

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011819\
 Data File : VN053463.D
 Acq On : 18 Jan 2019 10:54
 Operator : JC/SP
 Sample : VN0118WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Manual Integrations
 APPROVED

MMDadoda
 1/21/2019 10:46:34 AM

Quant Time: Jan 19 00:13:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	128106	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	707524	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	631189	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	240647	29.57	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.57%
60) 4-Bromofluorobenzene	12.40	95	292686	30.30	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.00%
63) Toluene-d8	10.09	98	860684	30.27	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	122301	14.328	ug/l 98
3) Chloromethane	2.06	50	159363	15.908	ug/l 99
4) Vinyl Chloride	2.19	62	155870	15.811	ug/l 96
5) Bromomethane	2.57	94	105653	16.623	ug/l 97
6) Chloroethane	2.71	64	96080	16.920	ug/l 99
7) Trichlorofluoromethane	3.02	101	216565	17.789	ug/l 100
8) Diethyl Ether	3.41	74	82609	18.264	ug/l 93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	136939	17.903	ug/l 95
10) 1,1-Dichloroethene	3.74	96	129810	17.391	ug/l 94
11) Methyl Iodide	3.96	142	192198	17.582	ug/l 100
12) Methyl Acetate	4.33	43	126107	21.676	ug/l 98
13) Acrolein	3.61	56	64976	93.542	ug/l 96
14) Acrylonitrile	4.99	53	263474	101.229	ug/l 98
15) Acetone	3.82	58	67354	121.763	ug/l 97
16) Carbon Disulfide	4.06	76	370419	16.131	ug/l 100
17) Allyl chloride	4.33	41	194598	16.572	ug/l 97
18) Methylene Chloride	4.55	84	151548	17.740	ug/l 95
19) trans-1,2-Dichloroethene	5.05	96	137721	17.458	ug/l 93
20) Diisopropyl ether	5.95	45	451615	17.958	ug/l 98
21) 1,1-Dichloroethane	5.85	63	261945	17.890	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	161543	18.179	ug/l 97
23) tert-Butyl Alcohol	4.78	59	44883	102.295	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	362576	18.628	ug/l # 77
25) Chloroform	7.37	83	258119	18.340	ug/l 98
26) Cyclohexane	7.66	56	231406	16.944	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	196167	18.304	ug/l 99
30) 2-Butanone	6.84	43	299980	112.193	ug/l 98
31) 2,2-Dichloropropane	6.82	77	192081	18.513	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	215026	19.149	ug/l 97
33) Carbon Tetrachloride	7.78	117	186856	19.011	ug/l 98
34) Benzene	8.04	78	611091	18.973	ug/l 99
35) Methacrylonitrile	7.18	41	71650	20.767	ug/l 94
36) 1,2-Dichloroethane	8.13	62	184697	19.753	ug/l 98
37) Trichloroethene	8.84	130	165699	18.991	ug/l 95
38) Methylcyclohexane	9.08	83	232098	18.516	ug/l 97
39) 1,2-Dichloropropane	9.12	63	160734	19.111	ug/l 98
40) Dibromomethane	9.21	93	95731	20.127	ug/l 95

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Manual Integrations
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Quant Time: Jan 19 00:13:02 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N122818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Dec 28 10:33:50 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	195819	19.171	ug/l	98
42) Vinyl Acetate	5.90	43	1446299	99.148	ug/l	97
43) Ethyl Acetate	6.93	43	132438	22.180	ug/l #	70
44) Isopropyl Acetate	8.17	43	236609	21.272	ug/l #	81
45) 1,4-Dioxane	9.20	88	25330	372.402	ug/l	91
46) Methyl methacrylate	9.20	41	111967	19.926	ug/l	94
47) n-amyl Acetate	12.07	43	200553	20.531	ug/l	100
48) t-1,3-Dichloropropene	10.38	75	197270	18.922	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	229350	18.683	ug/l	95
50) 1,1,2-Trichloroethane	10.56	97	140218	20.560	ug/l	99
51) Ethyl methacrylate	10.43	69	177026	19.917	ug/l	91
52) 1,3-Dichloropropane	10.71	76	237744	20.237	ug/l	99
53) Dibromochloromethane	10.90	129	154148	20.125	ug/l	99
54) 1,2-Dibromoethane	11.01	107	139688	20.304	ug/l	96
55) 2-Chloroethyl vinyl ether	9.70	63	514269	100.819	ug/l	98
56) Bromoform	12.13	173	106902	20.402	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	663969	110.393	ug/l	97
59) 2-Hexanone	10.75	43	460790	110.974	ug/l	97
61) Tetrachloroethene	10.63	164	182689	19.586	ug/l	98
62) Toluene	10.16	91	652967	18.863	ug/l	99
64) Chlorobenzene	11.43	112	415369	19.122	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	145907	19.148	ug/l	99
66) Ethyl Benzene	11.51	91	699030	18.621	ug/l	97
67) m/p-Xylenes	11.62	106	542667	38.223	ug/l	96
68) o-Xylene	11.95	106	262373	19.071	ug/l	98
69) Styrene	11.96	104	431243	19.203	ug/l	98
70) Isopropylbenzene	12.25	105	693418	19.156	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	164938	21.646	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	132162m	19.806	ug/l	
73) Bromobenzene	12.53	156	183543	19.726	ug/l	93
74) n-propylbenzene	12.59	91	800311	19.531	ug/l	98
75) 2-Chlorotoluene	12.67	91	475795	19.606	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	569149	19.821	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	45329	19.334	ug/l	98
78) 4-Chlorotoluene	12.77	91	476693	19.297	ug/l	98
79) tert-butylbenzene	12.99	119	498132	19.892	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	583760	20.284	ug/l	100
81) sec-Butylbenzene	13.17	105	684818	20.651	ug/l	99
82) p-Isopropyltoluene	13.29	119	591352	20.637	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	322501	20.356	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	314264	20.350	ug/l	98
85) n-Butylbenzene	13.62	91	485203	20.822	ug/l	99
86) Hexachloroethane	13.88	117	91245	19.944	ug/l	92
87) 1,2-Dichlorobenzene	13.65	146	315292	21.418	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24036	22.057	ug/l	98
89) 1,2,4-Trichlorobenzene	14.91	180	134870	18.876	ug/l	98
90) Hexachlorobutadiene	15.01	225	99542	23.016	ug/l	98
91) Naphthalene	15.13	128	236222	15.582	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	101524	15.926	ug/l	98

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Instrument :
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ClientSampleId :
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

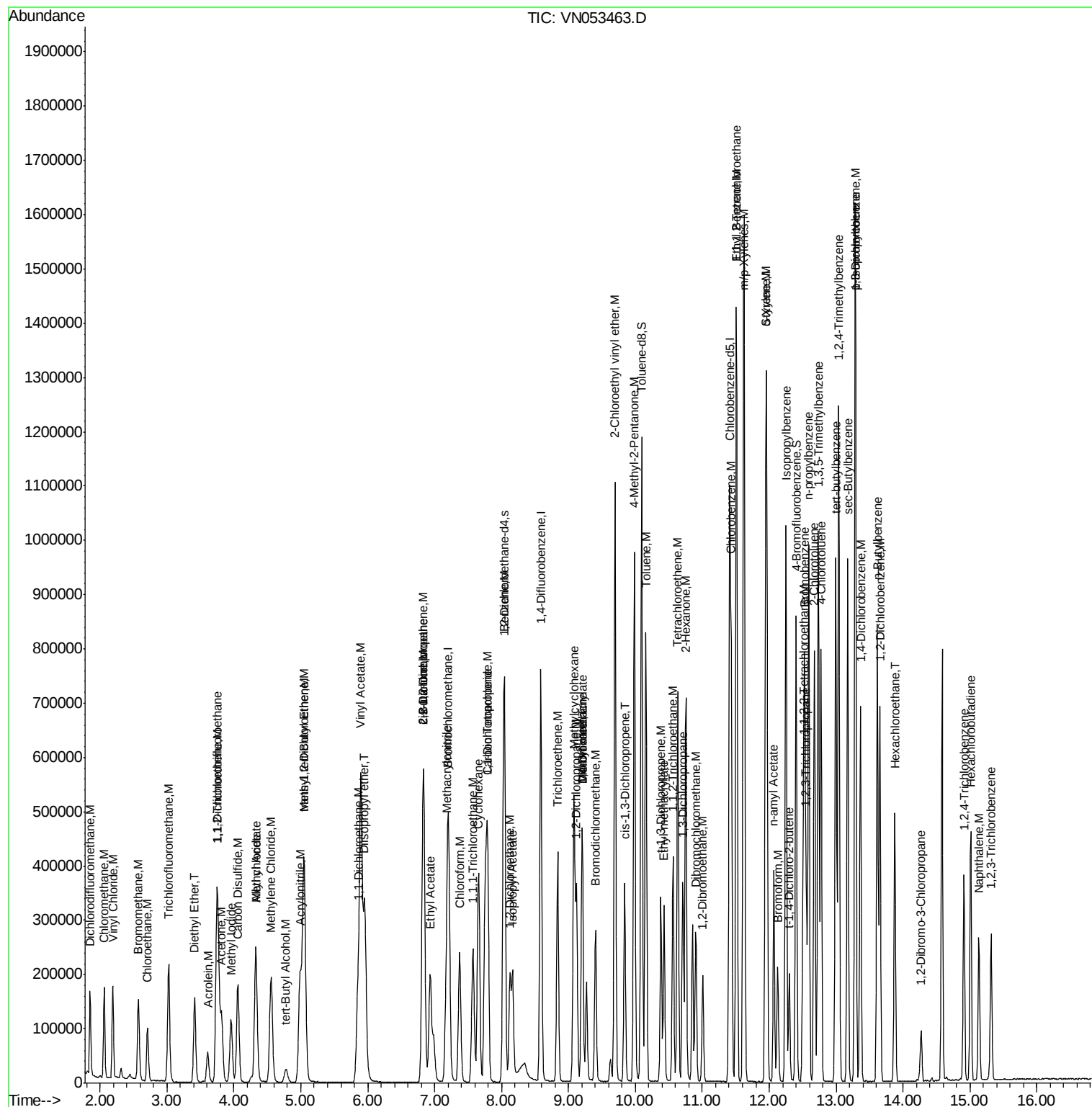
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Data File : VN053463.D
Acq On : 18 Jan 2019 10:54
Operator : JC/SP
Sample : VN0118WBS01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 6 Sample Multiplier: 28

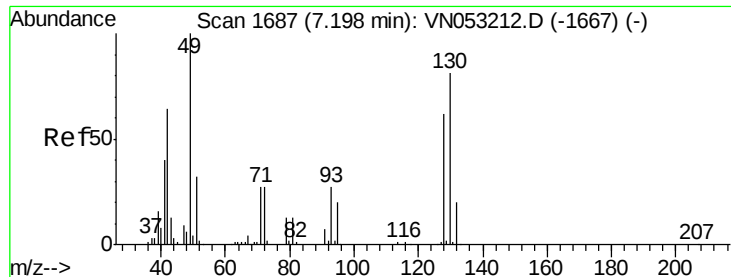
Instrument :
MSVOA_N
ClientSampleId :
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Manual Integrations
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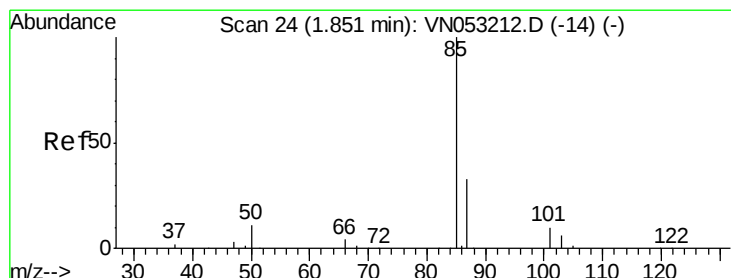
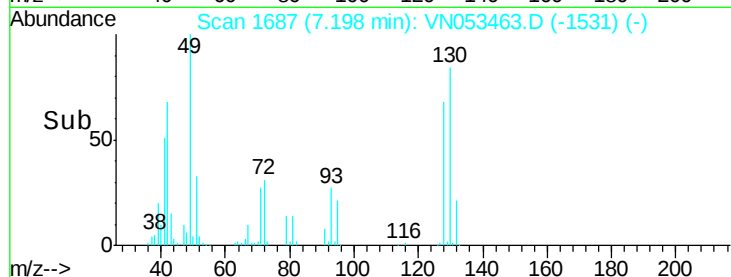
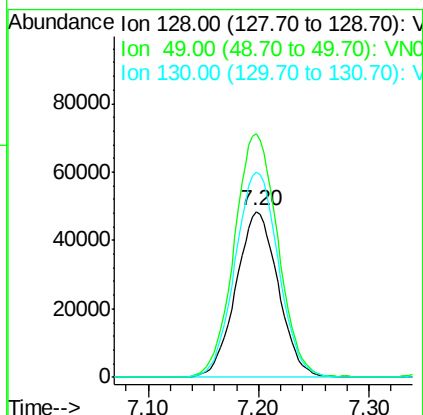
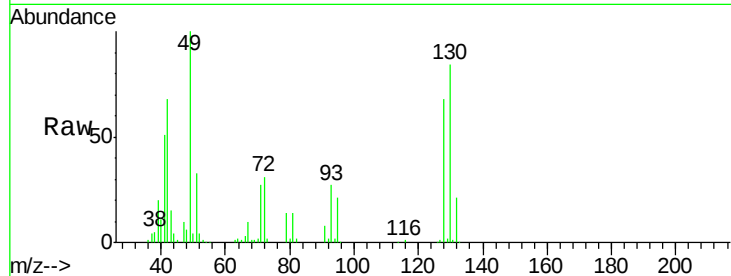
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
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ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	151.8	0.0	431.8
130	127.7	0.0	317.0

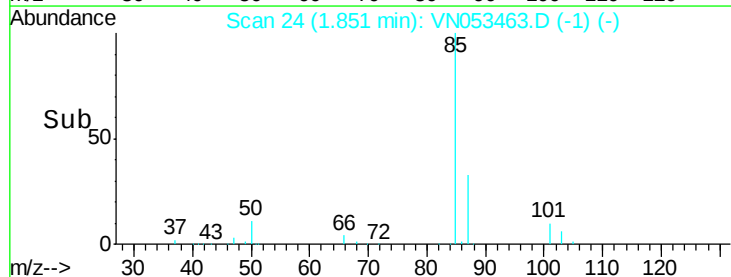
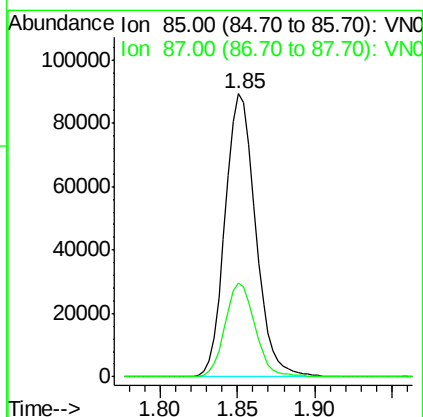
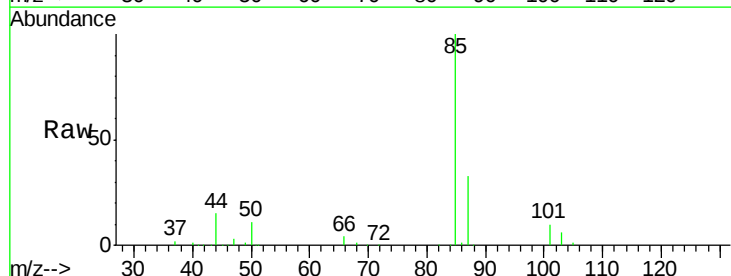
Manual Integrations
APPROVED

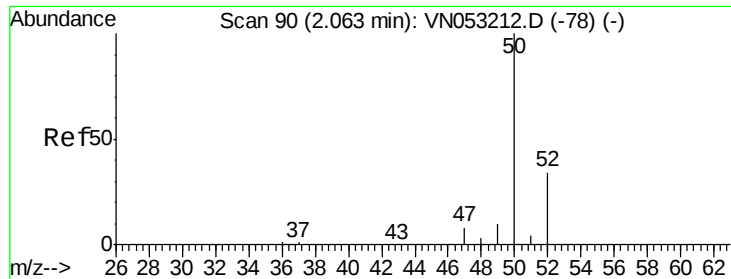
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1/21/2019 10:46:34 AM



#2
Dichlorodifluoromethane
Concen: 14.328 ug/l
RT: 1.85 min Scan# 24
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.3	16.1	48.3





#3

Chloromethane

Concen: 15.908 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion: 50 Resp: 159363

Ion Ratio Lower Upper

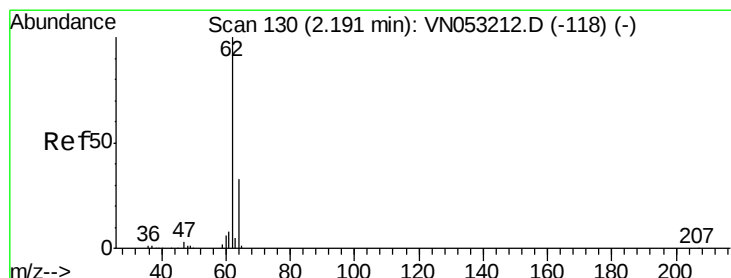
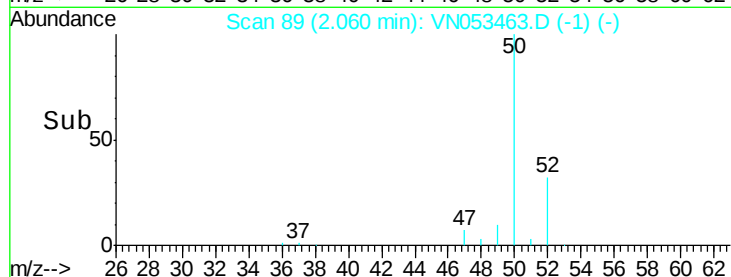
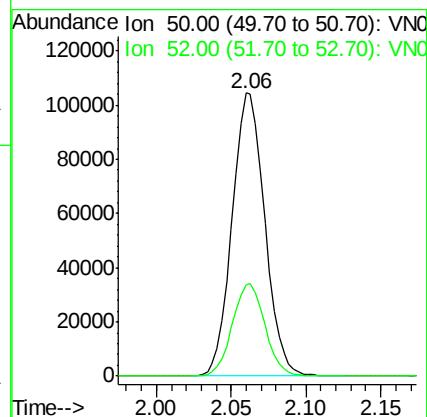
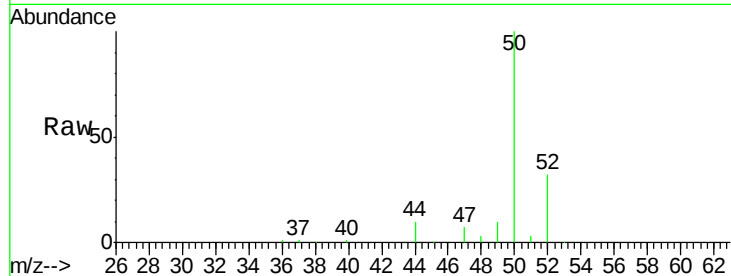
50 100

52 32.3 26.5 39.7

Manual Integrations
APPROVED

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#4

Vinyl Chloride

Concen: 15.811 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN053463.D

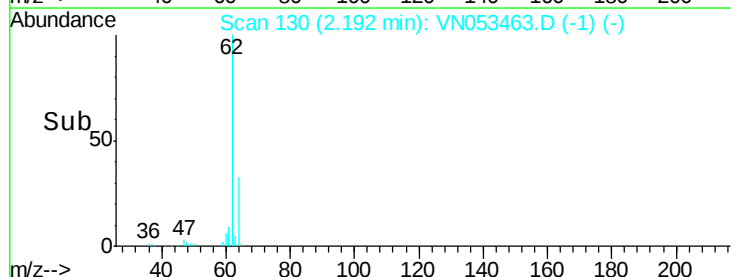
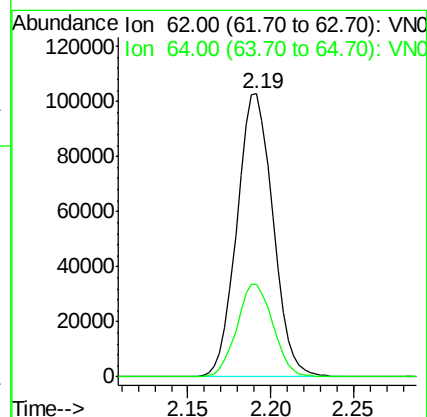
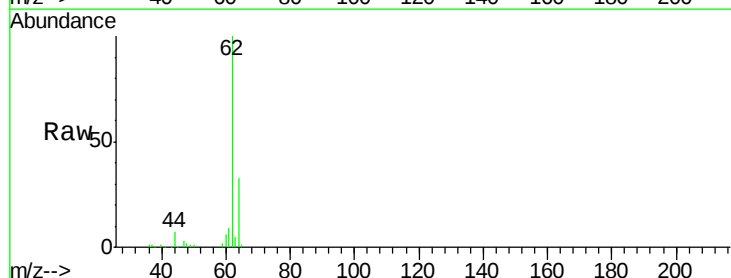
Acq: 18 Jan 2019 10:54

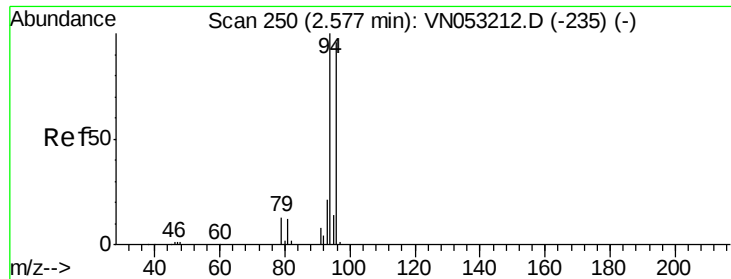
Tgt Ion: 62 Resp: 155870

Ion Ratio Lower Upper

62 100

64 32.7 24.2 36.4





#5

Bromomethane

Concen: 16.623 ug/l

RT: 2.57 min Scan# 248

Delta R.T. -0.01 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion: 94 Resp: 105653

Ion Ratio Lower Upper

94 100

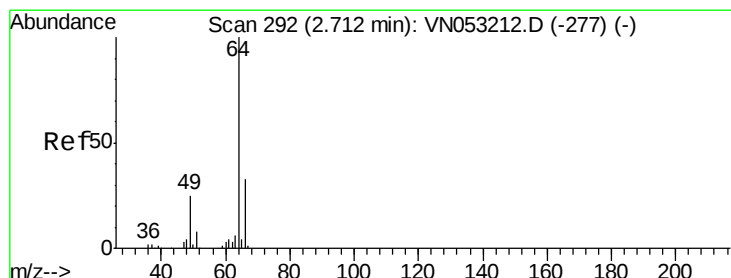
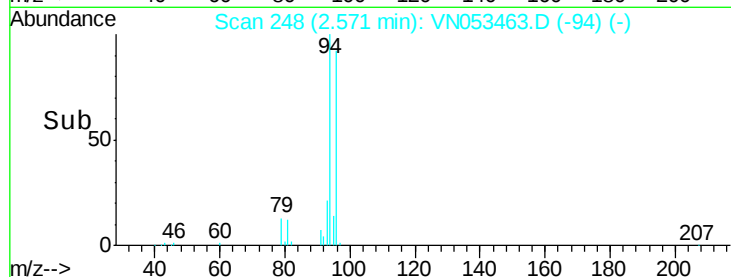
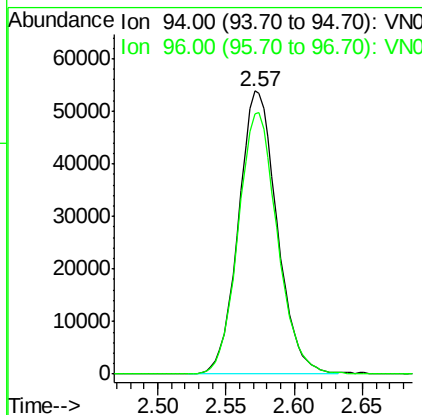
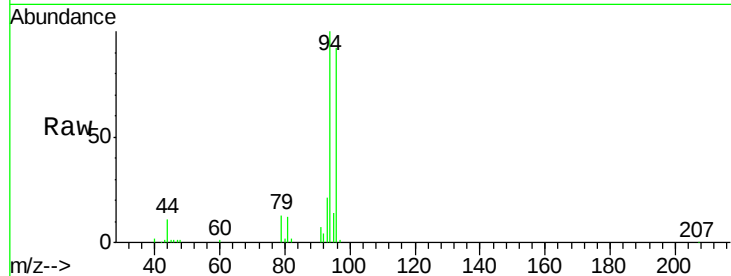
96 92.0 76.2 114.2

Manual Integrations

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#6

Chloroethane

Concen: 16.920 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN053463.D

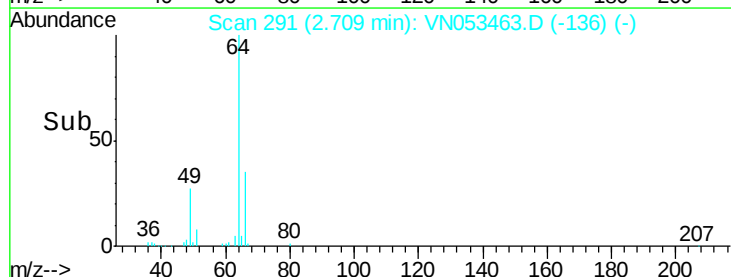
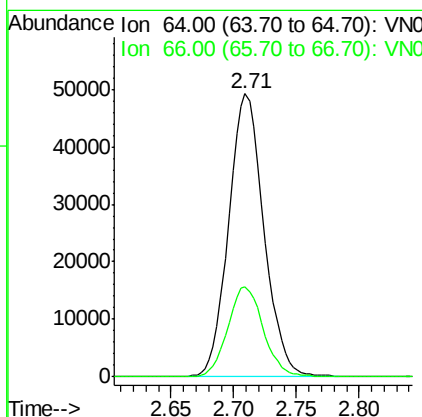
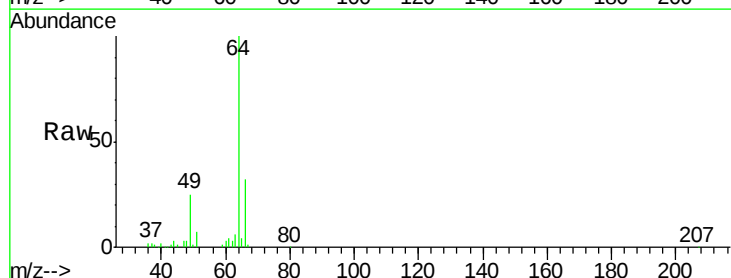
Acq: 18 Jan 2019 10:54

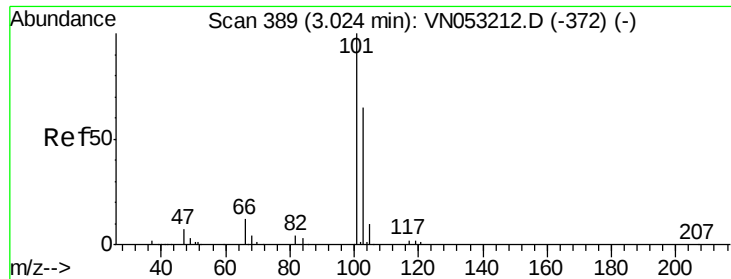
Tgt Ion: 64 Resp: 96080

Ion Ratio Lower Upper

64 100

66 31.7 25.6 38.4





#7

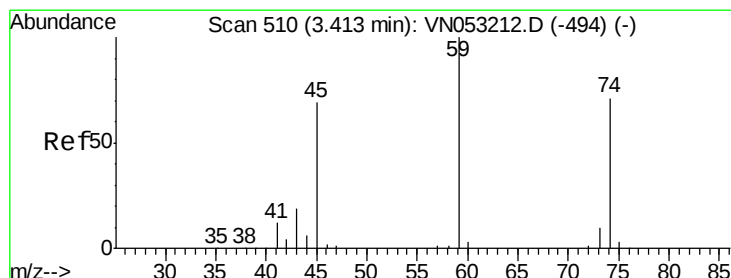
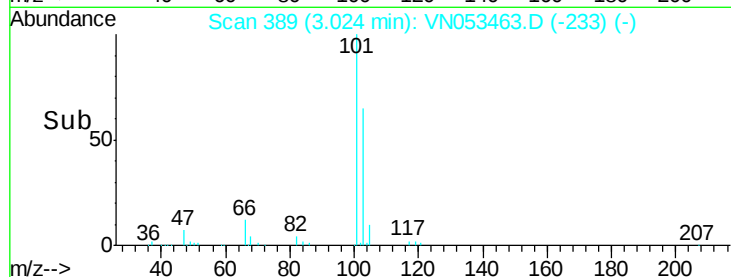
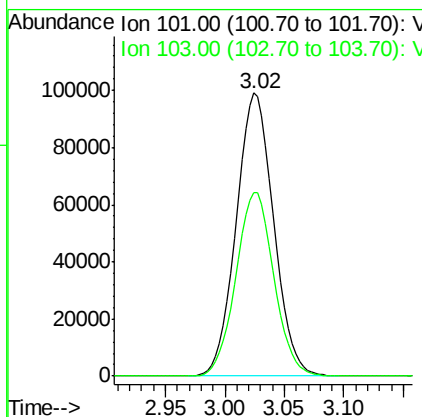
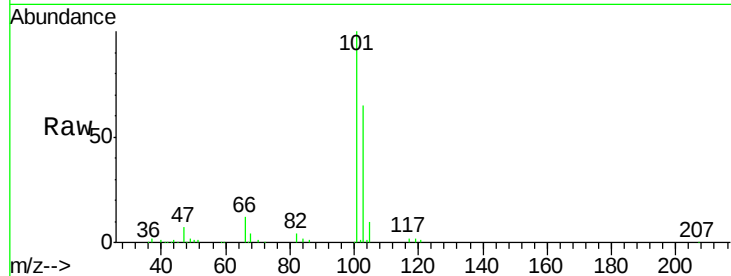
Trichlorofluoromethane
Concen: 17.789 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.0	52.1	78.1

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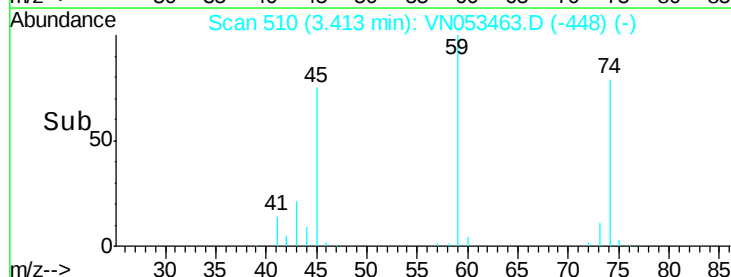
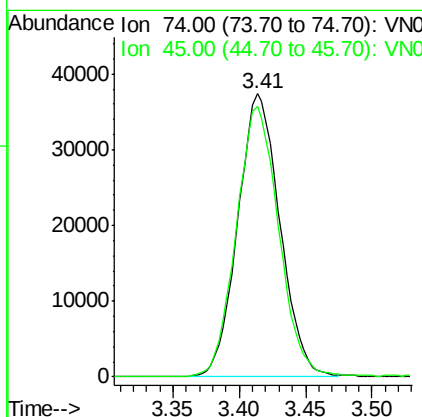
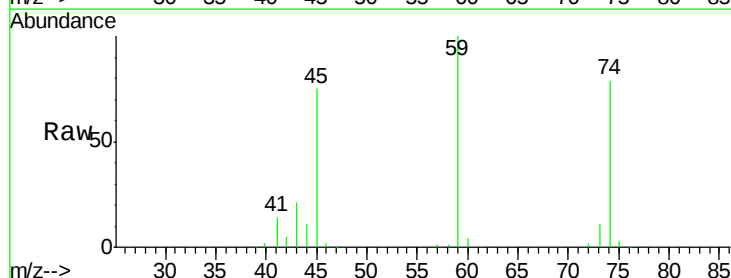
MMDadoda
1/21/2019 10:46:34 AM

