

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
 Data File : VN055263.D
 Acq On : 26 Apr 2019 00:19
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDCCC020EC

Manual Integrations
 APPROVED

MMdadoda
 4/26/2019 10:58:33 AM

Quant Time: Apr 26 05:51:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N042619W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Apr 26 05:19:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	68461	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	374140	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	313982	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	160554	29.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.03%
60) 4-Bromofluorobenzene	12.40	95	141290	29.32	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.73%
63) Toluene-d8	10.09	98	460584	30.87	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.90%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	71759	19.219	ug/l 100
3) Chloromethane	2.06	50	102655	19.660	ug/l 97
4) Vinyl Chloride	2.19	62	86822	20.402	ug/l 98
5) Bromomethane	2.56	94	48933	20.639	ug/l 97
6) Chloroethane	2.70	64	48344	20.392	ug/l 97
7) Trichlorofluoromethane	3.02	101	127188	20.330	ug/l 93
8) Diethyl Ether	3.41	74	50976	20.072	ug/l 90
9) 1,1,2-Trichlorotrifluoroet	3.76	101	76709	19.264	ug/l 98
10) 1,1-Dichloroethene	3.74	96	72111	19.452	ug/l 99
11) Methyl Iodide	3.96	142	112585	19.312	ug/l 98
12) Methyl Acetate	4.33	43	103921	19.314	ug/l 96
13) Acrolein	3.61	56	21219	88.649	ug/l 94
14) Acrylonitrile	4.99	53	183486	96.006	ug/l 99
15) Acetone	3.82	58	39264	85.278	ug/l 90
16) Carbon Disulfide	4.06	76	190720	18.928	ug/l 99
17) Allyl chloride	4.33	41	153694	19.252	ug/l 98
18) Methylene Chloride	4.55	84	93844	20.390	ug/l 96
19) trans-1,2-Dichloroethene	5.05	96	78712	19.488	ug/l 95
20) Diisopropyl ether	5.96	45	325615	20.006	ug/l 98
21) 1,1-Dichloroethane	5.85	63	172015	20.338	ug/l 99
22) cis-1,2-Dichloroethene	6.83	96	93649	20.014	ug/l 98
23) tert-Butyl Alcohol	4.79	59	34625	88.739	ug/l # 100
24) Methyl tert-Butyl Ether	5.05	73	237792	19.684	ug/l 99
25) Chloroform	7.37	83	165124	20.776	ug/l 98
26) Cyclohexane	7.65	56	143298	19.508	ug/l # 97
29) 1,1-Dichloropropene	7.80	75	115383	19.459	ug/l 99
30) 2-Butanone	6.84	43	213204	88.725	ug/l 100
31) 2,2-Dichloropropane	6.82	77	91874	16.359	ug/l 98
32) 1,1,1-Trichloroethane	7.57	97	129355	19.625	ug/l 99
33) Carbon Tetrachloride	7.77	117	107618	19.581	ug/l 95
34) Benzene	8.04	78	354571	19.974	ug/l 99
35) Methacrylonitrile	7.17	41	55452	20.009	ug/l 96
36) 1,2-Dichloroethane	8.13	62	126538	19.982	ug/l 100
37) Trichloroethene	8.84	130	86163	19.232	ug/l 97
38) Methylcyclohexane	9.08	83	116391	18.347	ug/l 99
39) 1,2-Dichloropropane	9.12	63	103720	20.411	ug/l 96
40) Dibromomethane	9.21	93	59015	20.043	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	118774	19.835	ug/l	94
42) Vinyl Acetate	5.90	43	1073000	93.246	ug/l	100
43) Ethyl Acetate	6.93	43	93728	18.821	ug/l	95
44) Isopropyl Acetate	8.17	43	168267	18.362	ug/l	95
45) 1,4-Dioxane	9.20	88	17752	373.783	ug/l	96
46) Methyl methacrylate	9.20	41	76595	17.752	ug/l	97
47) n-amyl Acetate	12.07	43	101978	15.643	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	102920	17.467	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	128251	18.762	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	80062	19.948	ug/l	97
51) Ethyl methacrylate	10.43	69	96724	17.727	ug/l	99
52) 1,3-Dichloropropane	10.71	76	134555	18.935	ug/l	99
53) Dibromochloromethane	10.90	129	75844	18.273	ug/l	97
54) 1,2-Dibromoethane	11.01	107	74067	19.021	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	140691	85.547	ug/l	99
56) Bromoform	12.13	173	47978	17.637	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	462433	94.339	ug/l	99
59) 2-Hexanone	10.75	43	278703	88.816	ug/l	100
61) Tetrachloroethene	10.63	164	86280	21.177	ug/l	96
62) Toluene	10.16	91	362256	20.392	ug/l	98
64) Chlorobenzene	11.43	112	213332	20.270	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	80015	20.381	ug/l	100
66) Ethyl Benzene	11.51	91	373855	19.800	ug/l	99
67) m/p-Xylenes	11.62	106	273798	39.599	ug/l	98
68) o-Xylene	11.95	106	139015	20.145	ug/l	93
69) Styrene	11.96	104	207240	19.386	ug/l	99
70) Isopropylbenzene	12.25	105	366110	20.155	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	97937	19.562	ug/l	96
72) 1,2,3-Trichloropropane	12.55	75	77482m	17.853	ug/l	
73) Bromobenzene	12.53	156	82664	19.144	ug/l	100
74) n-propylbenzene	12.59	91	384580	18.971	ug/l	99
75) 2-Chlorotoluene	12.67	91	241421	19.415	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	280289	18.802	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	18444	15.967	ug/l	90
78) 4-Chlorotoluene	12.77	91	219812	18.595	ug/l	99
79) tert-butylbenzene	12.99	119	255983	19.936	ug/l	98
80) 1,2,4-Trimethylbenzene	13.04	105	272557	18.963	ug/l	100
81) sec-Butylbenzene	13.17	105	323716	19.071	ug/l	98
82) p-Isopropyltoluene	13.29	119	254054	18.043	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	127392	18.187	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	115789	17.514	ug/l	98
85) n-Butylbenzene	13.61	91	168561	15.701	ug/l	98
86) Hexachloroethane	13.88	117	43869	18.264	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	130395	18.604	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12319	16.810	ug/l	92
89) 1,2,4-Trichlorobenzene	14.91	180	37178	13.406	ug/l	98
90) Hexachlorobutadiene	15.01	225	41040	17.477	ug/l	97
91) Naphthalene	15.13	128	82817	12.923	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	40068	13.848	ug/l	97

