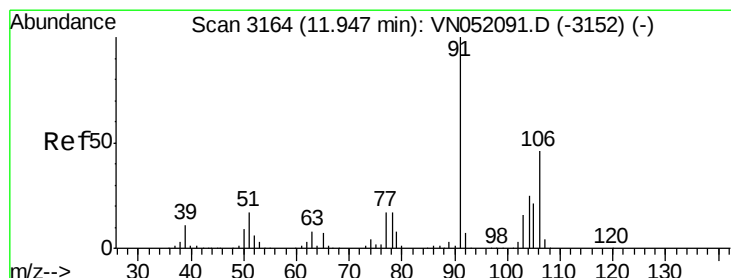
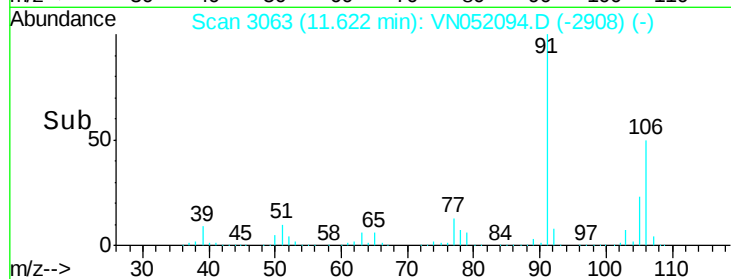
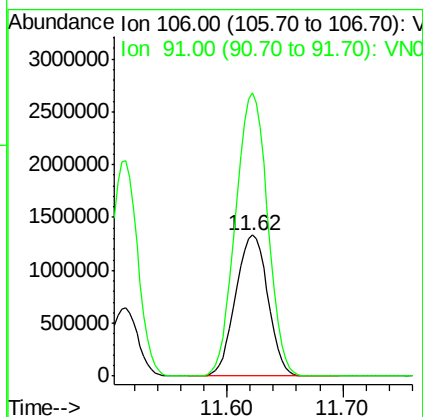
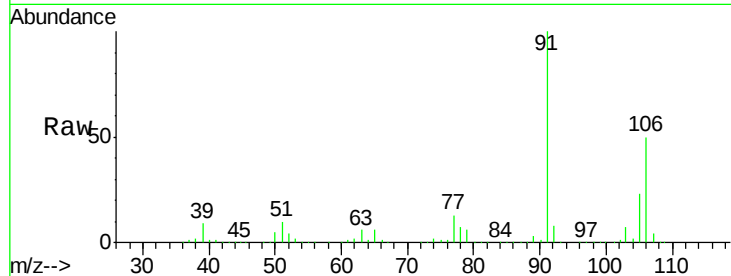
#67
m/p-Xylenes
Concen: 302.201 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 2588815
Ion Ratio Lower Upper
106 100
91 199.4 163.6 245.4

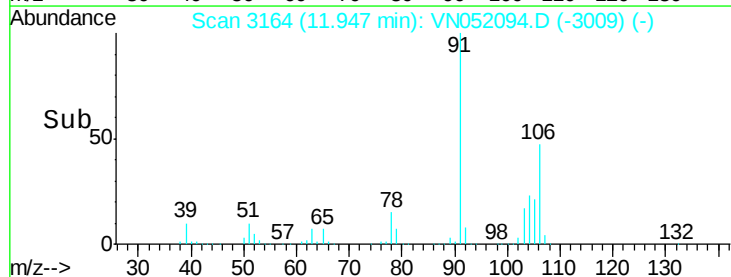
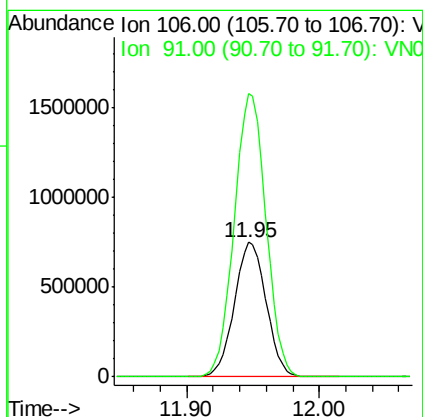
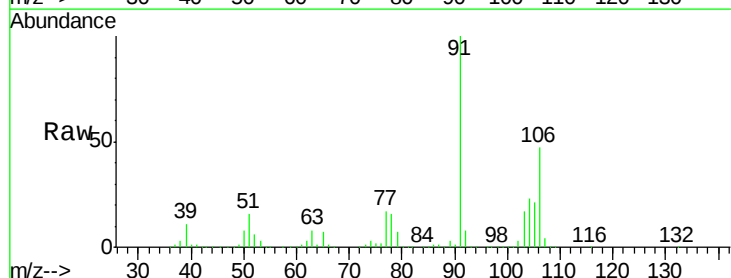
Manual Integrations
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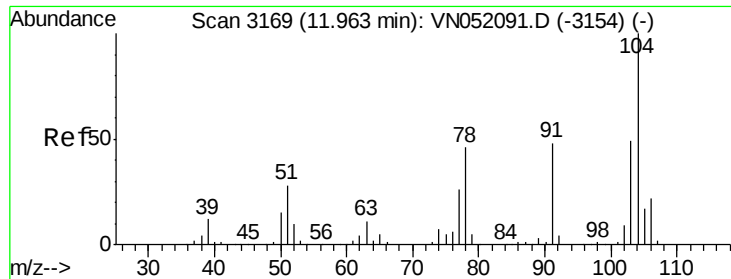
MMDadoda
11/2/2018 9:21:13 AM



#68
o-Xylene
Concen: 152.529 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion:106 Resp: 1245754
Ion Ratio Lower Upper
106 100
91 210.3 110.0 330.0





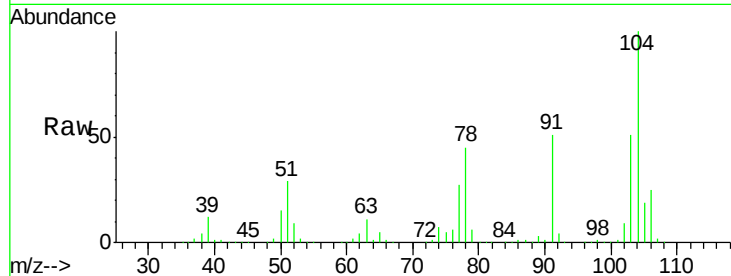
#69
Styrene
Concen: 154.110 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

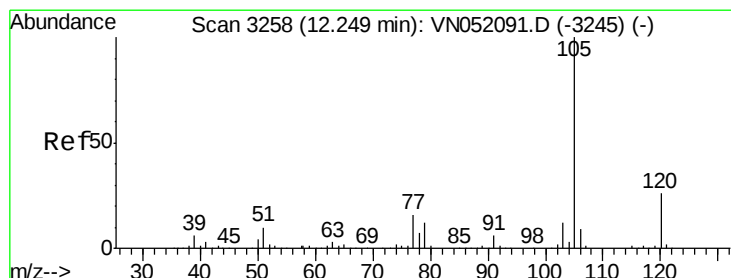
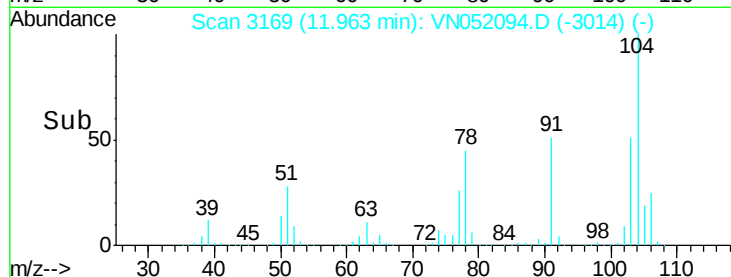
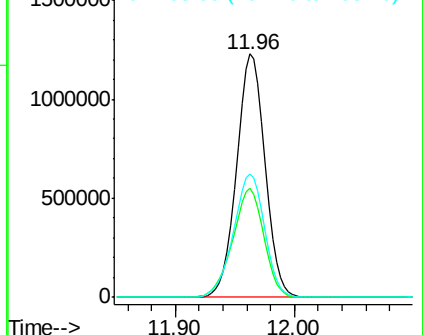
Tgt Ion:104 Resp: 2028264
Ion Ratio Lower Upper
104 100
78 49.2 41.3 61.9
103 55.7 43.3 64.9