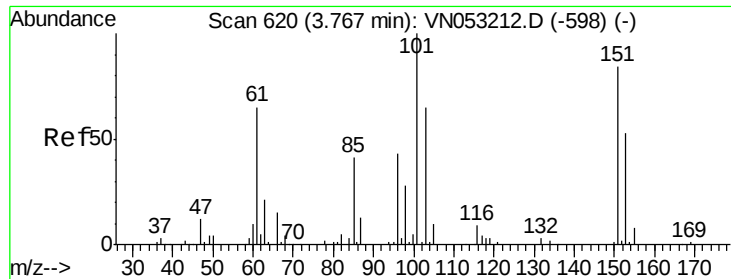


#8

Diethyl Ether
Concen: 18.264 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.5	20.6	185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.903 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

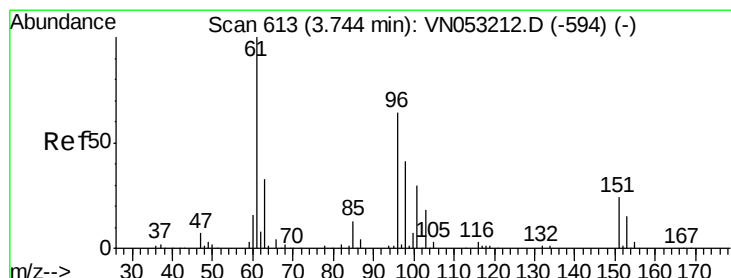
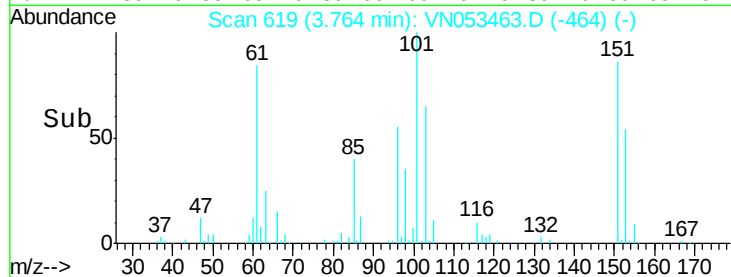
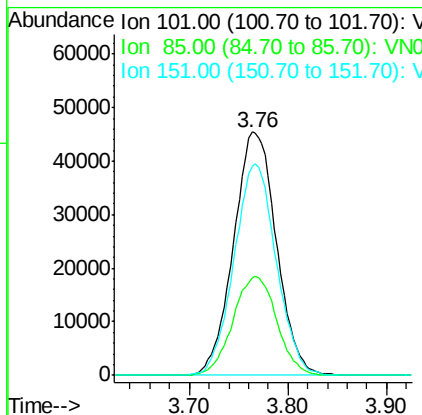
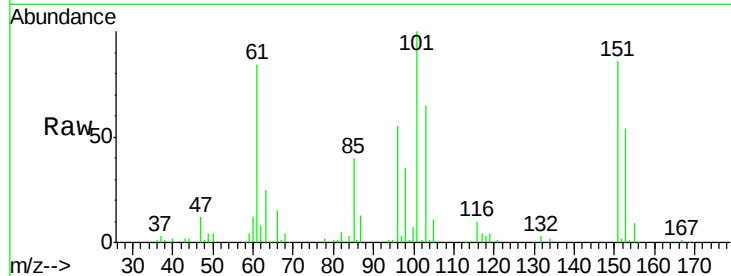
ClientSampleId :

VN0118WBS01

Tot Ion:	101	Resp:	136939
Ion Ratio	Lower	Upper	
101	100		
85	41.4	0.0	82.6
151	85.6	0.0	158.4

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#10

1,1-Dichloroethene

Concen: 17.391 ug/l

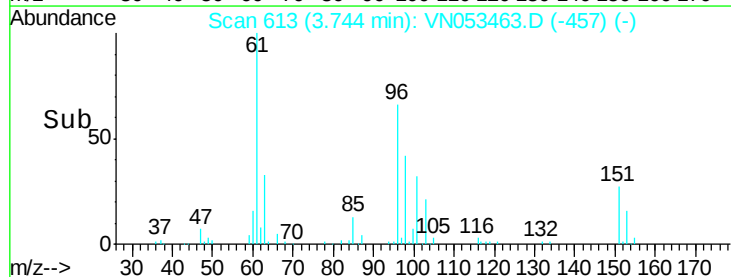
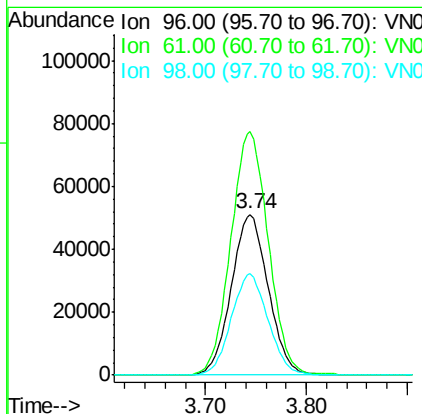
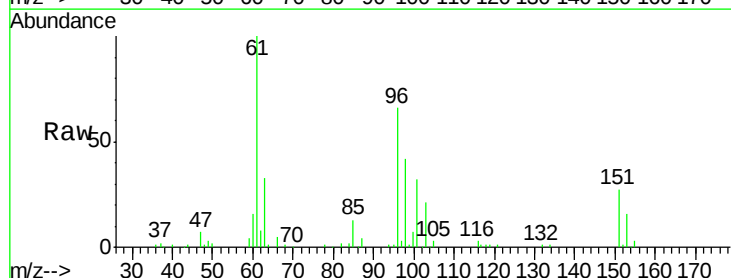
RT: 3.74 min Scan# 613

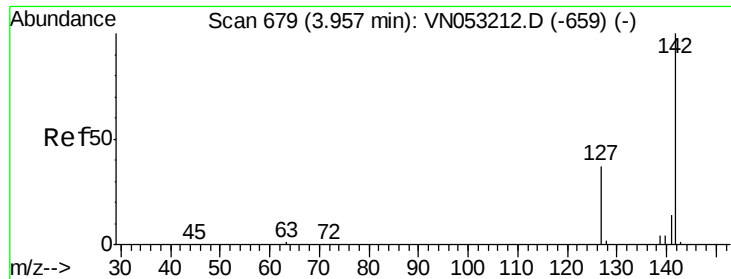
Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion:	96	Resp:	129810
Ion Ratio	Lower	Upper	
96	100		
61	151.7	129.4	194.2
98	63.5	50.4	75.6





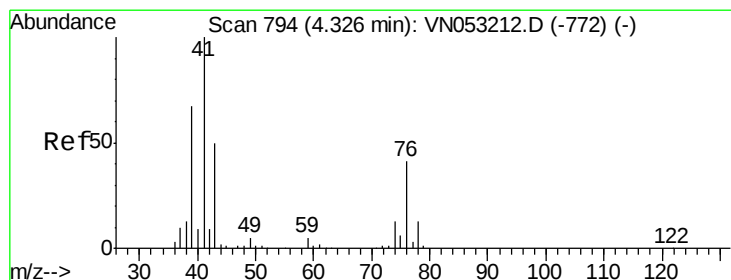
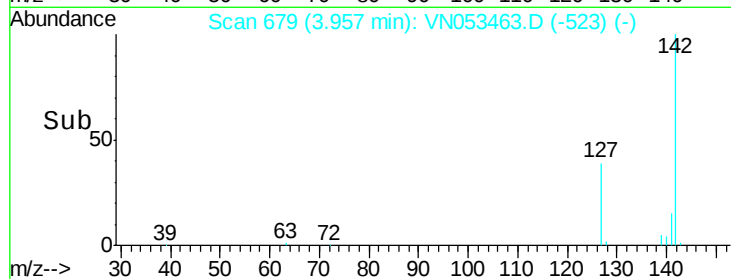
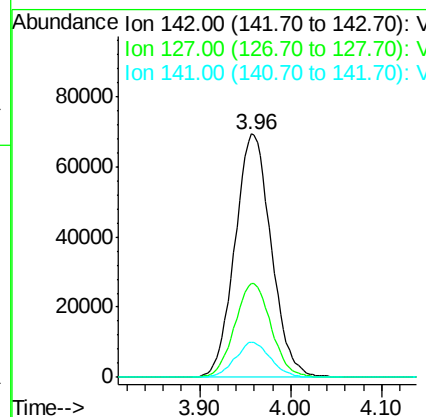
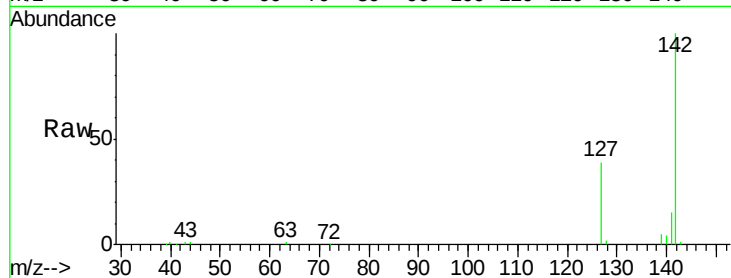
#11
Methvl Iodide
Concen: 17.582 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	38.7	19.4	58.1
141	14.6	7.2	21.6

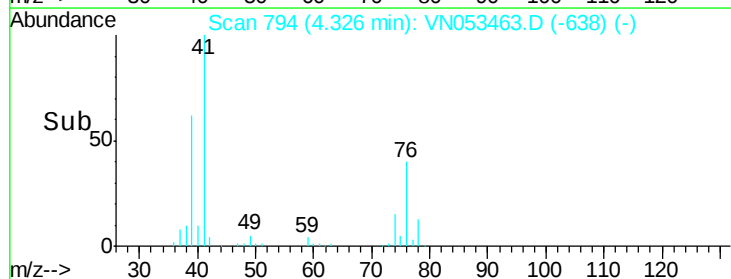
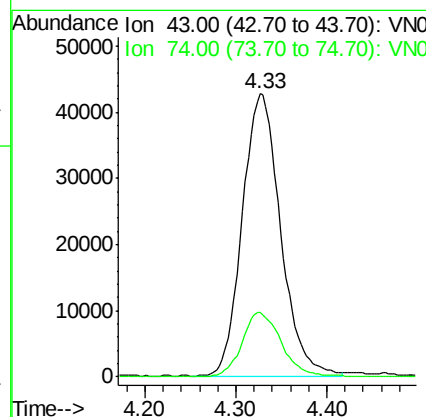
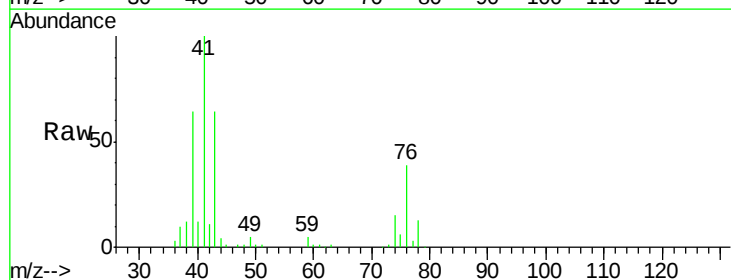
Manual Integrations
APPROVED

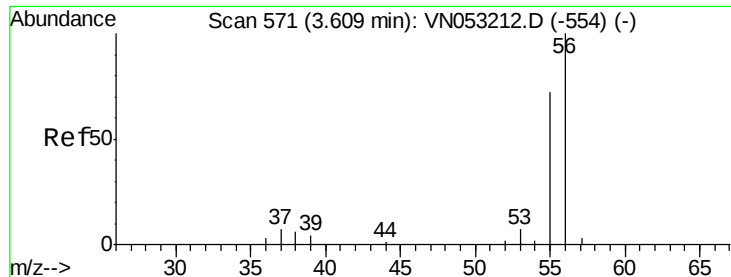
MMDadoda
1/21/2019 10:46:34 AM



#12
Methyl Acetate
Concen: 21.676 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.7	18.9	28.3





#13

Acrolein

Concen: 93.542 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion: 56 Resp: 64976

Ion Ratio Lower Upper

56 100

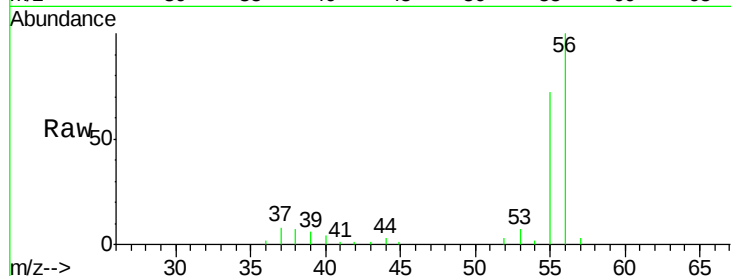
55 74.5 56.7 85.1

Manual Integrations

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MMDadoda

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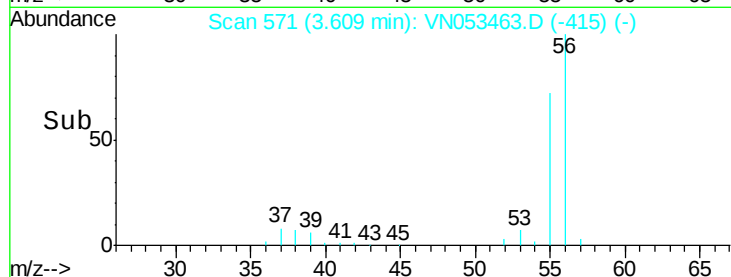


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

Time-->



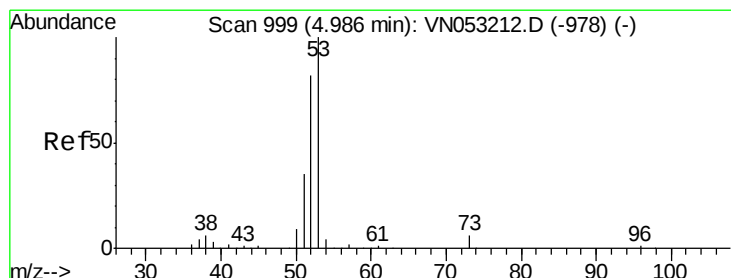
Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

Time-->



#14

Acrylonitrile

Concen: 101.229 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

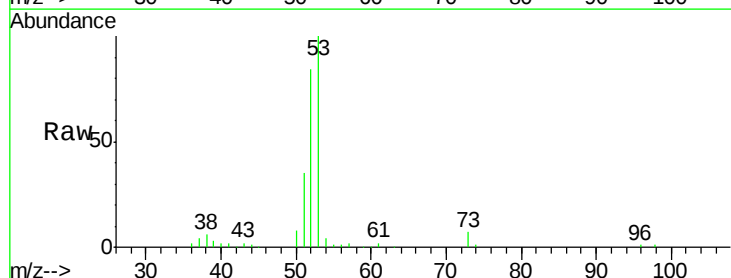
Tgt Ion: 53 Resp: 263474

Ion Ratio Lower Upper

53 100

52 81.1 39.9 119.7

51 34.1 17.6 52.9



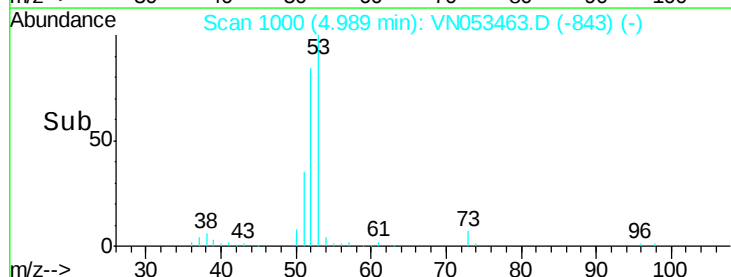
Abundance Ion 53.00 (52.70 to 53.70): VN0

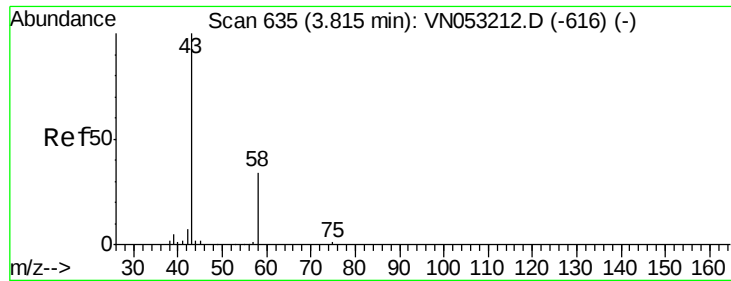
Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

4.99

Time-->





#15

Acetone

Concen: 121.763 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion: 58 Resp: 67354

Ion Ratio Lower Upper

58 100

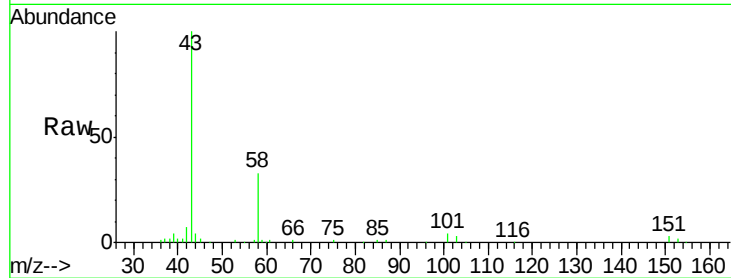
43 298.7 243.6 365.4

Manual Integrations

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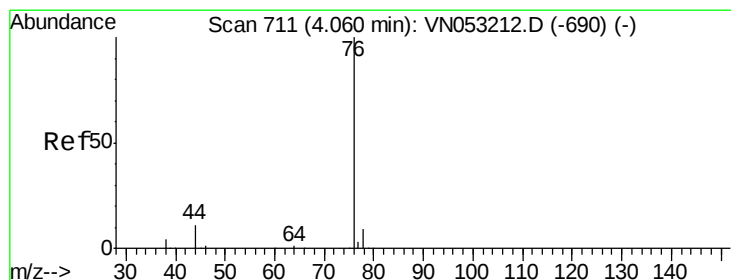
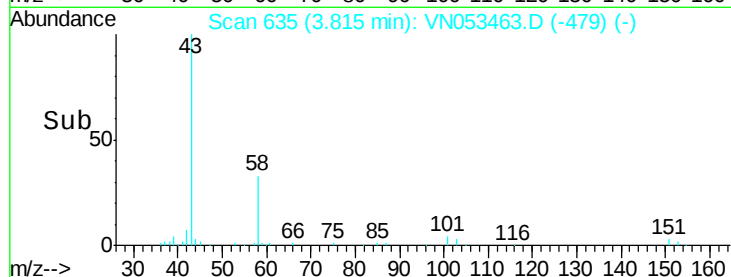
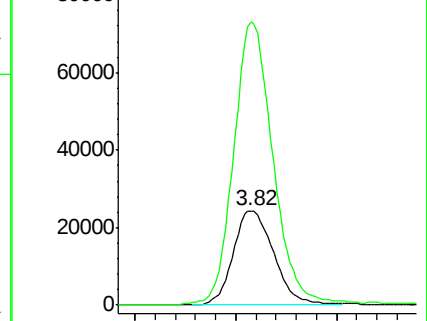
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 16.131 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.00 min

Lab File: VN053463.D

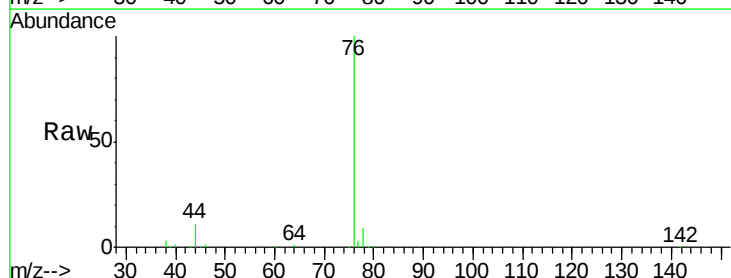
Acq: 18 Jan 2019 10:54

Tgt Ion: 76 Resp: 370419

Ion Ratio Lower Upper

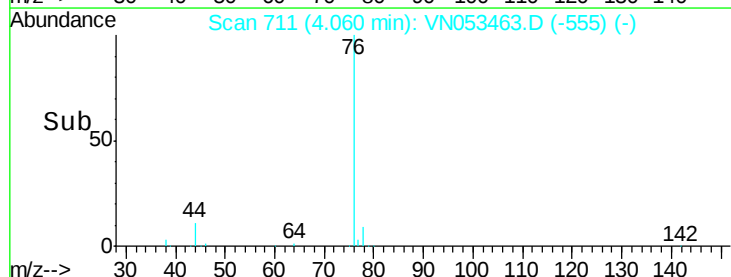
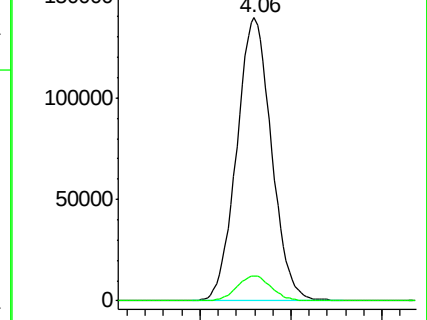
76 100

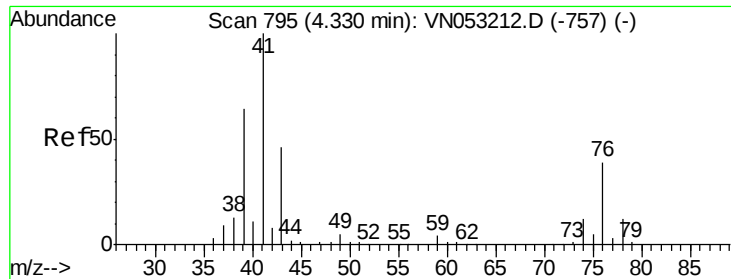
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





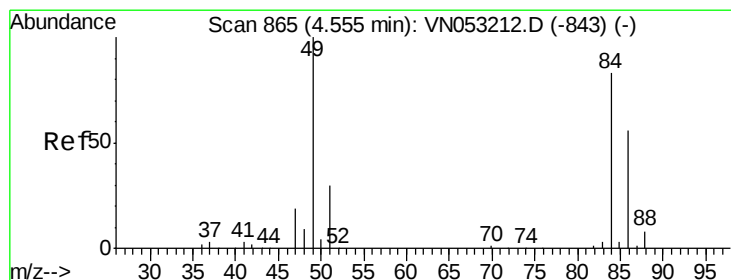
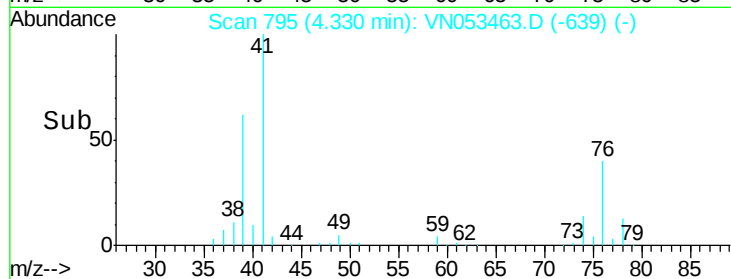
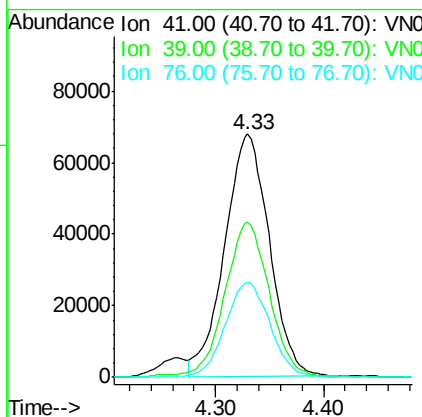
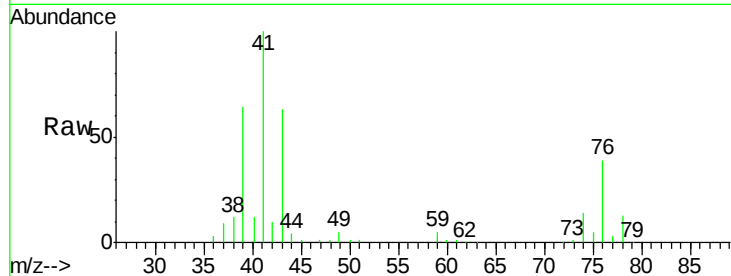
#17
Allvl chloride
Concen: 16.572 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion:	41	Resp:	194598
Ion Ratio		Lower	Upper
41	100		
39	63.9	32.8	98.3
76	39.2	18.6	55.8

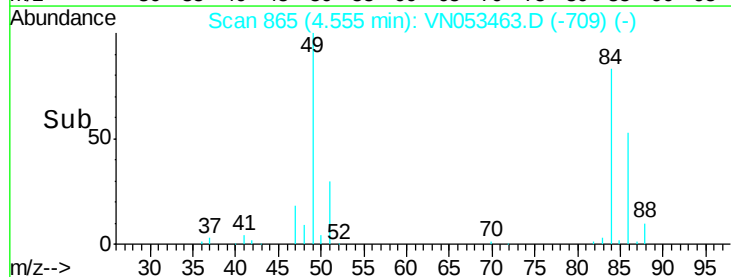
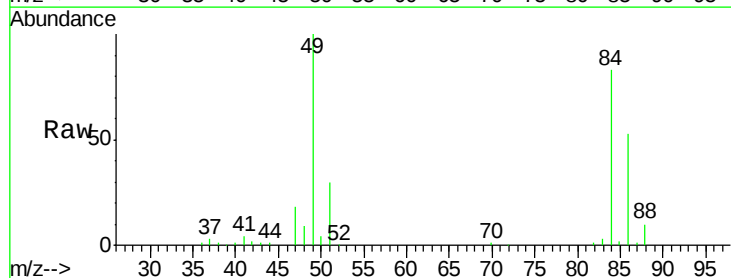
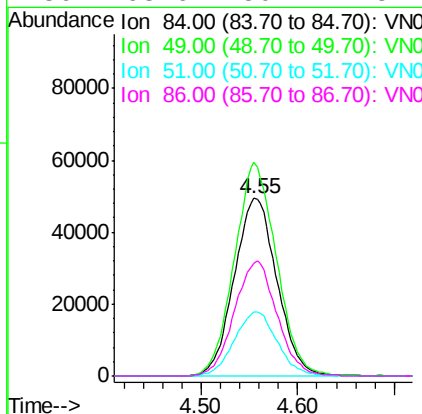
Manual Integrations
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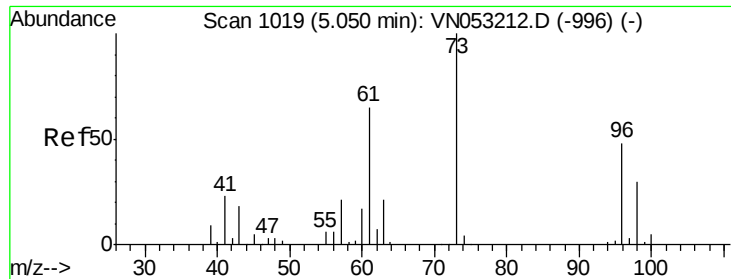
MMDadoda
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#18
Methylene Chloride
Concen: 17.740 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion:	84	Resp:	151548
Ion Ratio		Lower	Upper
84	100		
49	119.7	101.4	152.0
51	35.6	31.7	47.5
86	63.6	50.1	75.1





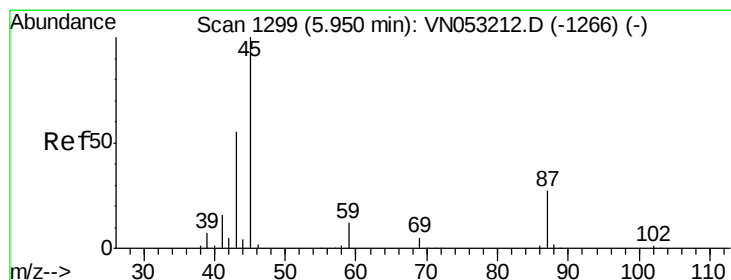
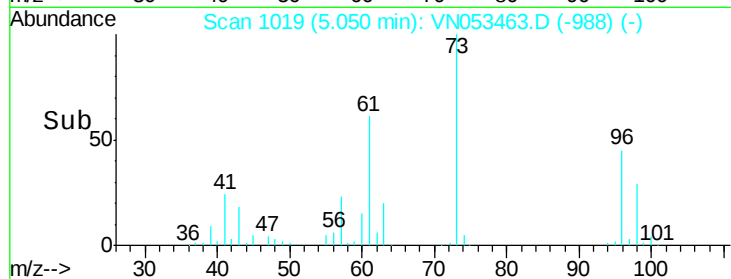
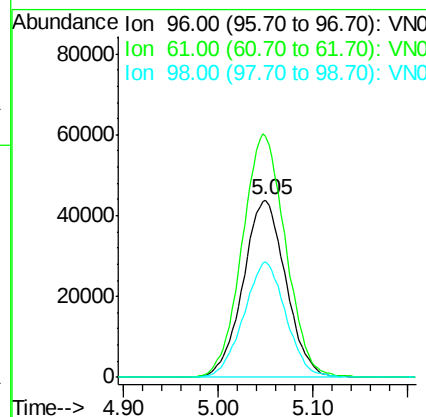
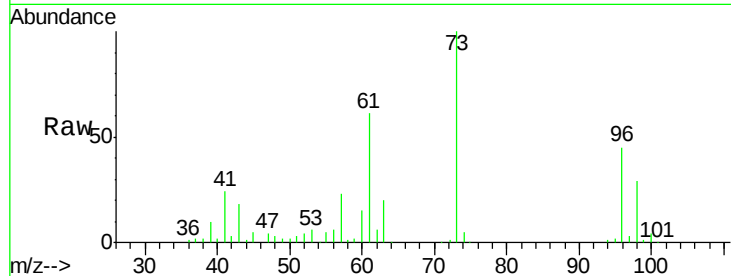
#19
trans-1,2-Dichloroethene
Concen: 17.458 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.0	118.2	177.4
98	65.0	51.4	77.2

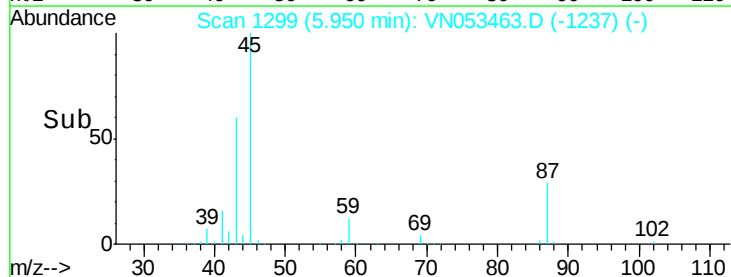
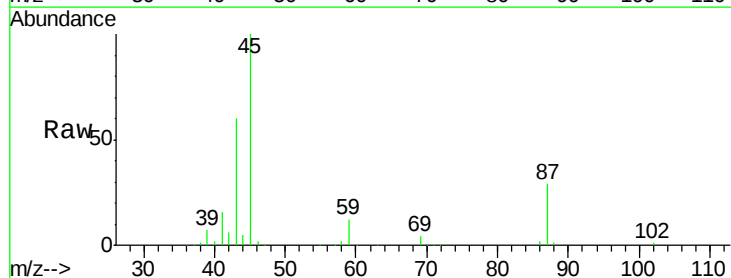
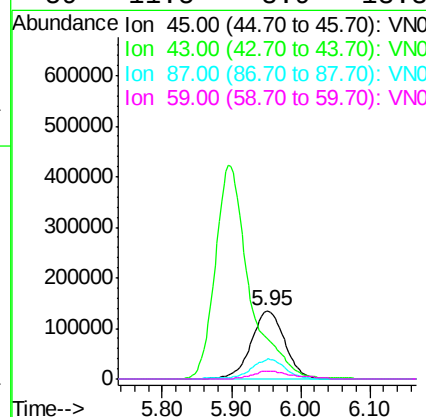
Manual Integrations
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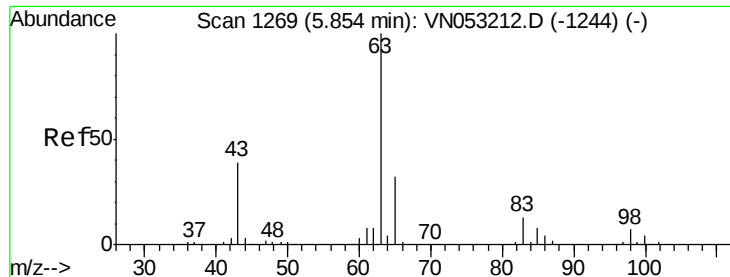
MMDadoda
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#20
Diisopropyl ether
Concen: 17.958 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.4	47.8	71.8
87	28.6	21.3	31.9
59	11.5	8.9	13.3





