

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110718\
 Data File : VN052200.D
 Acq On : 7 Nov 2018 11:24
 Operator : MD\SY
 Sample : VN1107WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/8/2018 9:13:52 AM

Quant Time: Nov 07 11:45:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.19	128	68598	30.00	ug/l	-0.01
28) 1,4-Difluorobenzene	8.58	114	396614	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	350641	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	147043	28.88	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.27%
60) 4-Bromofluorobenzene	12.40	95	161942	28.87	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.23%
63) Toluene-d8	10.09	98	497963	30.20	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.67%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	95139	20.766	ug/l 97
3) Chloromethane	2.06	50	104284	19.916	ug/l 99
4) Vinyl Chloride	2.19	62	101577	19.775	ug/l 99
5) Bromomethane	2.58	94	68778	19.616	ug/l 97
6) Chloroethane	2.71	64	60572	18.442	ug/l 99
7) Trichlorofluoromethane	3.02	101	141827	20.389	ug/l 92
8) Diethyl Ether	3.41	74	44731	19.045	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	86417	21.256	ug/l 96
10) 1,1-Dichloroethene	3.74	96	75772	19.974	ug/l 93
11) Methyl Iodide	3.96	142	104870	19.120	ug/l 95
12) Methyl Acetate	4.32	43	62736	19.648	ug/l 99
13) Acrolein	3.61	56	28514	84.192	ug/l 93
14) Acrylonitrile	4.98	53	129536	91.480	ug/l 98
15) Acetone	3.82	58	34303	102.500	ug/l 79
16) Carbon Disulfide	4.06	76	213665	19.076	ug/l 100
17) Allyl chloride	4.33	41	123505	19.175	ug/l 98
18) Methylene Chloride	4.55	84	88126	18.821	ug/l # 88
19) trans-1,2-Dichloroethene	5.05	96	82701	19.897	ug/l 92
20) Diisopropyl ether	5.95	45	285723	20.414	ug/l 97
21) 1,1-Dichloroethane	5.85	63	162779	19.901	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	94407	19.451	ug/l 99
23) tert-Butyl Alcohol	4.78	59	20288	91.958	ug/l 100
24) Methyl tert-Butyl Ether	5.05	73	201539m	18.740	ug/l
25) Chloroform	7.37	83	159321	19.398	ug/l 94
26) Cyclohexane	7.65	56	147551	20.123	ug/l # 94
29) 1,1-Dichloropropene	7.79	75	123351	19.589	ug/l 97
30) 2-Butanone	6.84	43	165627	98.770	ug/l # 78
31) 2,2-Dichloropropane	6.83	77	122991	18.961	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	135022	19.165	ug/l 98
33) Carbon Tetrachloride	7.78	117	121156	19.336	ug/l 96
34) Benzene	8.04	78	367060	19.908	ug/l 99
35) Methacrylonitrile	7.20	41	58839m	25.582	ug/l
36) 1,2-Dichloroethane	8.12	62	117645	19.084	ug/l 99
37) Trichloroethene	8.84	130	91450	19.817	ug/l 88
38) Methylcyclohexane	9.08	83	150125	19.544	ug/l 99
39) 1,2-Dichloropropane	9.12	63	94559	19.267	ug/l 94
40) Dibromomethane	9.21	93	58187	19.234	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	119873	19.367	ug/l	96
42) Vinyl Acetate	5.90	43	935452	95.290	ug/l	100
43) Ethyl Acetate	6.84	43	165627	19.654	ug/l #	86
44) Isopropyl Acetate	8.16	43	131945	18.910	ug/l #	63
45) 1,4-Dioxane	9.20	88	11614	364.877	ug/l #	80
46) Methyl methacrylate	9.20	41	68025	19.586	ug/l	95
47) n-amyl Acetate	12.07	43	109146	17.257	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	117162	19.062	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	136713	19.271	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	76802	19.199	ug/l	95
51) Ethyl methacrylate	10.43	69	94030	18.187	ug/l	96
52) 1,3-Dichloropropane	10.71	76	135640	19.466	ug/l	98
53) Dibromochloromethane	10.90	129	82483	19.099	ug/l	97
54) 1,2-Dibromoethane	11.00	107	76833	18.940	ug/l	95
55) 2-Chloroethyl vinyl ether	9.69	63	273848	96.728	ug/l	100
56) Bromoform	12.13	173	45944	18.419	ug/l	99
58) 4-Methyl-2-Pentanone	9.98	43	351771	93.623	ug/l	99
59) 2-Hexanone	10.75	43	244213	94.399	ug/l	99
61) Tetrachloroethene	10.63	164	83582	21.918	ug/l	93
62) Toluene	10.16	91	395083	20.072	ug/l	99
64) Chlorobenzene	11.43	112	246213	19.736	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	85544	20.147	ug/l	97
66) Ethyl Benzene	11.51	91	421068	19.804	ug/l	100
67) m/p-Xylenes	11.62	106	327969	40.066	ug/l	96
68) o-Xylene	11.95	106	157914	20.234	ug/l	94
69) Styrene	11.96	104	247856	19.709	ug/l	96
70) Isopropylbenzene	12.25	105	412822	19.705	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	85062	18.459	ug/l	98
72) 1,2,3-Trichloropropane	12.55	75	66412m	16.391	ug/l	
73) Bromobenzene	12.52	156	94031	20.256	ug/l	91
74) n-propylbenzene	12.59	91	483578	19.821	ug/l	99
75) 2-Chlorotoluene	12.67	91	280455	19.939	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	335217	19.954	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	21513	16.969	ug/l	95
78) 4-Chlorotoluene	12.77	91	278902	19.691	ug/l	98
79) tert-butylbenzene	12.99	119	291412	19.914	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	332924	19.893	ug/l	99
81) sec-Butylbenzene	13.17	105	405096	20.115	ug/l	99
82) p-Isopropyltoluene	13.29	119	343566	20.187	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	171501	20.886	ug/l	93
84) 1,4-Dichlorobenzene	13.36	146	162765	20.023	ug/l	96
85) n-Butylbenzene	13.61	91	288142	19.561	ug/l	99
86) Hexachloroethane	13.87	117	55720	19.401	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	163123	20.909	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12414	19.701	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	63737	20.126	ug/l	96
90) Hexachlorobutadiene	15.01	225	39592	22.851	ug/l	95
91) Naphthalene	15.13	128	142271	19.491	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	57572	20.859	ug/l	97

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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

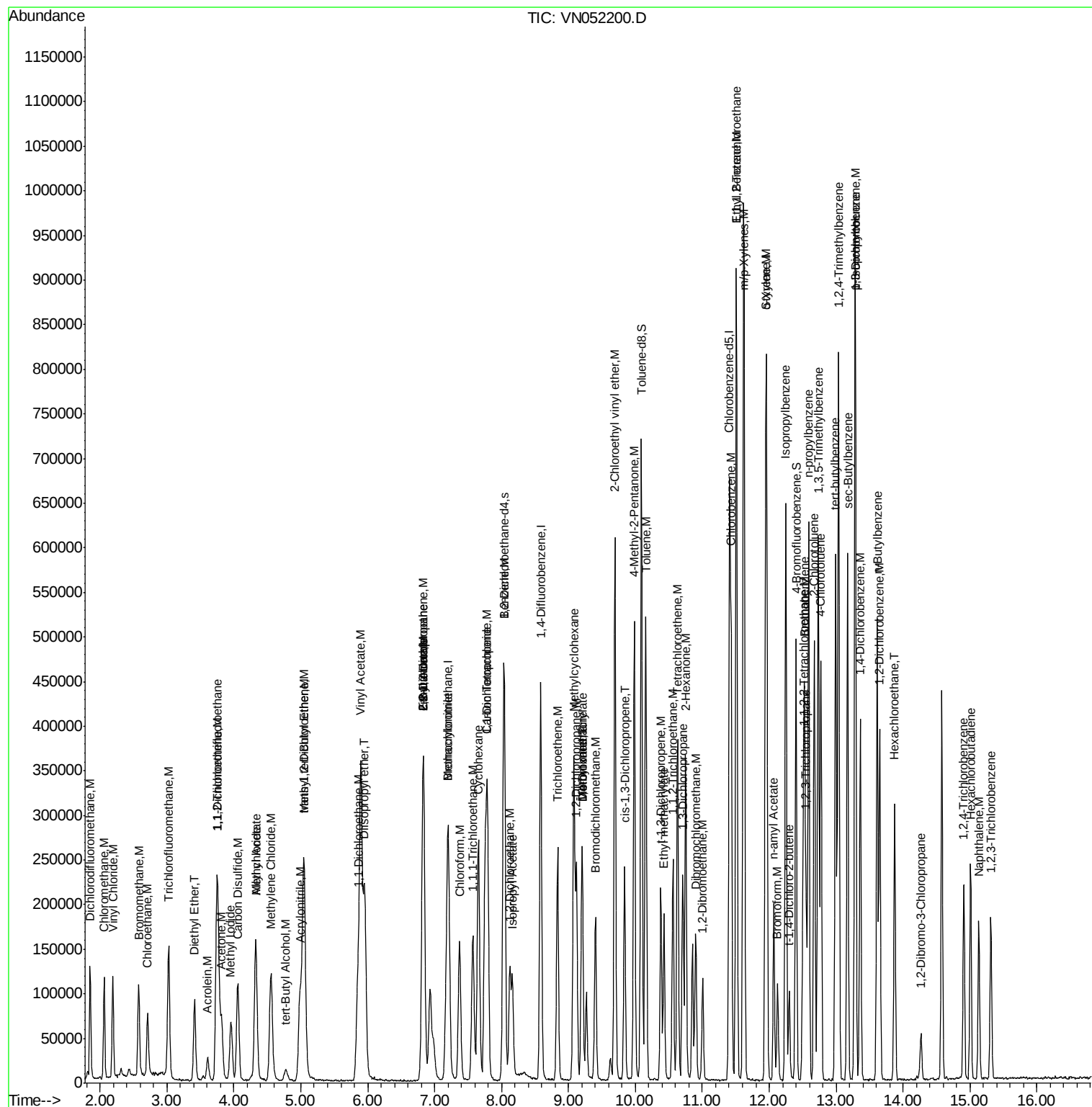
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Data File : VN052200.D
Acq On : 7 Nov 2018 11:24
Operator : MD\SY
Sample : VN1107WBS01
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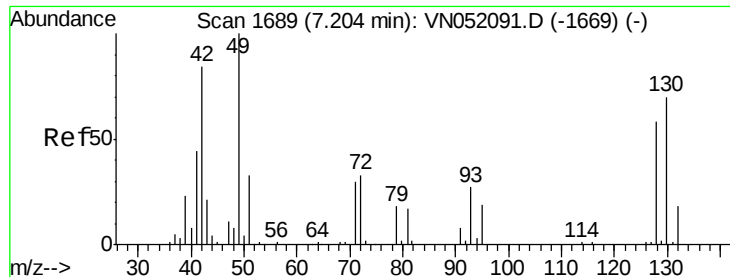
Instrument :
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Manual Integrations
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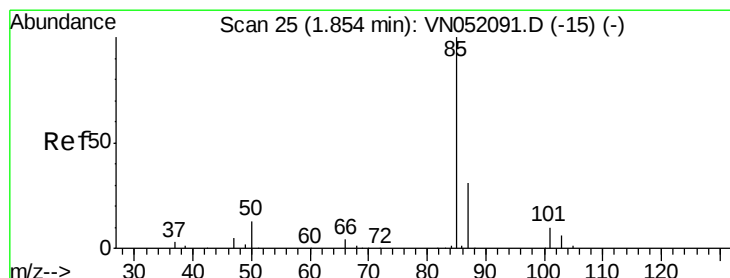
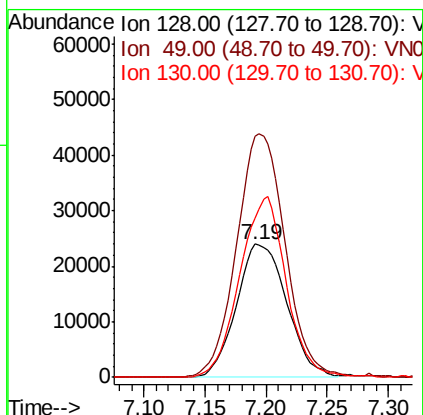
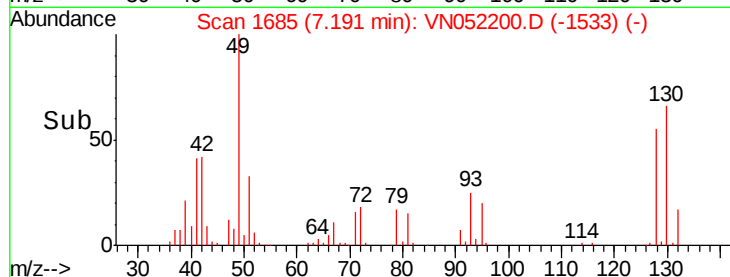
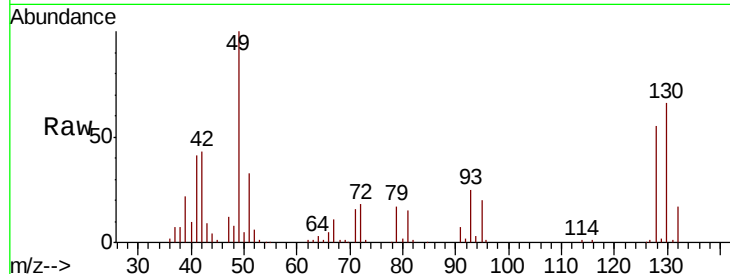
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.01 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	176.2	0.0	453.7
130	124.7	0.0	308.8

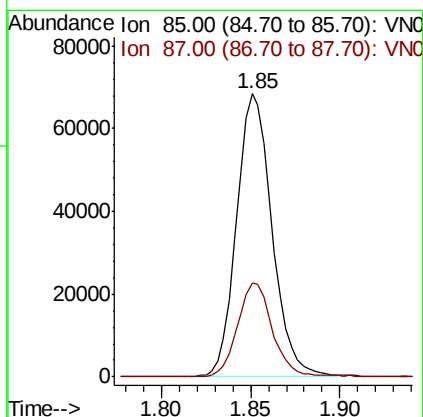
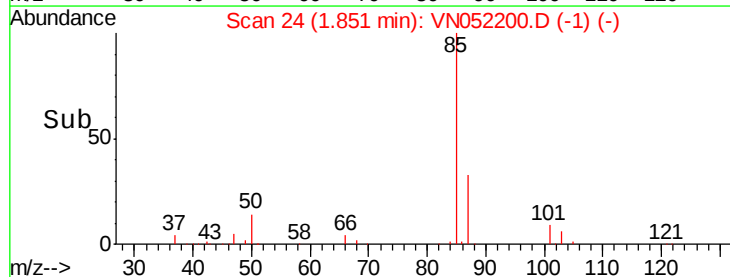
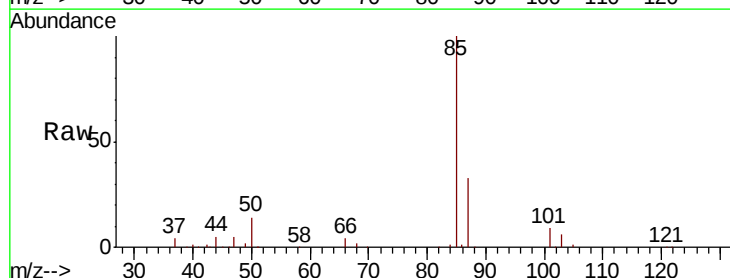
Manual Integrations
 APPROVED

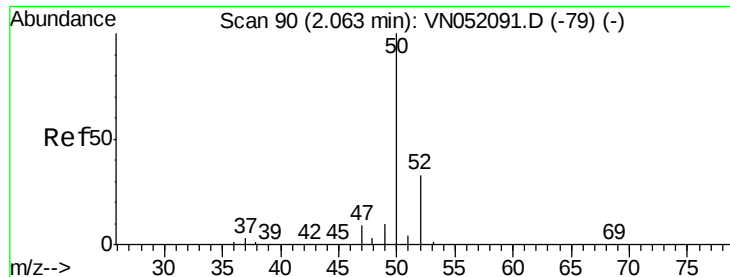
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 11/8/2018 9:13:52 AM



#2
 Dichlorodifluoromethane
 Concen: 20.766 ug/l
 RT: 1.85 min Scan# 24
 Delta R.T. -0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.2	15.7	47.1





#3

Chloromethane

Concen: 19.916 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 50 Resp: 104284

Ion Ratio Lower Upper

50 100

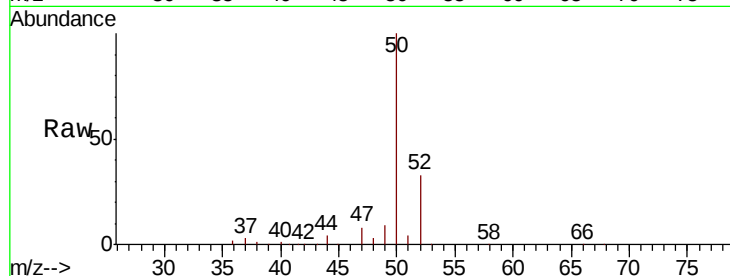
52 32.7 26.5 39.7

Manual Integrations

APPROVED

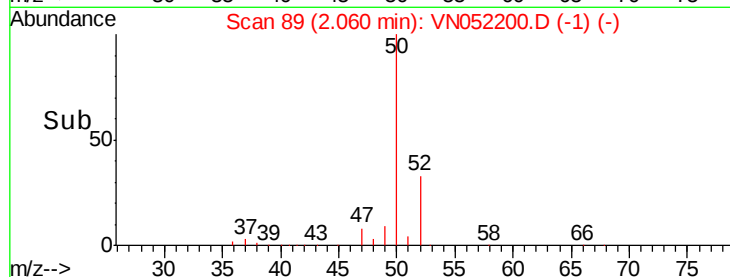
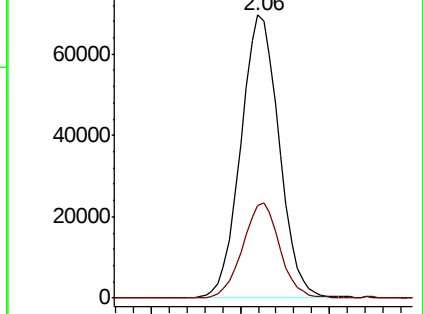
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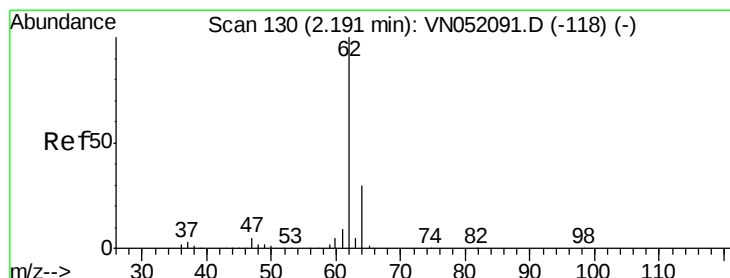


Abundance Ion 50.00 (49.70 to 50.70): VN052200.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VN052200.D (-1) (-)



Time-->



#4

Vinyl Chloride

Concen: 19.775 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052200.D

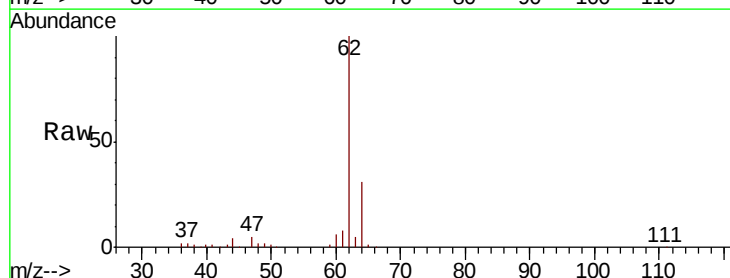
Acq: 7 Nov 2018 11:24

Tgt Ion: 62 Resp: 101577

Ion Ratio Lower Upper

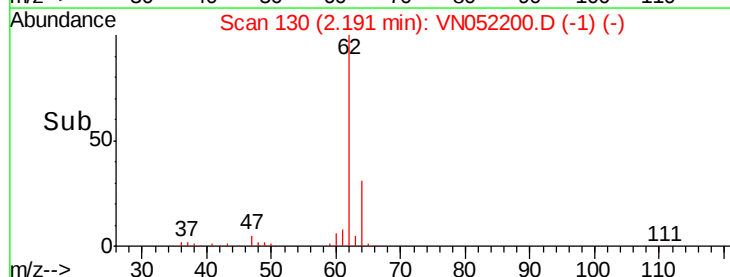
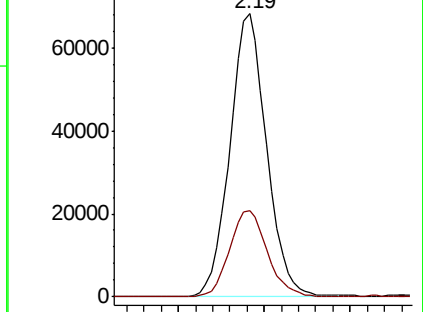
62 100

64 30.8 24.2 36.4

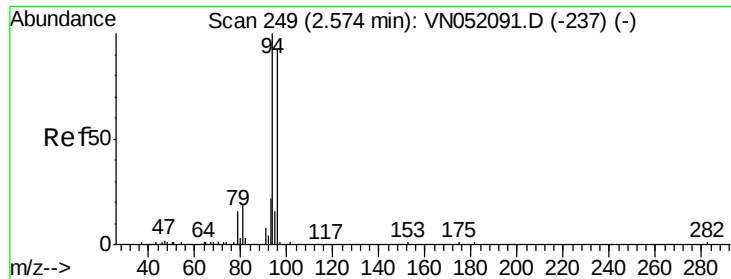


Abundance Ion 62.00 (61.70 to 62.70): VN052200.D (-1) (-)

Ion 64.00 (63.70 to 64.70): VN052200.D (-1) (-)



Time-->



#5

Bromomethane

Concen: 19.616 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 94 Resp: 68778

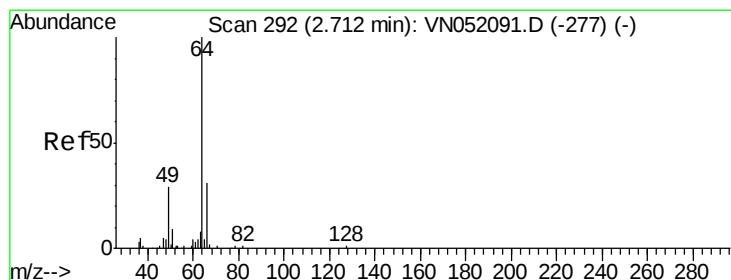
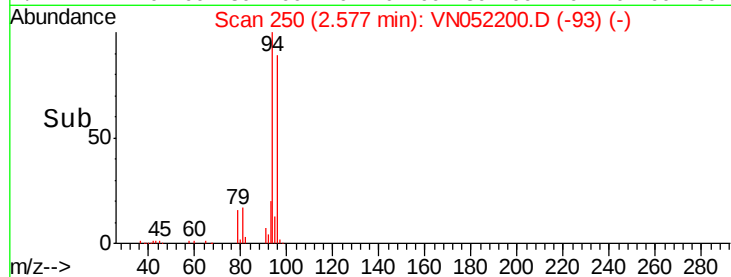
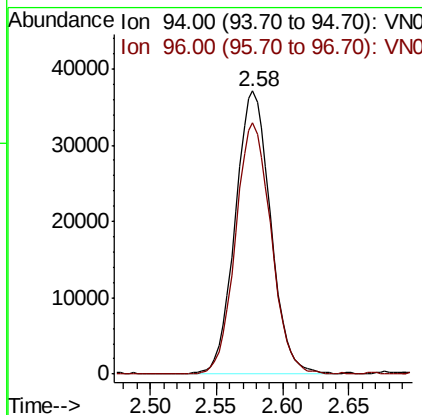
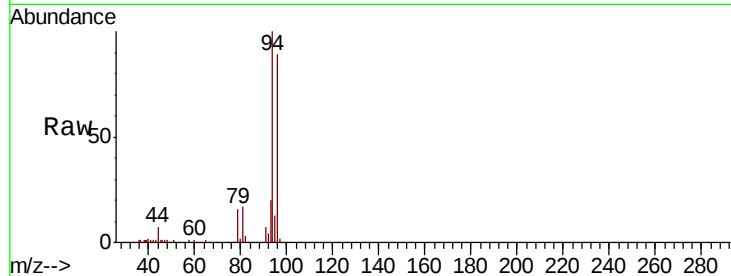
Ion Ratio Lower Upper

94 100

96 88.8 73.4 110.0

Manual Integrations
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#6

Chloroethane

Concen: 18.442 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052200.D

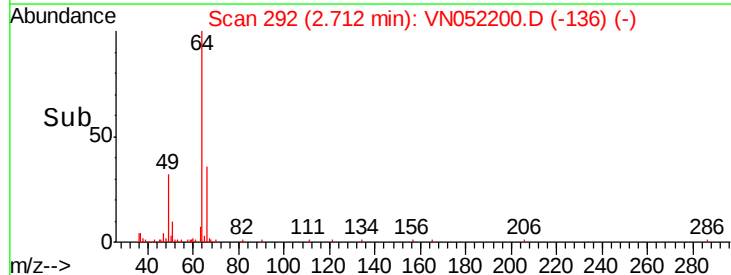
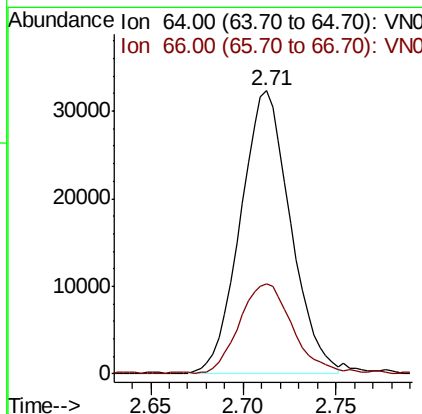
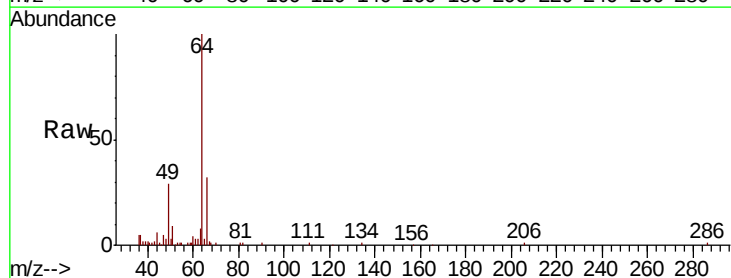
Acq: 7 Nov 2018 11:24

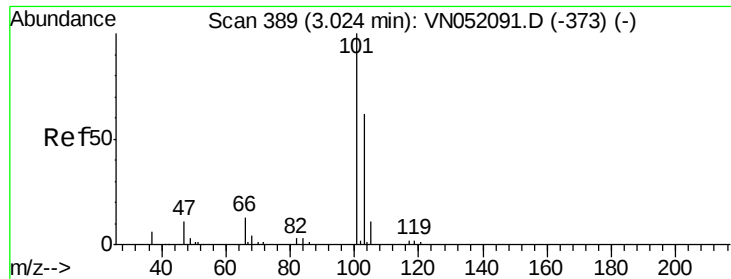
Tgt Ion: 64 Resp: 60572

Ion Ratio Lower Upper

64 100

66 31.5 24.7 37.1





#7

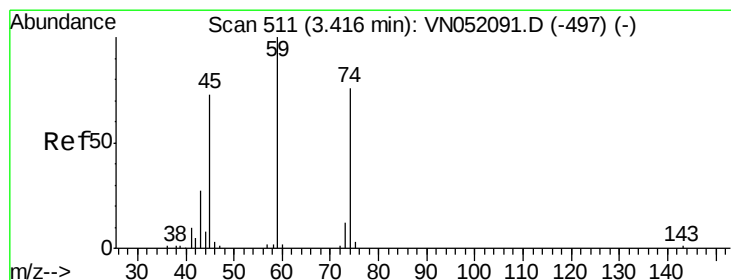
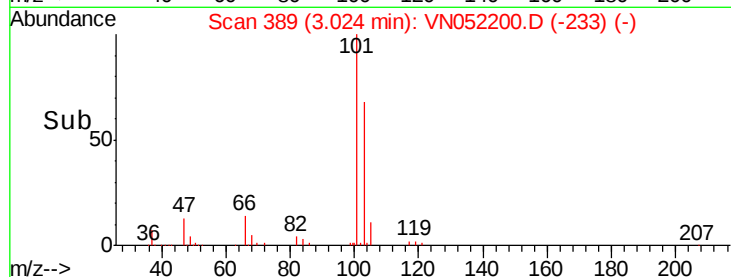
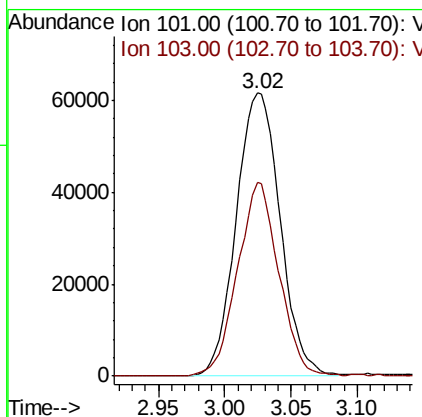
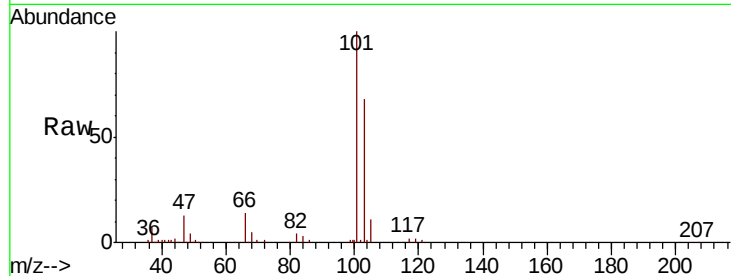
Trichlorofluoromethane
Concen: 20.389 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.1	49.5	74.3

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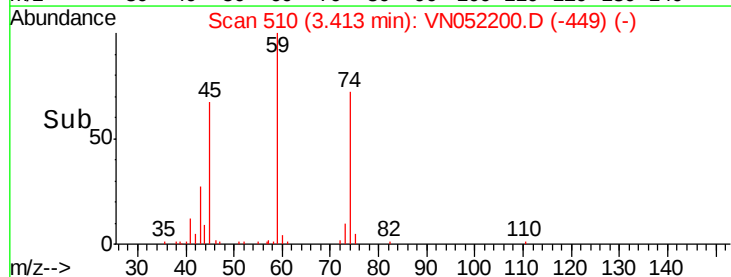
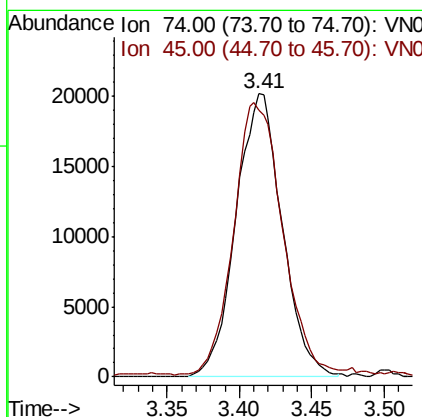
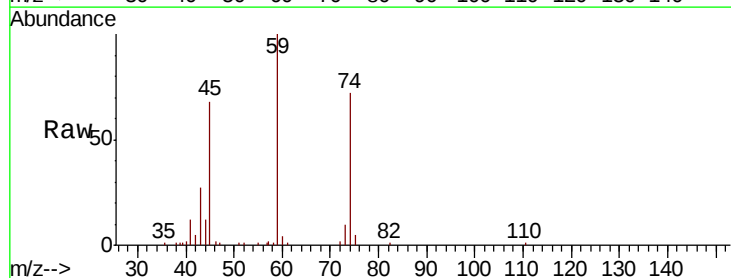
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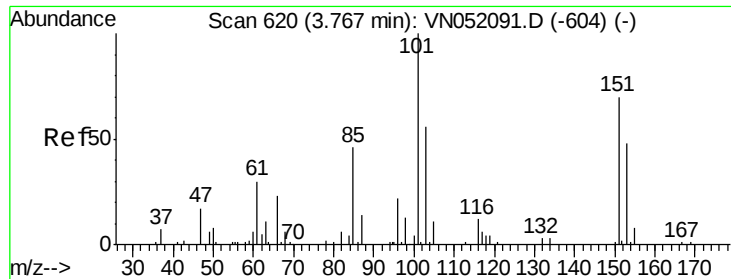


