

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
 Data File : VN055434.D
 Acq On : 7 May 2019 13:48
 Operator : JC/SP
 Sample : VN0507WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/8/2019 10:21:48 AM

Quant Time: May 08 06:45:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:16:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	358113	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	561226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	481670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	182143	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	235480	50.26	ug/l	0.00
Spiked Amount						
						Recovery = 100.52%
35) Dibromofluoromethane	7.59	113	182233	49.47	ug/l	0.00
Spiked Amount						
						Recovery = 98.94%
50) Toluene-d8	10.09	98	641728	48.25	ug/l	0.00
Spiked Amount						
						Recovery = 96.50%
62) 4-Bromofluorobenzene	12.40	95	211208	50.81	ug/l	0.00
Spiked Amount						
						Recovery = 101.62%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	78406	17.870	ug/l	97
3) Chloromethane	2.06	50	87579	16.120	ug/l	100
4) Vinyl Chloride	2.19	62	77225	17.633	ug/l	100
5) Bromomethane	2.57	94	42878	18.484	ug/l	97
6) Chloroethane	2.71	64	42145	17.764	ug/l	96
7) Trichlorofluoromethane	3.02	101	116506	18.709	ug/l	97
8) Diethyl Ether	3.42	74	44959	20.635	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	70084	18.899	ug/l	98
10) Methyl Iodide	3.96	142	91744	17.579	ug/l	99
11) Tert butyl alcohol	4.80	59	32104	119.690	ug/l #	91
12) 1,1-Dichloroethene	3.74	96	66356	18.758	ug/l	99
13) Acrolein	3.62	56	11403	54.436	ug/l	94
14) Allyl chloride	4.33	41	142778	19.488	ug/l	100
15) Acrylonitrile	5.00	53	165415	109.716	ug/l	99
16) Acetone	3.82	43	144661	99.099	ug/l	99
17) Carbon Disulfide	4.06	76	139204	15.078	ug/l	100
18) Methyl Acetate	4.33	43	87013	23.929	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	213339	21.452	ug/l	98
20) Methylene Chloride	4.56	84	81769	18.352	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	70300	18.764	ug/l	94
22) Diisopropyl ether	5.95	45	306467	21.052	ug/l	92
23) Vinyl Acetate	5.90	43	1014880	106.372	ug/l	99
24) 1,1-Dichloroethane	5.85	63	156520	20.180	ug/l	98
25) 2-Butanone	6.84	43	207325	111.056	ug/l	98
26) 2,2-Dichloropropane	6.83	77	104845	19.575	ug/l	80
27) cis-1,2-Dichloroethene	6.83	96	85565	20.083	ug/l	99
28) Bromochloromethane	7.20	49	79014	20.210	ug/l	100
29) Tetrahydrofuran	7.22	42	137793	115.270	ug/l	98
30) Chloroform	7.37	83	149127	20.282	ug/l	100
31) Cyclohexane	7.66	56	135839	18.433	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	116271	19.485	ug/l	98
36) 1,1-Dichloropropene	7.80	75	96159	17.888	ug/l	98
37) Ethyl Acetate	6.93	43	91968	22.322	ug/l #	96
38) Carbon Tetrachloride	7.78	117	98067	18.911	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	111899	19.578	ug/l	98
40) Benzene	8.04	78	317794	20.054	ug/l	99
41) Methacrylonitrile	7.18	41	45629	20.900	ug/l	93
42) 1,2-Dichloroethane	8.12	62	113852	20.285	ug/l	98
43) Isopropyl Acetate	8.17	43	153493	23.182	ug/l	97
44) Trichloroethene	8.84	130	77900	19.283	ug/l	98
45) 1,2-Dichloropropane	9.12	63	92632	20.267	ug/l	99
46) Dibromomethane	9.21	93	51237	20.509	ug/l	98
47) Bromodichloromethane	9.40	83	111886	20.876	ug/l	99
48) Methyl methacrylate	9.20	41	71989	22.117	ug/l	99
49) 1,4-Dioxane	9.20	88	16427	488.210	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	432758	116.090	ug/l	98
52) Toluene	10.16	92	180714	19.875	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	94714	20.357	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	118332	20.399	ug/l	95
55) 1,1,2-Trichloroethane	10.56	97	70600	20.909	ug/l	98
56) Ethyl methacrylate	10.43	69	93213	22.429	ug/l	98
57) 1,3-Dichloropropane	10.71	76	124984	21.101	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	96871	83.785	ug/l	99
59) 2-Hexanone	10.75	43	274739	117.792	ug/l	99
60) Dibromochloromethane	10.90	129	73764	21.375	ug/l	99
61) 1,2-Dibromoethane	11.01	107	63830	20.453	ug/l	97
64) Tetrachloroethene	10.63	164	75625	19.199	ug/l	99
65) Chlorobenzene	11.43	112	182149	19.342	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	72022	19.531	ug/l	98
67) Ethyl Benzene	11.51	91	332816	19.571	ug/l	100
68) m/p-Xylenes	11.62	106	242359	39.927	ug/l	98
69) o-Xylene	11.95	106	120971	20.107	ug/l	99
70) Styrene	11.96	104	189288	20.491	ug/l	98
71) Bromoform	12.13	173	44384	21.691	ug/l #	99
73) Isopropylbenzene	12.25	105	330387	20.960	ug/l	99
74) N-amyl acetate	12.07	43	100867	21.578	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	86619	22.236	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	81774m	22.783	ug/l	
77) Bromobenzene	12.53	156	75484	20.419	ug/l	98
78) n-propylbenzene	12.59	91	353036	18.869	ug/l	99
79) 2-Chlorotoluene	12.67	91	222305	20.975	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	271698	19.027	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	19145	19.919	ug/l	90
82) 4-Chlorotoluene	12.77	91	206429	18.976	ug/l	99
83) tert-Butylbenzene	12.99	119	237095	21.817	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	254369	19.918	ug/l	100
85) sec-Butylbenzene	13.17	105	310057	19.977	ug/l	99
86) p-Isopropyltoluene	13.29	119	253355	19.861	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	118459	19.436	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	112468	19.594	ug/l	99
89) n-Butylbenzene	13.61	91	179169	19.766	ug/l	98
90) Hexachloroethane	13.87	117	43811	20.769	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	120519	19.951	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11891	24.815	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	38119	18.257	ug/l	97
94) Hexachlorobutadiene	15.01	225	45893	23.779	ug/l	97
95) Naphthalene	15.13	128	74747	17.109	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	42695	19.866	ug/l	99

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

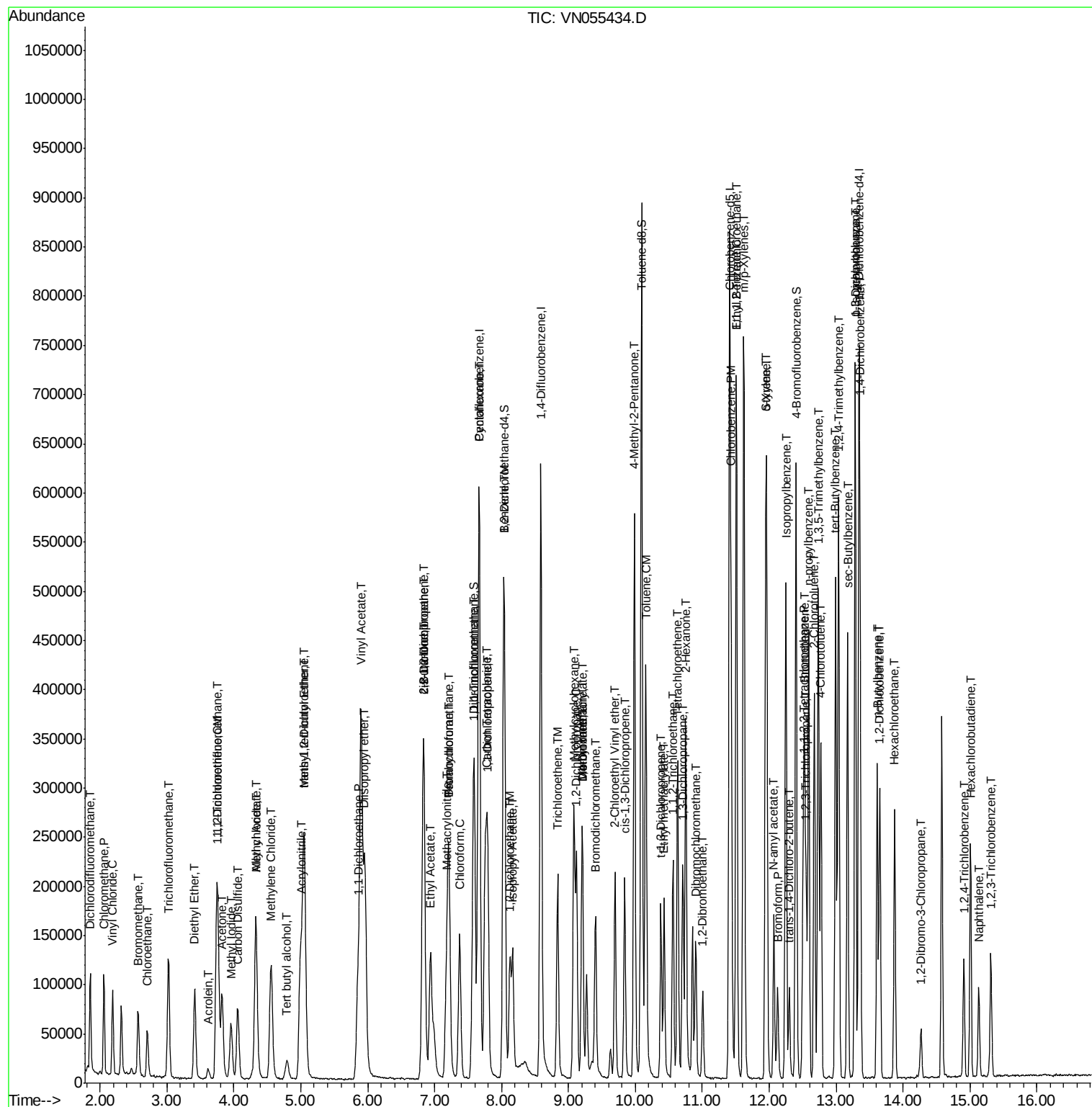
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050719\
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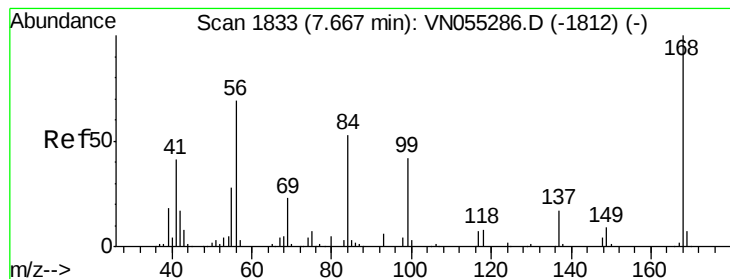
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion:168 Resp: 358113

Ion Ratio Lower Upper

168 100

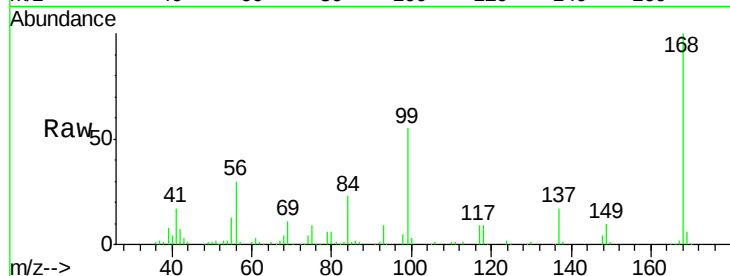
99 54.8 43.6 65.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

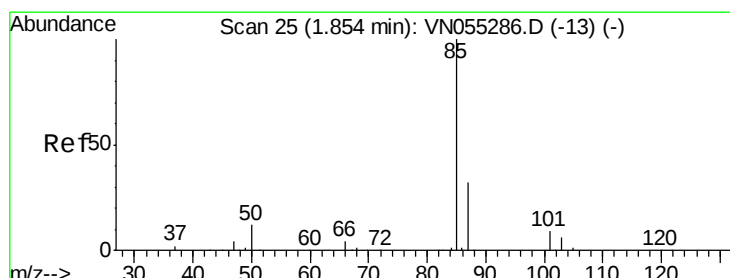
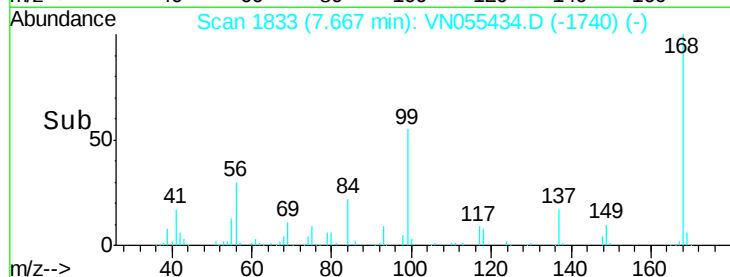
150000

100000

50000

0

Time--> 7.50 7.60 7.70 7.80



#2

Dichlorodifluoromethane

Concen: 17.870 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055434.D

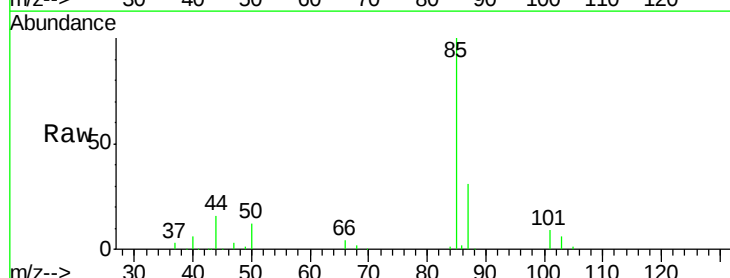
Acq: 7 May 2019 13:48

Tgt Ion: 85 Resp: 78406

Ion Ratio Lower Upper

85 100

87 30.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

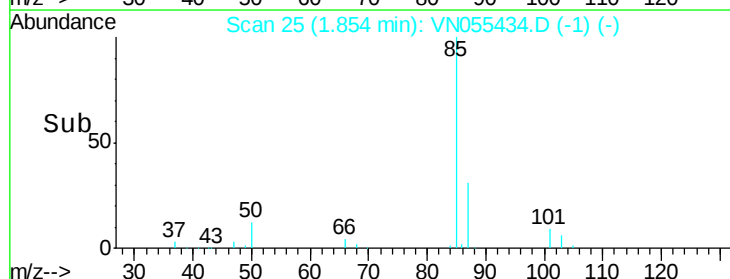
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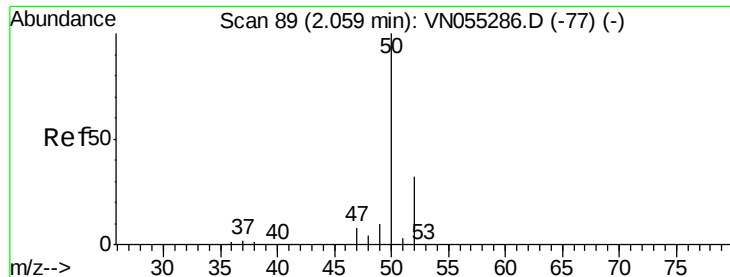
20000

10000

0

Time--> 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 16.120 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 50 Resp: 87579

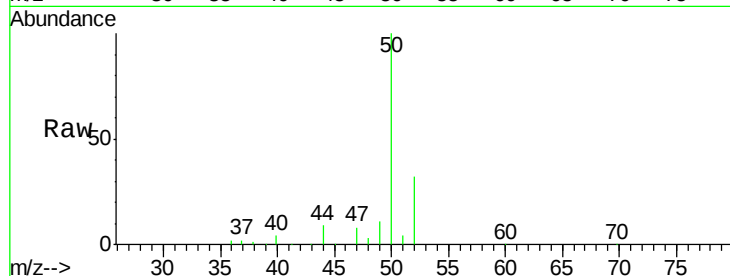
Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5

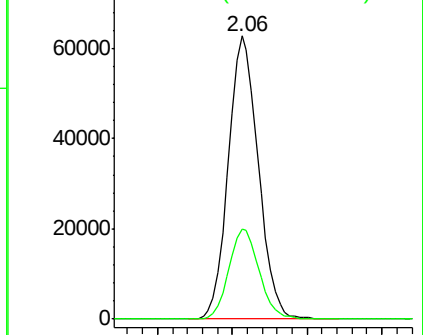
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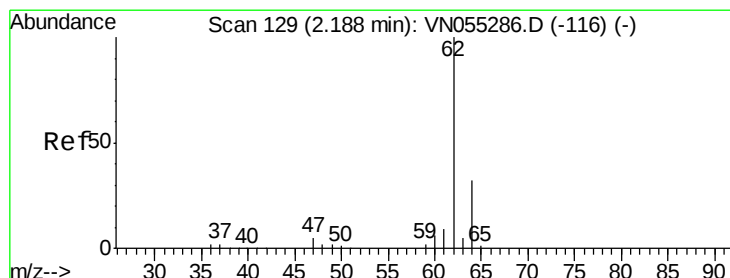
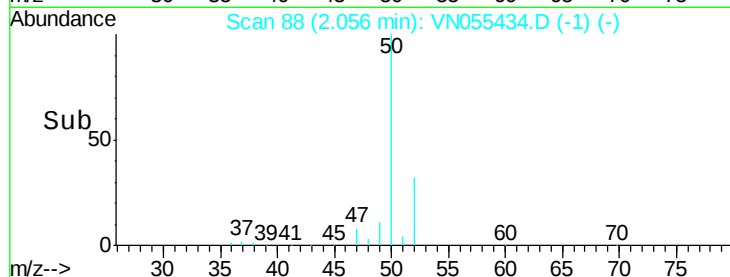


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 17.633 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055434.D

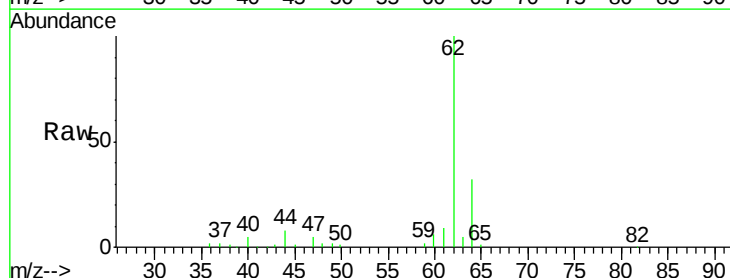
Acq: 7 May 2019 13:48

Tgt Ion: 62 Resp: 77225

Ion Ratio Lower Upper

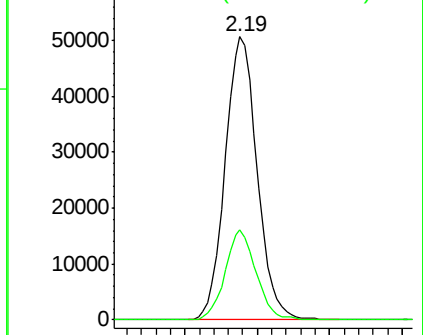
62 100

64 31.7 25.5 38.3

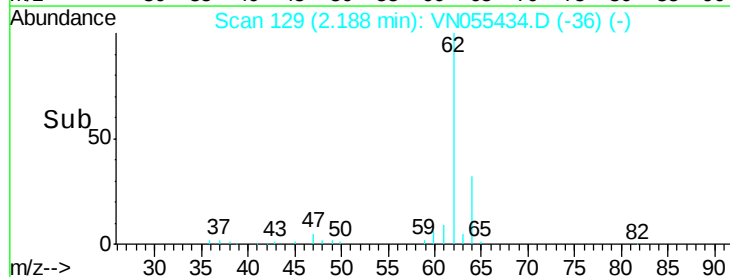


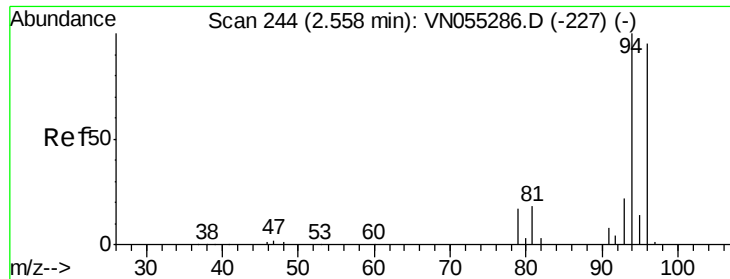
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 18.484 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.01 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

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VN0507WBS01

Tot Ion: 94 Resp: 42878

Ion Ratio Lower Upper

94 100

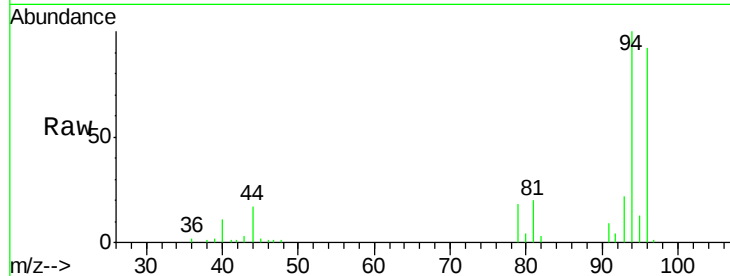
96 92.3 76.0 114.0

Manual Integrations

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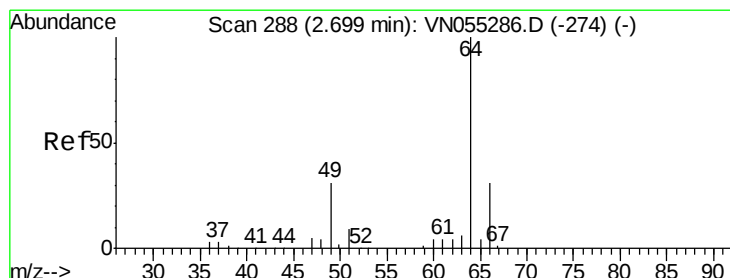
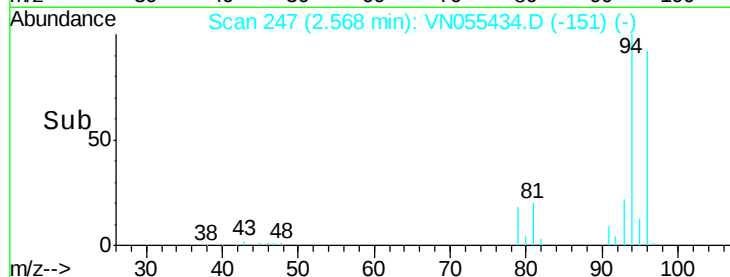
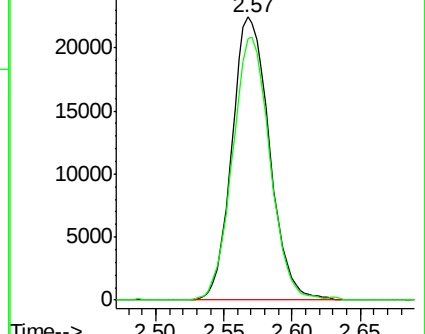
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.764 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.01 min

Lab File: VN055434.D

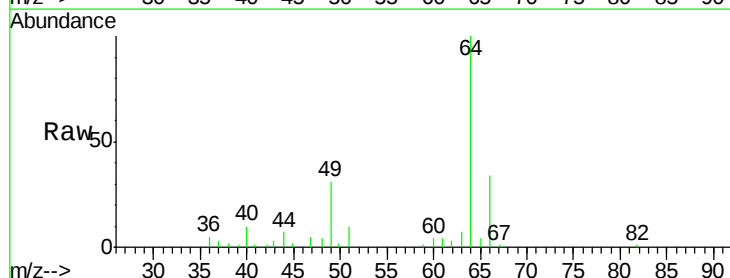
Acq: 7 May 2019 13:48

Tgt Ion: 64 Resp: 42145

Ion Ratio Lower Upper

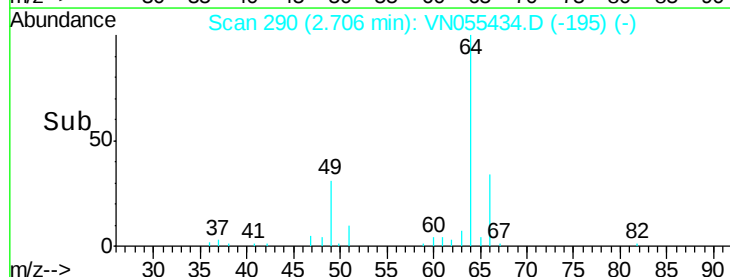
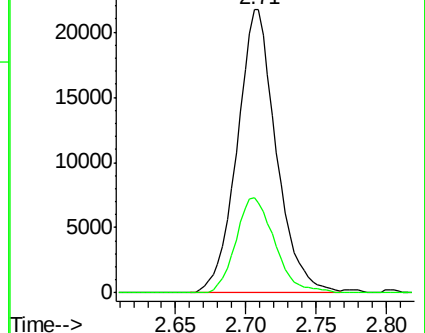
64 100

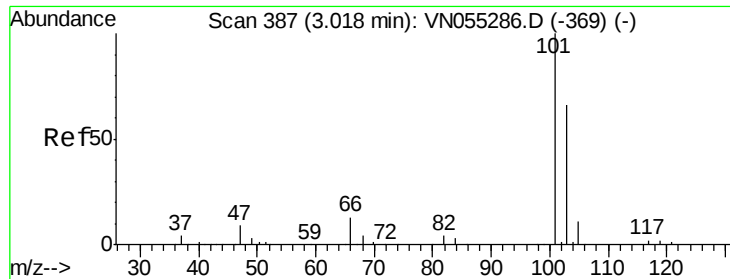
66 33.6 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

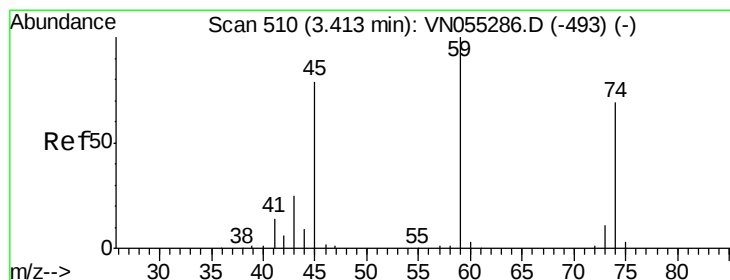
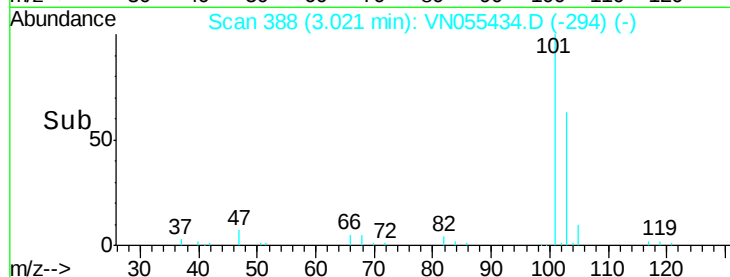
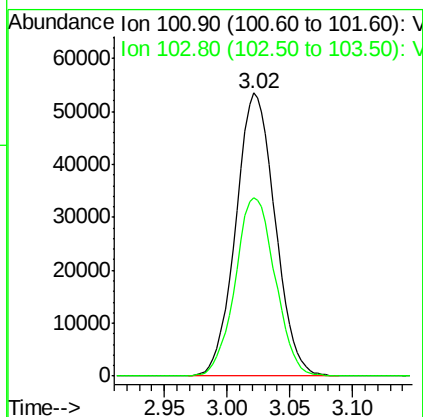
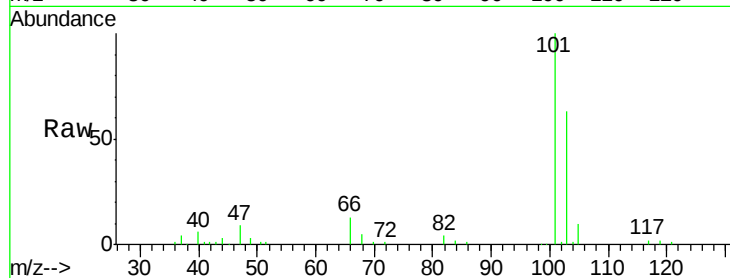
Trichlorofluoromethane
Concen: 18.709 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
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ClientSampleId :
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Tot Ion:101 Resp: 116506
Ion Ratio Lower Upper
101 100
103 63.1 52.6 79.0

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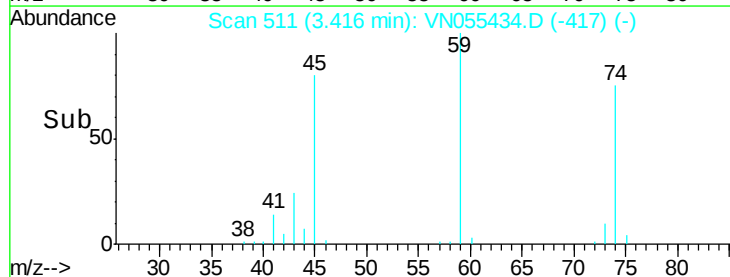
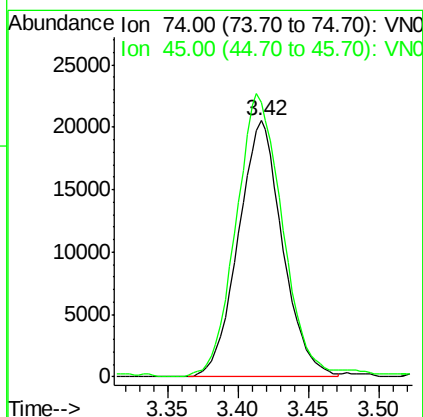
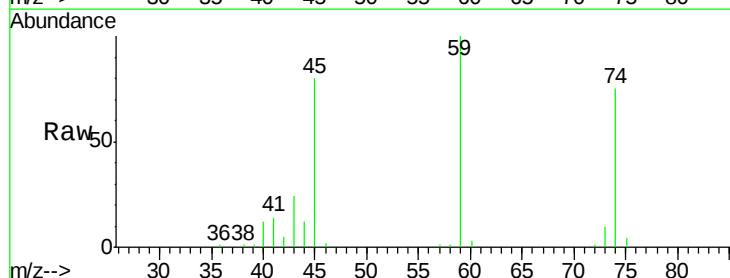
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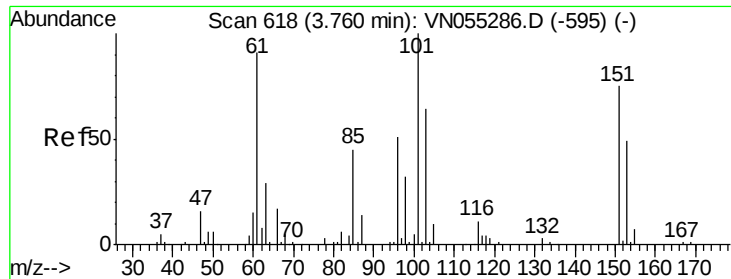


#8

Diethyl Ether
Concen: 20.635 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion: 74 Resp: 44959
Ion Ratio Lower Upper
74 100
45 118.0 58.9 176.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.899 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.01 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

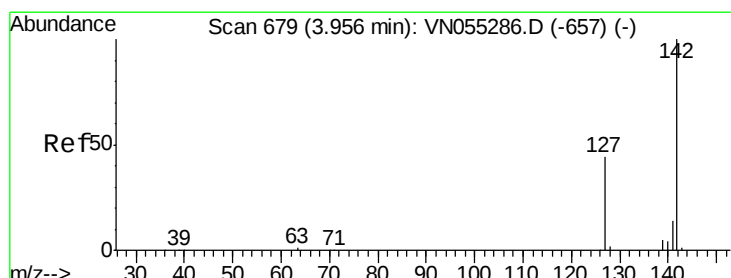
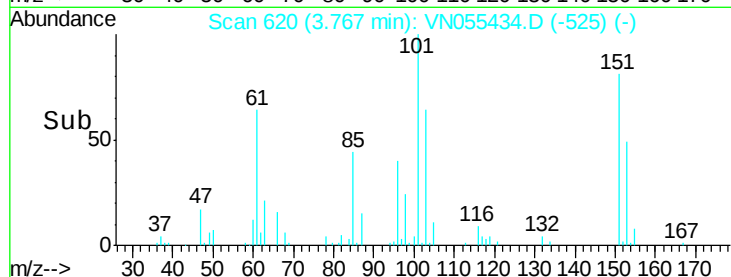
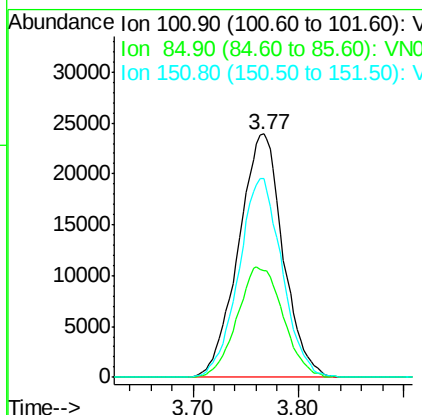
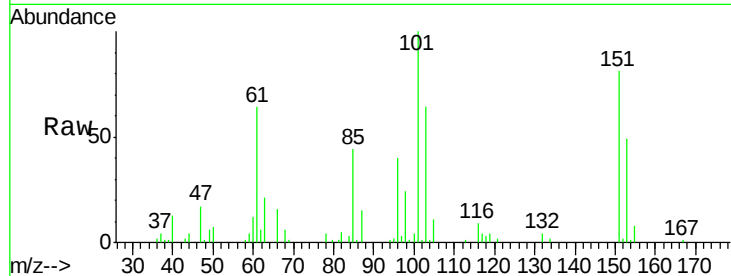
ClientSampleId :