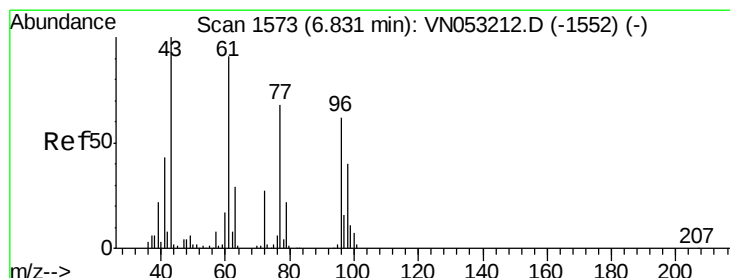
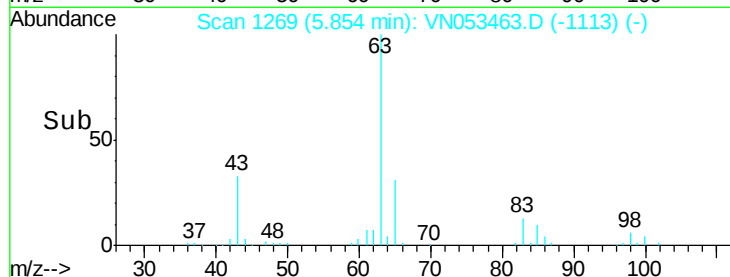
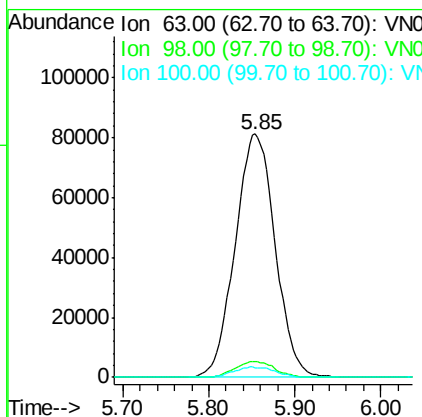
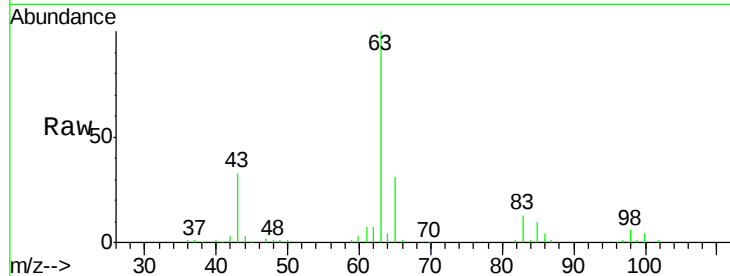
#21
 1,1-Dichloroethane
 Concen: 17.890 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	261945		
98	6.5		3.0	9.2
100	4.0		1.8	5.5

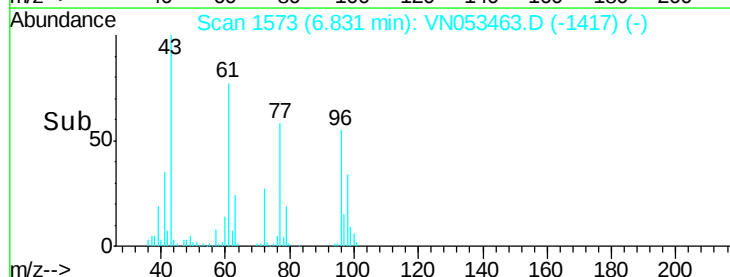
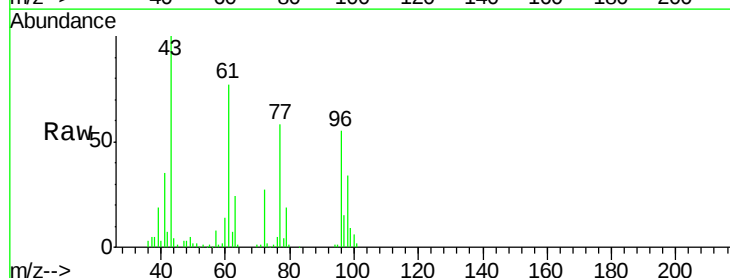
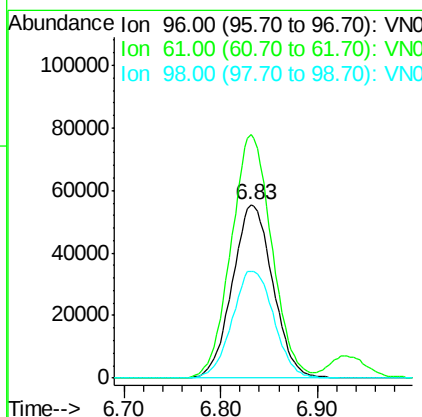
Manual Integrations
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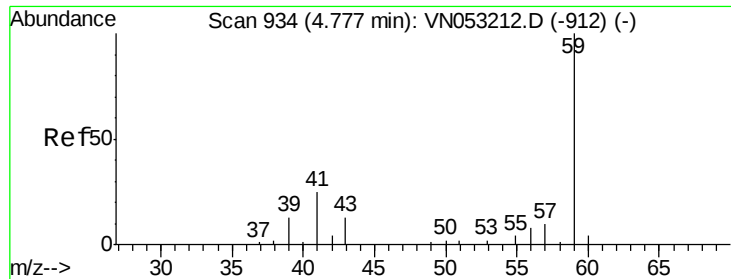
MMDadoda
 1/21/2019 10:46:34 AM



#22
 cis-1,2-Dichloroethene
 Concen: 18.179 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	161543		
61	140.9		116.7	175.1
98	63.5		50.8	76.2





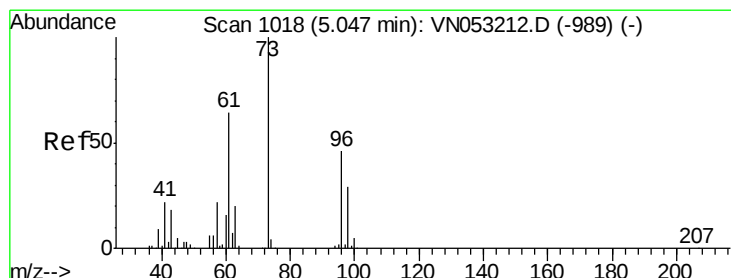
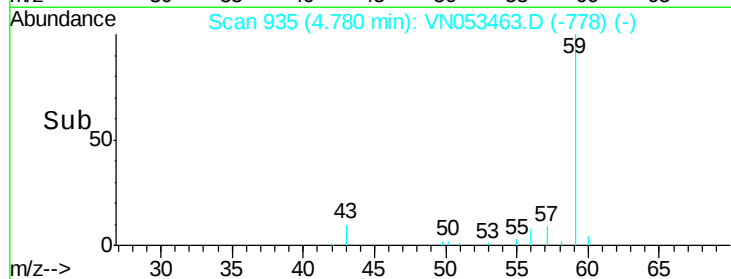
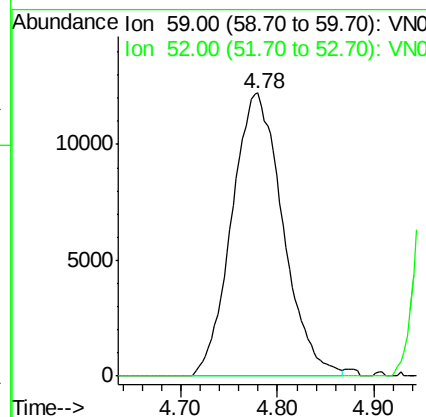
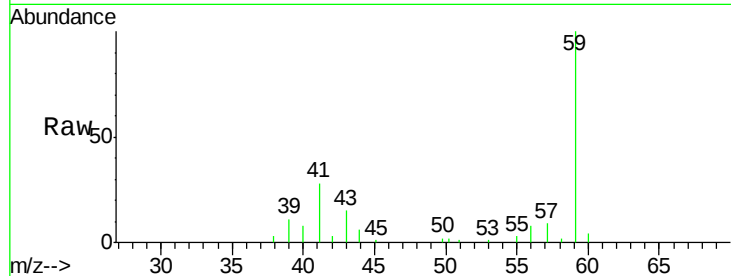
#23
 tert-Butyl Alcohol
 Concen: 102.295 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	100		44883		
52	0.0		0.0	0.0	0.0

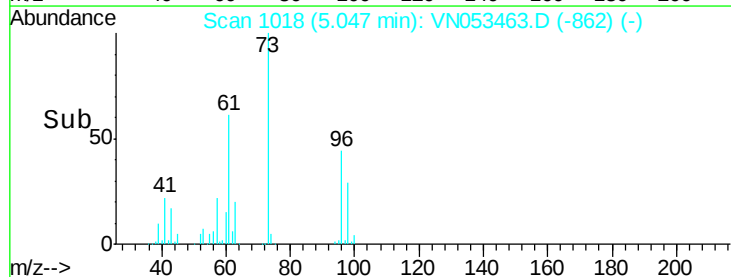
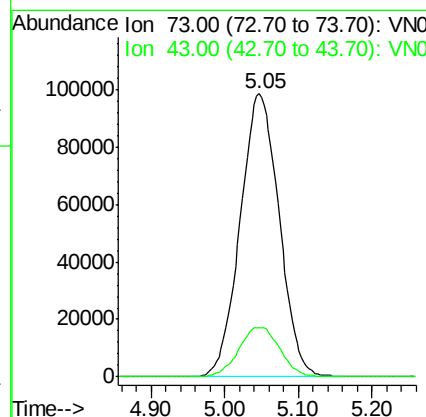
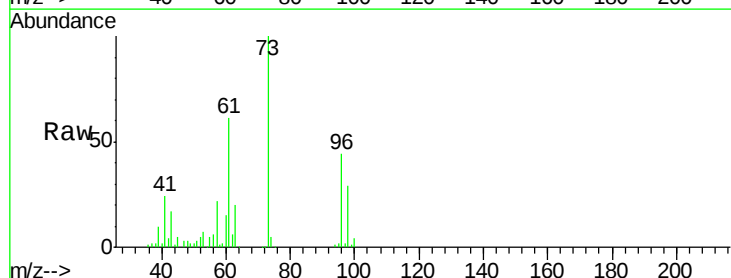
Manual Integrations
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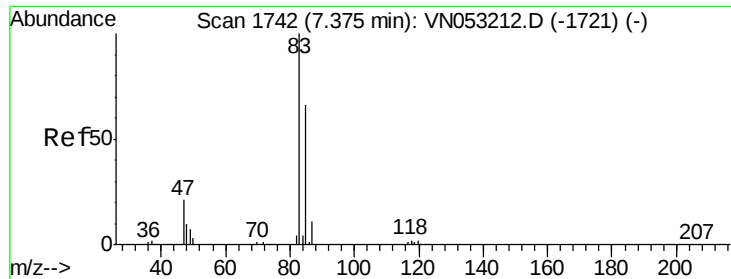
MMDadoda
 1/21/2019 10:46:34 AM



#24
 Methyl tert-Butyl Ether
 Concen: 18.628 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
73	100		362576		
43	9.3		15.8	23.8	#





#25

Chloroform

Concen: 18.340 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion: 83 Resp: 258119

Ion Ratio Lower Upper

83 100

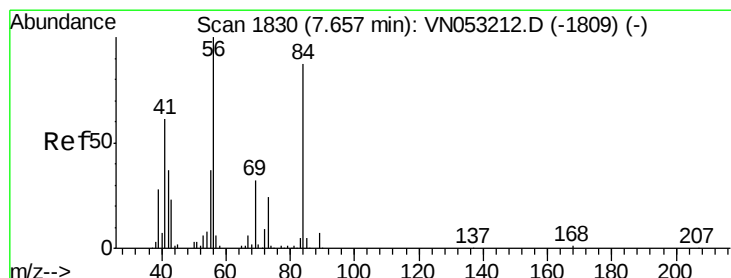
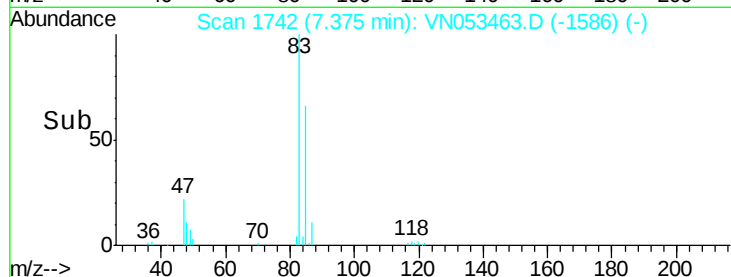
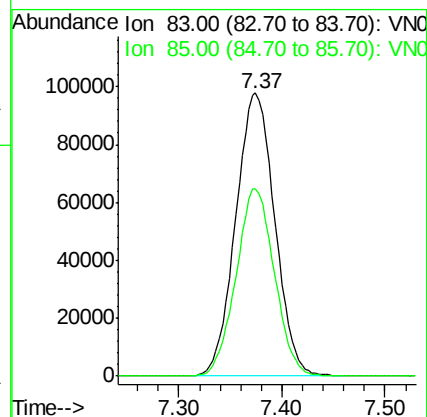
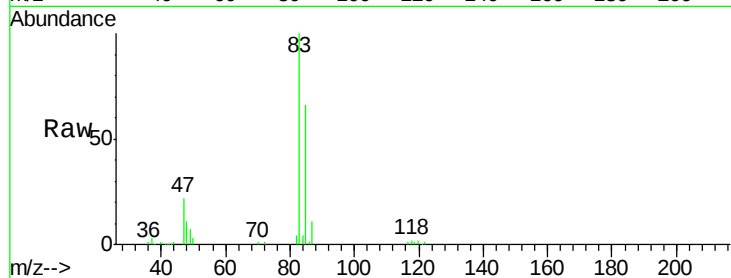
85 66.2 51.7 77.5

Manual Integrations

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#26

Cyclohexane

Concen: 16.944 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

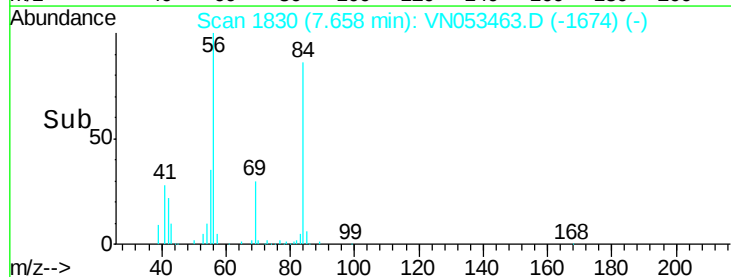
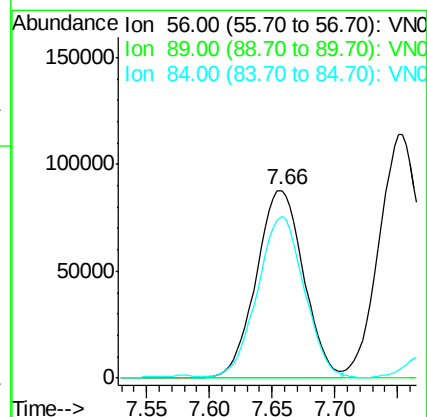
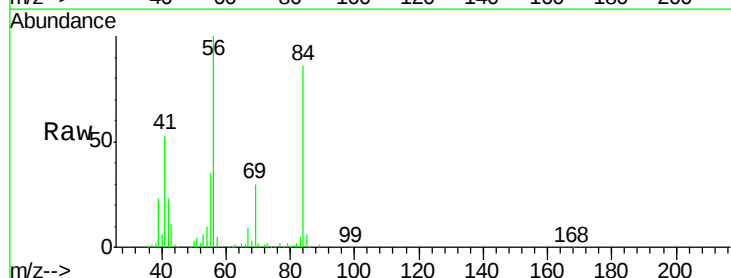
Tgt Ion: 56 Resp: 231406

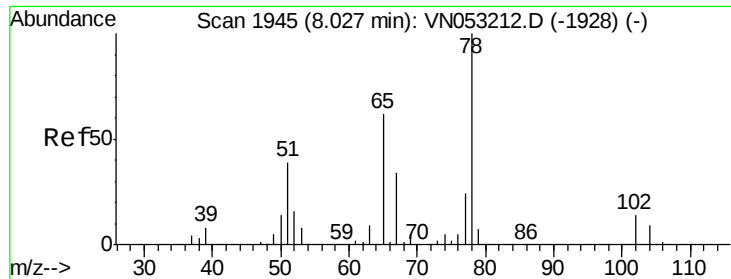
Ion Ratio Lower Upper

56 100

89 0.2 0.5 0.7#

84 85.3 66.2 99.2





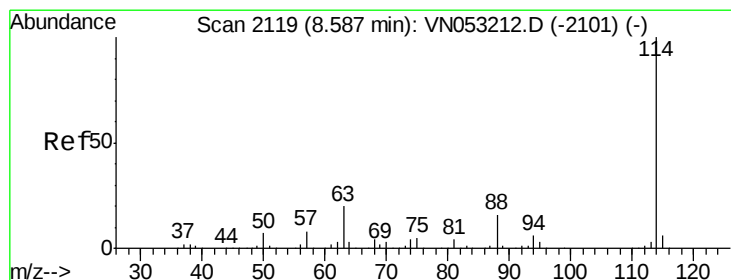
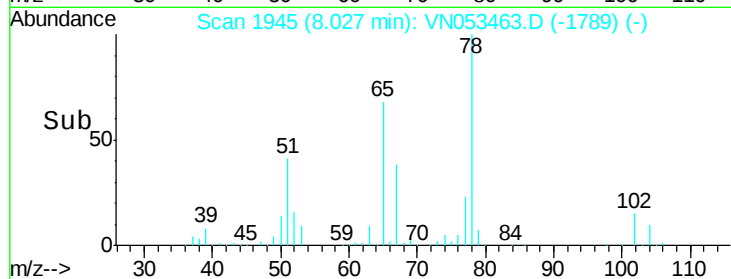
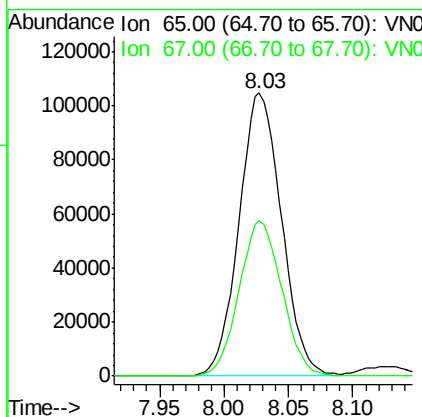
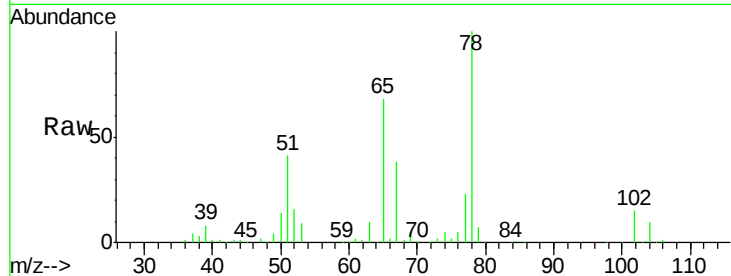
#27
 1,2-Dichloroethane-d4
 Concen: 16.944 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.3	44.6	66.8

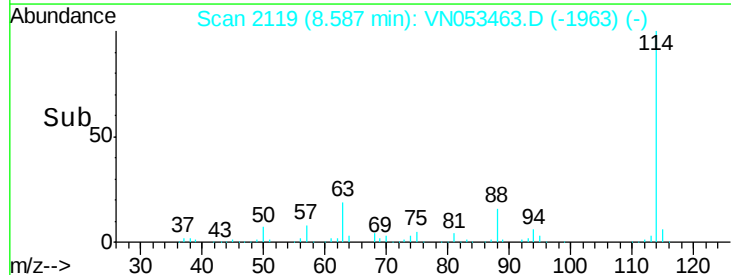
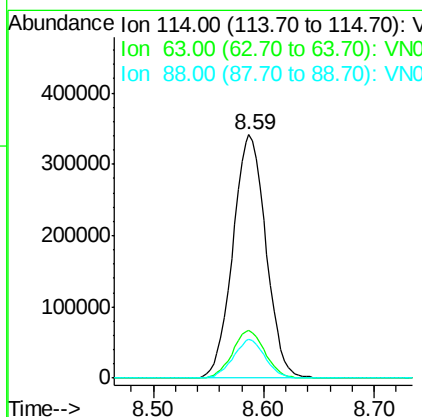
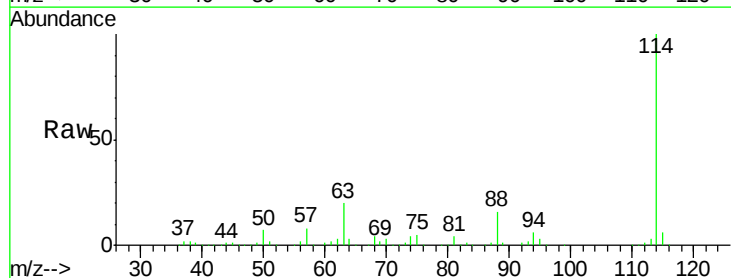
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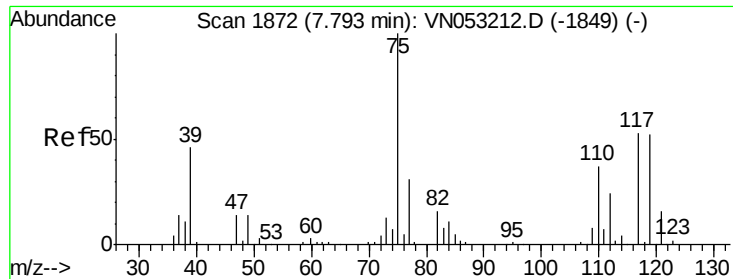
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	16.9	25.3
88	15.2	12.8	19.2





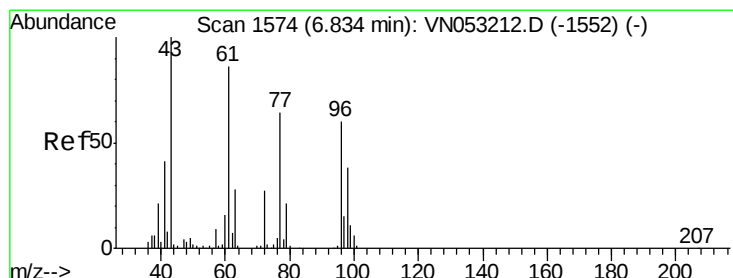
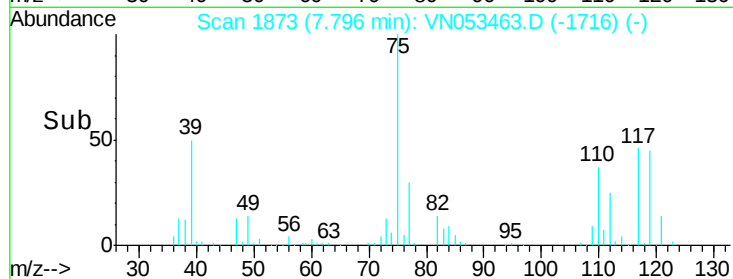
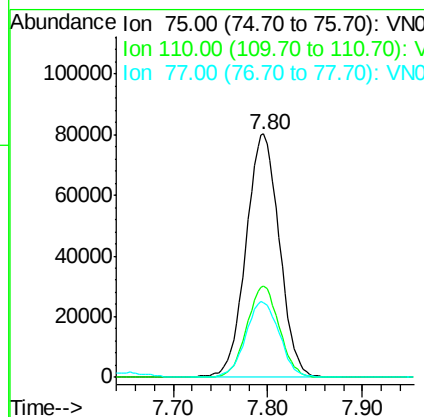
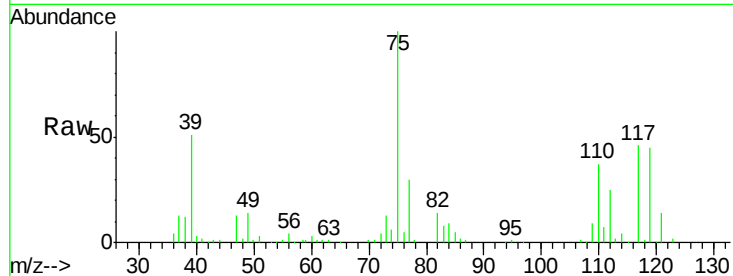
#29
 1,1-Dichloropropene
 Concen: 18.304 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampled :
 VN0118WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.3	0.0	70.2
77	31.4	0.0	62.6

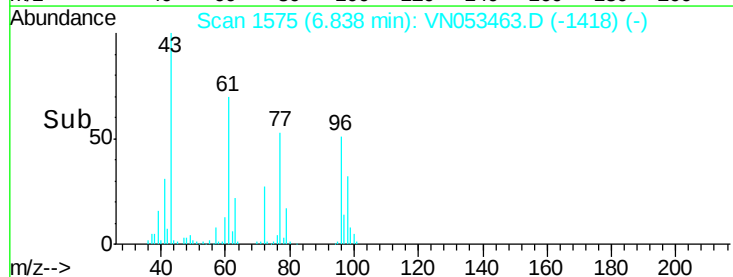
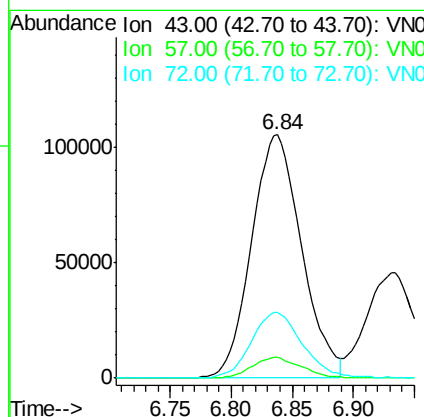
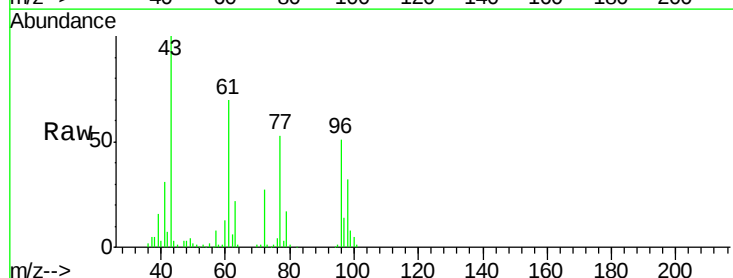
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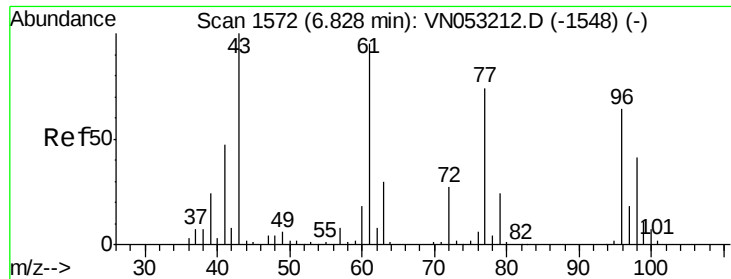
MMDadoda
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#30
 2-Butanone
 Concen: 112.193 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.3	6.2	9.4
72	27.6	21.0	31.6





#31

2,2-Dichloropropane

Concen: 18.513 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion: 77 Resp: 192081

Ion Ratio Lower Upper

77 100

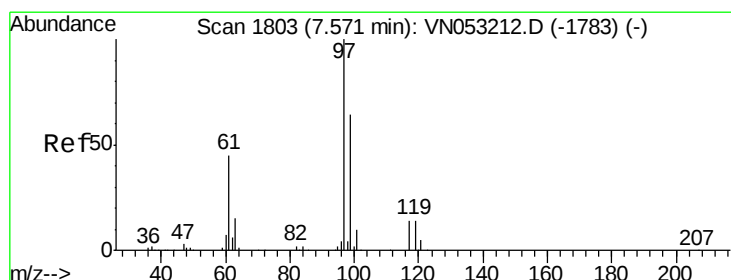
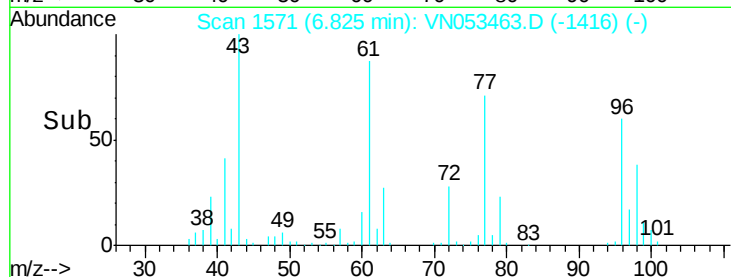
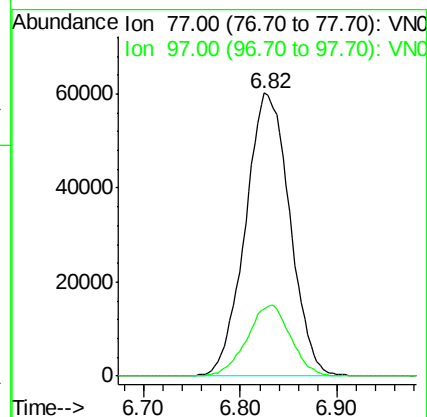
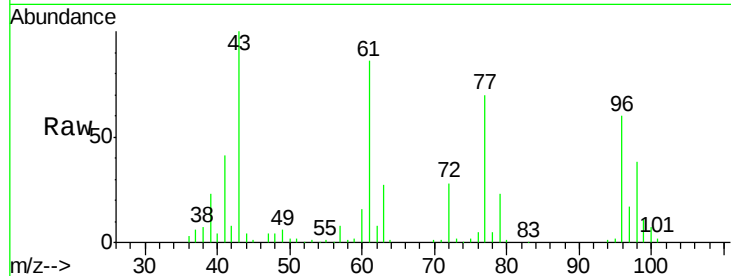
97 24.6 18.7 28.1

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 19.149 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

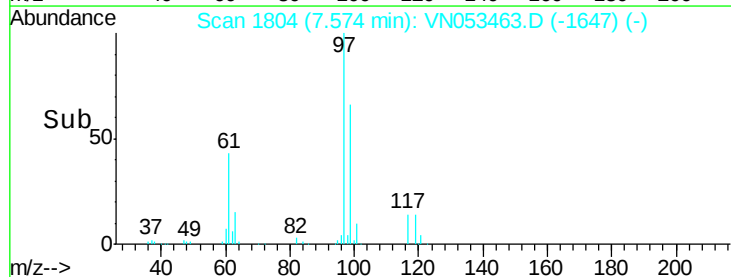
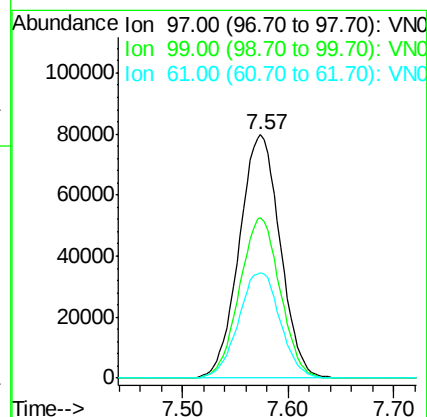
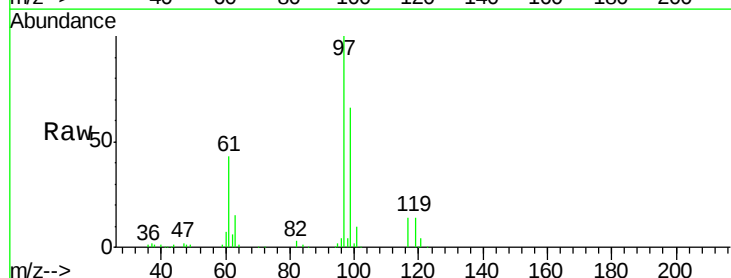
Tgt Ion: 97 Resp: 215026