#8

Diethyl Ether
Concen: 19.045 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.256 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

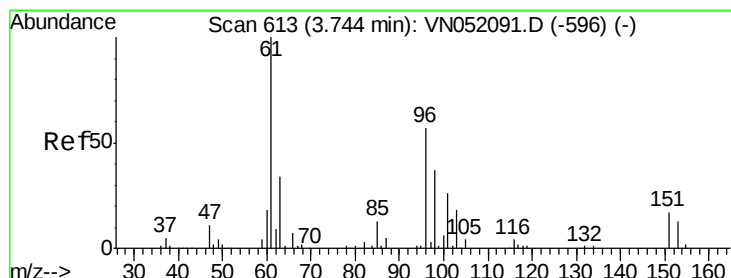
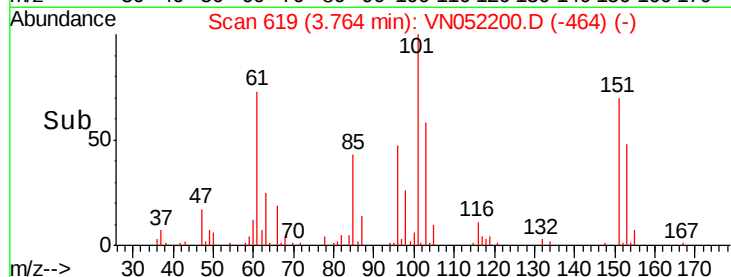
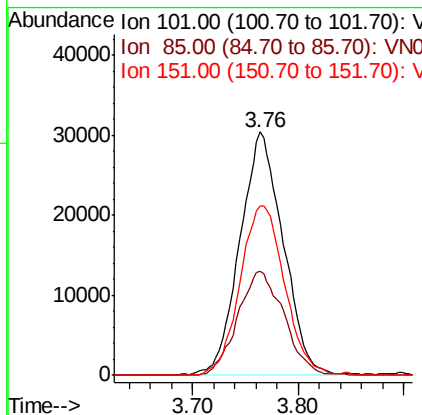
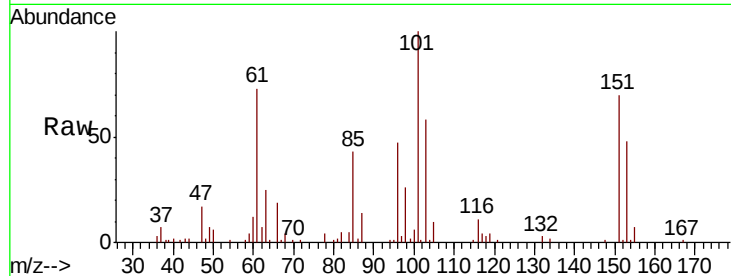
ClientSampleId :

VN1107WBS01

Tot Ion:	101	Resp:	86417
Ion Ratio	Lower	Upper	
101	100		
85	45.6	0.0	98.0
151	71.9	0.0	139.6

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 19.974 ug/l

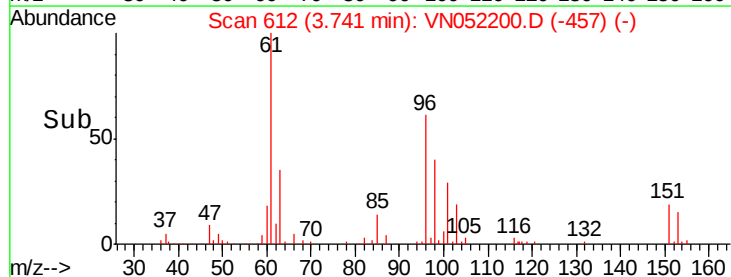
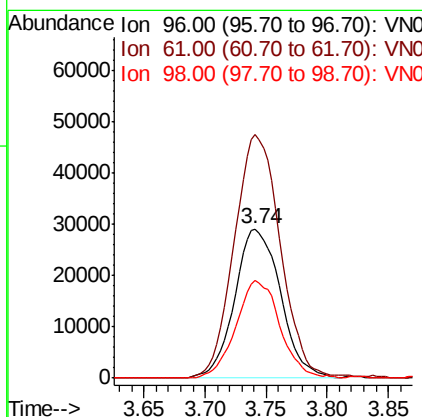
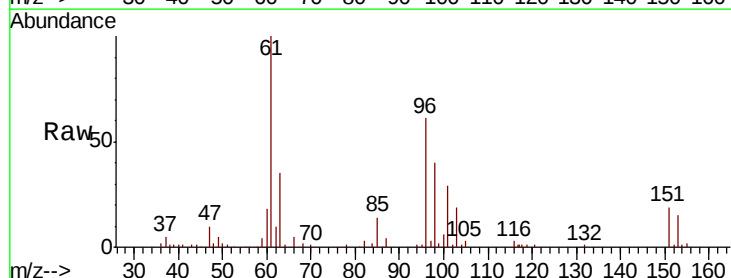
RT: 3.74 min Scan# 612

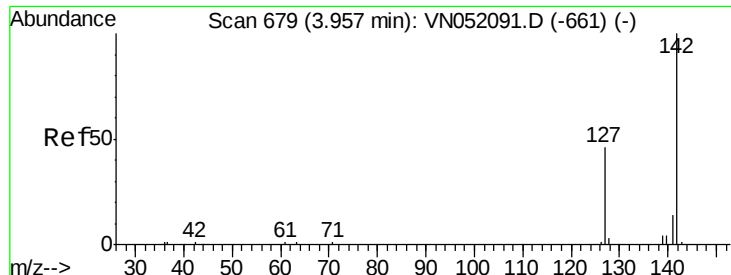
Delta R.T. -0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Tgt Ion:	96	Resp:	75772
Ion Ratio	Lower	Upper	
96	100		
61	162.4	140.3	210.5
98	65.1	52.0	78.0





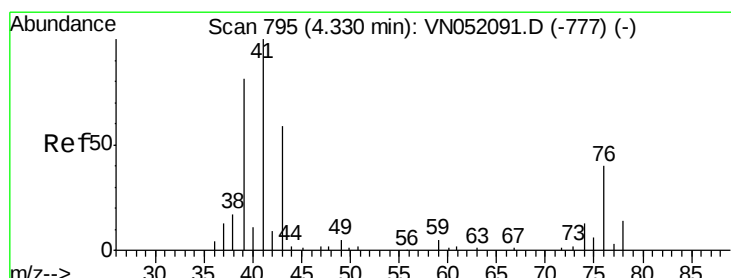
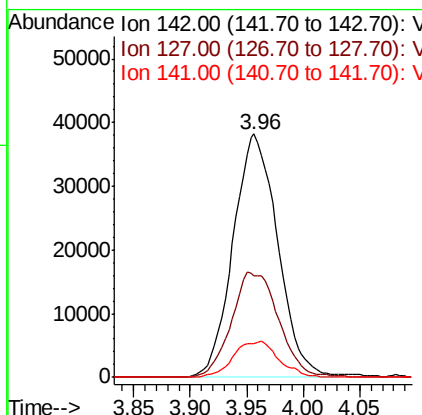
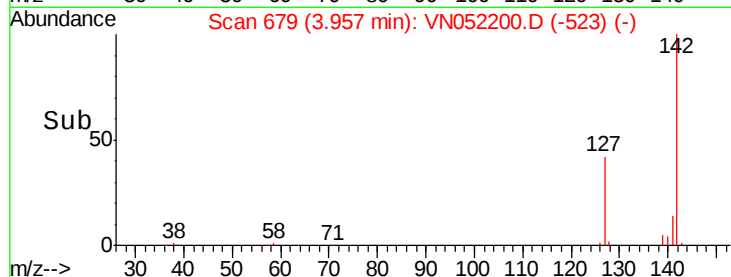
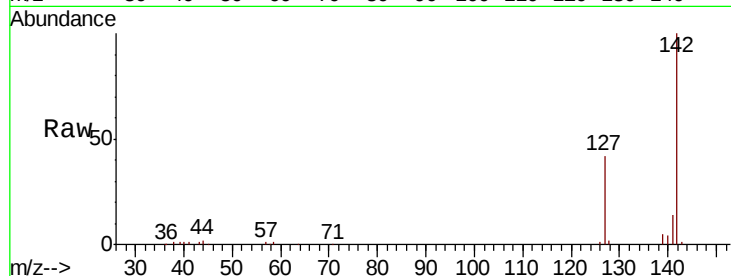
#11
Methyl Iodide
Concen: 19.120 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	23.1	69.2
141	13.8	7.0	20.9

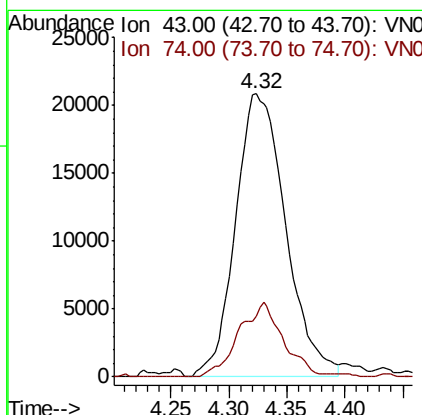
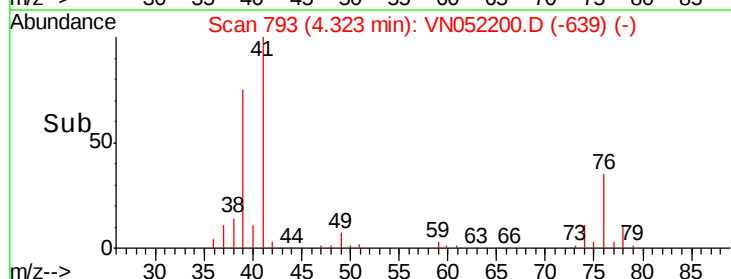
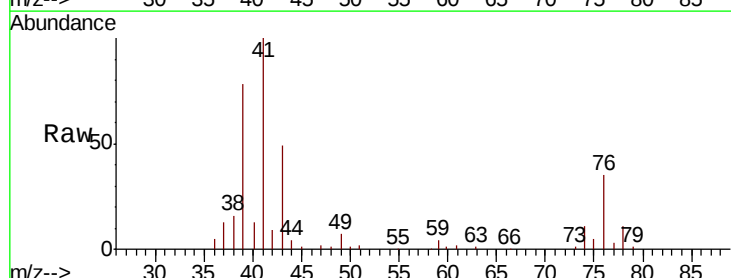
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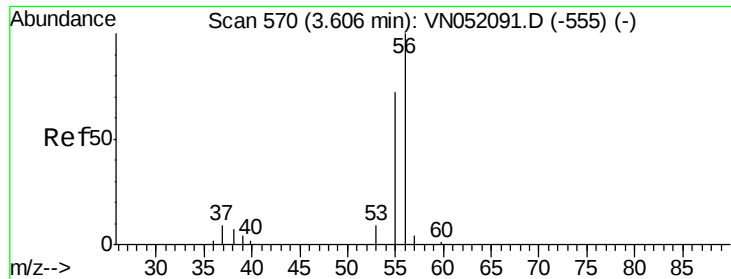
MMDadoda
11/8/2018 9:13:52 AM



#12
Methyl Acetate
Concen: 19.648 ug/l
RT: 4.32 min Scan# 793
Delta R.T. -0.01 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.4	26.2





#13

Acrolein

Concen: 84.192 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampled :

VN1107WBS01

Tot Ion: 56 Resp: 28514

Ion Ratio Lower Upper

56 100

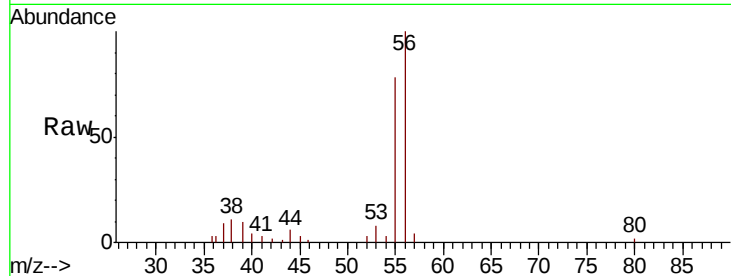
55 76.1 56.2 84.2

Manual Integrations

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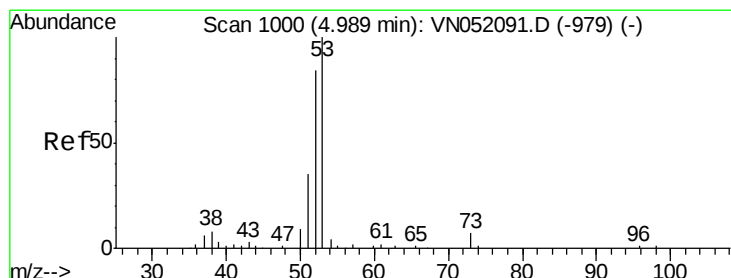
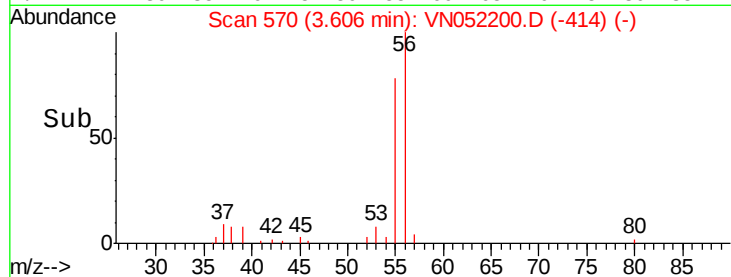
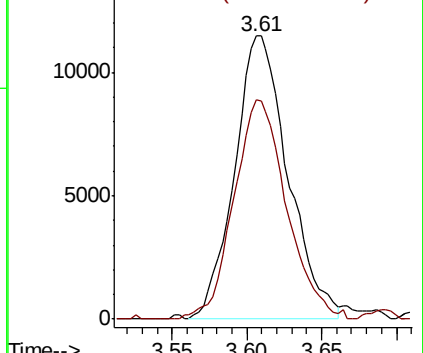
MMDadoda

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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: 91.480 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.01 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

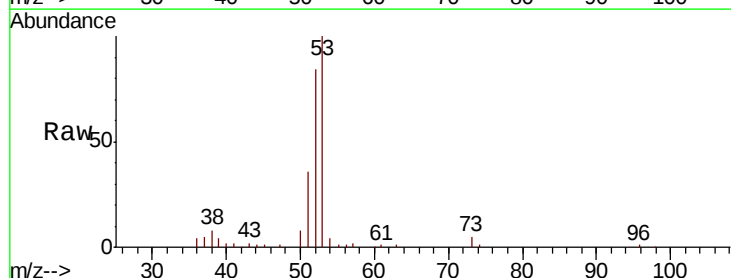
Tgt Ion: 53 Resp: 129536

Ion Ratio Lower Upper

53 100

52 83.9 41.3 124.1

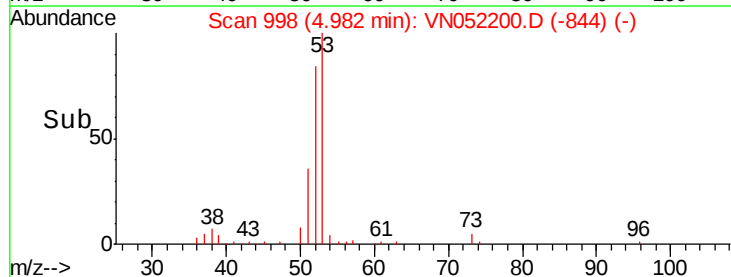
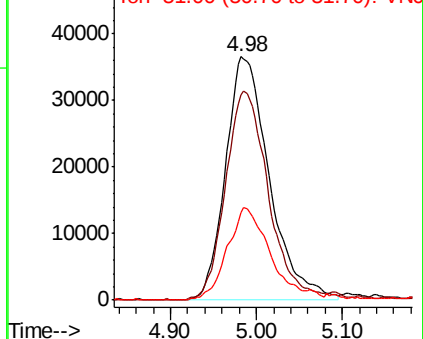
51 34.8 18.6 55.6

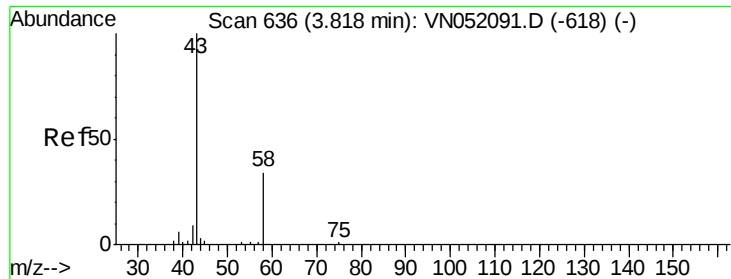


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 102.500 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 58 Resp: 34303

Ion Ratio Lower Upper

58 100

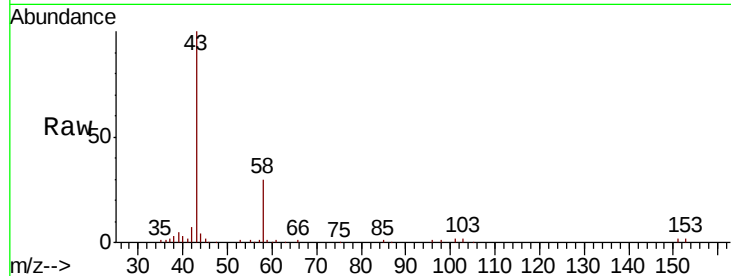
43 333.9 234.7 352.1

Manual Integrations

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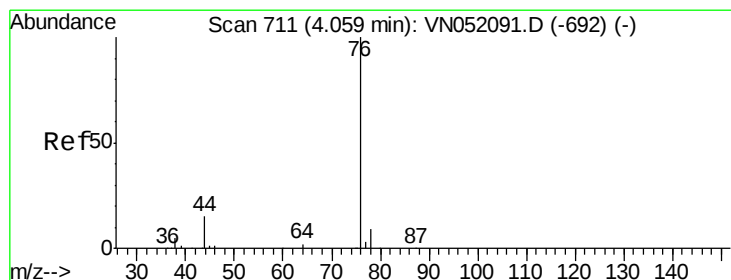
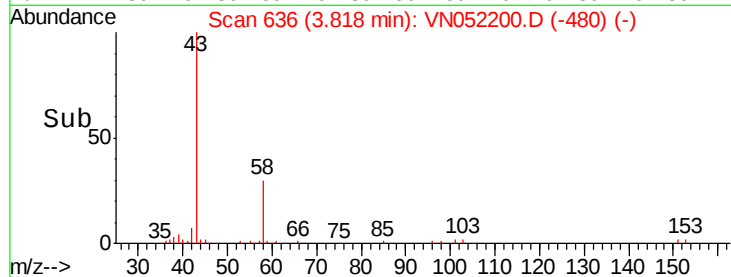
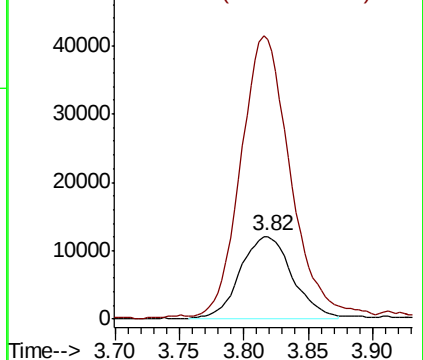
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN052091.D (-618) (-)

Ion 43.00 (42.70 to 43.70): VN052091.D (-618) (-)



#16

Carbon Disulfide

Concen: 19.076 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN052200.D

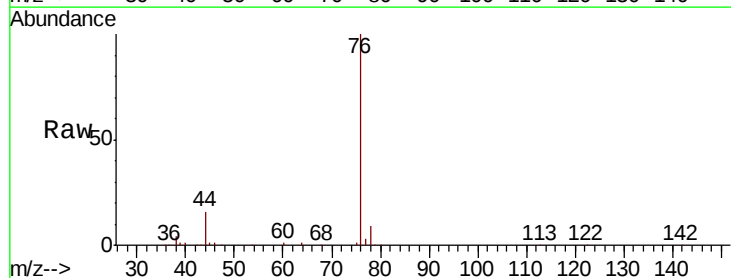
Acq: 7 Nov 2018 11:24

Tgt Ion: 76 Resp: 213665

Ion Ratio Lower Upper

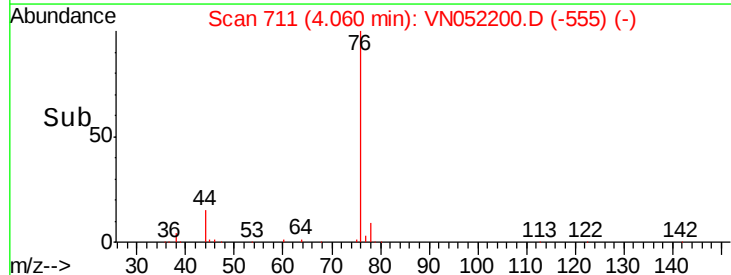
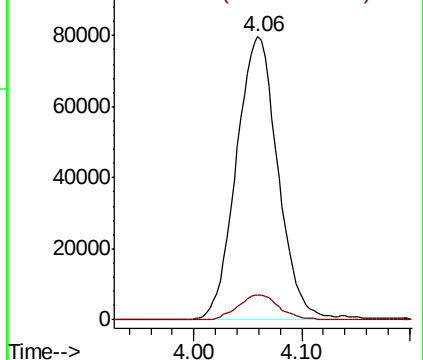
76 100

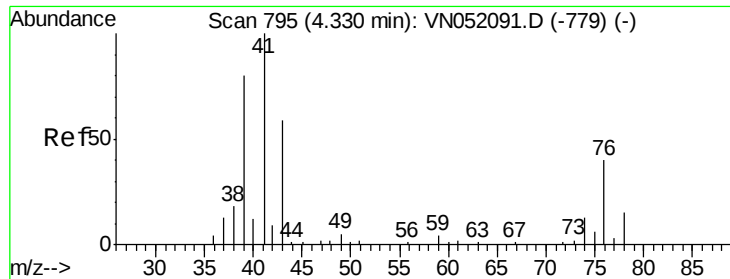
78 8.9 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN052091.D (-692) (-)

Ion 78.00 (77.70 to 78.70): VN052091.D (-692) (-)





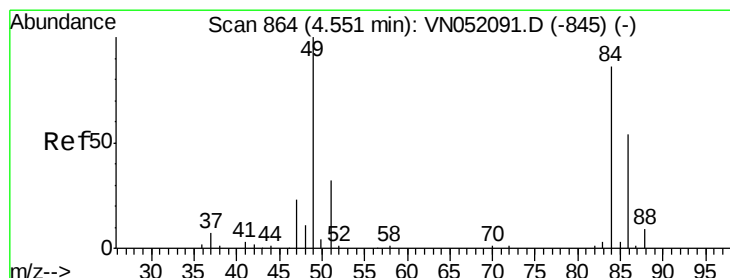
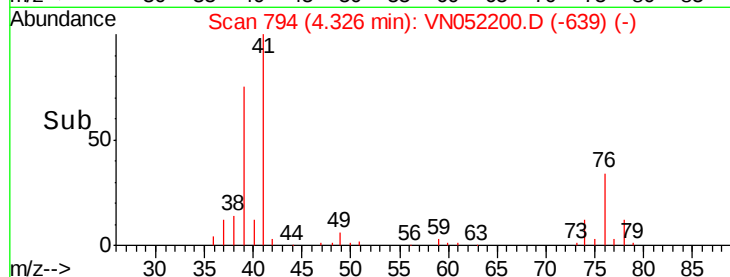
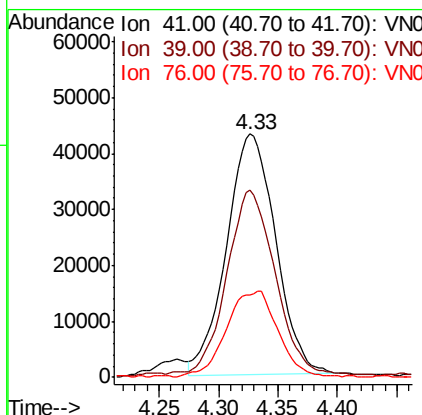
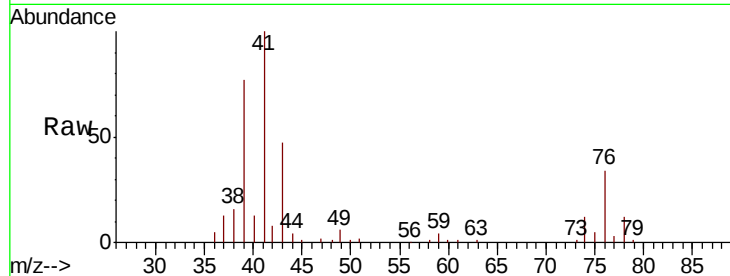
#17
Allvl chloride
Concen: 19.175 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	76.3	38.4	115.1
76	33.9	18.8	56.3

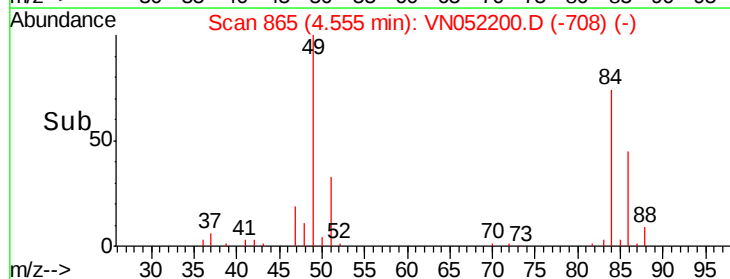
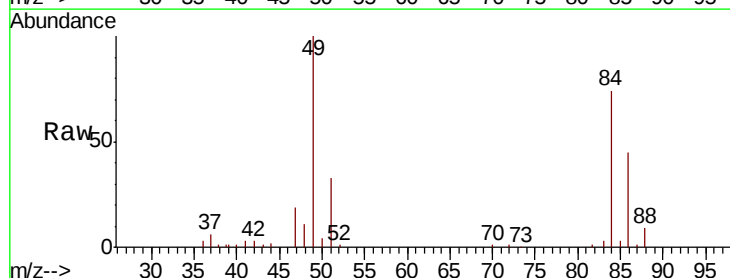
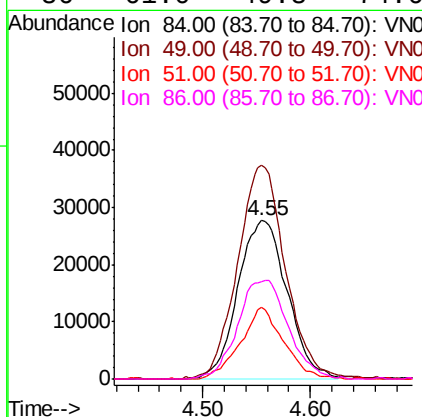
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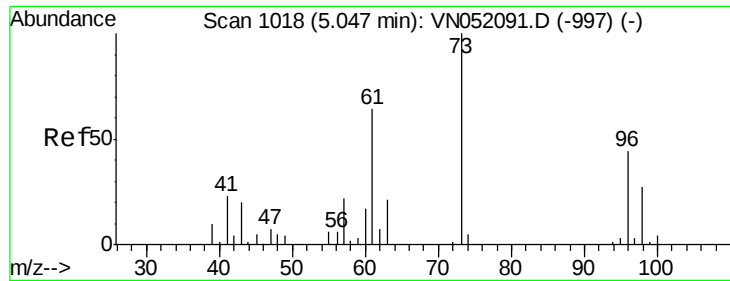
MMDadoda
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#18
Methylene Chloride
Concen: 18.821 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
84	100		
49	133.8	92.6	138.8
51	44.9	29.7	44.5#
86	61.0	49.8	74.6





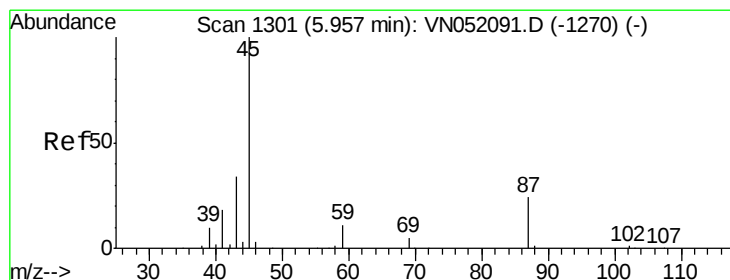
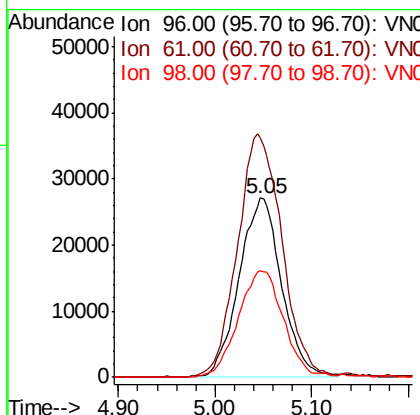
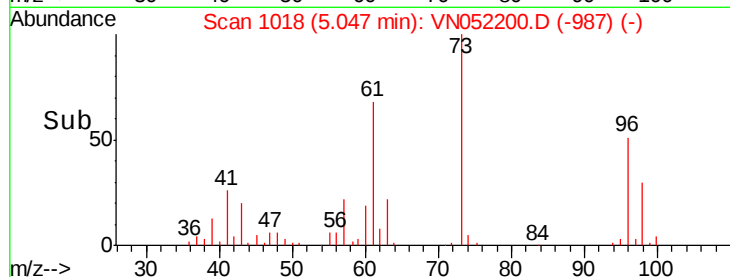
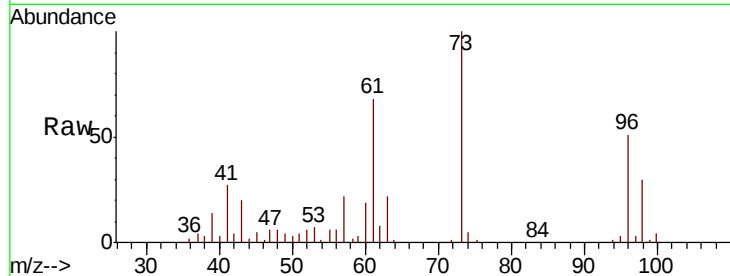
#19
trans-1,2-Dichloroethene
Concen: 19.897 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.7	117.8	176.6
98	59.4	49.3	73.9

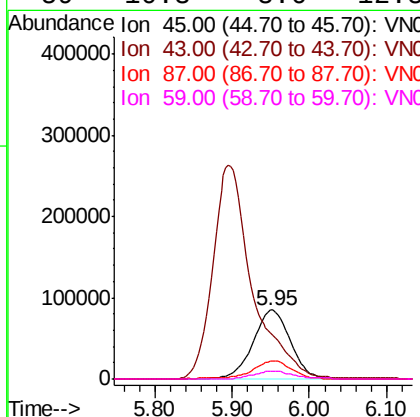
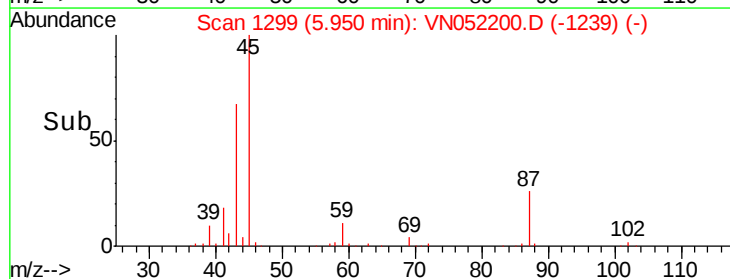
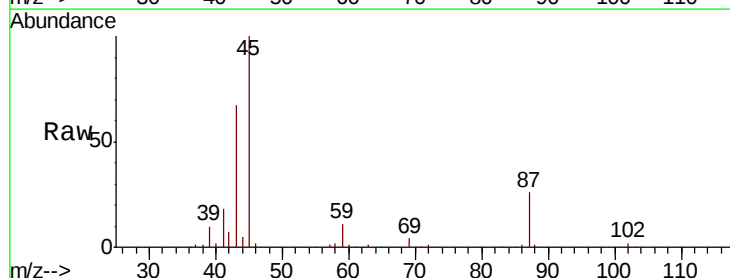
Manual Integrations
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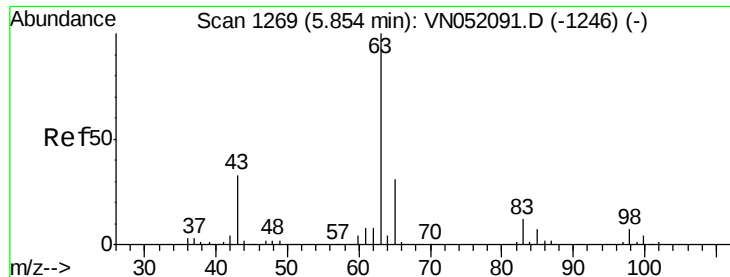
MMDadoda
11/8/2018 9:13:52 AM