VN0507WBS01

Tot Ion:	101	Resp:	70084
Ion Ratio	Lower	Upper	
101	100		
85	46.7	35.7	53.5
151	79.7	63.3	94.9

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#10

Methyl Iodide

Concen: 17.579 ug/l

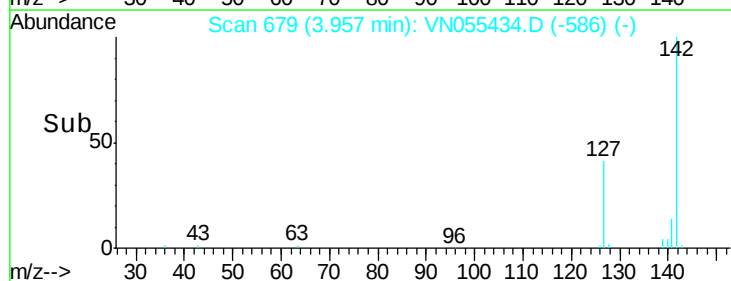
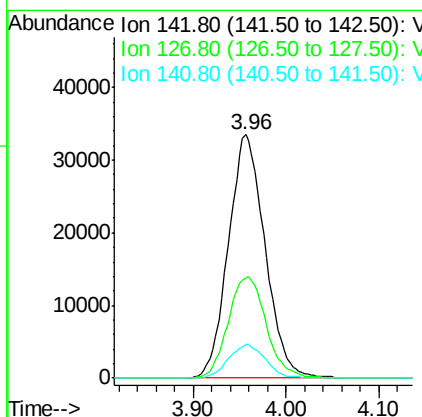
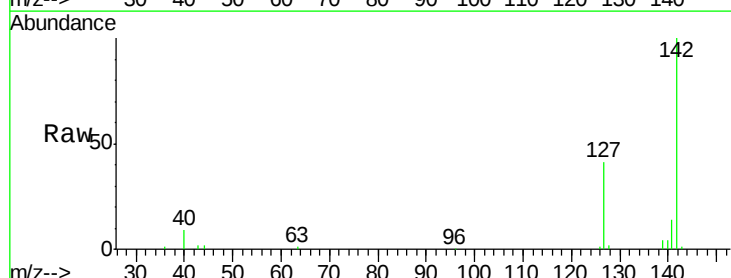
RT: 3.96 min Scan# 679

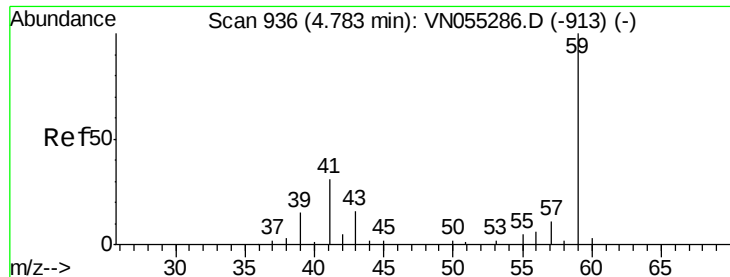
Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Tgt Ion:	142	Resp:	91744
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.4	51.6
141	13.6	11.5	17.3





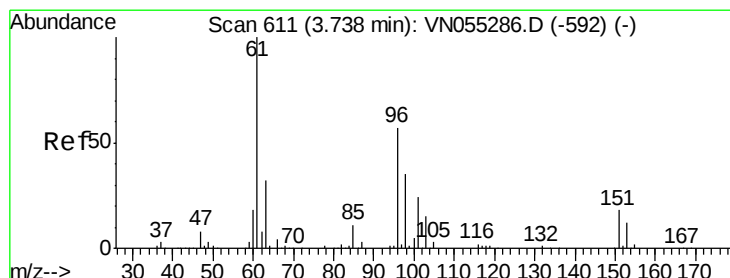
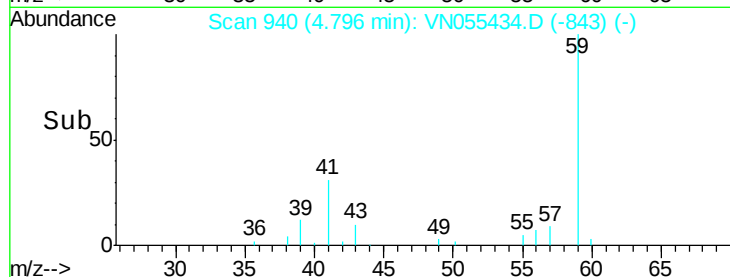
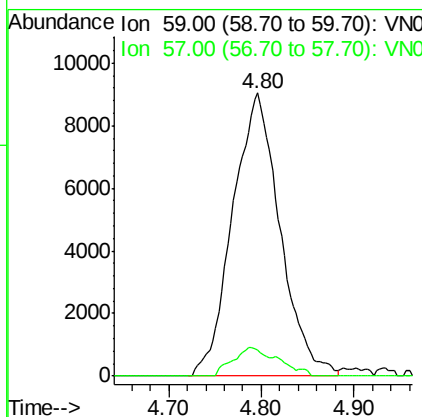
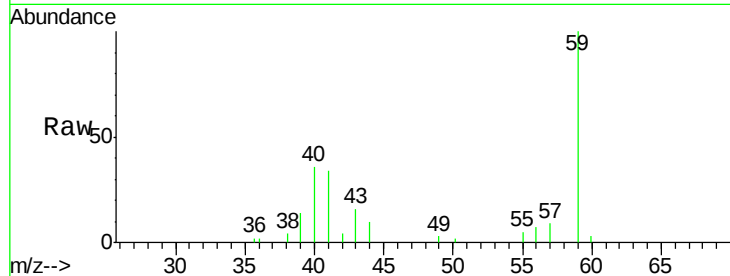
#11
Tert butyl alcohol
Concen: 119.690 ug/l
RT: 4.80 min Scan# 940
Delta R.T. 0.01 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion: 59 Resp: 32104
Ion Ratio Lower Upper
59 100
57 6.8 8.2 12.2#

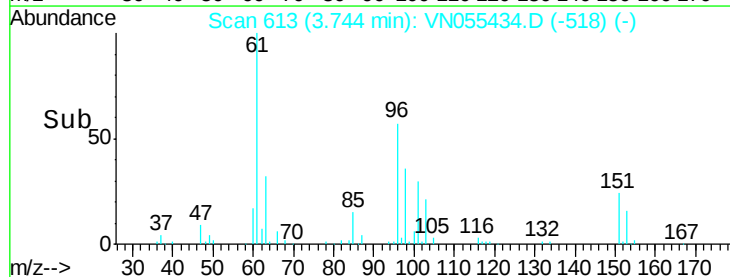
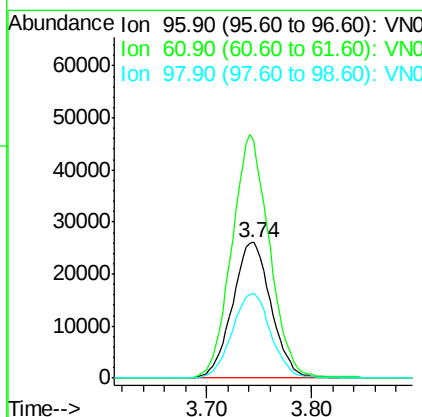
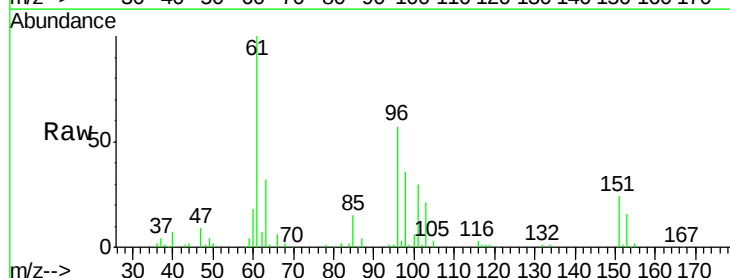
Manual Integrations
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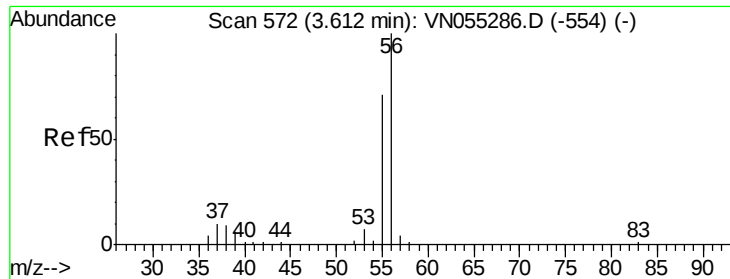
MMDadoda
5/8/2019 10:21:48 AM



#12
1,1-Dichloroethene
Concen: 18.758 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion: 96 Resp: 66356
Ion Ratio Lower Upper
96 100
61 175.2 140.9 211.3
98 62.3 50.0 75.0





#13

Acrolein

Concen: 54.436 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion: 56 Resp: 11403

Ion Ratio Lower Upper

56 100

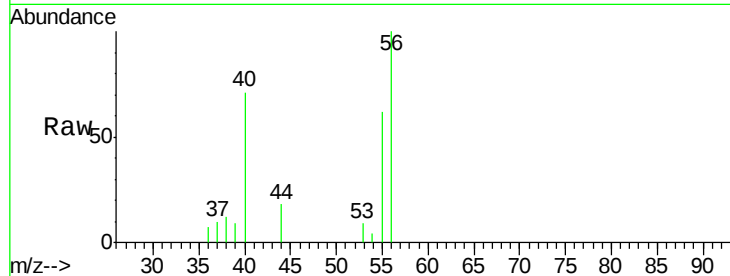
55 77.1 57.4 86.2

Manual Integrations

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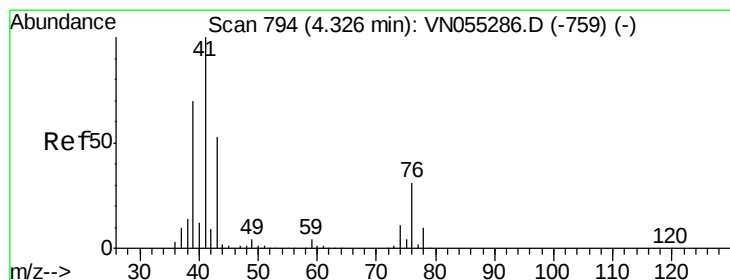
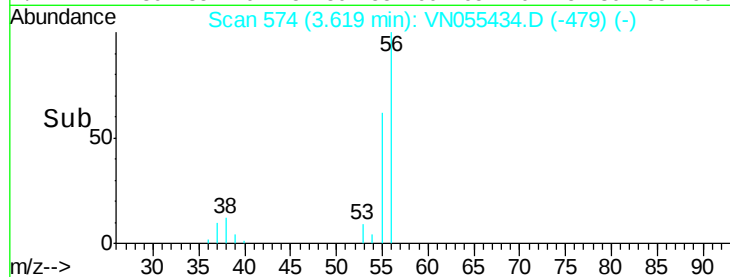
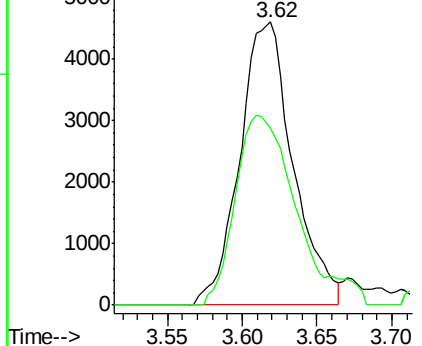
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Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 19.488 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

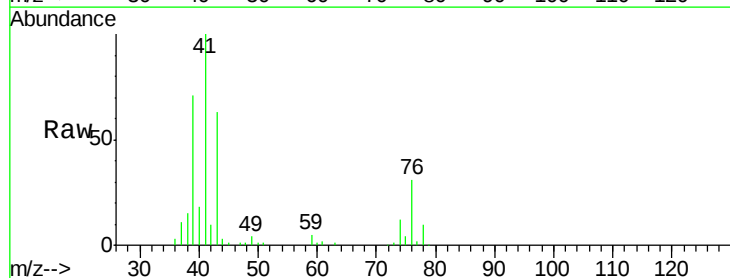
Tgt Ion: 41 Resp: 142778

Ion Ratio Lower Upper

41 100

39 66.0 53.0 79.6

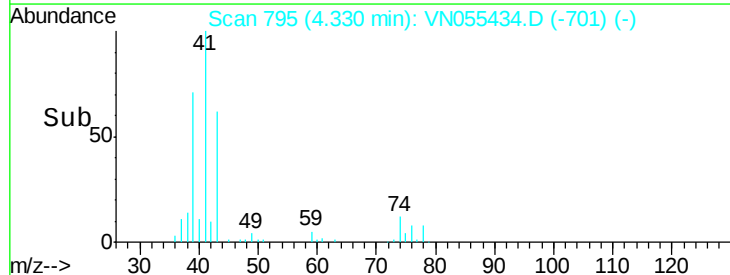
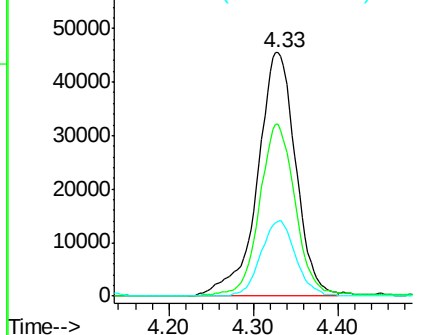
76 28.3 22.7 34.1

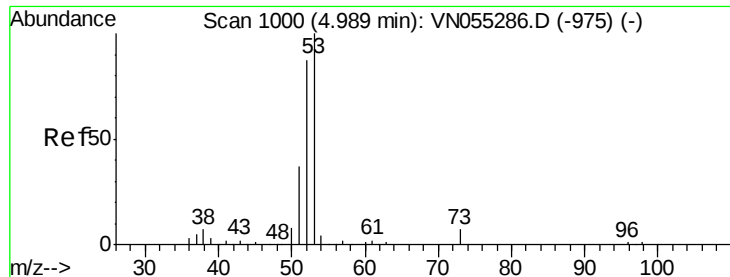


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 109.716 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

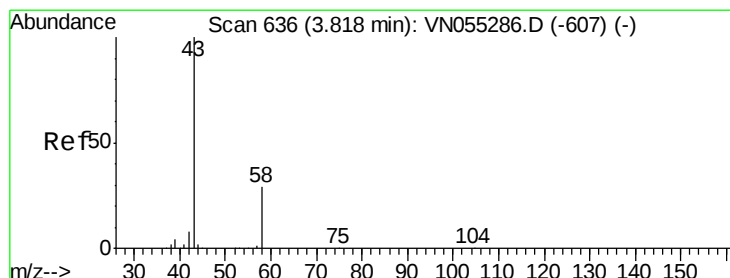
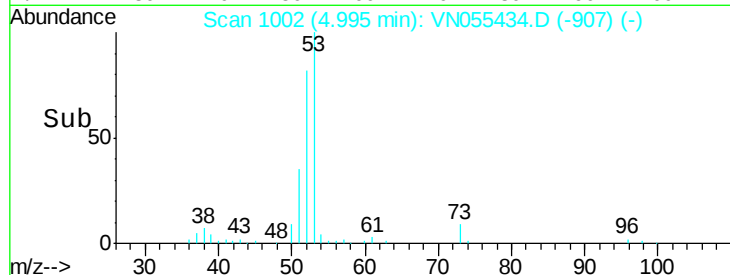
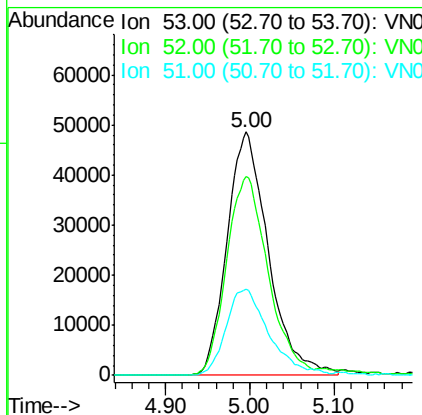
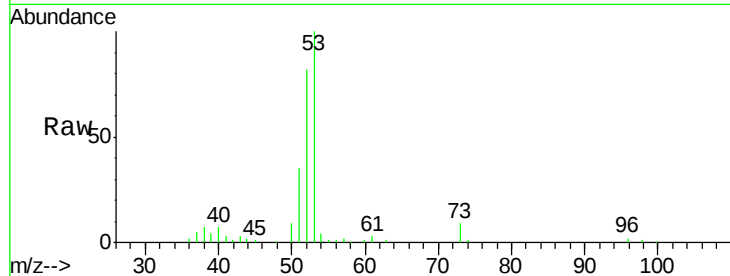
ClientSampled :

VN0507WBS01

Tot Ion:	53	Resp:	165415
Ion	Ratio	Lower	Upper
53	100		
52	82.1	66.5	99.7
51	36.8	29.6	44.4

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#16

Acetone

Concen: 99.099 ug/l

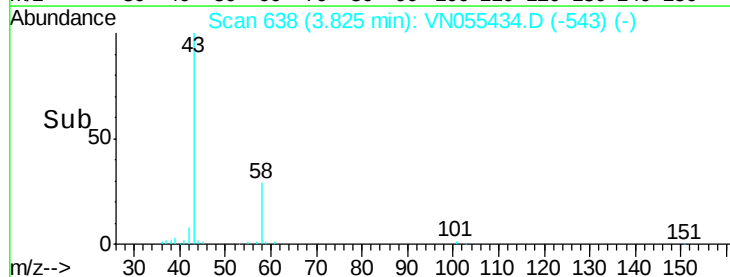
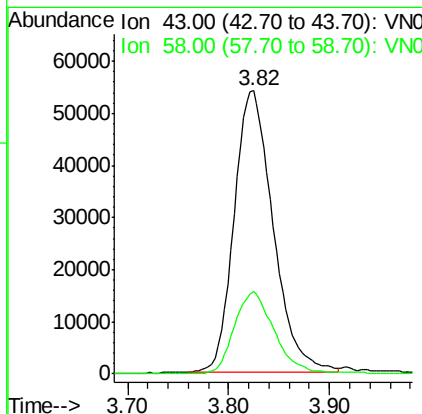
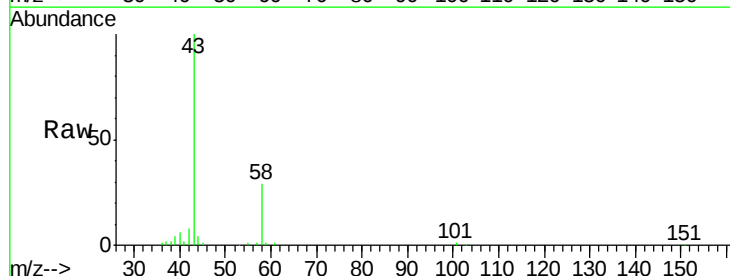
RT: 3.82 min Scan# 638

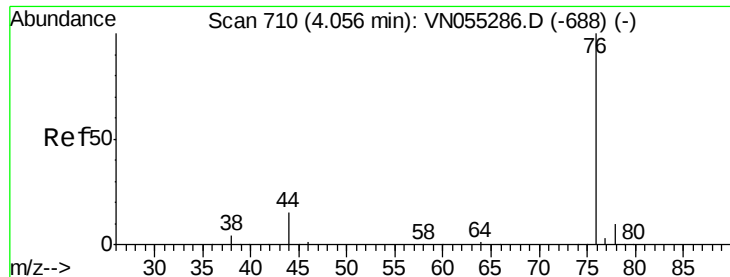
Delta R.T. 0.01 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Tgt Ion:	43	Resp:	144661
Ion	Ratio	Lower	Upper
43	100		
58	28.8	23.6	35.4





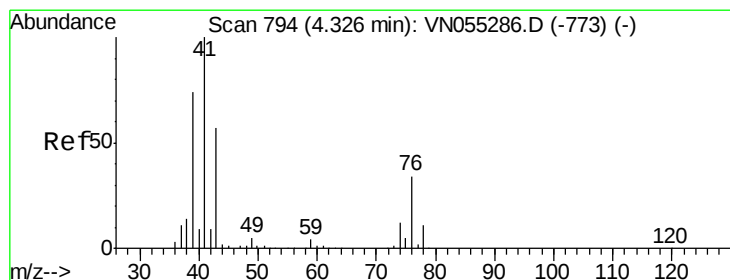
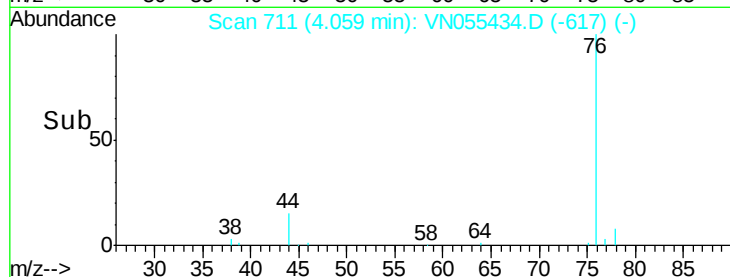
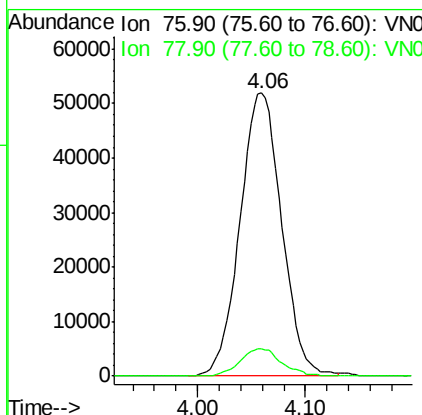
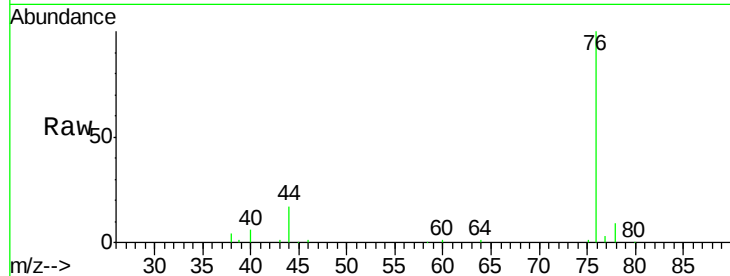
#17
Carbon Disulfide
Concen: 15.078 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion: 76 Resp: 139204
Ion Ratio Lower Upper
76 100
78 9.5 7.6 11.4

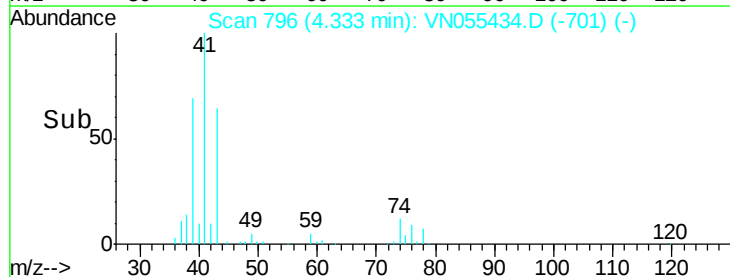
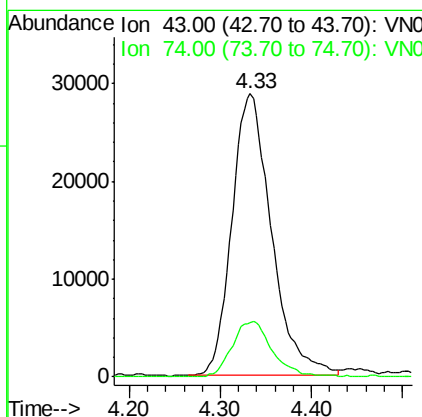
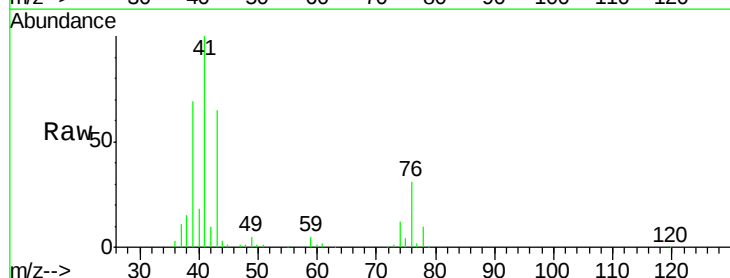
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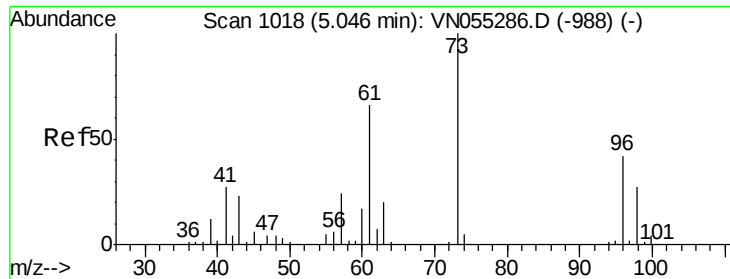
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#18
Methyl Acetate
Concen: 23.929 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion: 43 Resp: 87013
Ion Ratio Lower Upper
43 100
74 19.8 15.8 23.8





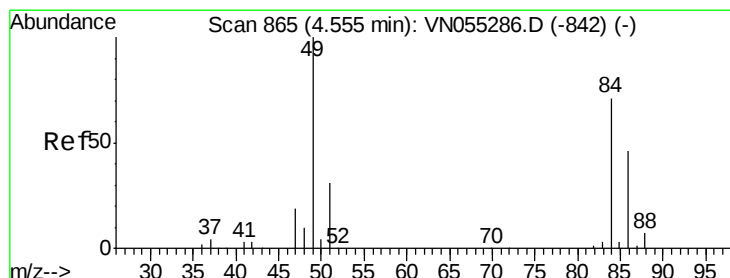
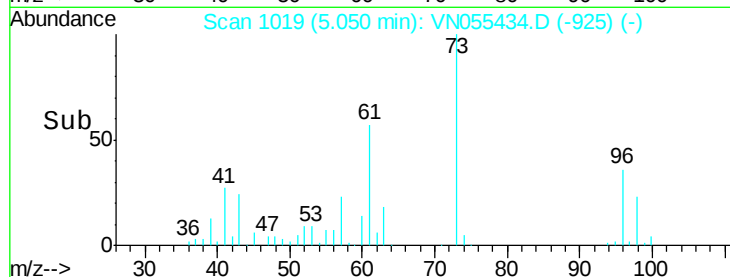
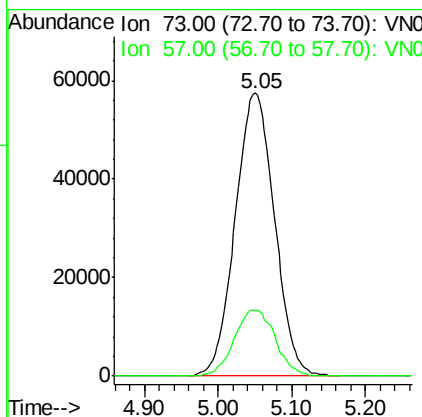
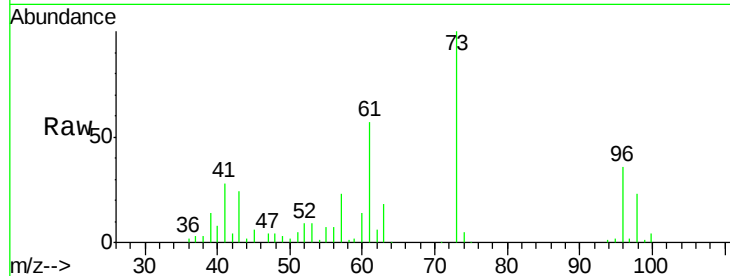
#19
Methvl tert-butvl Ether
Concen: 21.452 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion: 73 Resp: 213339
Ion Ratio Lower Upper
73 100
57 23.1 19.1 28.7

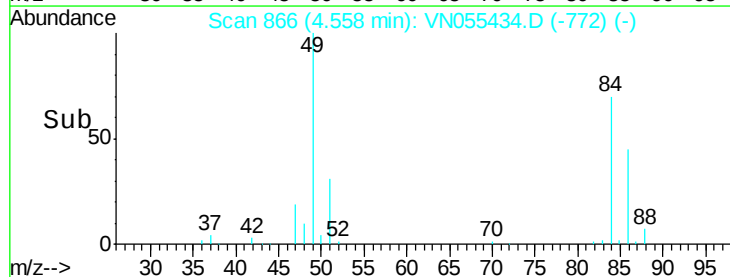
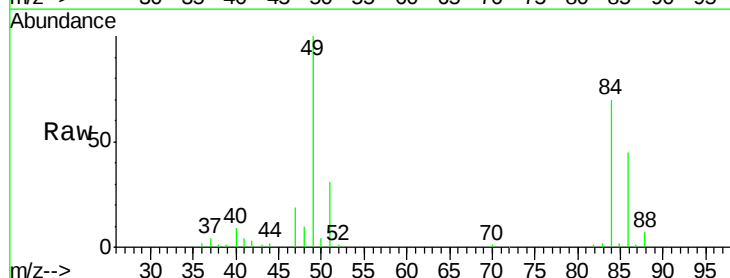
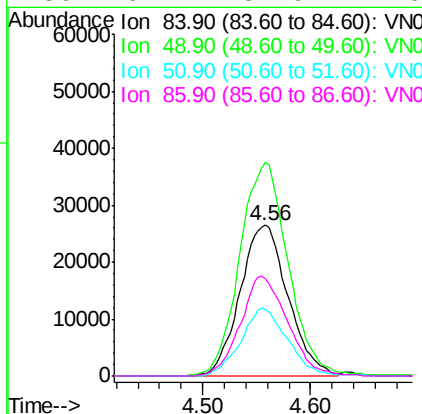
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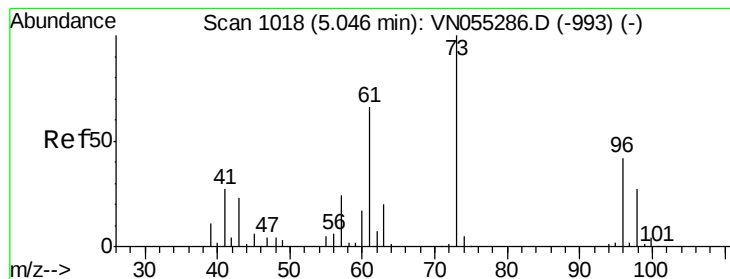
MMDadoda
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#20
Methylene Chloride
Concen: 18.352 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion: 84 Resp: 81769
Ion Ratio Lower Upper
84 100
49 141.4 112.4 168.6
51 44.2 34.6 51.8
86 64.4 51.9 77.9





#21

trans-1,2-Dichloroethene

Concen: 18.764 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion: 96 Resp: 70300

Ion Ratio Lower Upper

96 100

61 150.7 126.2 189.4

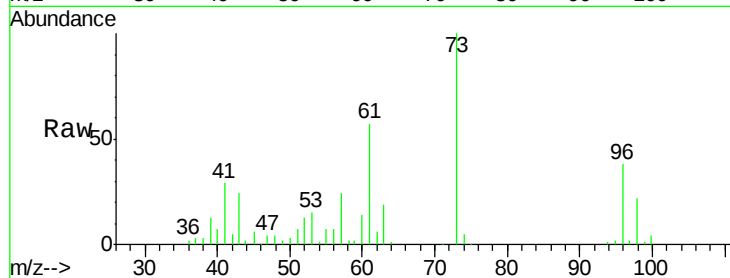
98 59.2 52.2 78.2

Manual Integrations

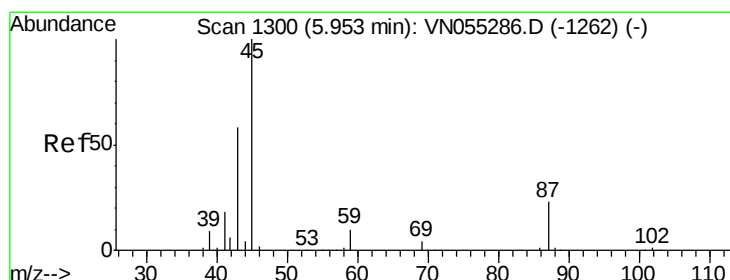
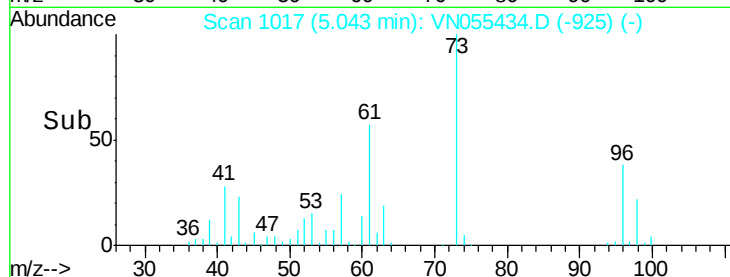
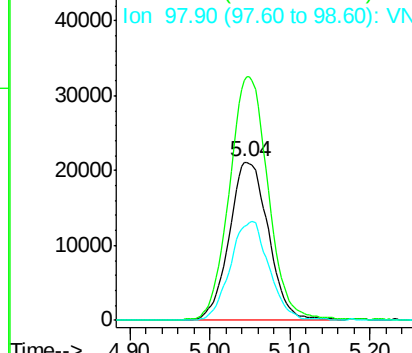
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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 21.052 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Tgt Ion: 45 Resp: 306467