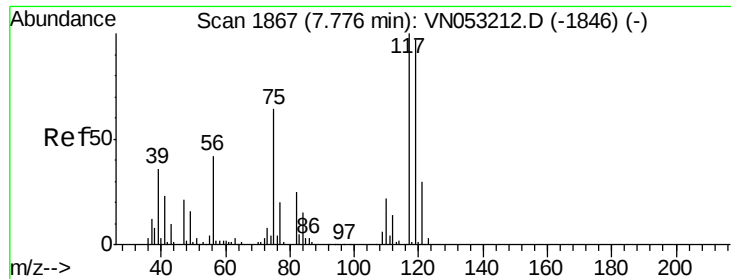
Ion Ratio Lower Upper

97 100

99 65.2 50.9 76.3

61 44.0 38.1 57.1





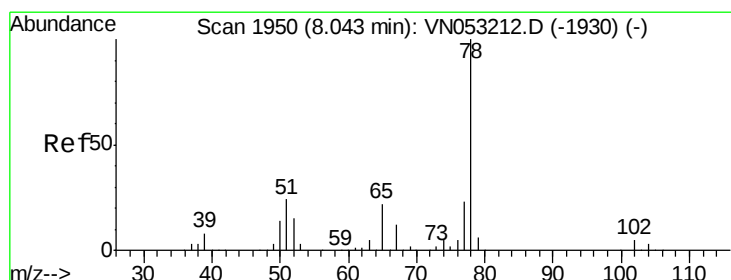
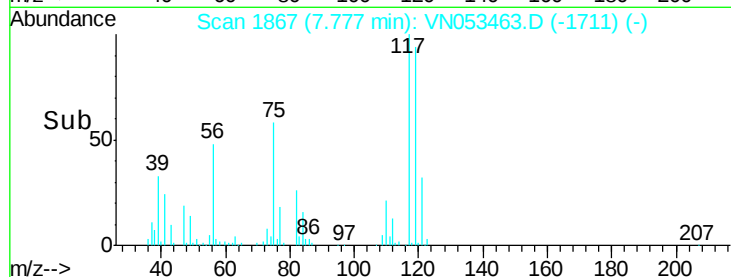
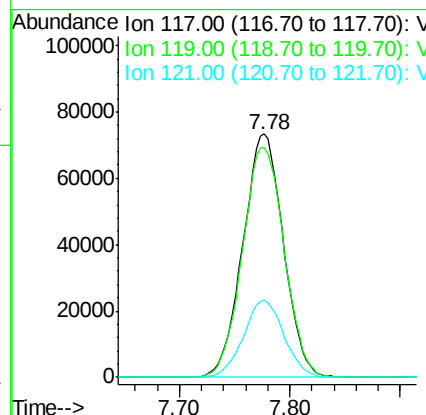
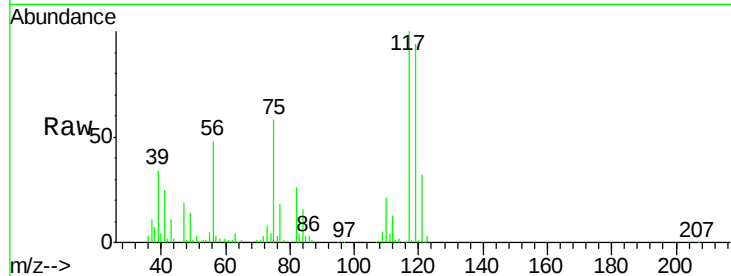
#33
Carbon Tetrachloride
Concen: 19.011 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.3	115.9
121	31.6	24.9	37.3

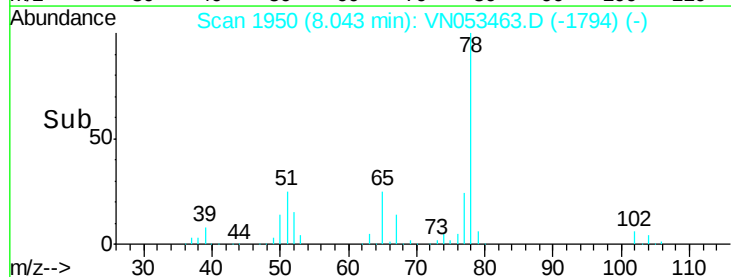
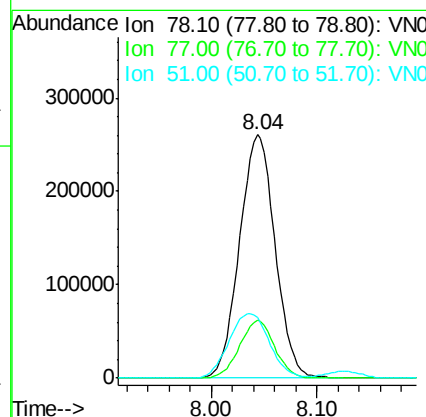
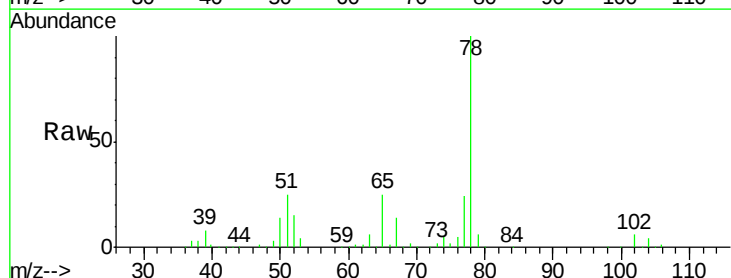
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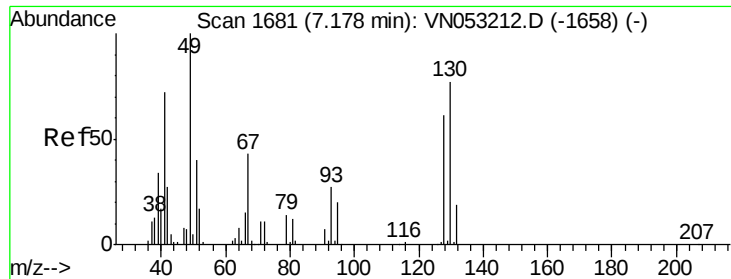
MMDadoda
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#34
Benzene
Concen: 18.973 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.6
51	24.5	20.5	30.7





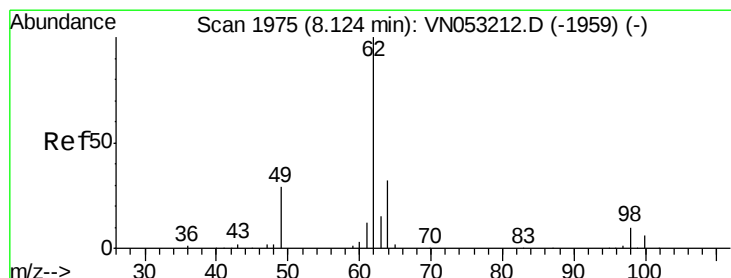
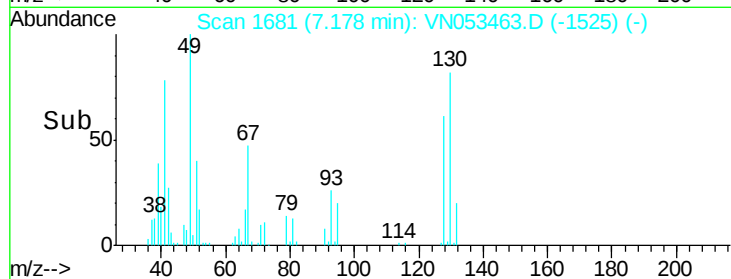
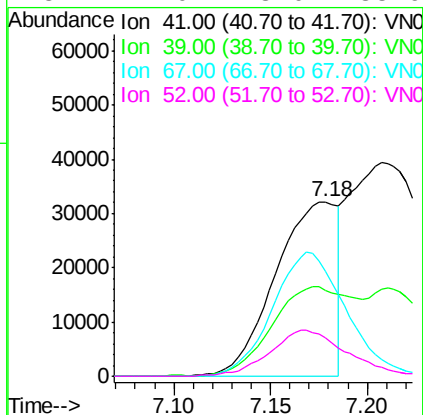
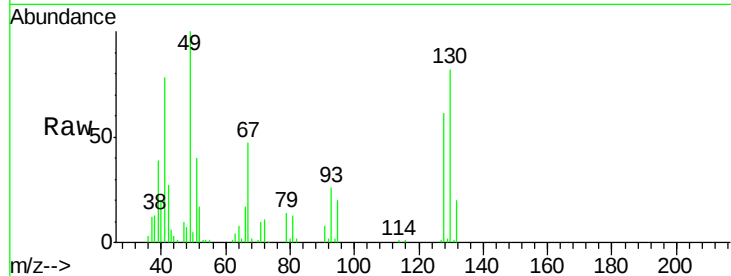
#35
Methacrylonitrile
Concen: 20.767 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	41	Resp	71650
Ion	Ratio	Lower	Upper
41	100		
39	49.6	26.6	79.7
67	60.0	32.3	96.9
52	22.0	13.0	38.9

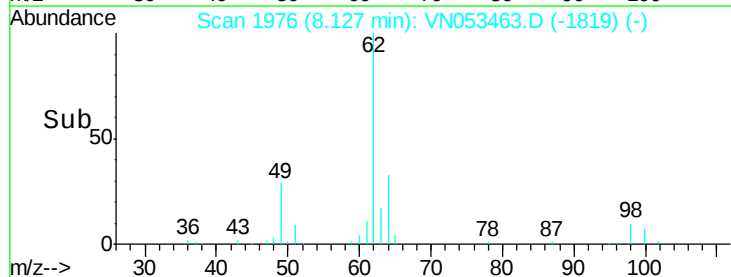
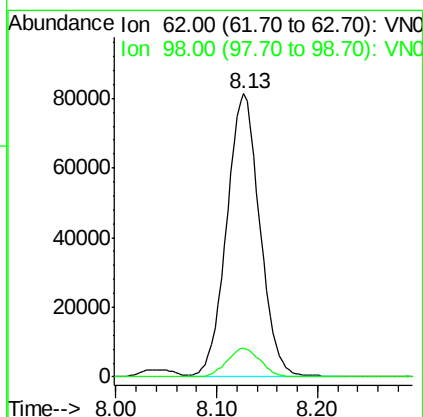
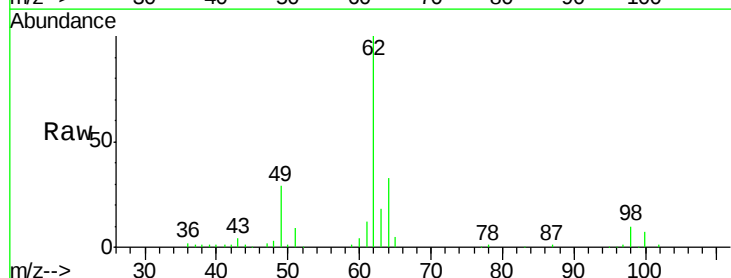
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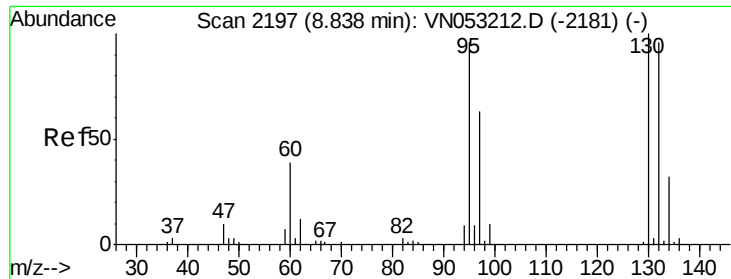
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#36
1,2-Dichloroethane
Concen: 19.753 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	62	Resp	184697
Ion	Ratio	Lower	Upper
62	100		
98	10.2	7.4	11.2





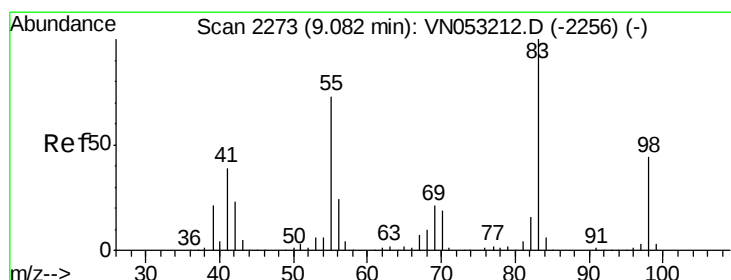
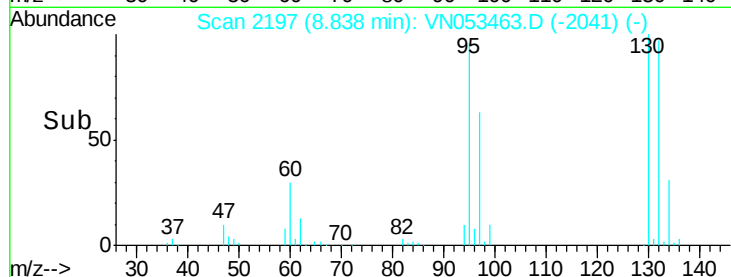
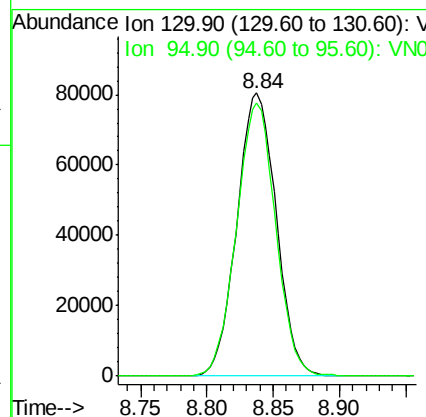
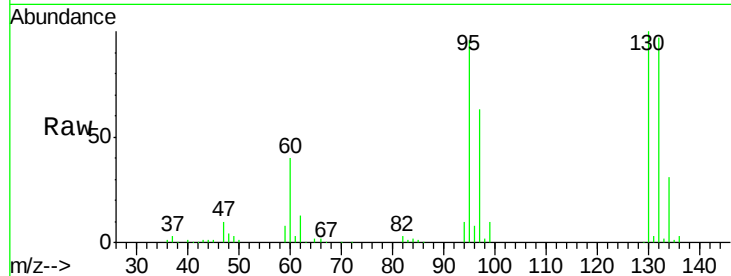
#37
 Trichloroethene
 Concen: 18.991 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion:130 Resp: 165699
 Ion Ratio Lower Upper
 130 100
 95 96.5 81.0 121.4

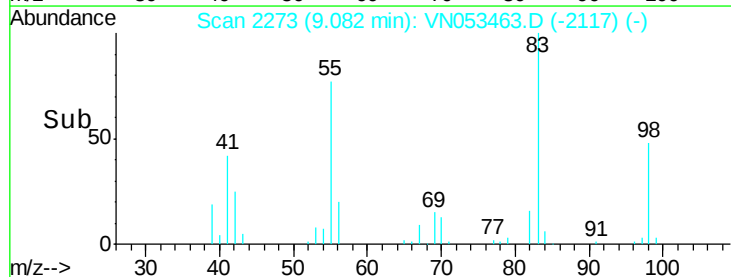
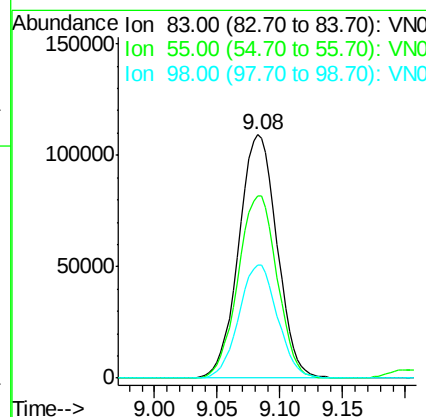
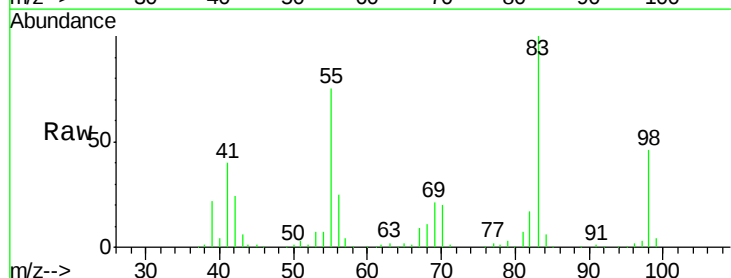
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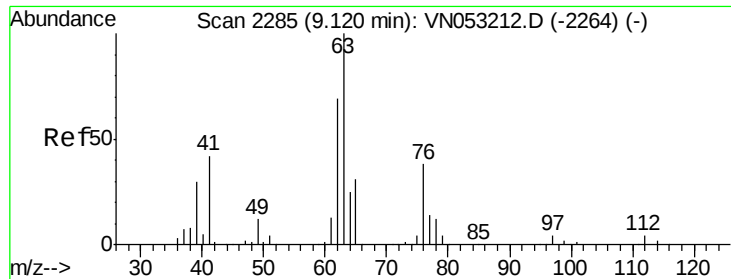
MMDadoda
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#38
 Methylcyclohexane
 Concen: 18.516 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 83 Resp: 232098
 Ion Ratio Lower Upper
 83 100
 55 76.5 39.8 119.4
 98 46.9 22.9 68.5





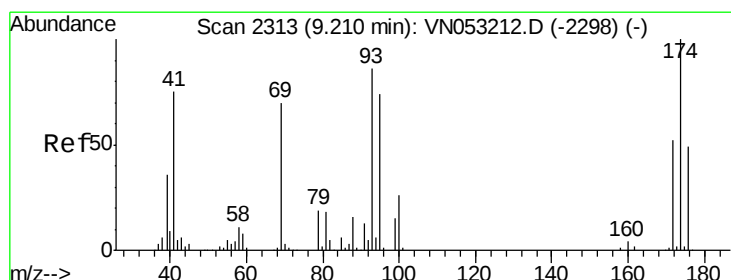
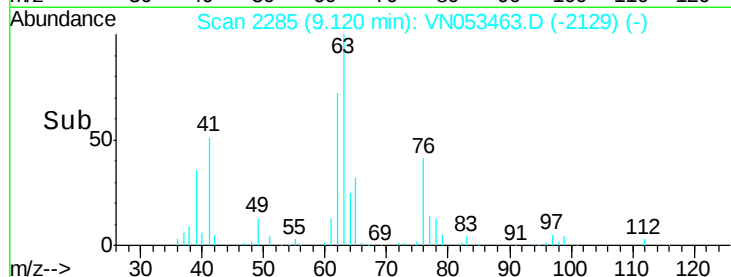
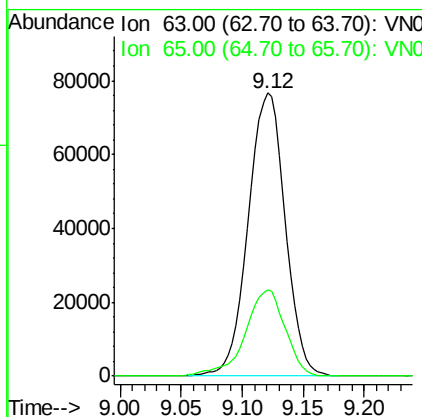
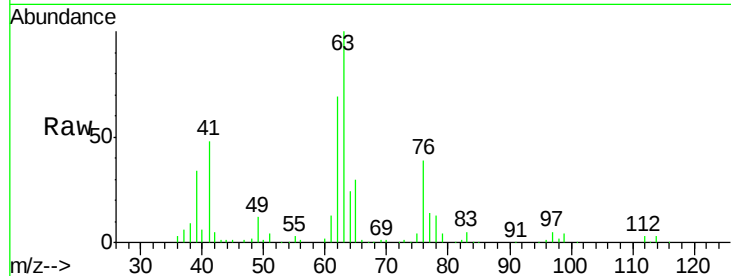
#39
 1,2-Dichloropropane
 Concen: 19.111 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion: 63 Resp: 160734
 Ion Ratio Lower Upper
 63 100
 65 30.5 23.6 35.4

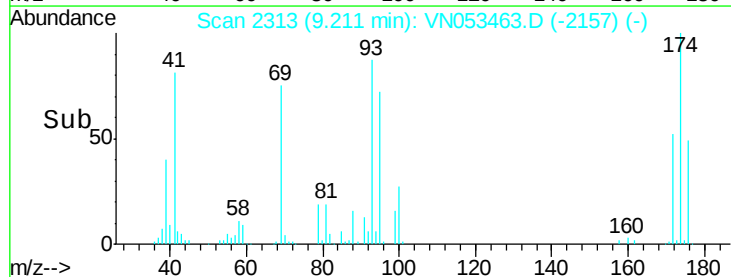
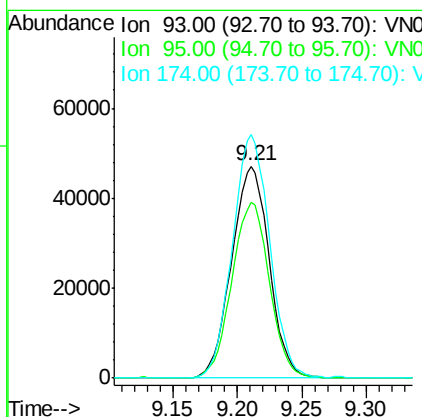
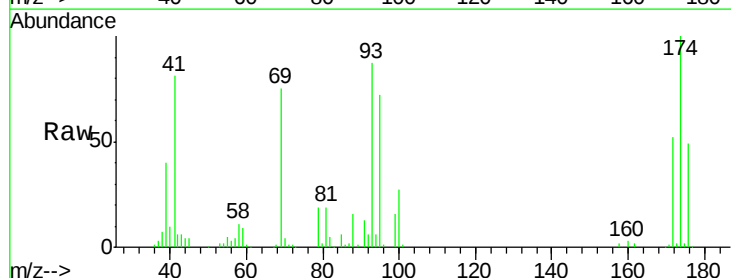
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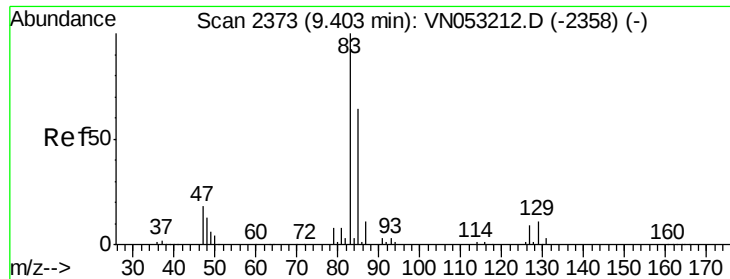
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#40
 Dibromomethane
 Concen: 20.127 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion: 93 Resp: 95731
 Ion Ratio Lower Upper
 93 100
 95 82.9 0.0 168.4
 174 113.8 0.0 210.0





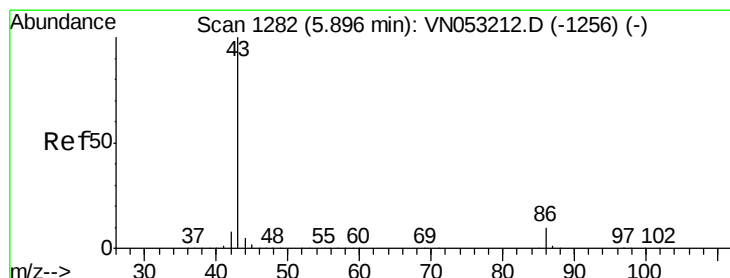
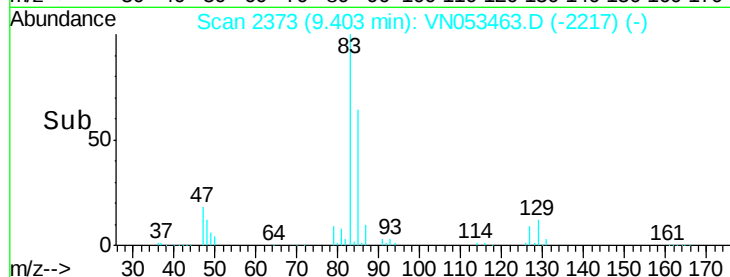
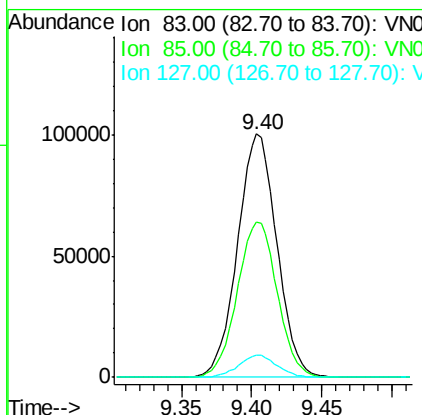
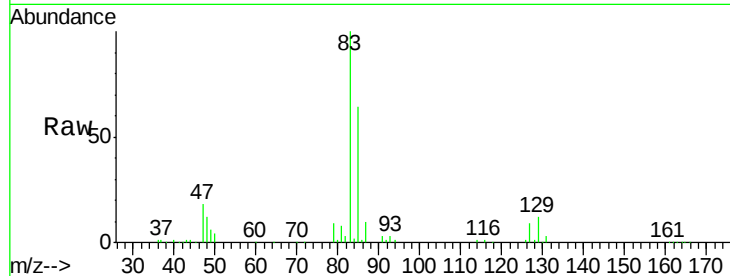
#41
 Bromodichloromethane
 Concen: 19.171 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion	83	Resp	195819
Ion Ratio	100	Lower	Upper
83	100		
85	63.6	52.4	78.6
127	9.0	6.6	9.8

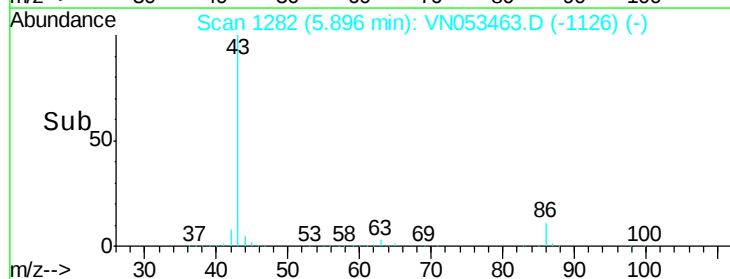
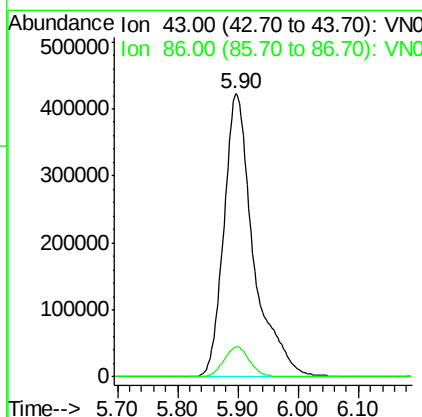
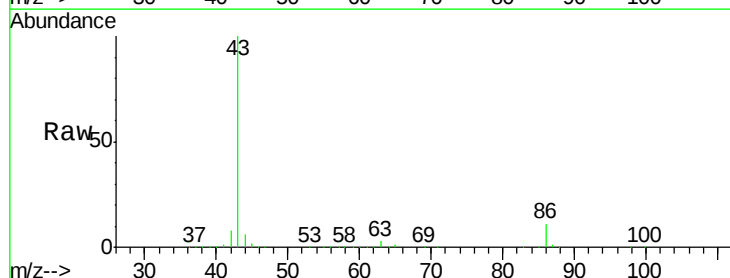
Manual Integrations
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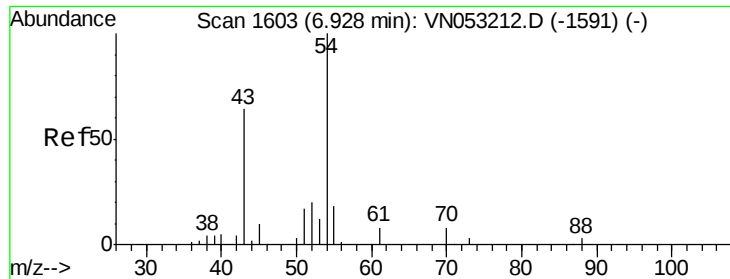
MMDadoda
 1/21/2019 10:46:34 AM



#42
 Vinyl Acetate
 Concen: 99.148 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	43	Resp	1446299
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	6.5	9.7





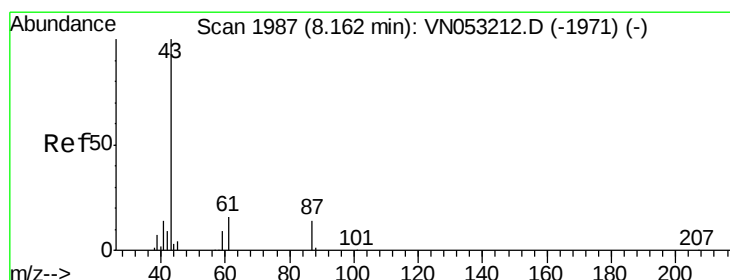
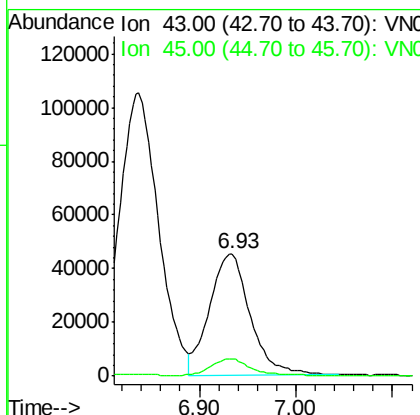
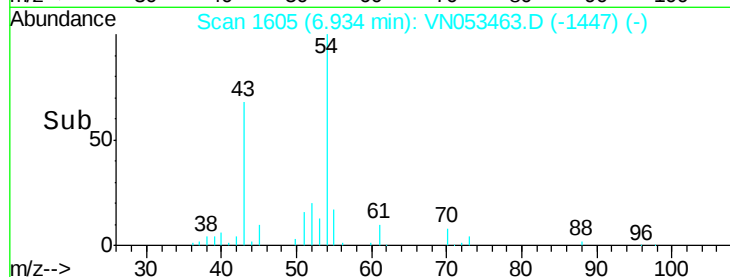
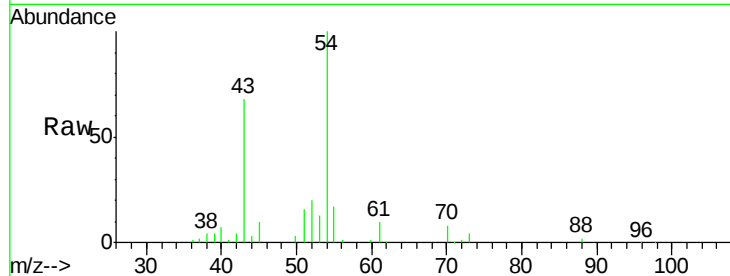
#43
Ethyl Acetate
Concen: 22.180 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.01 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion: 43 Resp: 132438
Ion Ratio Lower Upper
43 100
45 13.3 1.0 1.6#

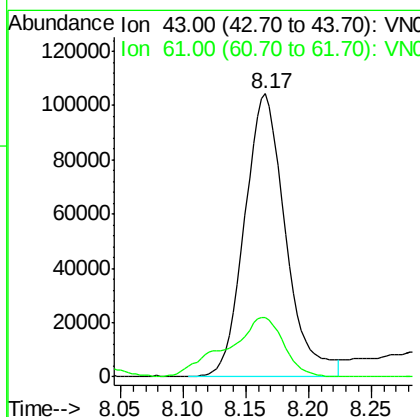
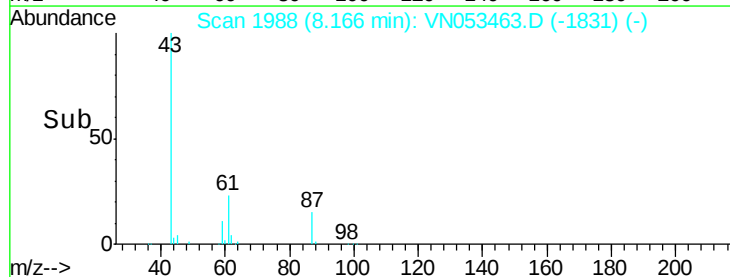
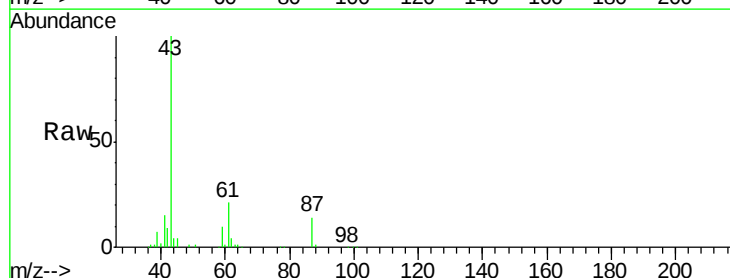
Manual Integrations
APPROVED

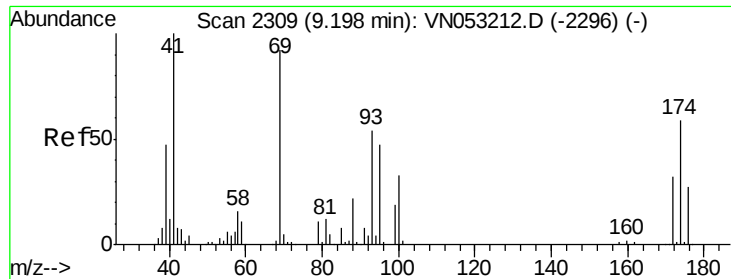
MMDadoda
1/21/2019 10:46:34 AM



#44
Isopropyl Acetate
Concen: 21.272 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 43 Resp: 236609
Ion Ratio Lower Upper
43 100
61 28.5 16.0 24.0#