#20
Diisopropyl ether
Concen: 20.414 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
45	100		
43	64.3	49.4	74.0
87	26.2	20.3	30.5
59	10.3	8.6	12.8





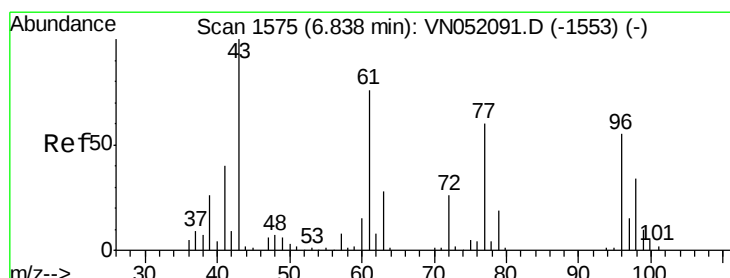
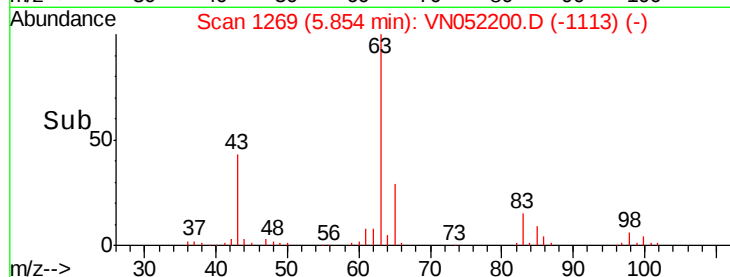
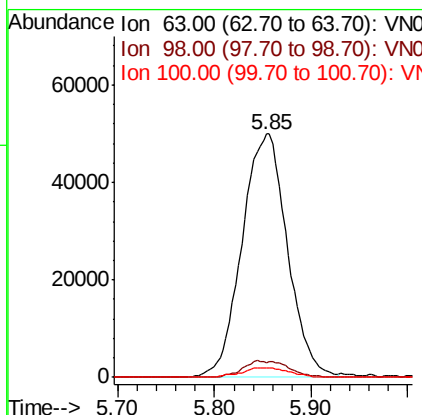
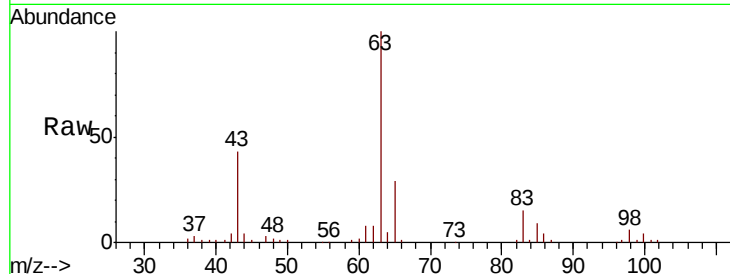
#21
 1,1-Dichloroethane
 Concen: 19.901 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	162779		
98	6.2		3.4	10.1
100	3.8		2.0	5.8

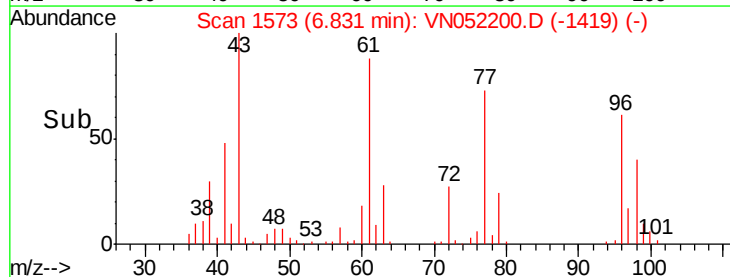
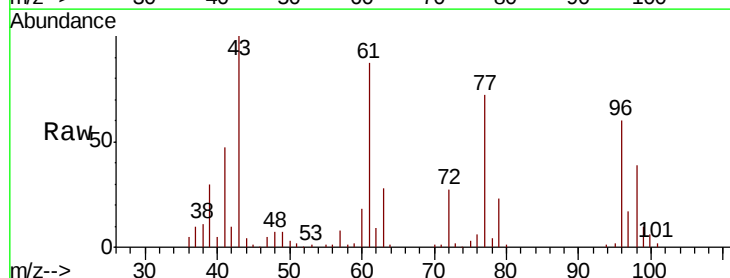
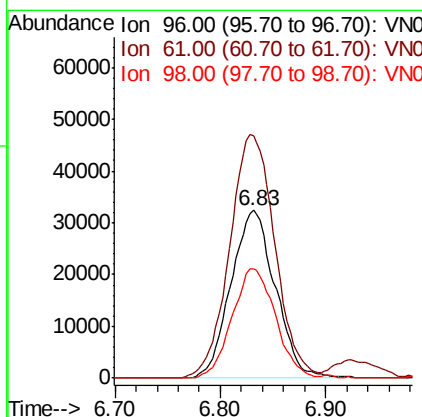
Manual Integrations
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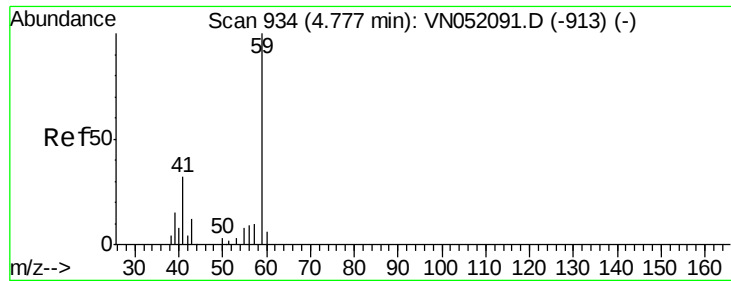
MMDadoda
 11/8/2018 9:13:52 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.451 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	94407		
61	148.3		117.6	176.4
98	63.7		51.0	76.4





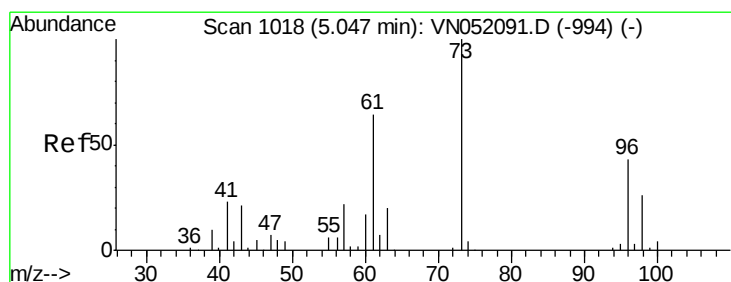
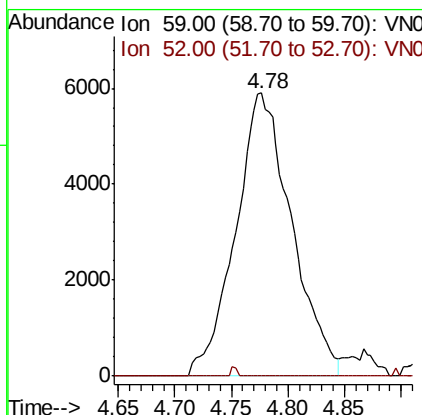
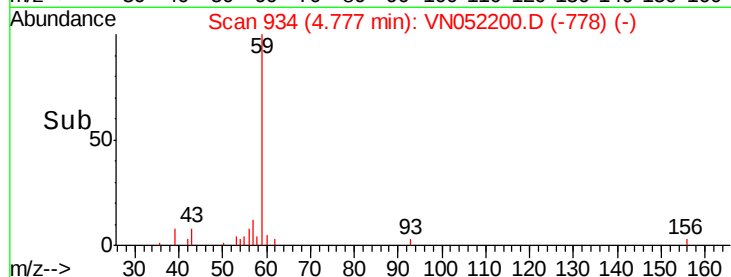
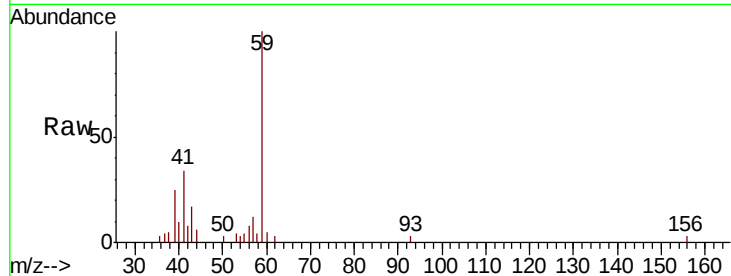
#23
tert-Butyl Alcohol
Concen: 91.958 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion: 59 Resp: 20288
Ion Ratio Lower Upper
59 100
52 0.3 0.3 0.5

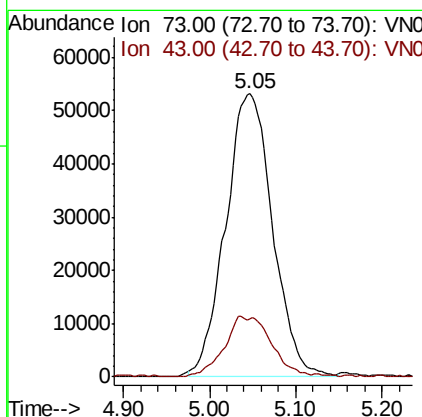
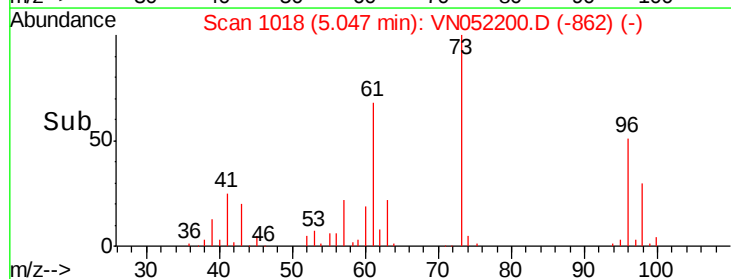
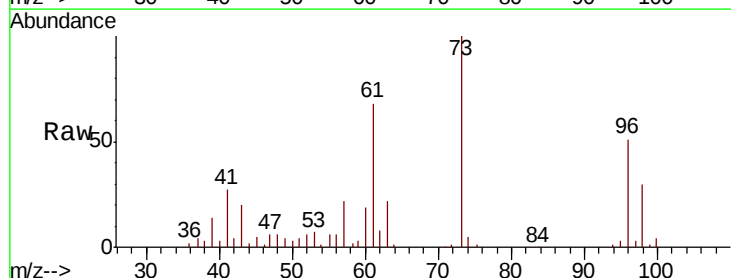
Manual Integrations
APPROVED

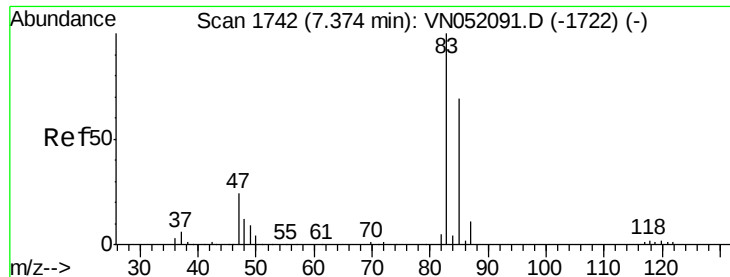
MMDadoda
11/8/2018 9:13:52 AM



#24
Methyl tert-Butyl Ether
Concen: 18.740 ug/l m
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion: 73 Resp: 201539
Ion Ratio Lower Upper
73 100
43 0.0 17.4 26.2#





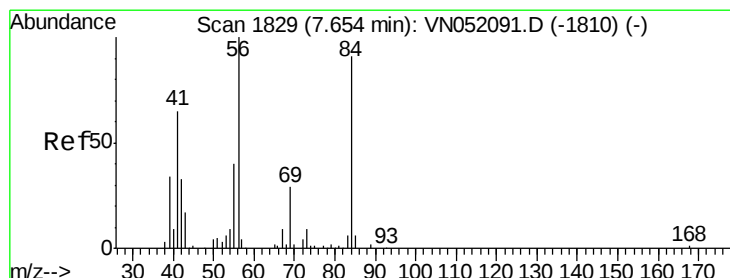
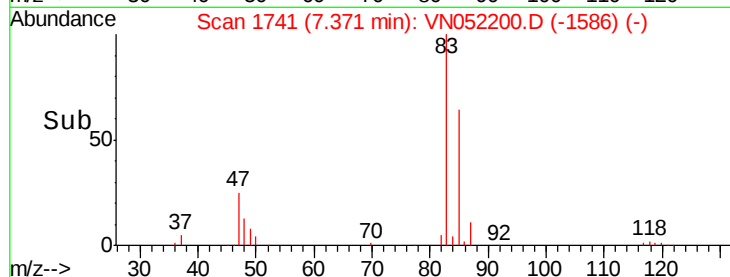
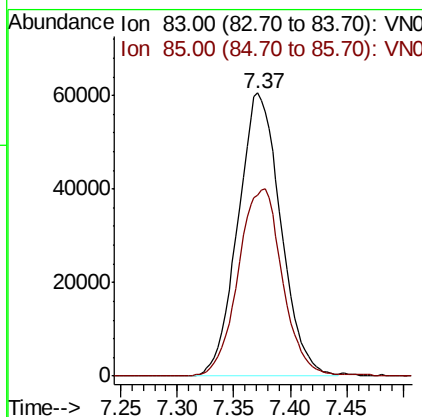
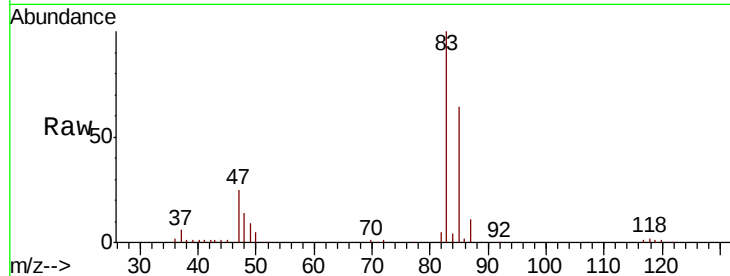
#25
Chloroform
Concen: 19.398 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	83	Resp	159321
Ion Ratio	100	Lower	Upper
83	100		
85	63.7	54.9	82.3

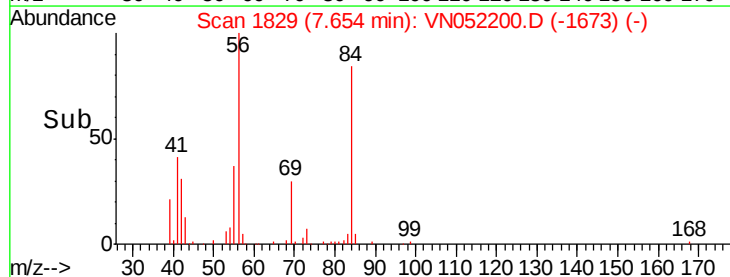
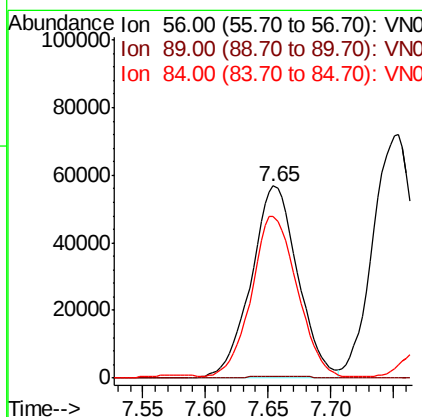
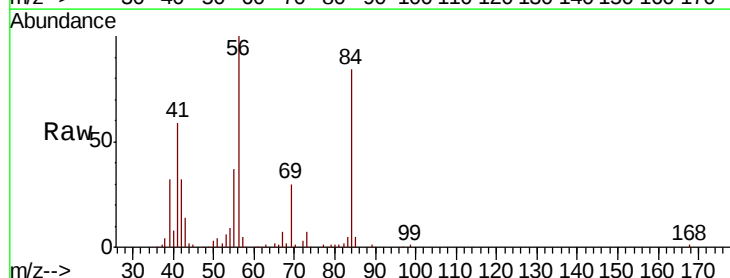
Manual Integrations
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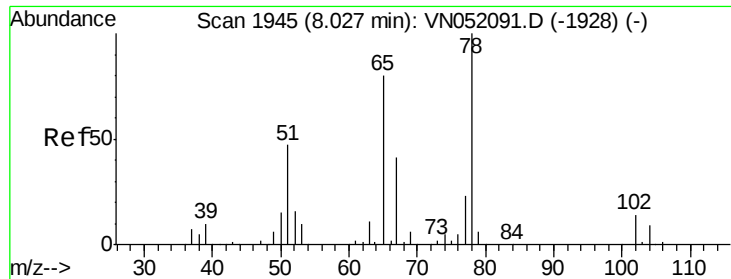
MMDadoda
11/8/2018 9:13:52 AM



#26
Cyclohexane
Concen: 20.123 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	56	Resp	147551
Ion Ratio	100	Lower	Upper
56	100		
89	0.4	2.2	3.2#
84	83.4	71.0	106.6





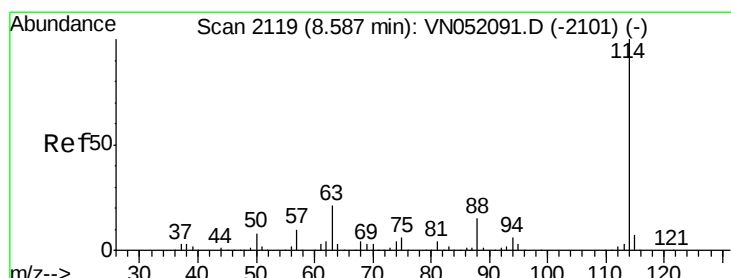
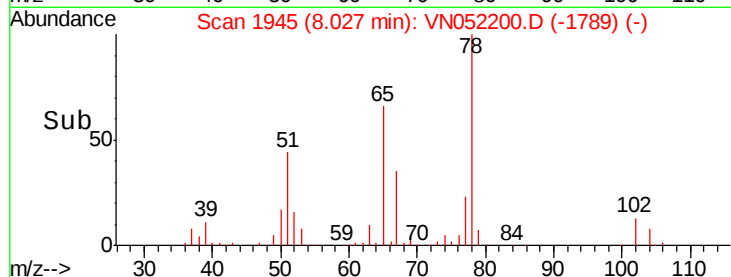
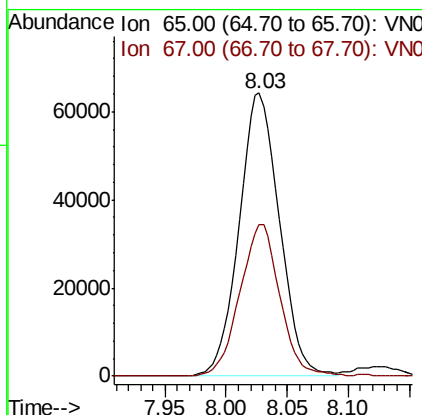
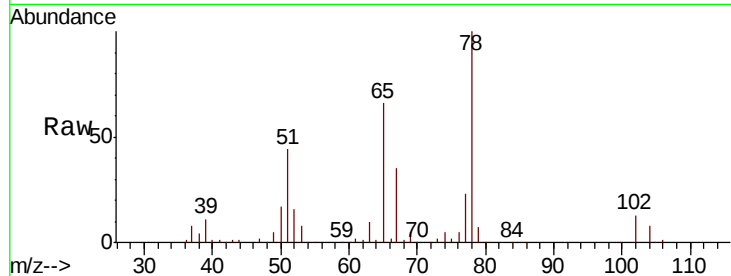
#27
 1,2-Dichloroethane-d4
 Concen: 20.123 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.0	42.6	64.0

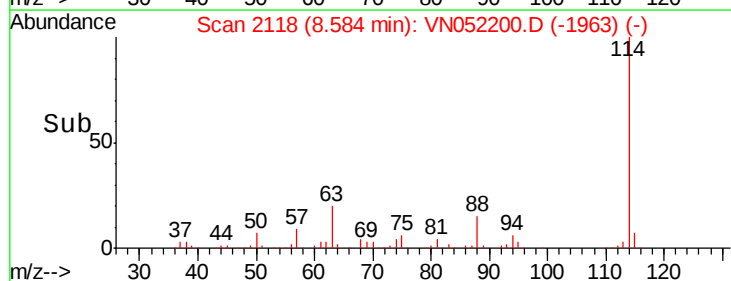
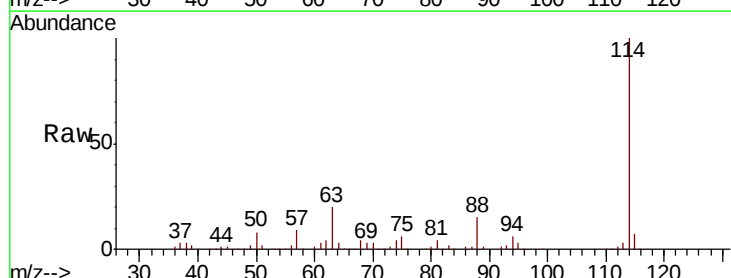
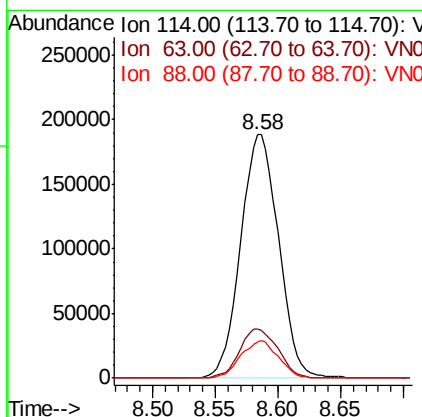
Manual Integrations
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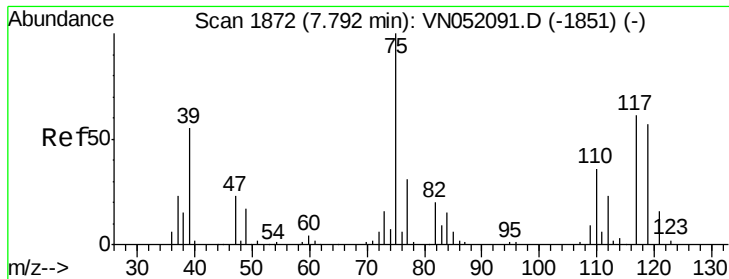
MMDadoda
 11/8/2018 9:13:52 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.6	17.5	26.3
88	15.4	12.6	18.8





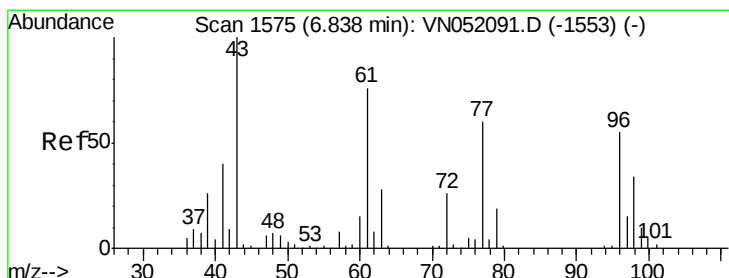
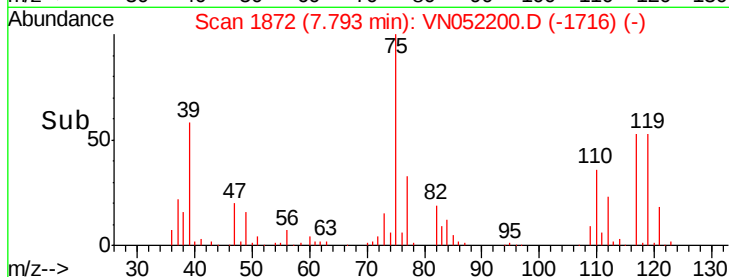
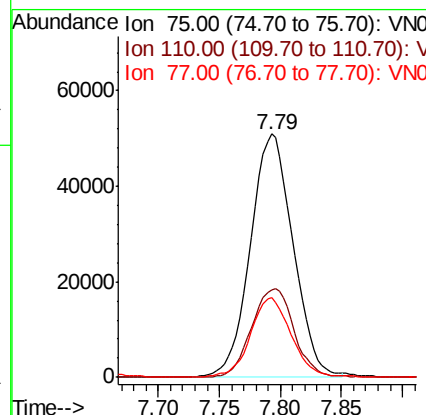
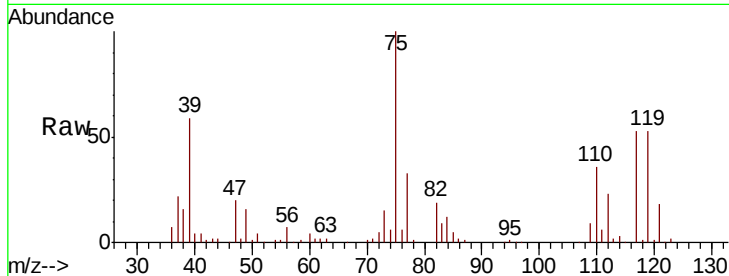
#29
 1,1-Dichloropropene
 Concen: 19.589 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.0	0.0	67.6
77	31.4	0.0	60.2

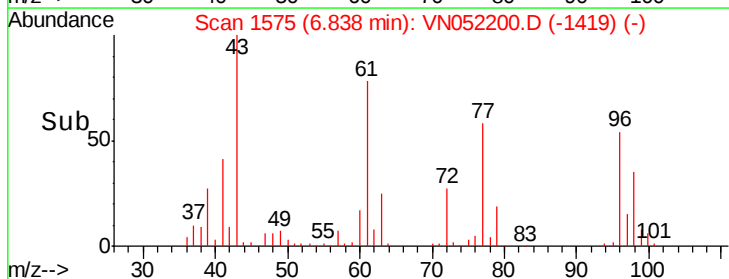
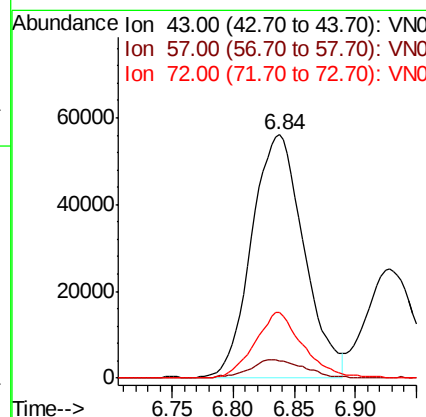
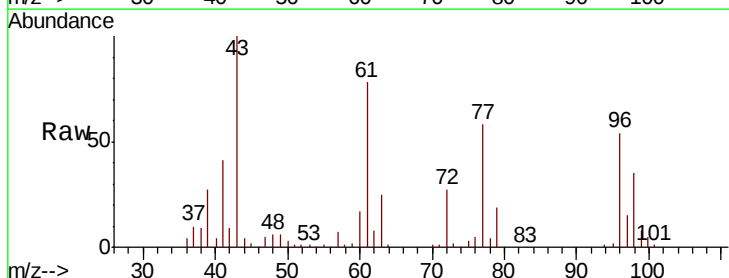
Manual Integrations
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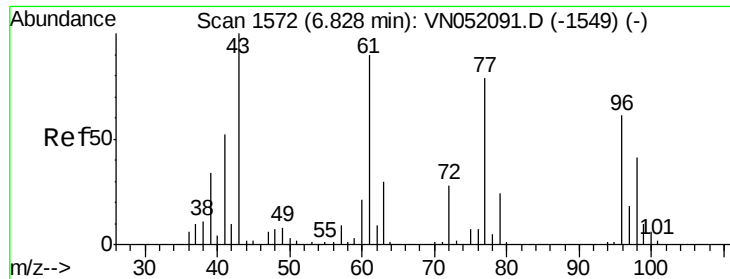
MMDadoda
 11/8/2018 9:13:52 AM



#30
 2-Butanone
 Concen: 98.770 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	7.0	6.6	9.8
72	25.1	9.2	13.8#





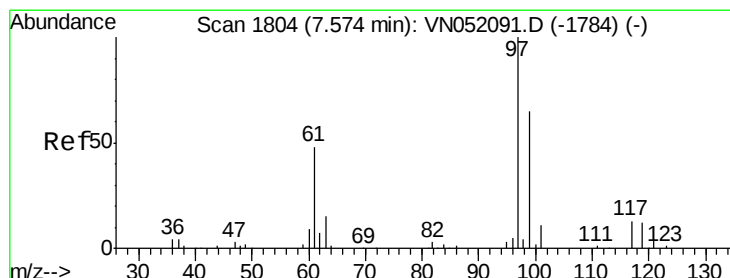
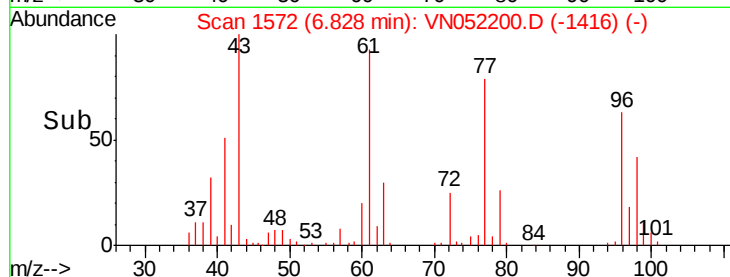
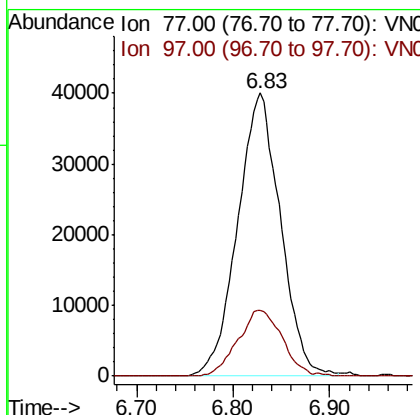
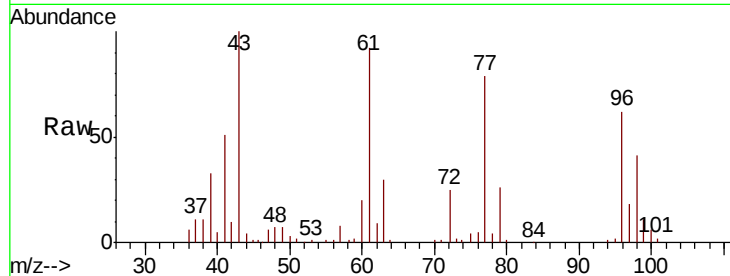
#31
 2,2-Dichloropropane
 Concen: 18.961 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion: 77 Resp: 122991
 Ion Ratio Lower Upper
 77 100
 97 24.0 18.2 27.2

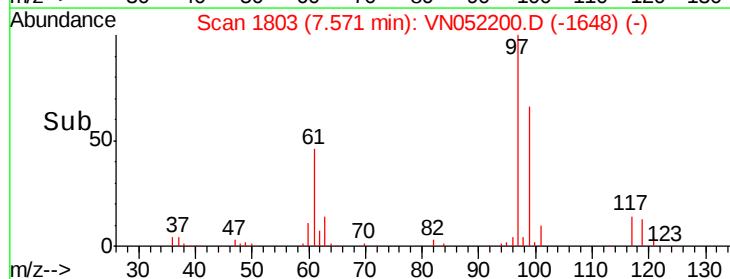
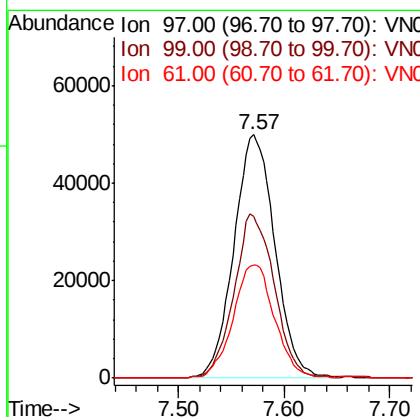
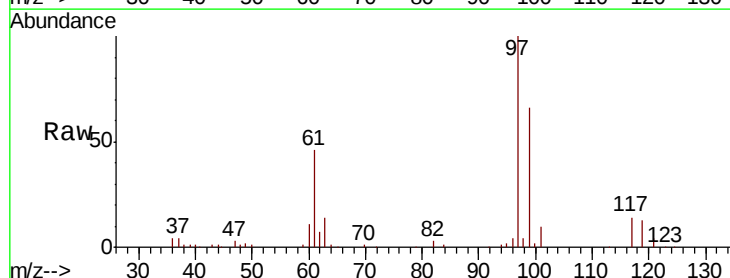
Manual Integrations
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 11/8/2018 9:13:52 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.165 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion: 97 Resp: 135022
 Ion Ratio Lower Upper
 97 100
 99 65.8 51.7 77.5
 61 46.9 38.7 58.1