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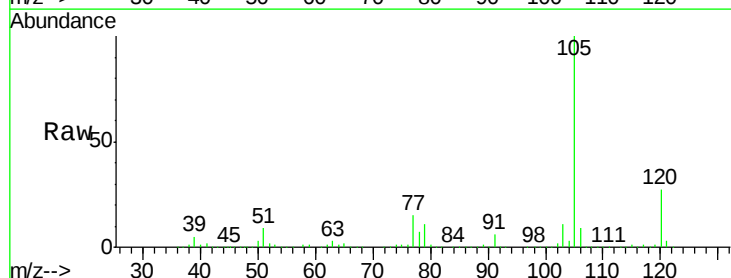


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

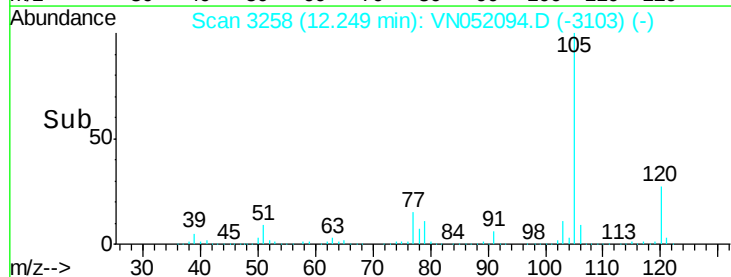
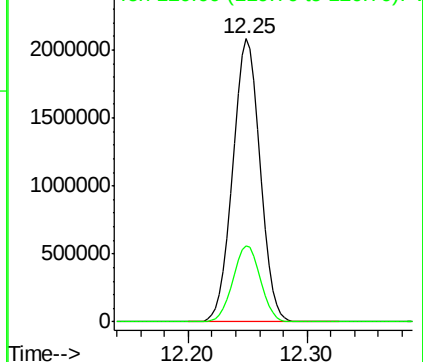


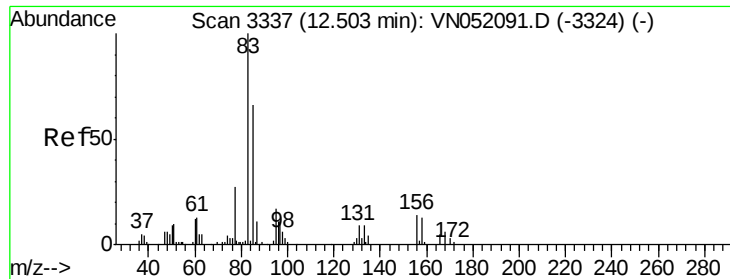
#70
Isopropylbenzene
Concen: 150.887 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion:105 Resp: 3308214
Ion Ratio Lower Upper
105 100
120 27.3 18.4 34.2



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





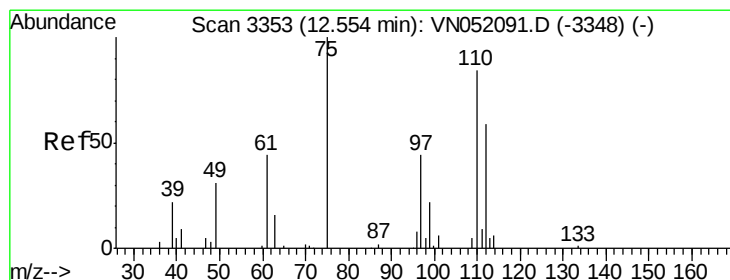
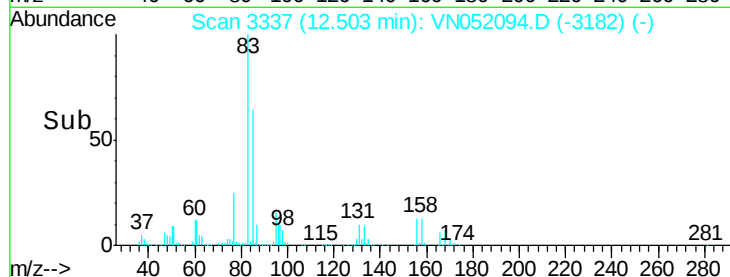
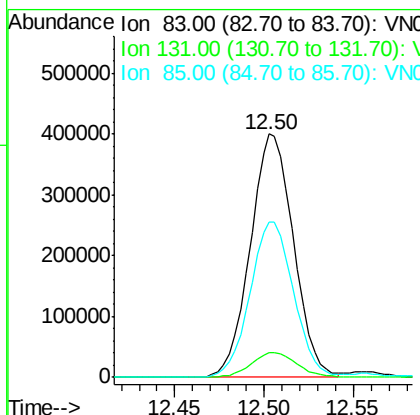
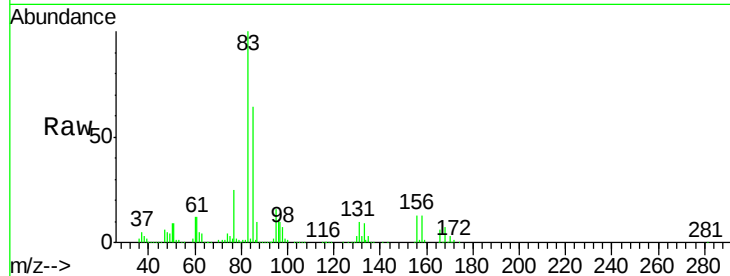
#71
 1,1,2,2-Tetrachloroethane
 Concen: 140.435 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
131	10.7	4.8	14.3
85	64.4	32.7	98.1

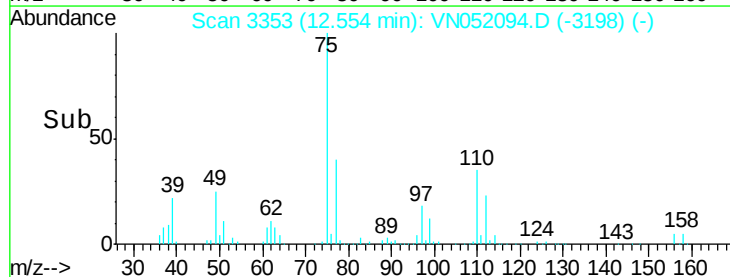
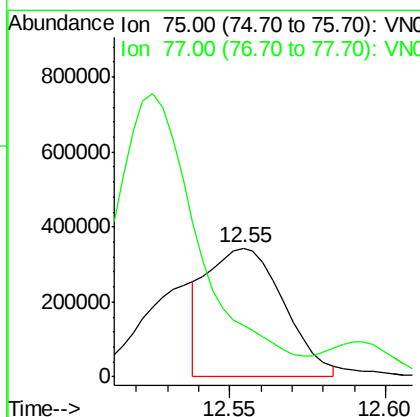
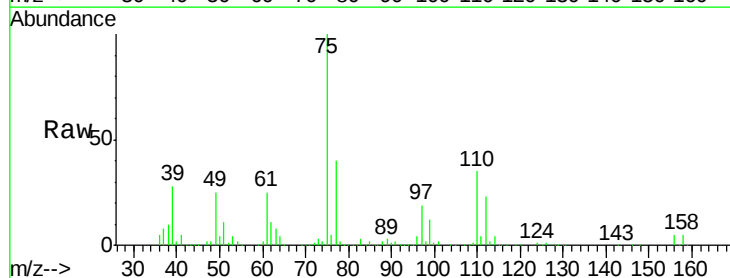
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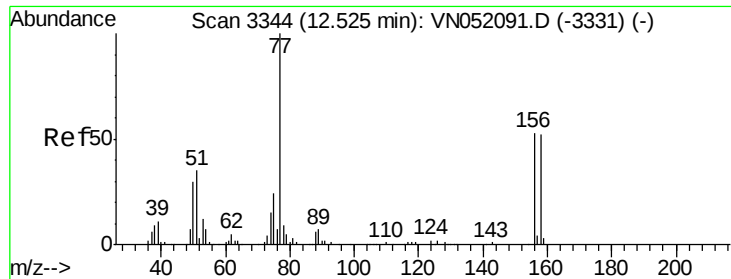
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#72
 1,2,3-Trichloropropane
 Concen: 145.282 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	249.2	0.0	481.8