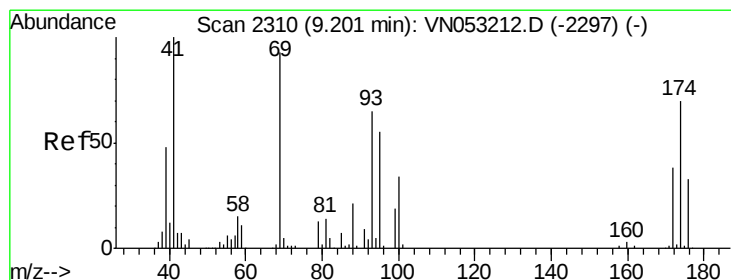
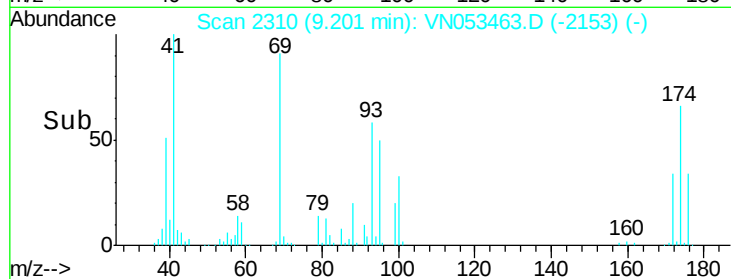
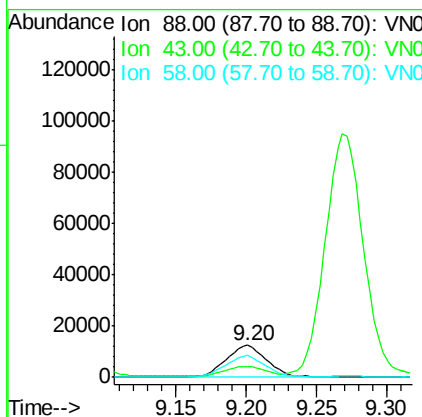
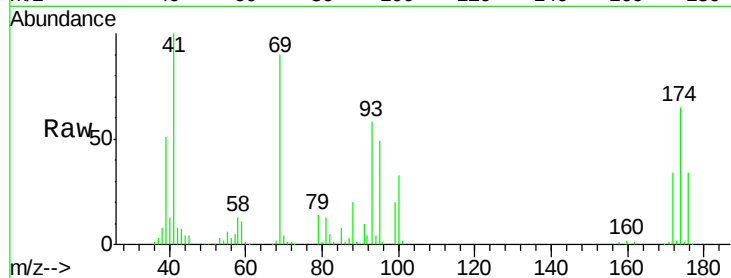
#45
1,4-Dioxane
Concen: 372.402 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.7	29.5	44.3
58	69.2	61.5	92.3

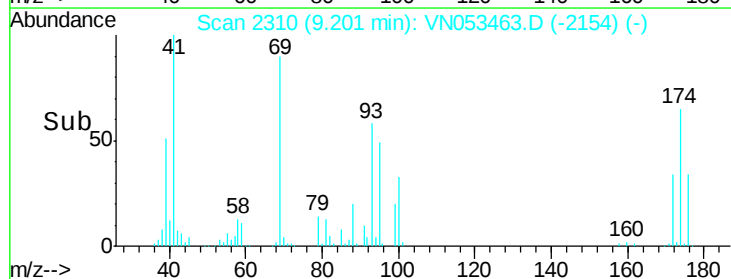
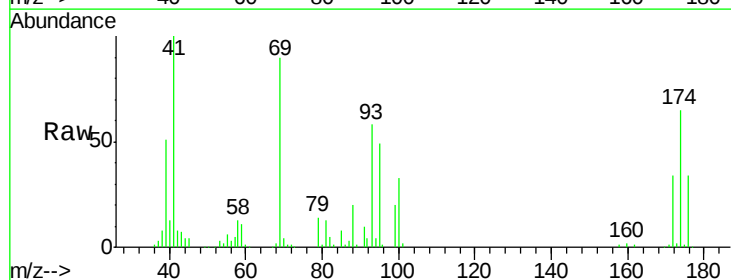
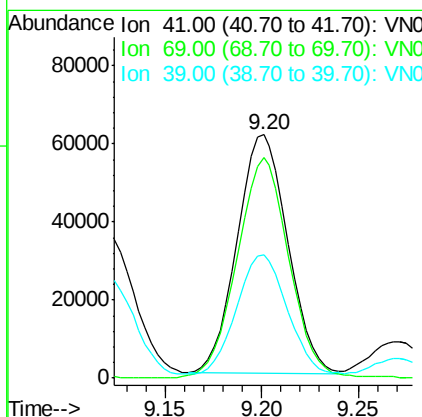
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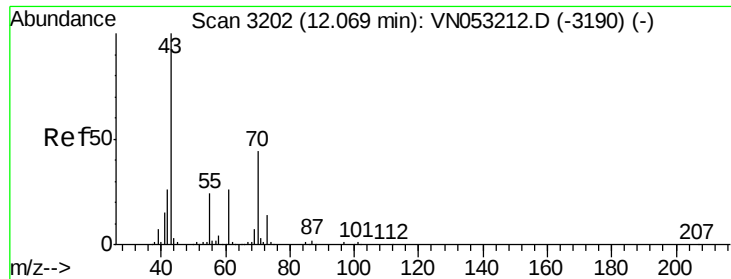
MMDadoda
1/21/2019 10:46:34 AM



#46
Methyl methacrylate
Concen: 19.926 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.5	42.5	127.6
39	50.3	26.3	78.9





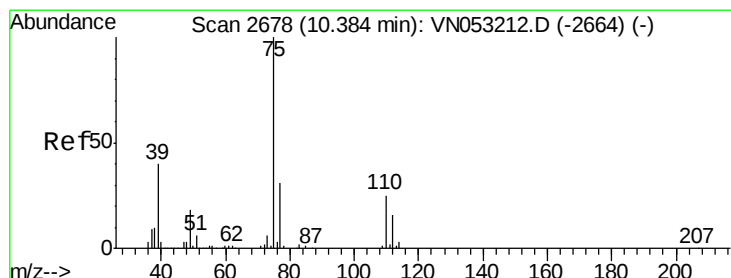
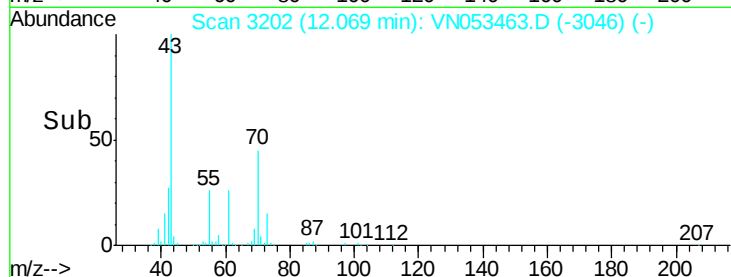
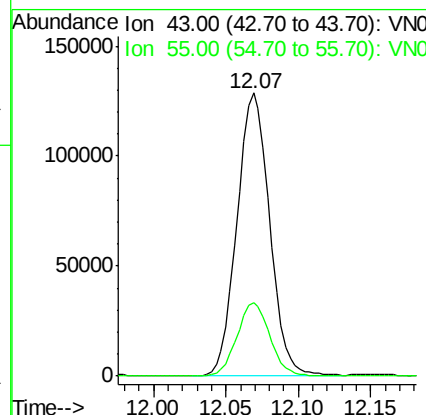
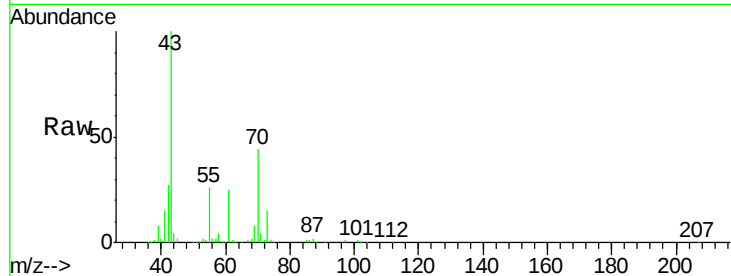
#47
n-amyl Acetate
Concen: 20.531 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampled :
VN0118WBS01

Tot Ion: 43 Resp: 200553
Ion Ratio Lower Upper
43 100
55 26.2 21.1 31.7

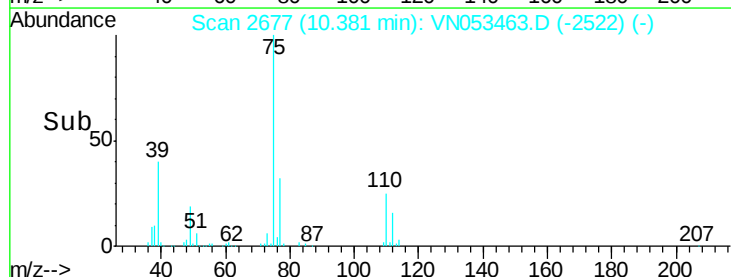
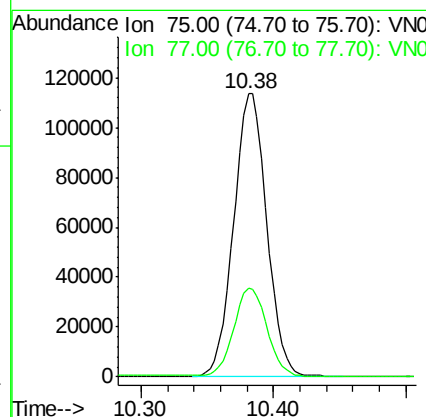
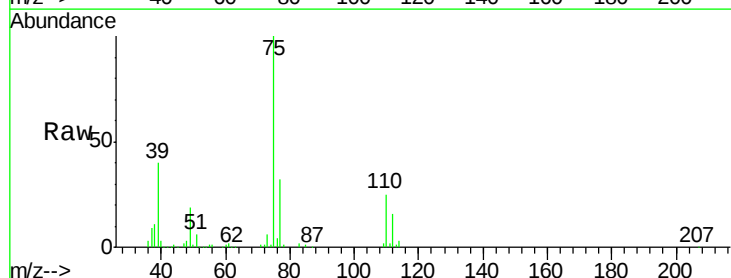
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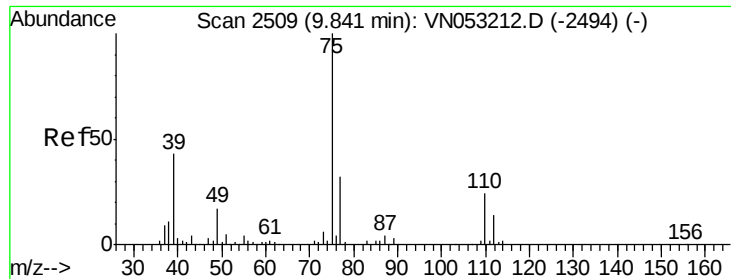
MMDadoda
1/21/2019 10:46:34 AM



#48
t-1,3-Dichloropropene
Concen: 18.922 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. -0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 75 Resp: 197270
Ion Ratio Lower Upper
75 100
77 31.3 25.6 38.4





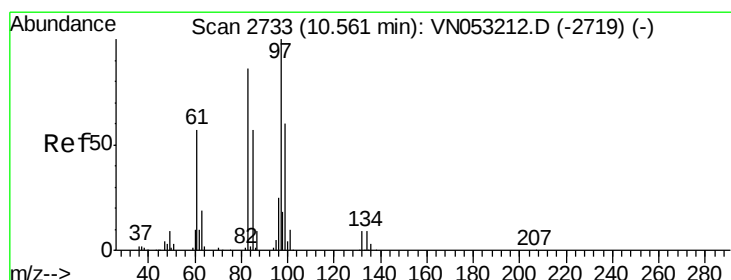
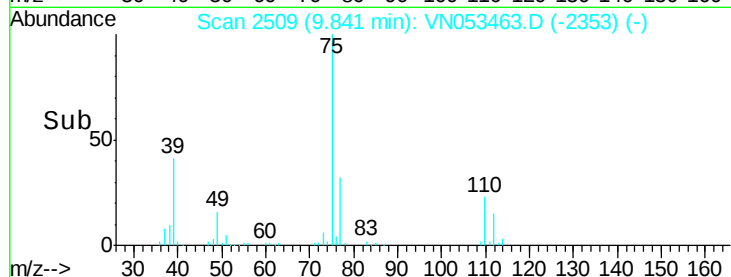
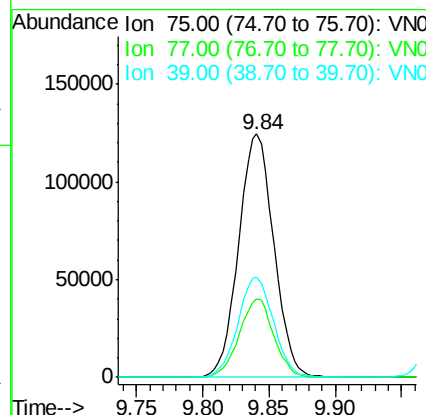
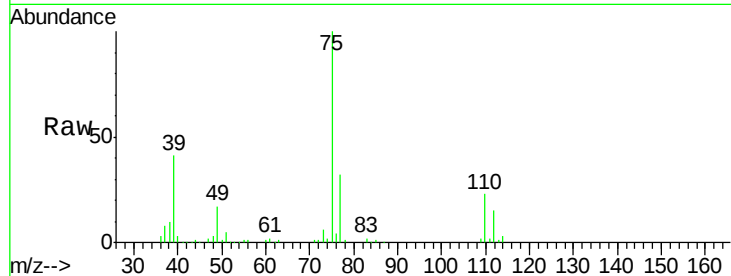
#49
 cis-1,3-Dichloropropene
 Concen: 18.683 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.0
39	40.9	37.3	55.9

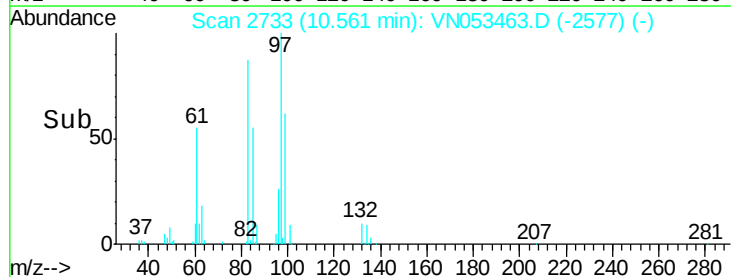
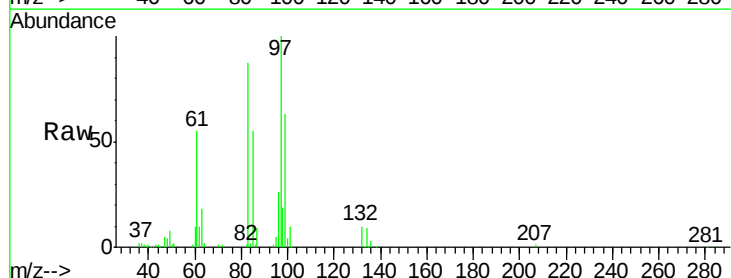
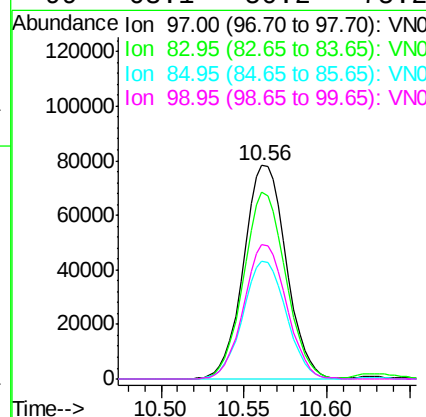
Manual Integrations
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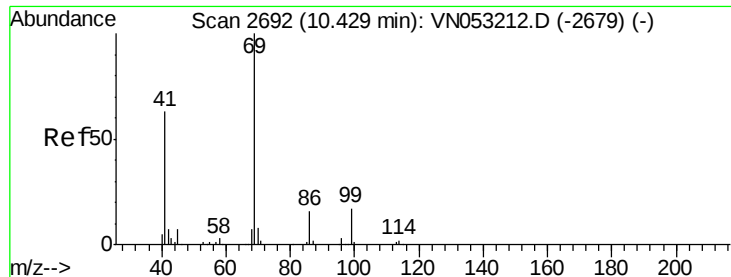
MMDadoda
 1/21/2019 10:46:34 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.560 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	70.4	105.6
85	55.3	45.0	67.6
99	63.1	50.2	75.2





#51

Ethyl methacrylate

Concen: 19.917 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

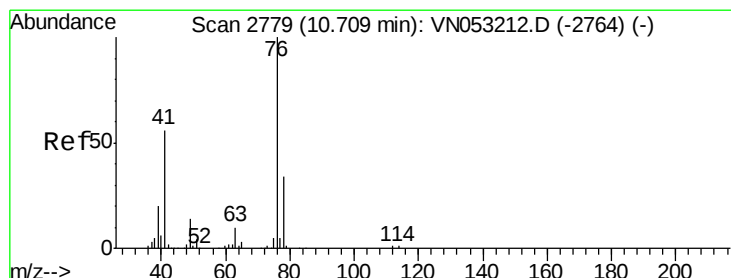
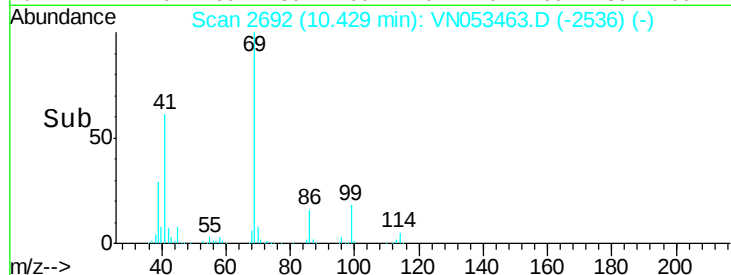
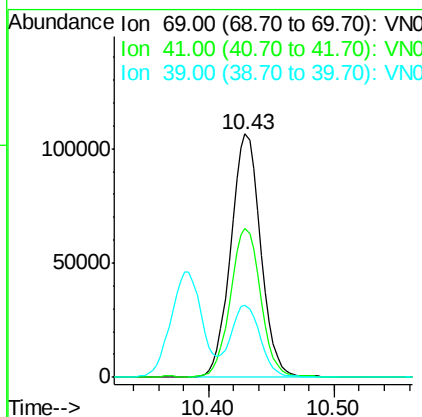
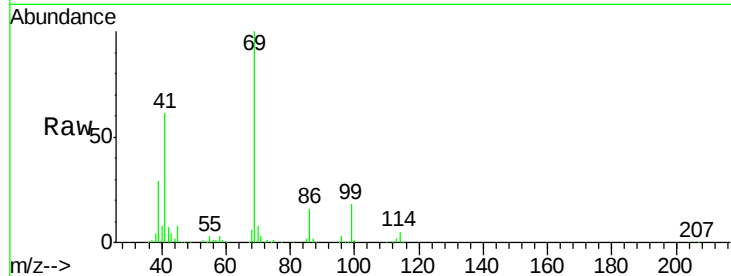
ClientSampled :

VN0118WBS01

Tot Ion:	69	Resp:	177026
Ion	Ratio	Lower	Upper
69	100		
41	60.9	34.4	103.3
39	29.2	16.4	49.2

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#52

1,3-Dichloropropane

Concen: 20.237 ug/l

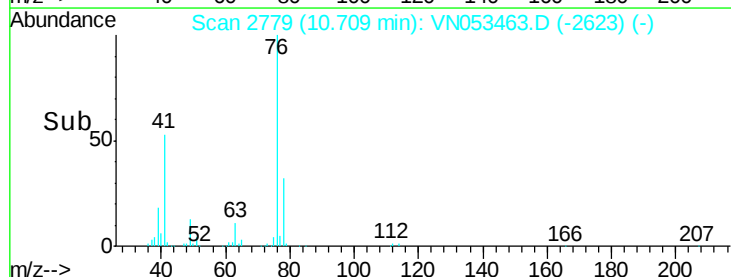
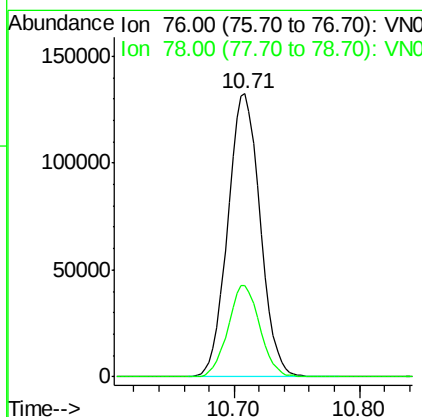
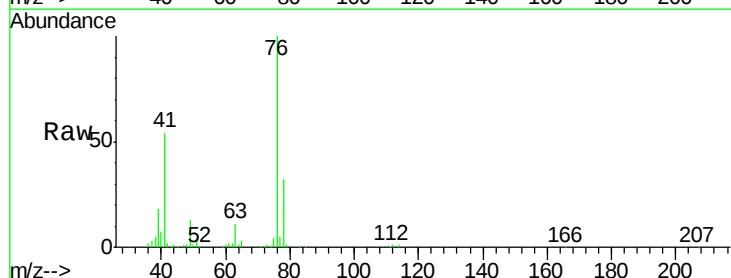
RT: 10.71 min Scan# 2779

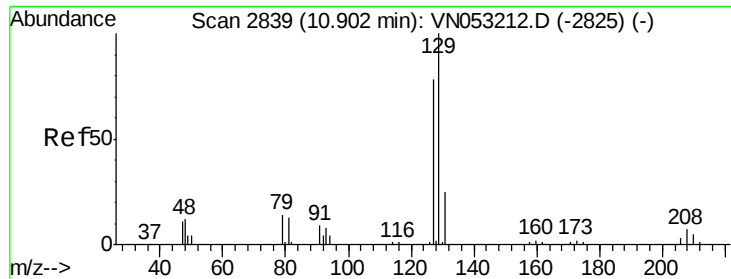
Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion:	76	Resp:	237744
Ion	Ratio	Lower	Upper
76	100		
78	31.8	0.0	64.8





#53

Dibromochloromethane

Concen: 20.125 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion:129 Resp: 154148

Ion Ratio Lower Upper

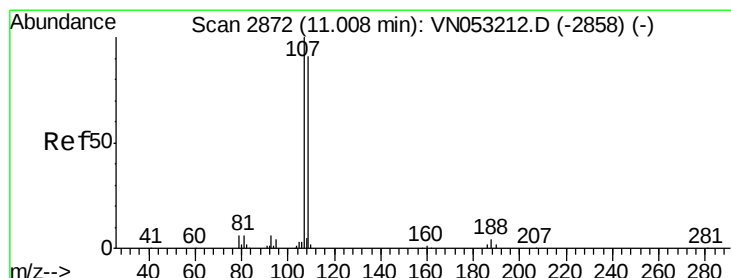
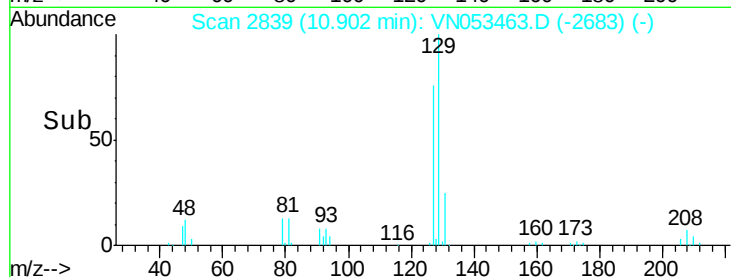
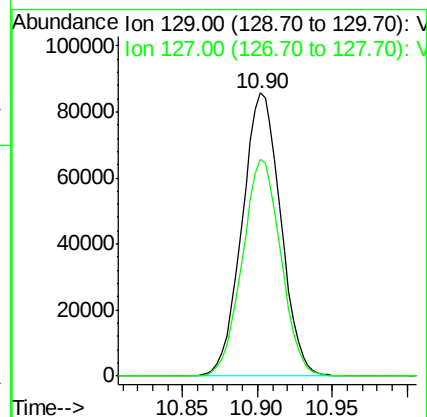
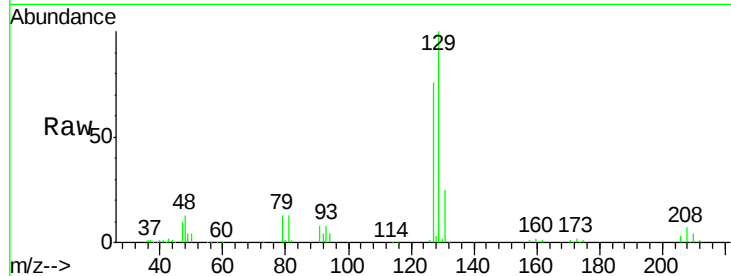
129 100

127 76.1 37.6 112.8

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#54

1,2-Dibromoethane

Concen: 20.304 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN053463.D

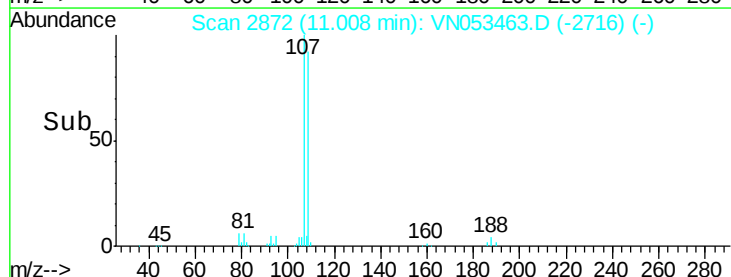
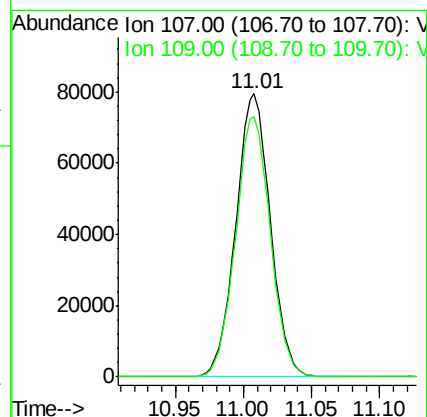
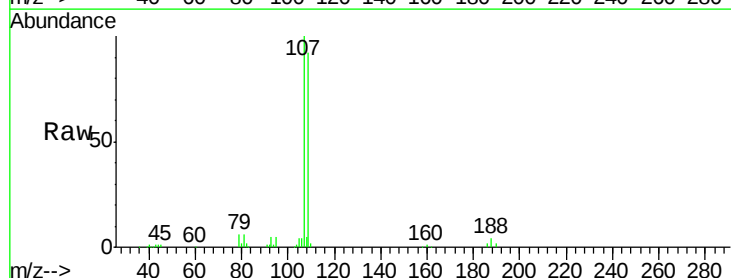
Acq: 18 Jan 2019 10:54

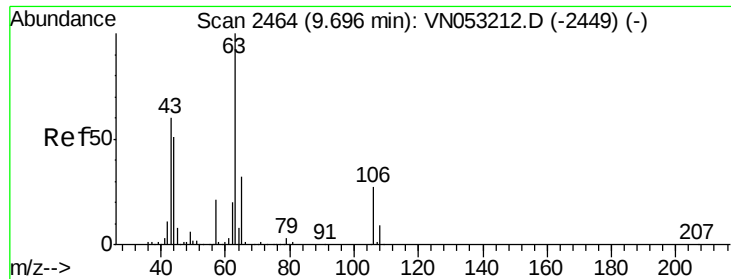
Tgt Ion:107 Resp: 139688

Ion Ratio Lower Upper

107 100

109 92.7 77.1 115.7





#55

2-Chloroethyl vinyl ether

Concen: 100.819 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

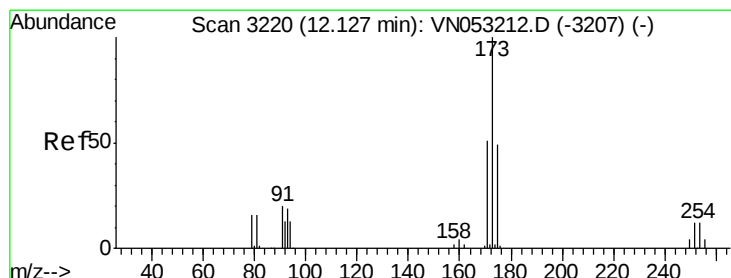
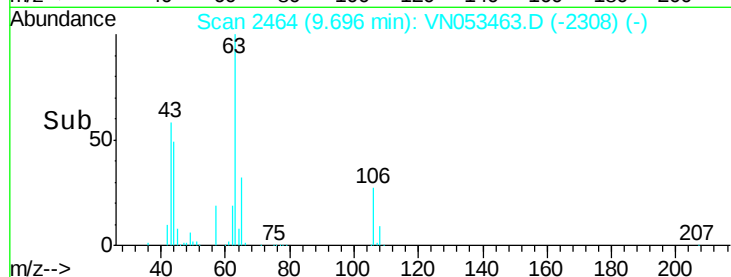
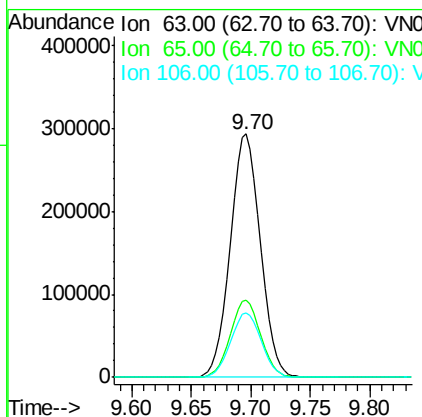
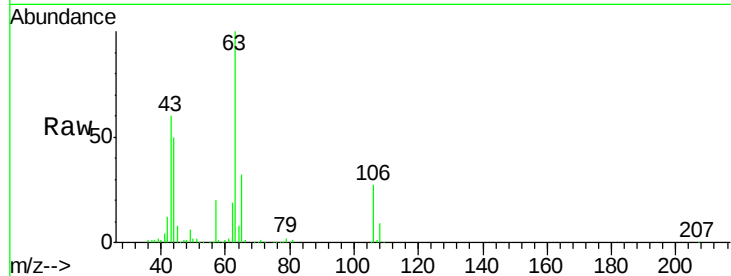
ClientSampleId :

VN0118WBS01

Tot Ion:	63	Resp:	514269
Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.4	38.2
106	27.1	20.4	30.6

Manual Integrations
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#56

Bromoform

Concen: 20.402 ug/l

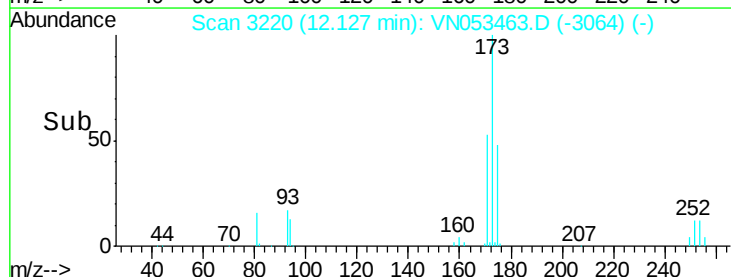
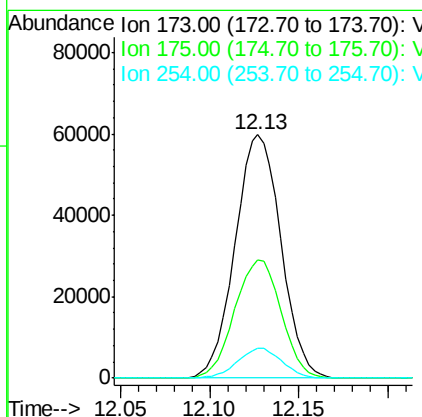
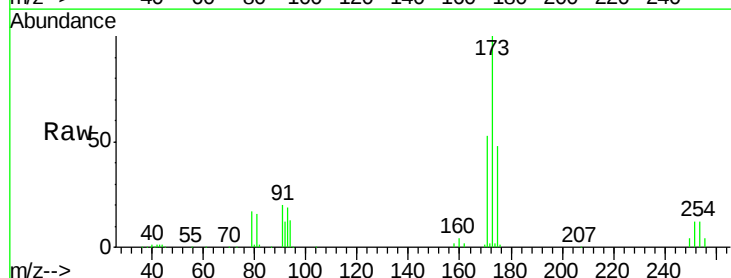
RT: 12.13 min Scan# 3220