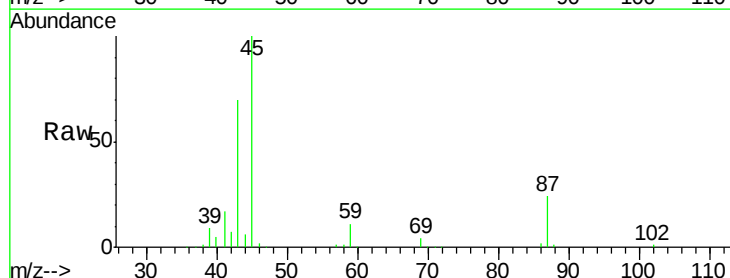
Ion Ratio Lower Upper

45 100

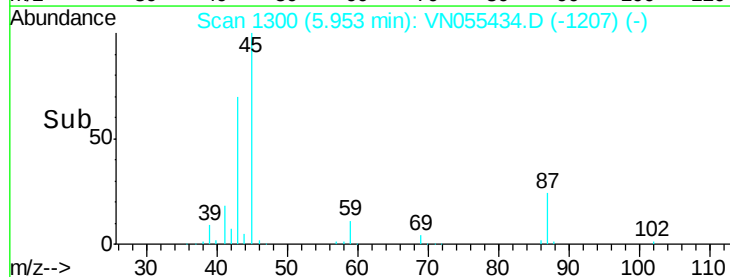
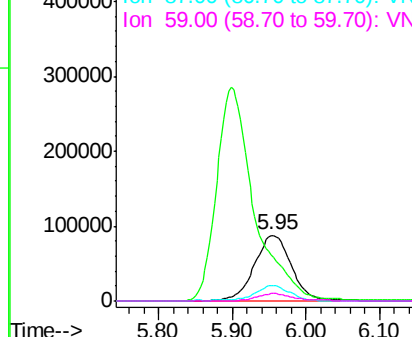
43 67.4 46.6 70.0

87 23.2 18.1 27.1

59 10.6 8.2 12.2



Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





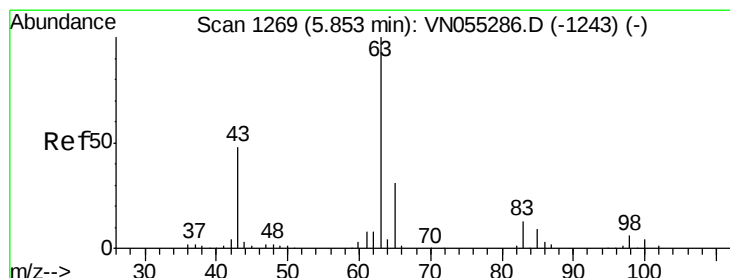
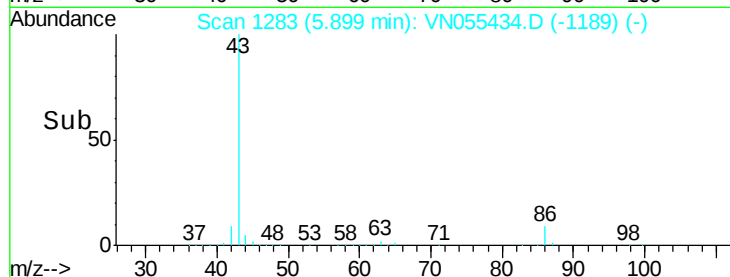
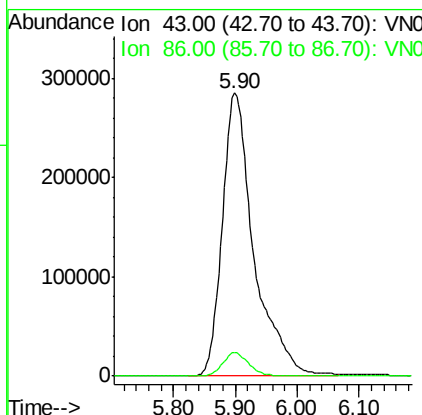
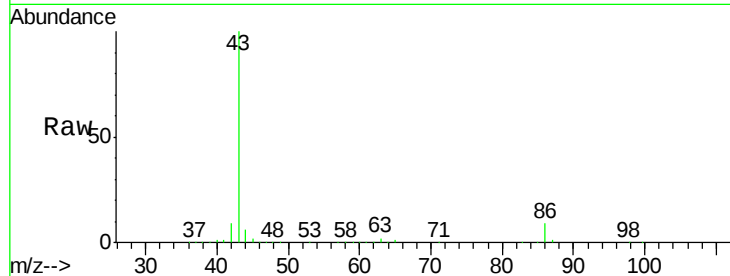
#23
 Vinyl Acetate
 Concen: 106.372 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion: 43 Resp: 1014880
 Ion Ratio Lower Upper
 43 100
 86 8.5 6.6 10.0

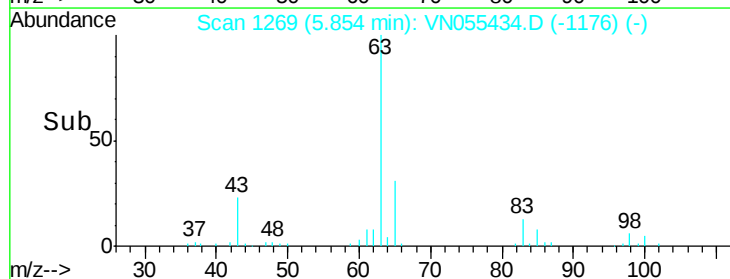
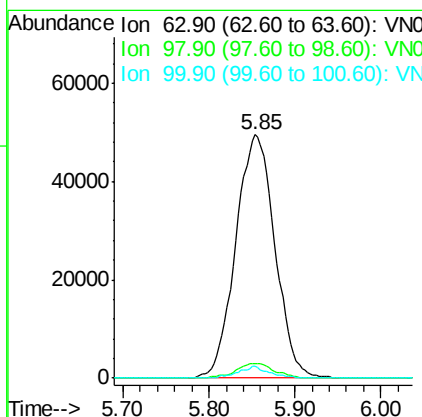
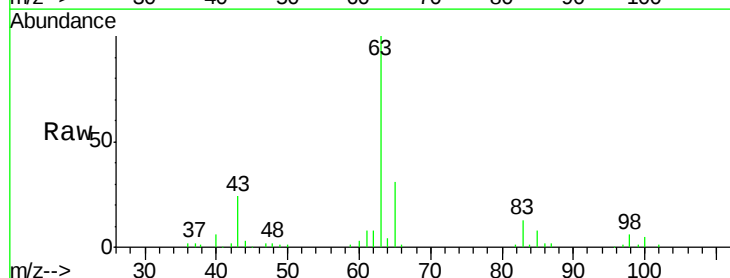
Manual Integrations
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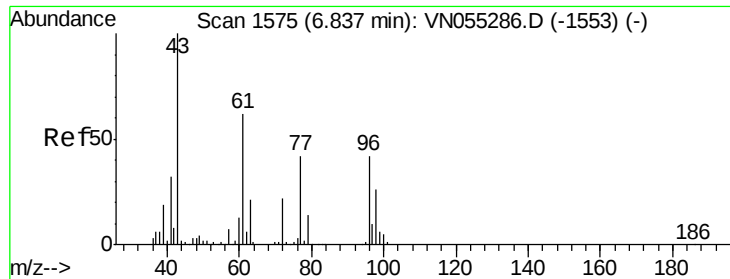
MMDadoda
 5/8/2019 10:21:48 AM



#24
 1,1-Dichloroethane
 Concen: 20.180 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion: 63 Resp: 156520
 Ion Ratio Lower Upper
 63 100
 98 6.0 3.0 9.0
 100 5.0 1.8 5.4





#25

2-Butanone

Concen: 111.056 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion: 43 Resp: 207325

Ion Ratio Lower Upper

43 100

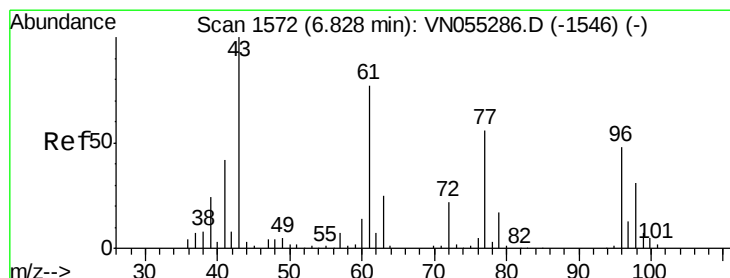
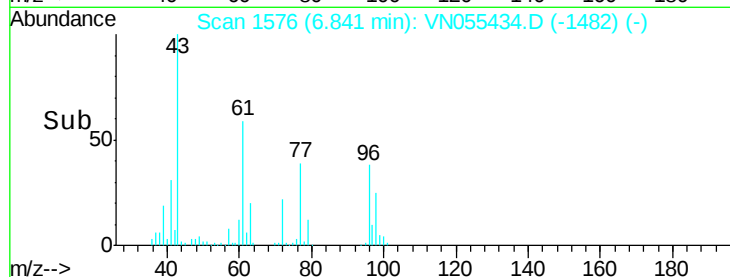
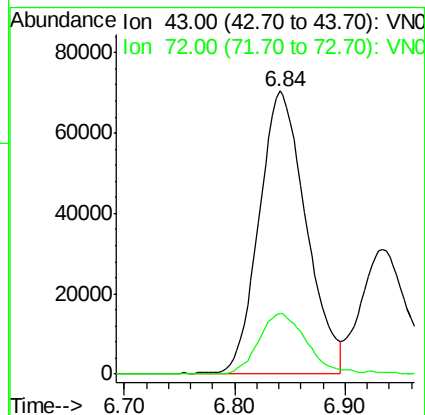
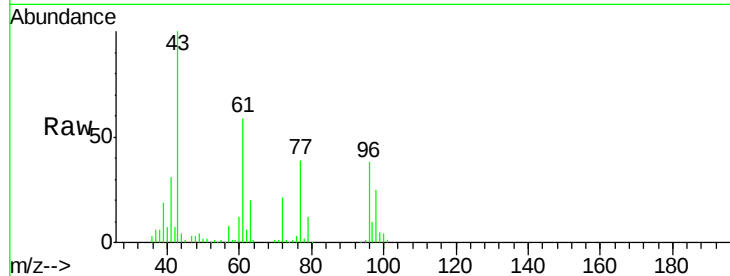
72 21.5 18.0 27.0

Manual Integrations

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5/8/2019 10:21:48 AM



#26

2,2-Dichloropropane

Concen: 19.575 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055434.D

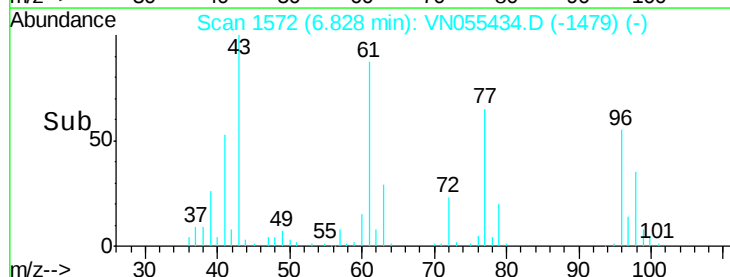
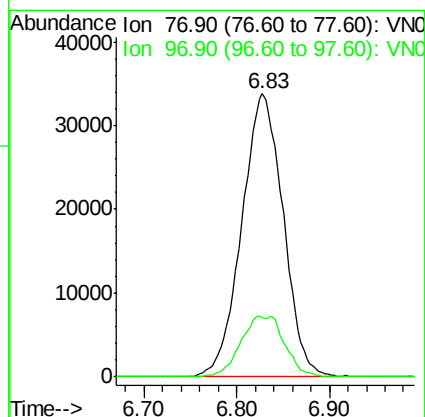
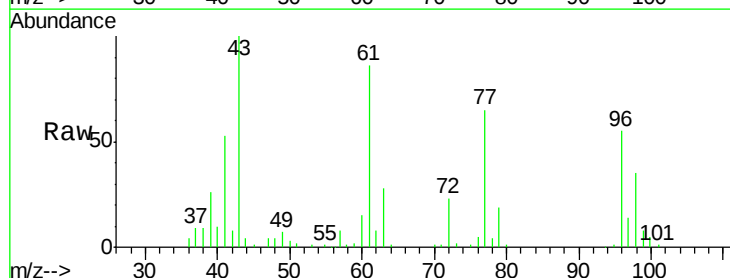
Acq: 7 May 2019 13:48

Tgt Ion: 77 Resp: 104845

Ion Ratio Lower Upper

77 100

97 13.1 11.4 34.2





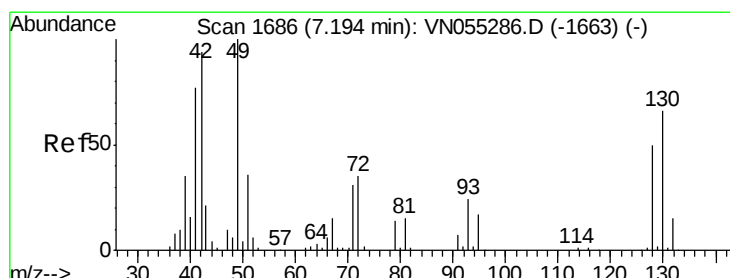
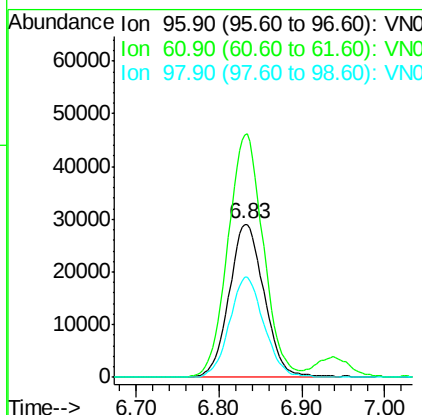
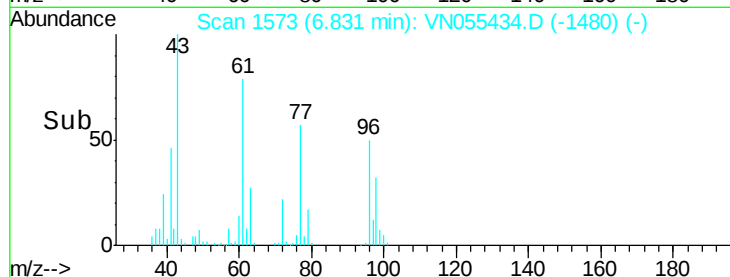
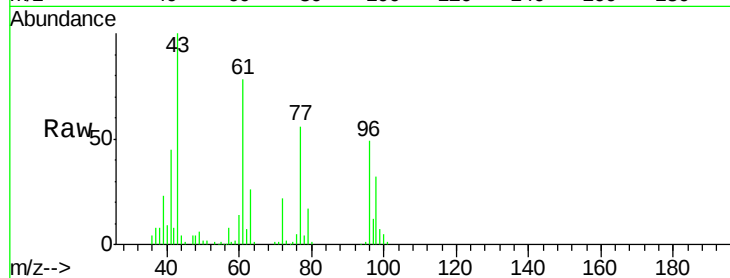
#27
 cis-1,2-Dichloroethene
 Concen: 20.083 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	160.1	0.0	316.2	
98	64.4	0.0	126.6	

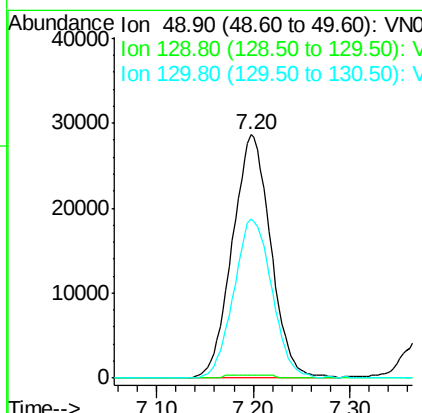
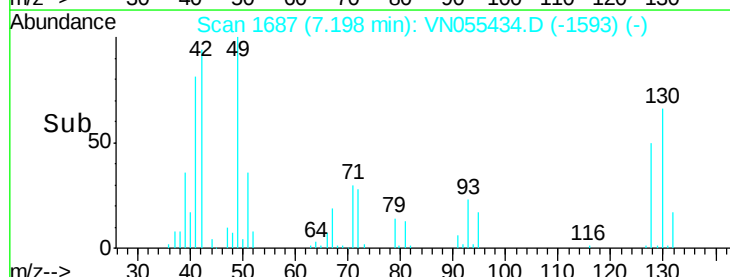
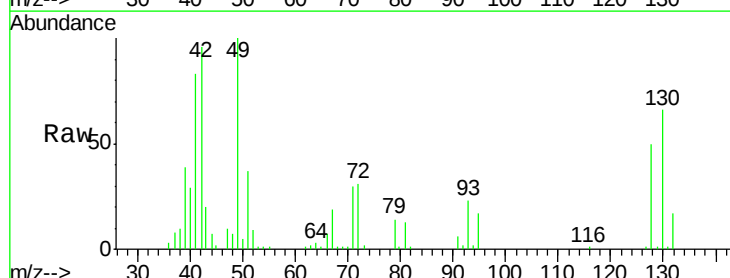
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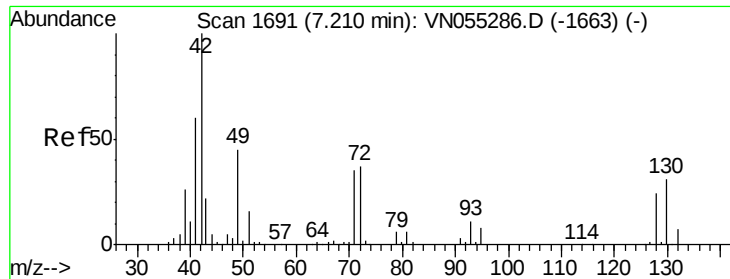
MMDadoda
 5/8/2019 10:21:48 AM



#28
 Bromochloromethane
 Concen: 20.210 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.1	0.0	2.4	
130	64.8	52.0	78.0	





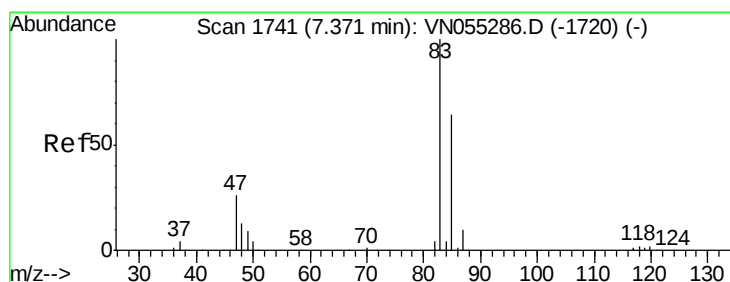
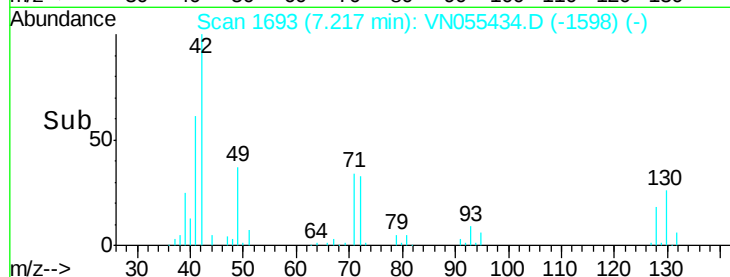
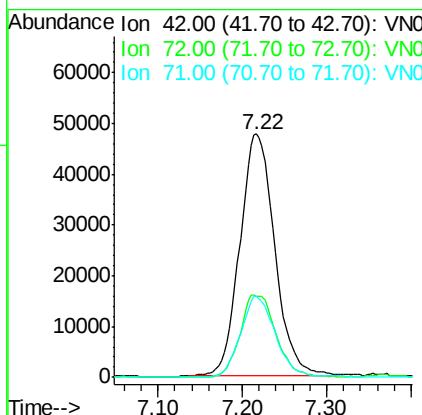
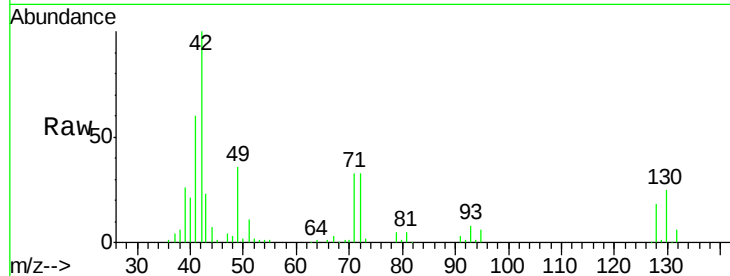
#29
Tetrahydrofuran
Concen: 115.270 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.1	29.0	43.6
71	33.1	27.1	40.7

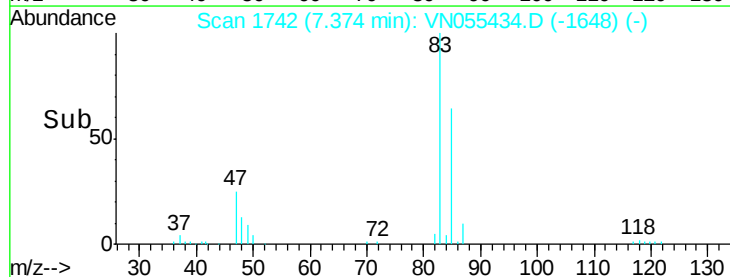
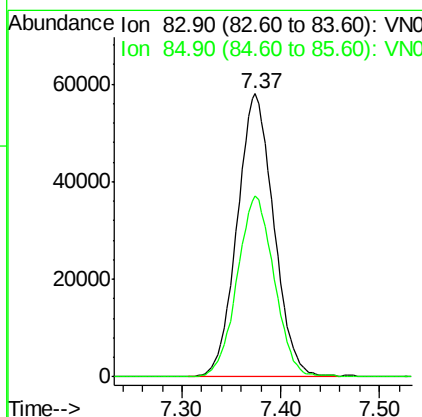
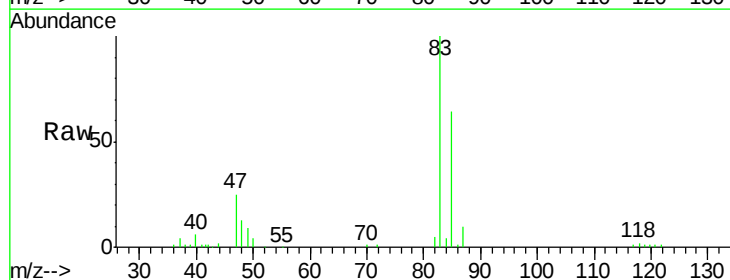
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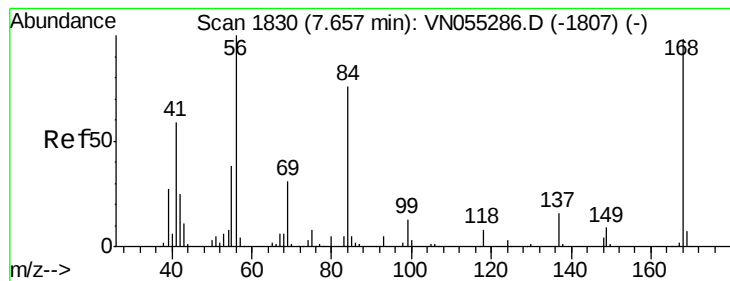
MMDadoda
5/8/2019 10:21:48 AM



#30
Chloroform
Concen: 20.282 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	51.4	77.2





#31

Cyclohexane

Concen: 18.433 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

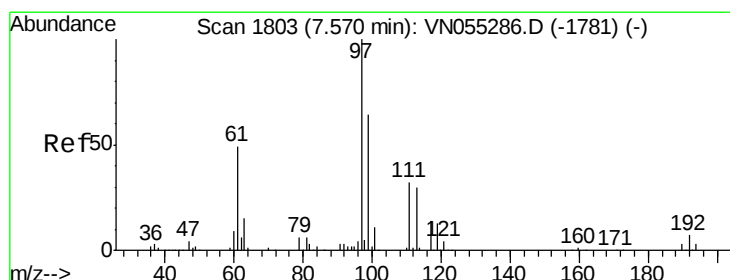
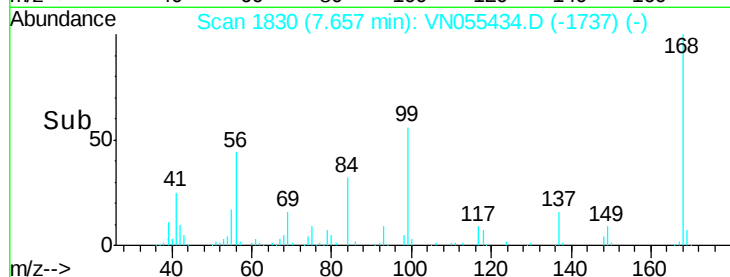
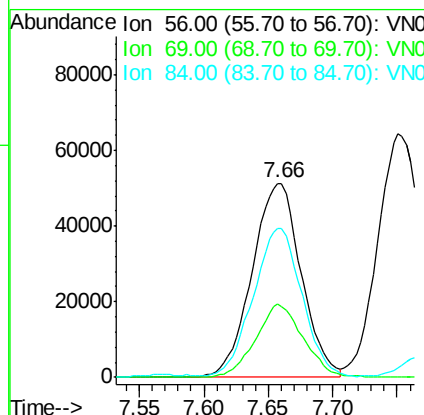
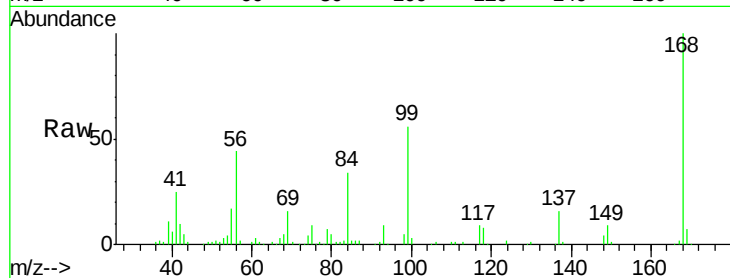
ClientSampleId :

VN0507WBS01

Tot Ion:	56	Resp:	135839
Ion	Ratio	Lower	Upper
56	100		
69	37.4	25.2	37.8
84	75.7	61.1	91.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.485 ug/l

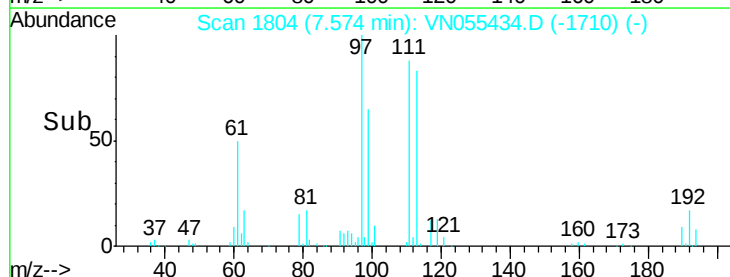
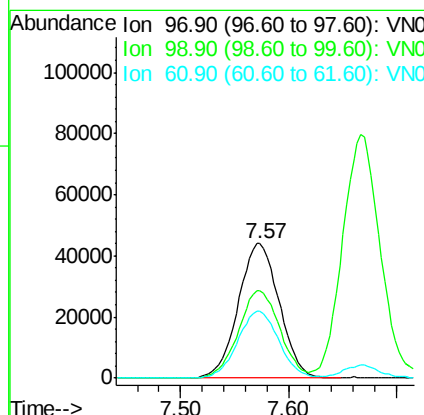
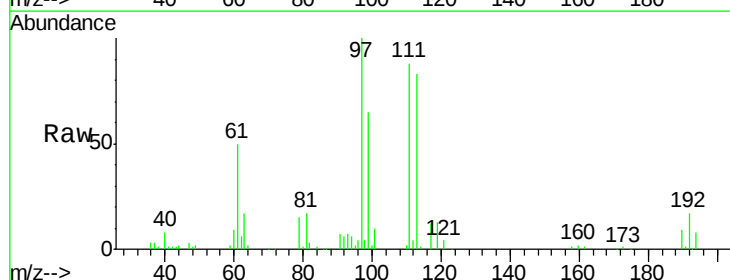
RT: 7.57 min Scan# 1804

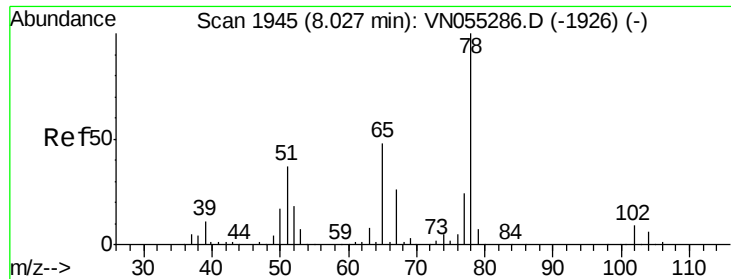
Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Tgt Ion:	97	Resp:	116271
Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.8	77.8
61	50.2	39.0	58.6





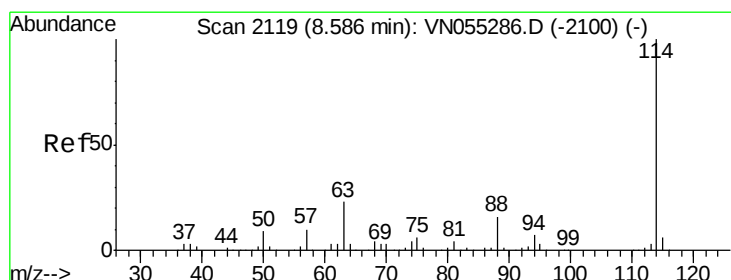
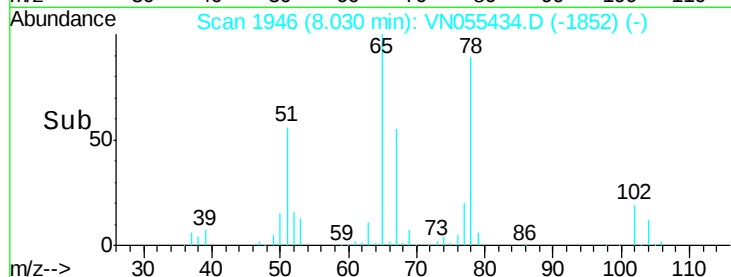
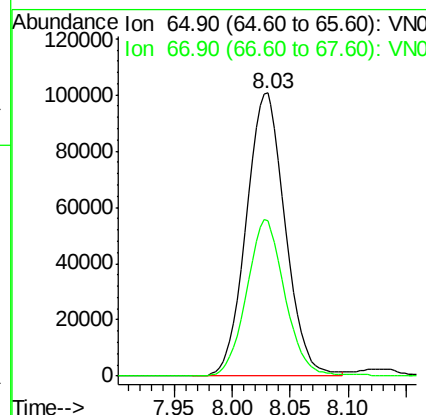
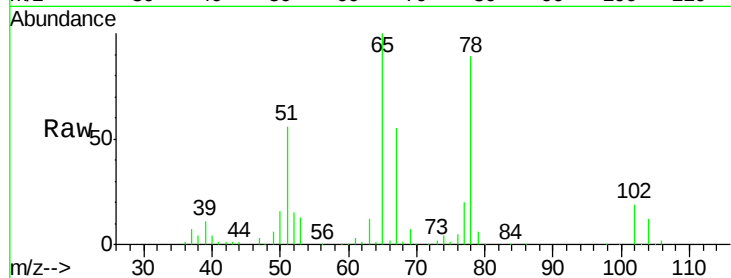
#33
 1,2-Dichloroethane-d4
 Concen: 50.263 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.1	0.0	106.8	

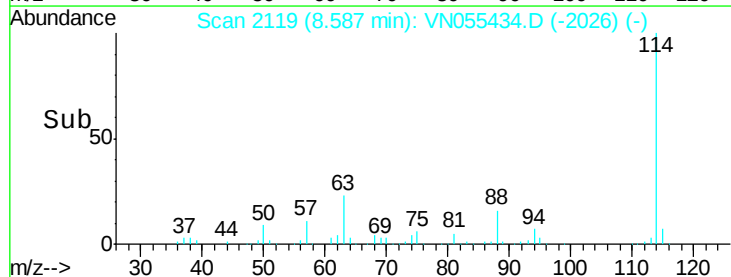
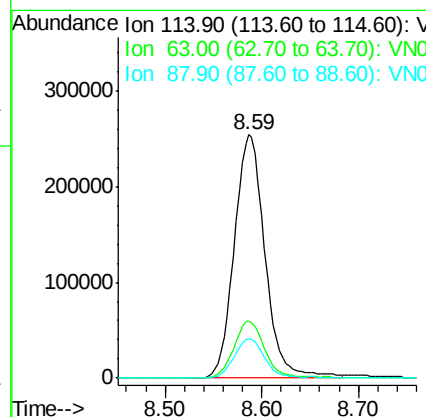
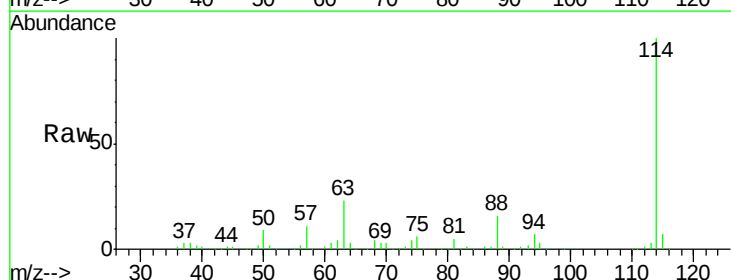
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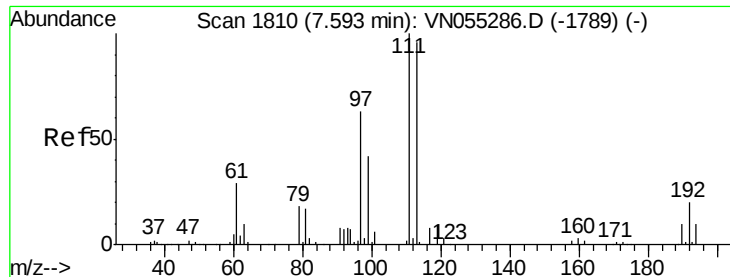
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 5/8/2019 10:21:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	23.5	0.0	45.2	
88	16.1	0.0	31.6	