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

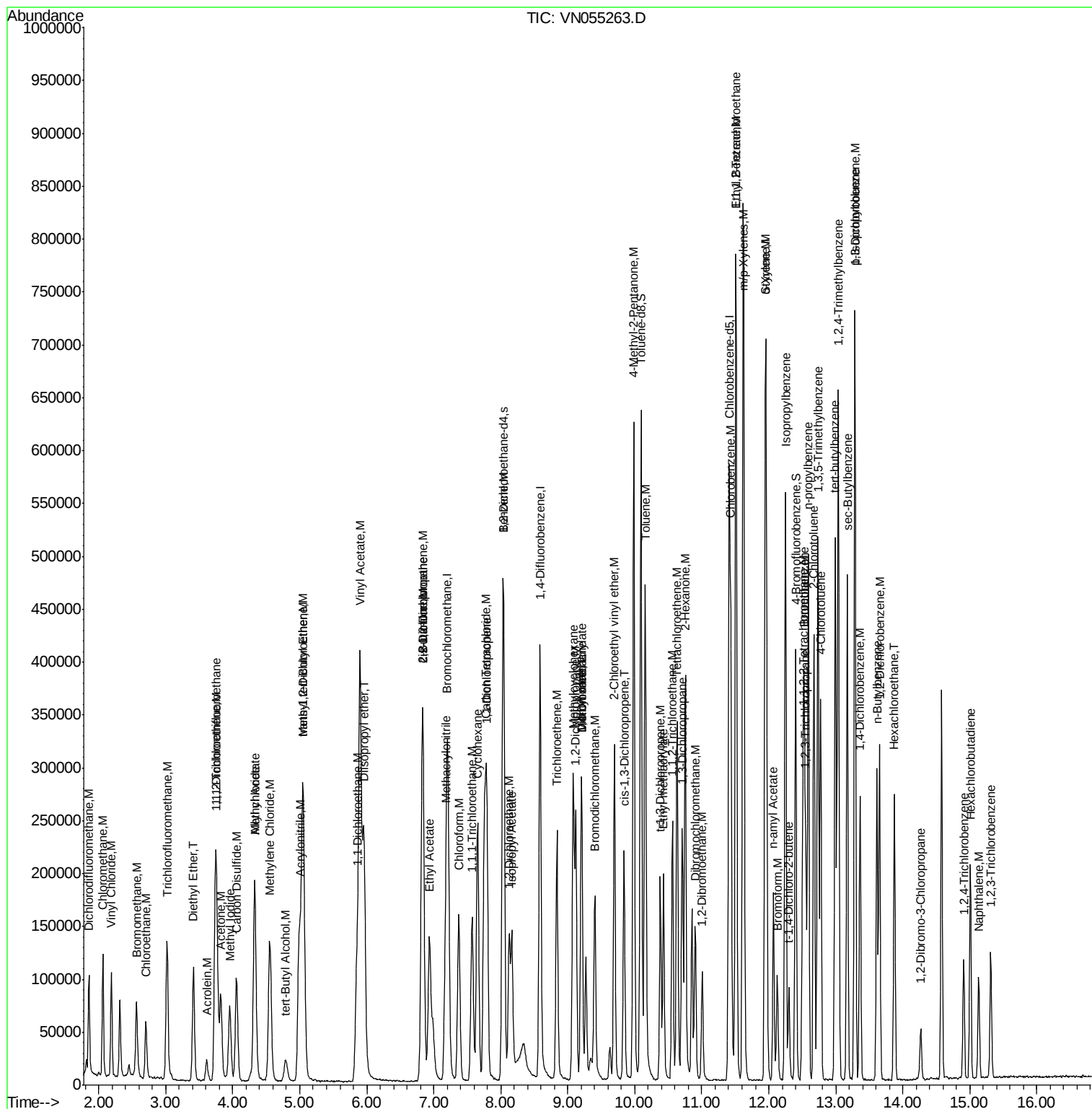
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042619\
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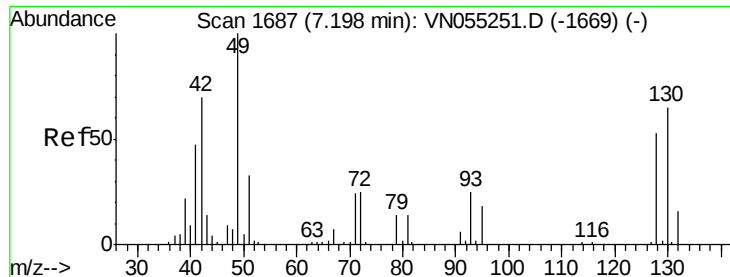
Instrument :
MSVOA_N
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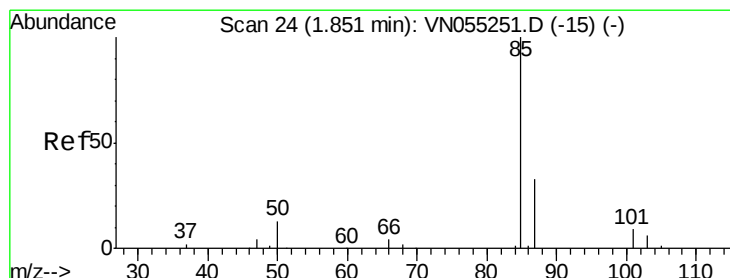