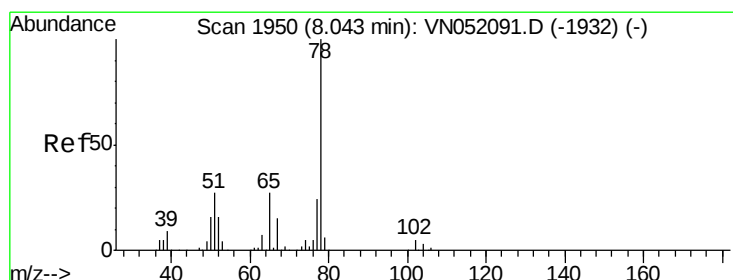
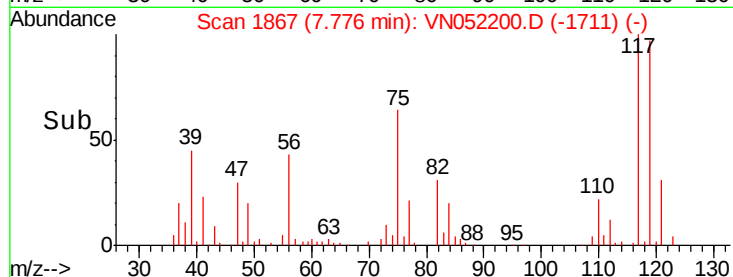
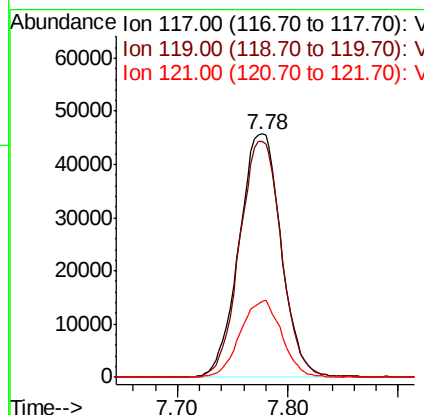
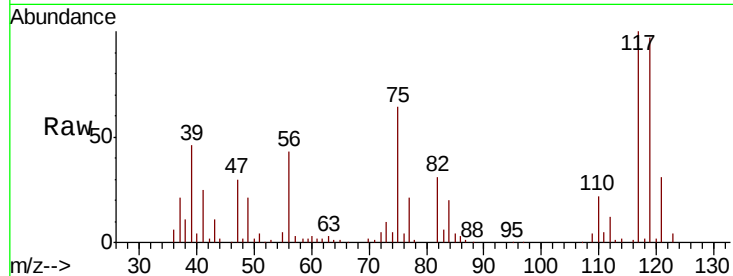
#33
Carbon Tetrachloride
Concen: 19.336 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.0	74.7	112.1
121	31.3	23.4	35.0

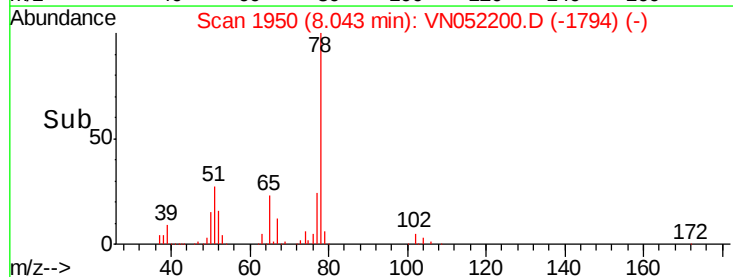
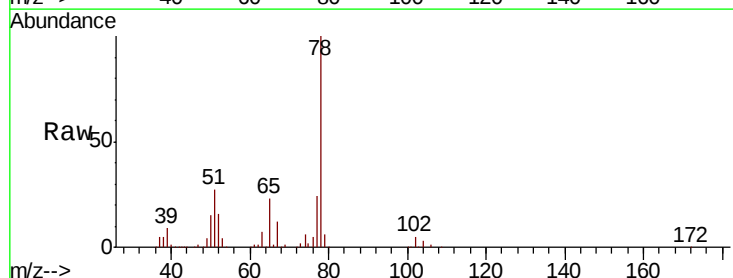
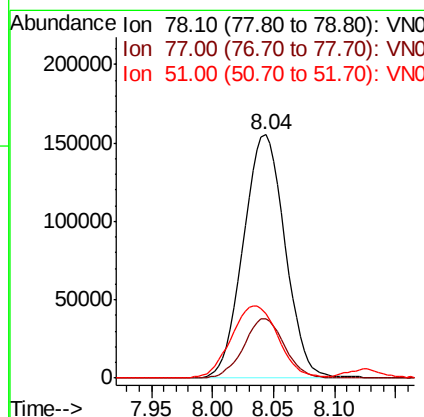
Manual Integrations
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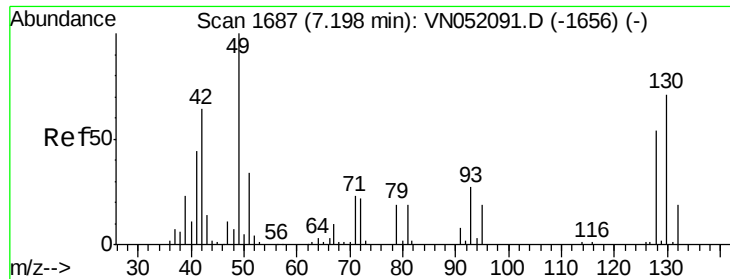
MMDadoda
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#34
Benzene
Concen: 19.908 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.1	28.7
51	26.3	21.2	31.8





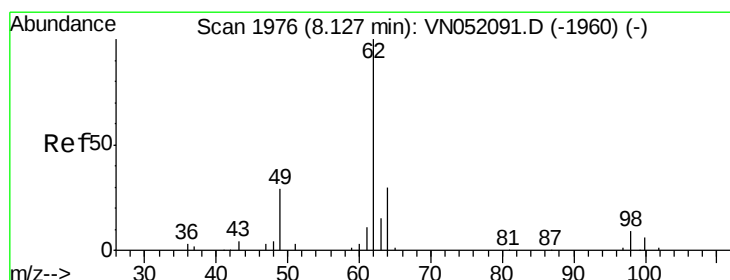
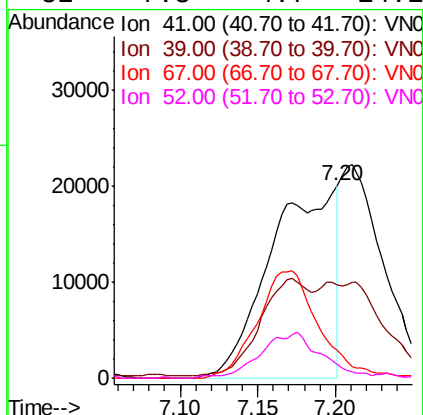
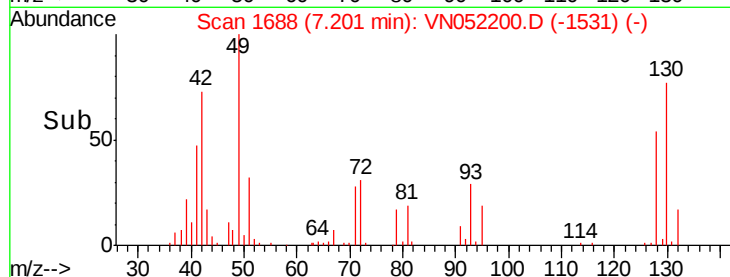
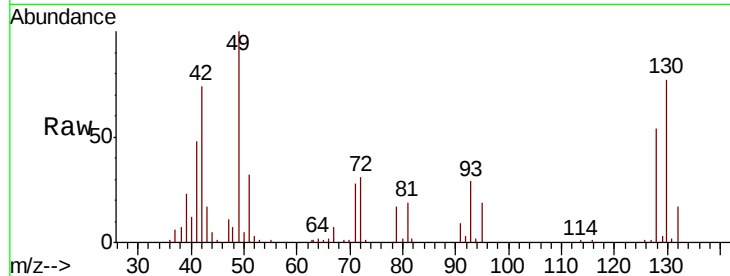
#35
Methacrylonitrile
Concen: 25.582 ug/l m
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion: 41 Resp: 58839
Ion Ratio Lower Upper
41 100
39 48.4 26.1 78.3
67 14.8 11.0 33.0
52 7.3 4.7 14.1

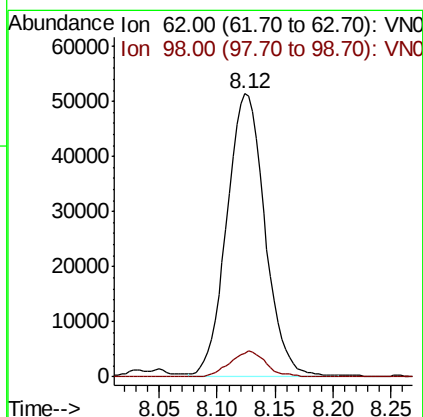
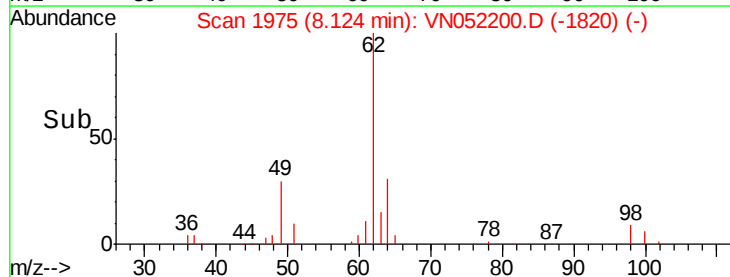
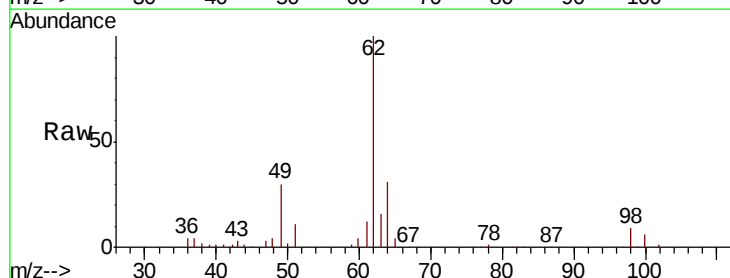
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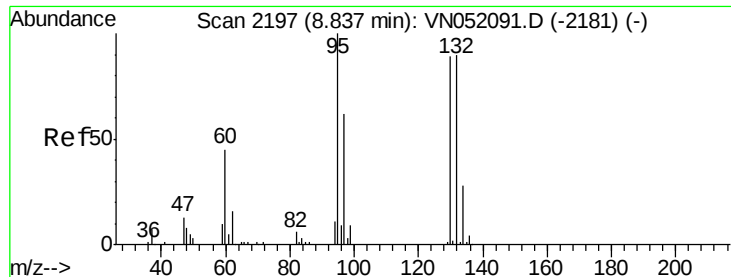
MMDadoda
11/8/2018 9:13:52 AM



#36
1,2-Dichloroethane
Concen: 19.084 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion: 62 Resp: 117645
Ion Ratio Lower Upper
62 100
98 8.6 6.7 10.1





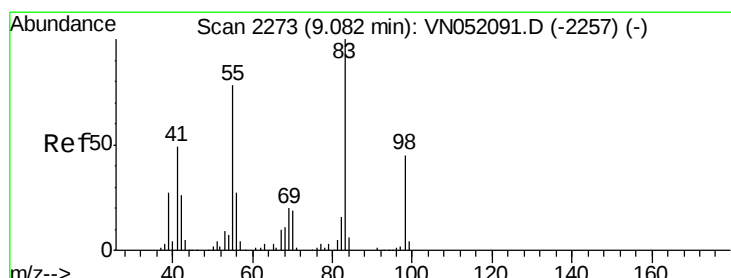
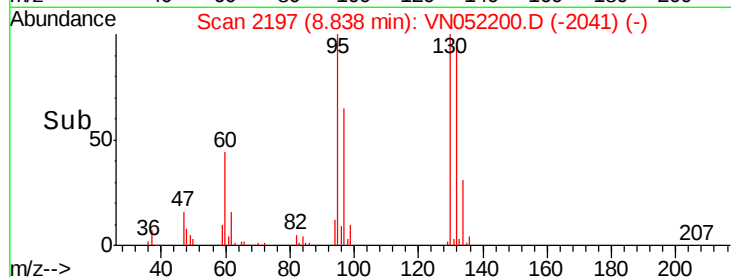
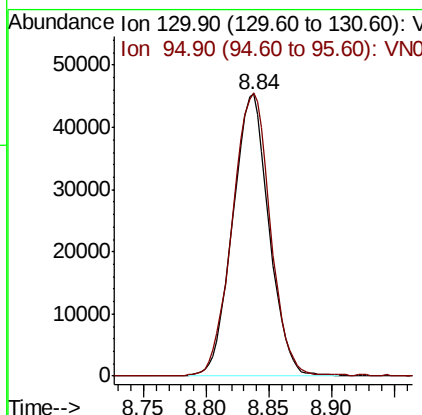
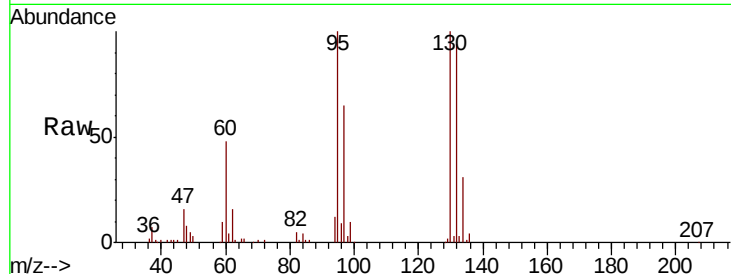
#37
 Trichloroethene
 Concen: 19.817 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
130	100		
95	100.0	89.9	134.9

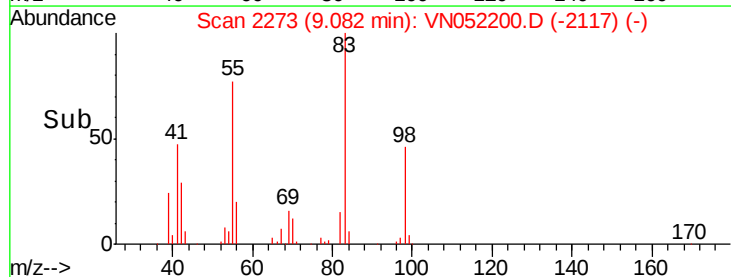
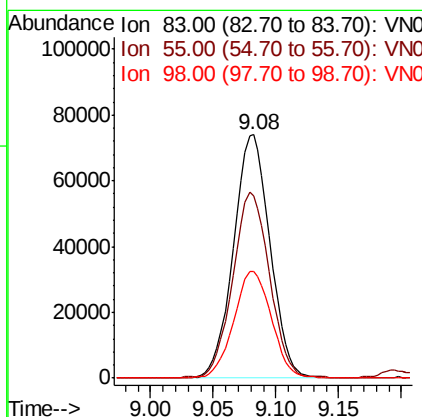
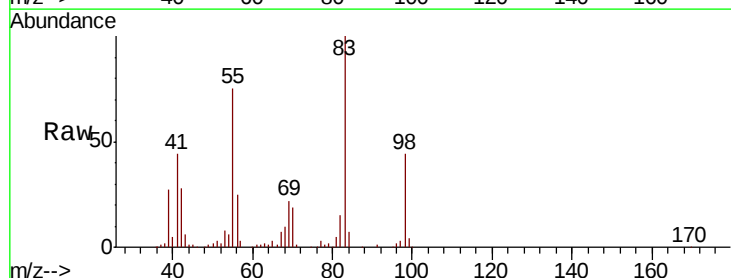
Manual Integrations
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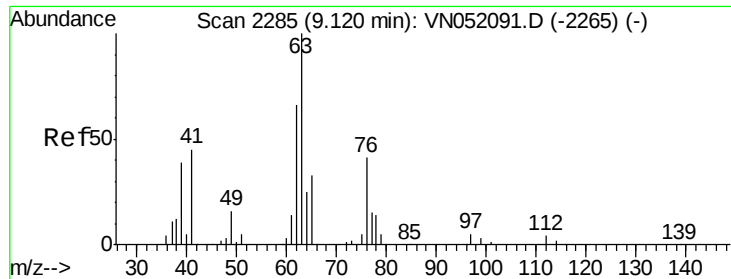
MMDadoda
 11/8/2018 9:13:52 AM



#38
 Methylcyclohexane
 Concen: 19.544 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.2	38.5	115.3
98	45.2	23.2	69.6





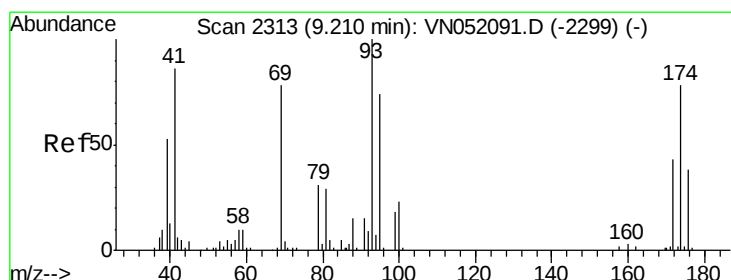
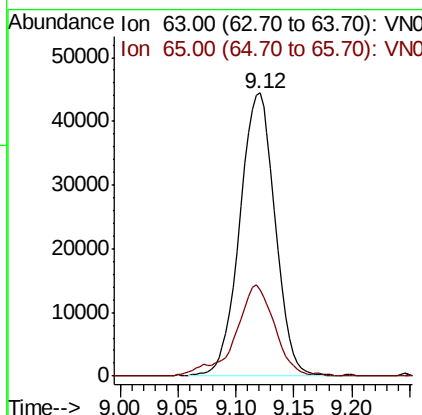
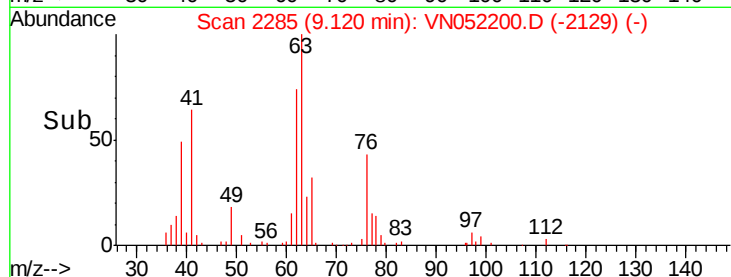
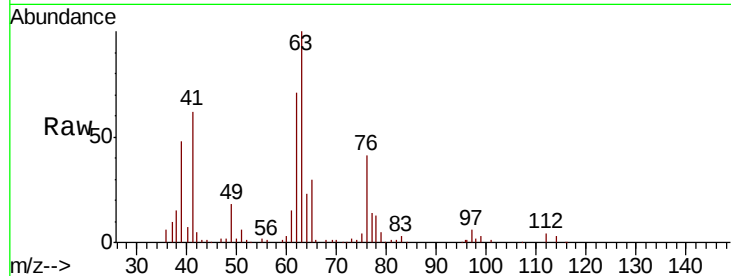
#39
 1,2-Dichloropropane
 Concen: 19.267 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampled :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	27.3	40.9

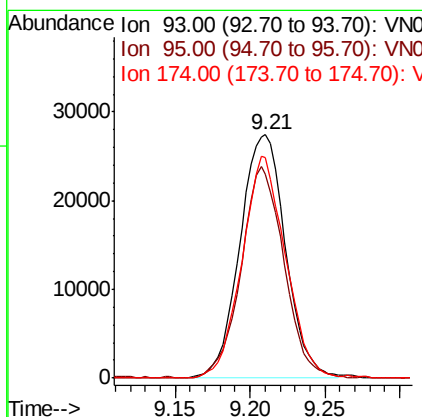
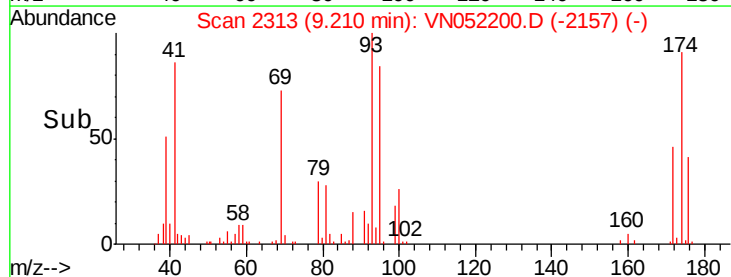
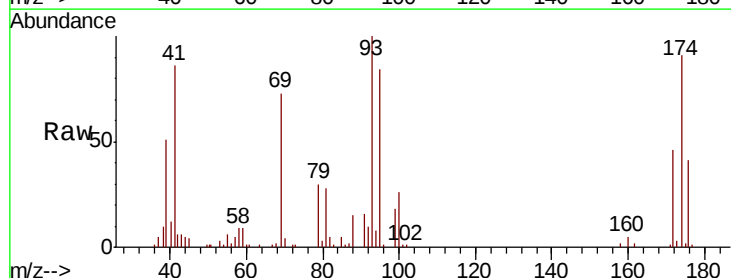
Manual Integrations
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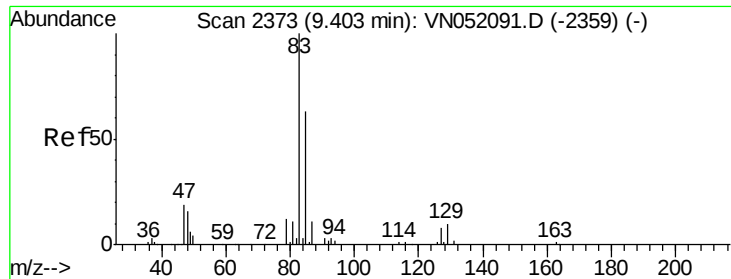
MMDadoda
 11/8/2018 9:13:52 AM



#40
 Dibromomethane
 Concen: 19.234 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.6	0.0	161.2
174	87.0	0.0	165.0





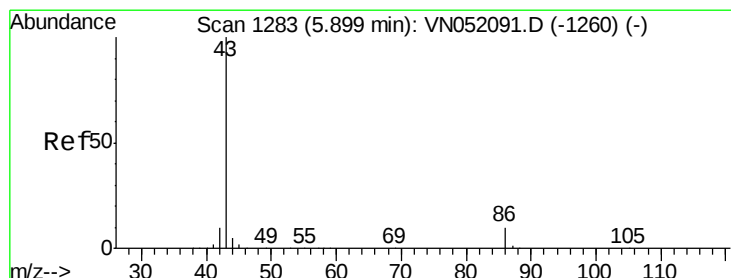
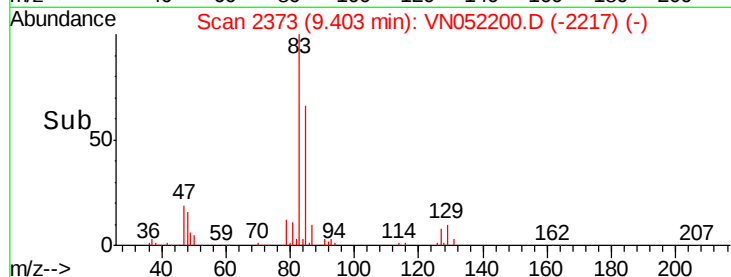
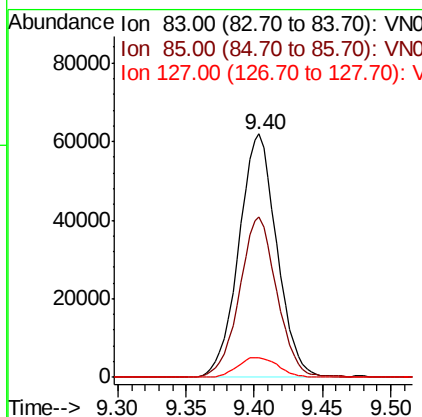
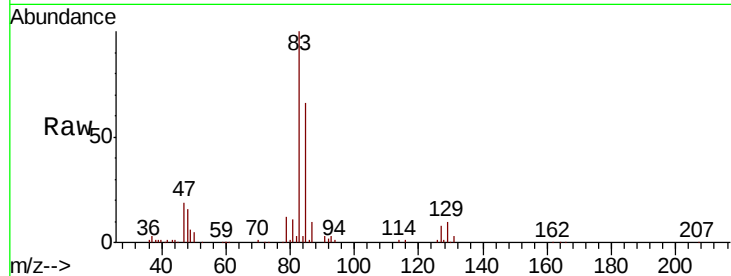
#41
 Bromodichloromethane
 Concen: 19.367 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	83	Resp	119873
Ion Ratio	100	Lower	Upper
83	100		
85	65.8	50.2	75.2
127	8.0	6.6	10.0

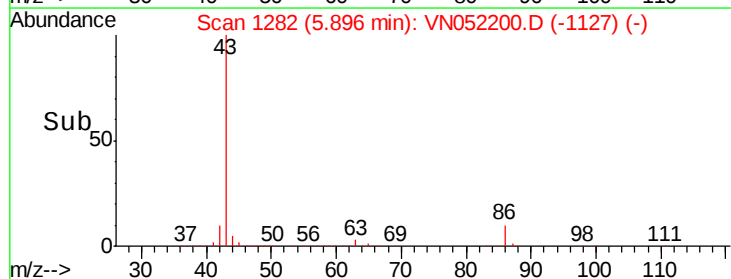
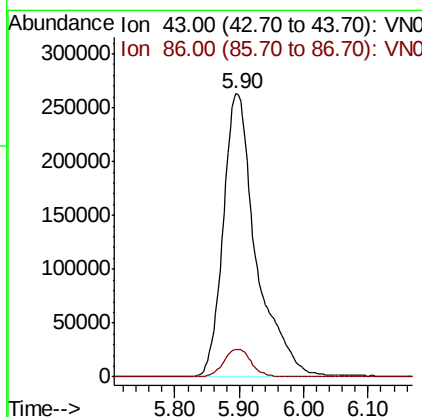
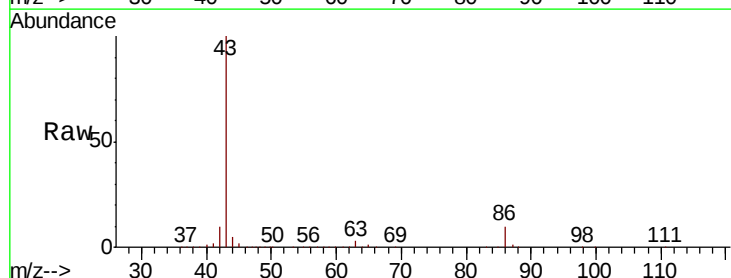
Manual Integrations
 APPROVED

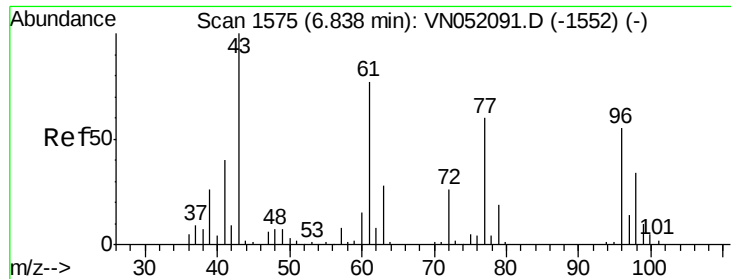
MMDadoda
 11/8/2018 9:13:52 AM



#42
 Vinyl Acetate
 Concen: 95.290 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	43	Resp	935452
Ion Ratio	100	Lower	Upper
43	100		
86	8.3	6.6	10.0





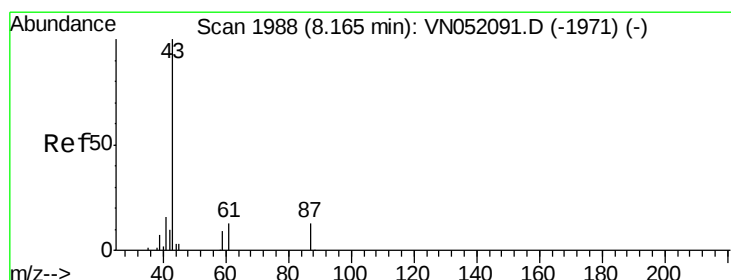
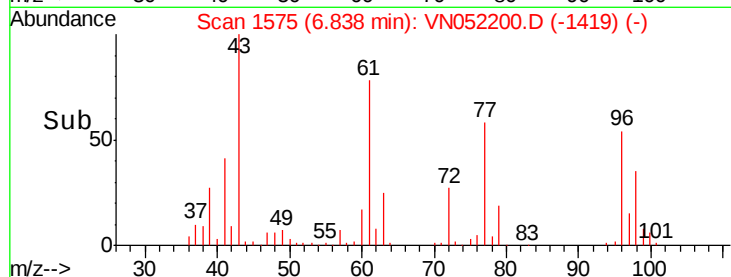
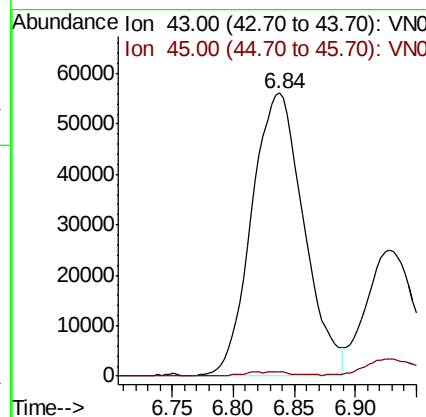
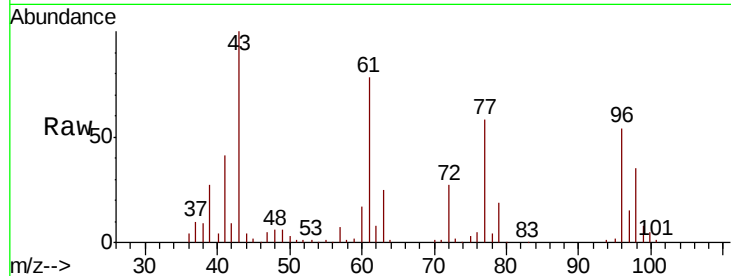
#43
Ethyl Acetate
Concen: 19.654 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion: 43 Resp: 165627
Ion Ratio Lower Upper
43 100
45 0.1 3.8 5.8#

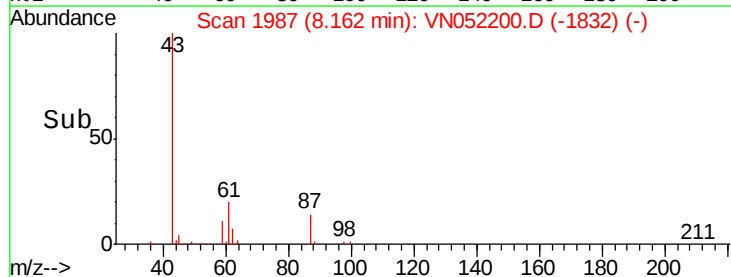
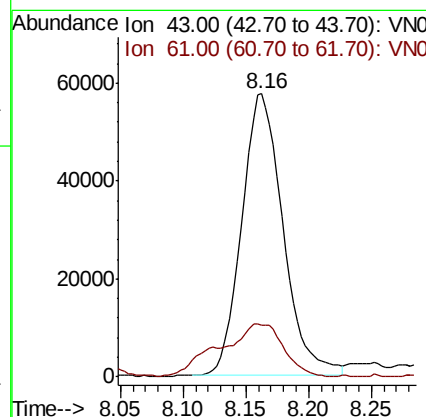
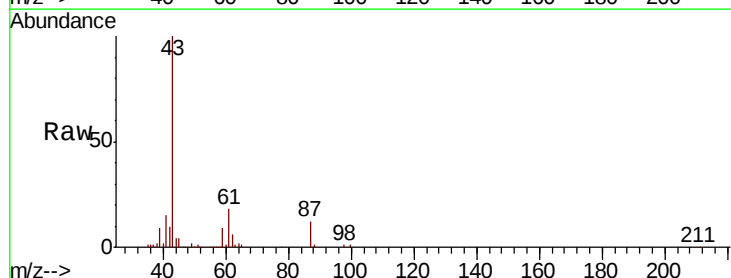
Manual Integrations
APPROVED