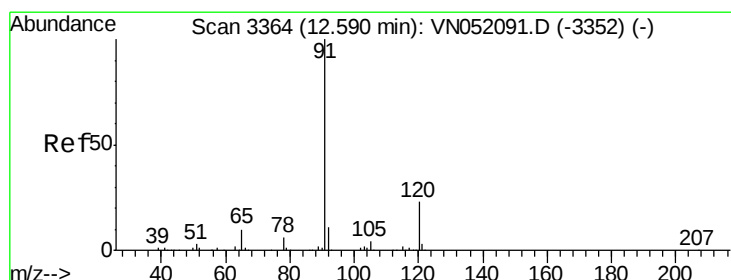
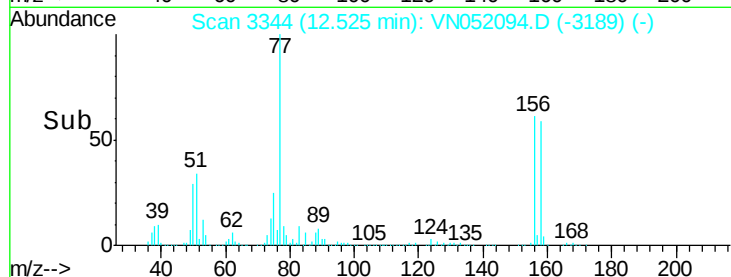
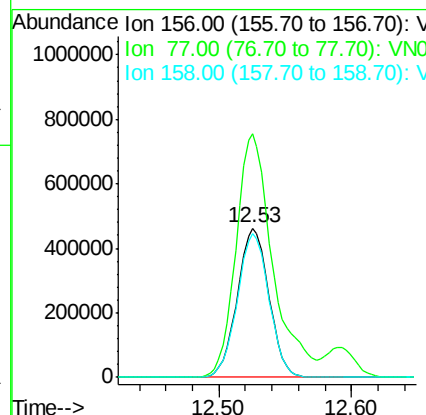
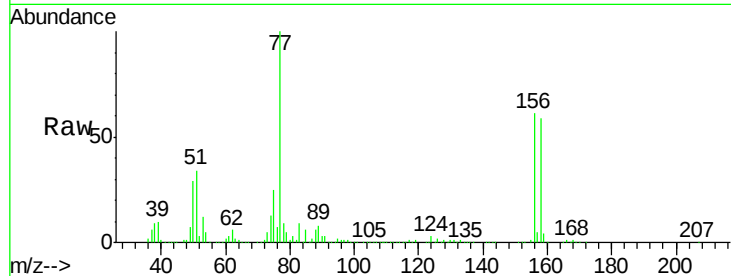
#73
Bromobenzene
Concen: 157.414 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
156	100		
77	189.8	0.0	428.0
158	96.8	0.0	196.8

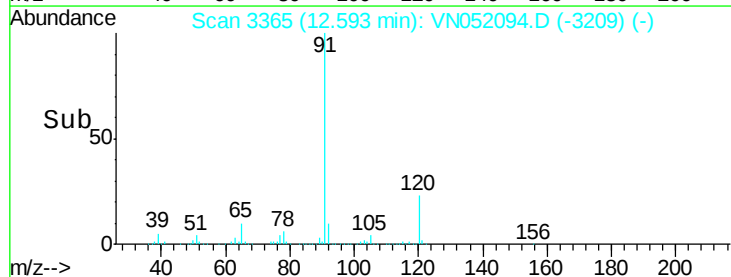
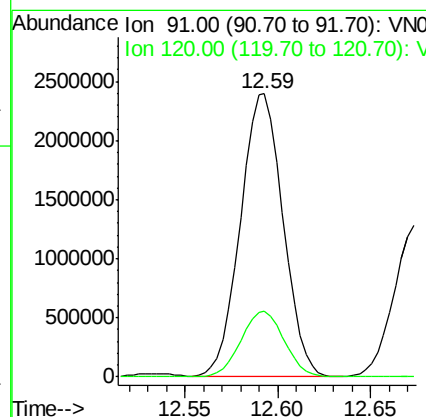
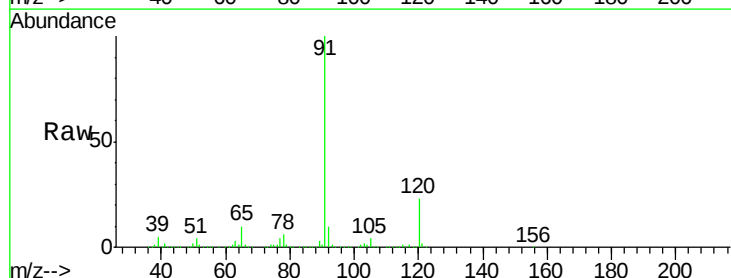
Manual Integrations
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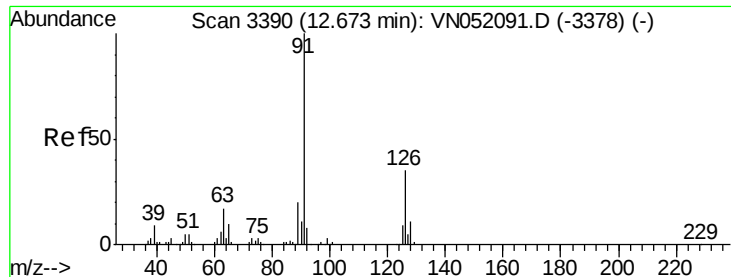
MMDadoda
11/2/2018 9:21:13 AM



#74
n-propylbenzene
Concen: 149.994 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. 0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	0.0	44.8





#75

2-Chlorotoluene

Concen: 145.908 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 2147745

Ion Ratio Lower Upper

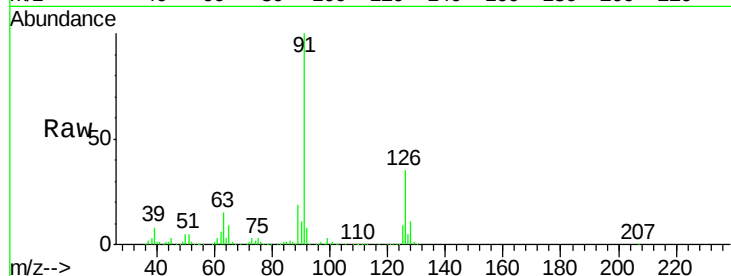
91 100

126 35.7 0.0 68.0

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Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3378) (-)

Ion 126.00 (125.70 to 126.70): VN052091.D (-3378) (-)

2000000

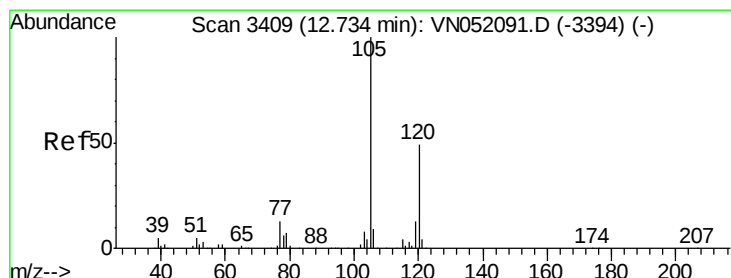
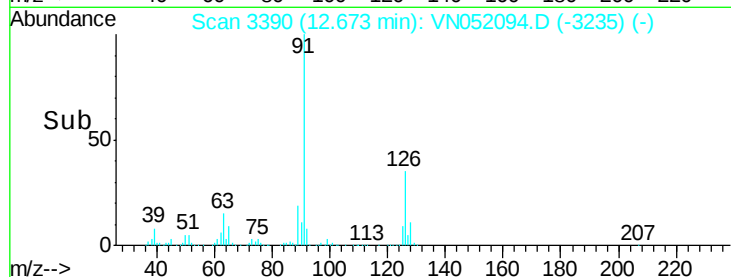
1500000

1000000

500000

0

Time--> 12.60 12.65 12.70



#76

1,3,5-Trimethylbenzene

Concen: 150.554 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052094.D

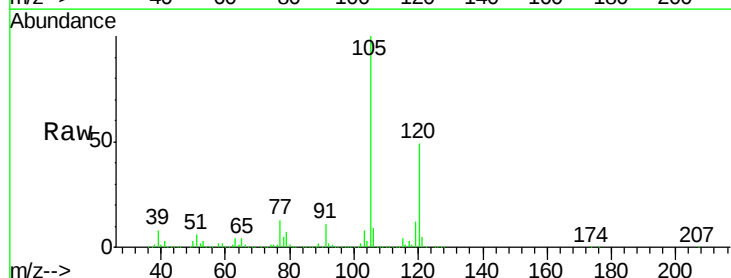
Acq: 1 Nov 2018 10:09

Tgt Ion: 105 Resp: 2646867

Ion Ratio Lower Upper

105 100

120 48.9 0.0 95.8



Abundance Ion 105.00 (104.70 to 105.70): VN052091.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN052091.D (-3394) (-)