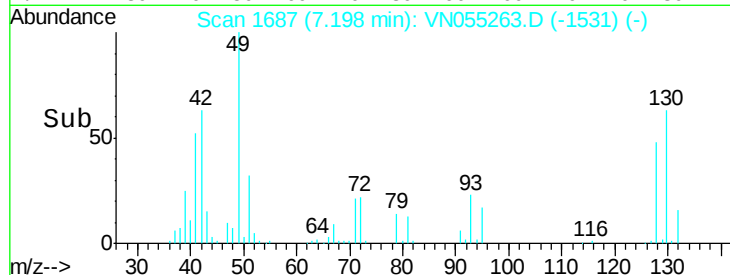
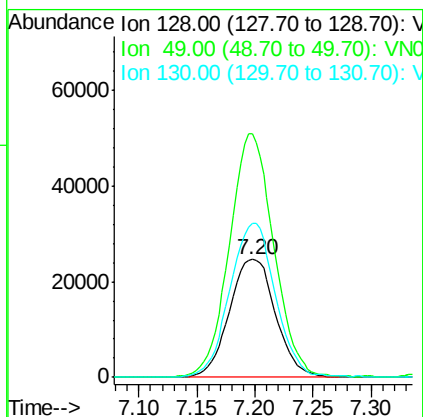
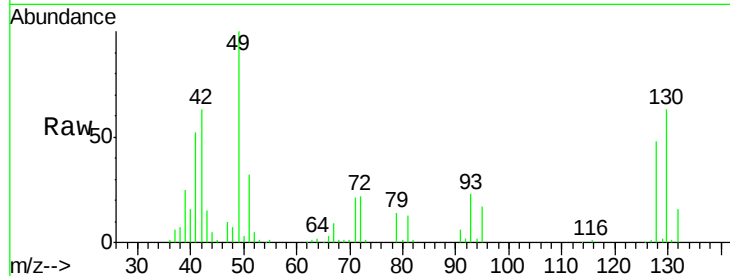
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 7.20 min Scan# 1687
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
49	198.3	0.0	485.0
130	127.9	0.0	324.7