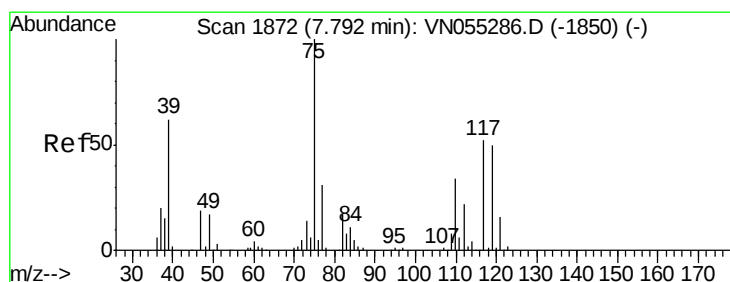
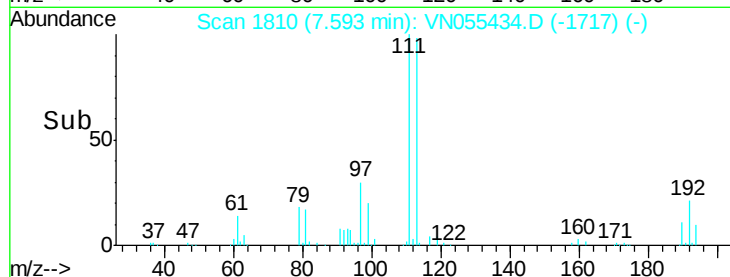
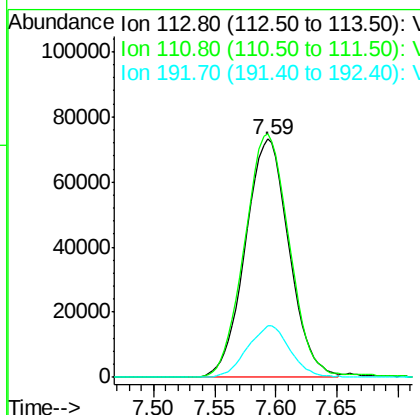
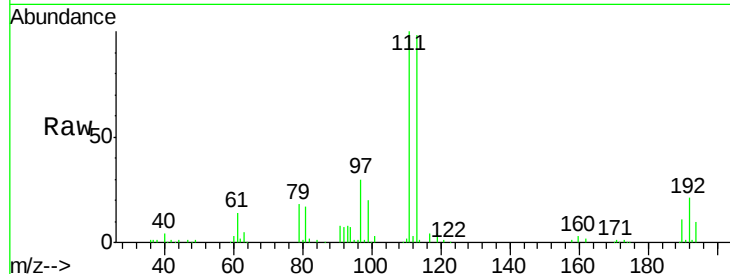
#35
 Dibromofluoromethane
 Concen: 49.470 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	182233		
111	105.2	82.3	123.5	
192	21.0	17.0	25.6	

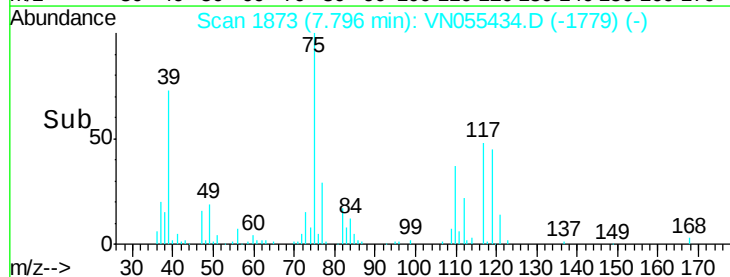
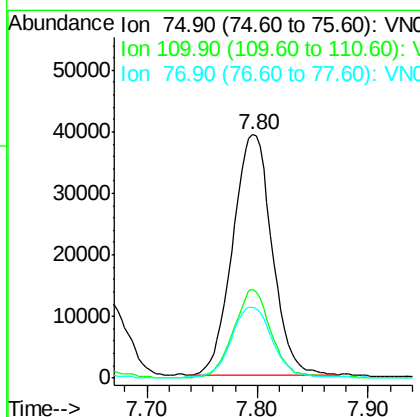
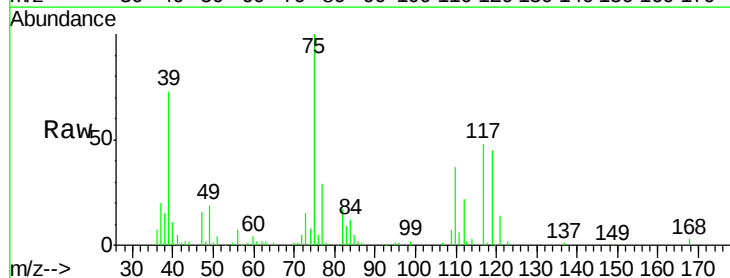
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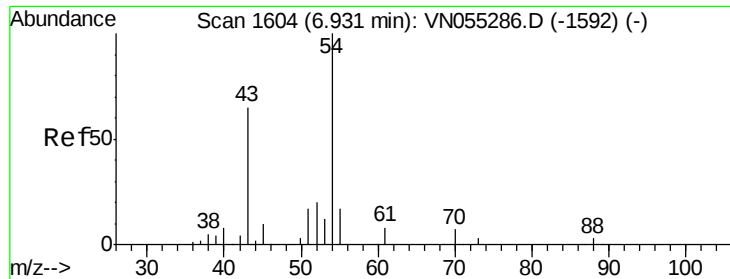
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#36
 1,1-Dichloropropene
 Concen: 17.888 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	96159		
110	35.8	16.8	50.4	
77	31.4	25.0	37.6	





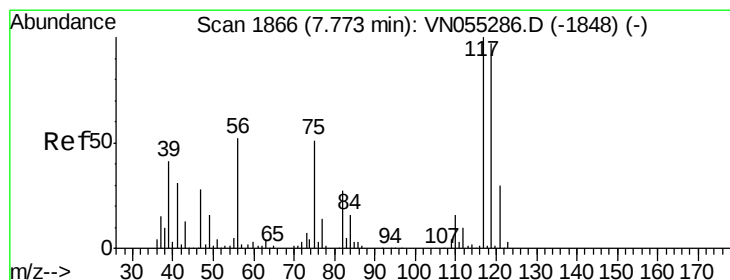
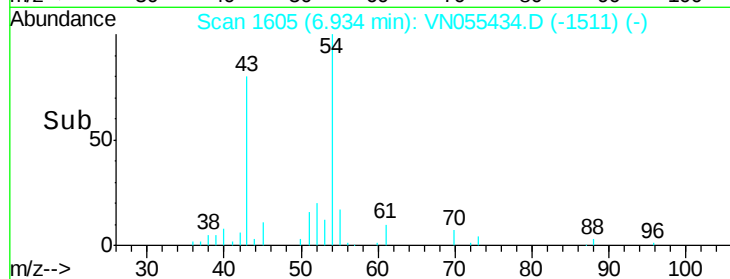
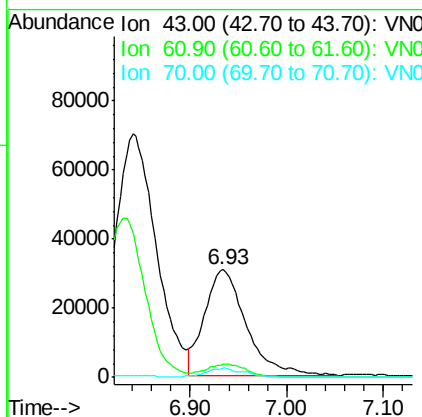
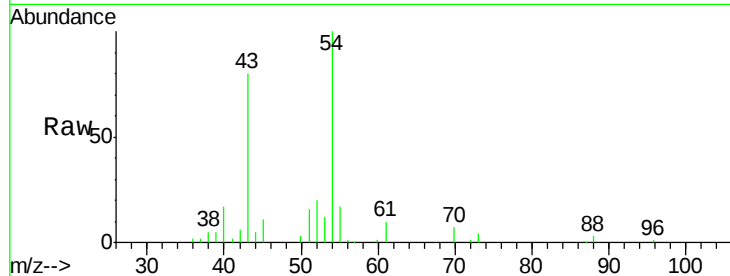
#37
Ethyl Acetate
Concen: 22.322 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion	43	61	70
Resp	91968		
Ratio	100	12.5	5.5
Lower		10.4	6.6
Upper		15.6	10.0

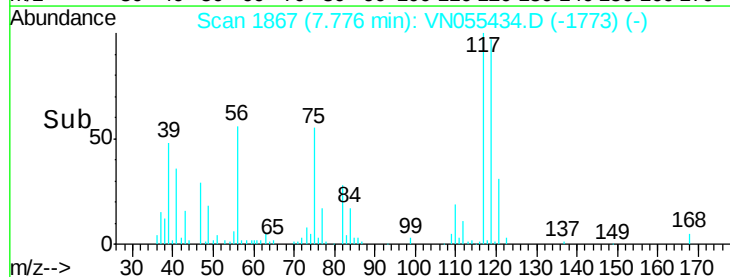
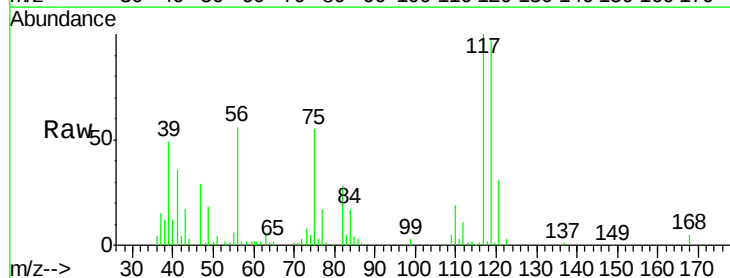
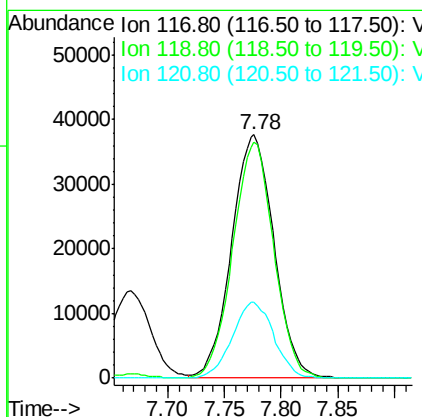
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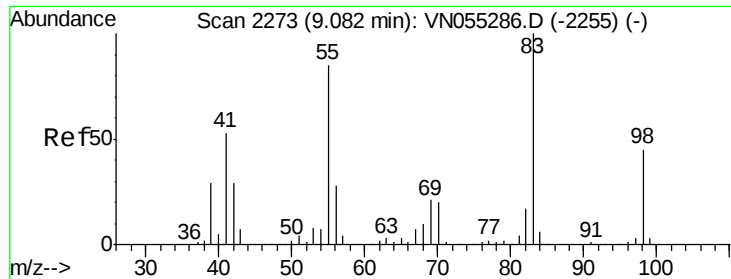
MMDadoda
5/8/2019 10:21:48 AM



#38
Carbon Tetrachloride
Concen: 18.911 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	117	119	121
Resp	98067		
Ratio	100	96.9	31.2
Lower		77.0	23.8
Upper		115.6	35.8





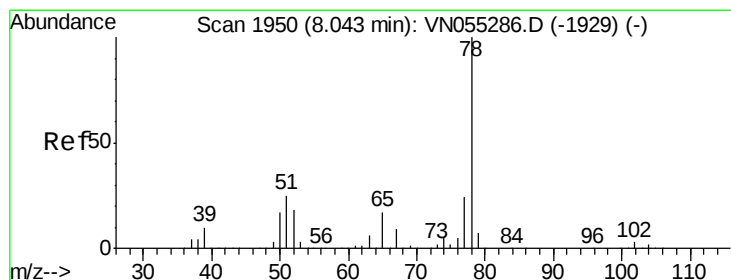
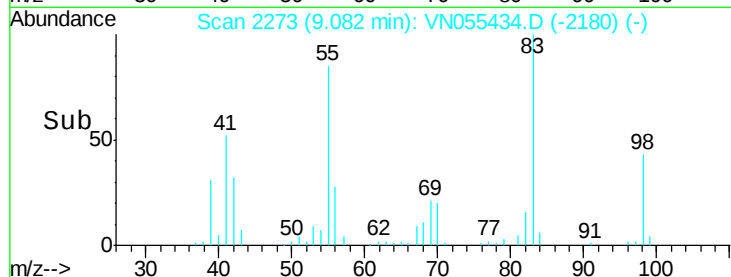
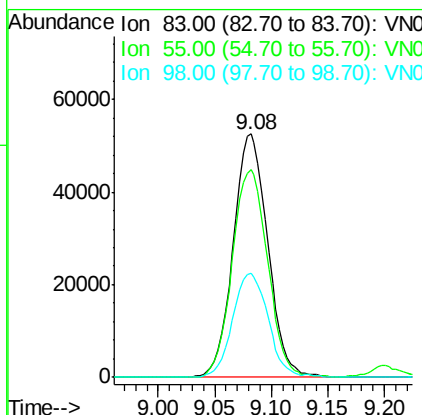
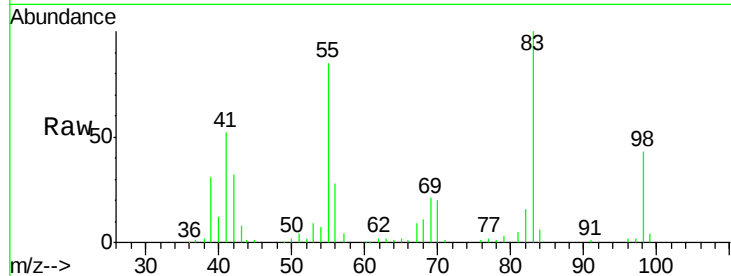
#39
Methvlcvclohexane
Concen: 19.578 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	83.00	Resp	111899
Ion Ratio	Lower	Upper	
83	100		
55	85.2	67.8	101.6
98	42.6	36.2	54.4

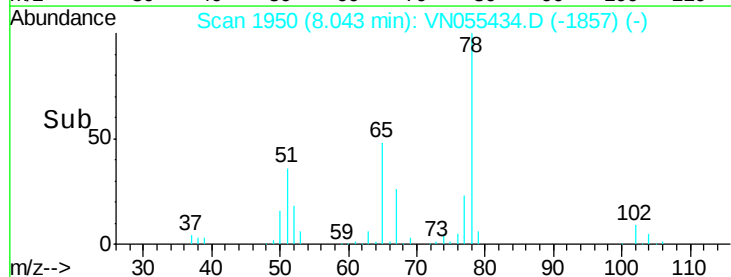
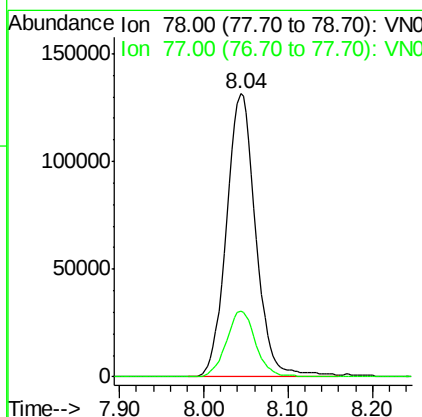
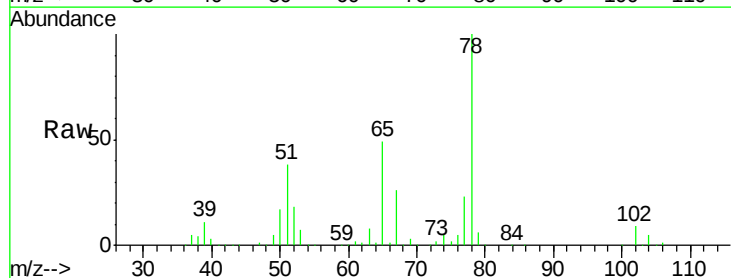
Manual Integrations
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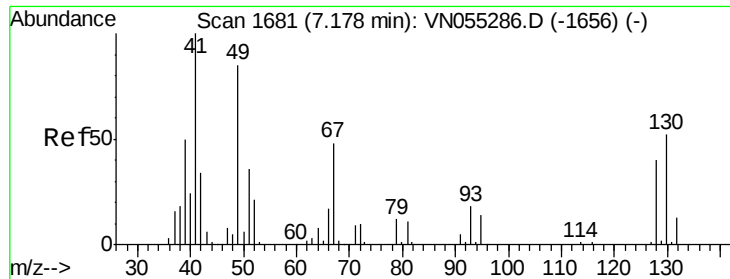
MMDadoda
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#40
Benzene
Concen: 20.054 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	78.00	Resp	317794
Ion Ratio	Lower	Upper	
78	100		
77	23.1	19.0	28.6





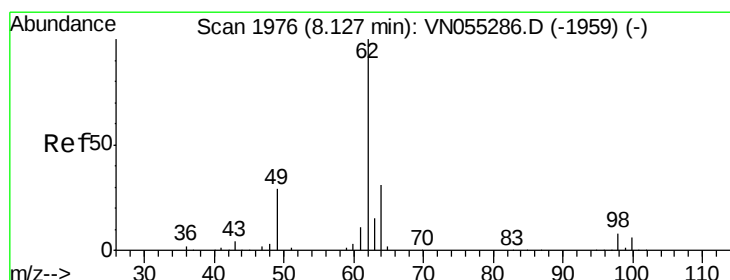
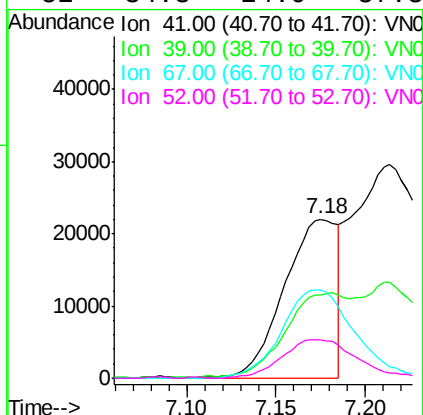
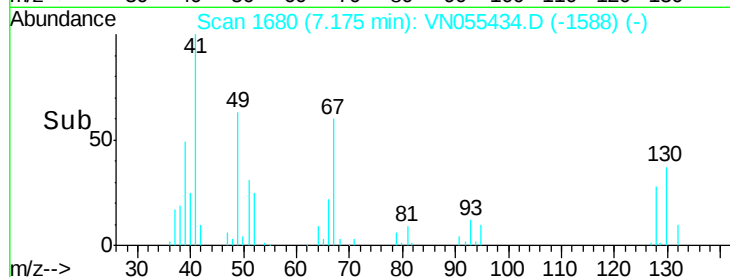
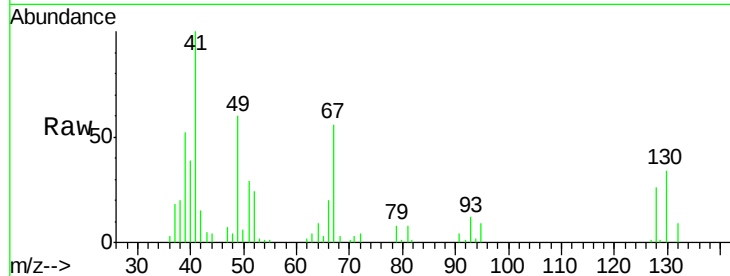
#41
Methacrylonitrile
Concen: 20.900 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion:	41	Resp:	45629
Ion	Ratio	Lower	Upper
41	100		
39	62.9	48.5	72.7
67	77.1	54.9	82.3
52	34.3	24.9	37.3

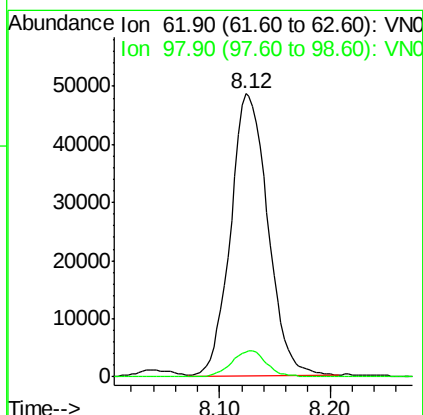
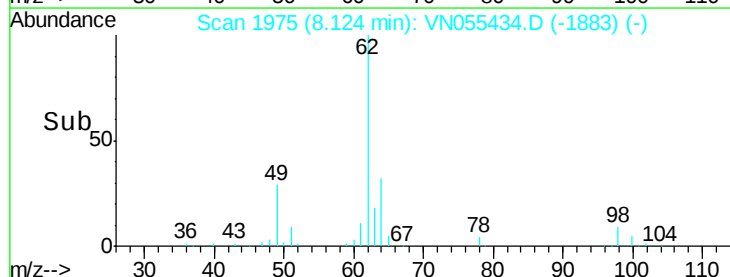
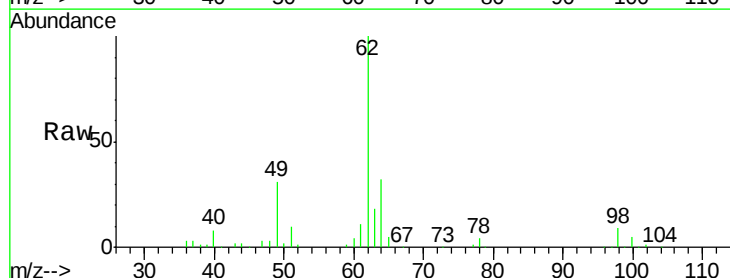
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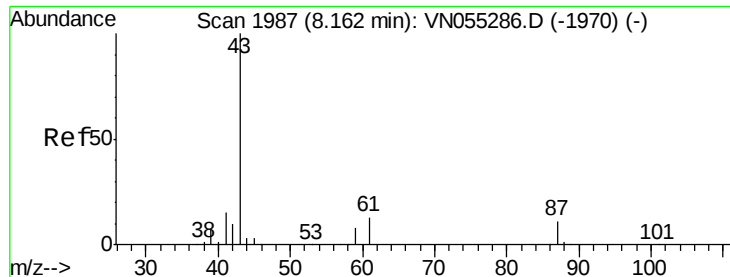
MMDadoda
5/8/2019 10:21:48 AM



#42
1,2-Dichloroethane
Concen: 20.285 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion:	62	Resp:	113852
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	16.4





#43

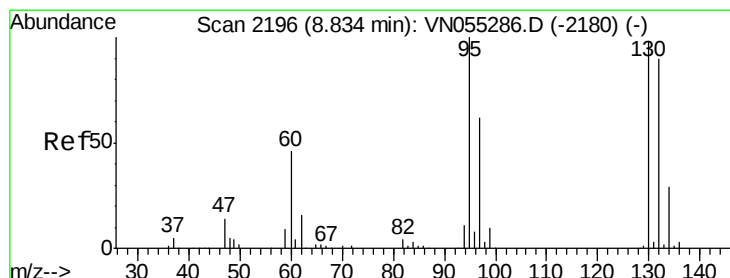
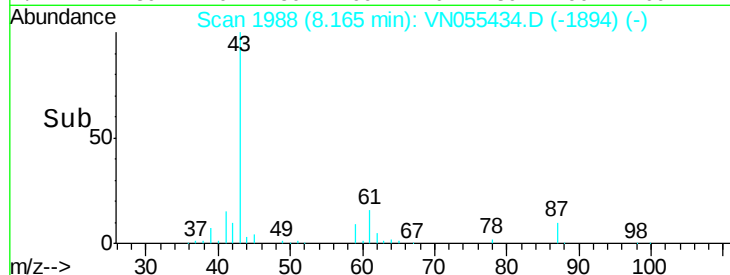
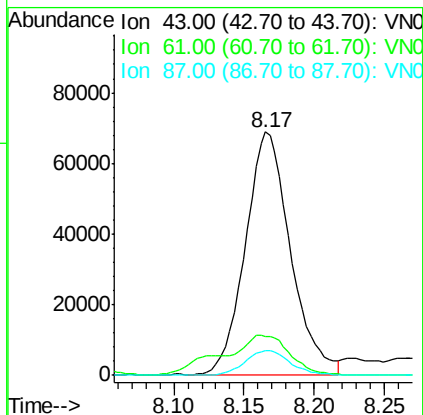
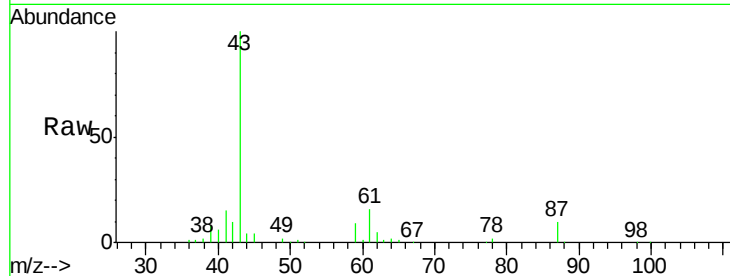
Isopropyl Acetate
 Concen: 23.182 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	43	61	87
Resp	153493		
Ratio	100	24.3	10.3
Lower		20.8	8.5
Upper		31.2	12.7

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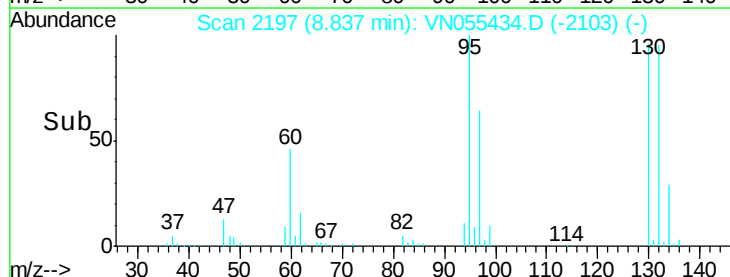
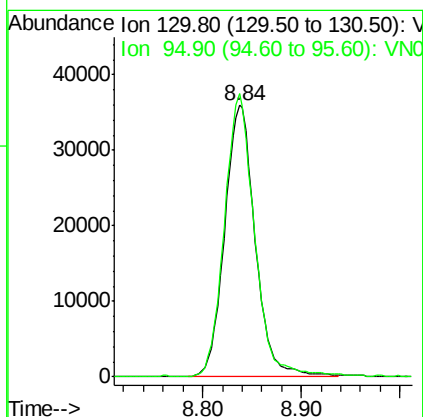
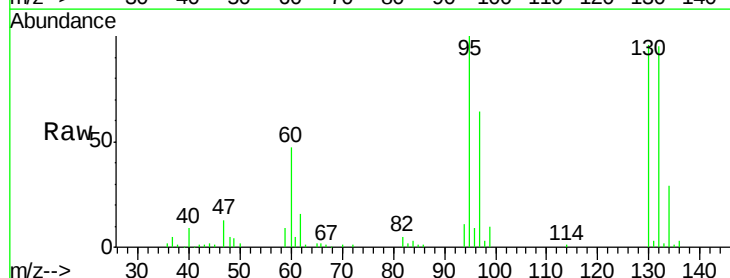
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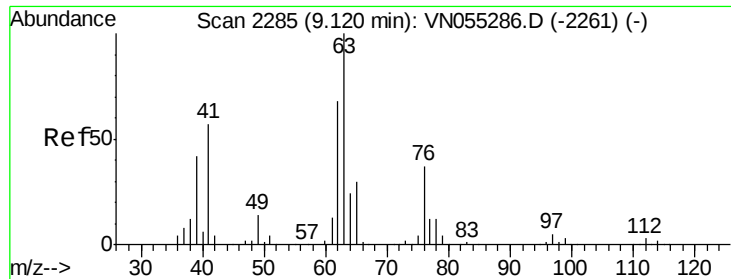


#44

Trichloroethene
 Concen: 19.283 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	130	95
Resp	77900	
Ratio	100	104.2
Lower		0.0
Upper		203.4





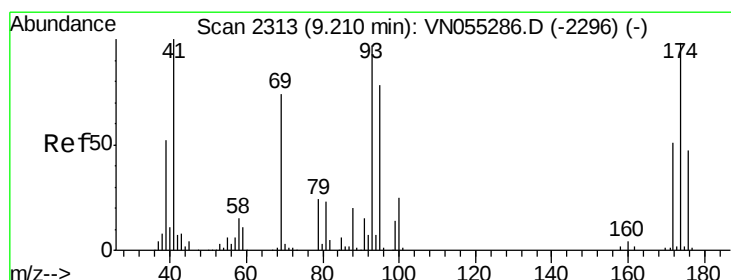
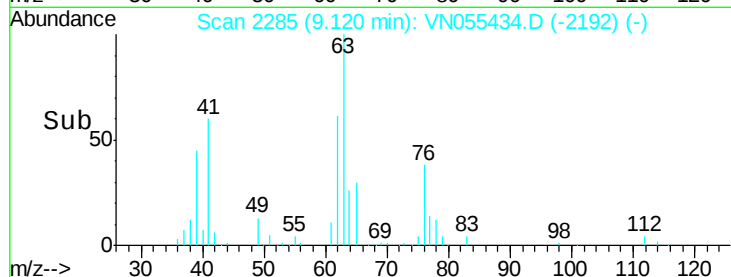
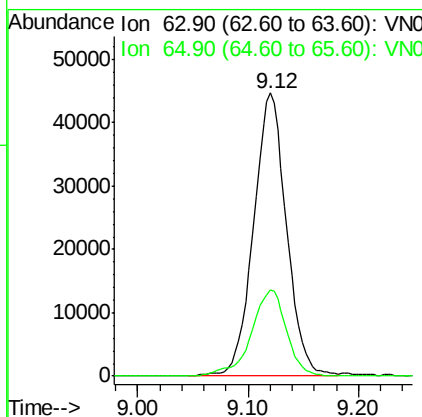
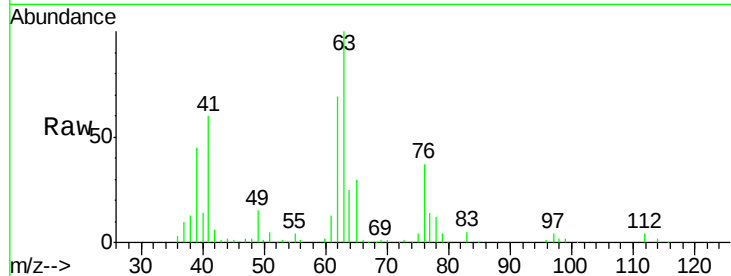
#45
 1,2-Dichloropropane
 Concen: 20.267 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBS01

Tot Ion: 63 Resp: 92632
 Ion Ratio Lower Upper
 63 100
 65 30.3 23.9 35.9

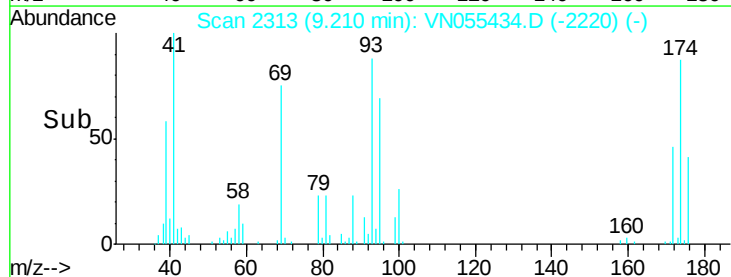
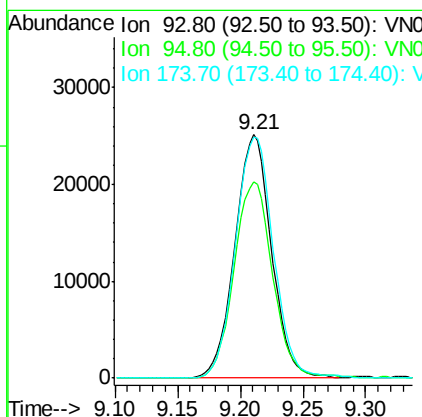
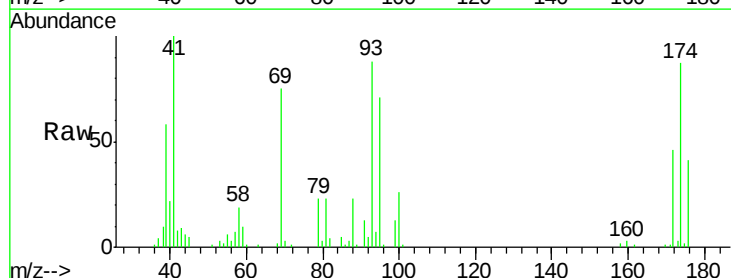
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#46
 Dibromomethane
 Concen: 20.509 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion: 93 Resp: 51237
 Ion Ratio Lower Upper
 93 100
 95 85.1 65.7 98.5
 174 102.3 81.5 122.3