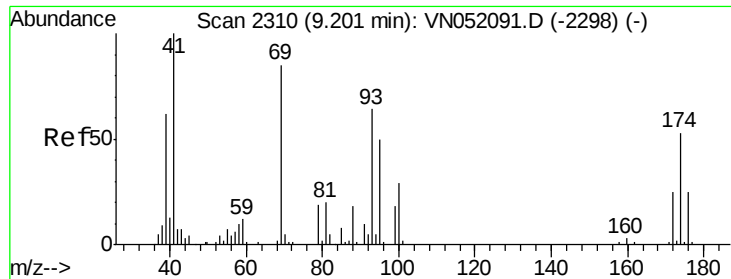
MMDadoda
11/8/2018 9:13:52 AM



#44
Isopropyl Acetate
Concen: 18.910 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion: 43 Resp: 131945
Ion Ratio Lower Upper
43 100
61 2.9 16.2 24.2#





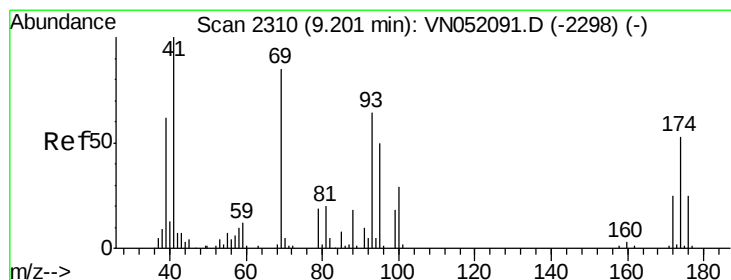
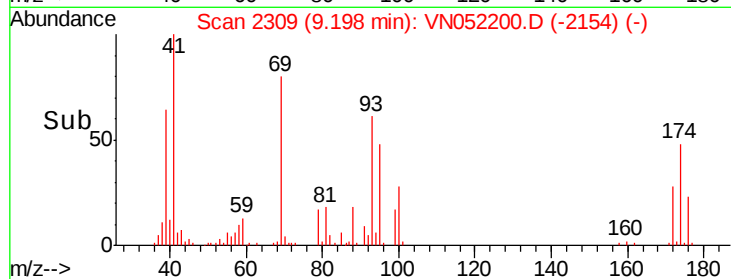
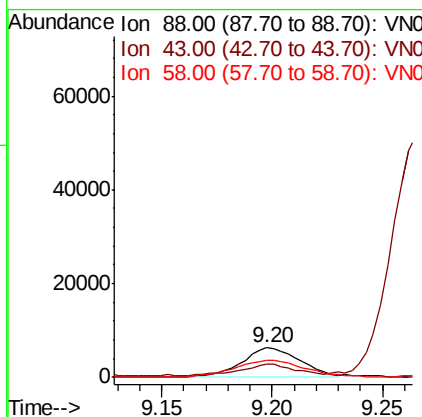
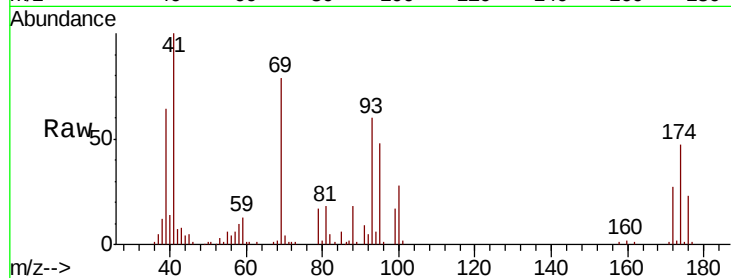
#45
 1,4-Dioxane
 Concen: 364.877 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.3	28.6	43.0
58	69.5	37.8	56.8#

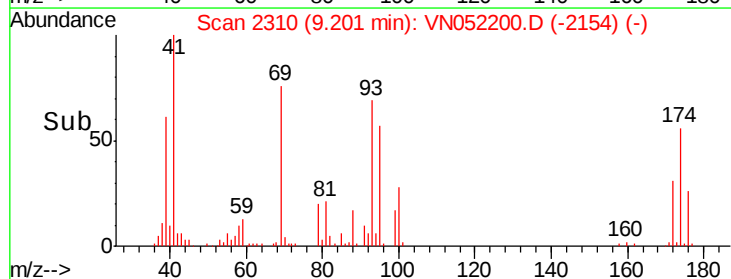
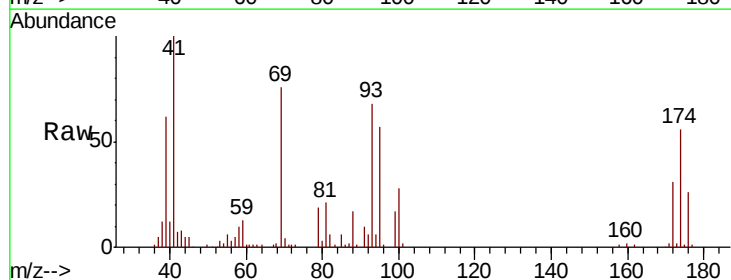
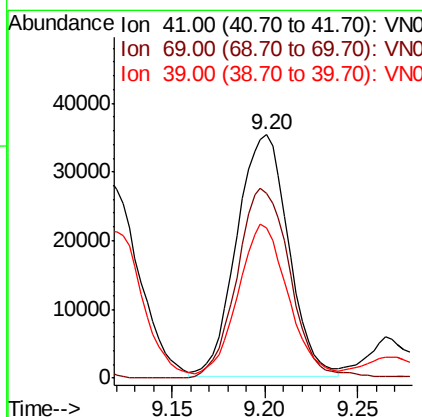
Manual Integrations
 APPROVED

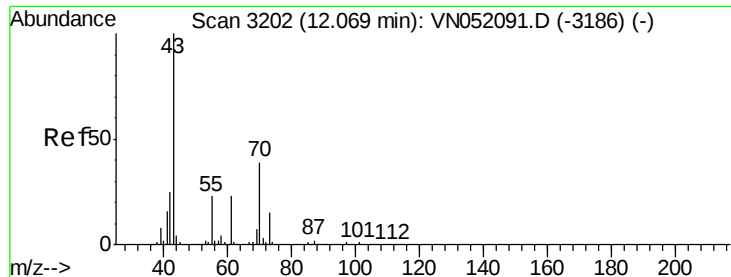
MMDadoda
 11/8/2018 9:13:52 AM



#46
 Methyl methacrylate
 Concen: 19.586 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
41	100		
69	78.0	42.5	127.6
39	61.2	31.1	93.3





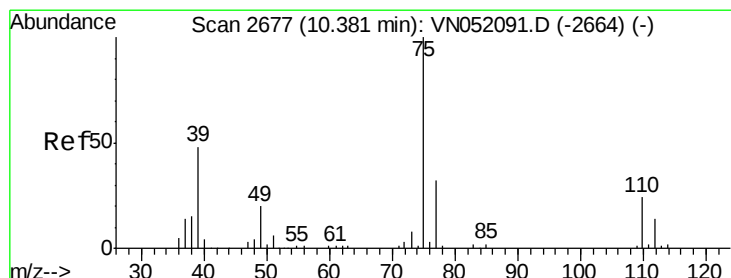
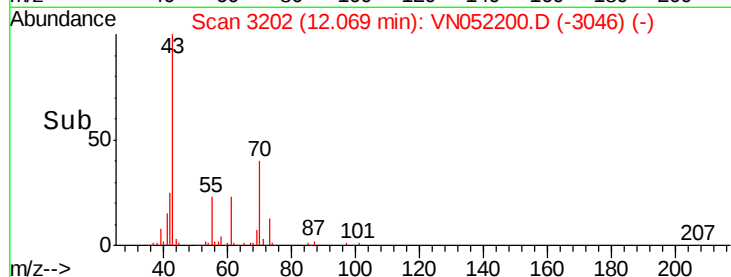
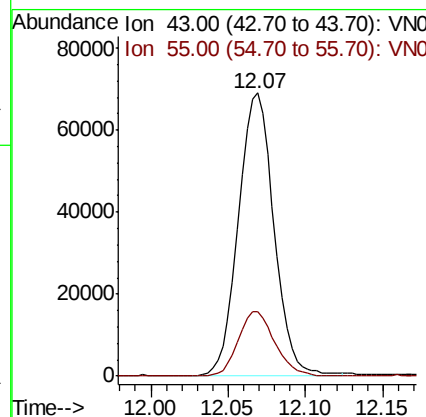
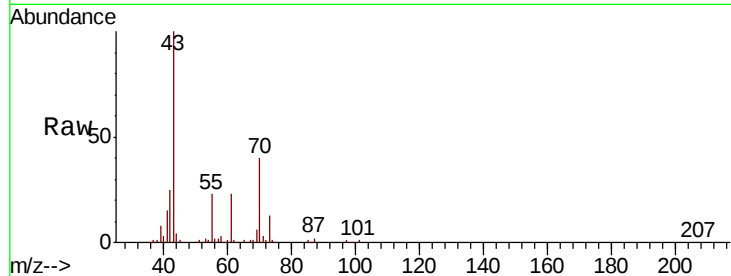
#47
n-amyl Acetate
Concen: 17.257 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion: 43 Resp: 109146
Ion Ratio Lower Upper
43 100
55 23.8 0.0 0.0#

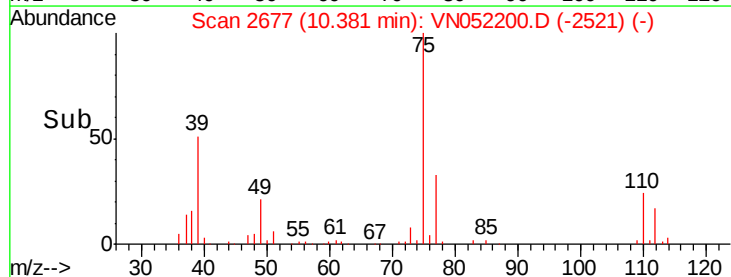
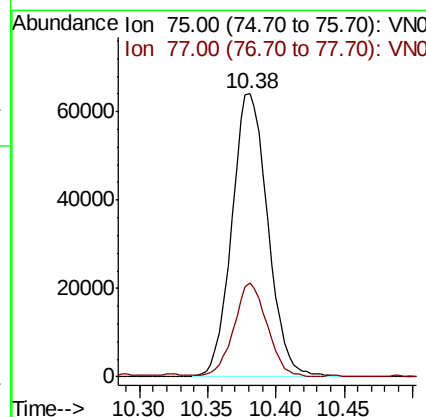
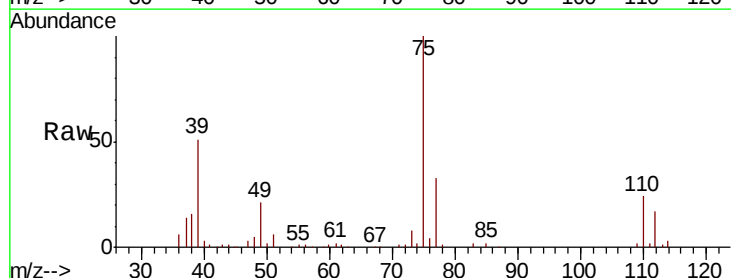
Manual Integrations
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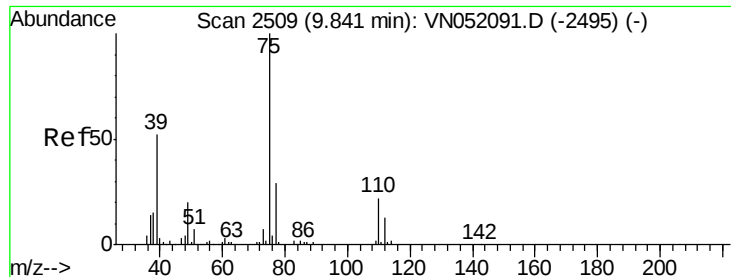
MMDadoda
11/8/2018 9:13:52 AM



#48
t-1,3-Dichloropropene
Concen: 19.062 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion: 75 Resp: 117162
Ion Ratio Lower Upper
75 100
77 33.0 26.3 39.5





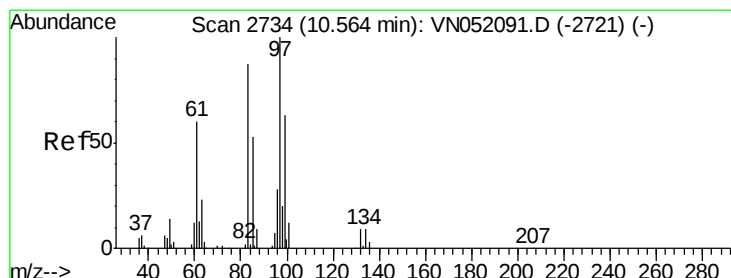
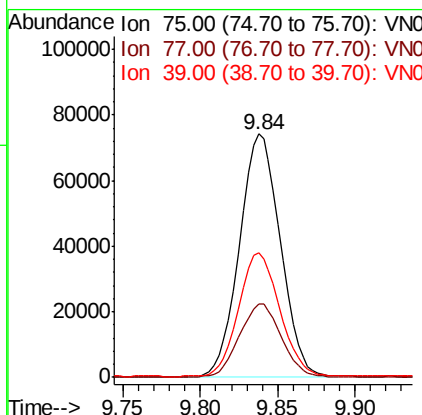
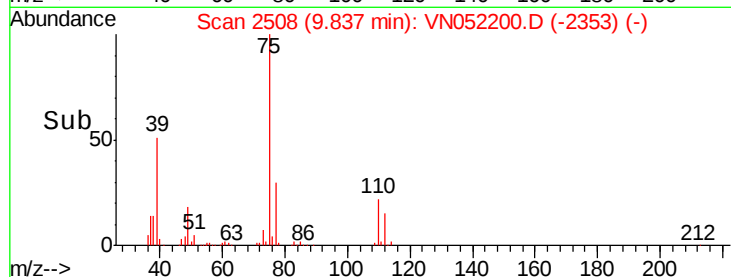
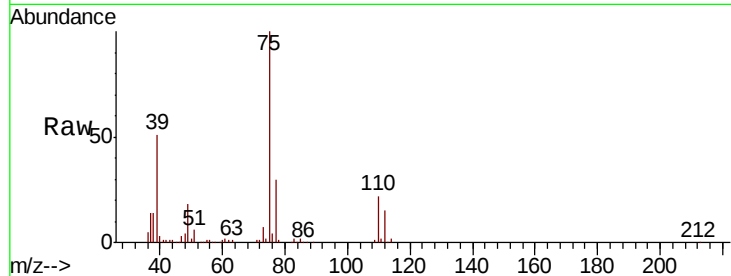
#49
 cis-1,3-Dichloropropene
 Concen: 19.271 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	23.3	34.9
39	50.4	41.6	62.4

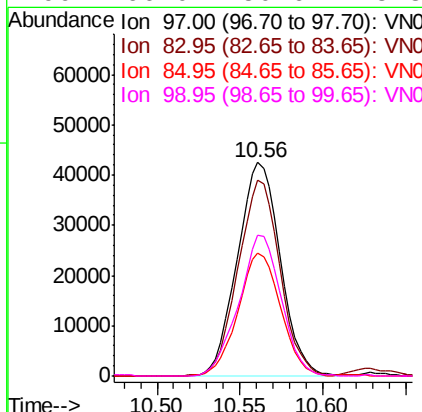
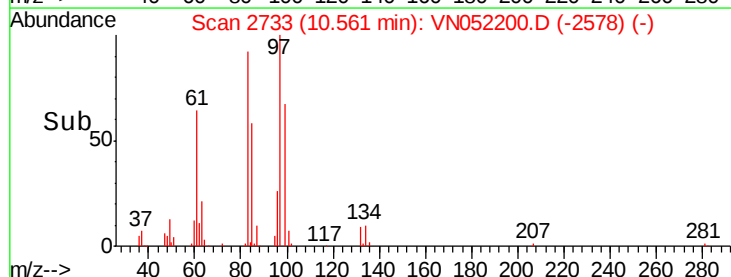
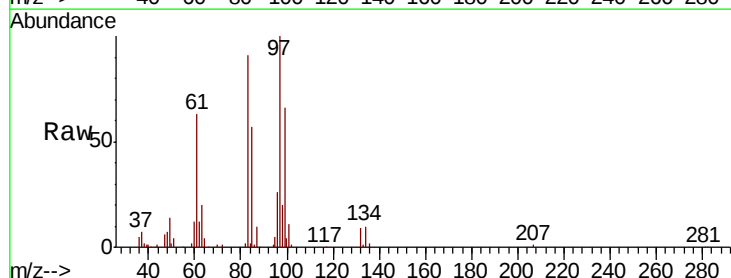
Manual Integrations
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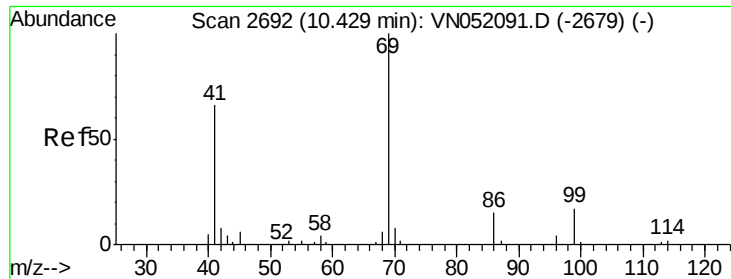
MMDadoda
 11/8/2018 9:13:52 AM



#50
 1,1,2-Trichloroethane
 Concen: 19.199 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.1	69.4	104.0
85	57.5	42.7	64.1
99	66.0	50.6	75.8





#51

Ethyl methacrylate

Concen: 18.187 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

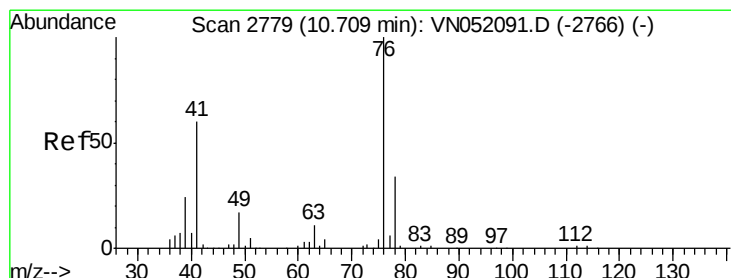
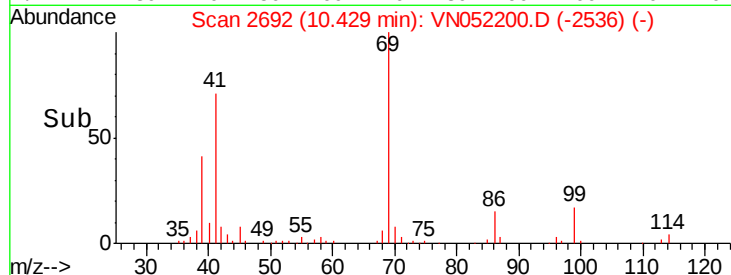
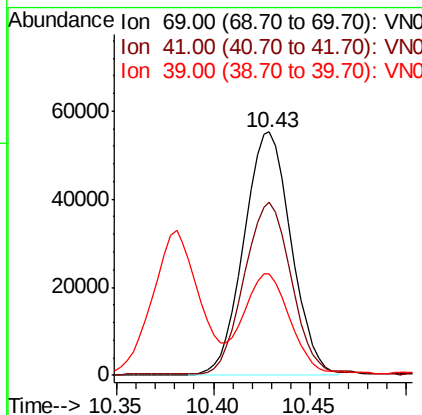
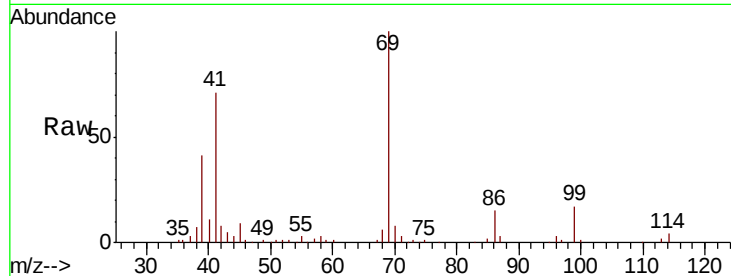
ClientSampleId :

VN1107WBS01

Tot Ion:	69.00	Resp:	94030
Ion Ratio	Lower	Upper	
69	100		
41	70.2	33.0	99.0
39	39.7	20.7	62.1

Manual Integrations
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11/8/2018 9:13:52 AM



#52

1,3-Dichloropropane

Concen: 19.466 ug/l

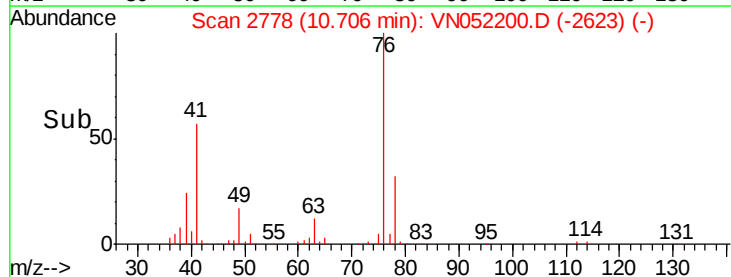
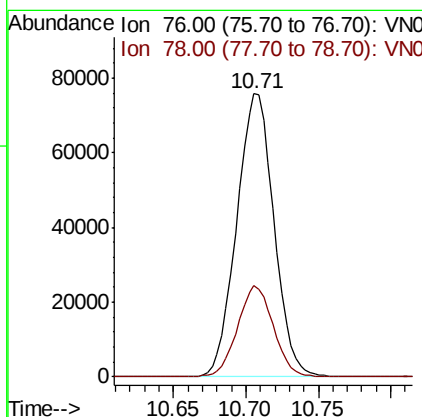
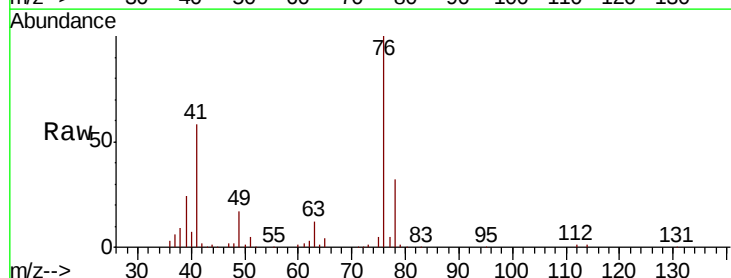
RT: 10.71 min Scan# 2778

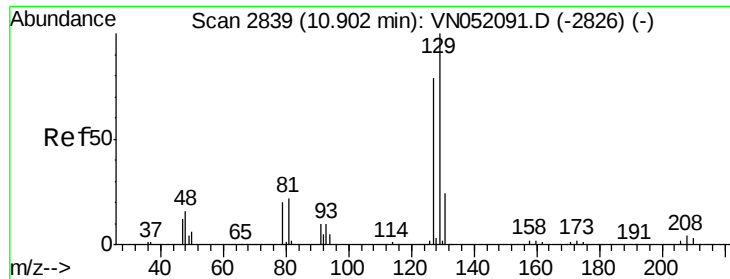
Delta R.T. -0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Tgt Ion:	76.00	Resp:	135640
Ion Ratio	Lower	Upper	
76	100		
78	31.2	0.0	65.0





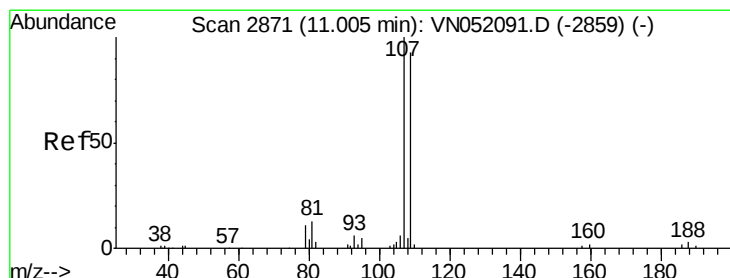
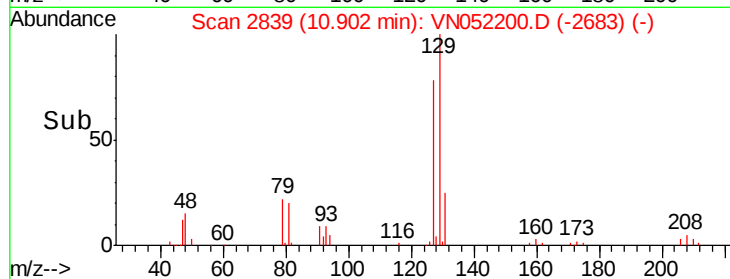
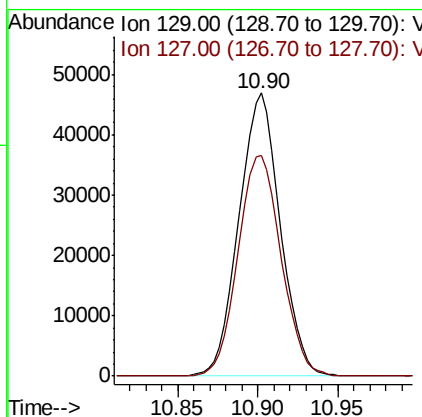
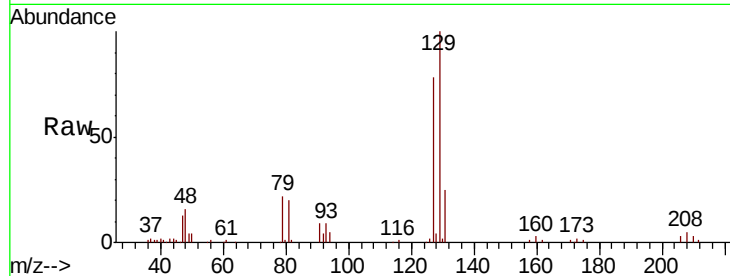
#53
Dibromochloromethane
Concen: 19.099 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampled :
VN1107WBS01

Tot Ion:129 Resp: 82483
Ion Ratio Lower Upper
129 100
127 81.3 39.2 117.6

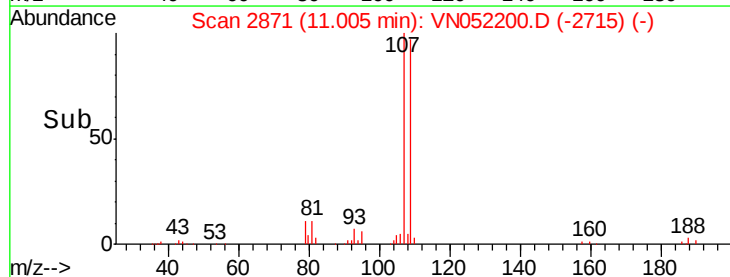
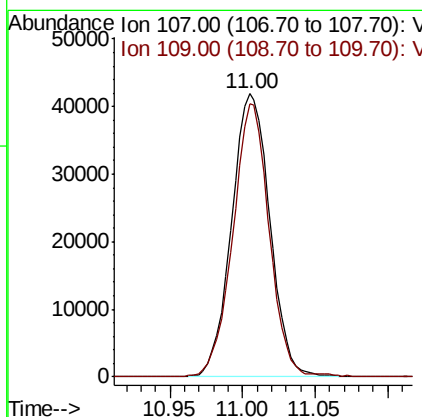
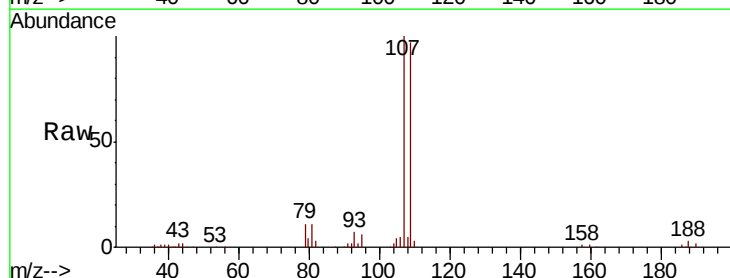
Manual Integrations
APPROVED

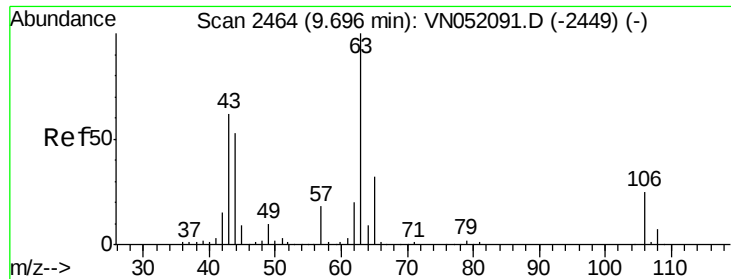
MMDadoda
11/8/2018 9:13:52 AM



#54
1,2-Dibromoethane
Concen: 18.940 ug/l
RT: 11.00 min Scan# 2871
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion:107 Resp: 76833
Ion Ratio Lower Upper
107 100
109 91.4 77.0 115.6





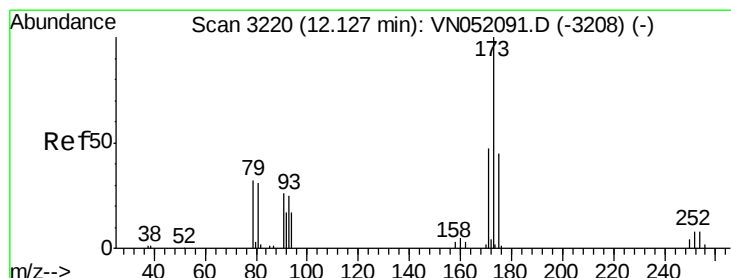
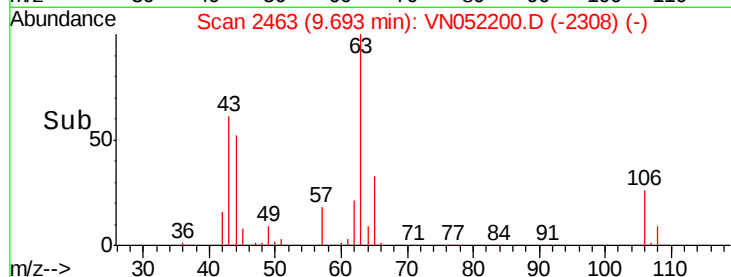
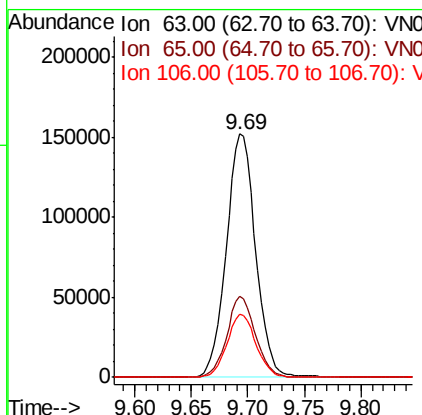
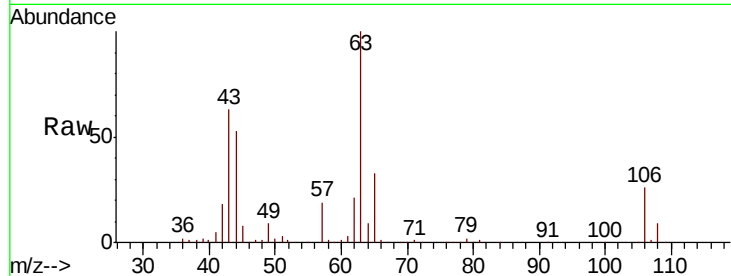
#55
2-Chloroethyl vinyl ether
Concen: 96.728 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	25.6	20.4	30.6