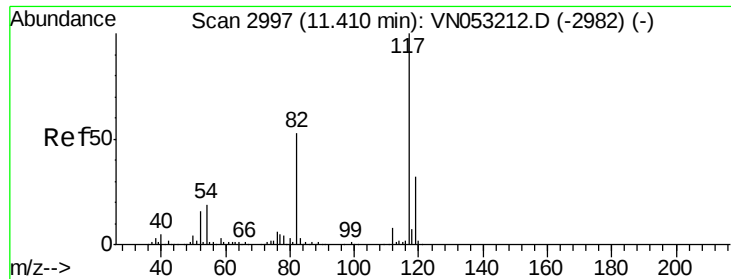
Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion:	173	Resp:	106902
Ion	Ratio	Lower	Upper
173	100		
175	49.1	38.7	58.1
254	11.8	8.4	12.6





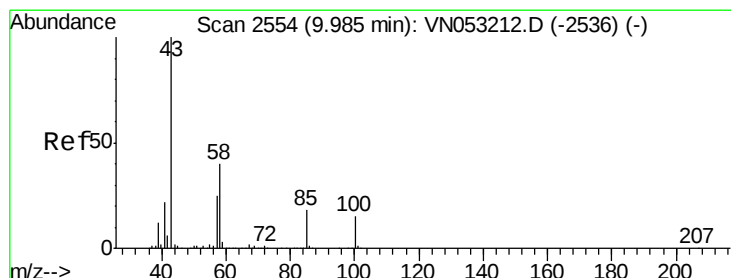
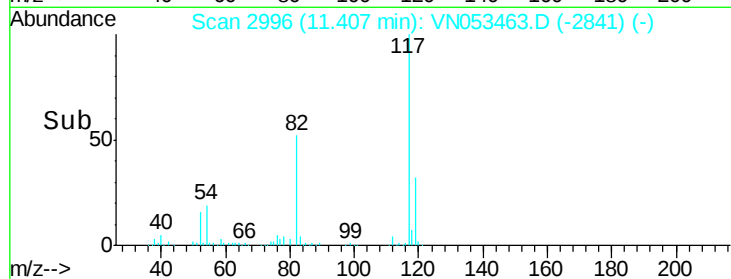
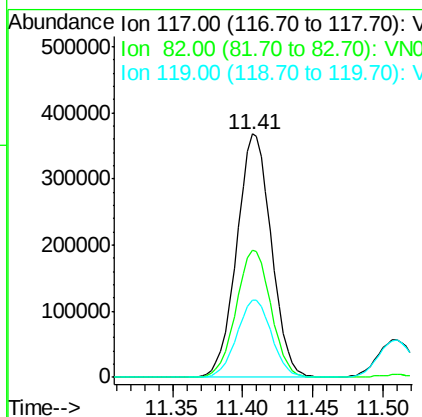
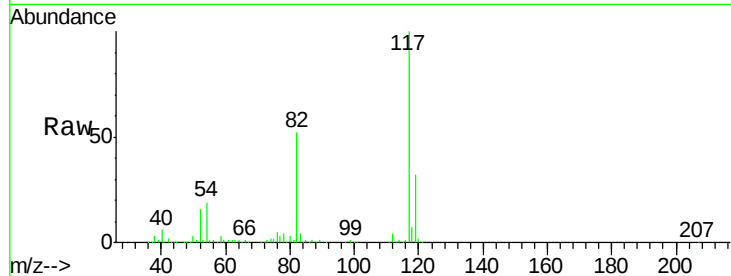
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	44.2	66.2
119	32.0	25.4	38.2

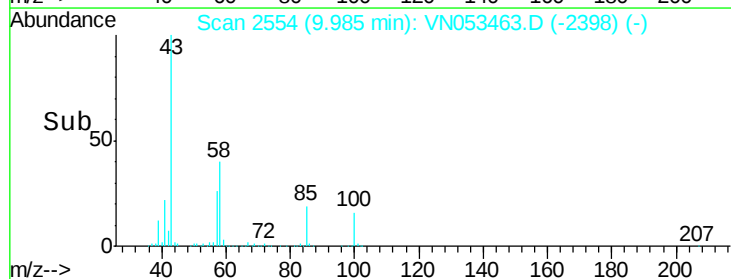
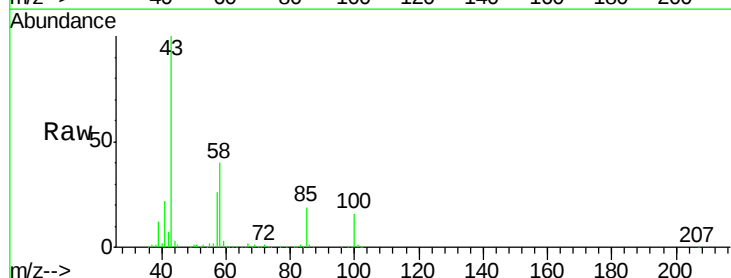
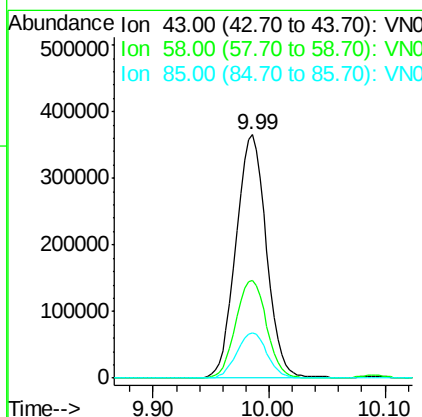
Manual Integrations
APPROVED

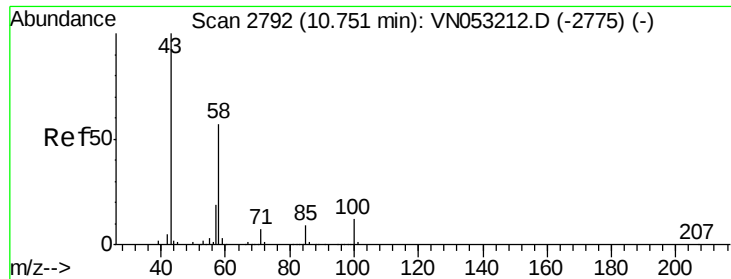
MMDadoda
1/21/2019 10:46:34 AM



#58
4-Methyl-2-Pentanone
Concen: 110.393 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
43	100		
58	41.0	31.6	47.4
85	18.7	13.3	19.9





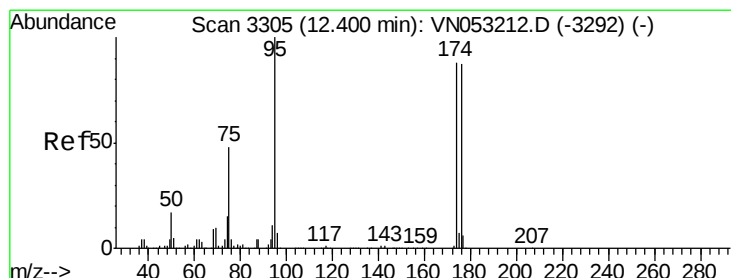
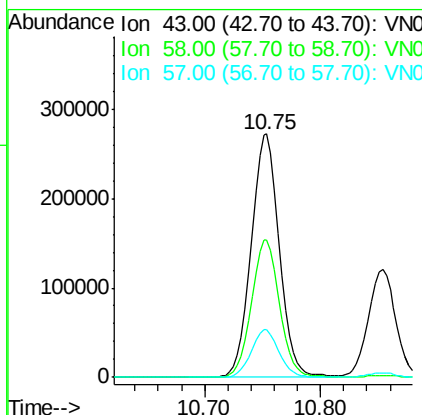
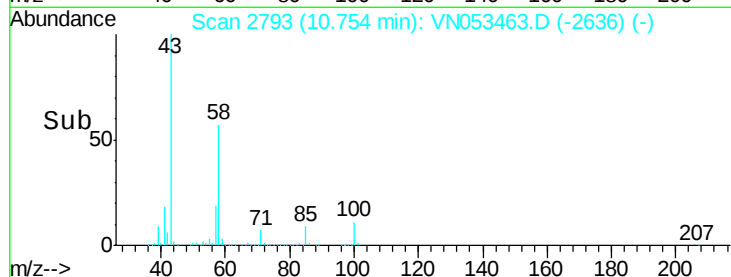
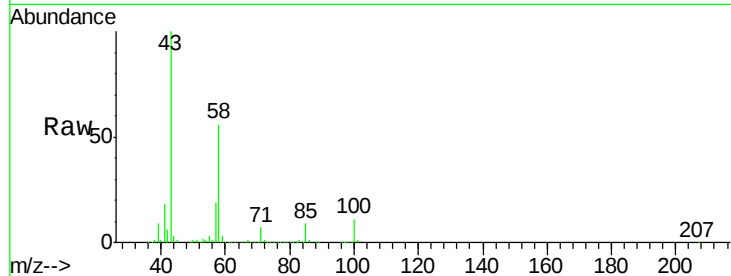
#59
2-Hexanone
Concen: 110.974 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	43.2	64.8
57	19.5	14.9	22.3

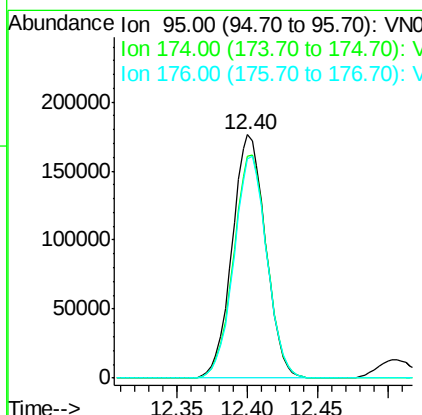
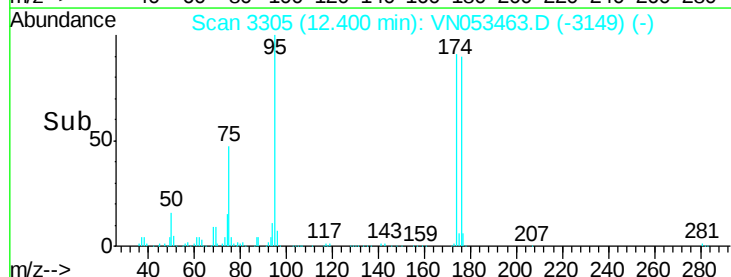
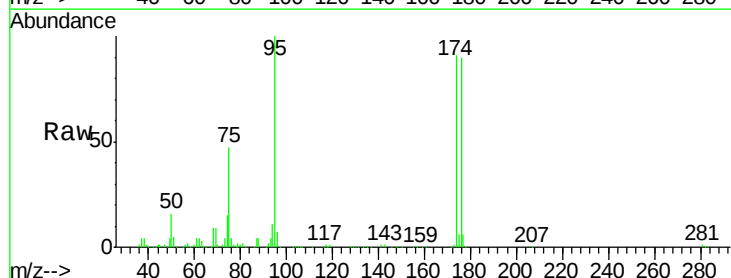
Manual Integrations
APPROVED

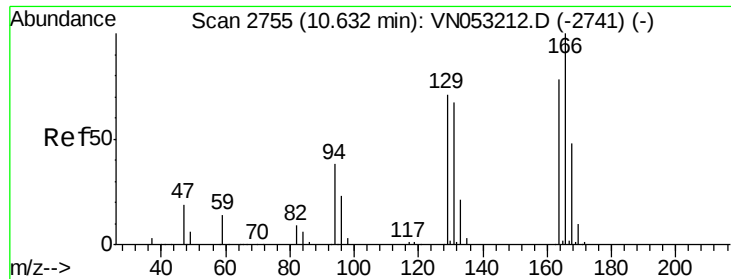
MMDadoda
1/21/2019 10:46:34 AM



#60
4-Bromofluorobenzene
Concen: 110.974 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	67.9	101.9
176	90.1	66.4	99.6





#61

Tetrachloroethene

Concen: 19.586 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion:164 Resp: 182689

Ion Ratio Lower Upper

164 100

166 130.8 104.6 157.0

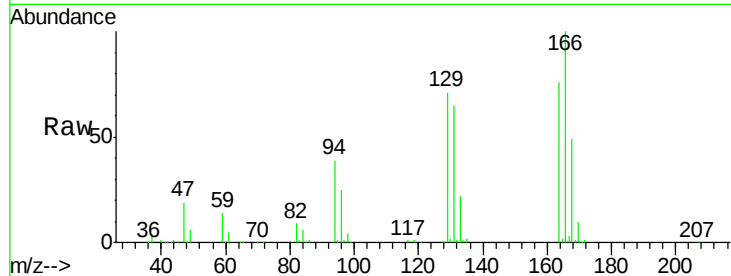
129 93.5 75.3 112.9

131 85.5 74.3 111.5

Manual Integrations
APPROVED

MMDadoda

1/21/2019 10:46:34 AM

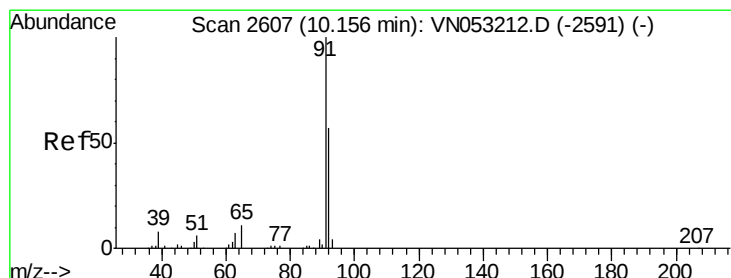
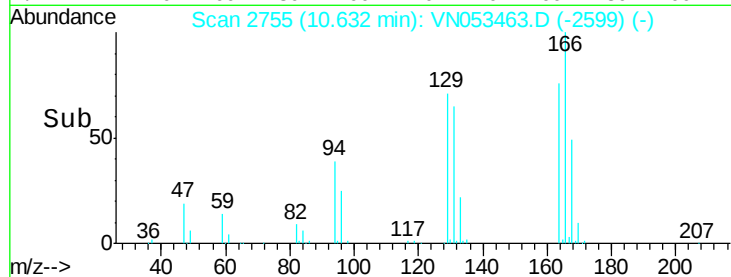
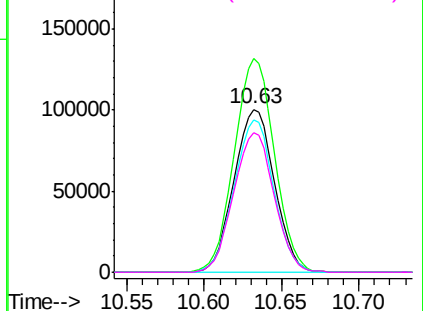


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.863 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN053463.D

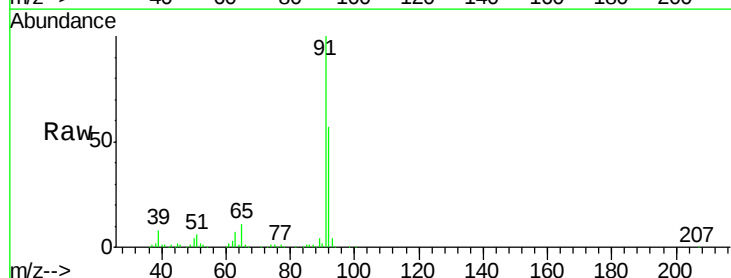
Acq: 18 Jan 2019 10:54

Tgt Ion: 91 Resp: 652967

Ion Ratio Lower Upper

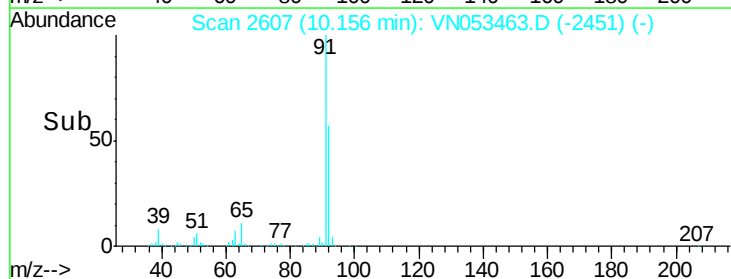
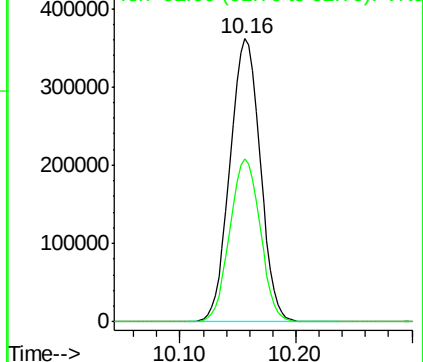
91 100

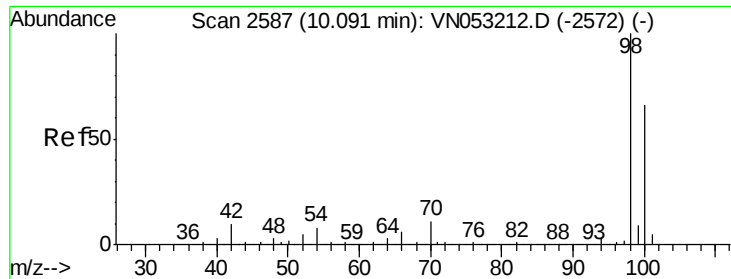
92 57.7 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





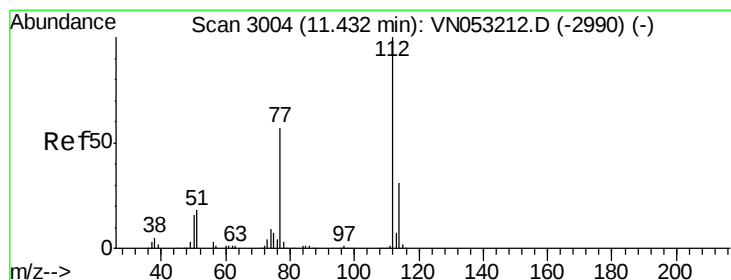
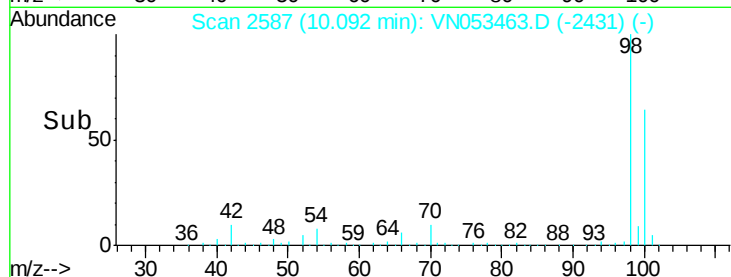
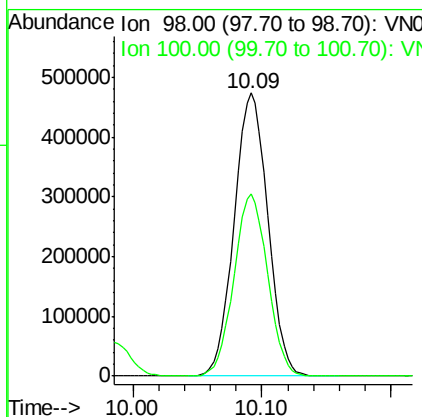
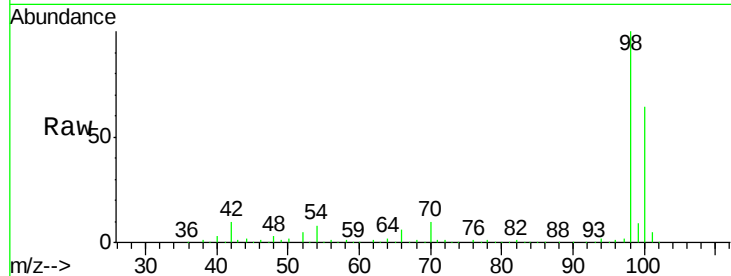
#63
Toluene-d8
Concen: 18.863 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampled :
VN0118WBS01

Tot Ion: 98 Resp: 860684
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7

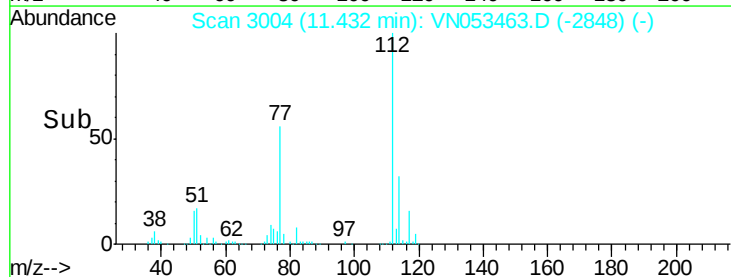
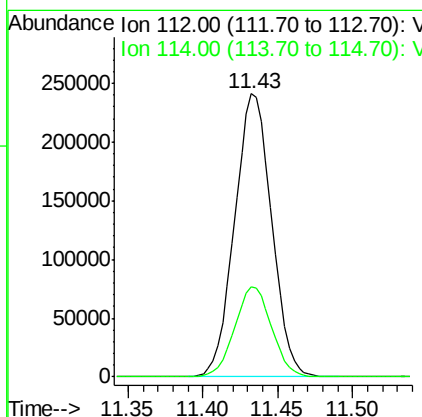
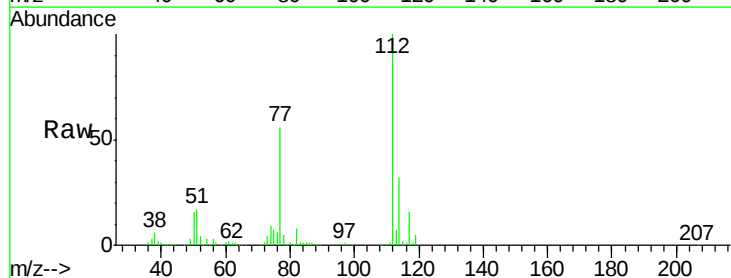
Manual Integrations
APPROVED

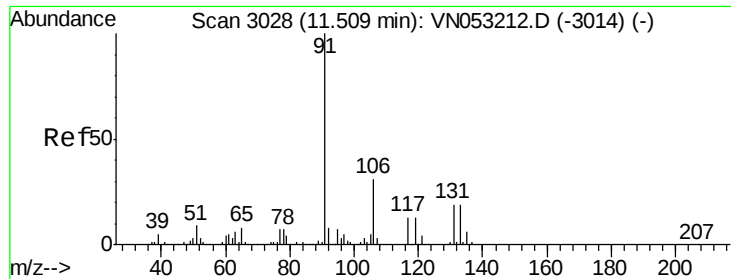
MMDadoda
1/21/2019 10:46:34 AM



#64
Chlorobenzene
Concen: 19.122 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion: 112 Resp: 415369
Ion Ratio Lower Upper
112 100
114 31.9 25.6 38.4





#65

1,1,1,2-Tetrachloroethane

Concen: 19.148 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

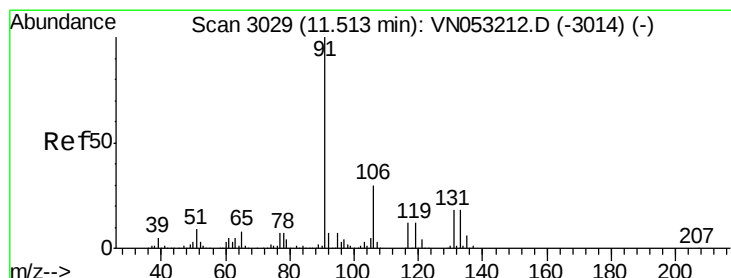
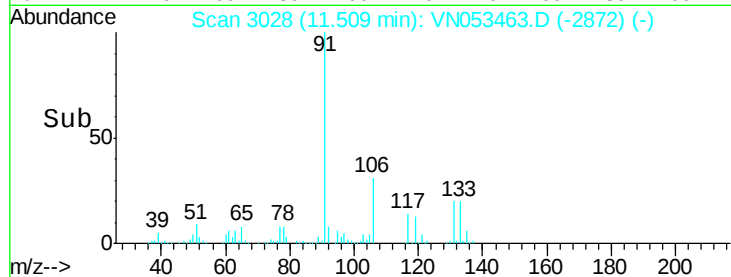
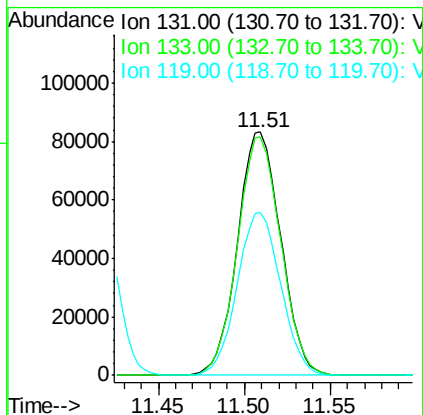
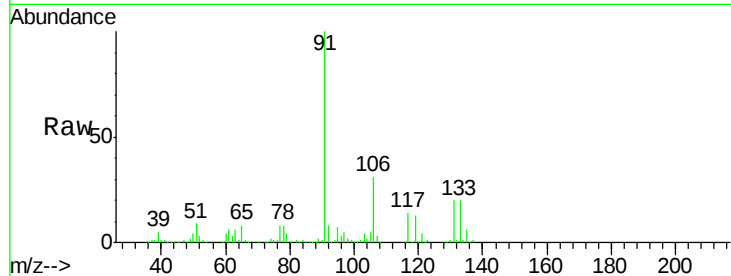
ClientSampled :

VN0118WBS01

Tot Ion:	131	Resp:	145907
Ion Ratio	Lower	Upper	
131	100		
133	97.7	0.0	193.4
119	67.3	0.0	133.0

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:46:34 AM



#66

Ethyl Benzene

Concen: 18.621 ug/l

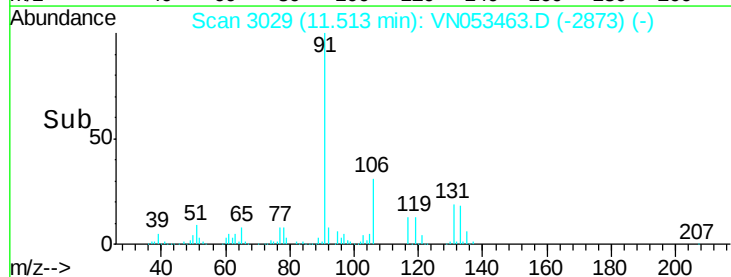
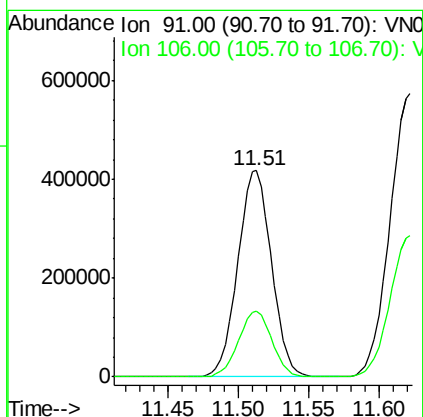
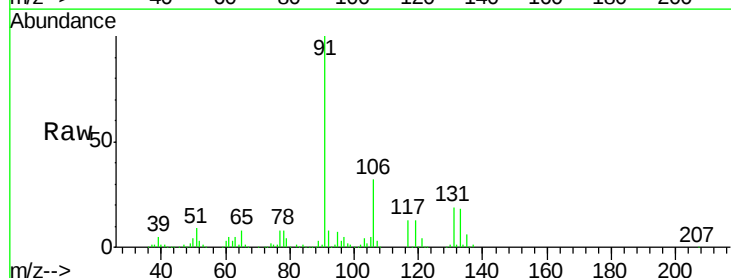
RT: 11.51 min Scan# 3029

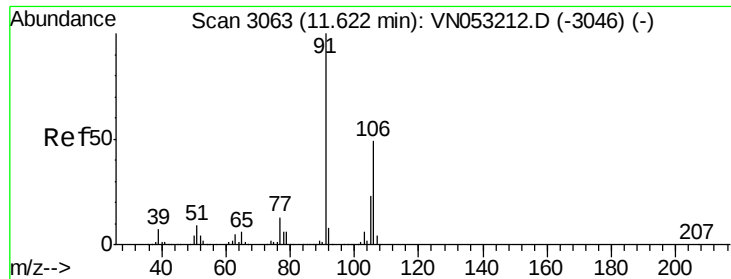
Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion:	91	Resp:	699030
Ion Ratio	Lower	Upper	
91	100		
106	32.0	24.3	36.5





#67

m/p-Xylenes

Concen: 38.223 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion:106 Resp: 542667

Ion Ratio Lower Upper

106 100

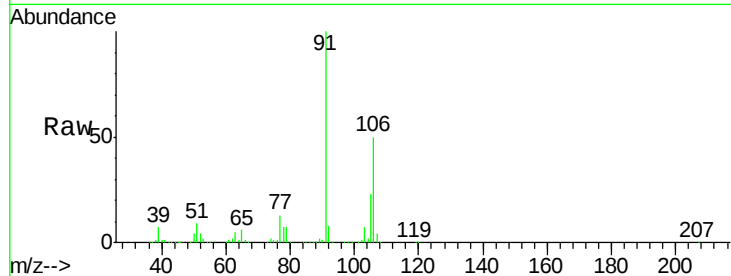
91 198.9 163.9 245.9

Manual Integrations

APPROVED

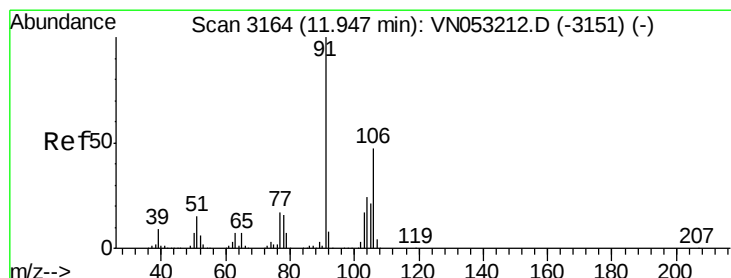
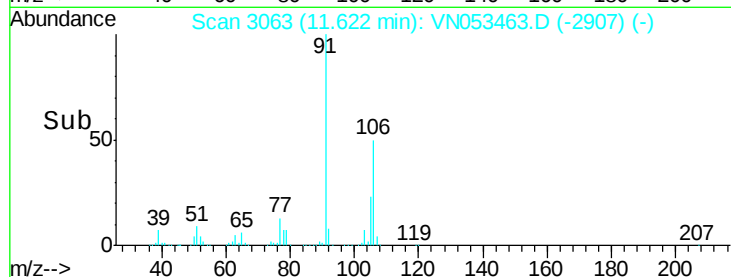
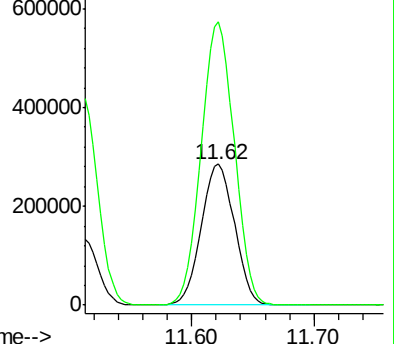
MMDadoda

1/21/2019 10:46:34 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0



#68

o-Xylene

Concen: 19.071 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN053463.D

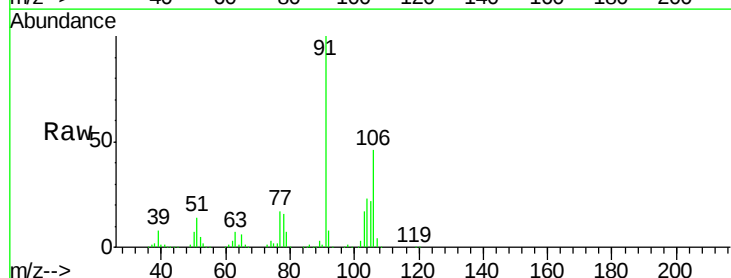
Acq: 18 Jan 2019 10:54

Tgt Ion:106 Resp: 262373

Ion Ratio Lower Upper

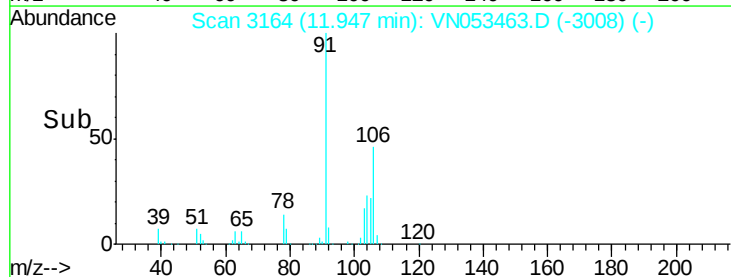
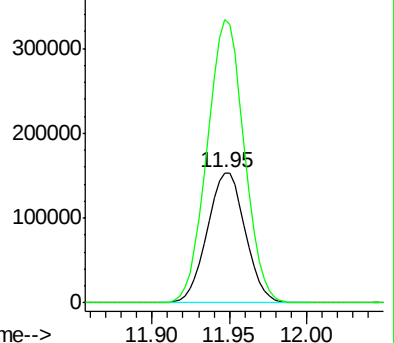
106 100