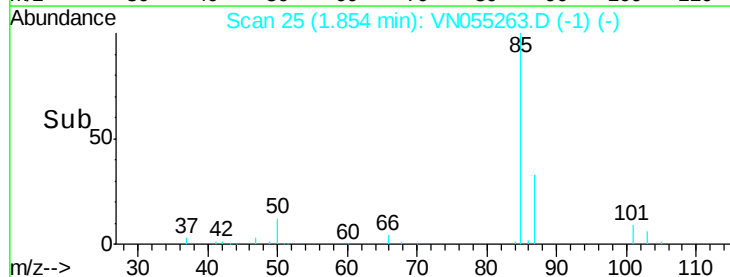
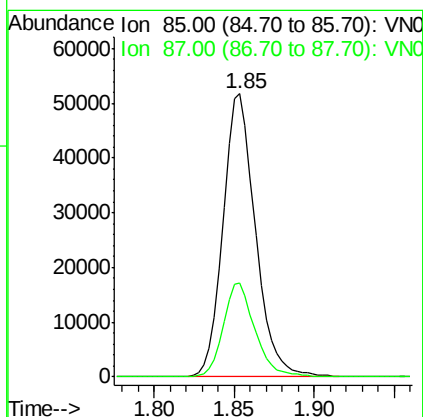
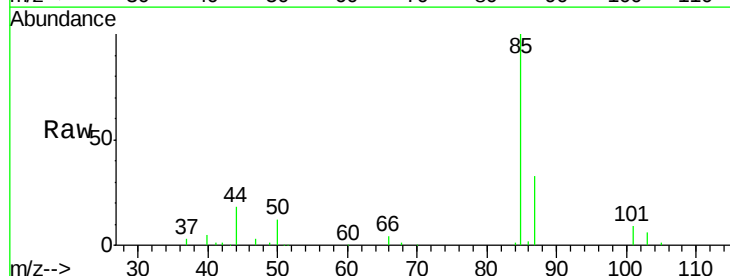
Manual Integrations
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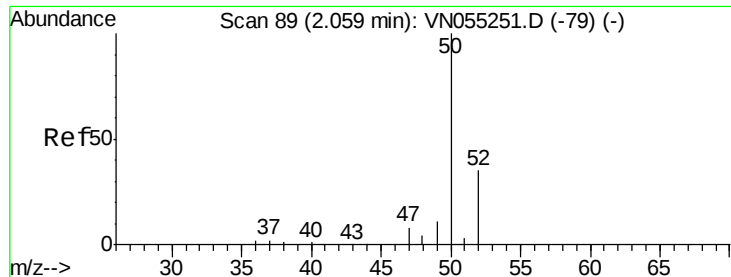
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#2
 Dichlorodifluoromethane
 Concen: 19.219 ug/l
 RT: 1.85 min Scan# 25
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.1	16.6	49.7





#3

Chloromethane

Concen: 19.660 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 50 Resp: 102655