#47

Bromodichloromethane

Concen: 20.876 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

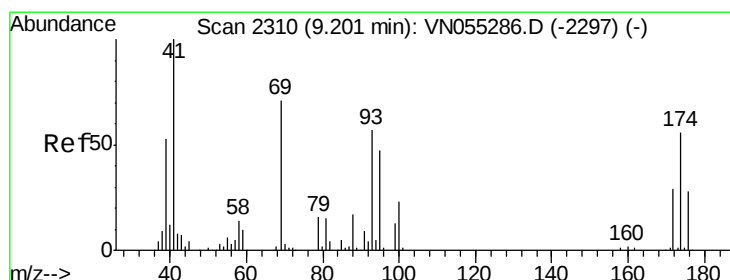
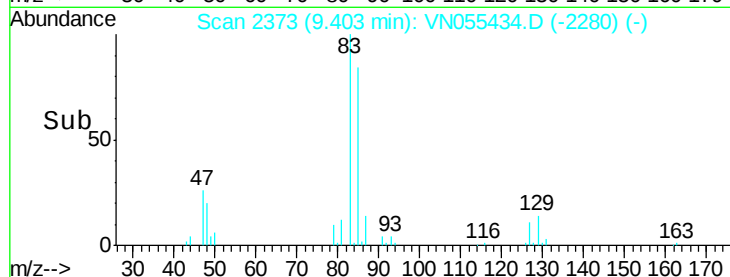
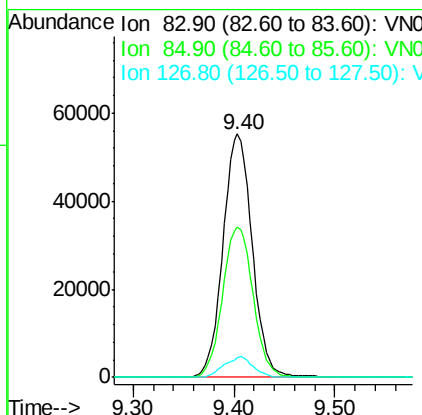
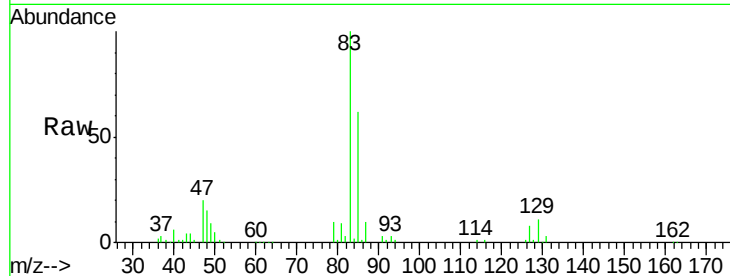
ClientSampleId :

VN0507WBS01

Tot Ion:	83	Resp:	111886
Ion Ratio	Lower	Upper	
83	100		
85	61.6	50.1	75.1
127	8.2	6.7	10.1

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#48

Methyl methacrylate

Concen: 22.117 ug/l

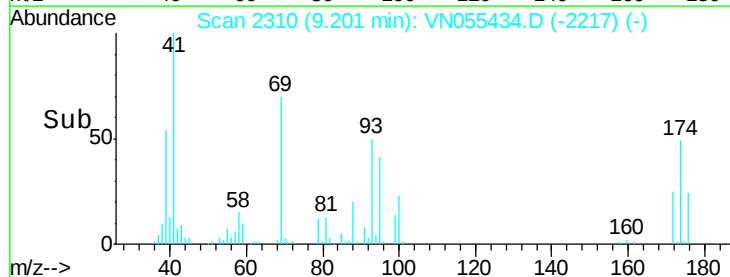
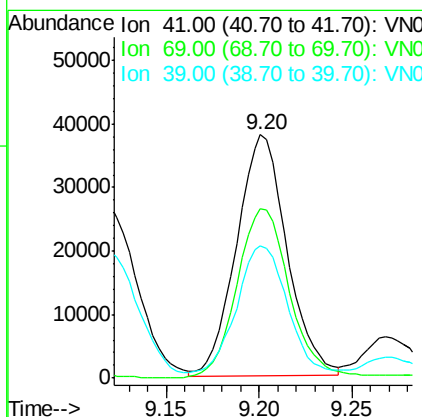
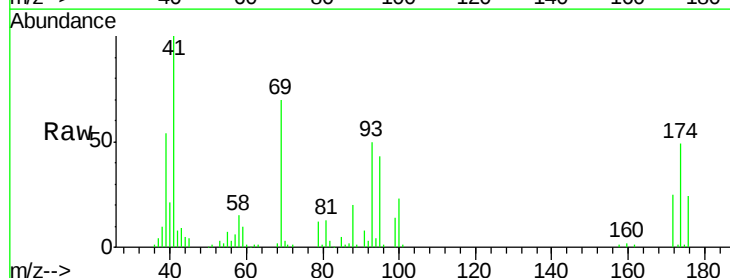
RT: 9.20 min Scan# 2310

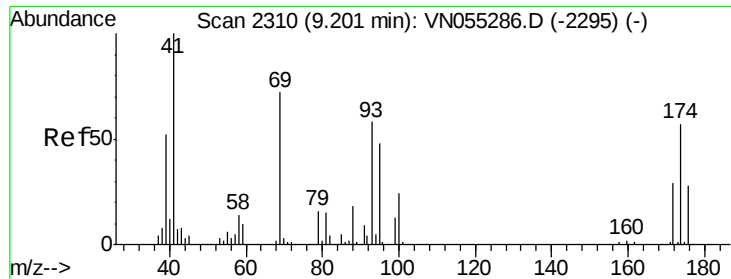
Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Tgt Ion:	41	Resp:	71989
Ion Ratio	Lower	Upper	
41	100		
69	73.5	58.6	87.8
39	56.3	43.8	65.6





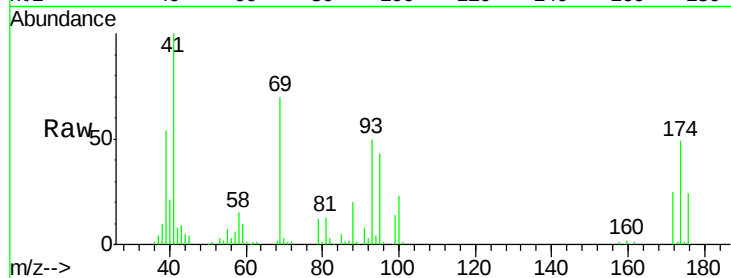
#49
1,4-Dioxane
Concen: 488.210 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion	88	Resp	16427
Ion Ratio	100	Lower	Upper
88	100		
43	37.5	33.3	49.9
58	78.1	62.7	94.1

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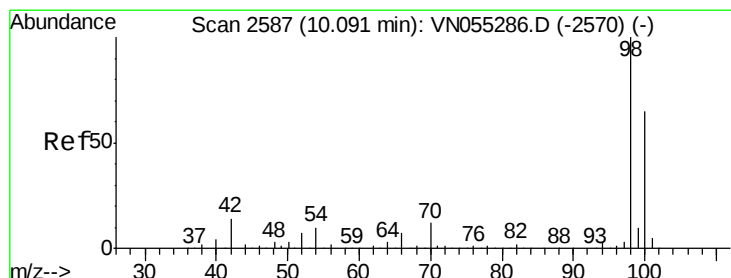
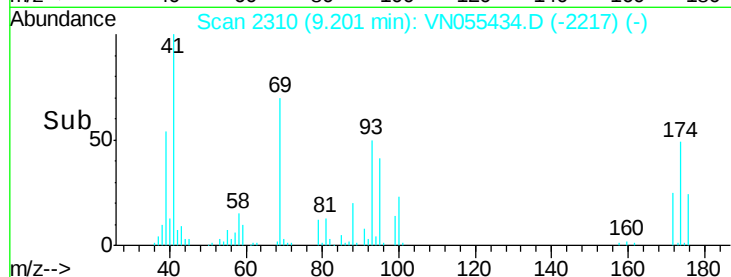
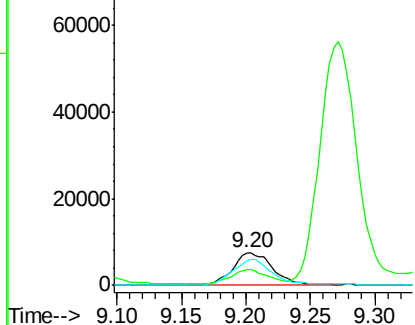
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Abundance Ion 88.00 (87.70 to 88.70): VN055434.D (-2217) (-)

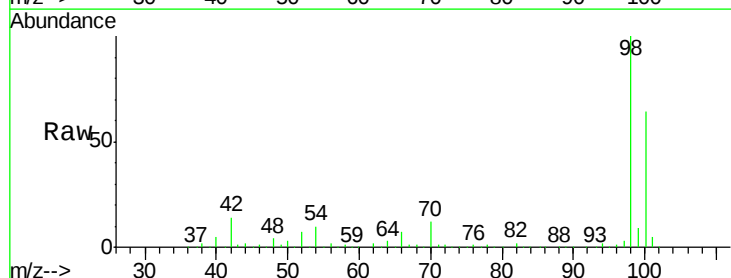
Ion 43.00 (42.70 to 43.70): VN055434.D (-2217) (-)

Ion 58.00 (57.70 to 58.70): VN055434.D (-2217) (-)



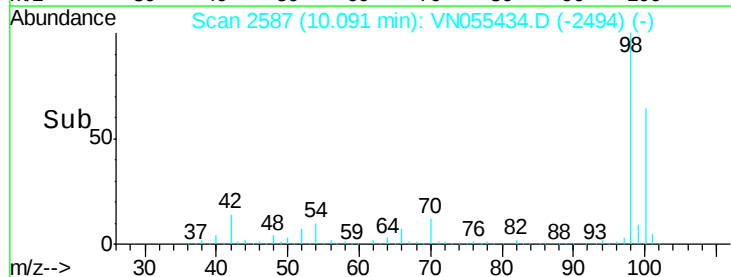
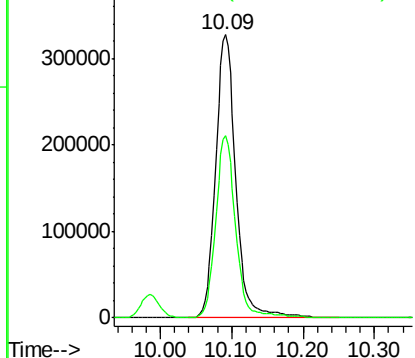
#50
Toluene-d8
Concen: 48.245 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	98	Resp	641728
Ion Ratio	100	Lower	Upper
98	100		
100	63.9	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VN055434.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN055434.D (-2494) (-)





#51

4-Methyl-2-Pentanone

Concen: 116.090 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion: 43 Resp: 432758

Ion Ratio Lower Upper

43 100

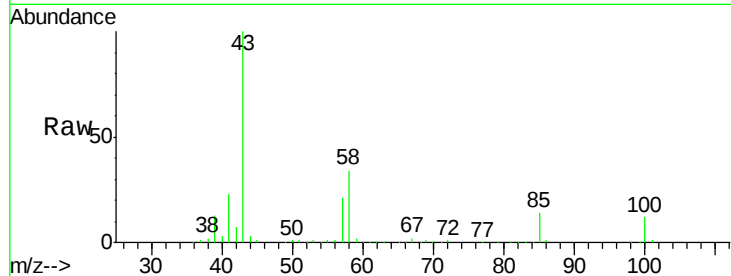
58 34.2 28.5 42.7

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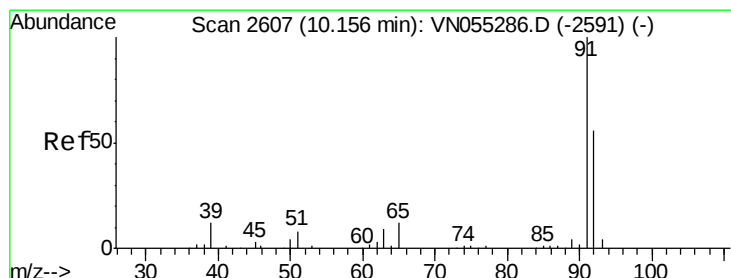
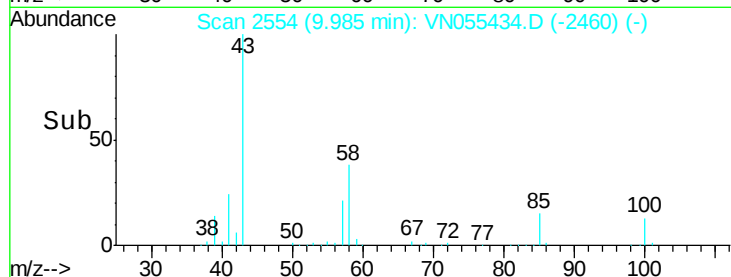
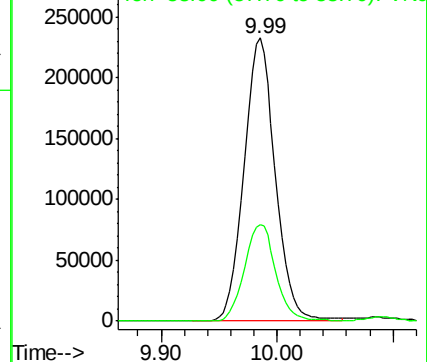
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 19.875 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055434.D

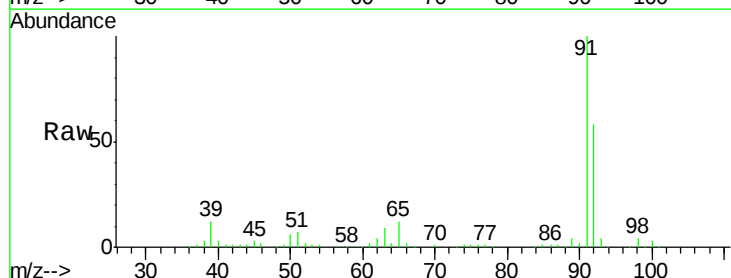
Acq: 7 May 2019 13:48

Tgt Ion: 92 Resp: 180714

Ion Ratio Lower Upper

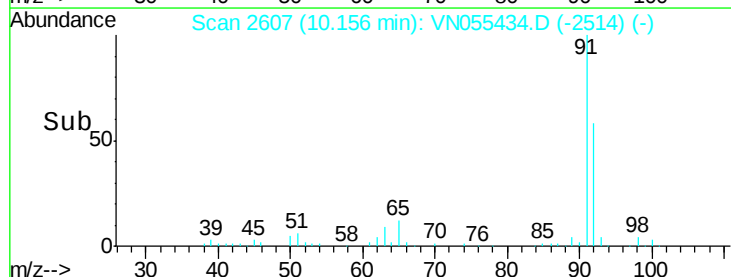
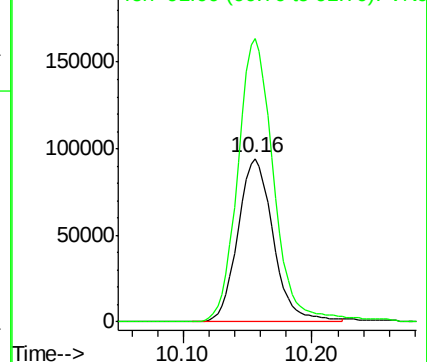
92 100

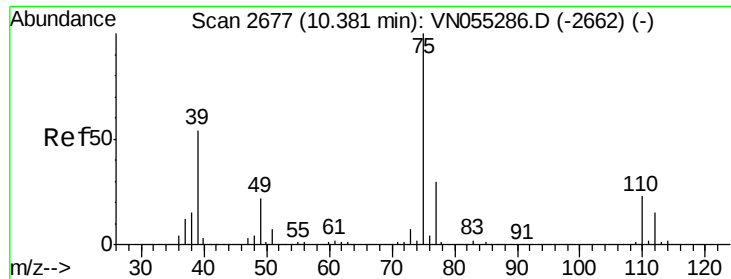
91 176.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





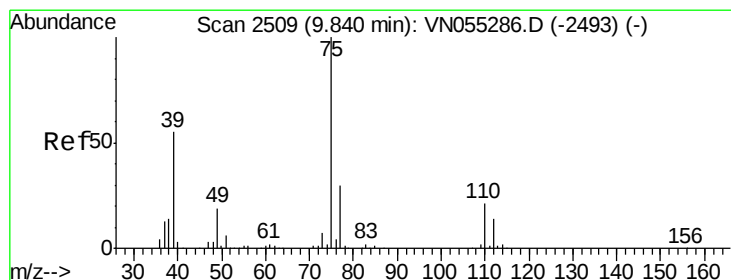
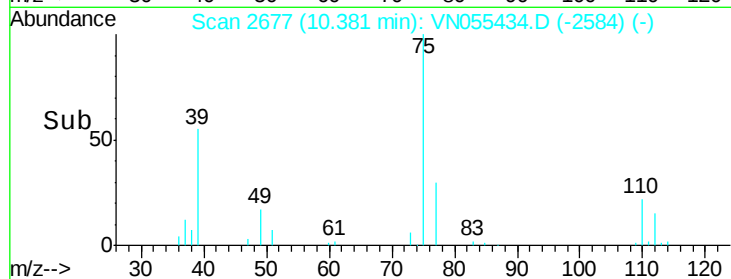
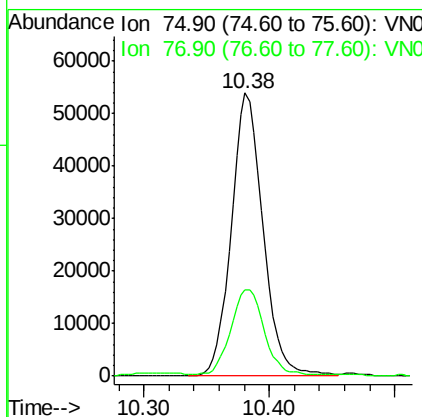
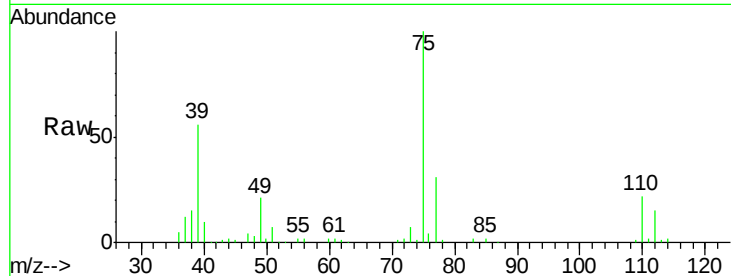
#53
 t-1,3-Dichloropropene
 Concen: 20.357 ug/l
 RT: 10.38 min Scan# 2677
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBS01

Tot Ion: 75 Resp: 94714
 Ion Ratio Lower Upper
 75 100
 77 29.9 24.4 36.6

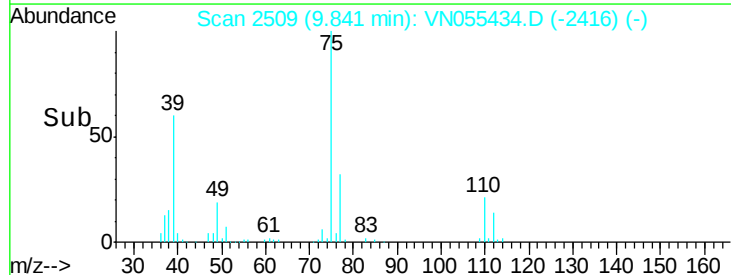
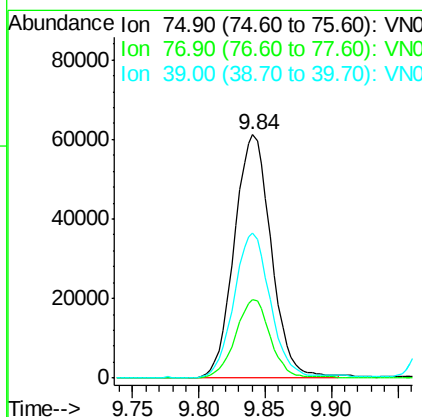
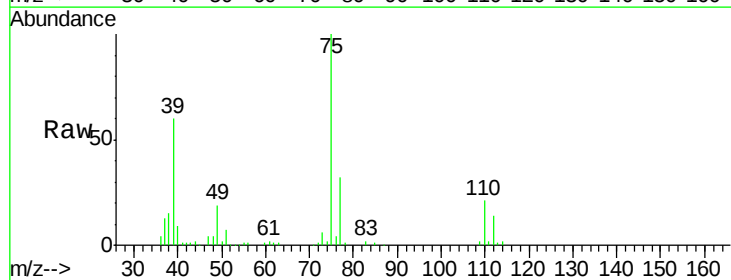
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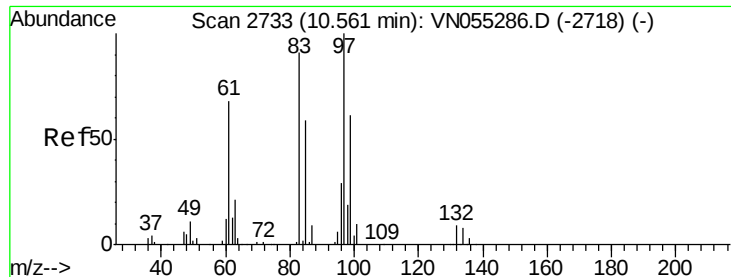
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#54
 cis-1,3-Dichloropropene
 Concen: 20.399 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion: 75 Resp: 118332
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.2 36.2
 39 59.5 44.2 66.2





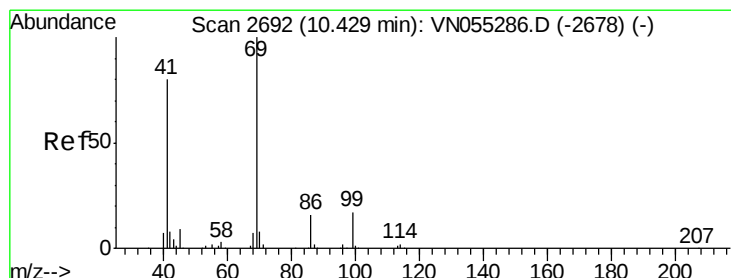
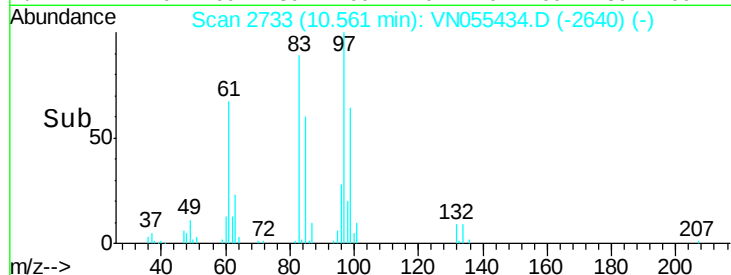
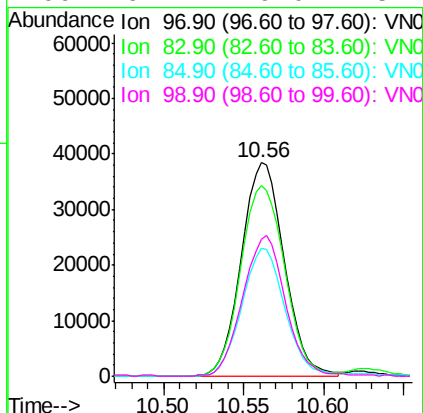
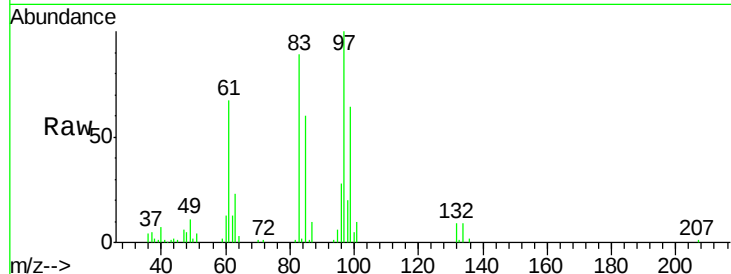
#55
 1,1,2-Trichloroethane
 Concen: 20.909 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion:	97	Resp:	70600
Ion	Ratio	Lower	Upper
97	100		
83	89.4	72.8	109.2
85	59.9	47.0	70.6
99	64.1	49.0	73.4

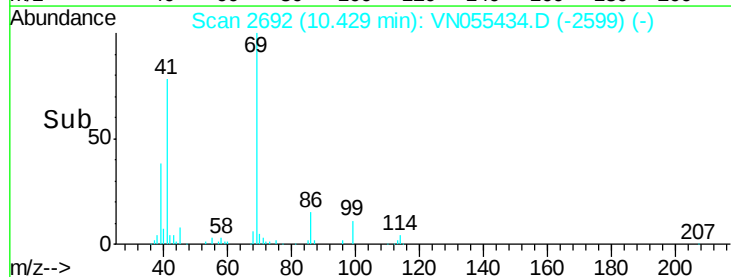
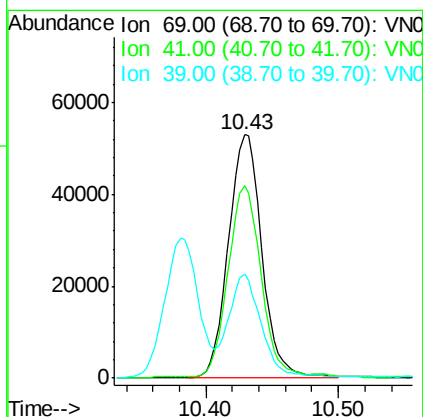
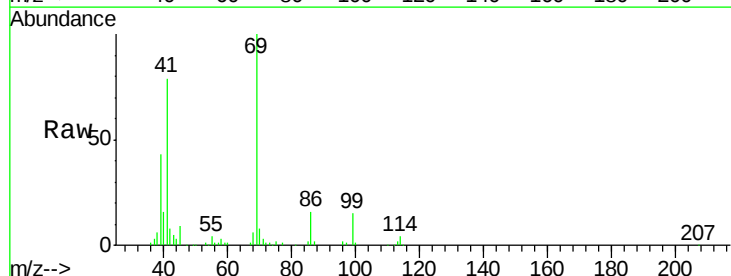
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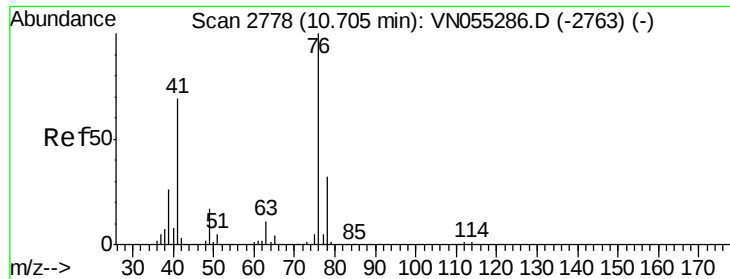
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#56
 Ethyl methacrylate
 Concen: 22.429 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion:	69	Resp:	93213
Ion	Ratio	Lower	Upper
69	100		
41	76.5	62.7	94.1
39	41.5	32.0	48.0





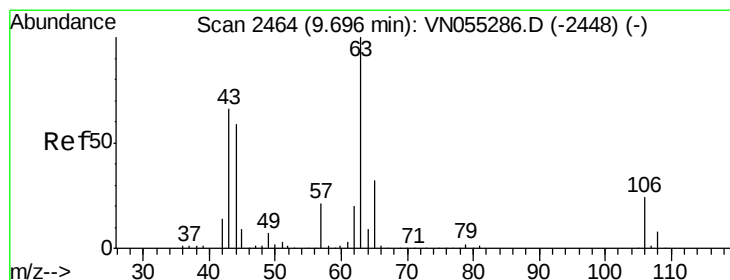
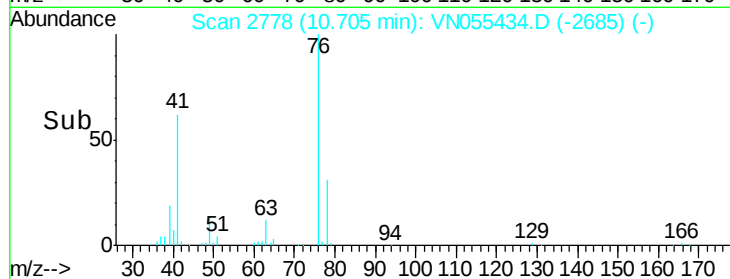
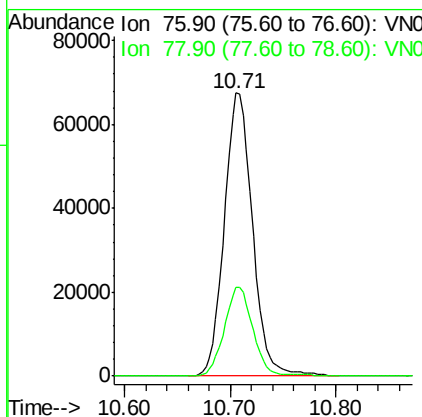
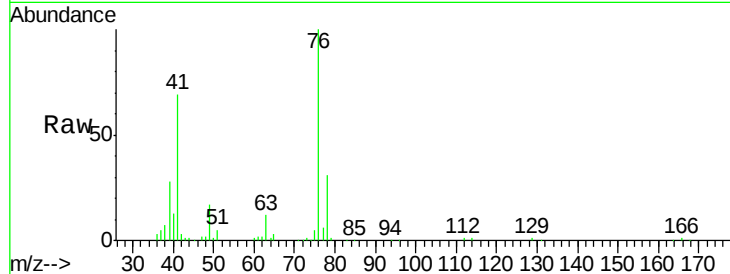
#57
 1,3-Dichloropropane
 Concen: 21.101 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.6	38.4

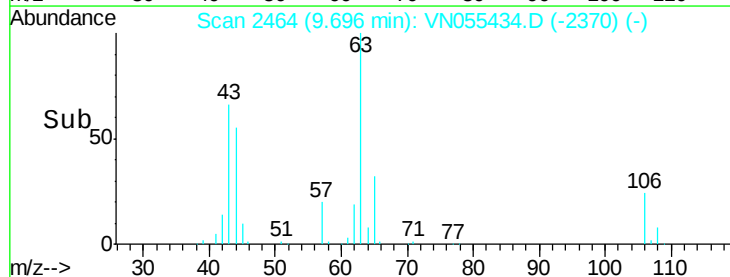
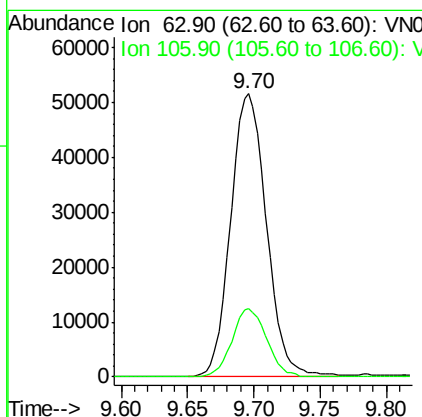
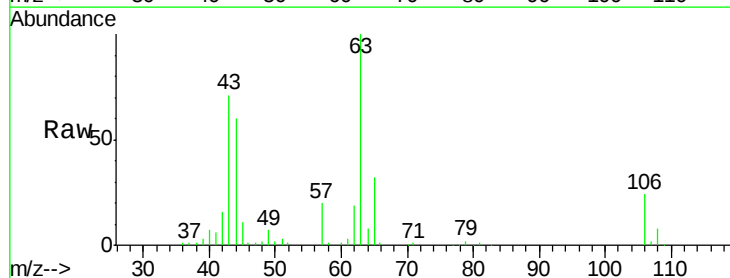
Manual Integrations
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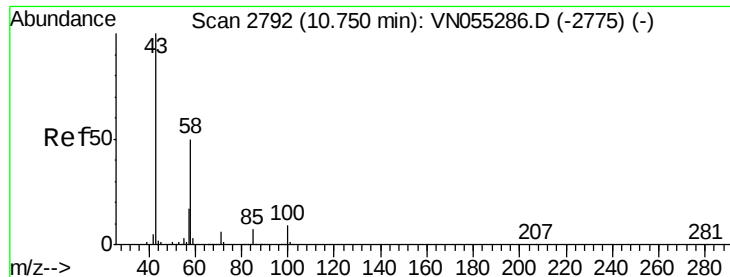
MMDadoda
 5/8/2019 10:21:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.785 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	23.3	19.0	28.4