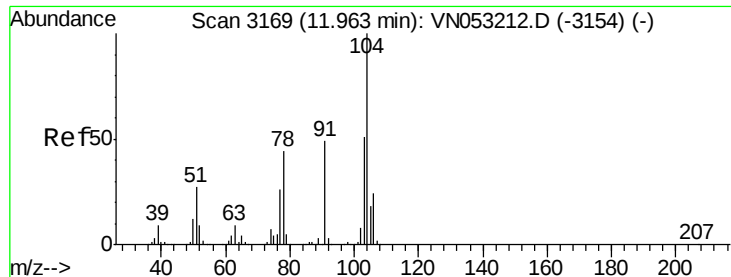
91 212.0 107.8 323.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0





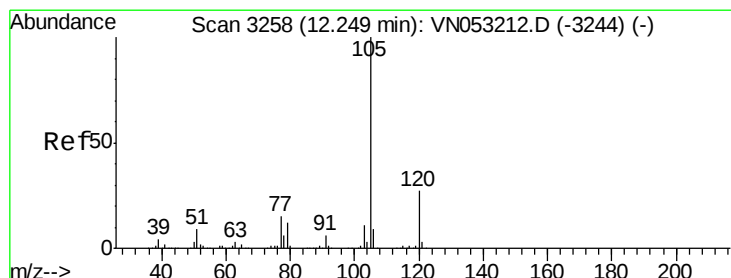
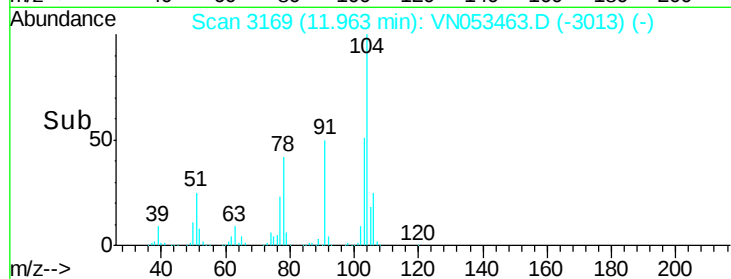
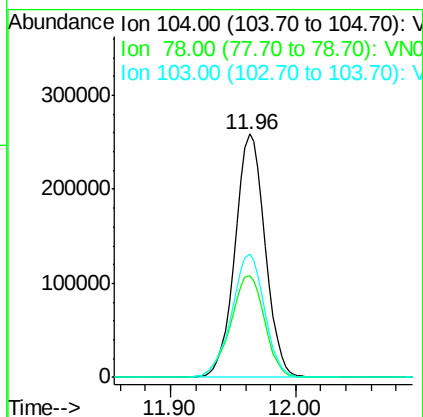
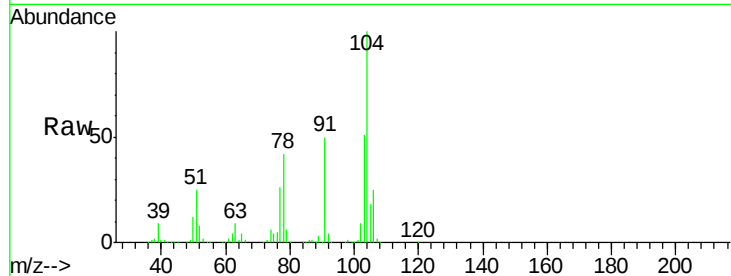
#69
Stvrene
Concen: 19.203 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	431243		
78	47.1	39.3	58.9	
103	55.2	44.6	66.8	

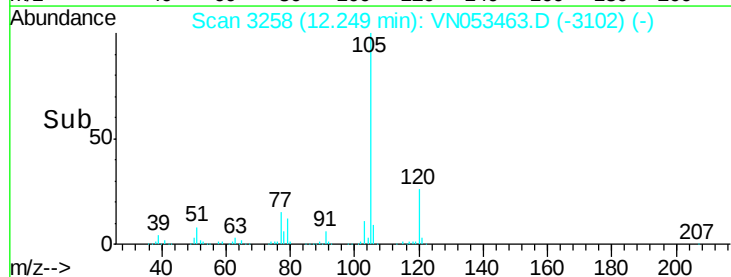
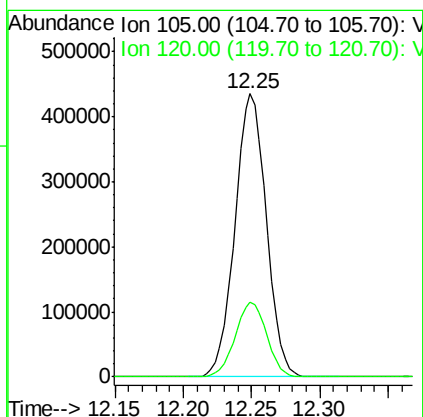
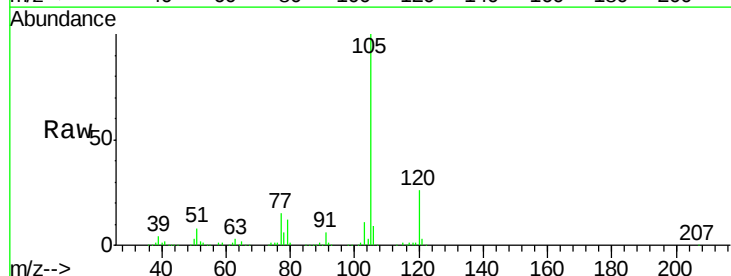
Manual Integrations
APPROVED

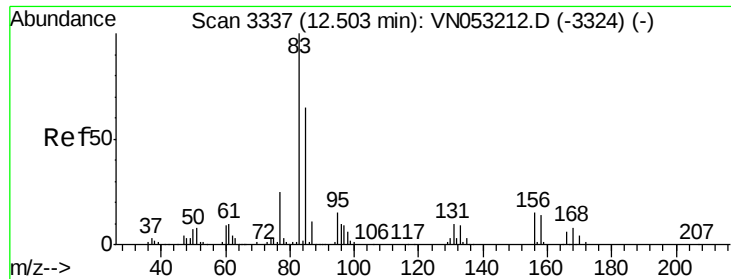
MMDadoda
1/21/2019 10:46:34 AM



#70
Isopropylbenzene
Concen: 19.156 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	693418		
120	26.5	18.6	34.6	





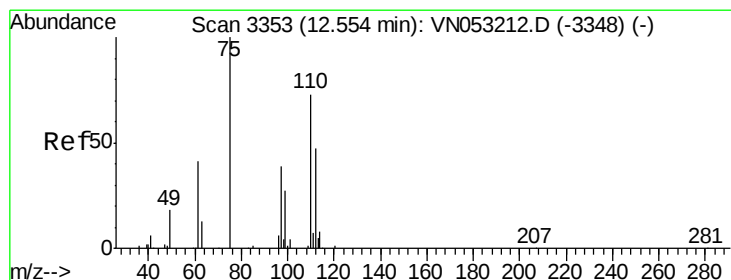
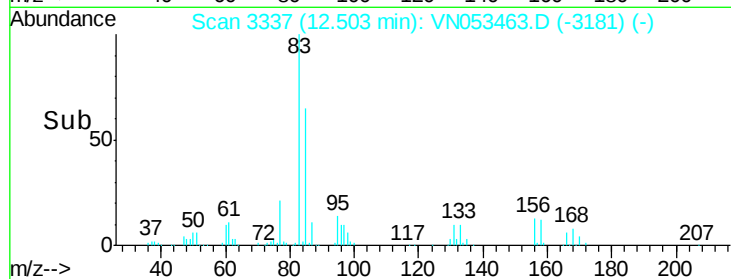
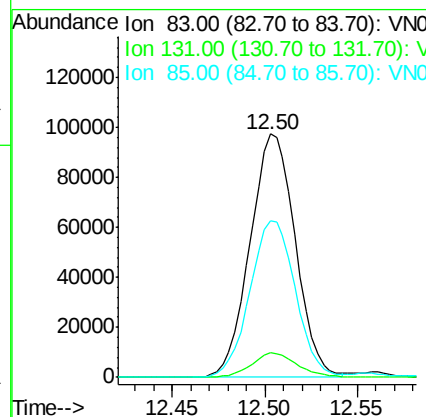
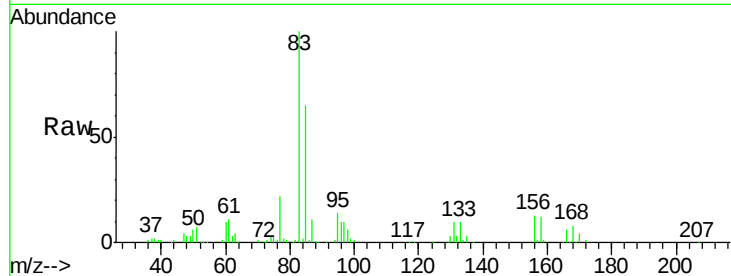
#71
 1,1,2,2-Tetrachloroethane
 Concen: 21.646 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	164938		
131	10.1	4.9	14.6	
85	64.7	32.2	96.6	

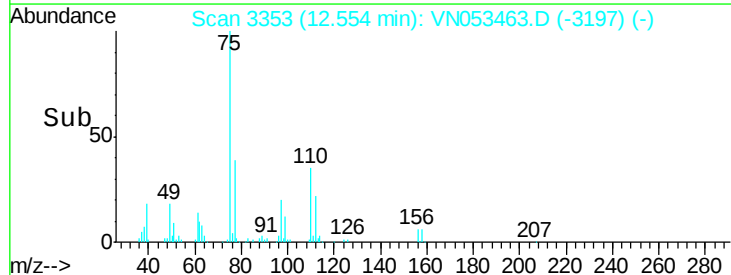
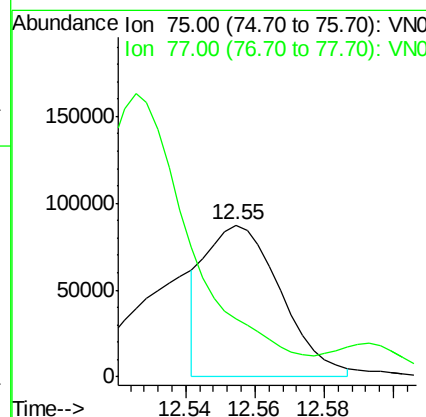
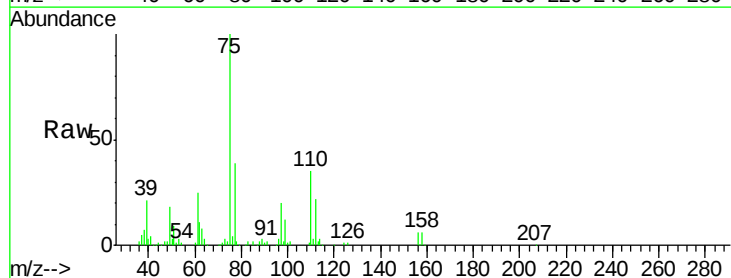
Manual Integrations
 APPROVED

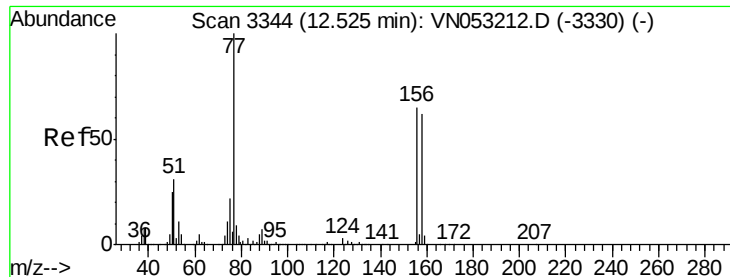
MMDadoda
 1/21/2019 10:46:34 AM



#72
 1,2,3-Trichloropropane
 Concen: 19.806 ug/l m
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	132162		
77	244.7	0.0	514.8	





#73

Bromobenzene

Concen: 19.726 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

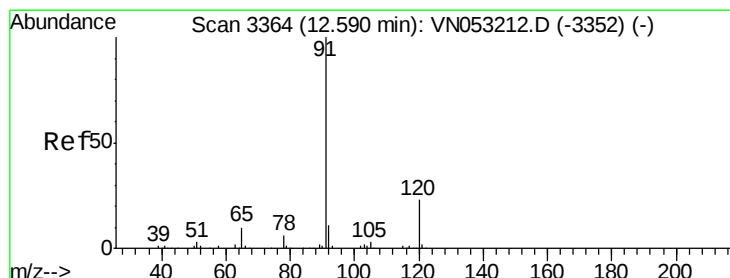
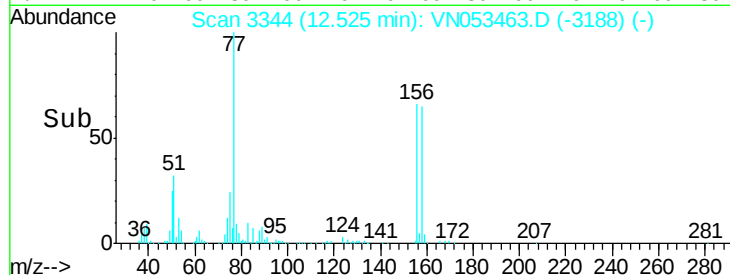
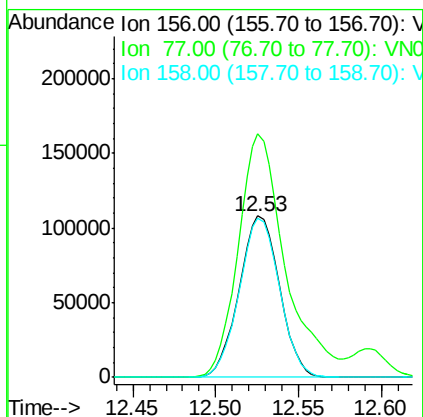
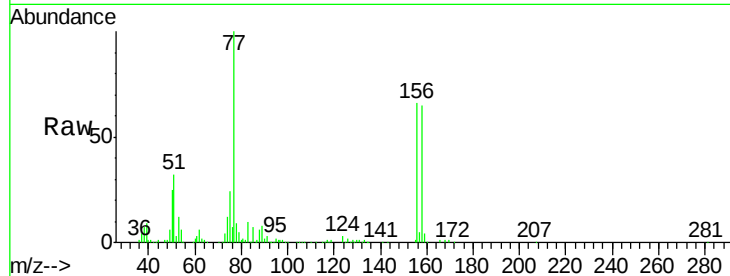
ClientSampled :

VN0118WBS01

Tot Ion:	156	Resp:	183543
Ion Ratio	Lower	Upper	
156	100		
77	176.2	0.0	382.6
158	98.3	0.0	196.8

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:46:34 AM



#74

n-propylbenzene

Concen: 19.531 ug/l

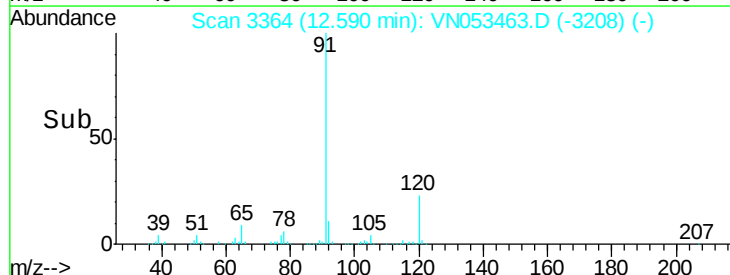
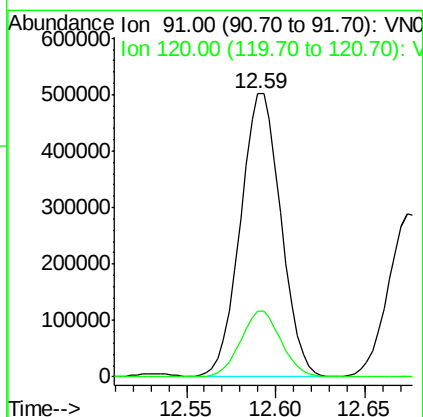
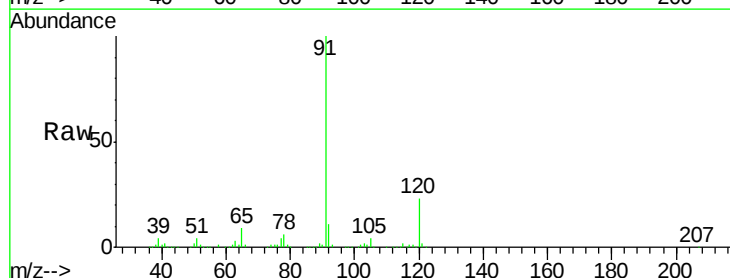
RT: 12.59 min Scan# 3364

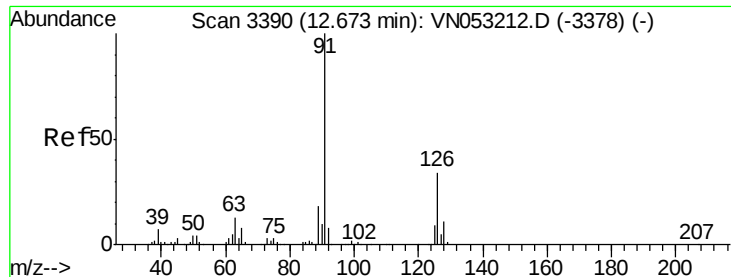
Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion:	91	Resp:	800311
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	44.6





#75

2-Chlorotoluene

Concen: 19.606 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

ClientSampleId :

VN0118WBS01

Tot Ion: 91 Resp: 475795

Ion Ratio Lower Upper

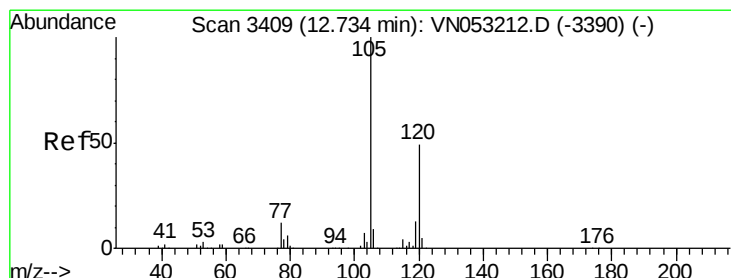
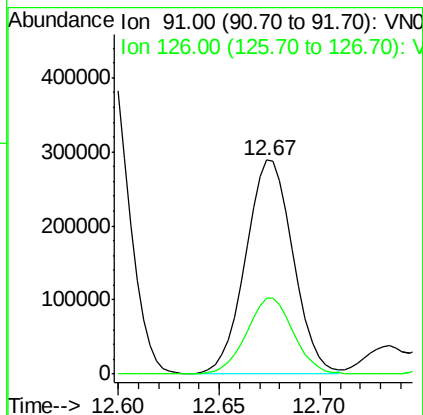
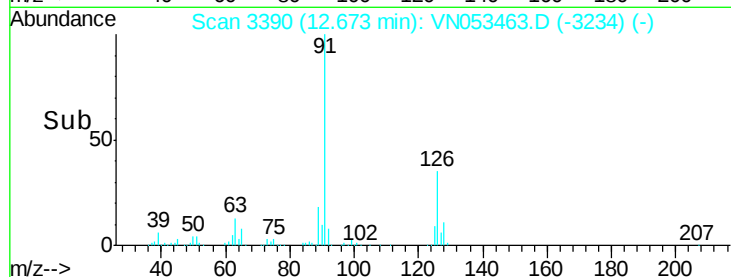
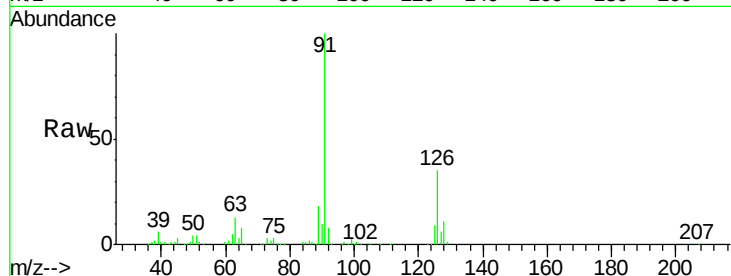
91 100

126 35.2 0.0 68.4

Manual Integrations
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MMDadoda

1/21/2019 10:46:34 AM



#76

1,3,5-Trimethylbenzene

Concen: 19.821 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053463.D

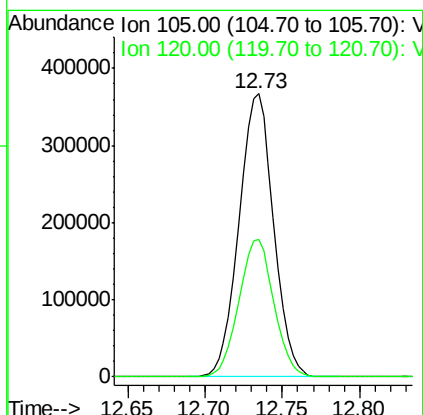
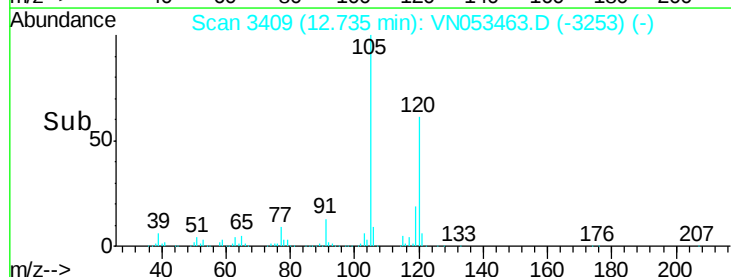
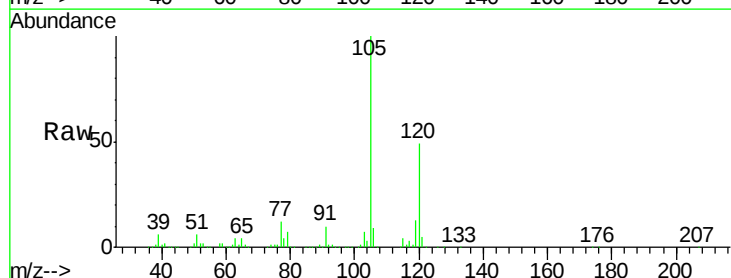
Acq: 18 Jan 2019 10:54

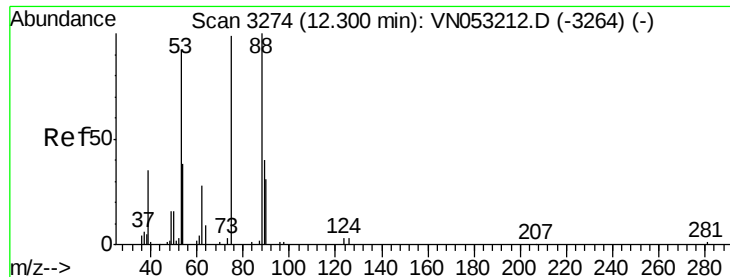
Tgt Ion: 105 Resp: 569149

Ion Ratio Lower Upper

105 100

120 49.2 0.0 97.4





#77

t-1,4-Dichloro-2-butene

Concen: 19.334 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

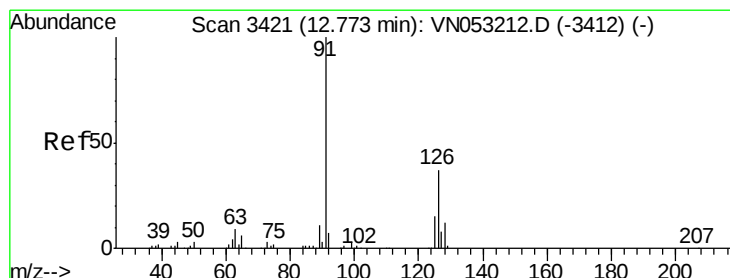
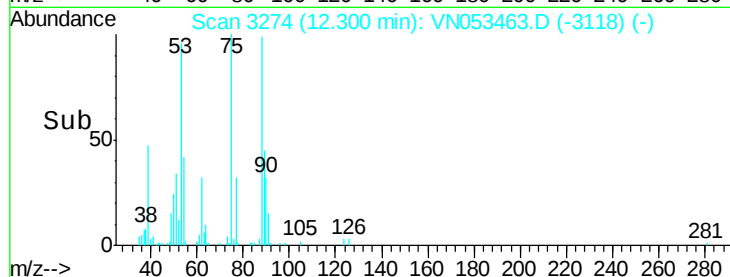
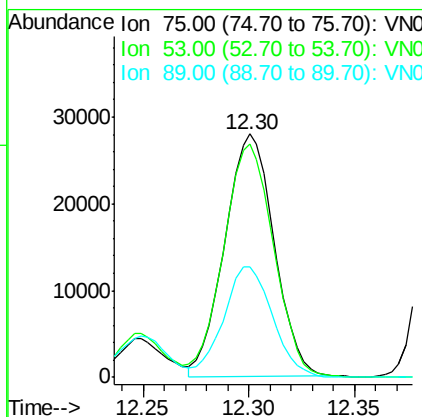
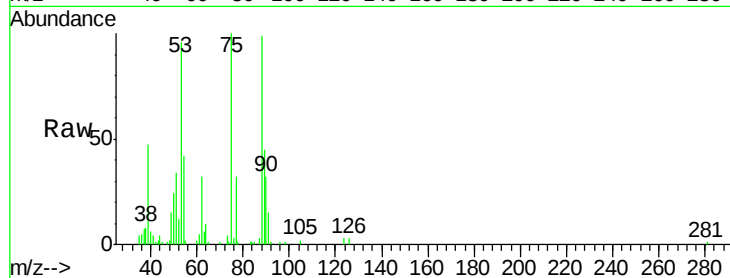
ClientSampled :

VN0118WBS01

Tot Ion:	75	Resp:	45329
Ion	Ratio	Lower	Upper
75	100		
53	95.6	48.5	145.6
89	45.7	21.7	65.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 19.297 ug/l

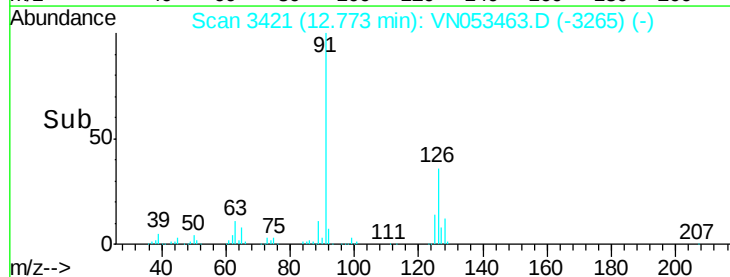
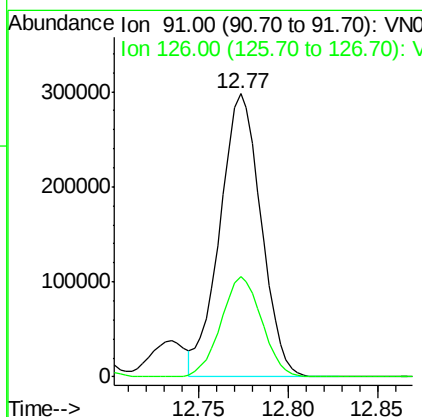
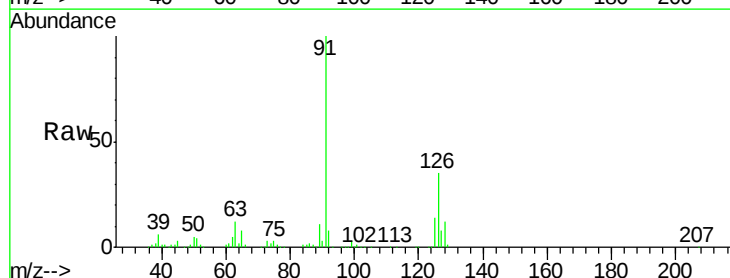
RT: 12.77 min Scan# 3421

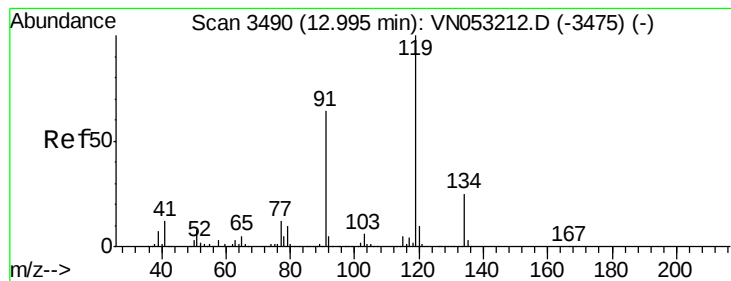
Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion:	91	Resp:	476693
Ion	Ratio	Lower	Upper
91	100		
126	35.0	0.0	68.2





#79

tert-butylbenzene

Concen: 19.892 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

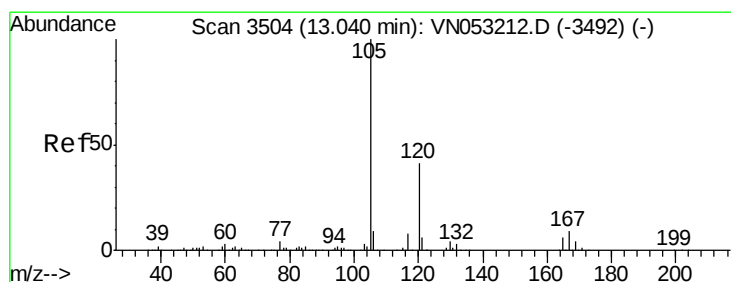
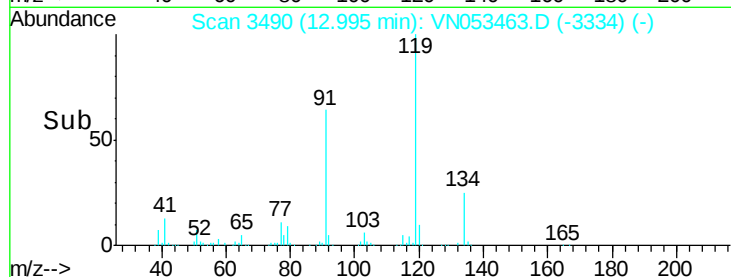
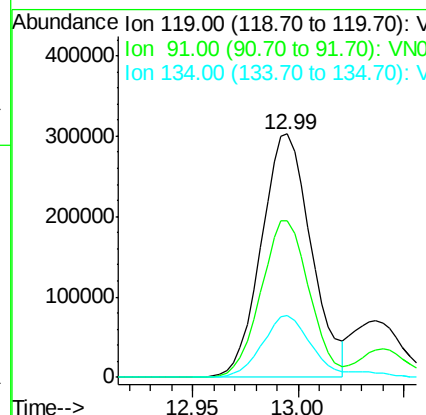
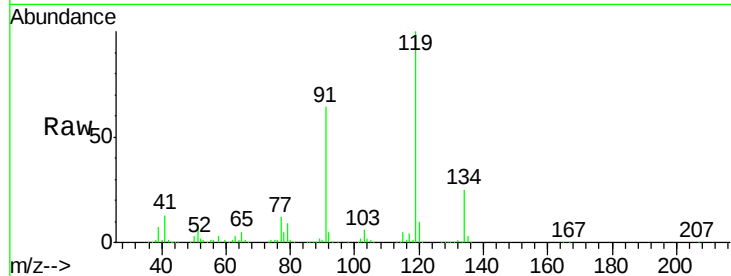
ClientSampled :

VN0118WBS01

Tot Ion:	119	Resp:	498132
Ion Ratio	Lower	Upper	
119	100		
91	62.4	0.0	129.8
134	26.2	0.0	52.2