2000000

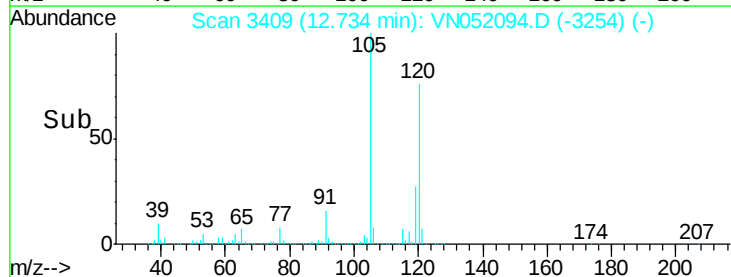
1500000

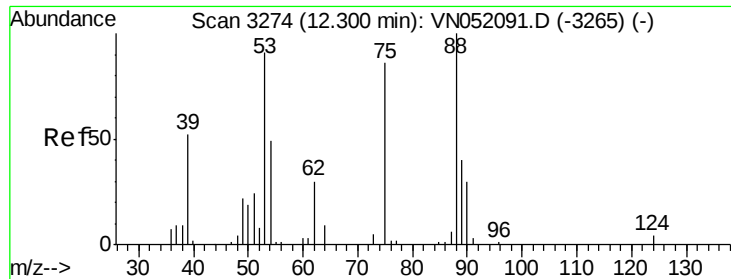
1000000

500000

0

Time--> 12.65 12.70 12.75 12.80





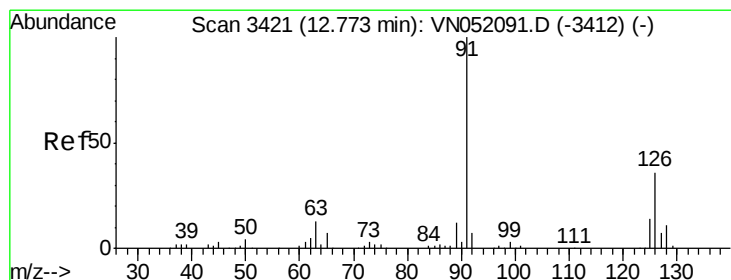
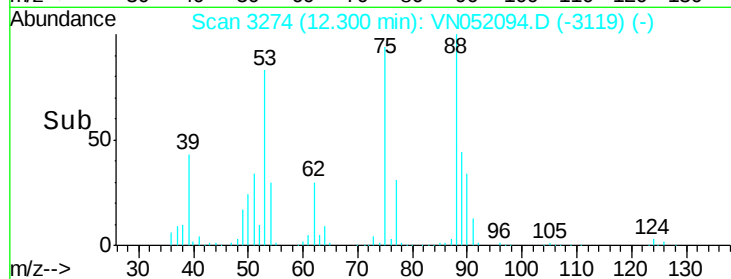
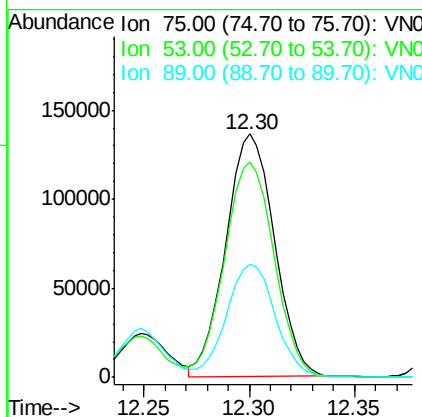
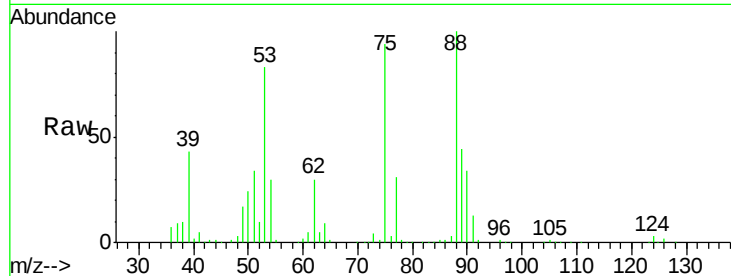
#77
t-1,4-Dichloro-2-butene
Concen: 164.554 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	218319		
53	88.4	50.7	152.1	
89	46.4	23.8	71.5	

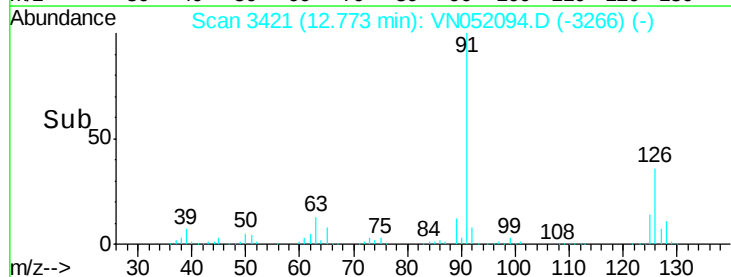
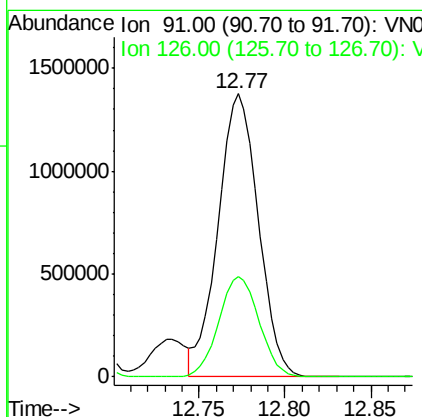
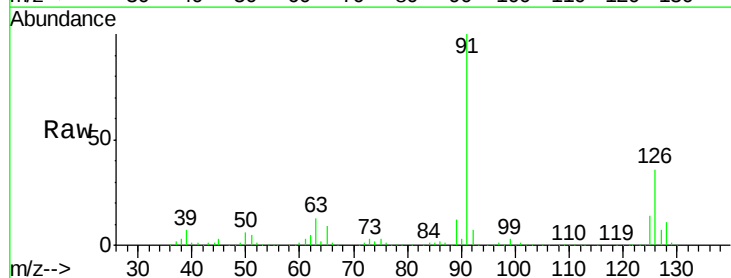
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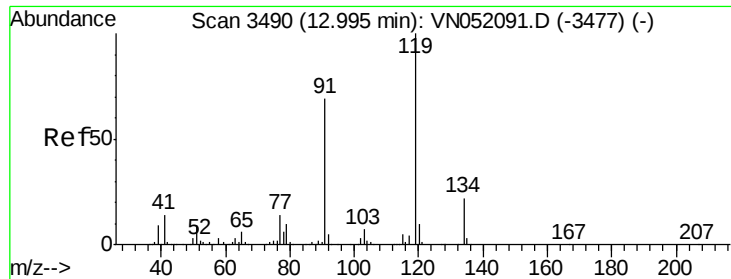
MMDadoda
11/2/2018 9:21:13 AM



#78
4-Chlorotoluene
Concen: 151.063 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	2239242		
126	35.5	0.0	68.0	





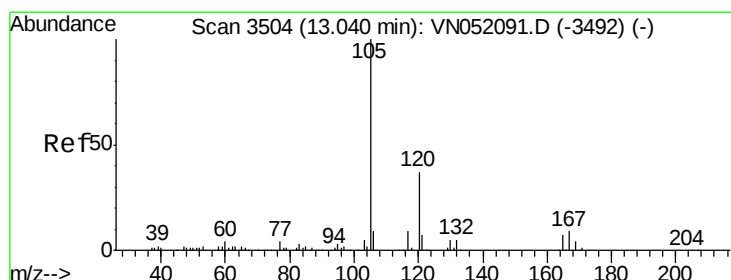
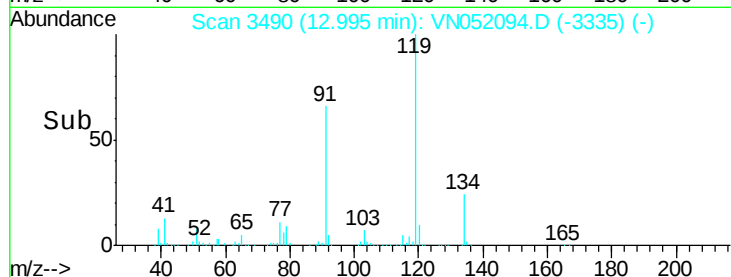
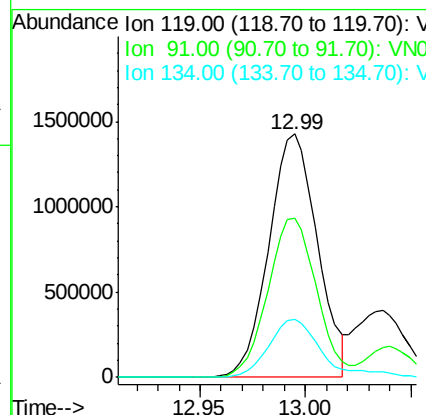
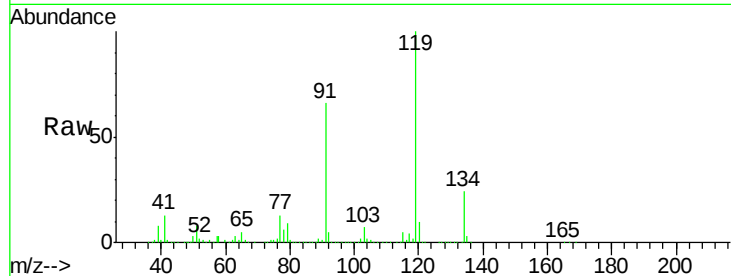
#79
tert-butylbenzene
Concen: 149.322 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
119	100		
91	65.5	0.0	131.2
134	26.2	0.0	45.8