Ion Ratio Lower Upper

50 100

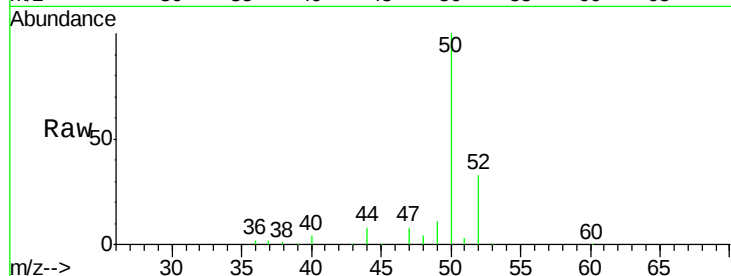
52 33.0 27.9 41.9

Manual Integrations

APPROVED

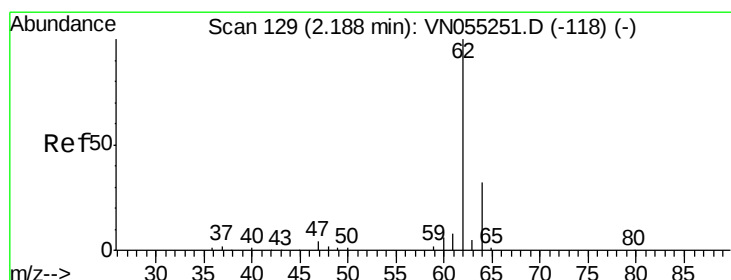
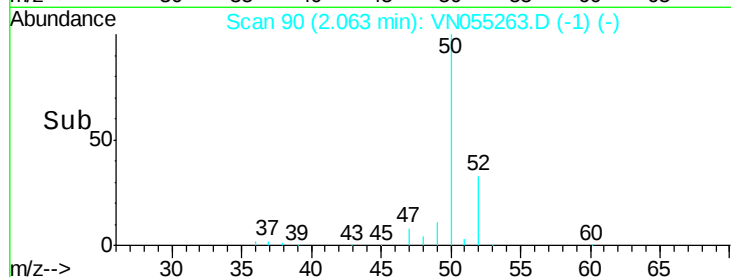
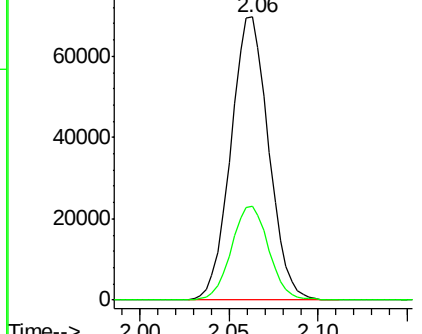
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Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 20.402 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055263.D

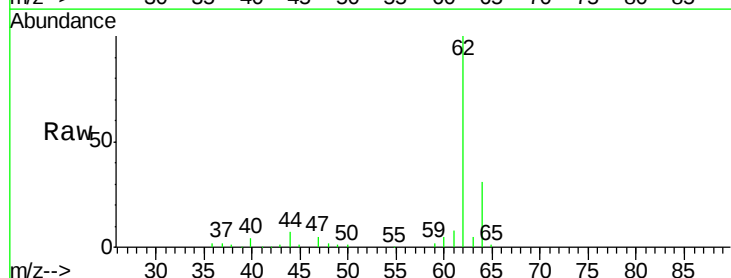
Acq: 26 Apr 2019 00:19

Tgt Ion: 62 Resp: 86822

Ion Ratio Lower Upper

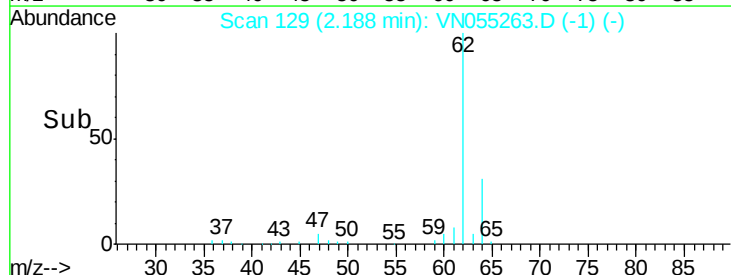
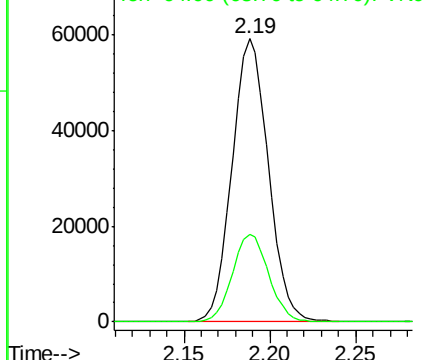
62 100

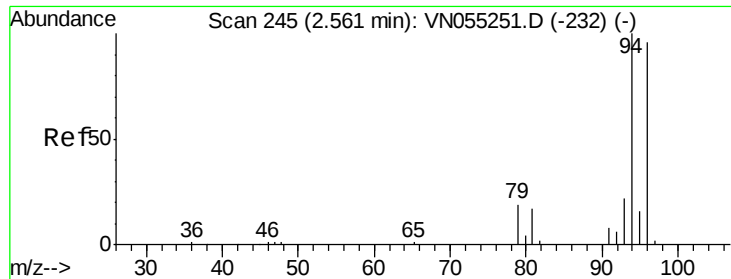
64 31.1 25.6 38.4



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 20.639 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 94 Resp: 48933