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 20.284 ug/l

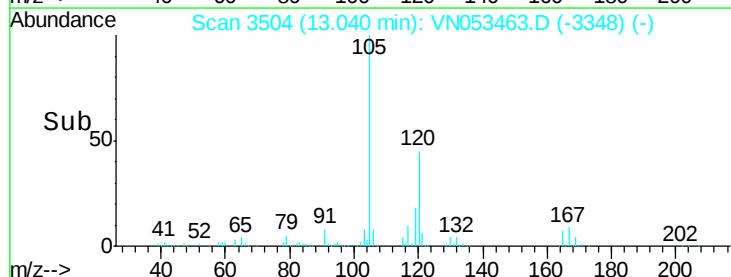
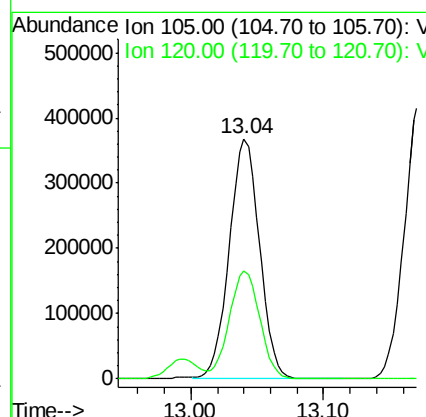
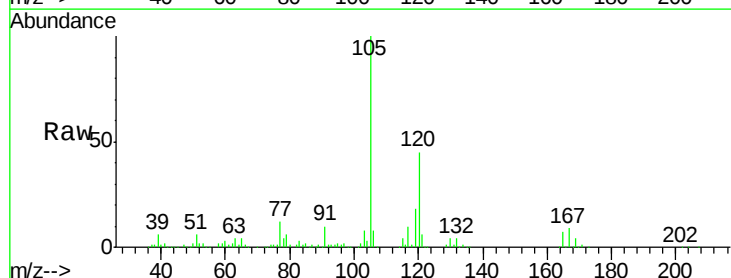
RT: 13.04 min Scan# 3504

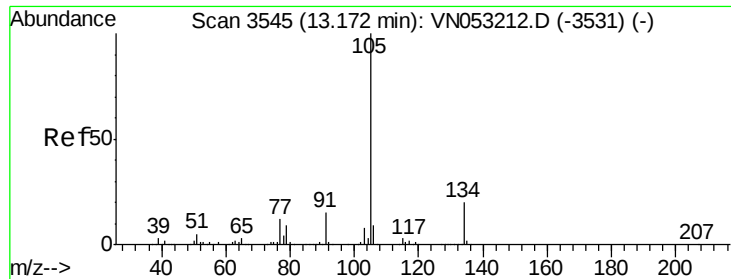
Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion:	105	Resp:	583760
Ion Ratio	Lower	Upper	
105	100		
120	45.4	0.0	91.0





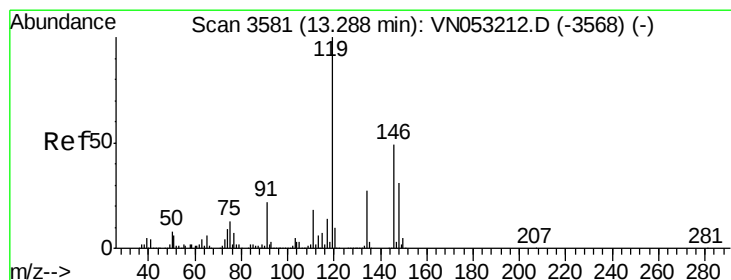
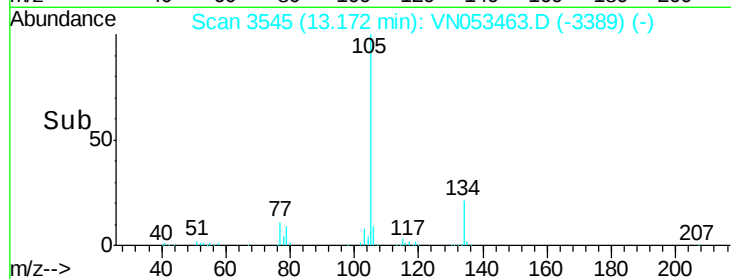
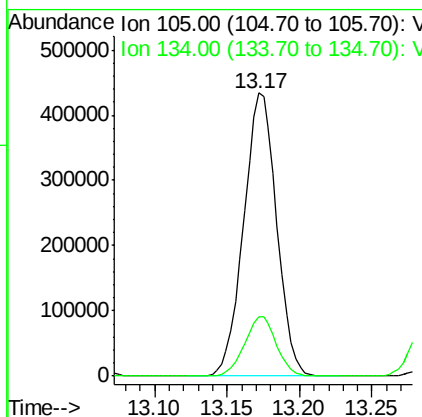
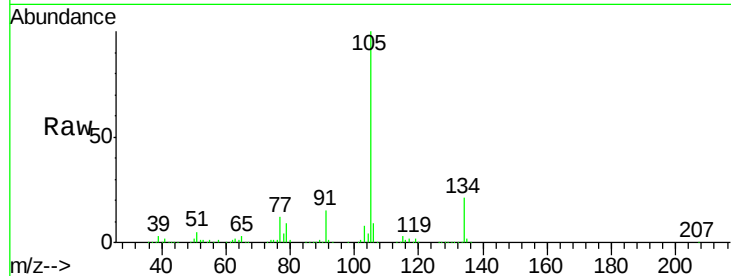
#81
 sec-Butylbenzene
 Concen: 20.651 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	684818		
134	20.5	0.0	40.4	

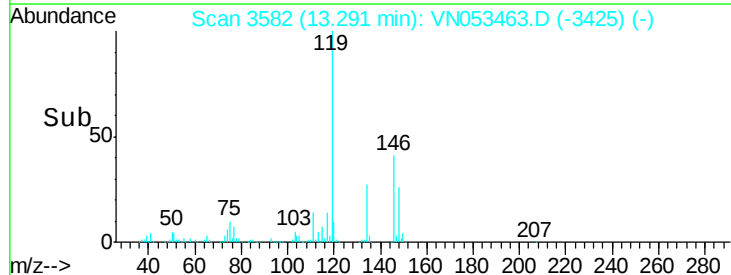
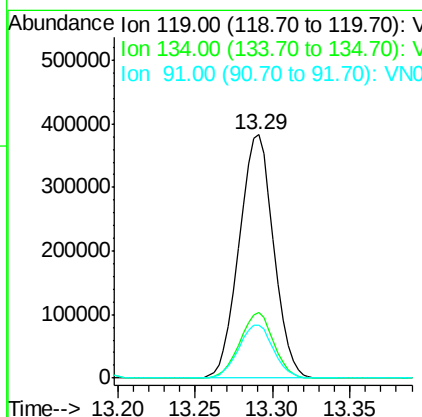
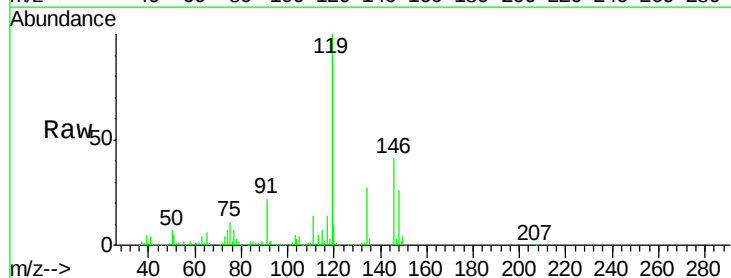
Manual Integrations
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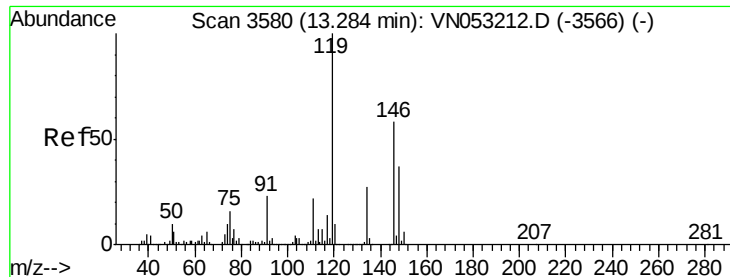
MMDadoda
 1/21/2019 10:46:34 AM



#82
 p-Isopropyltoluene
 Concen: 20.637 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	591352		
134	26.5	0.0	52.6	
91	22.1	0.0	46.2	





#83

1,3-Dichlorobenzene

Concen: 20.356 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Instrument :

MSVOA_N

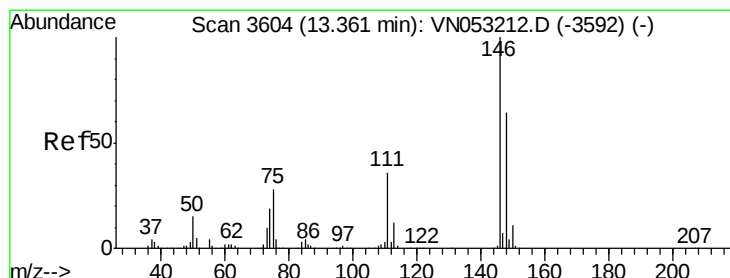
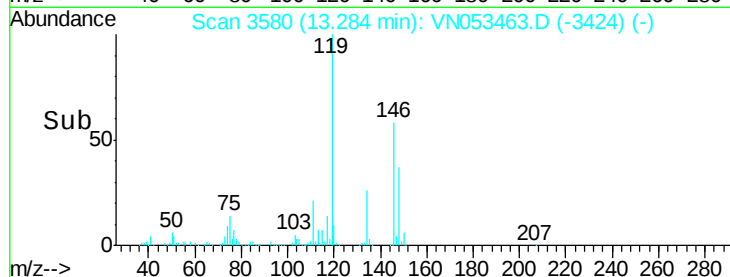
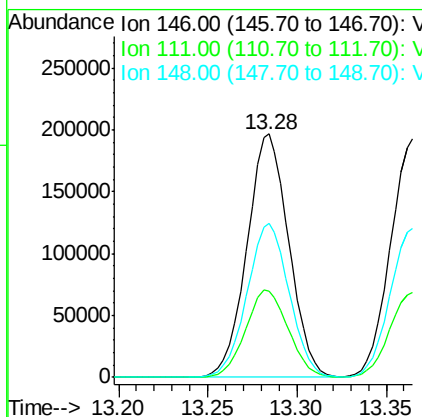
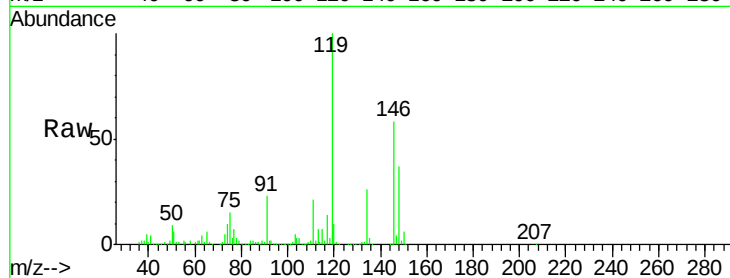
ClientSampled :

VN0118WBS01

Tot Ion:	146	Resp:	322501
Ion Ratio	Lower	Upper	
146	100		
111	36.8	19.7	59.0
148	63.7	32.3	96.8

Manual Integrations
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#84

1,4-Dichlorobenzene

Concen: 20.350 ug/l

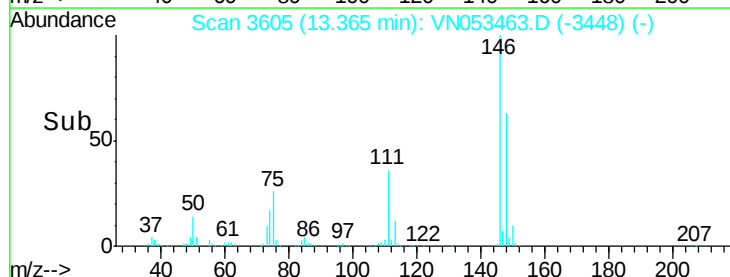
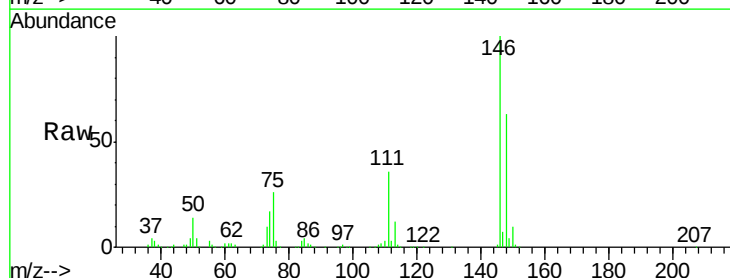
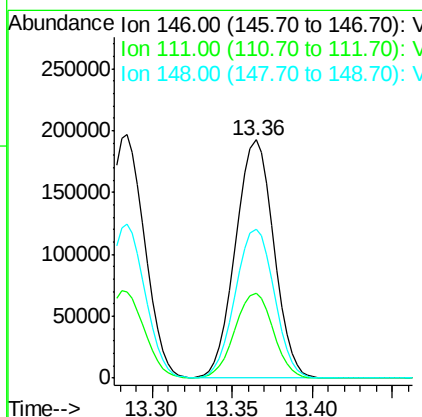
RT: 13.36 min Scan# 3605

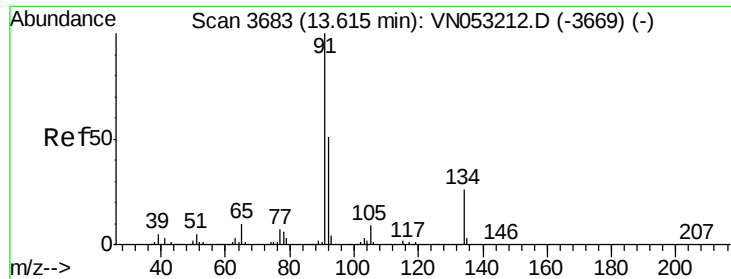
Delta R.T. 0.00 min

Lab File: VN053463.D

Acq: 18 Jan 2019 10:54

Tgt Ion:	146	Resp:	314264
Ion Ratio	Lower	Upper	
146	100		
111	35.8	18.8	56.3
148	63.7	32.5	97.4





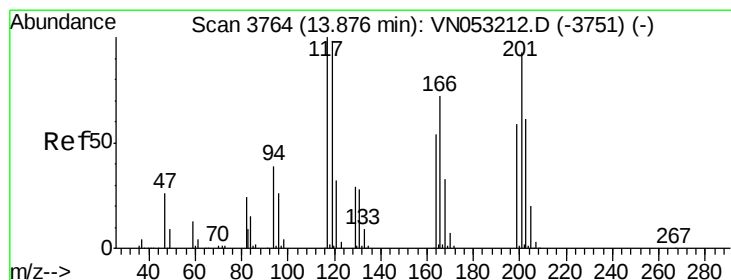
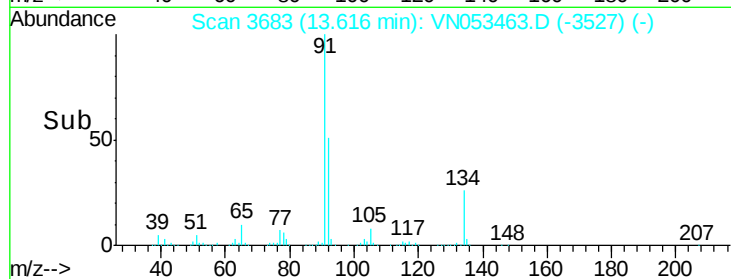
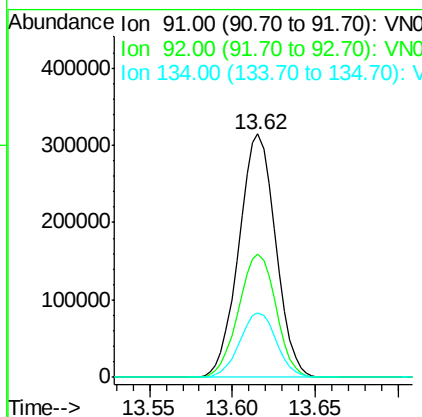
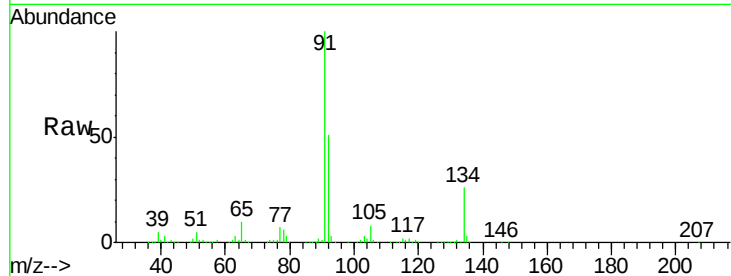
#85
n-Butylbenzene
Concen: 20.822 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampled :
VN0118WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	0.0	104.2
134	26.5	0.0	50.6

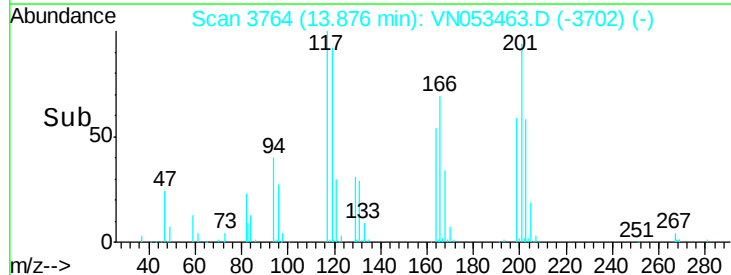
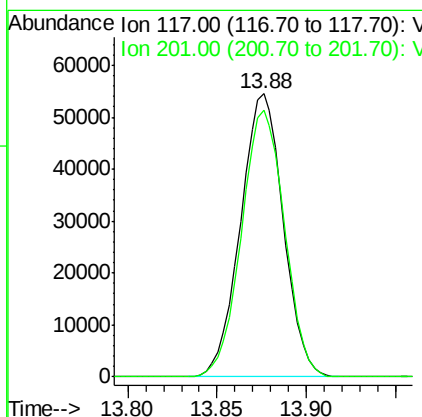
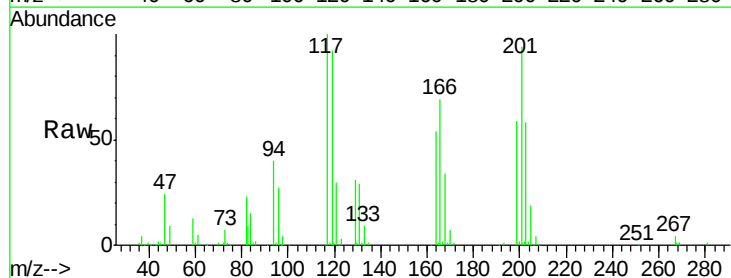
Manual Integrations
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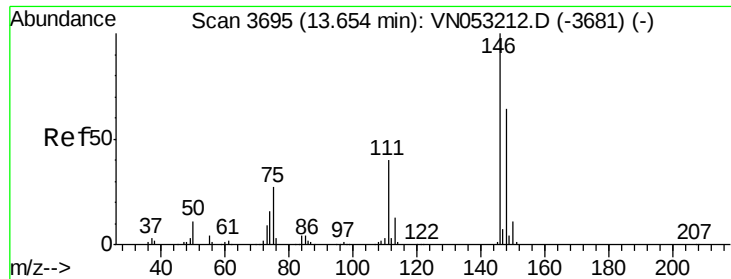
MMDadoda
1/21/2019 10:46:34 AM



#86
Hexachloroethane
Concen: 19.944 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	94.7	43.8	131.3





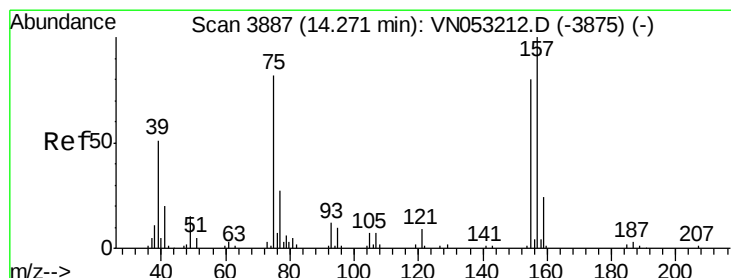
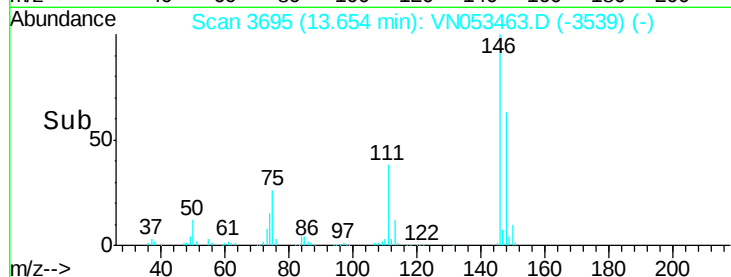
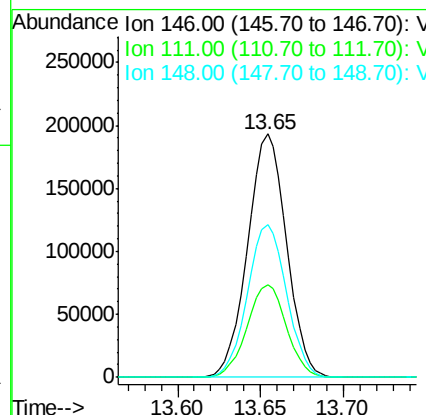
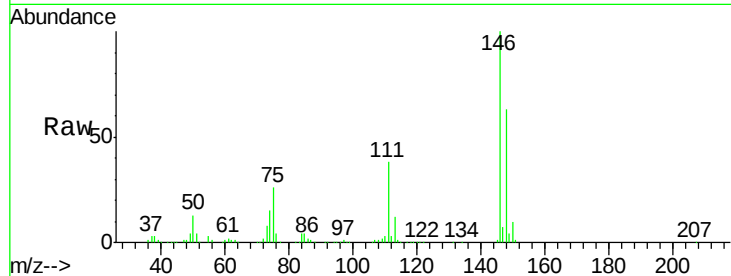
#87
 1,2-Dichlorobenzene
 Concen: 21.418 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.3	60.8
148	63.3	32.1	96.5

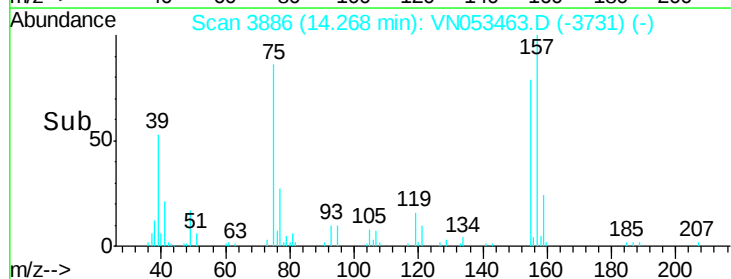
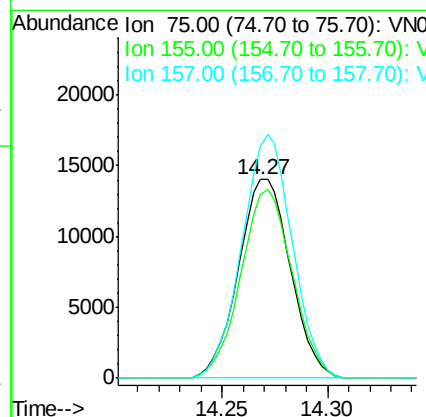
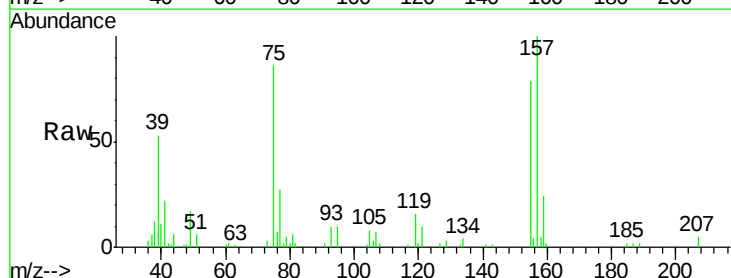
Manual Integrations
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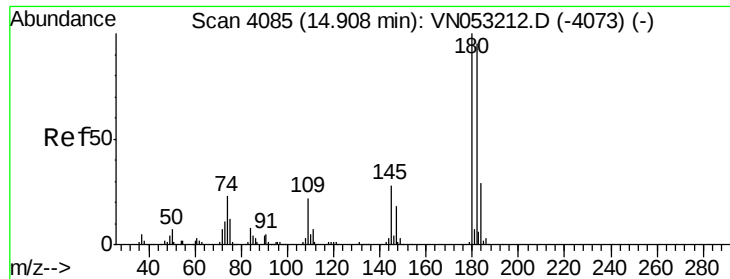
MMDadoda
 1/21/2019 10:46:34 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 22.057 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	72.2	108.2
157	118.9	94.2	141.2





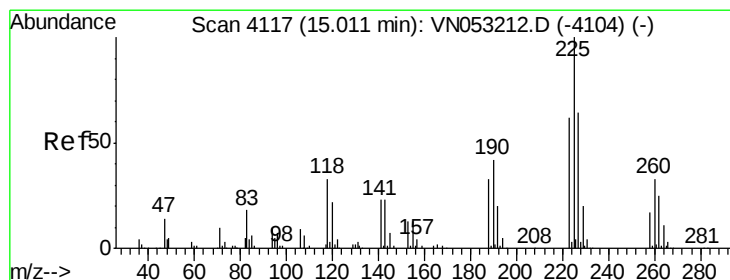
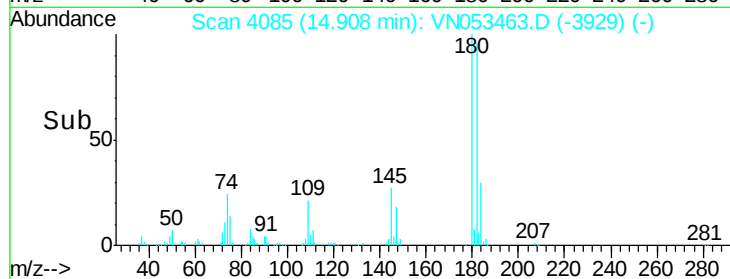
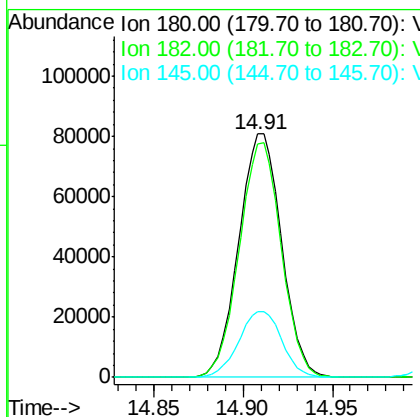
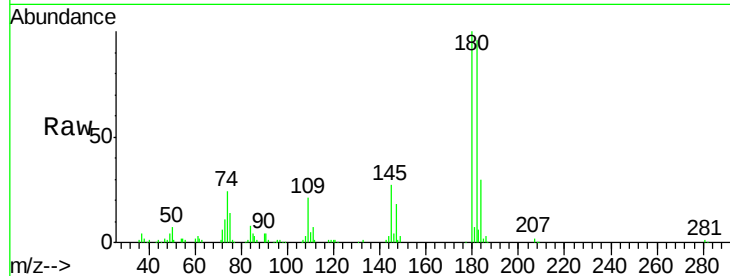
#89
 1,2,4-Trichlorobenzene
 Concen: 18.876 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0118WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	76.6	114.8
145	27.3	23.6	35.4

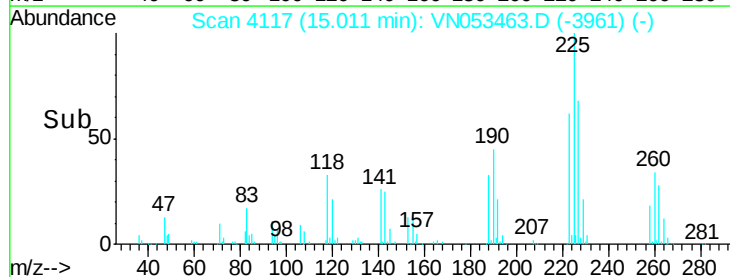
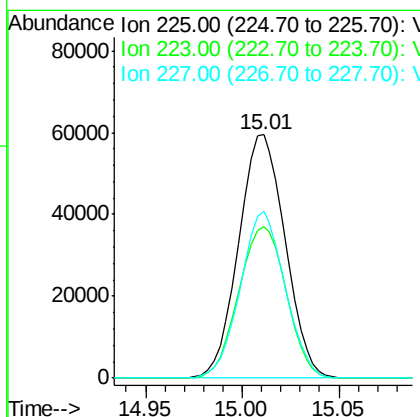
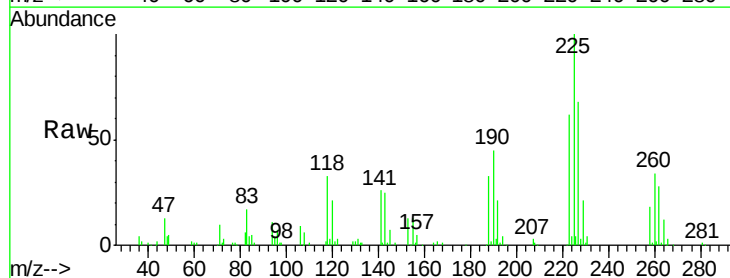
Manual Integrations
 APPROVED

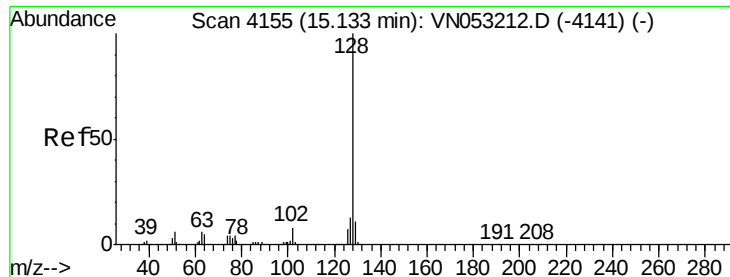
MMDadoda
 1/21/2019 10:46:34 AM



#90
 Hexachlorobutadiene
 Concen: 23.016 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN053463.D
 Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.6	0.0	125.6
227	65.9	0.0	127.8





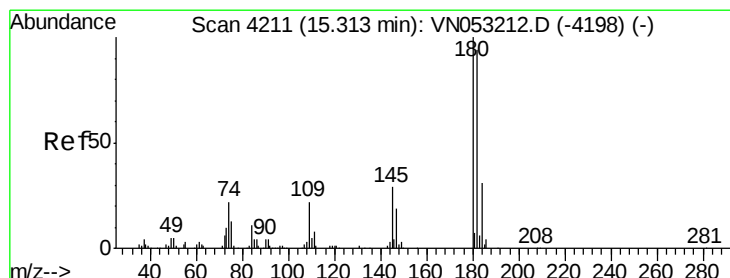
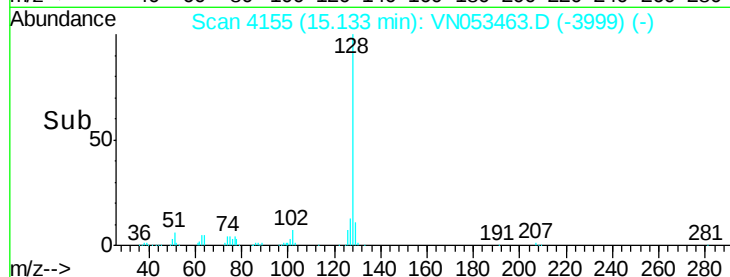
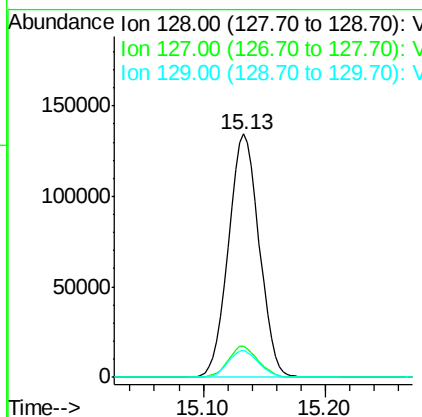
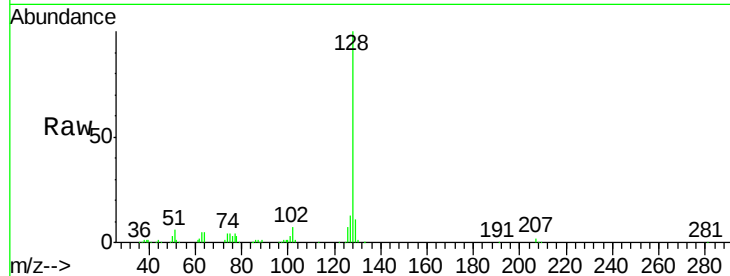
#91
Naphthalene
Concen: 15.582 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Instrument :
MSVOA_N
ClientSampleId :
VN0118WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	236222		
127	12.6		9.9	14.9
129	10.9		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/21/2019 10:46:34 AM



#92
1,2,3-Trichlorobenzene
Concen: 15.926 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN053463.D
Acq: 18 Jan 2019 10:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	101524		
182	97.1		0.0	196.2
145	29.0		0.0	62.2