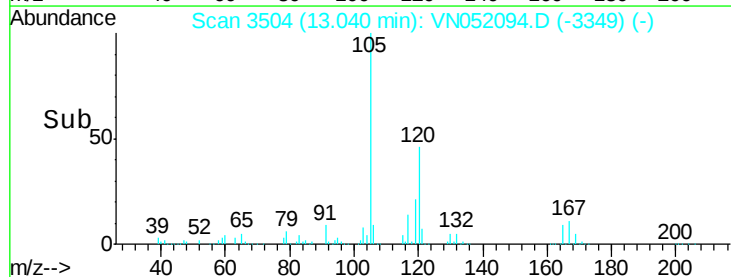
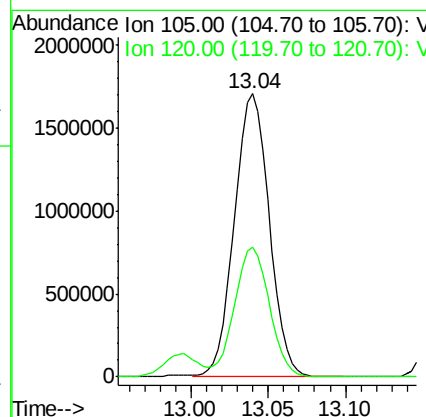
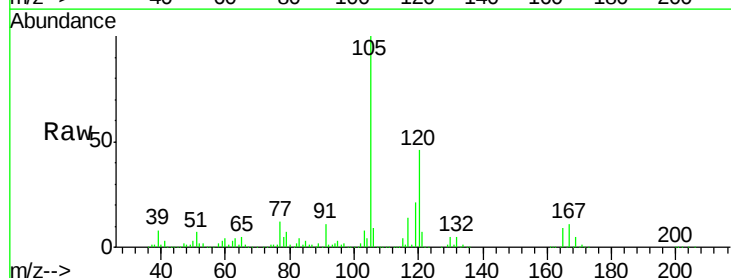
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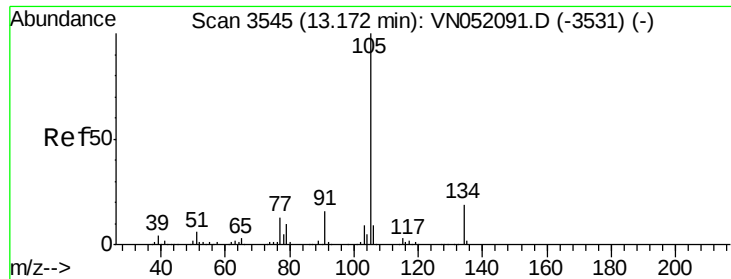
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 152.307 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	0.0	89.4





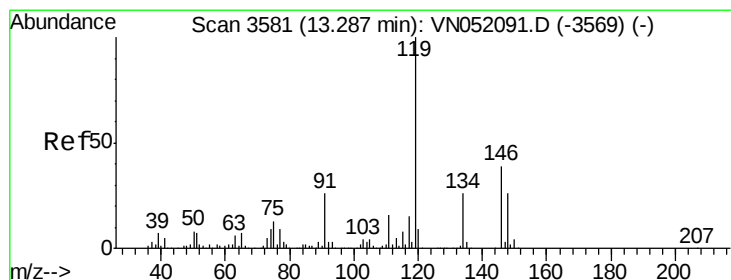
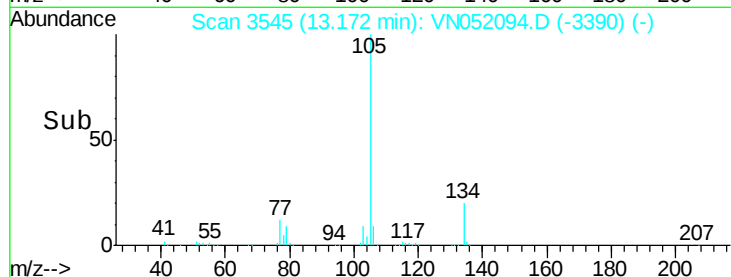
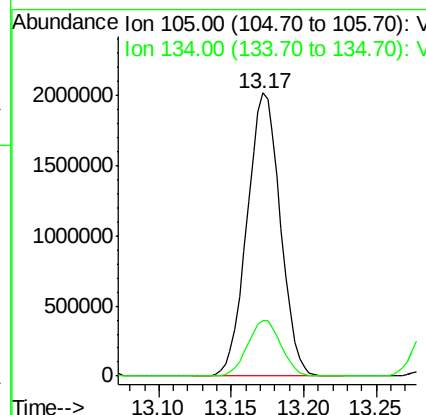
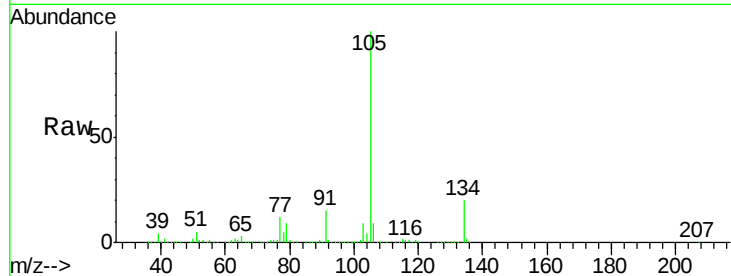
#81
 sec-Butylbenzene
 Concen: 152.597 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 3216141
 Ion Ratio Lower Upper
 105 100
 134 19.9 0.0 38.6

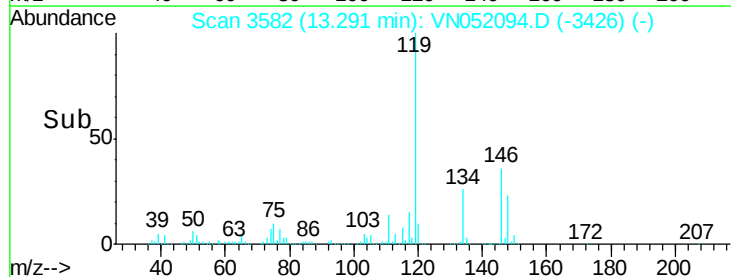
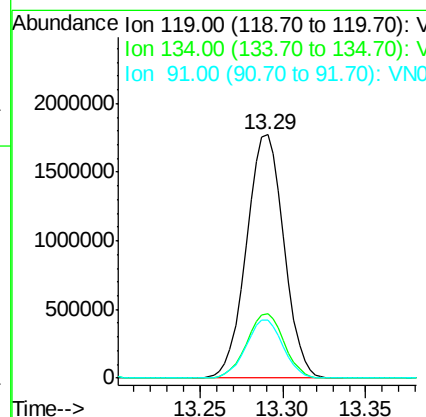
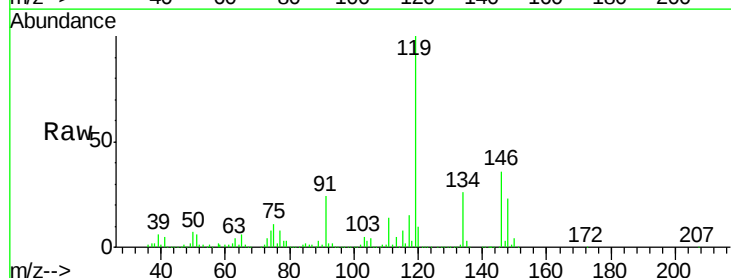
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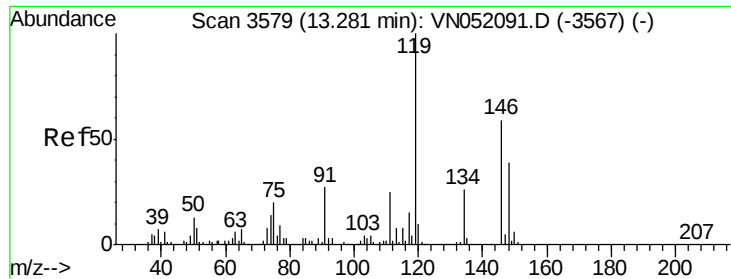
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#82
 p-Isopropyltoluene
 Concen: 155.769 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion:119 Resp: 2774432
 Ion Ratio Lower Upper
 119 100
 134 26.4 0.0 52.0
 91 23.7 0.0 50.8