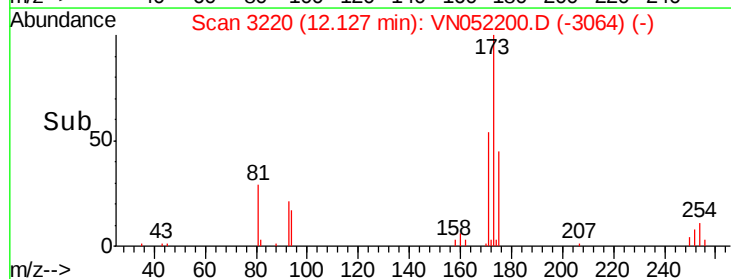
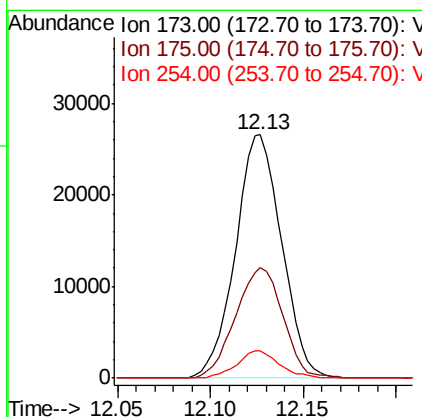
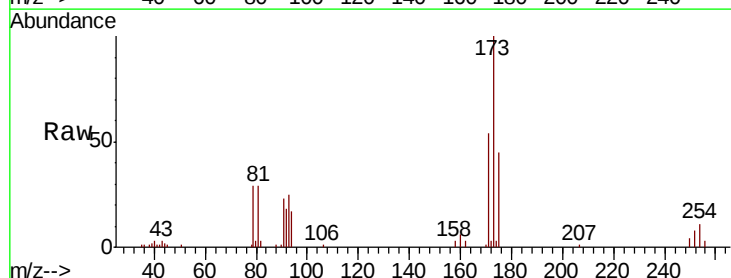
Manual Integrations
APPROVED

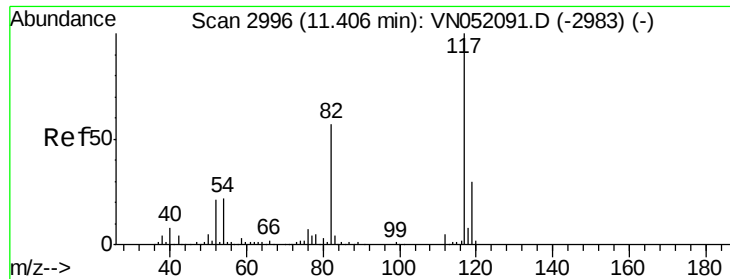
MMDadoda
11/8/2018 9:13:52 AM



#56
Bromoform
Concen: 18.419 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.7	37.3	55.9
254	10.1	7.0	10.6





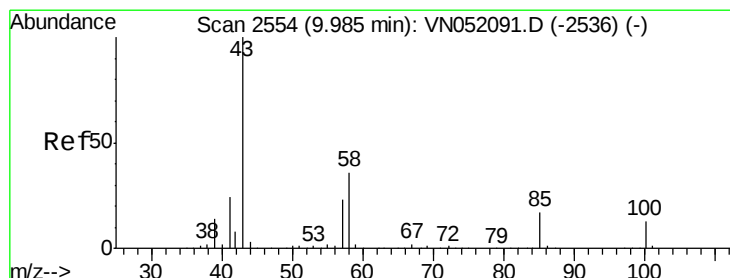
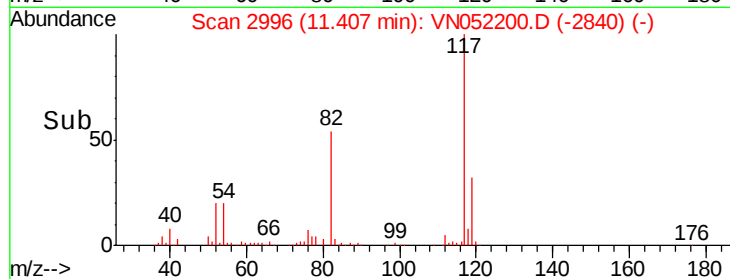
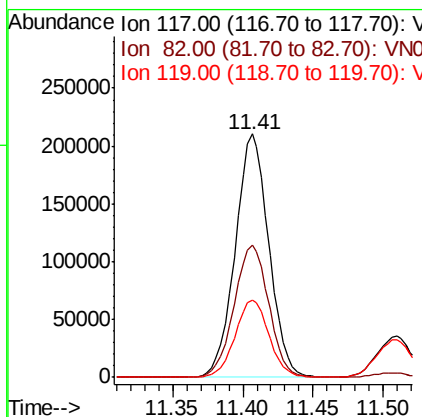
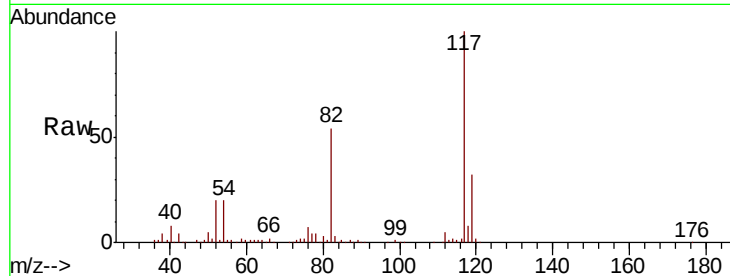
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	350641		
82	56.3	45.0	67.6	
119	32.2	24.2	36.4	

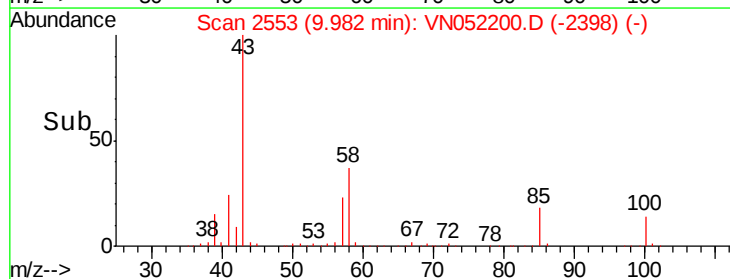
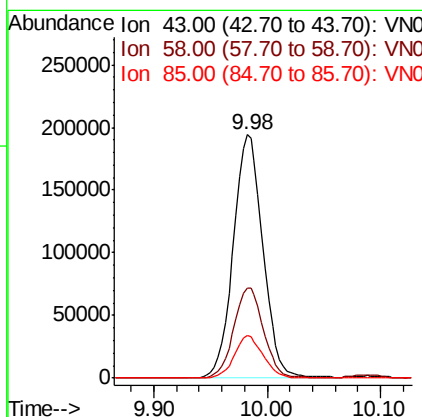
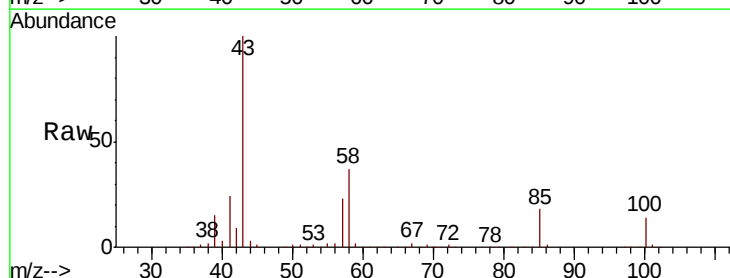
Manual Integrations
APPROVED

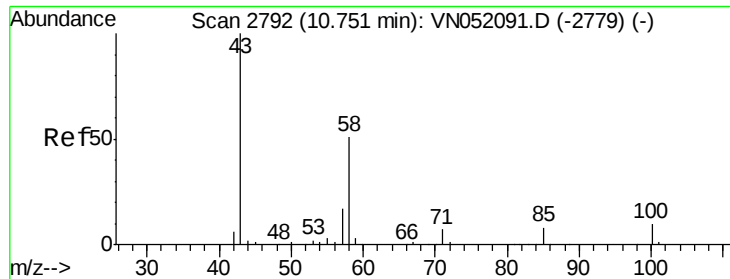
MMDadoda
11/8/2018 9:13:52 AM



#58
4-Methyl-2-Pentanone
Concen: 93.623 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	351771		
58	37.4	29.0	43.6	
85	16.9	13.4	20.2	





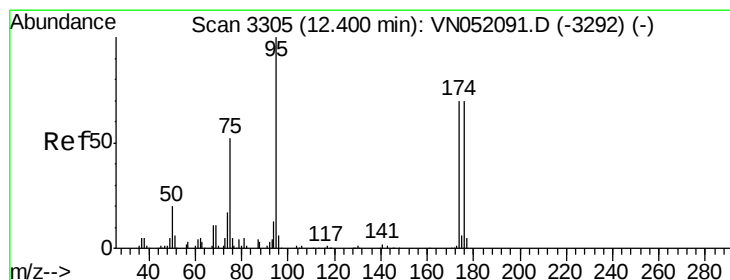
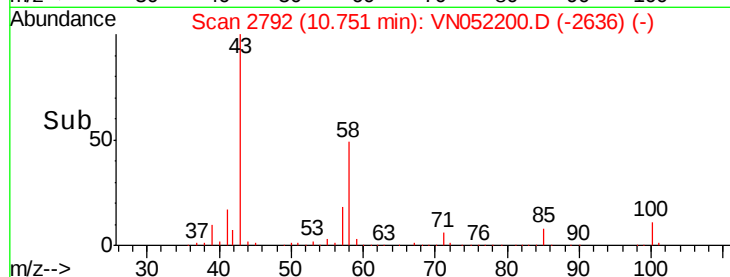
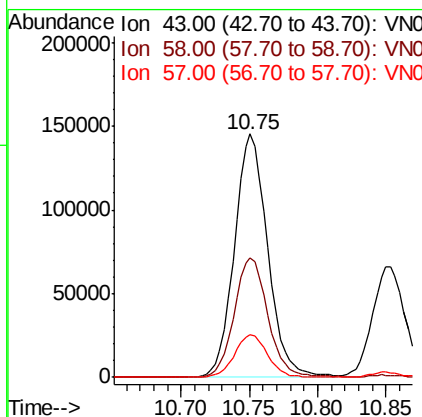
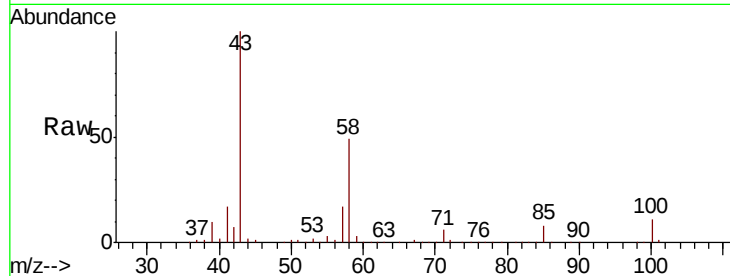
#59
2-Hexanone
Concen: 94.399 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampled :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	49.8	40.8	61.2
57	17.7	13.8	20.8

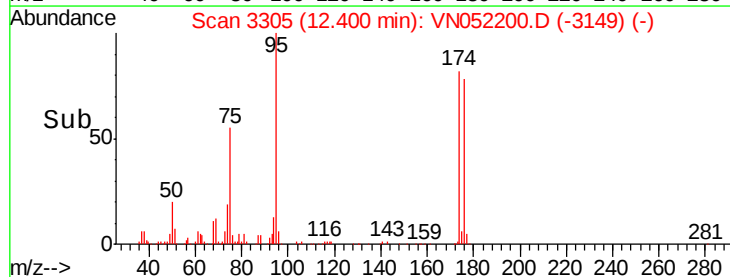
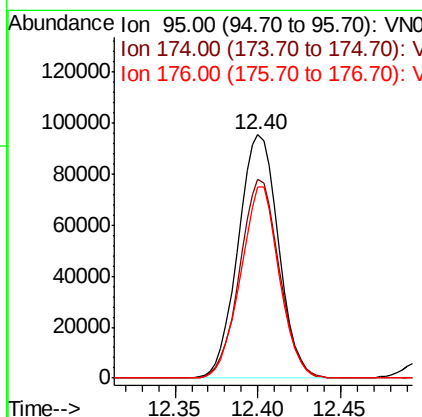
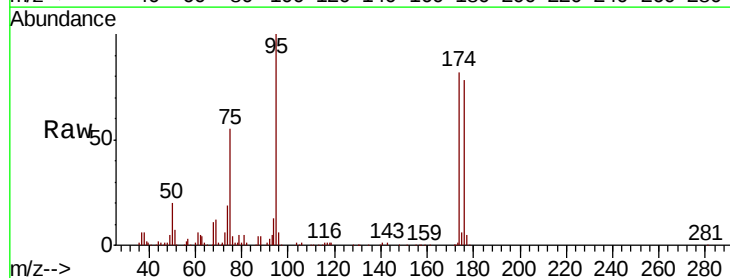
Manual Integrations
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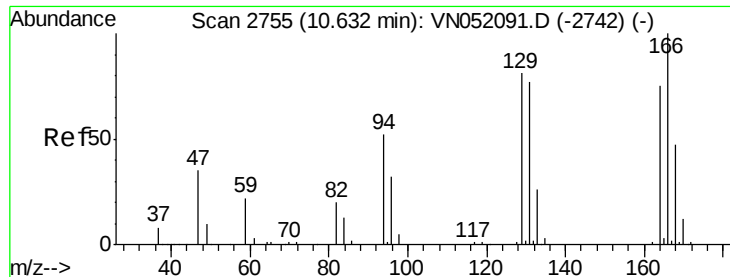
MMDadoda
11/8/2018 9:13:52 AM



#60
4-Bromofluorobenzene
Concen: 94.399 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
95	100		
174	79.9	55.0	82.6
176	75.2	54.2	81.4





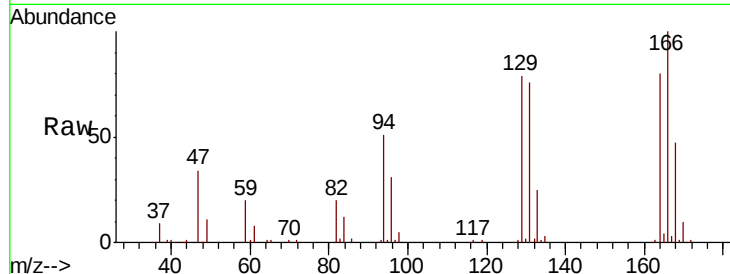
#61
Tetrachloroethene
Concen: 21.918 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.3	106.4	159.6
129	99.4	87.0	130.4
131	94.9	81.4	122.2

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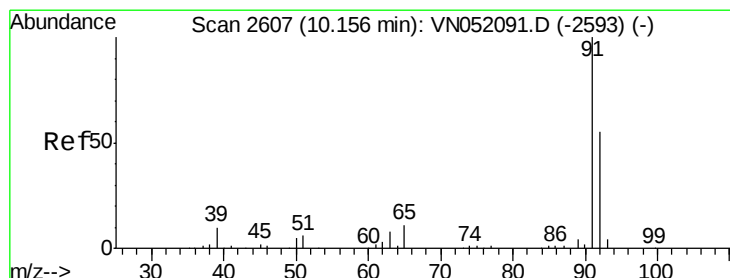
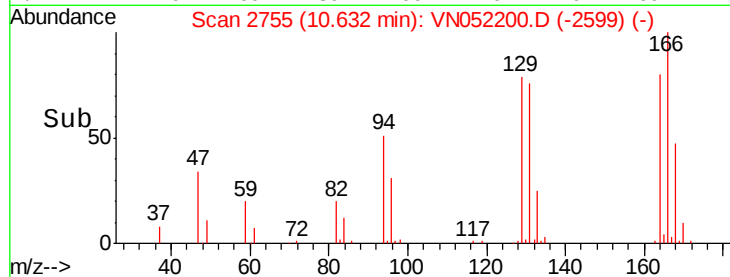
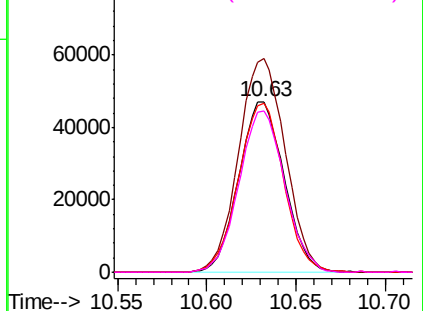
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

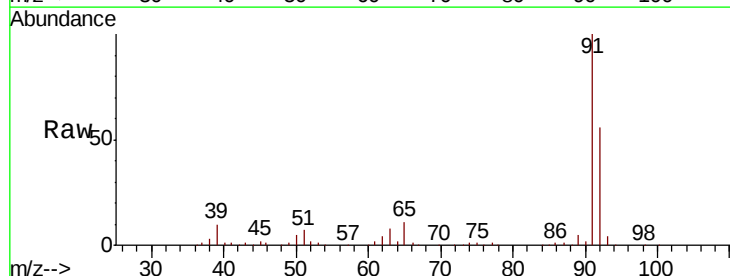
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.072 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

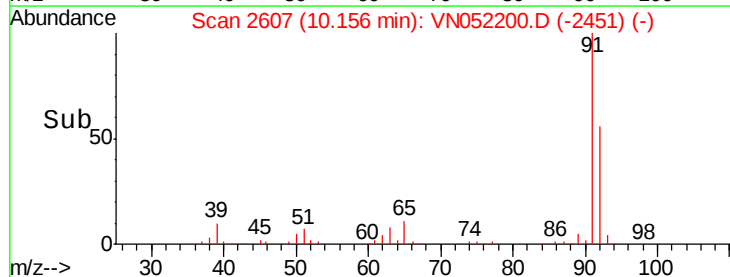
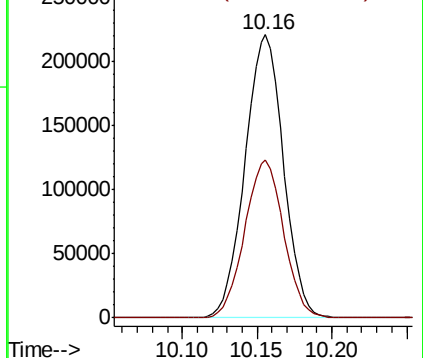
Tgt Ion	Ratio	Lower	Upper
91	100		
92	56.3	44.6	67.0

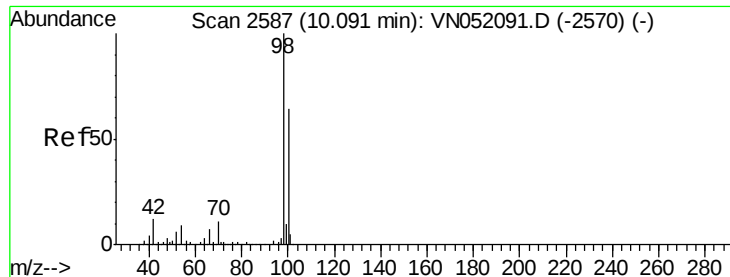


Abundance

Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 20.072 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 98 Resp: 497963

Ion Ratio Lower Upper

98 100

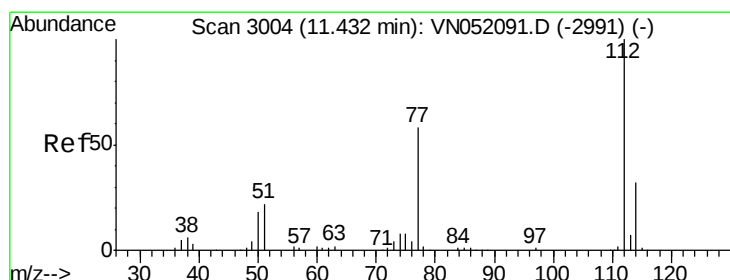
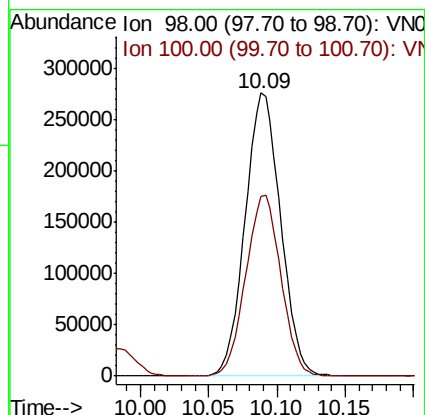
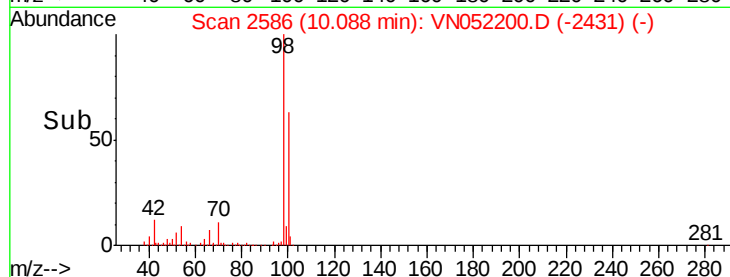
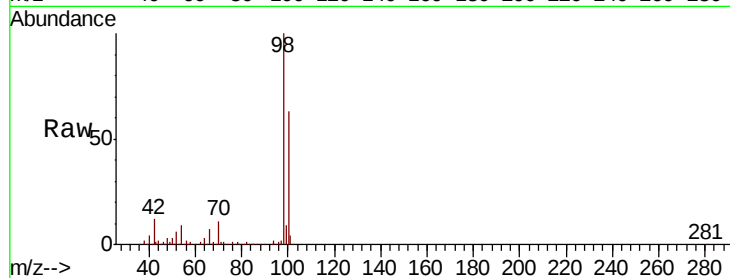
100 63.6 50.7 76.1

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#64

Chlorobenzene

Concen: 19.736 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052200.D

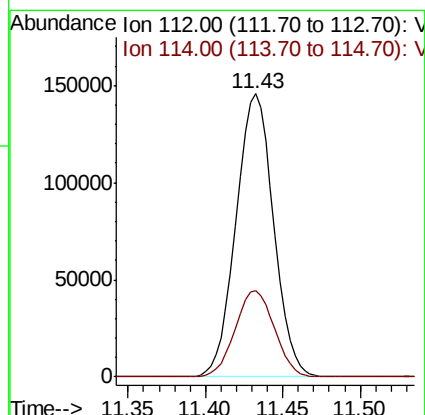
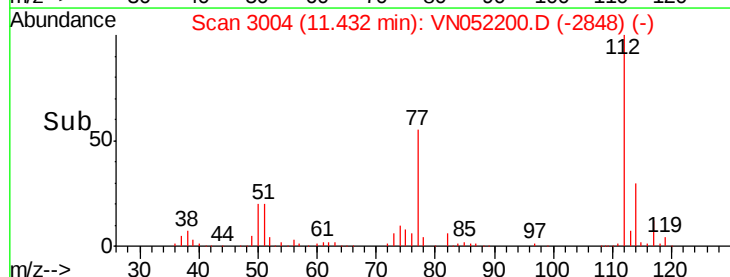
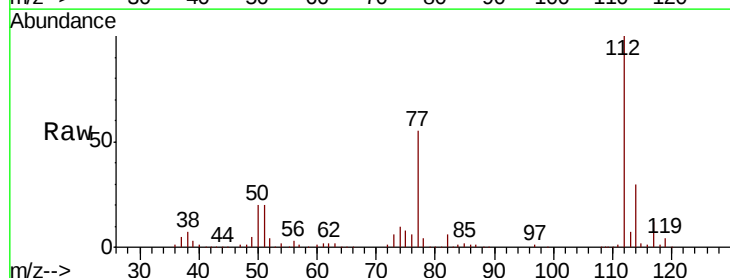
Acq: 7 Nov 2018 11:24

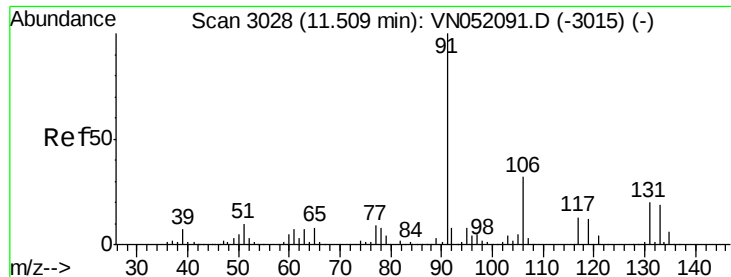
Tgt Ion: 112 Resp: 246213

Ion Ratio Lower Upper

112 100

114 30.4 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 20.147 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

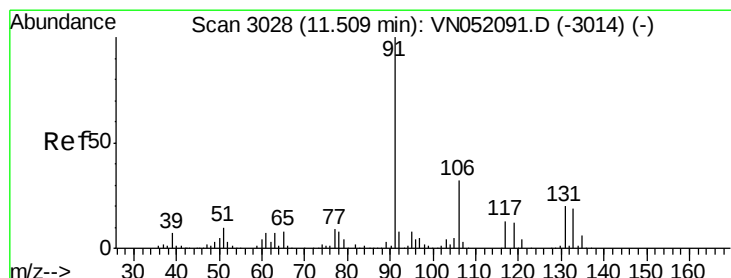
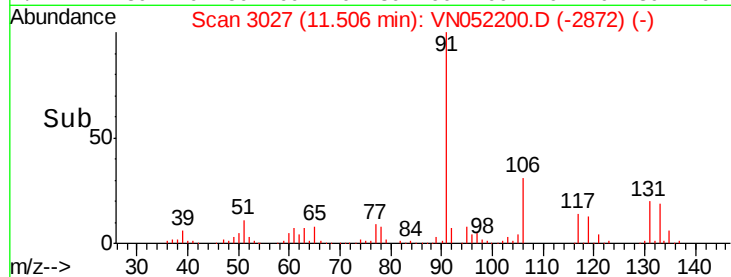
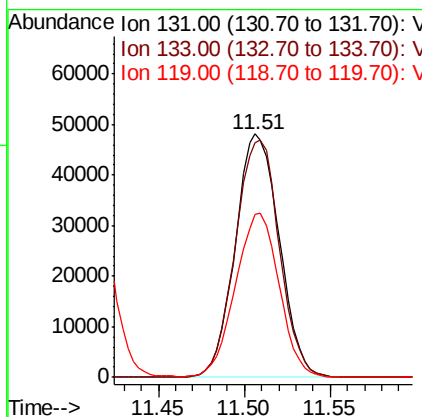
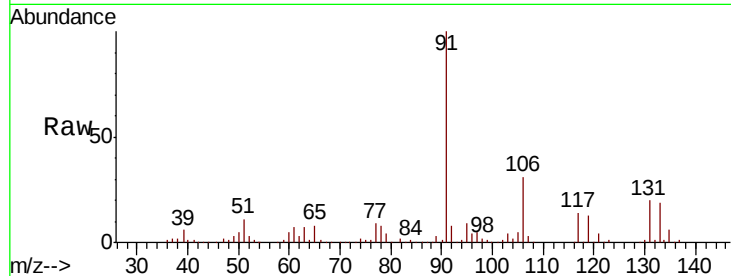
ClientSampleId :

VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
131	100	85544		
133	97.5	0.0	188.8	
119	67.1	0.0	131.4	

Manual Integrations
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#66

Ethyl Benzene

Concen: 19.804 ug/l

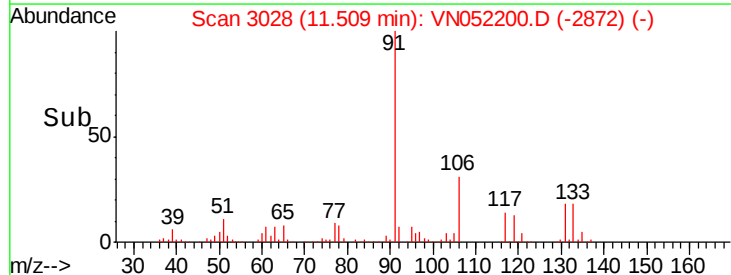
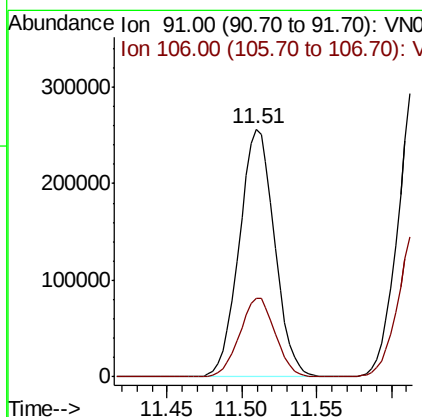
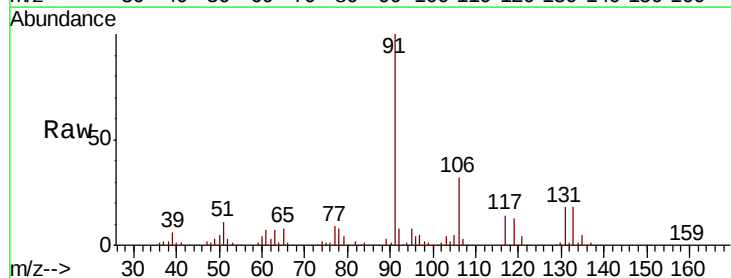
RT: 11.51 min Scan# 3028

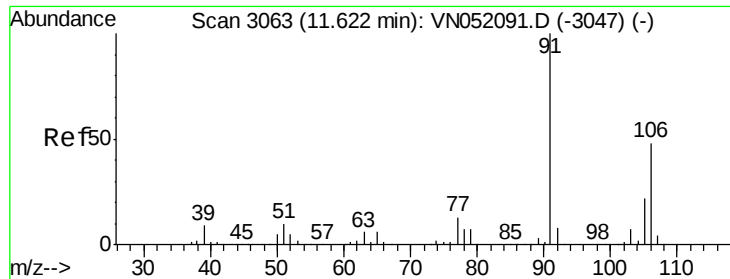
Delta R.T. 0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	421068		
106	31.8	25.7	38.5	





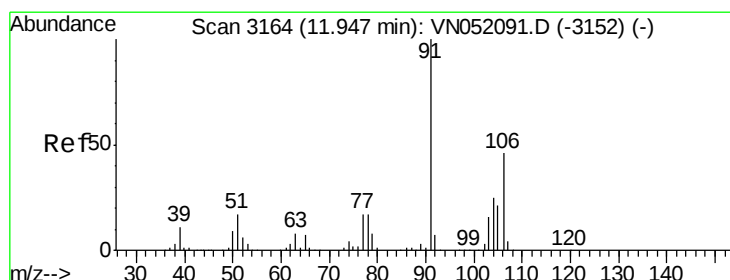
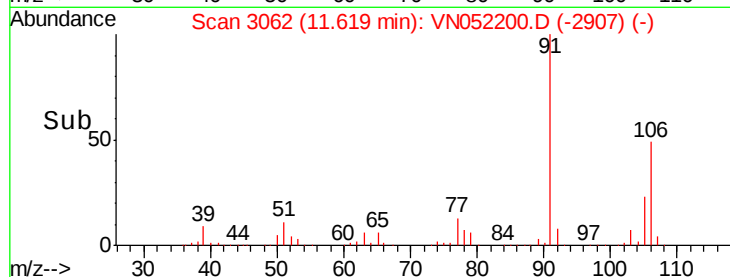
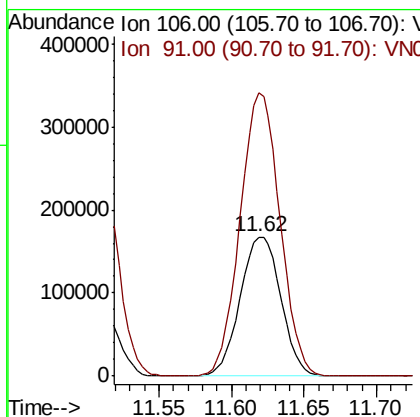
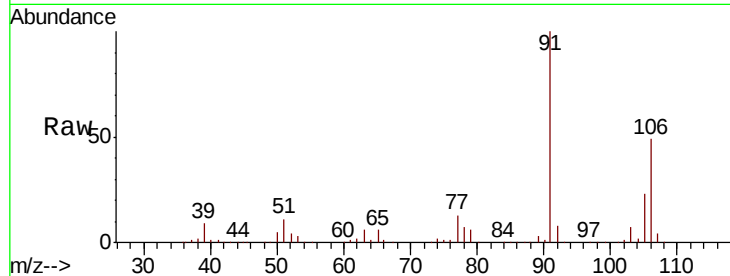
#67
m/p-Xvlenes
Concen: 40.066 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion:106 Resp: 327969
Ion Ratio Lower Upper
106 100
91 199.0 163.6 245.4