Ion Ratio Lower Upper

94 100

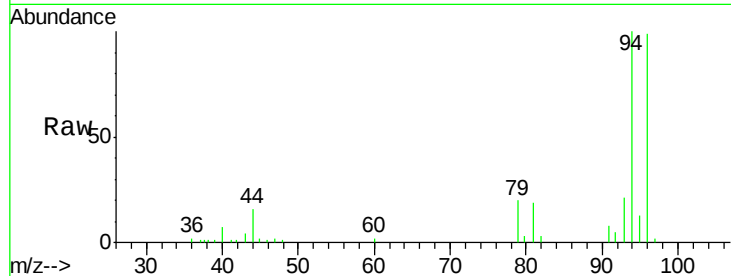
96 98.8 77.0 115.6

Manual Integrations

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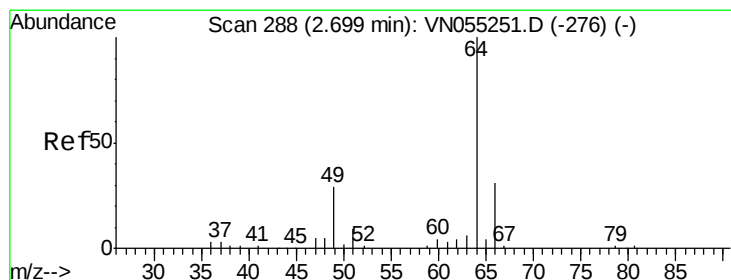
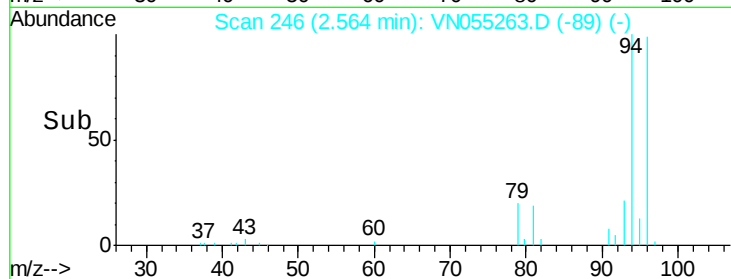
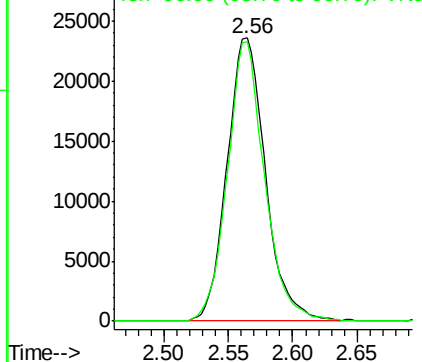
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Abundance Ion 94.00 (93.70 to 94.70): VNO

Ion 96.00 (95.70 to 96.70): VNO



#6

Chloroethane

Concen: 20.392 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055263.D

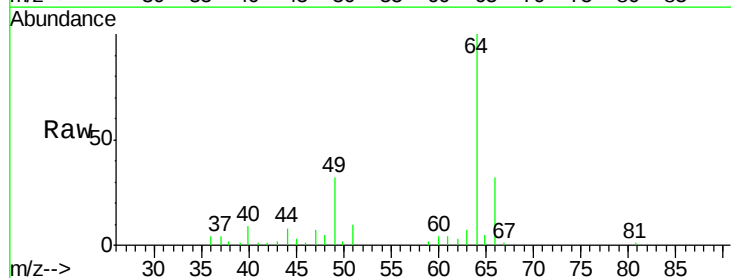
Acq: 26 Apr 2019 00:19

Tgt Ion: 64 Resp: 48344

Ion Ratio Lower Upper

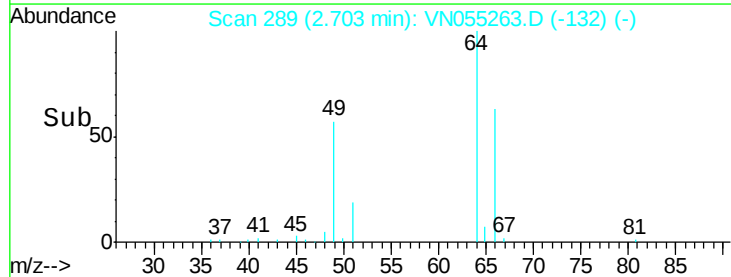
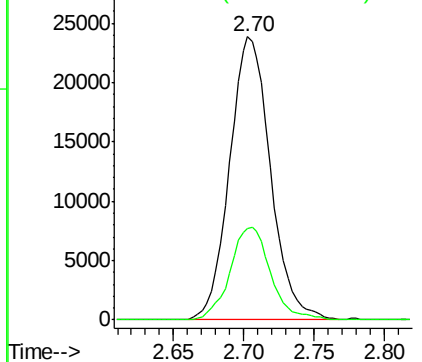
64 100