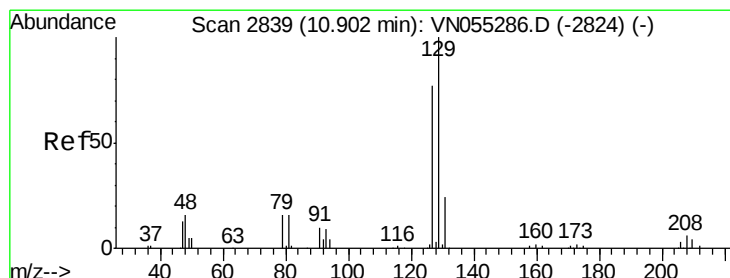
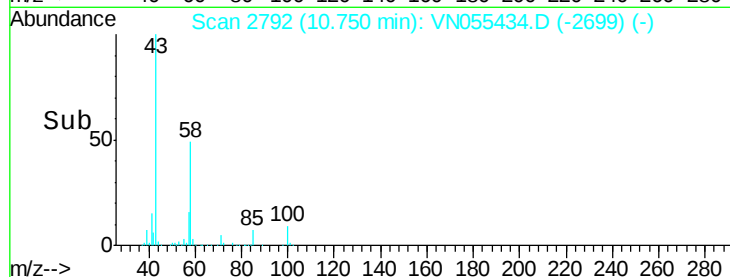
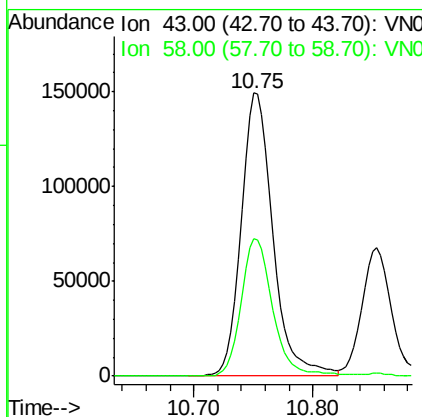
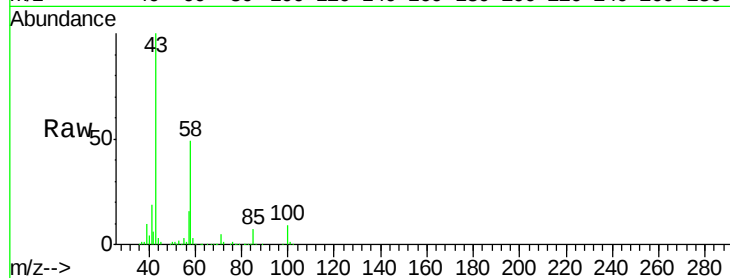
#59
2-Hexanone
Concen: 117.792 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion: 43 Resp: 274739
Ion Ratio Lower Upper
43 100
58 48.8 24.9 74.6

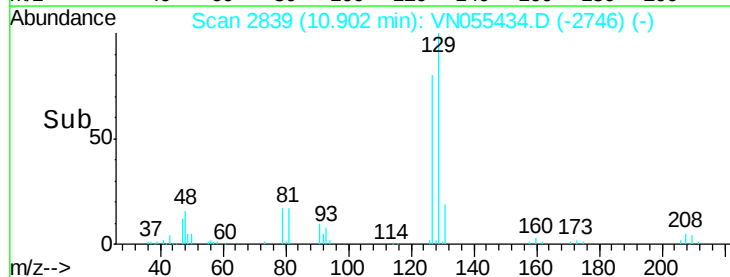
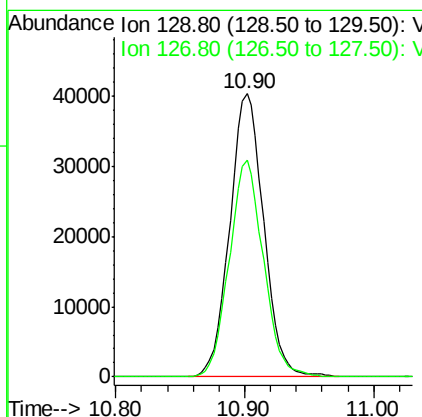
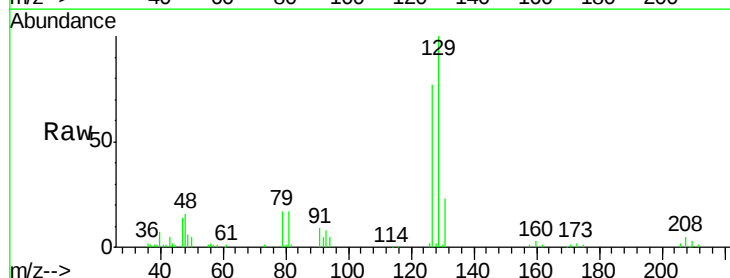
Manual Integrations
APPROVED

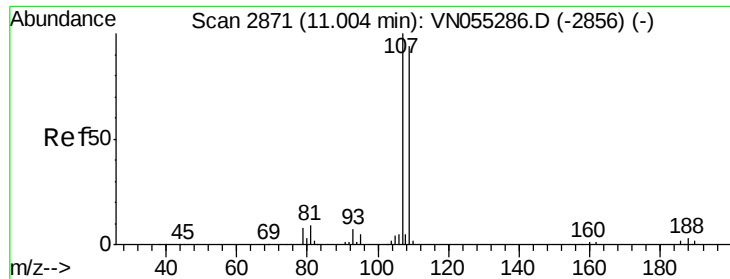
MMDadoda
5/8/2019 10:21:48 AM



#60
Dibromochloromethane
Concen: 21.375 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion: 129 Resp: 73764
Ion Ratio Lower Upper
129 100
127 76.9 38.1 114.5





#61

1,2-Dibromoethane

Concen: 20.453 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampled :

VN0507WBS01

Tot Ion:107 Resp: 63830

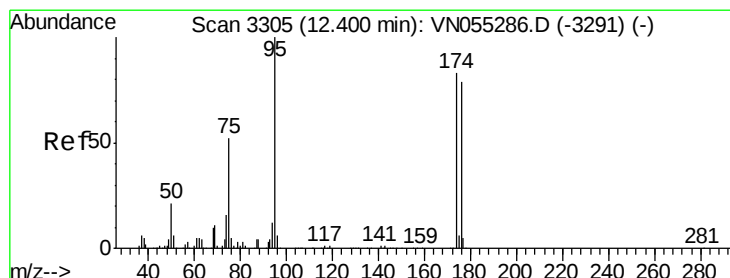
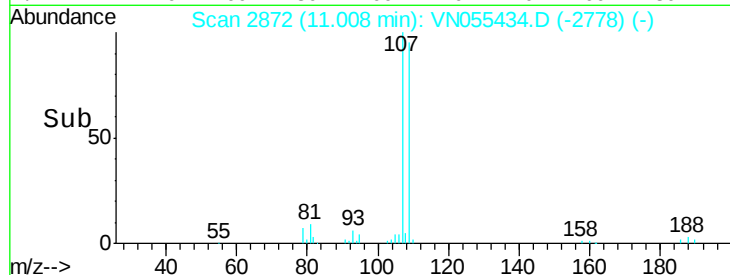
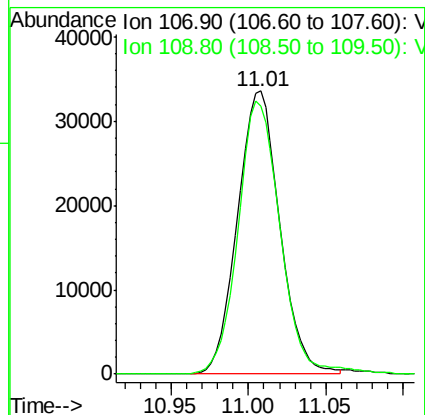
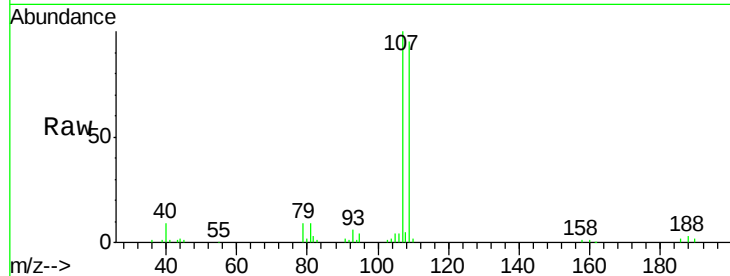
Ion Ratio Lower Upper

107 100

109 96.5 75.0 112.6

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:21:48 AM



#62

4-Bromofluorobenzene

Concen: 50.806 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

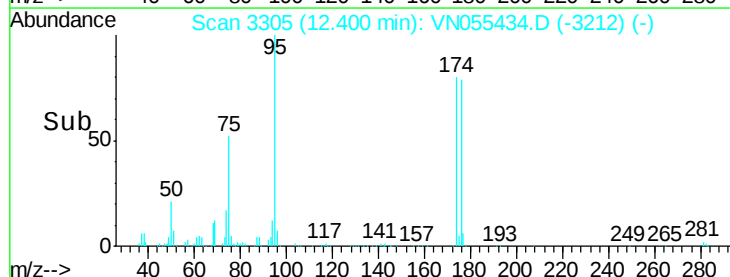
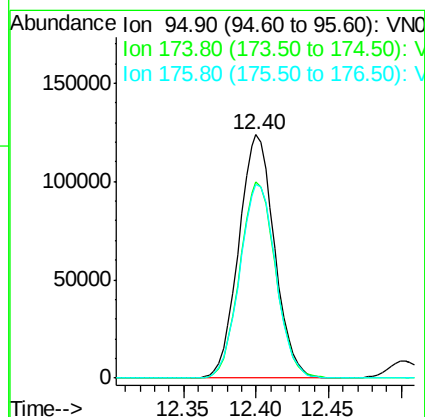
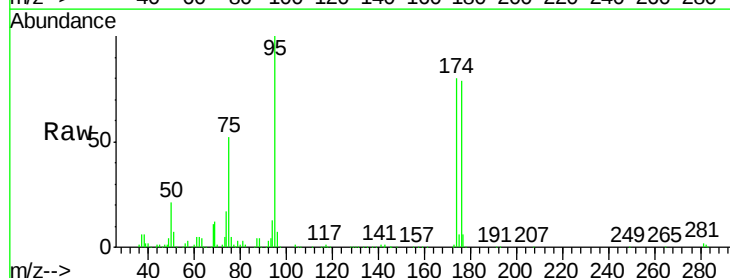
Tgt Ion: 95 Resp: 211208

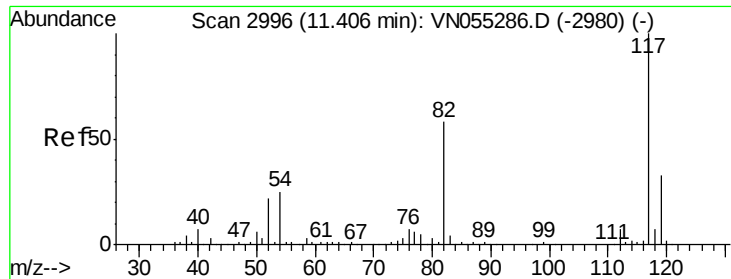
Ion Ratio Lower Upper

95 100

174 81.1 0.0 166.6

176 80.6 0.0 157.8





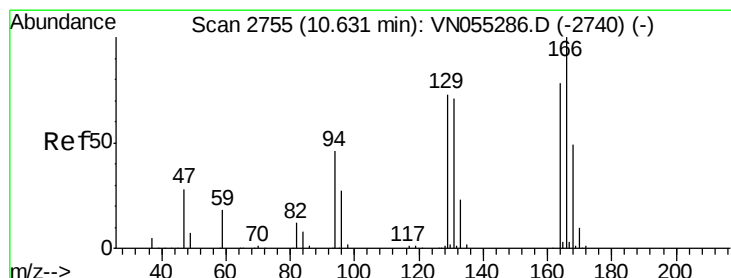
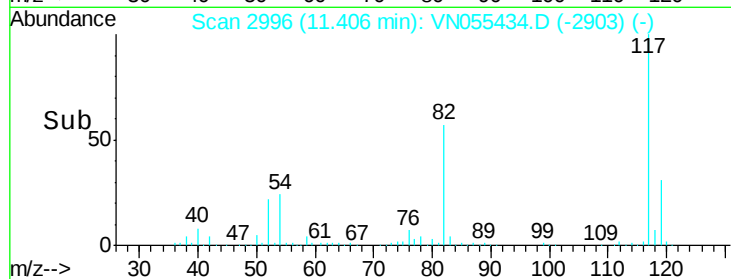
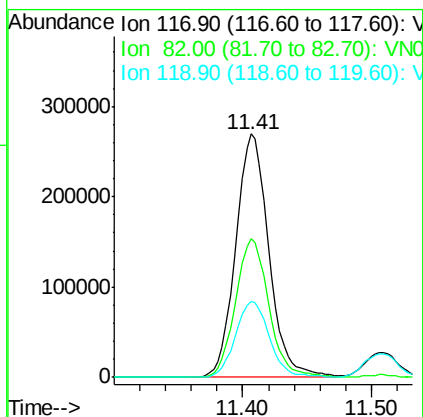
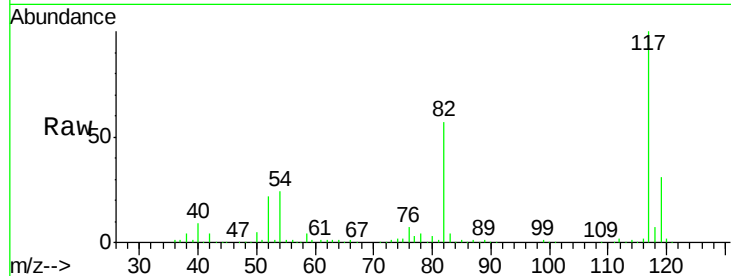
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	481670		
82	56.9	46.2	69.4	
119	31.3	26.6	40.0	

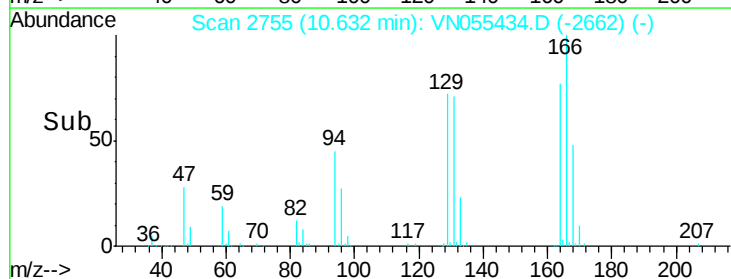
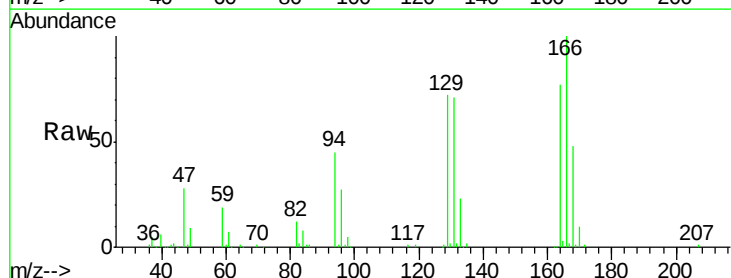
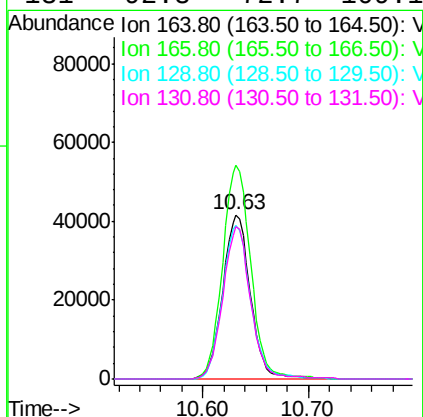
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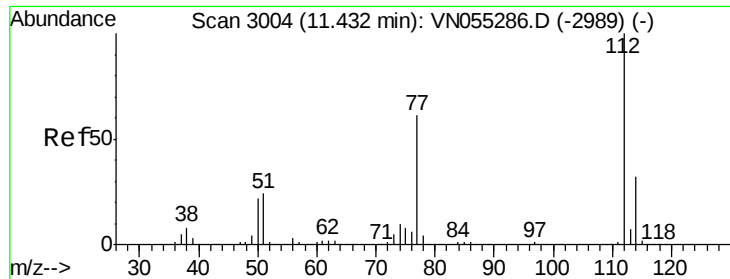
MMDadoda
5/8/2019 10:21:48 AM



#64
Tetrachloroethene
Concen: 19.199 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	75625		
166	130.1	102.3	153.5	
129	93.8	75.0	112.6	
131	92.8	72.7	109.1	





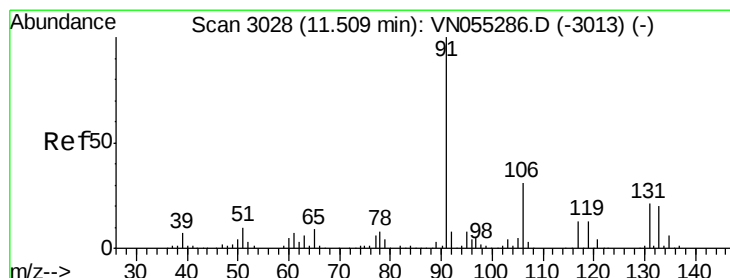
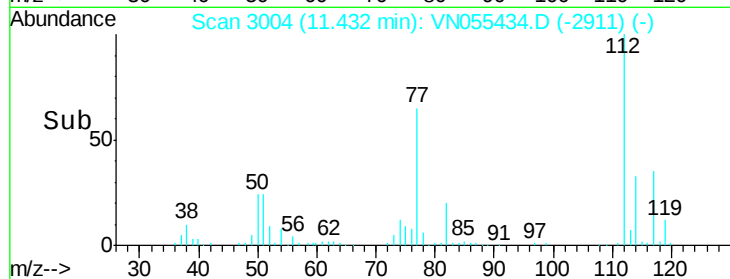
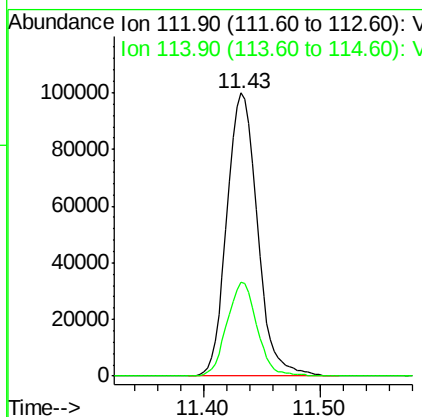
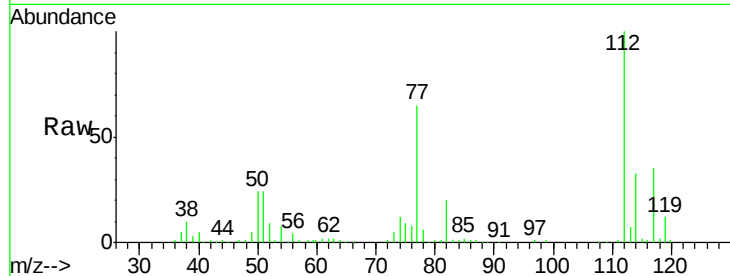
#65
Chlorobenzene
Concen: 19.342 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion:112 Resp: 182149
Ion Ratio Lower Upper
112 100
114 33.1 25.3 37.9

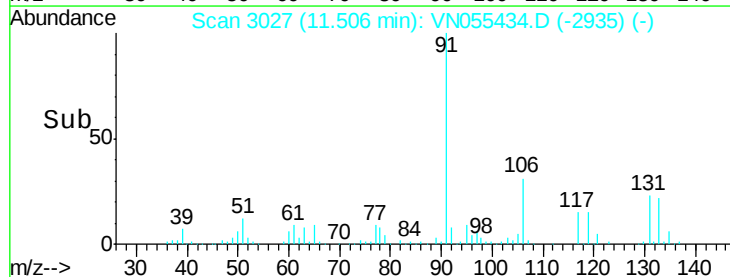
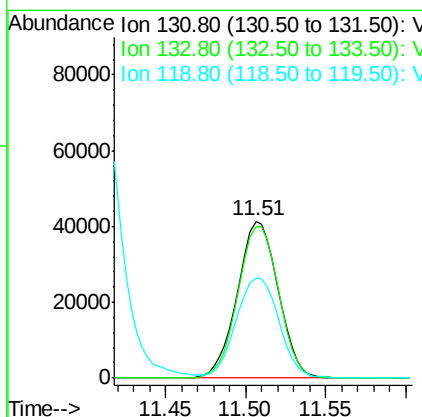
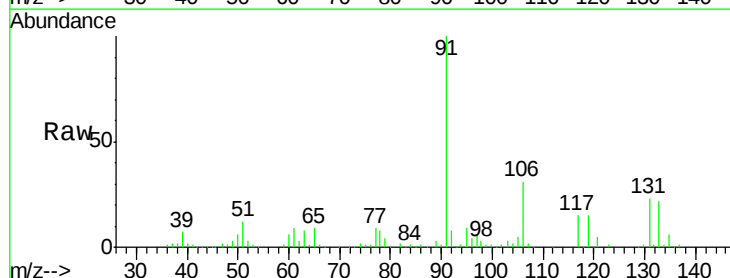
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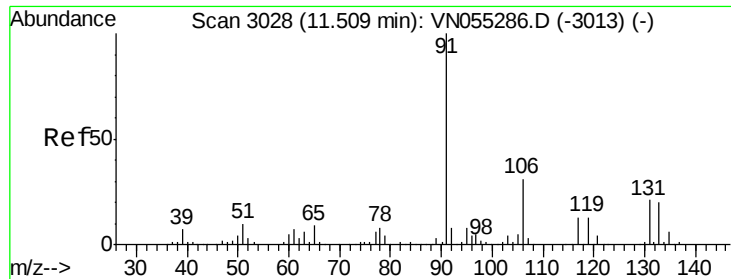
MMDadoda
5/8/2019 10:21:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.531 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion:131 Resp: 72022
Ion Ratio Lower Upper
131 100
133 97.0 47.5 142.6
119 67.3 32.7 98.1





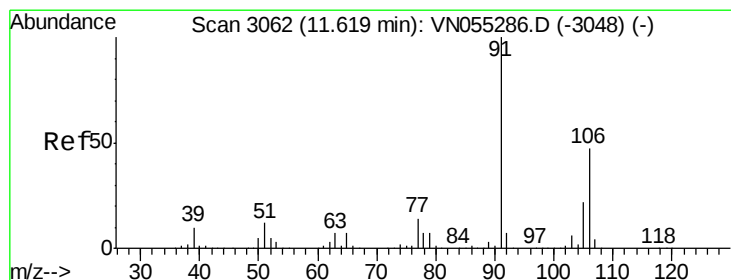
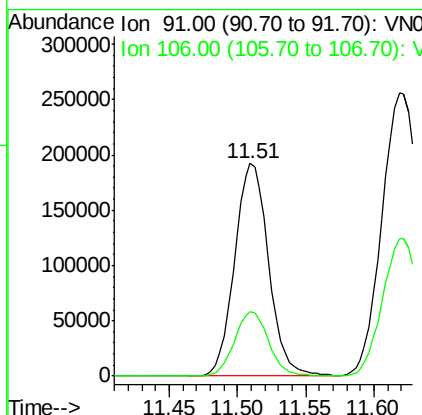
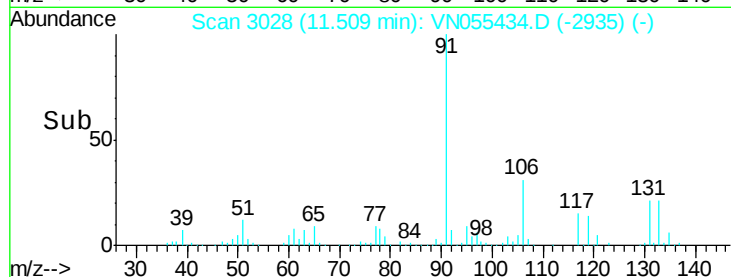
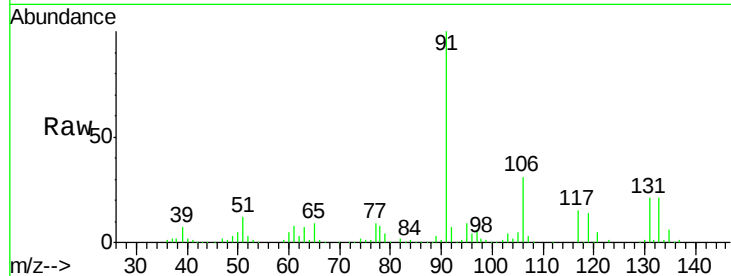
#67
Ethyl Benzene
Concen: 19.571 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion: 91 Resp: 332816
Ion Ratio Lower Upper
91 100
106 30.6 24.6 36.8

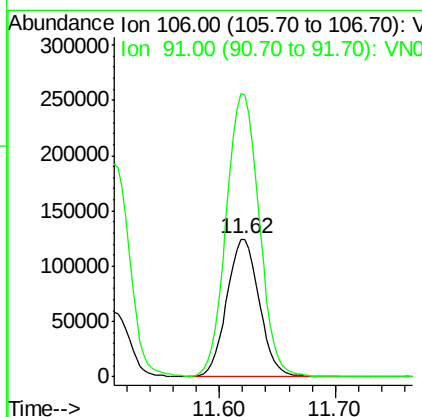
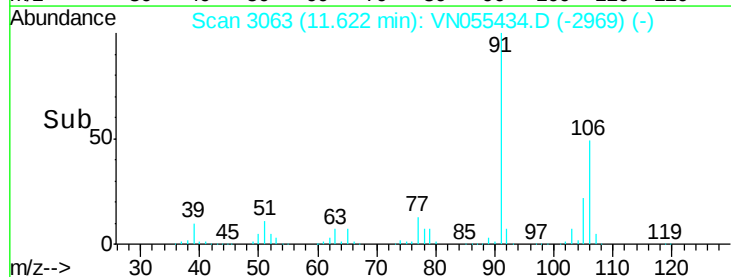
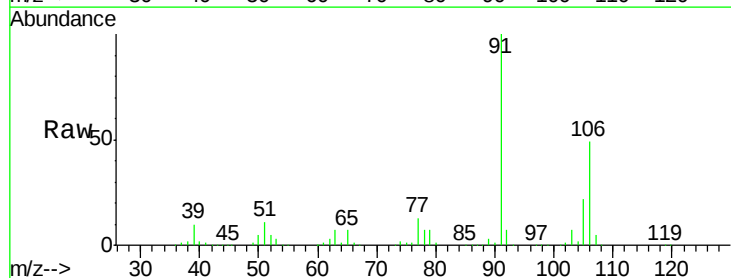
Manual Integrations
APPROVED

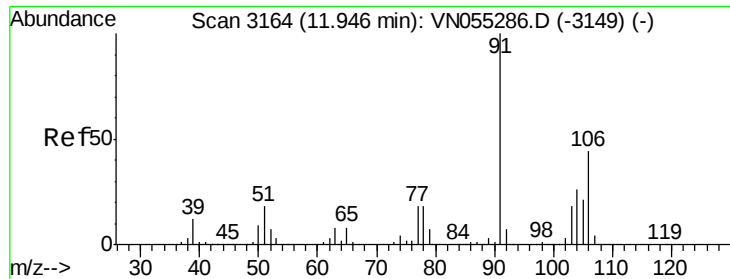
MMDadoda
5/8/2019 10:21:48 AM



#68
m/p-Xylenes
Concen: 39.927 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion: 106 Resp: 242359
Ion Ratio Lower Upper
106 100
91 208.9 169.5 254.3





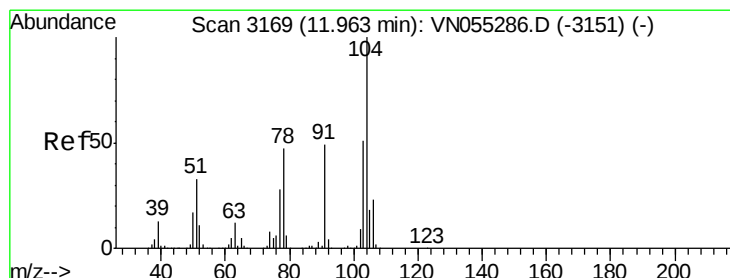
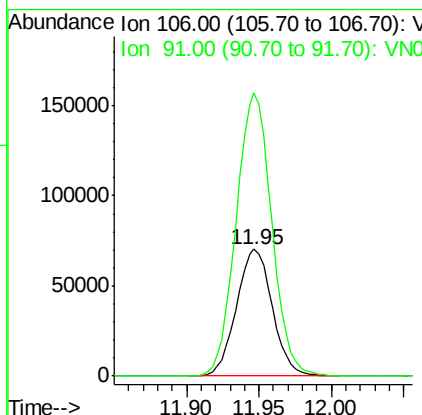
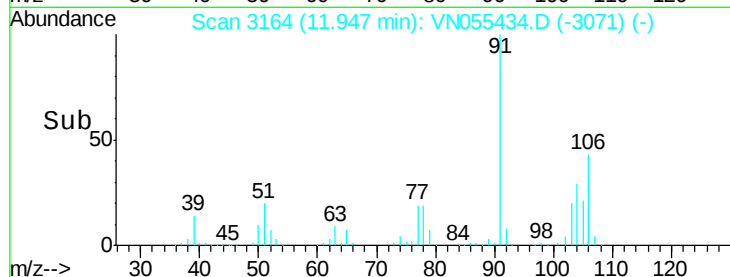
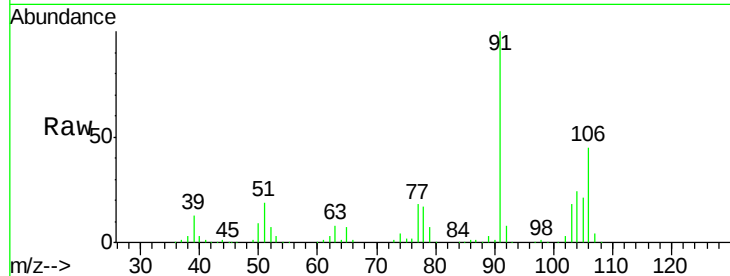
#69
o-Xylene
Concen: 20.107 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion:106 Resp: 120971
Ion Ratio Lower Upper
106 100
91 221.4 111.5 334.5

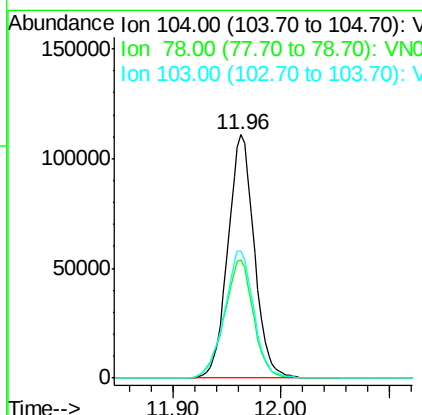
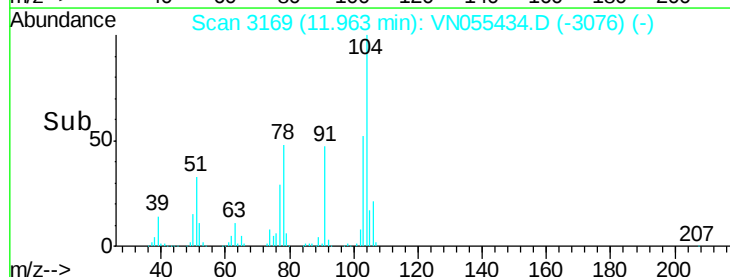
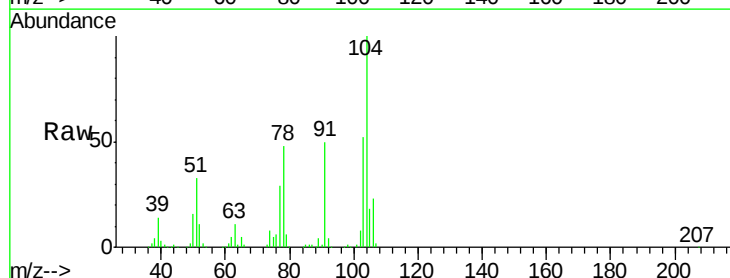
Manual Integrations
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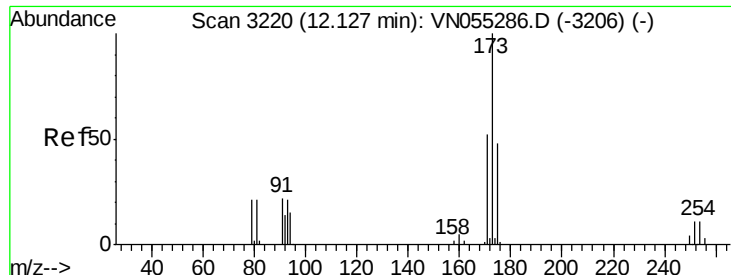
MMDadoda
5/8/2019 10:21:48 AM



#70
Styrene
Concen: 20.491 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion:104 Resp: 189288
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.2
103 57.7 44.6 67.0





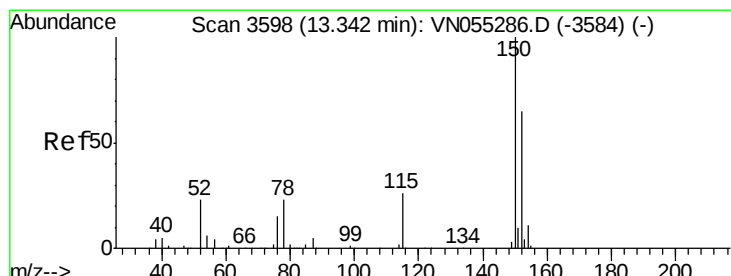
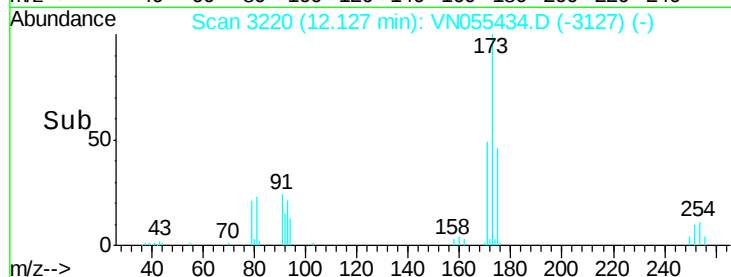
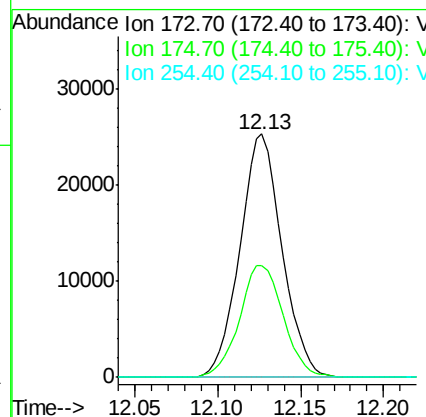
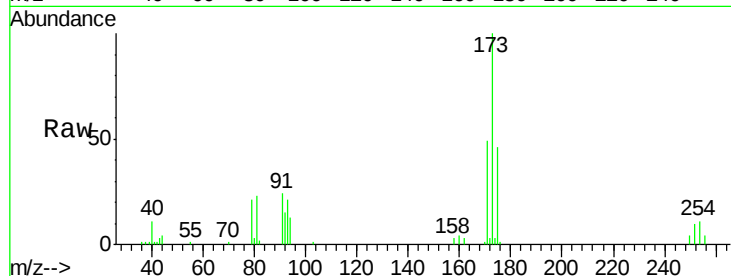
#71
Bromoform
Concen: 21.691 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	23.6	71.0
254	0.0	0.0	0.0