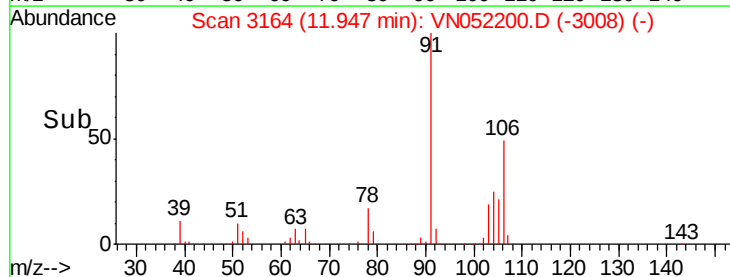
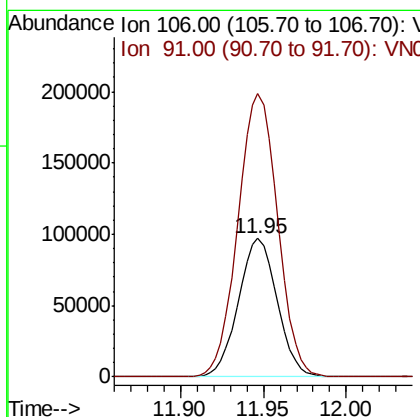
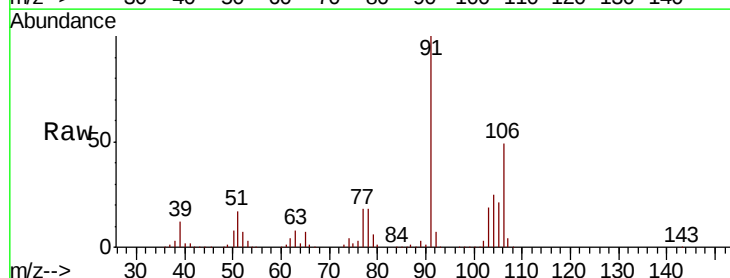
Manual Integrations
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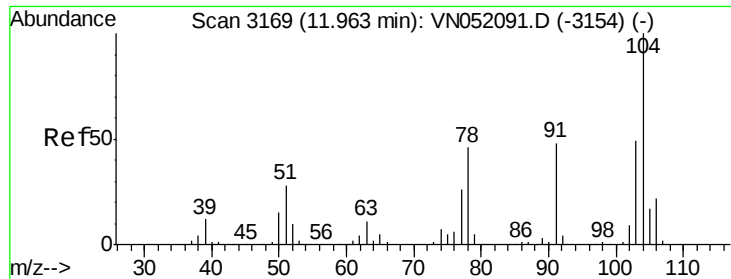
MMDadoda
11/8/2018 9:13:52 AM



#68
o-Xylene
Concen: 20.234 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion:106 Resp: 157914
Ion Ratio Lower Upper
106 100
91 209.7 110.0 330.0





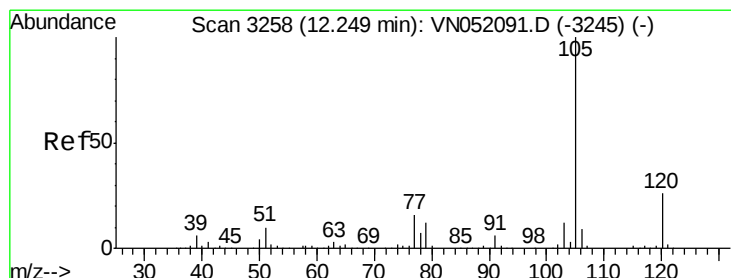
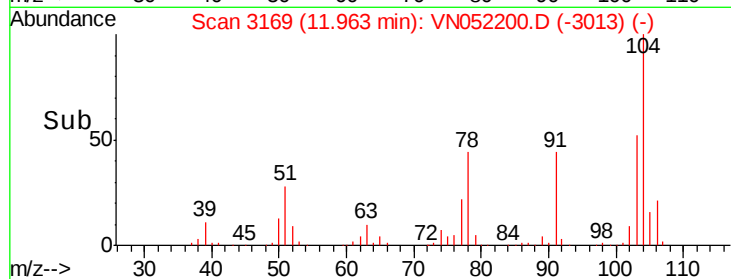
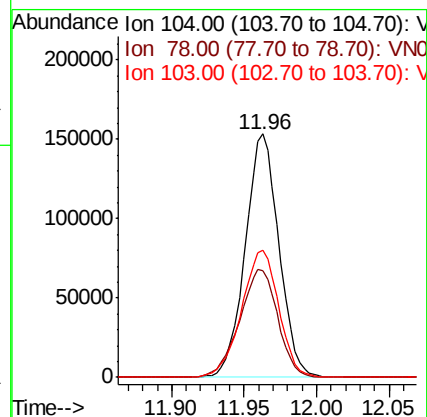
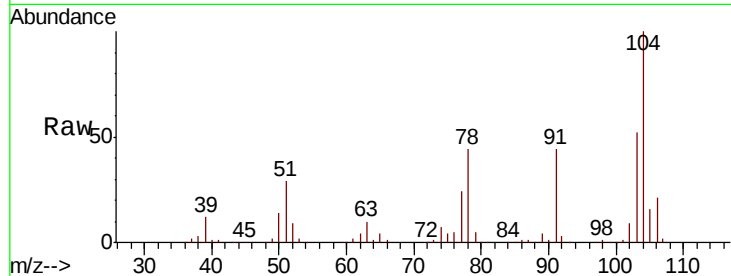
#69
Stvrene
Concen: 19.709 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	50.1	41.3	61.9
103	57.7	43.3	64.9

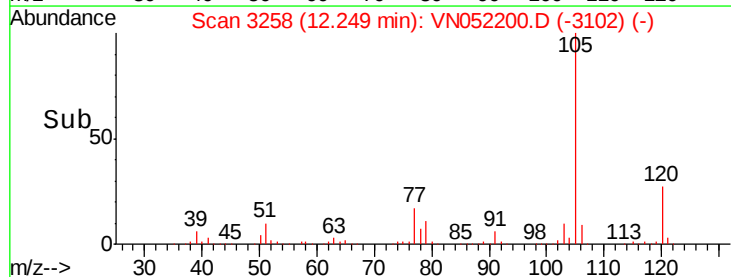
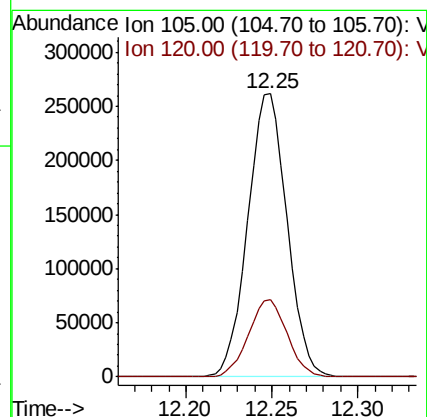
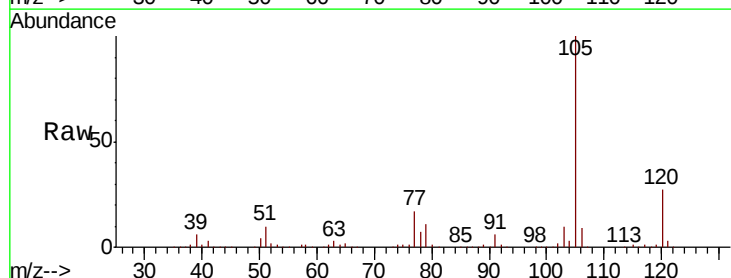
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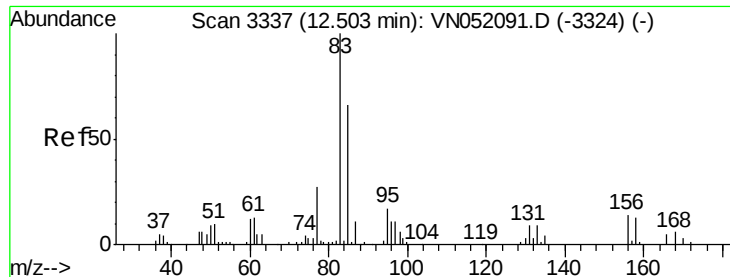
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11/8/2018 9:13:52 AM



#70
Isopropylbenzene
Concen: 19.705 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	18.4	34.2





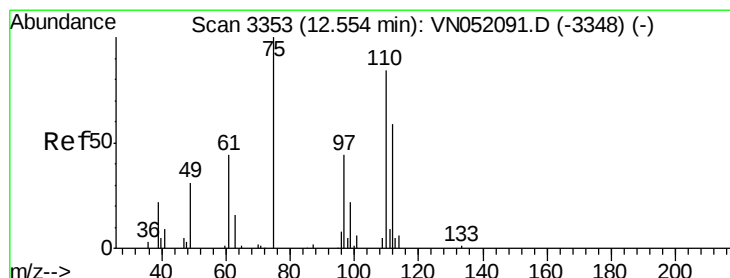
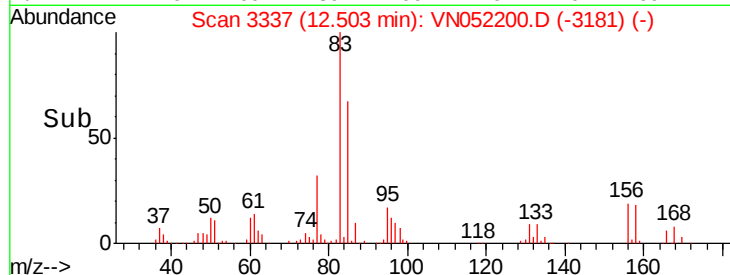
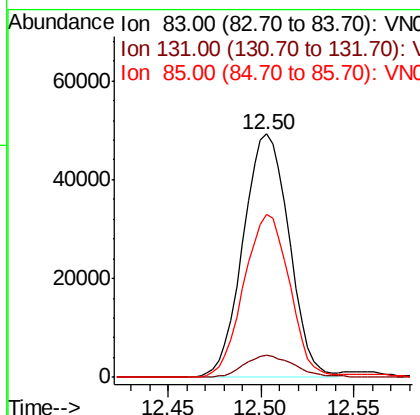
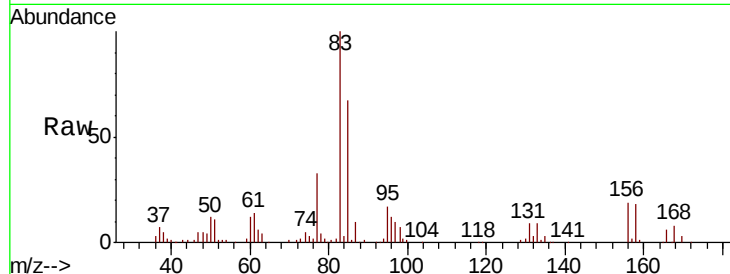
#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.459 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	83	Resp	85062
Ion Ratio	100	Lower	Upper
83	100		
131	9.9	4.8	14.3
85	66.7	32.7	98.1

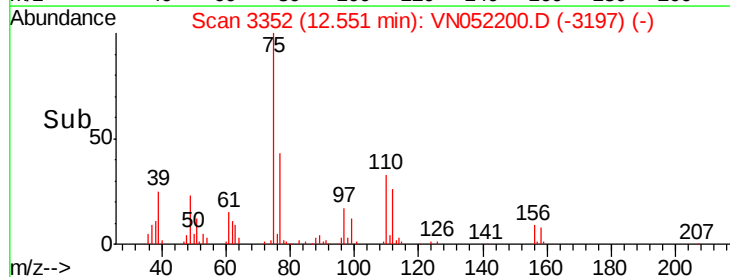
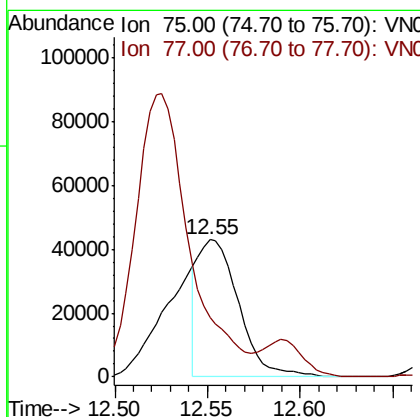
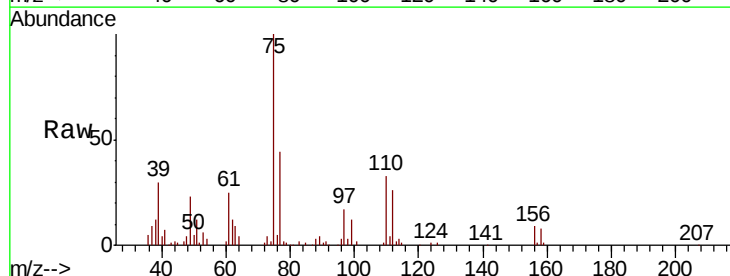
Manual Integrations
 APPROVED

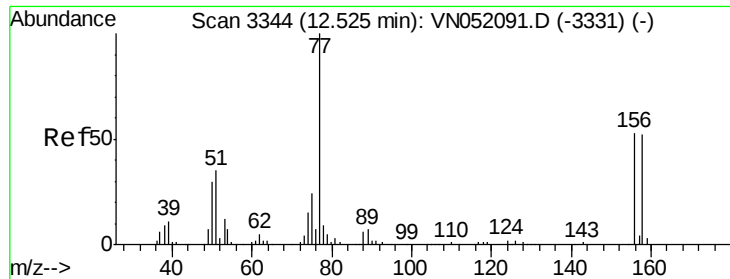
MMDadoda
 11/8/2018 9:13:52 AM



#72
 1,2,3-Trichloropropane
 Concen: 16.391 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	75	Resp	66412
Ion Ratio	100	Lower	Upper
75	100		
77	272.6	0.0	481.8





#73

Bromobenzene

Concen: 20.256 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

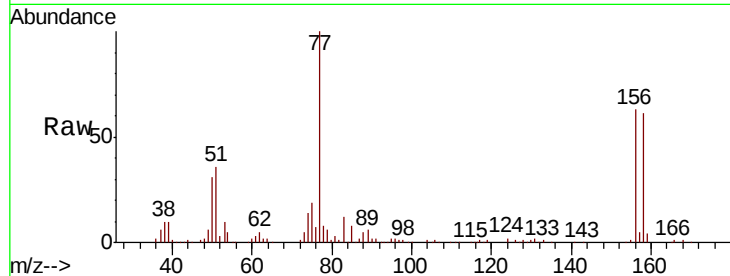
ClientSampleId :

VN1107WBS01

Tot Ion:	156	Resp:	94031
Ion Ratio	Lower	Upper	
156	100		
77	192.5	0.0	428.0
158	98.1	0.0	196.8

Manual Integrations
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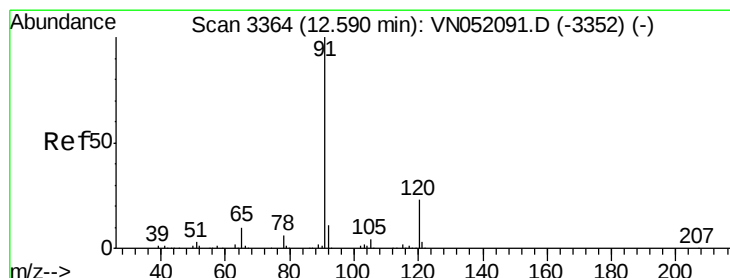
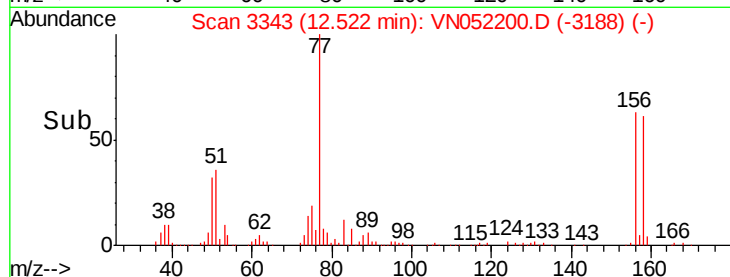
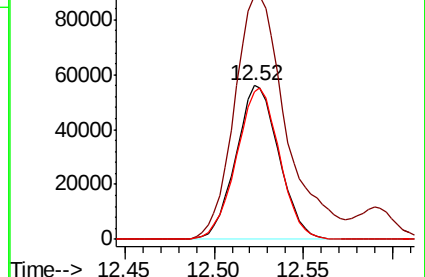
MMDadoda
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Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.821 ug/l

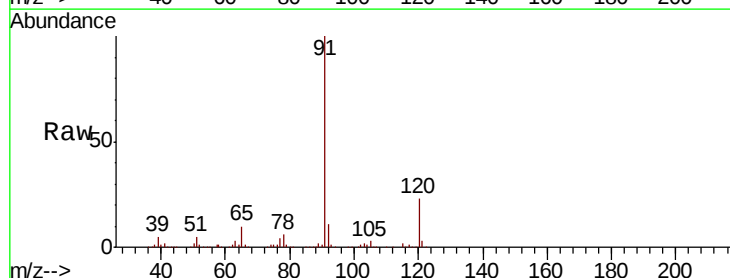
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052200.D

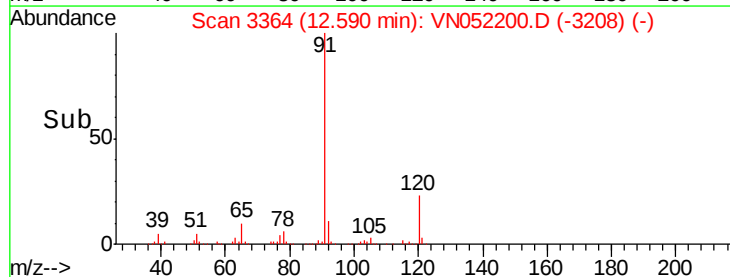
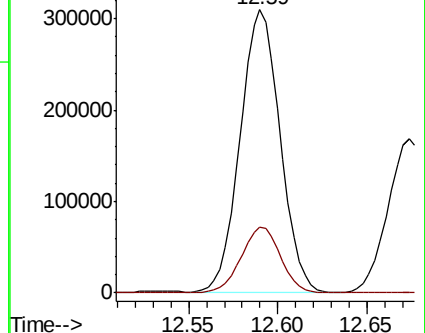
Acq: 7 Nov 2018 11:24

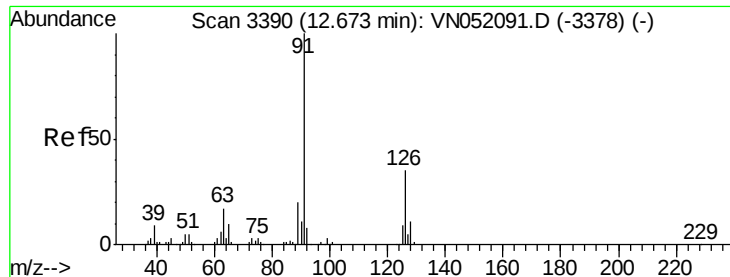
Tgt Ion:	91	Resp:	483578
Ion Ratio	Lower	Upper	
91	100		
120	22.9	0.0	44.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.939 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052200.D

Acq: 7 Nov 2018 11:24

Instrument :

MSVOA_N

ClientSampleId :

VN1107WBS01

Tot Ion: 91 Resp: 280455

Ion Ratio Lower Upper

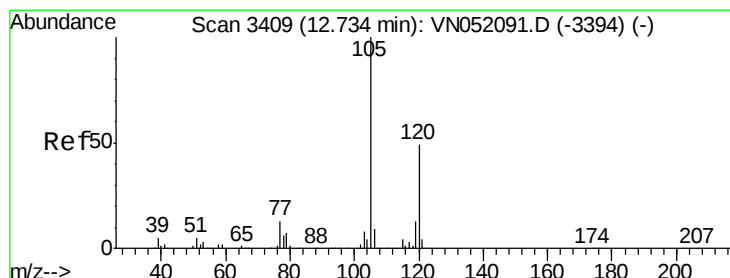
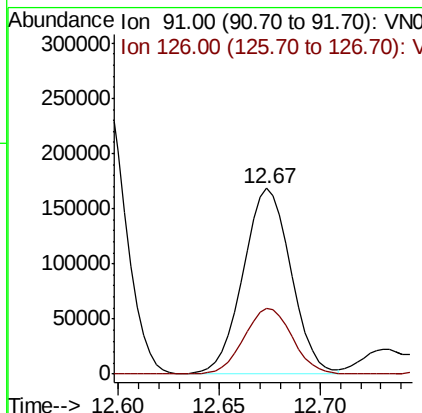
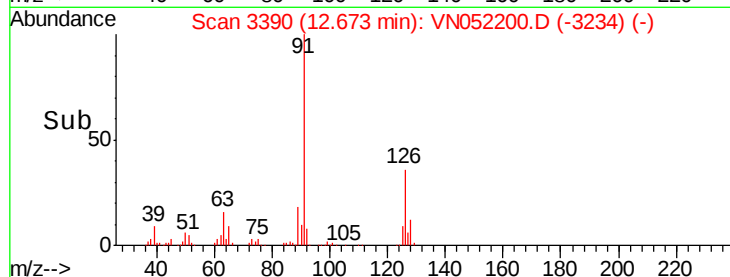
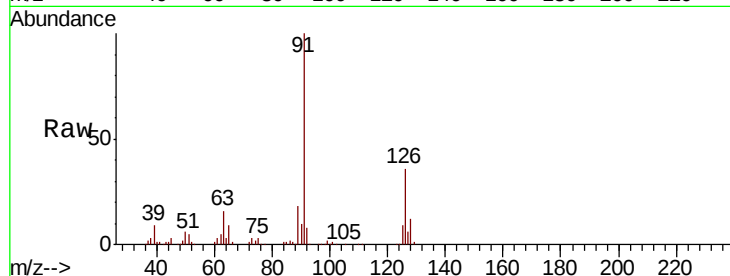
91 100

126 35.7 0.0 68.0

Manual Integrations
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#76

1,3,5-Trimethylbenzene

Concen: 19.954 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052200.D

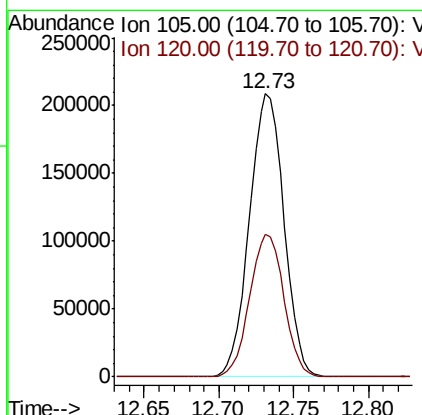
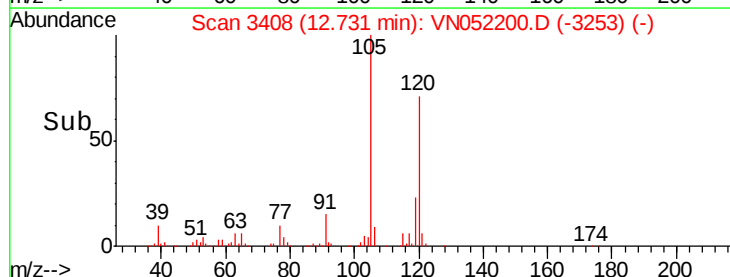
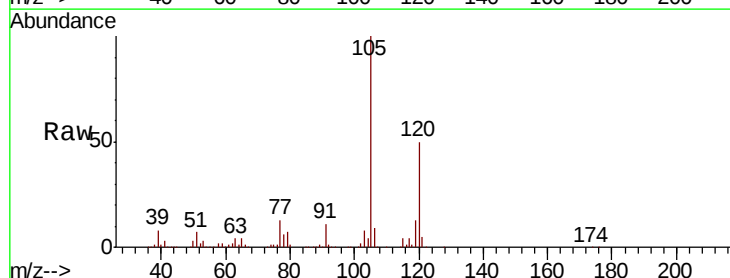
Acq: 7 Nov 2018 11:24

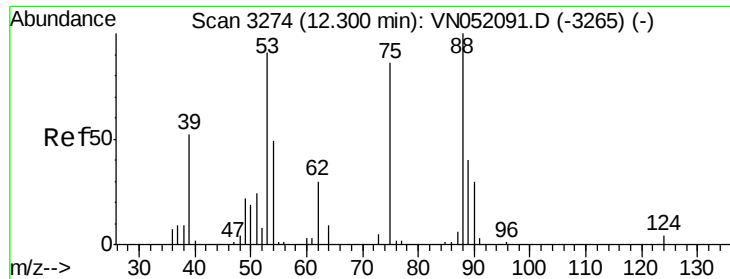
Tgt Ion: 105 Resp: 335217

Ion Ratio Lower Upper

105 100

120 49.9 0.0 95.8





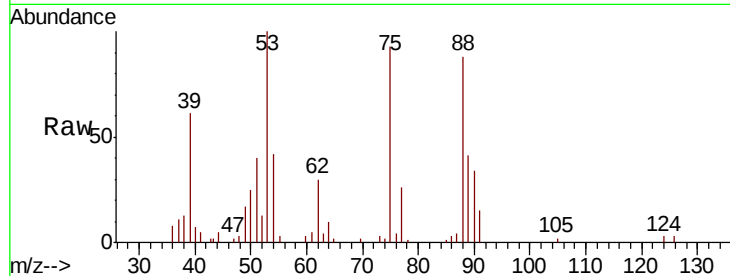
#77
t-1,4-Dichloro-2-butene
Concen: 16.969 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

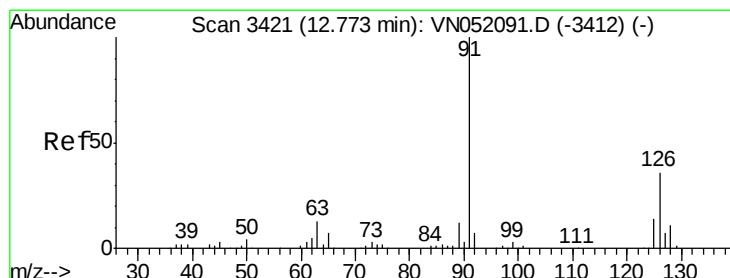
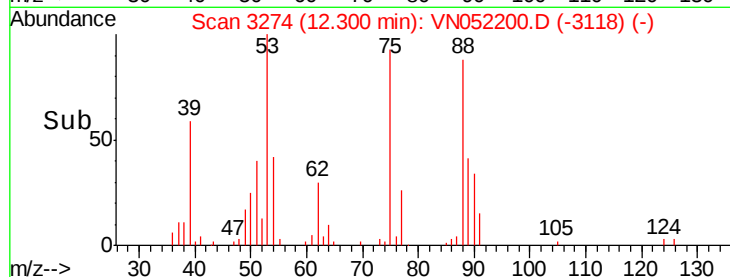
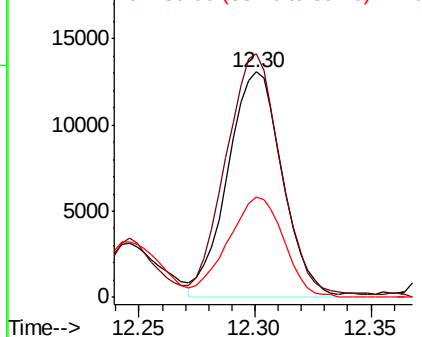
Tot Ion	Ratio	Lower	Upper
75	100		
53	107.2	50.7	152.1
89	45.3	23.8	71.5

Manual Integrations
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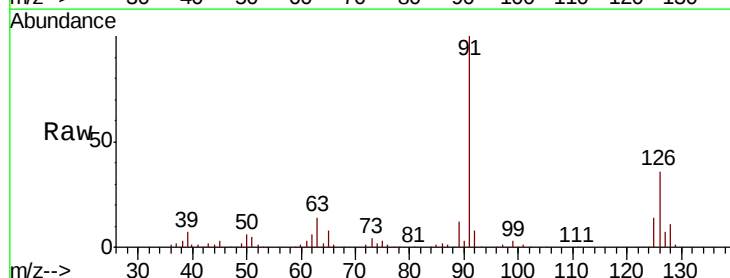


Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0

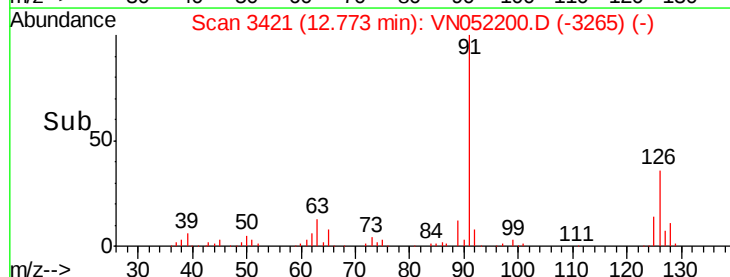
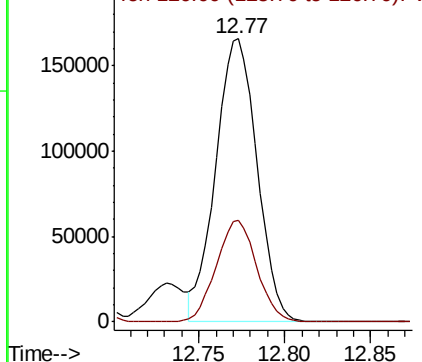


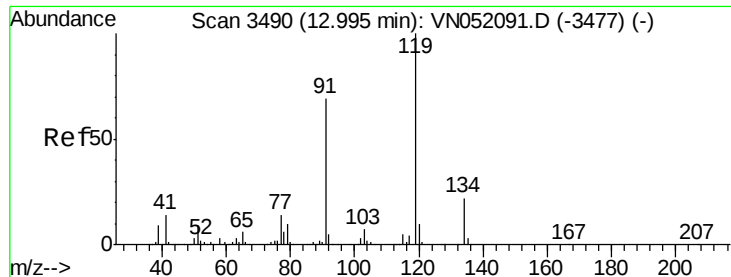
#78
4-Chlorotoluene
Concen: 19.691 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	68.0



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





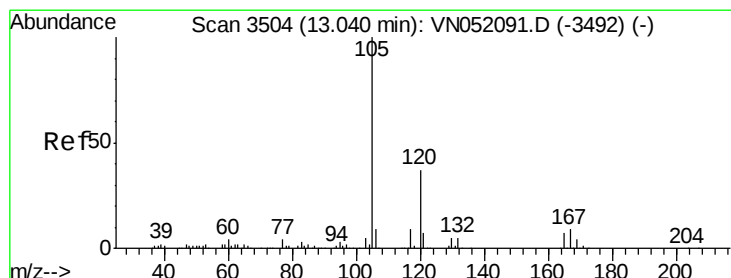
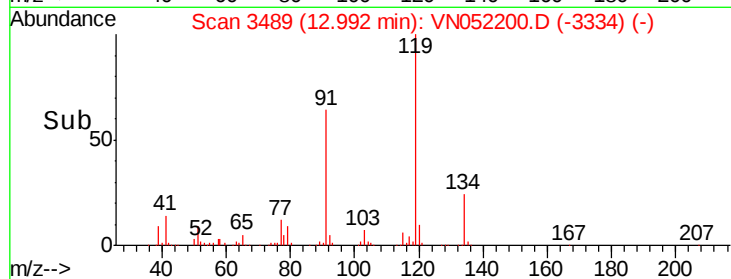
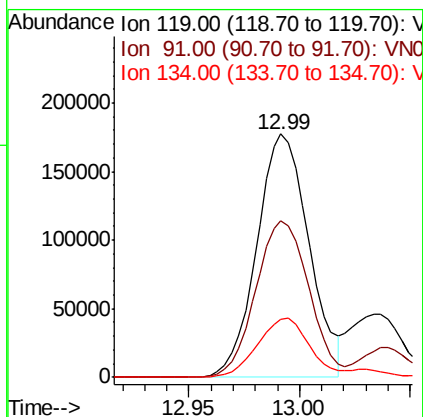
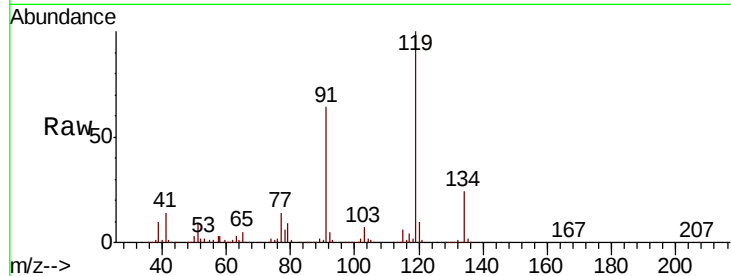
#79
tert-butylbenzene
Concen: 19.914 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291412		
91	65.4	0.0	131.2	
134	24.1	0.0	45.8	