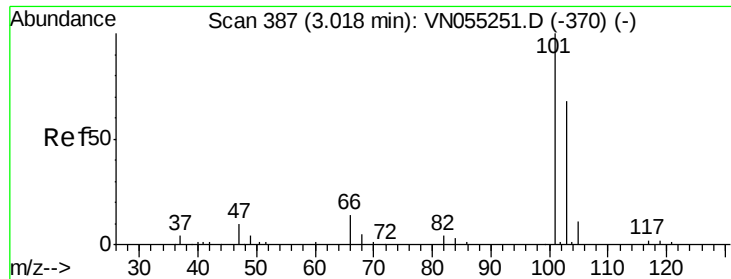
66 32.3 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VNO

Ion 66.00 (65.70 to 66.70): VNO





#7

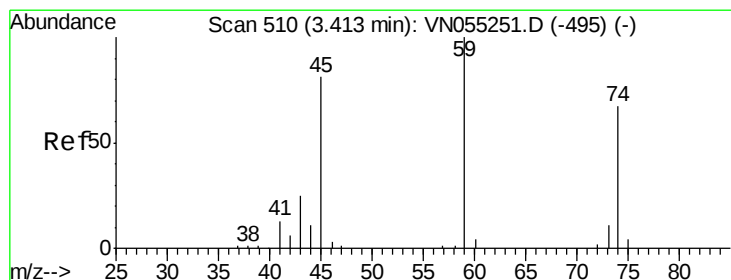
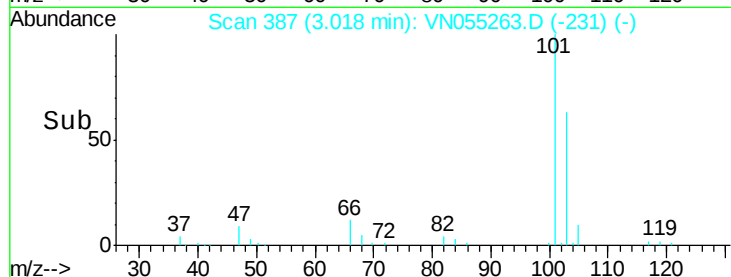
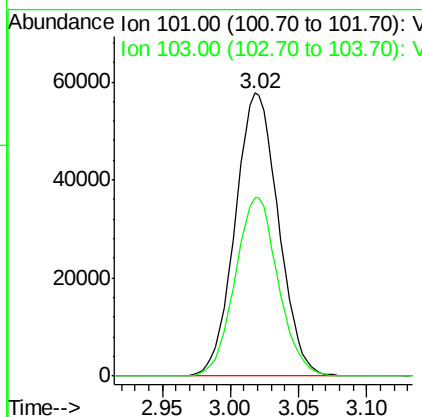
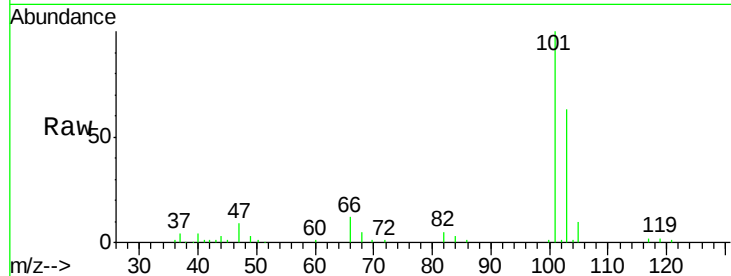
Trichlorofluoromethane
Concen: 20.330 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	54.6	81.8