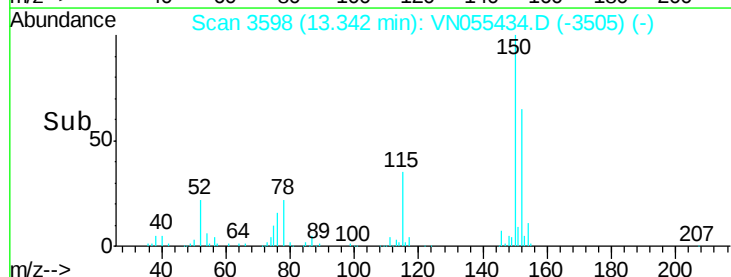
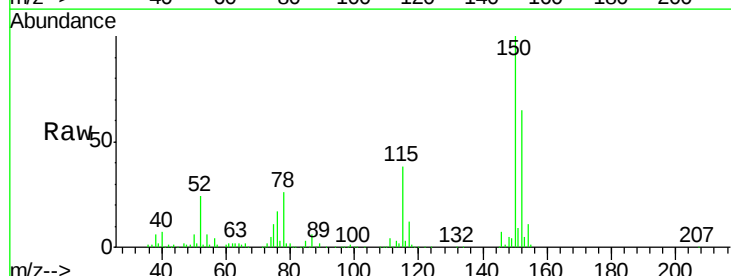
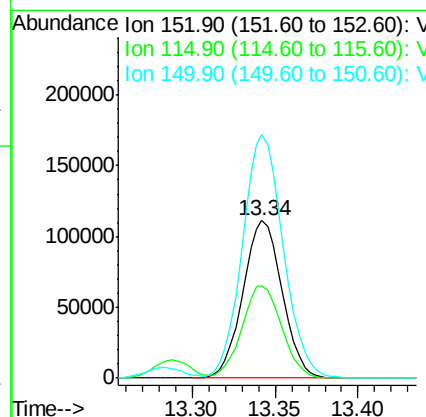
Manual Integrations
APPROVED

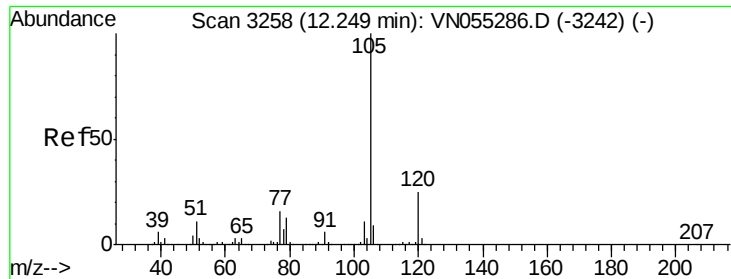
MMDadoda
5/8/2019 10:21:48 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.6	29.0	87.0
150	161.8	0.0	345.6





#73

Isopropylbenzene

Concen: 20.960 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 105 Resp: 330387

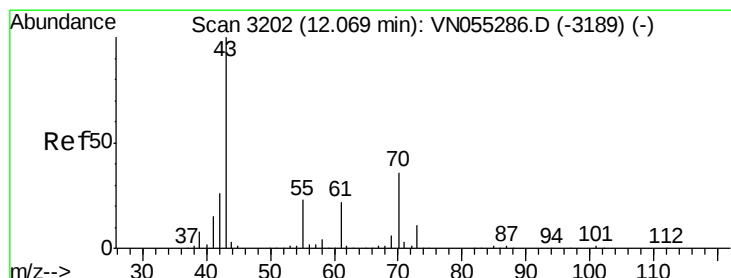
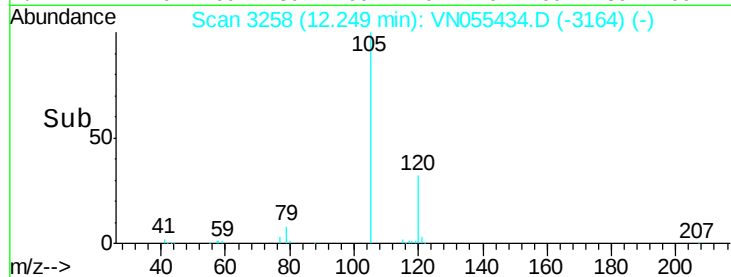
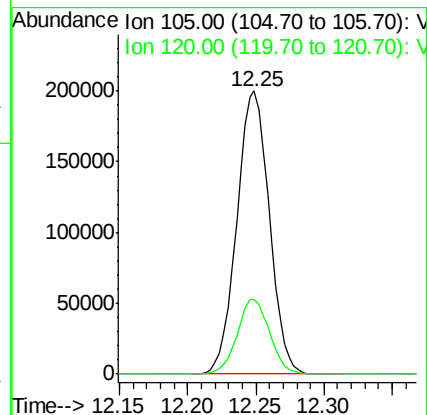
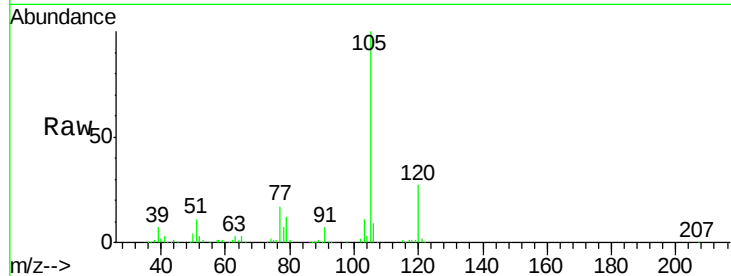
Ion Ratio Lower Upper

105 100

120 26.4 12.9 38.7

Manual Integrations
APPROVED

MMDadoda
5/8/2019 10:21:48 AM



#74

N-ethyl acetate

Concen: 21.578 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Tgt Ion: 43 Resp: 100867

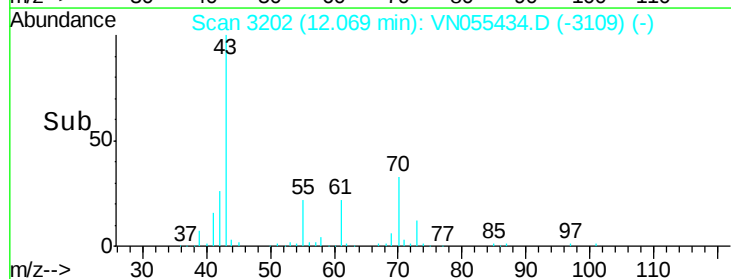
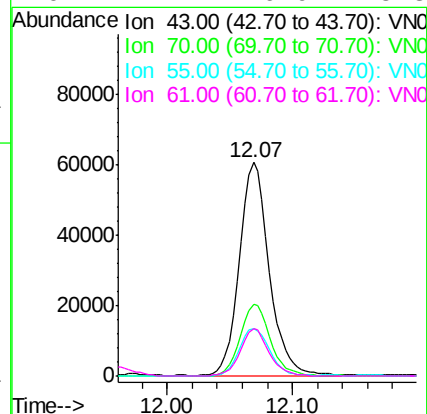
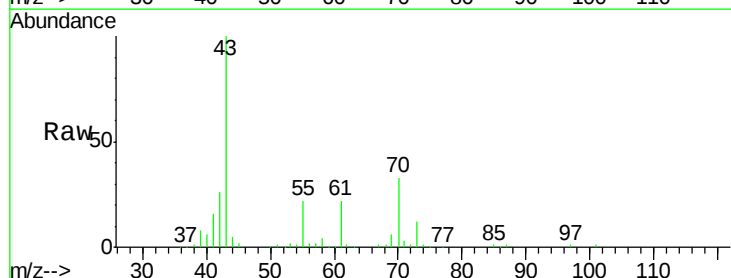
Ion Ratio Lower Upper

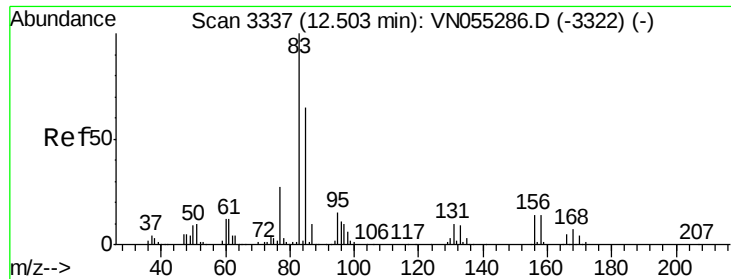
43 100

70 33.8 27.9 41.9

55 22.9 18.2 27.2

61 21.1 16.9 25.3





#75

1,1,2,2-Tetrachloroethane

Concen: 22.236 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

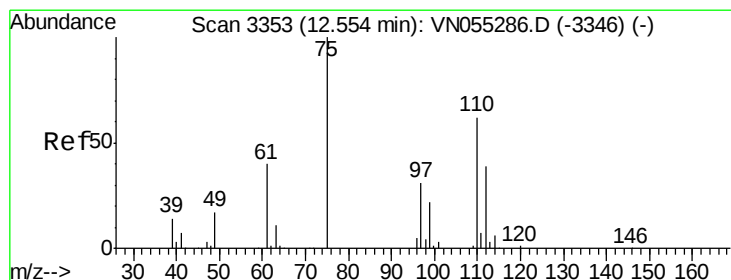
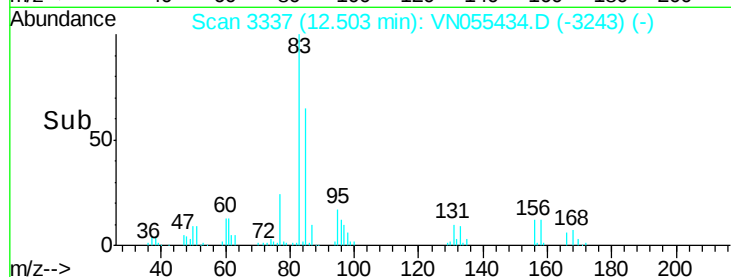
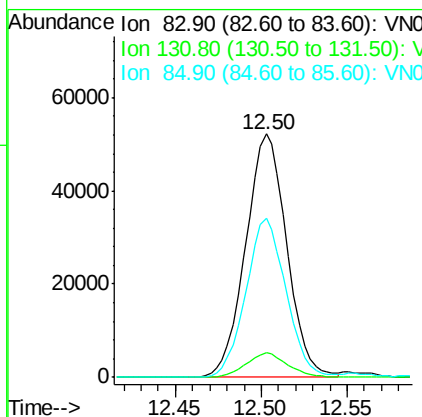
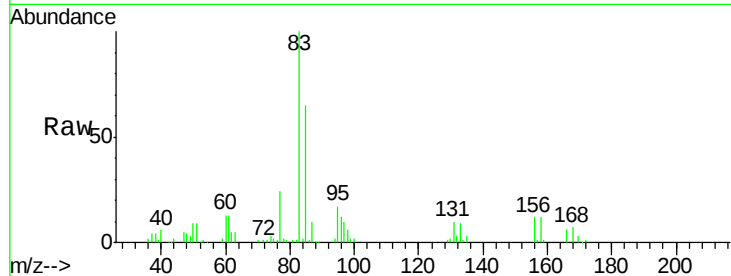
ClientSampled :

VN0507WBS01

Tot Ion:	83	Resp:	86619
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.1	15.2
85	63.6	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.783 ug/l m

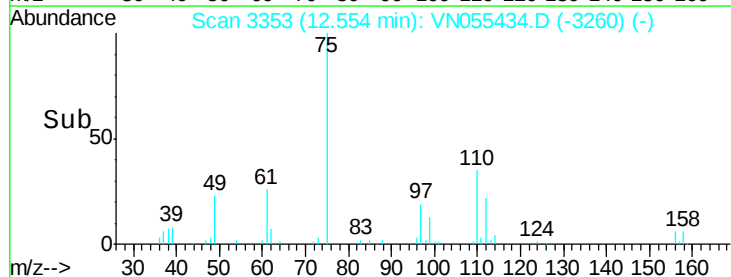
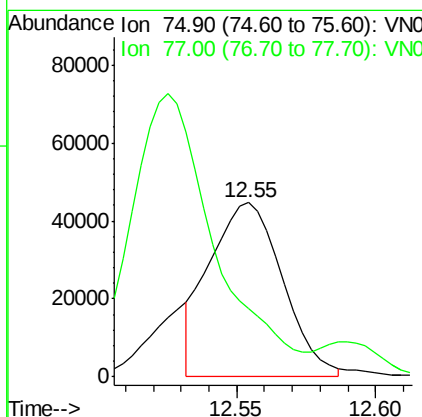
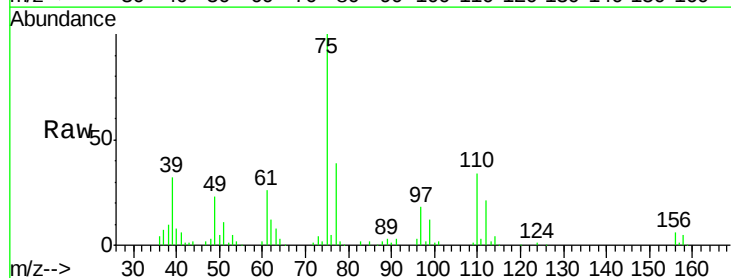
RT: 12.55 min Scan# 3353

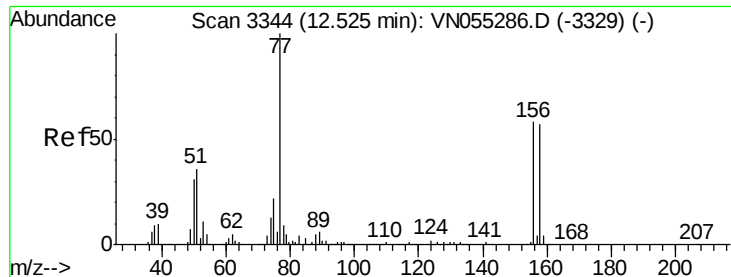
Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Tgt Ion:	75	Resp:	81774
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.419 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

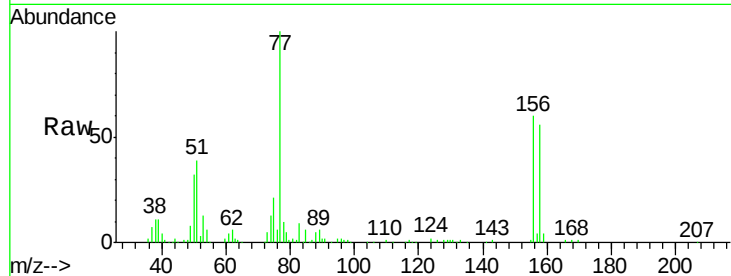
ClientSampleId :

VN0507WBS01

Tot Ion:	156	Resp:	75484
Ion Ratio	Lower	Upper	
156	100		
77	202.6	99.6	298.8
158	97.2	49.3	147.8

Manual Integrations
APPROVED

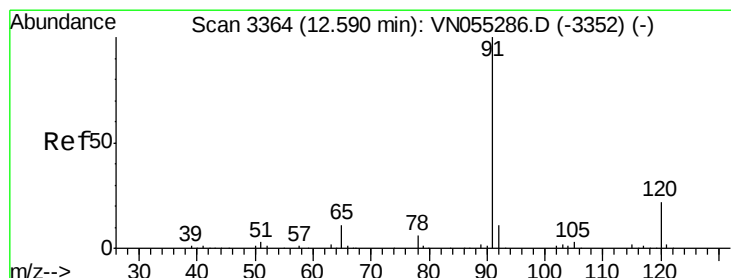
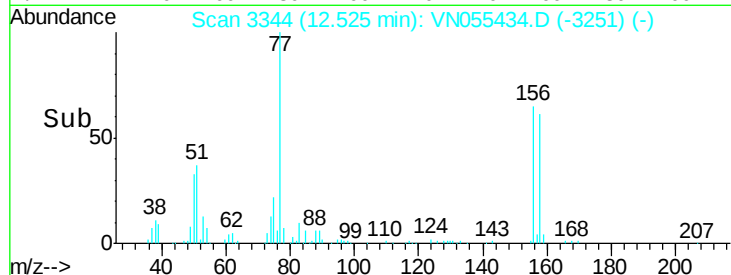
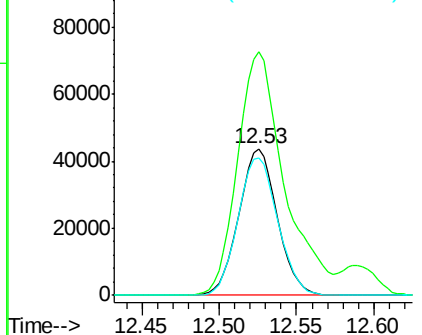
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.869 ug/l

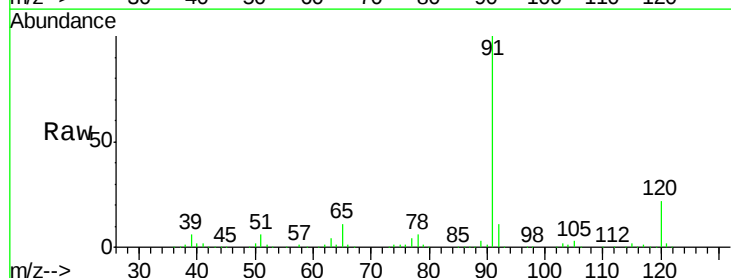
RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055434.D

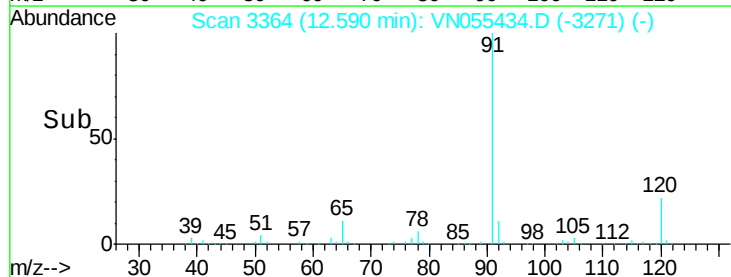
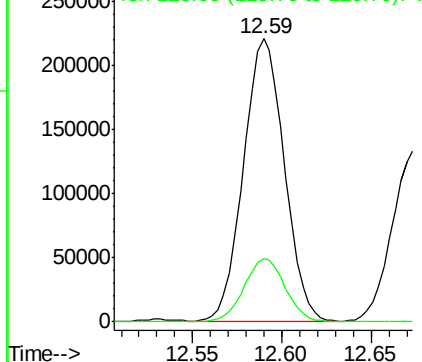
Acq: 7 May 2019 13:48

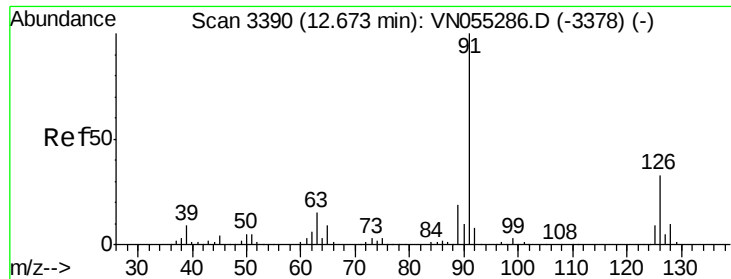
Tgt Ion:	91	Resp:	353036
Ion Ratio	Lower	Upper	
91	100		
120	22.6	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.975 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

ClientSampleId :

VN0507WBS01

Tot Ion: 91 Resp: 222305

Ion Ratio Lower Upper

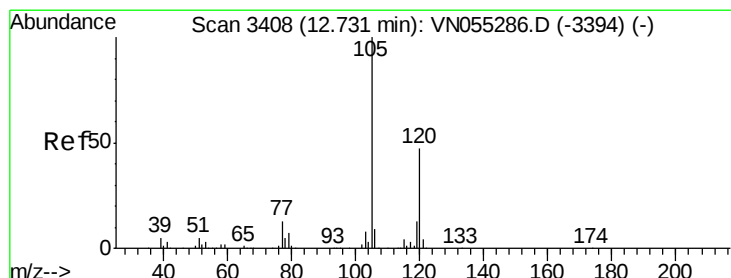
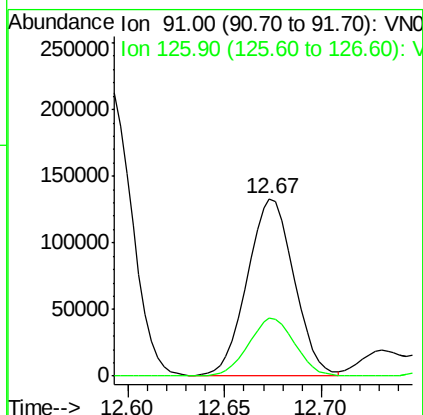
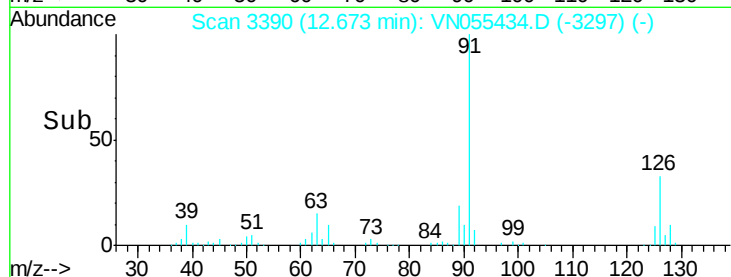
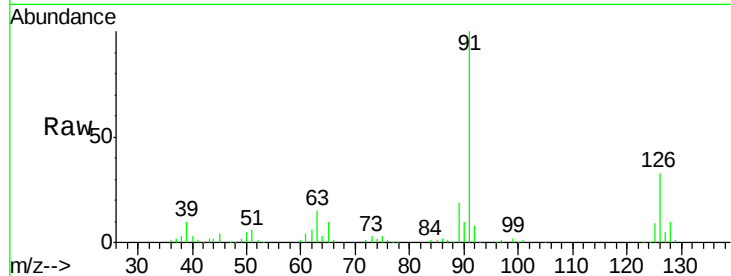
91 100

126 32.7 16.6 49.7

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 19.027 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055434.D

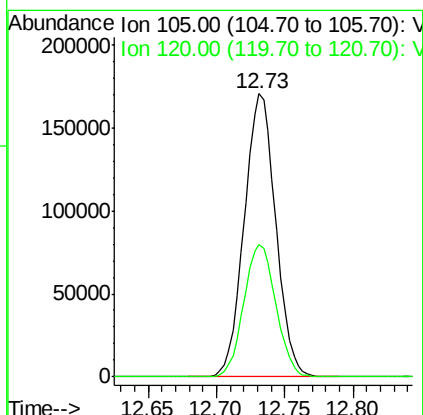
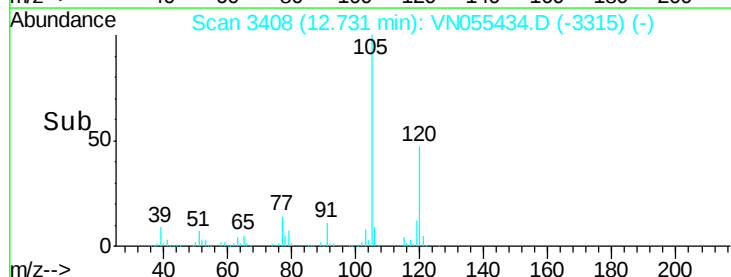
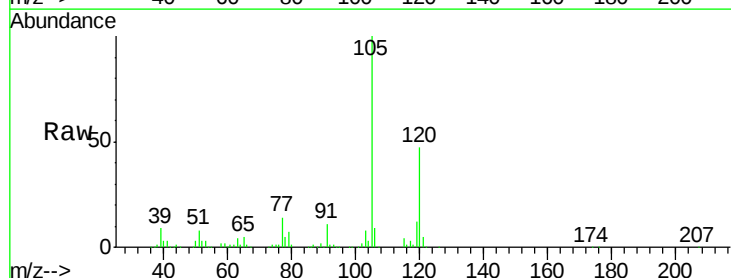
Acq: 7 May 2019 13:48

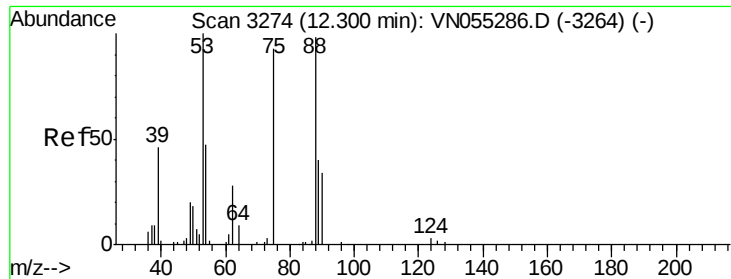
Tgt Ion: 105 Resp: 271698

Ion Ratio Lower Upper

105 100

120 47.8 23.4 70.0





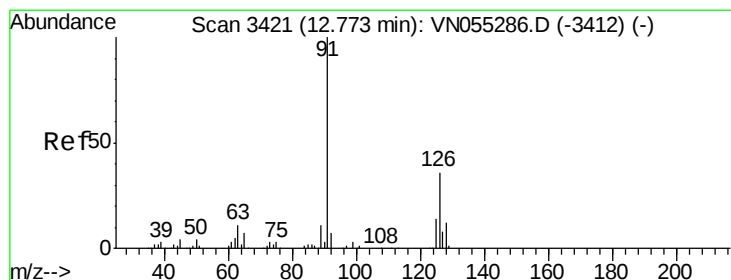
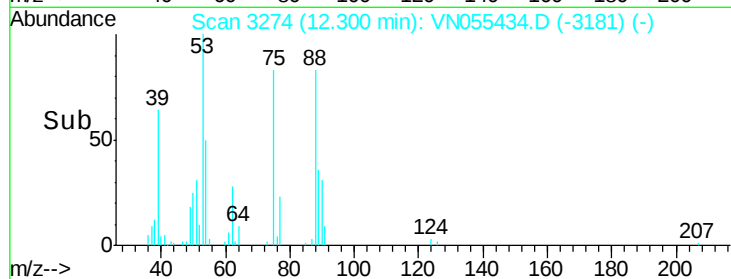
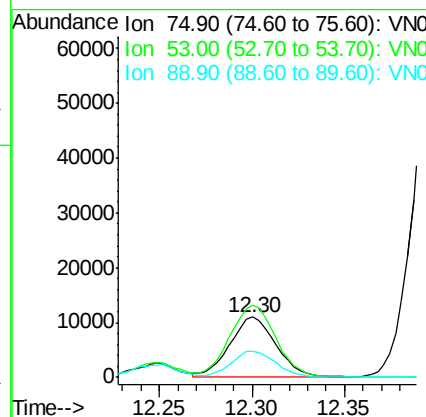
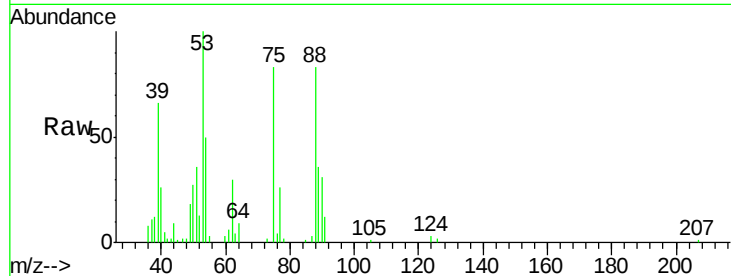
#81
trans-1,4-Dichloro-2-butene
Concen: 19.919 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	120.9	86.3	129.5
89	41.6	34.6	51.8

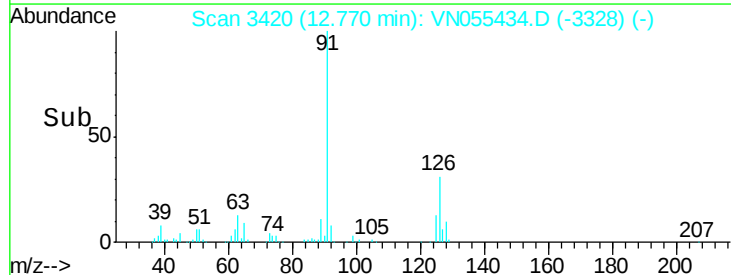
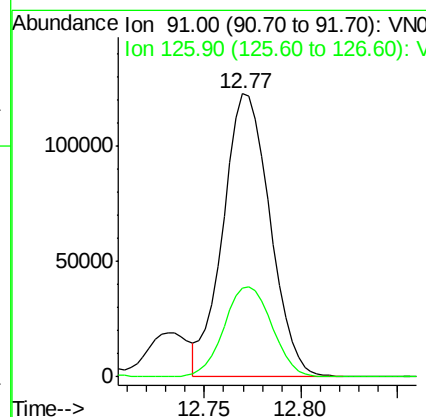
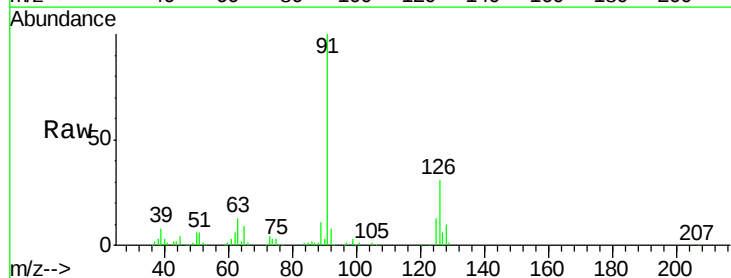
Manual Integrations
APPROVED

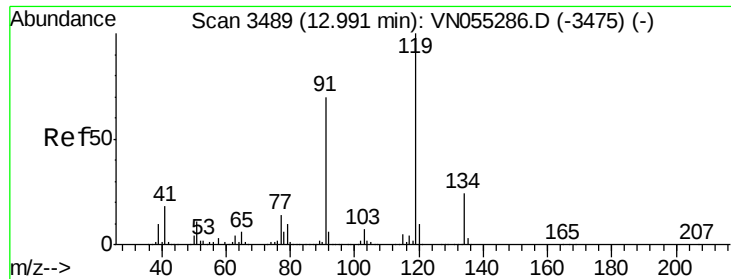
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#82
4-Chlorotoluene
Concen: 18.976 ug/l
RT: 12.77 min Scan# 3420
Delta R.T. -0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.6	49.7





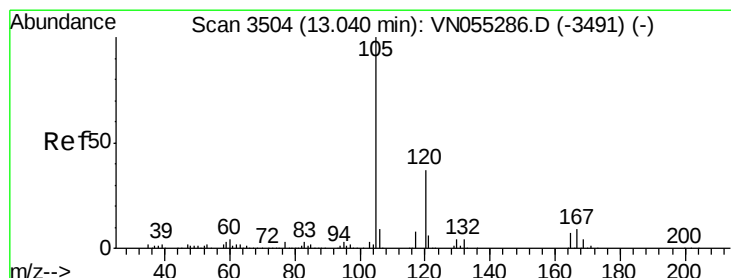
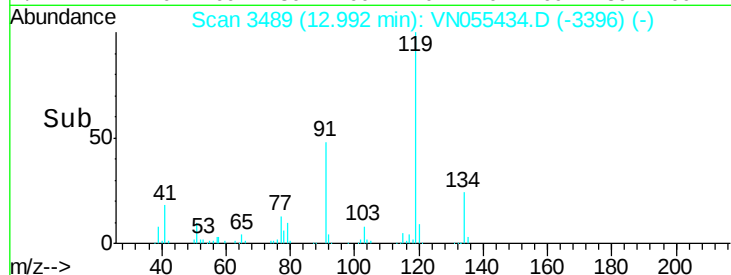
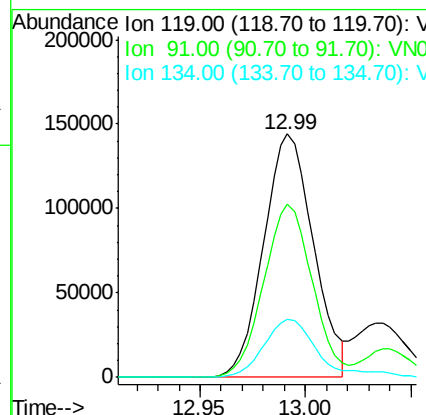
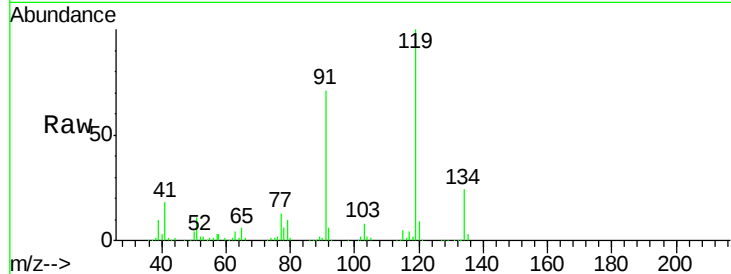
#83
tert-Butylbenzene
Concen: 21.817 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampled :
VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	237095		
91	69.4	34.3	102.9	
134	26.0	13.1	39.3	