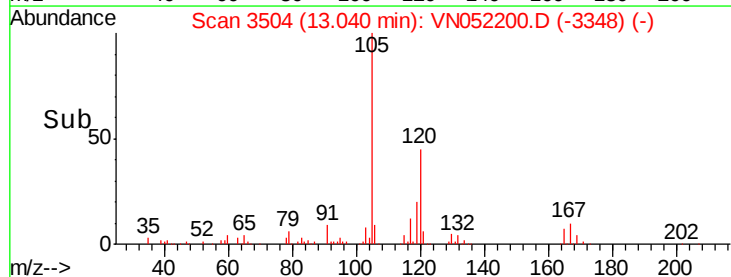
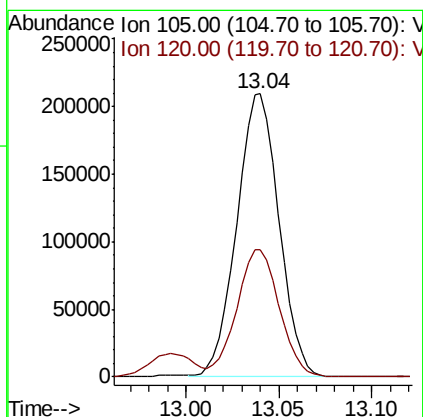
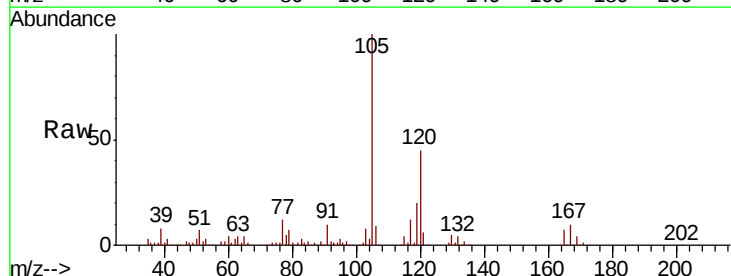
Manual Integrations
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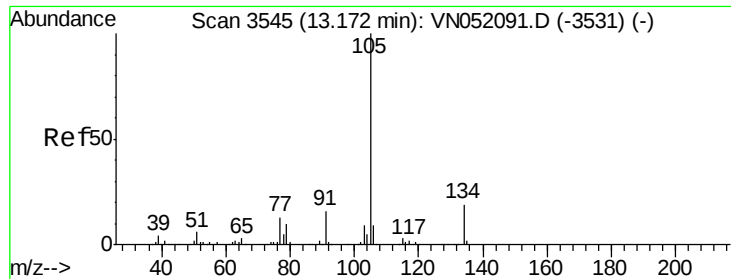
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.893 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	332924		
120	45.1	0.0	89.4	





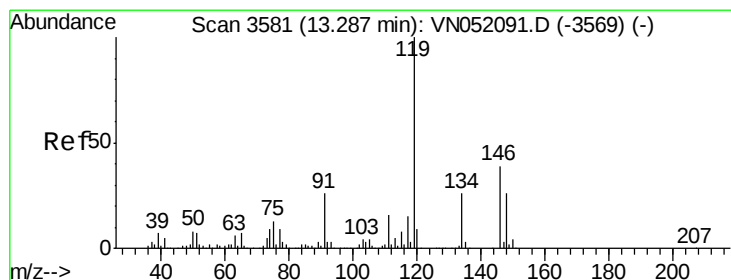
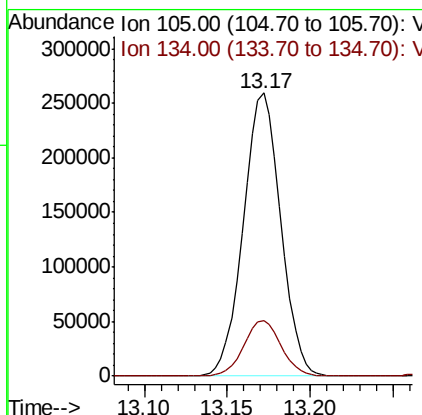
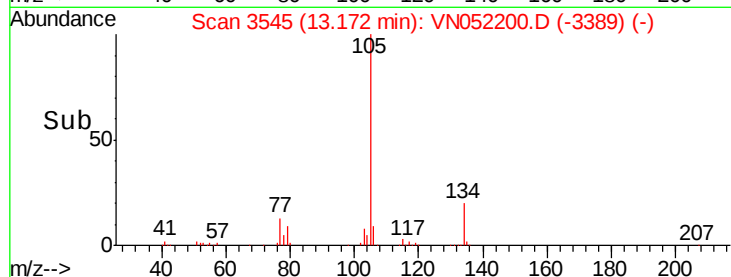
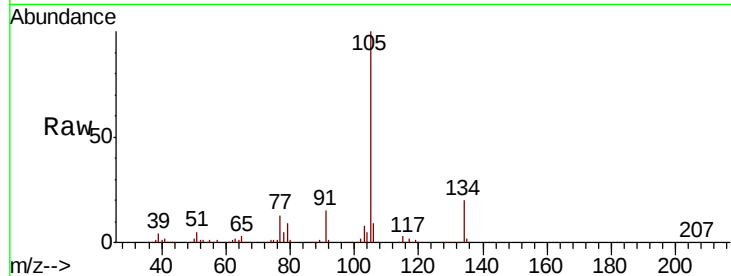
#81
 sec-Butylbenzene
 Concen: 20.115 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.6

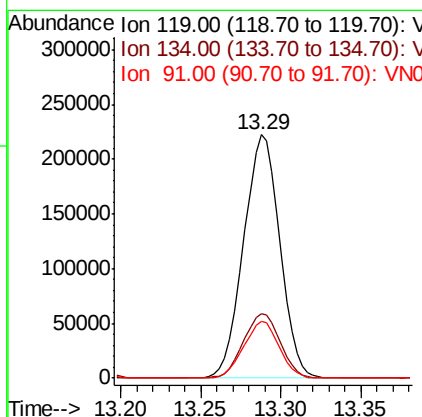
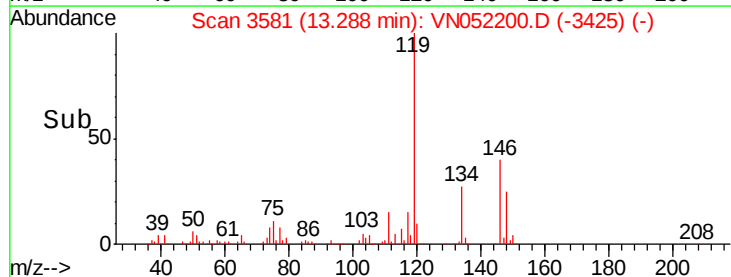
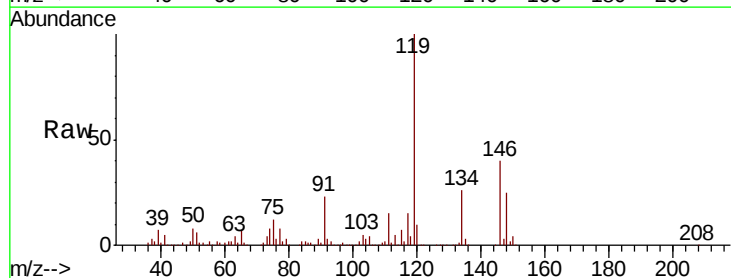
Manual Integrations
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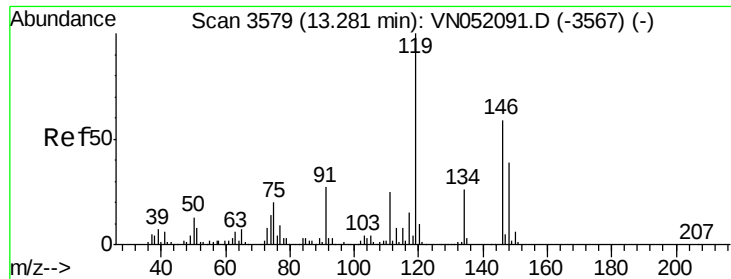
MMDadoda
 11/8/2018 9:13:52 AM



#82
 p-Isopropyltoluene
 Concen: 20.187 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	0.0	52.0
91	22.9	0.0	50.8





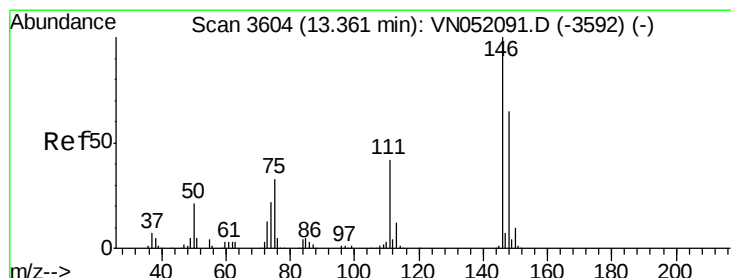
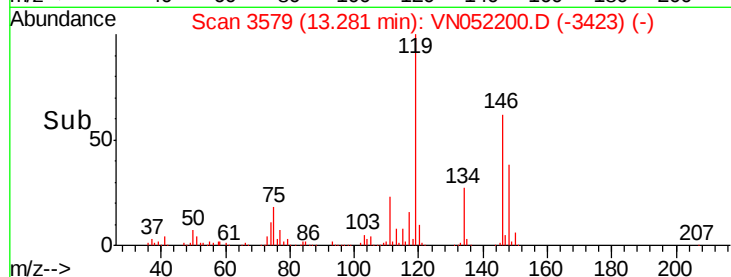
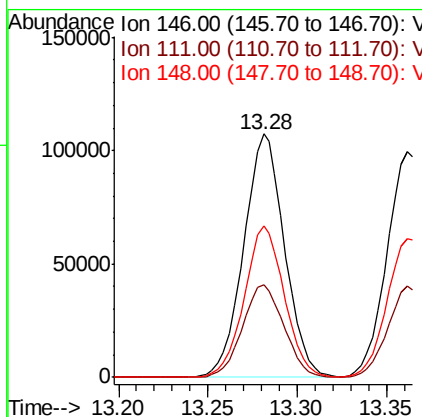
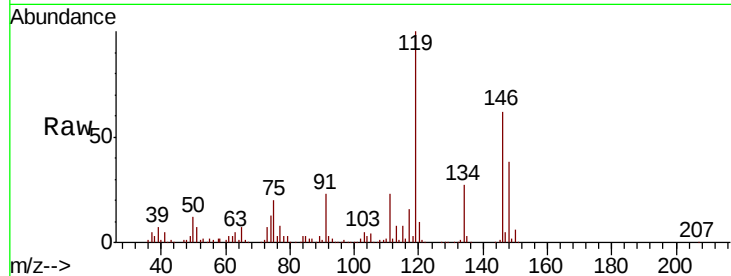
#83
 1,3-Dichlorobenzene
 Concen: 20.886 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	21.0	63.0
148	61.0	33.4	100.2

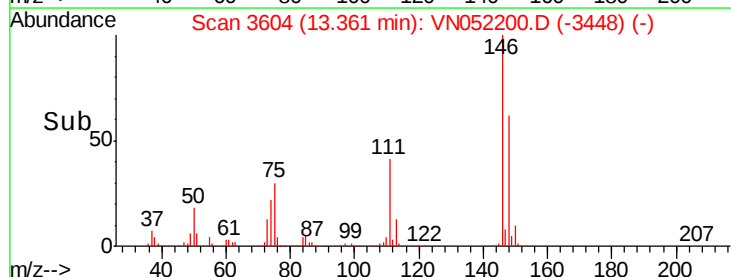
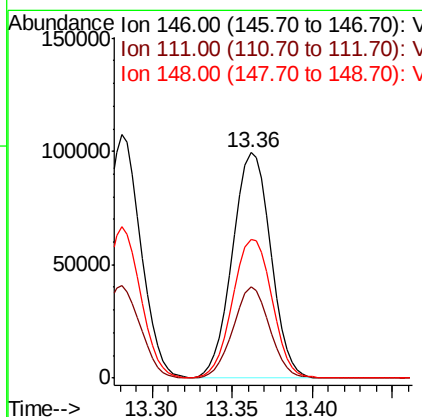
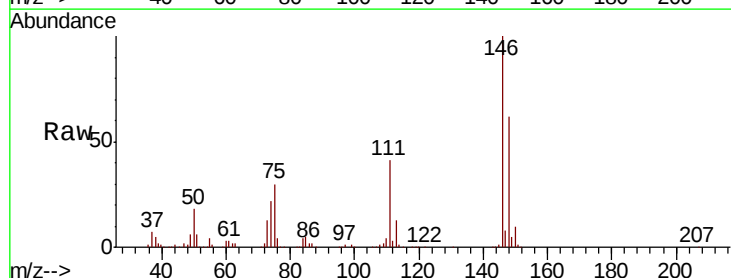
Manual Integrations
 APPROVED

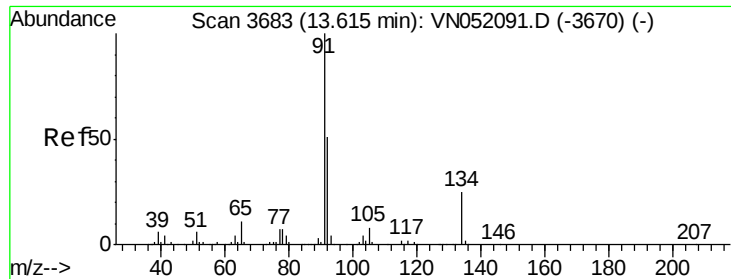
MMDadoda
 11/8/2018 9:13:52 AM



#84
 1,4-Dichlorobenzene
 Concen: 20.023 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.4	64.2
148	63.3	32.6	98.0





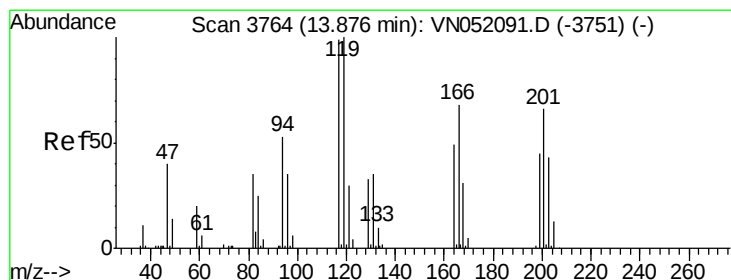
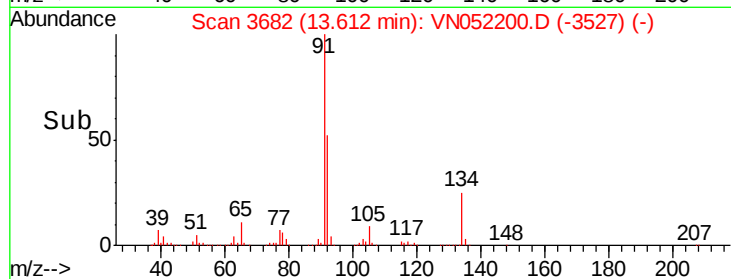
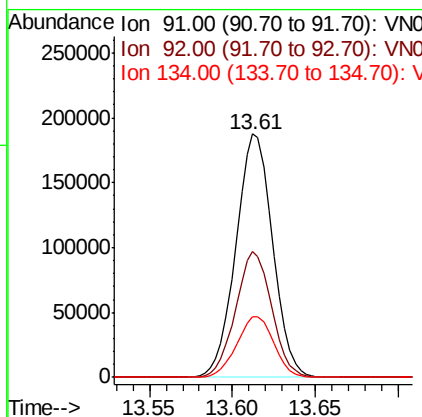
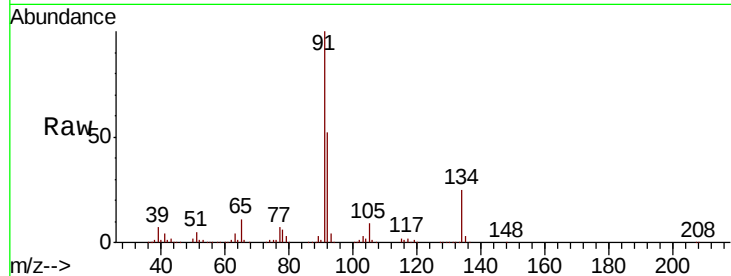
#85
n-Butylbenzene
Concen: 19.561 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	288142		
92	50.8		0.0	102.8
134	25.1		0.0	49.2

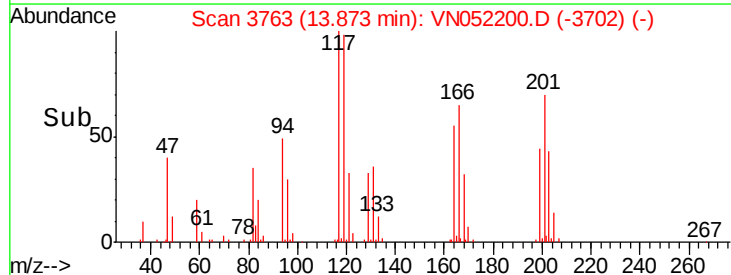
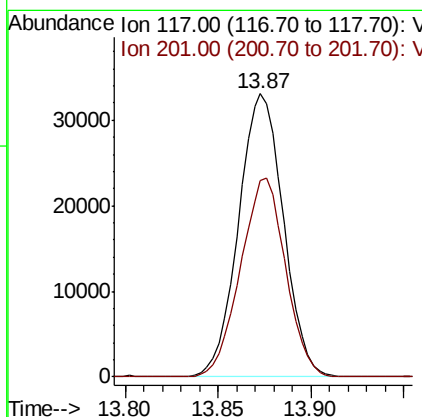
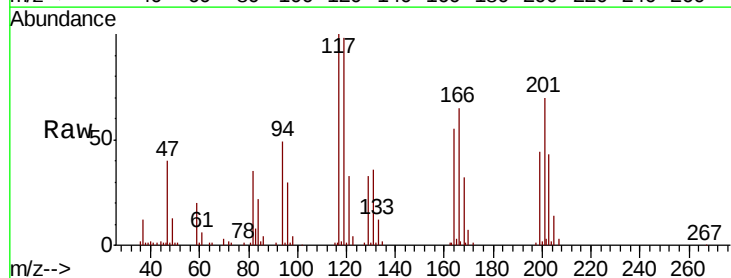
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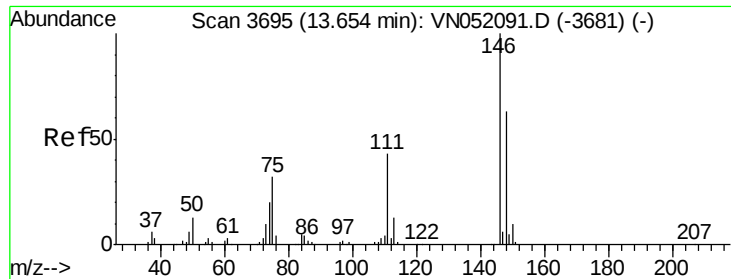
MMDadoda
11/8/2018 9:13:52 AM



#86
Hexachloroethane
Concen: 19.401 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	55720		
201	70.7		32.2	96.6





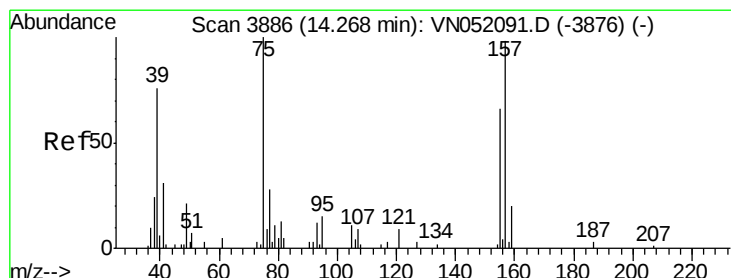
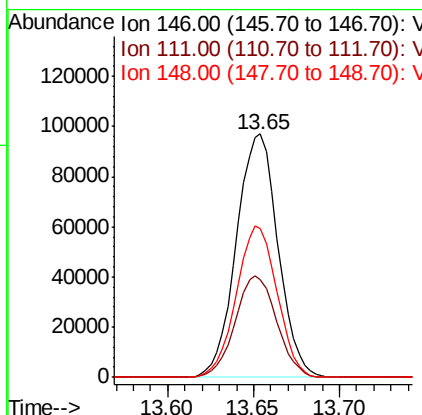
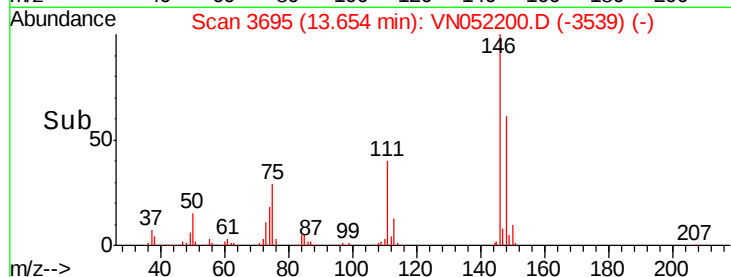
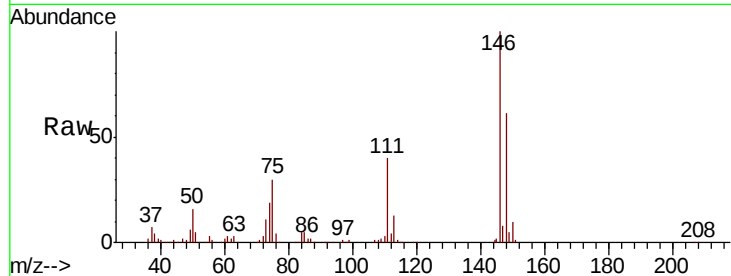
#87
 1,2-Dichlorobenzene
 Concen: 20.909 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	22.4	67.0
148	61.1	32.5	97.4

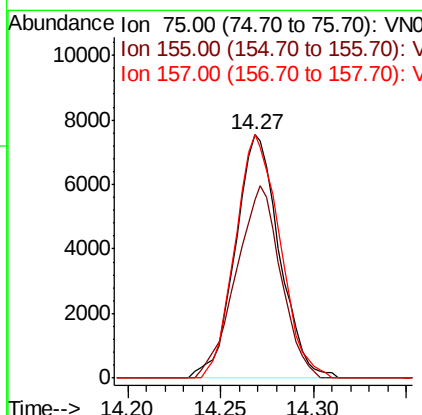
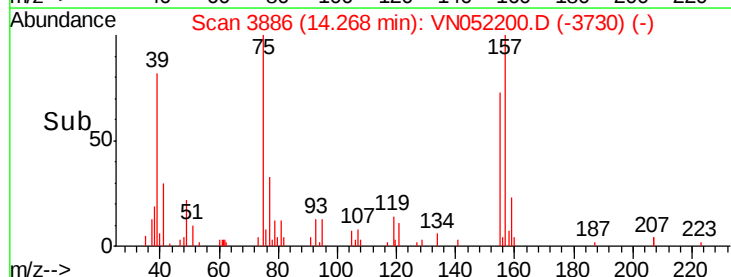
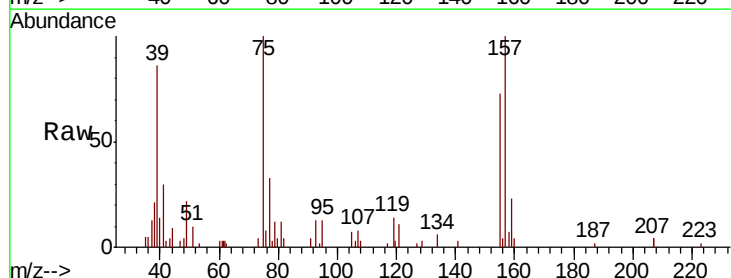
Manual Integrations
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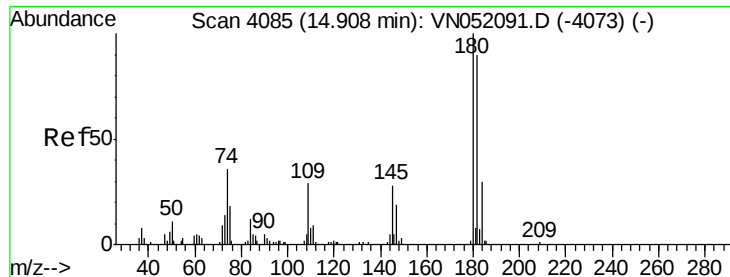
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 11/8/2018 9:13:52 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.701 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.1	56.7	85.1
157	101.4	80.4	120.6





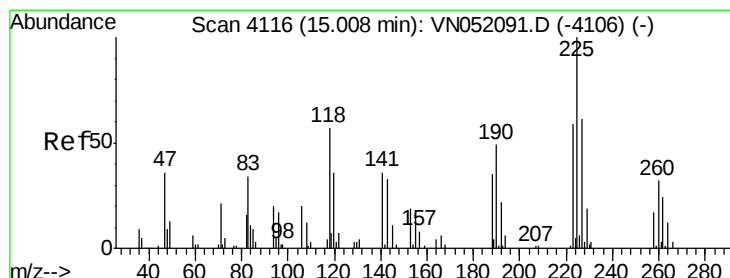
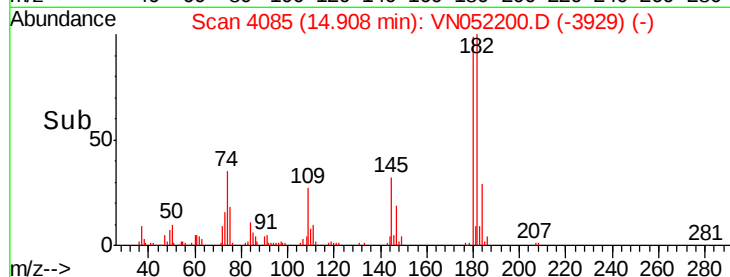
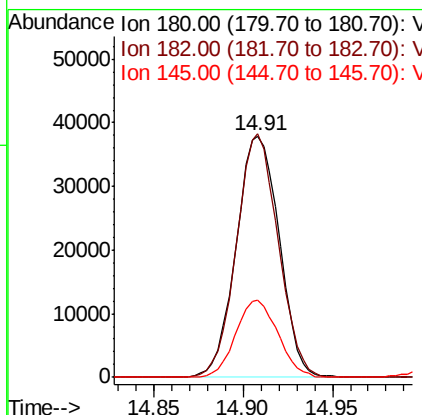
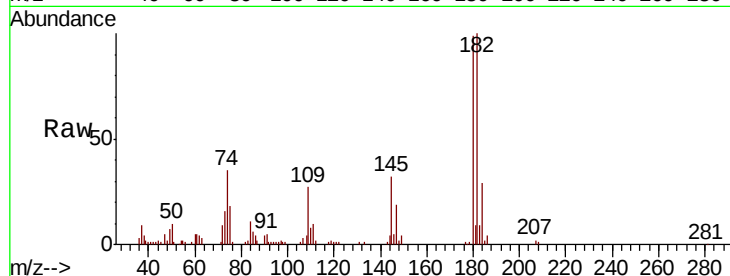
#89
 1,2,4-Trichlorobenzene
 Concen: 20.126 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1107WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.0	74.0	111.0
145	31.0	24.6	36.8

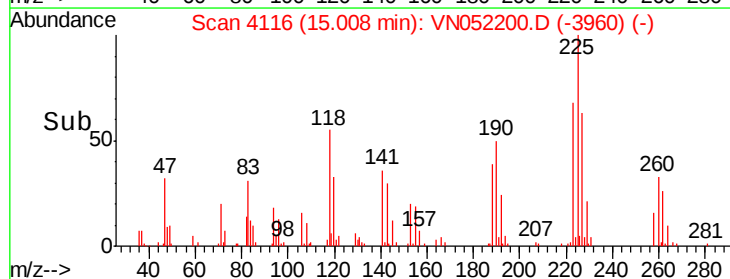
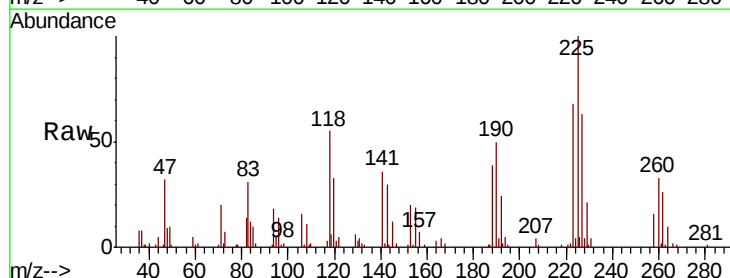
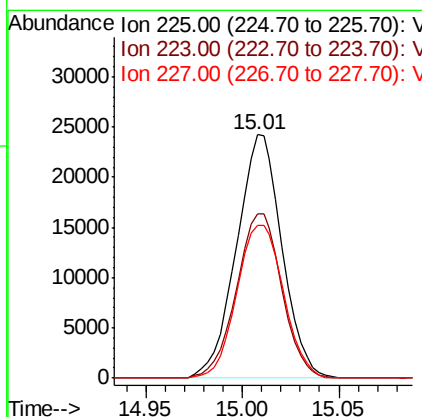
Manual Integrations
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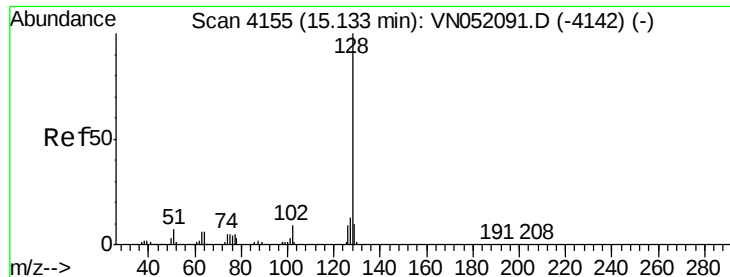
MMDadoda
 11/8/2018 9:13:52 AM



#90
 Hexachlorobutadiene
 Concen: 22.851 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052200.D
 Acq: 7 Nov 2018 11:24

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.4	0.0	121.2
227	64.3	0.0	127.2





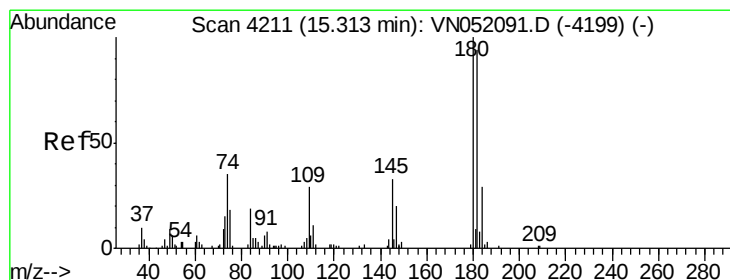
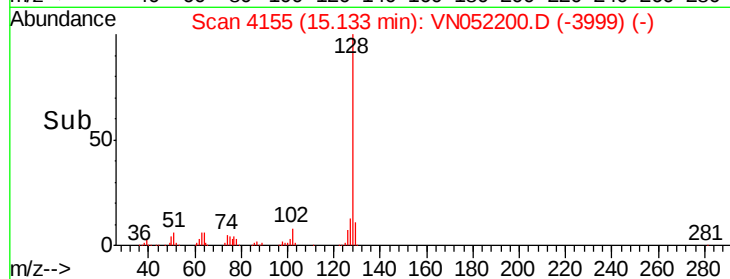
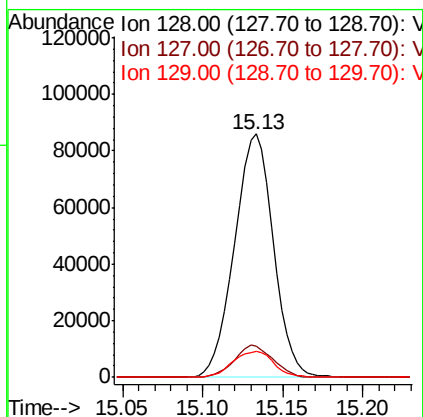
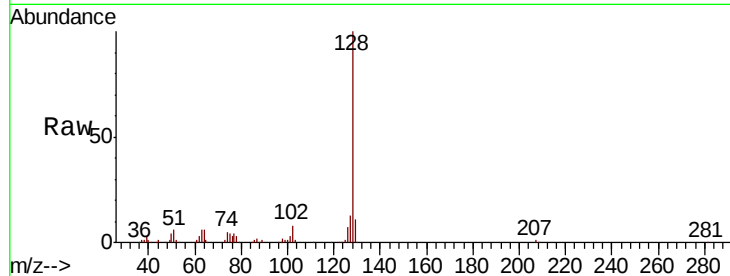
#91
Naphthalene
Concen: 19.491 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Instrument :
MSVOA_N
ClientSampleId :
VN1107WBS01

Tot Ion:	128	Resp:	142271
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	11.4	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/8/2018 9:13:52 AM



#92
1,2,3-Trichlorobenzene
Concen: 20.859 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052200.D
Acq: 7 Nov 2018 11:24

Tgt Ion:	180	Resp:	57572
Ion Ratio	Lower	Upper	
180	100		
182	96.6	0.0	186.6
145	33.0	0.0	66.6