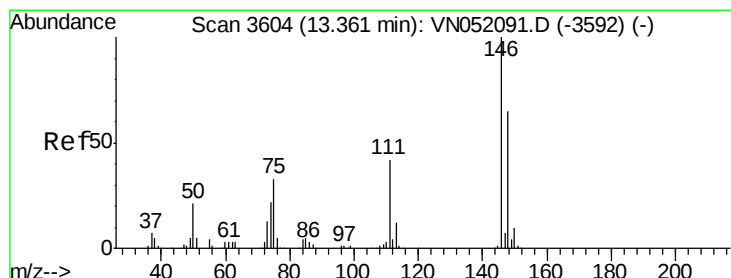
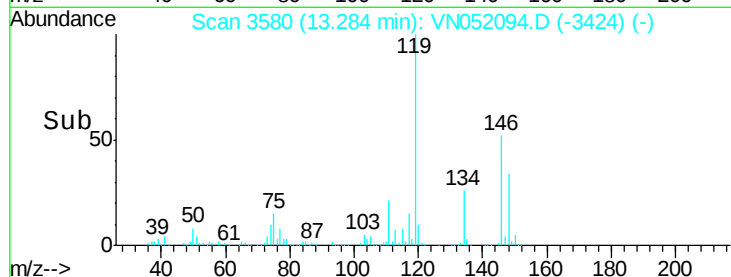
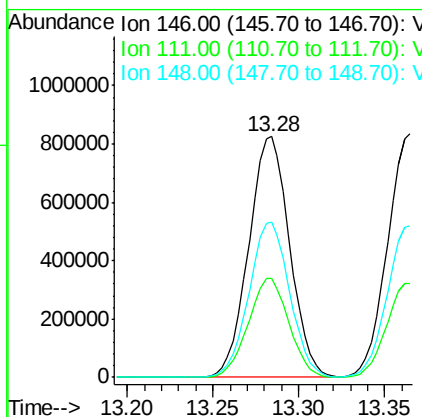
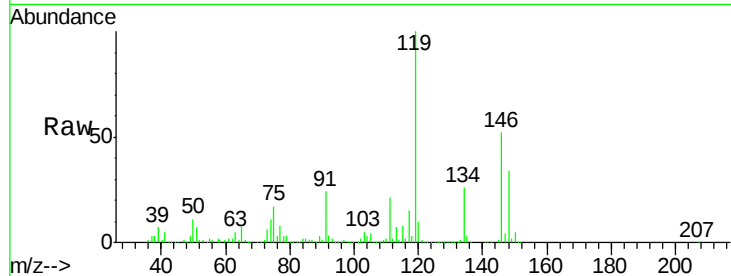
#83
 1,3-Dichlorobenzene
 Concen: 157.958 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion:146 Resp: 1357384
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.0 63.0
 148 64.2 33.4 100.2

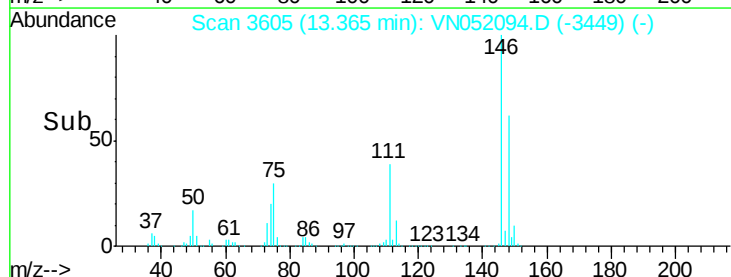
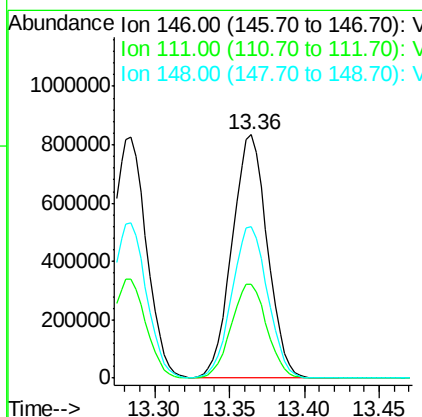
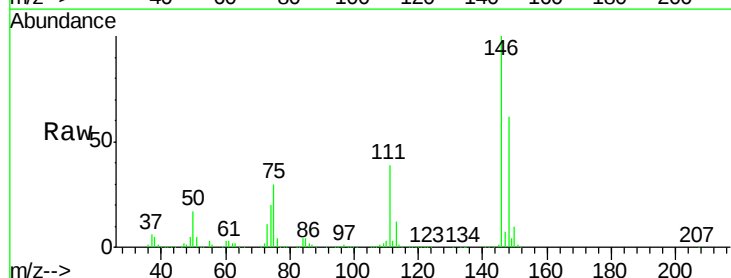
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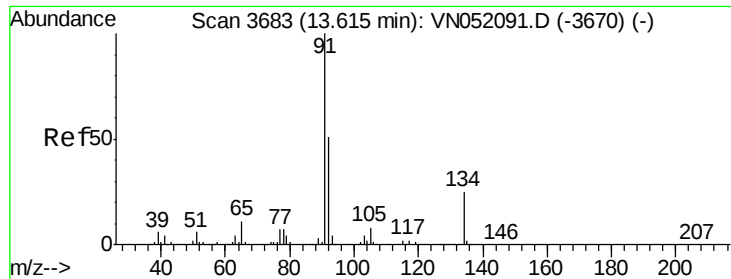
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#84
 1,4-Dichlorobenzene
 Concen: 160.768 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion:146 Resp: 1367650
 Ion Ratio Lower Upper
 146 100
 111 39.1 21.4 64.2
 148 63.3 32.6 98.0





#85

n-Butylbenzene

Concen: 158.717 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Instrument :

MSVOA_N

ClientSampleId :

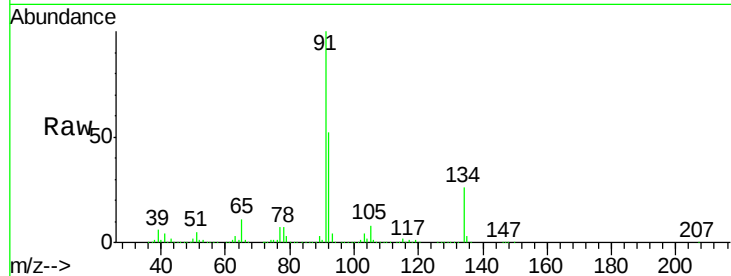
VSTDIC150

Tgt Ion: 91 Resp: 2446745

Ion	Ratio	Lower	Upper
91	100		
92	51.8	0.0	102.8
134	26.2	0.0	49.2

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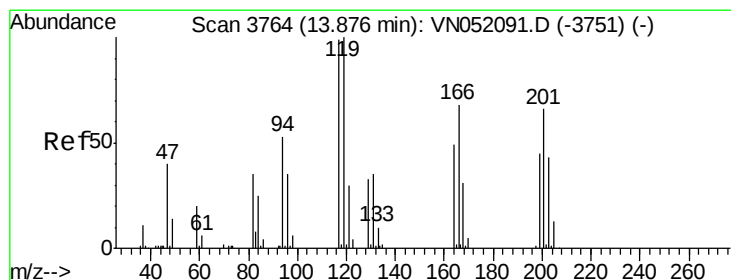
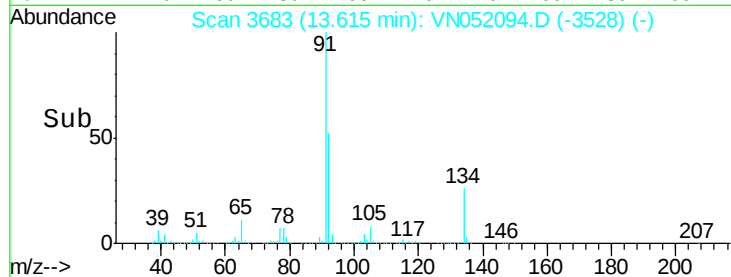
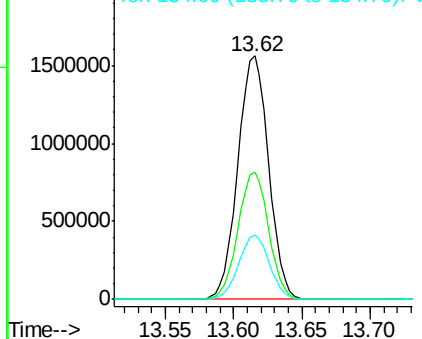