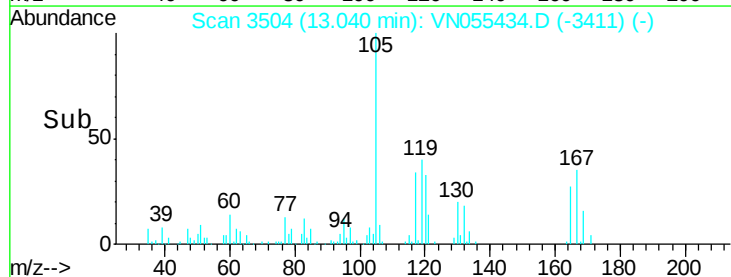
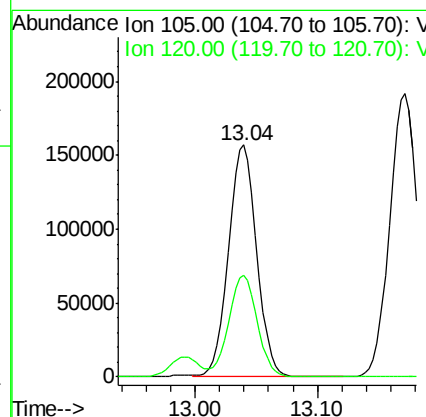
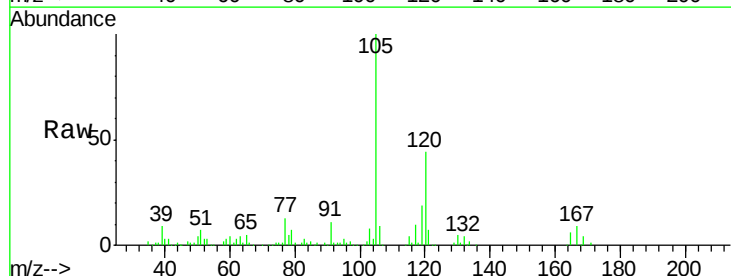
Manual Integrations
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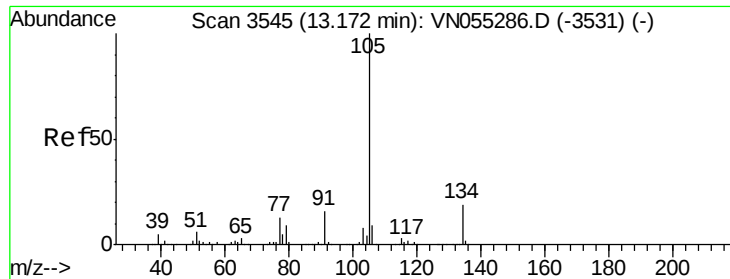
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 19.918 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	254369		
120	44.3	22.1	66.5	





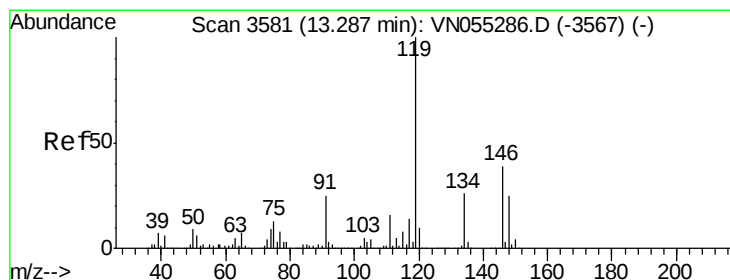
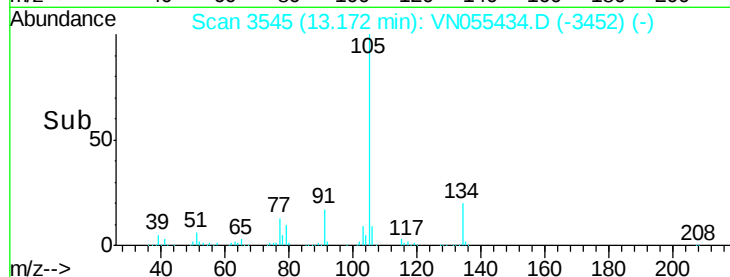
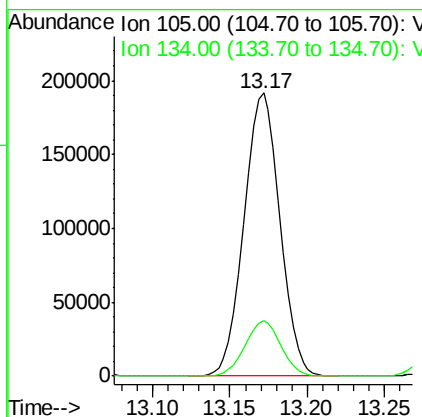
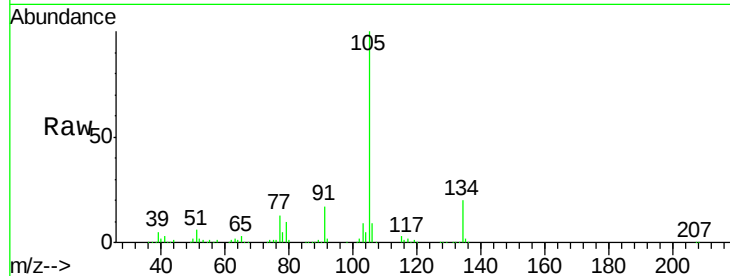
#85
 sec-Butylbenzene
 Concen: 19.977 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.6	28.8

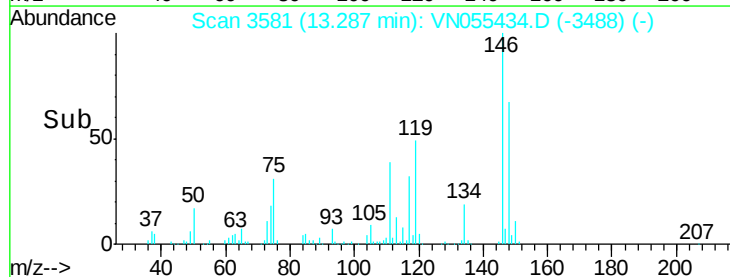
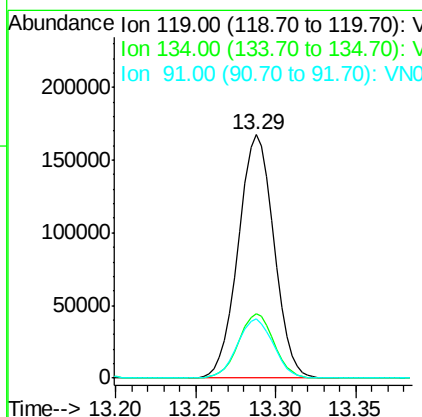
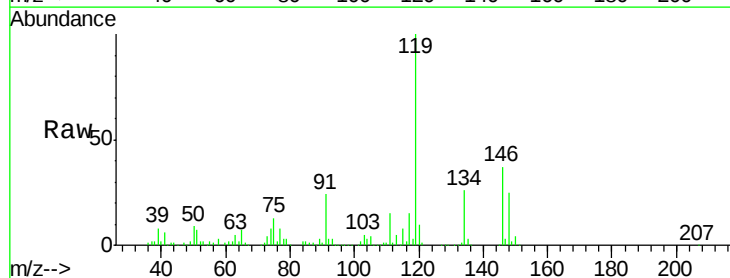
Manual Integrations
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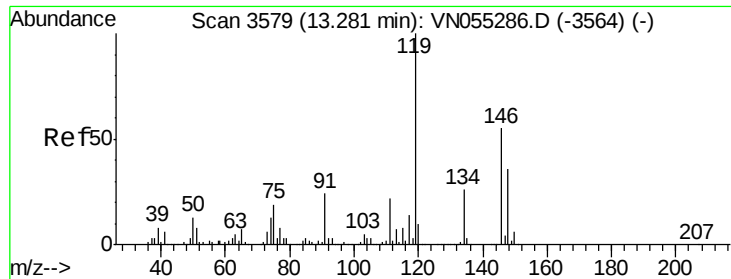
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#86
 p-Isopropyltoluene
 Concen: 19.861 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	38.9
91	24.7	12.2	36.6





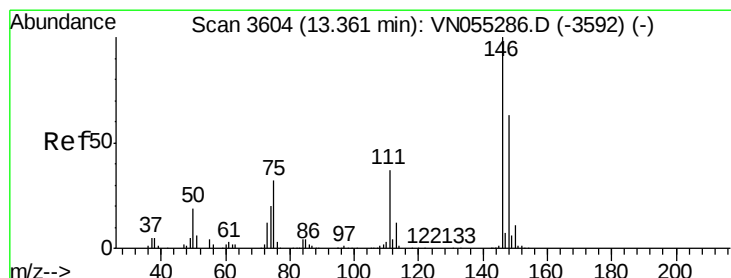
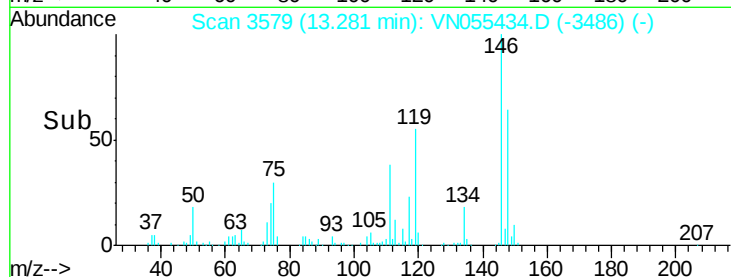
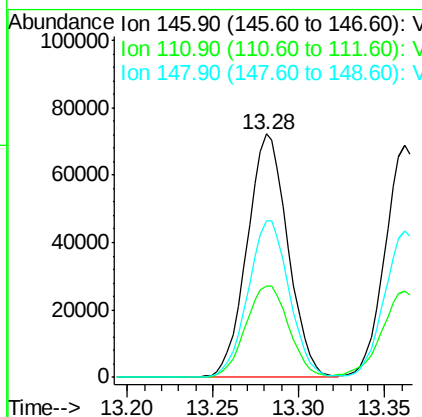
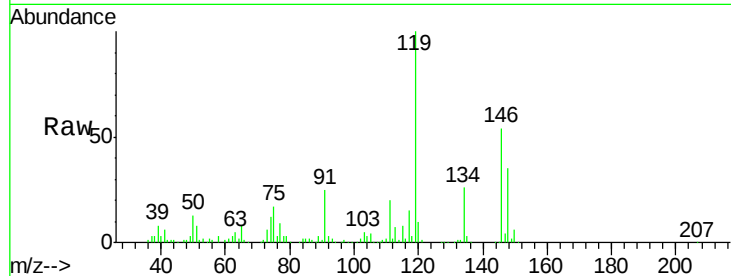
#87
 1,3-Dichlorobenzene
 Concen: 19.436 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	118459		
111	39.7	20.3	60.8	
148	65.0	32.5	97.5	

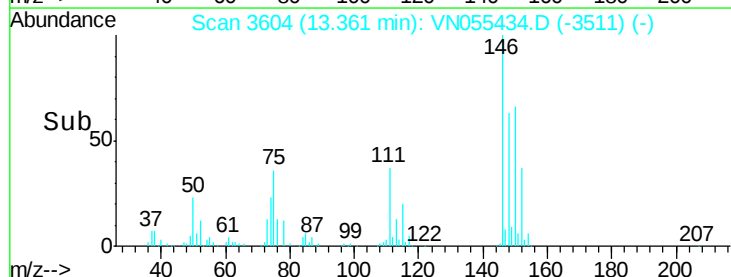
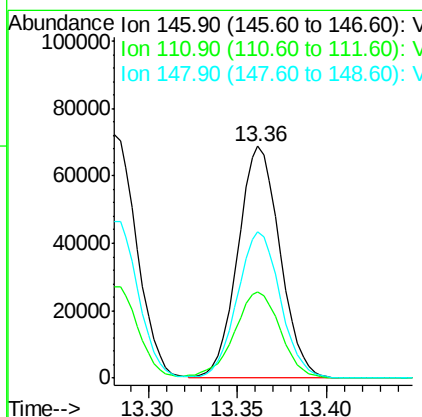
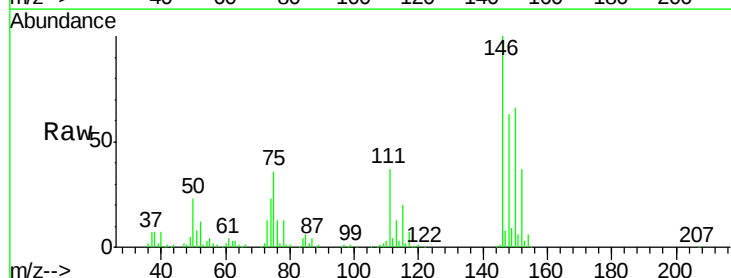
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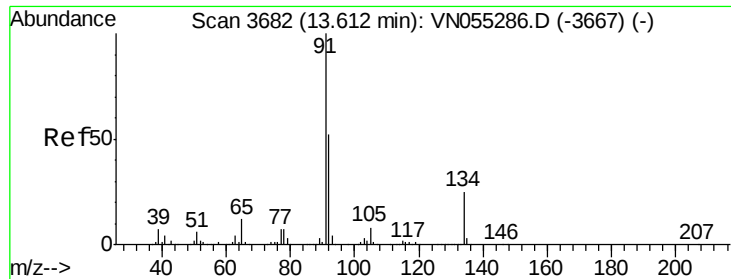
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#88
 1,4-Dichlorobenzene
 Concen: 19.594 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	112468		
111	41.0	19.5	58.5	
148	64.8	32.5	97.4	





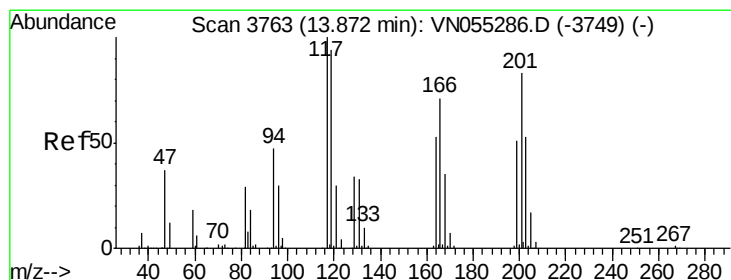
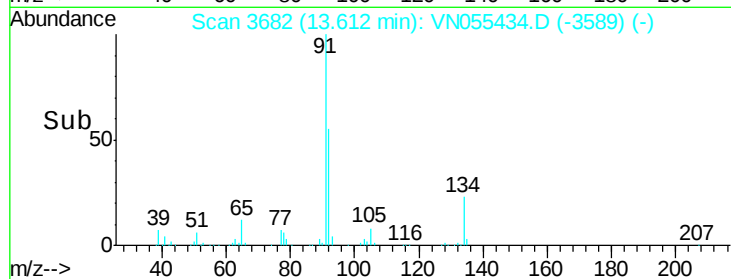
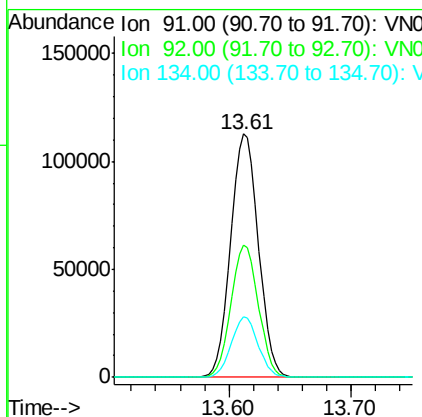
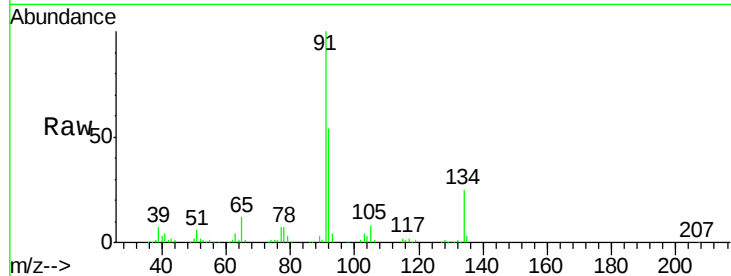
#89
n-Butylbenzene
Concen: 19.766 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Instrument :
MSVOA_N
ClientSampleId :
VN0507WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.4	26.1	78.3
134	24.0	12.4	37.4

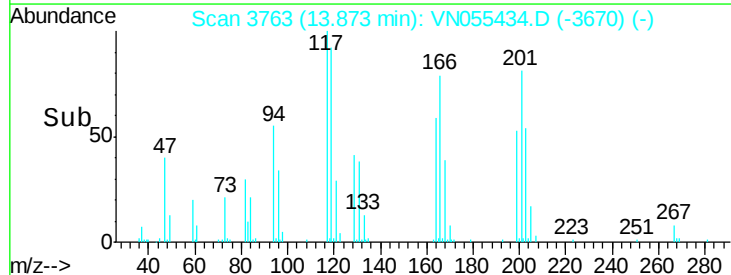
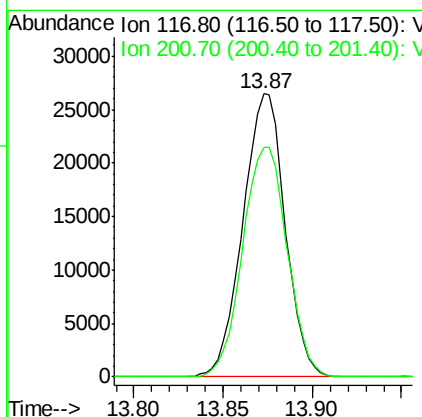
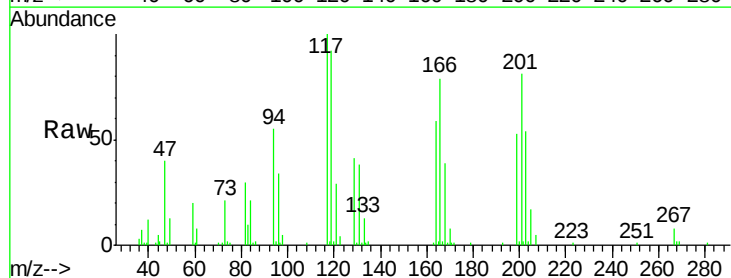
Manual Integrations
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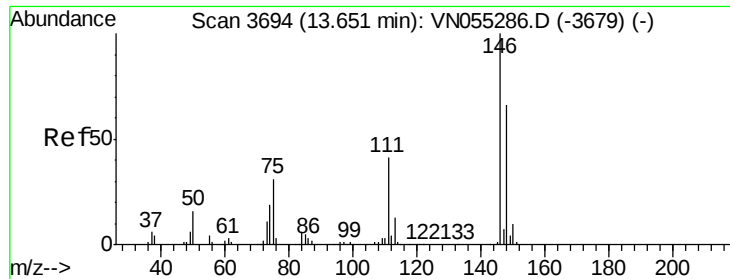
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#90
Hexachloroethane
Concen: 20.769 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN055434.D
Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.4	41.9	125.8





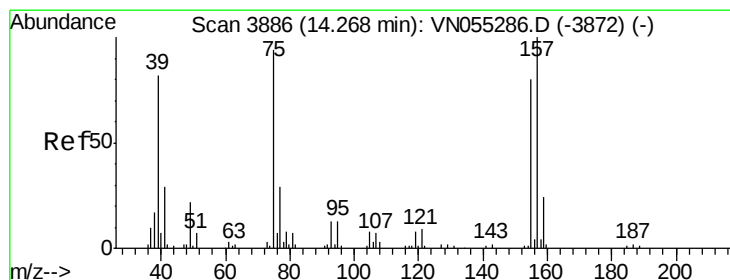
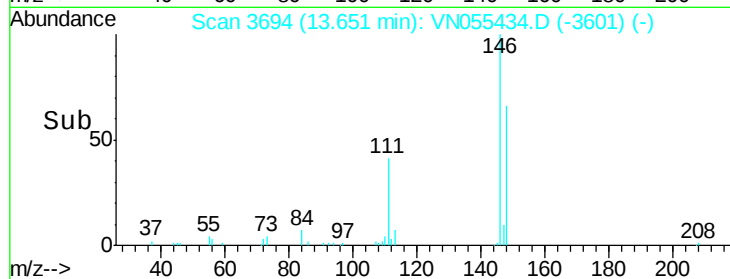
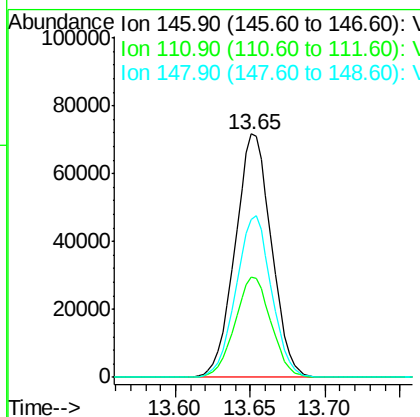
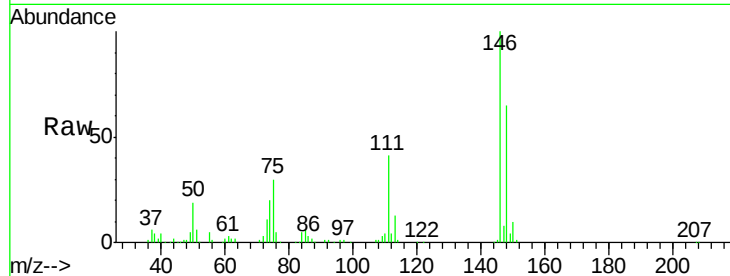
#91
 1,2-Dichlorobenzene
 Concen: 19.951 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0507WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.3	61.0
148	65.1	32.4	97.2

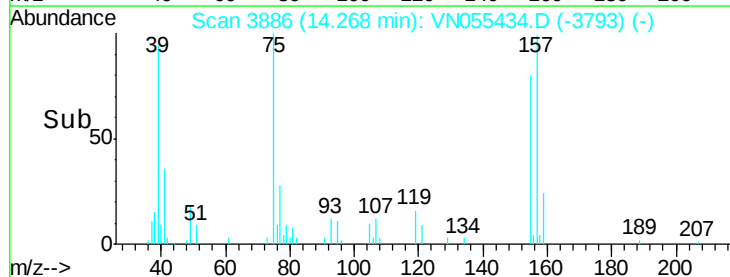
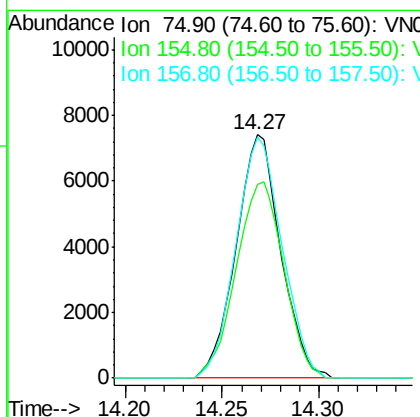
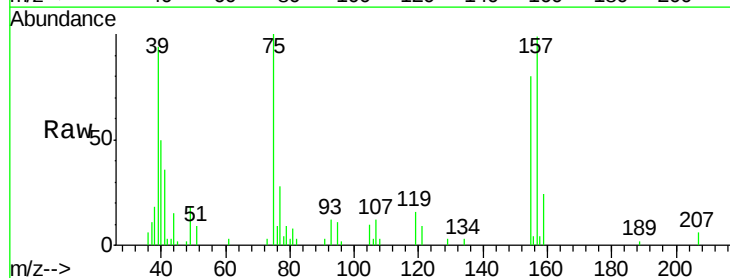
Manual Integrations
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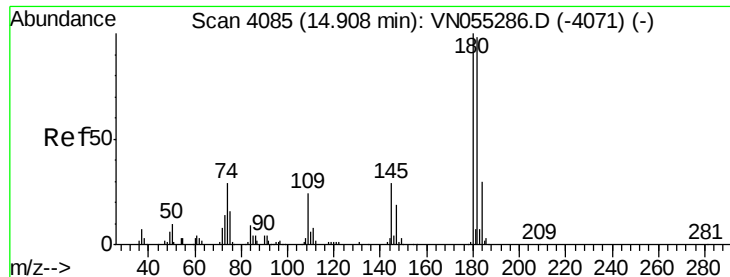
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.815 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.8	41.5	124.6
157	102.0	54.0	162.2





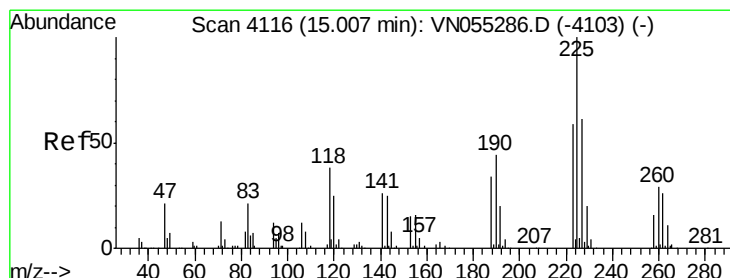
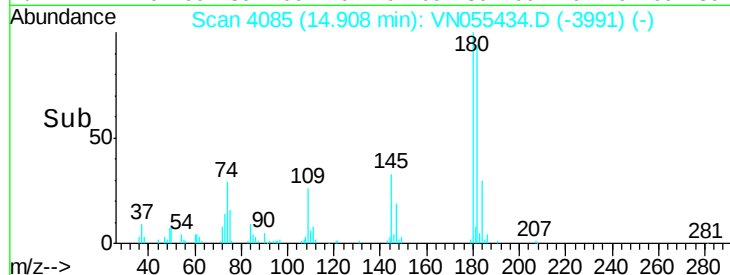
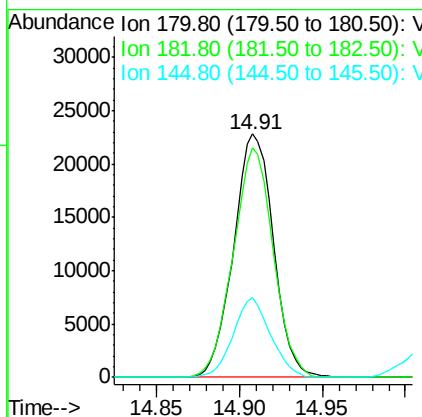
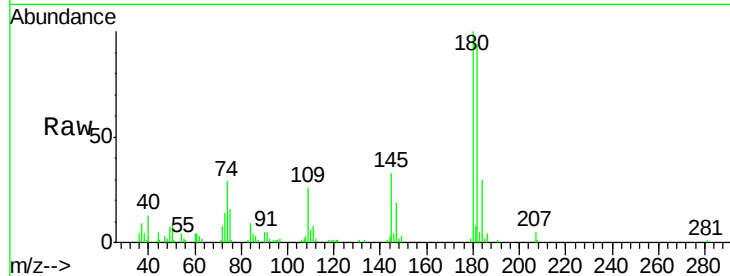
#93
 1,2,4-Trichlorobenzene
 Concen: 18.257 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0507WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	38119		
182	94.4	48.3	144.9	
145	30.6	14.2	42.6	

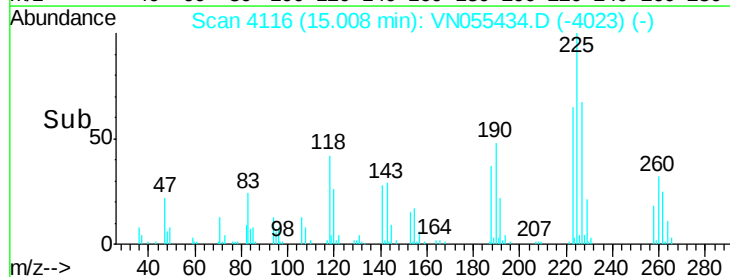
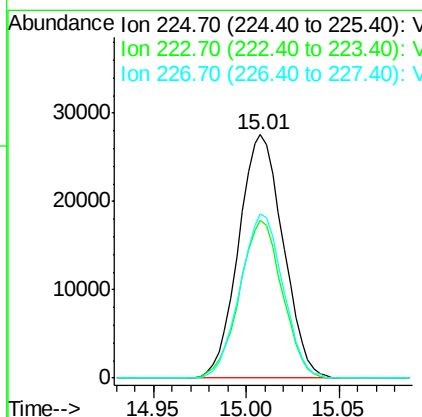
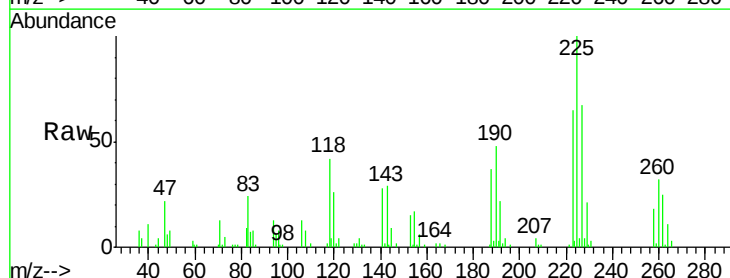
Manual Integrations
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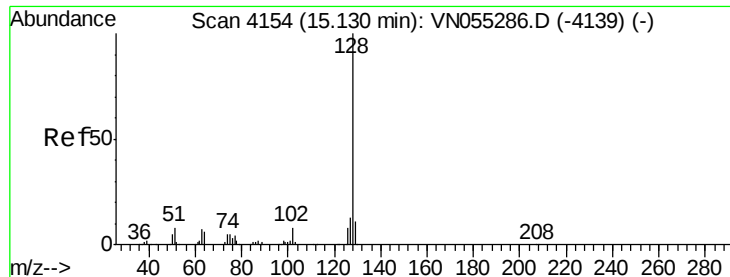
MMDadoda
 5/8/2019 10:21:48 AM



#94
 Hexachlorobutadiene
 Concen: 23.779 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055434.D
 Acq: 7 May 2019 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	45893		
223	62.1	30.3	90.8	
227	65.0	30.9	92.7	





#95

Naphthalene

Concen: 17.109 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Instrument :

MSVOA_N

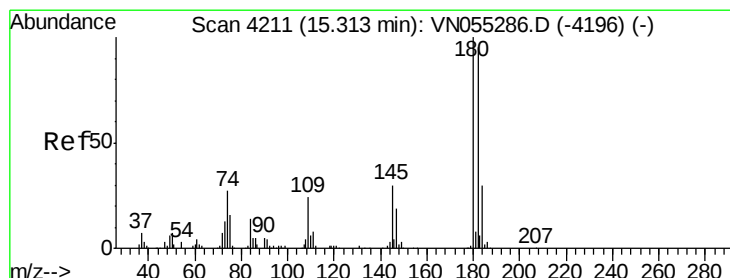
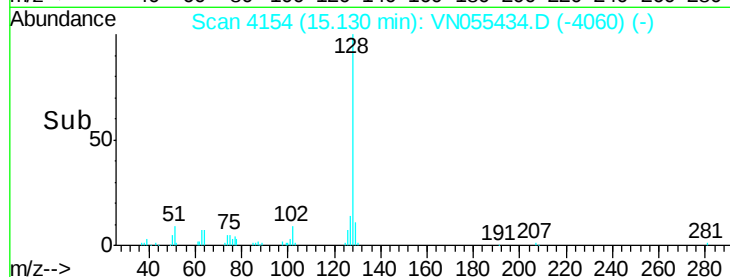
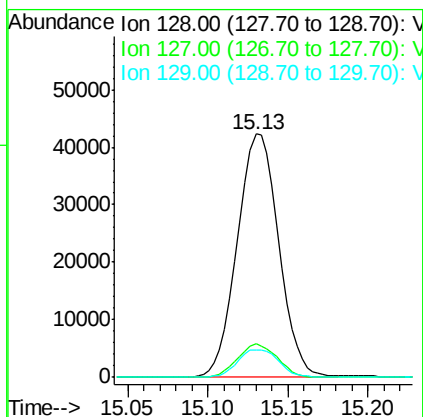
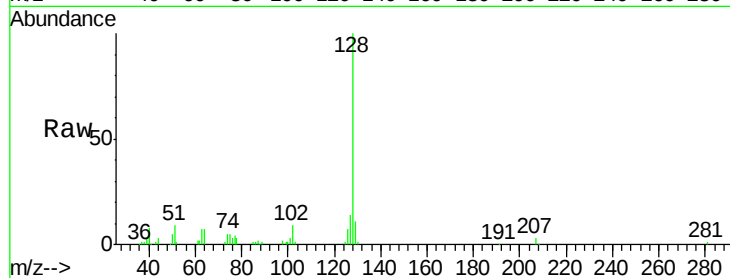
ClientSampled :

VN0507WBS01

Tot Ion:128	Resp:	74747
Ion Ratio	Lower	Upper
128	100	
127	13.1	10.7 16.1
129	11.2	8.6 13.0

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 19.866 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055434.D

Acq: 7 May 2019 13:48

Tgt Ion:180	Resp:	42695
Ion Ratio	Lower	Upper
180	100	
182	95.4	48.3 144.9
145	31.4	15.2 45.6