Abundance

Ion 91.00 (90.70 to 91.70): VN052091.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN052091.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN052091.D (-3670) (-)



#86

Hexachloroethane

Concen: 164.670 ug/l

RT: 13.88 min Scan# 3764

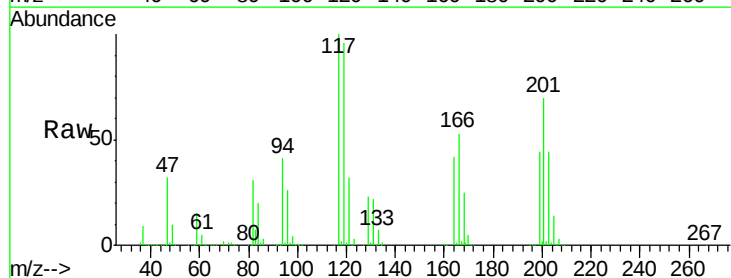
Delta R.T. -0.00 min

Lab File: VN052094.D

Acq: 1 Nov 2018 10:09

Tgt Ion: 117 Resp: 494949

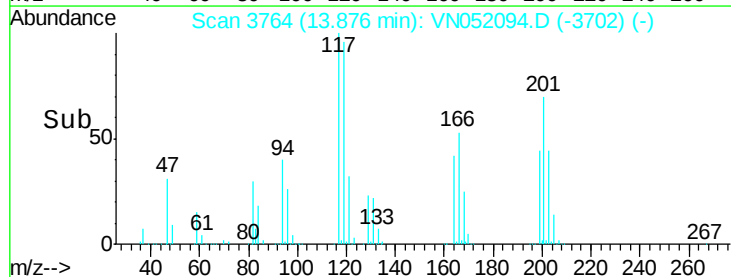
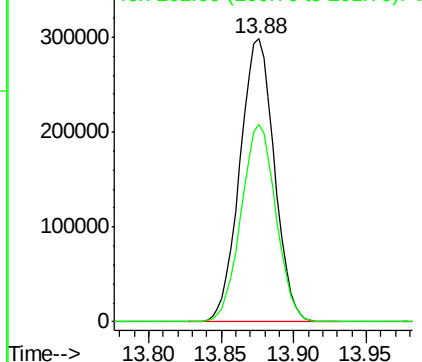
Ion	Ratio	Lower	Upper
117	100		
201	70.2	32.2	96.6

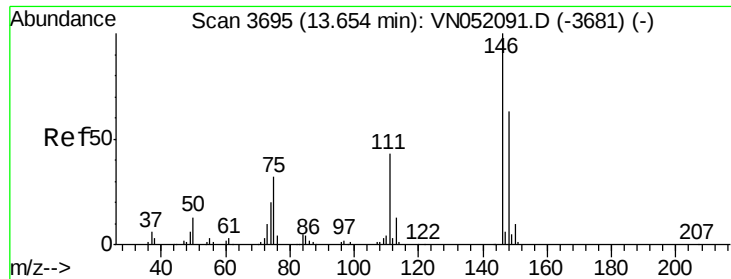


Abundance

Ion 117.00 (116.70 to 117.70): VN052091.D (-3751) (-)

Ion 201.00 (200.70 to 201.70): VN052091.D (-3751) (-)





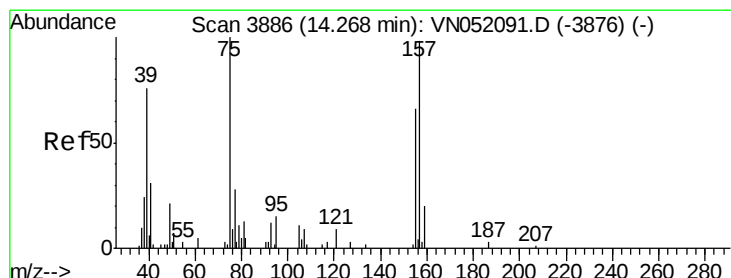
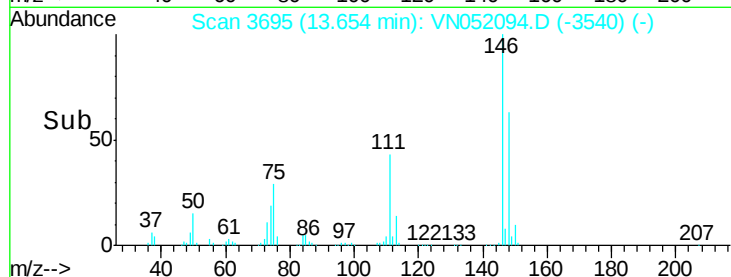
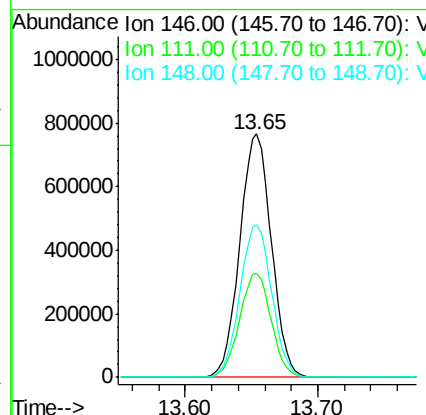
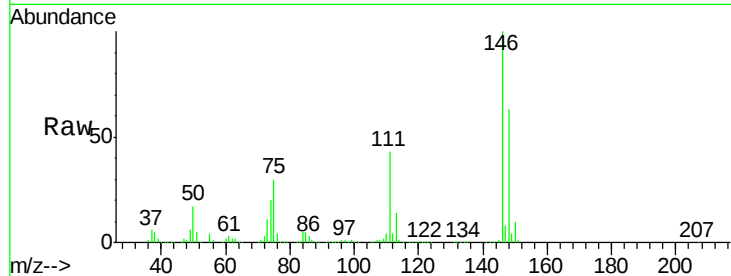
#87
 1,2-Dichlorobenzene
 Concen: 154.974 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	22.4	67.0
148	63.0	32.5	97.4

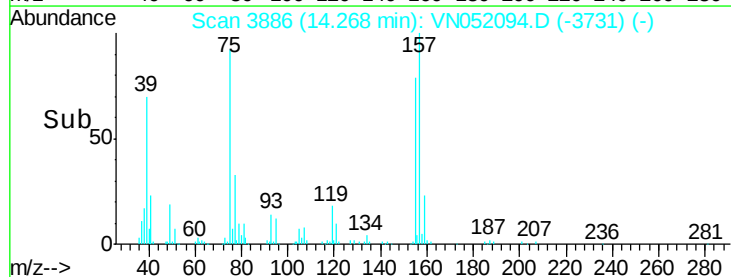
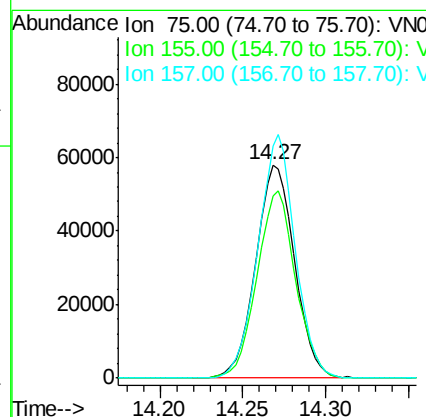
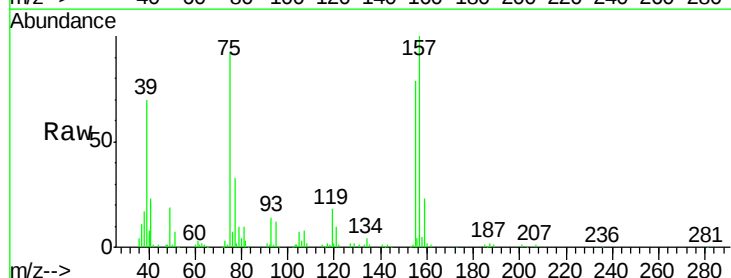
Manual Integrations
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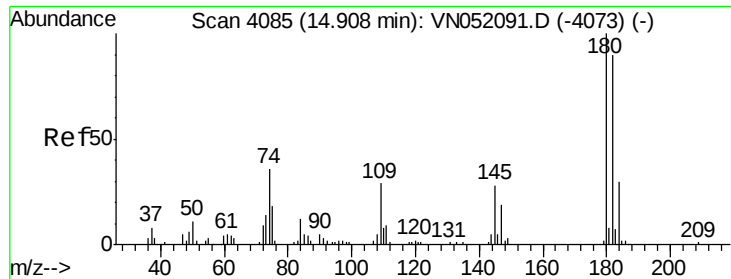
MMDadoda
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 143.940 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.3	56.7	85.1#
157	109.2	80.4	120.6





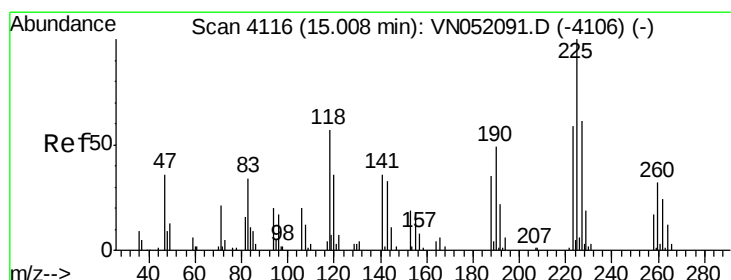
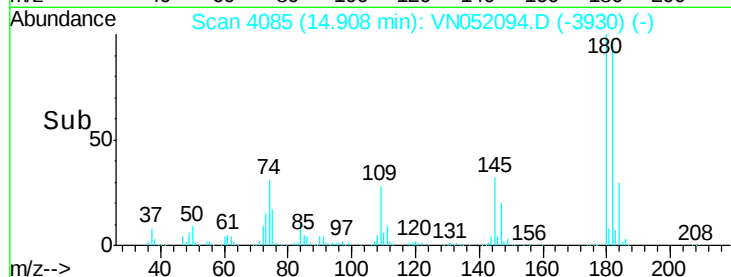
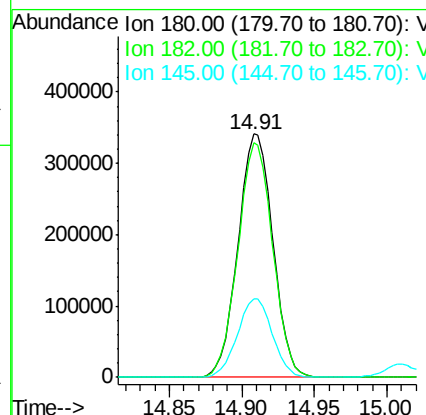
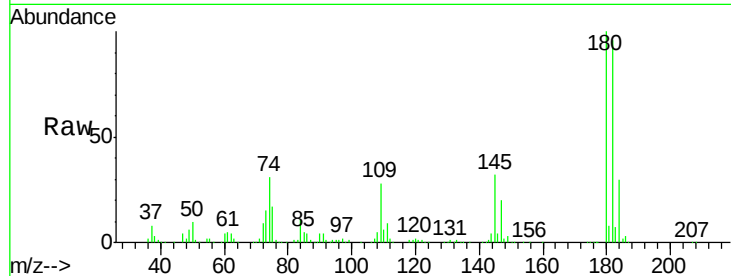
#89
 1,2,4-Trichlorobenzene
 Concen: 171.811 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	569426		
182	96.1	74.0	111.0	
145	32.3	24.6	36.8	

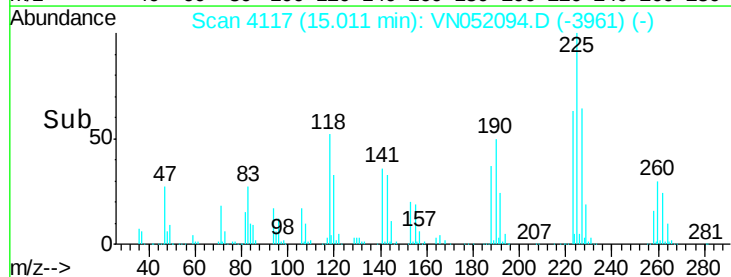
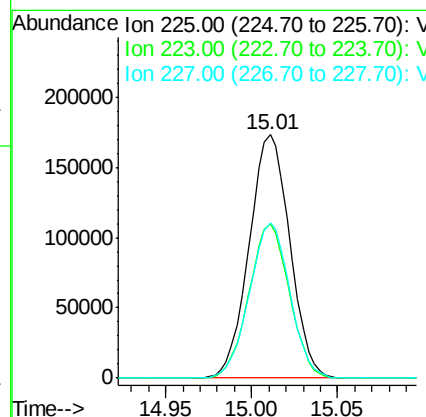
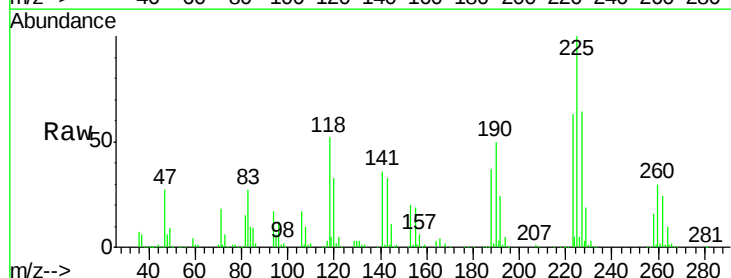
Manual Integrations
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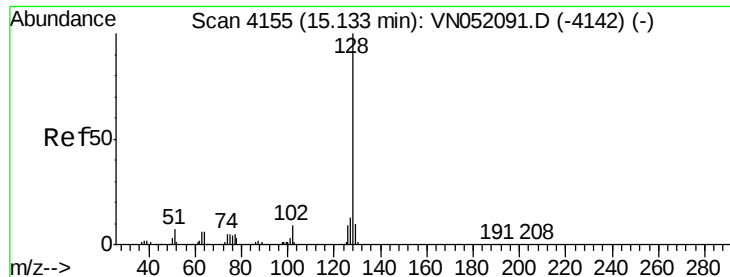
MMDadoda
 11/2/2018 9:21:13 AM



#90
 Hexachlorobutadiene
 Concen: 156.492 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052094.D
 Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	283758		
223	62.9	0.0	121.2	
227	63.5	0.0	127.2	





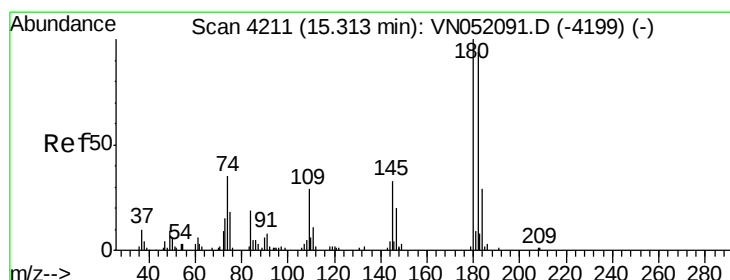
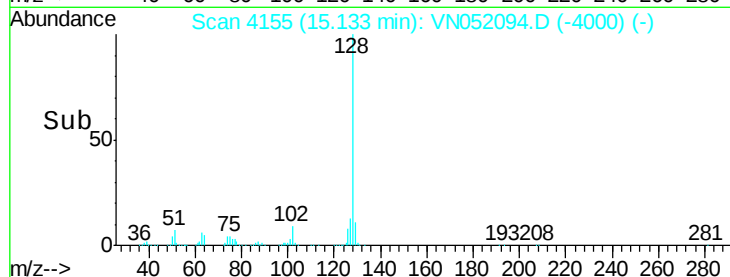
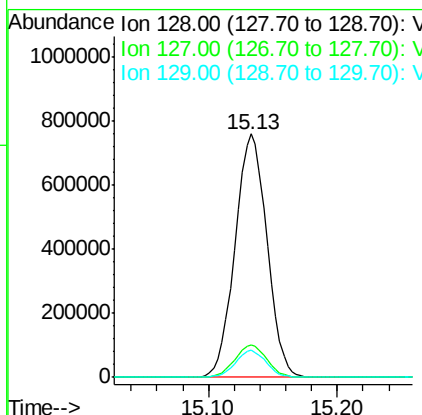
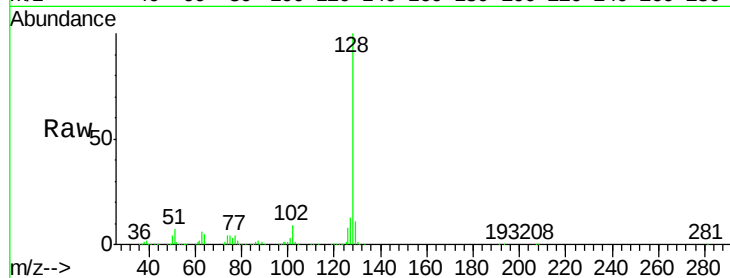
#91
Naphthalene
Concen: 170.801 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	10.7	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/2/2018 9:21:13 AM



#92
1,2,3-Trichlorobenzene
Concen: 171.557 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052094.D
Acq: 1 Nov 2018 10:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	0.0	186.6
145	34.0	0.0	66.6