Manual Integrations
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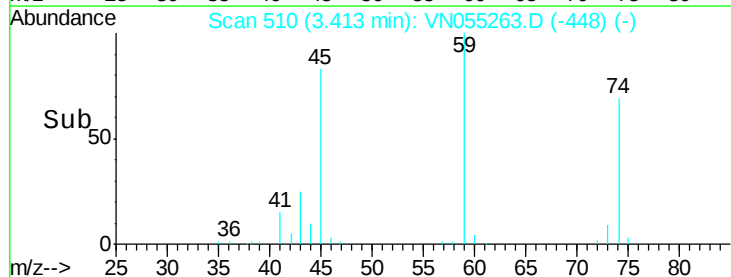
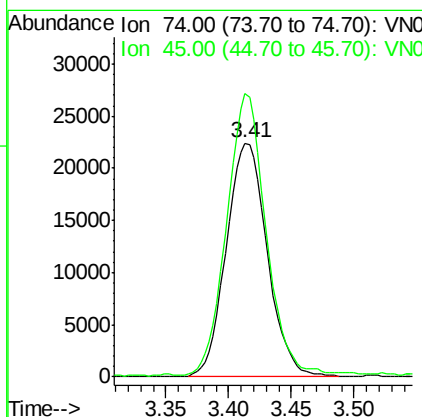
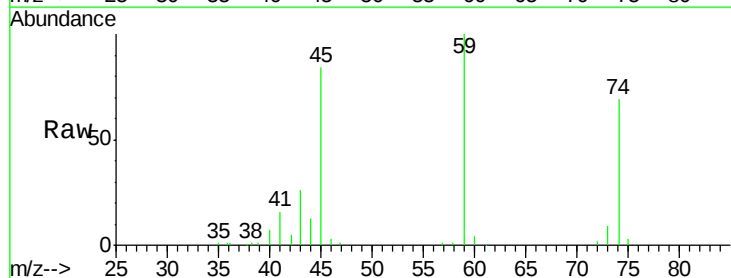
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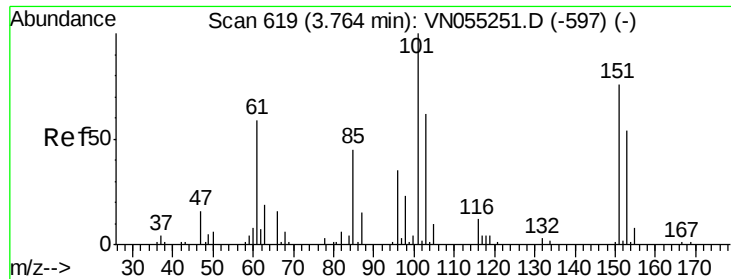


#8

Diethyl Ether
Concen: 20.072 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	113.5	25.1	225.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.264 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

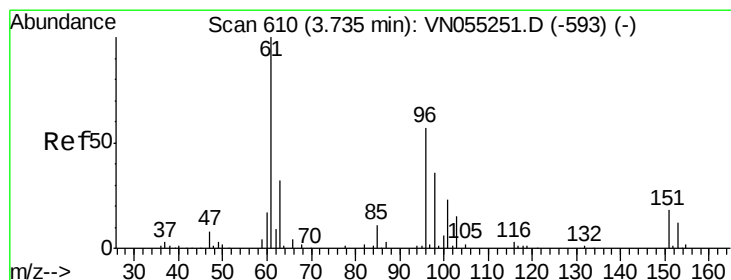
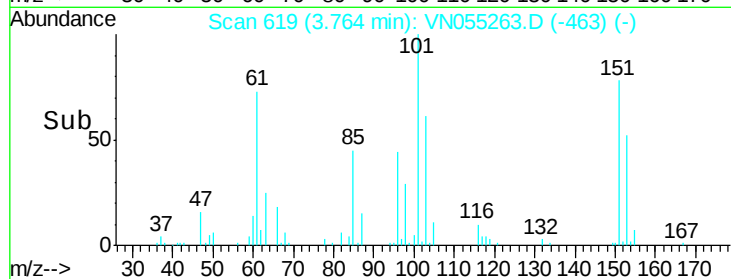
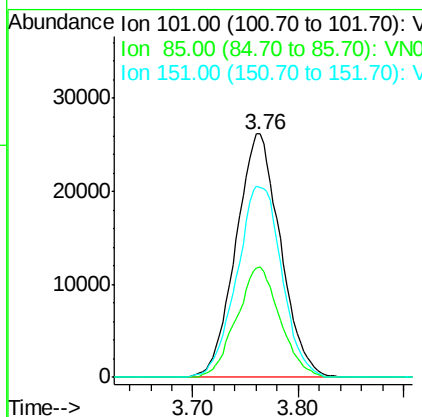
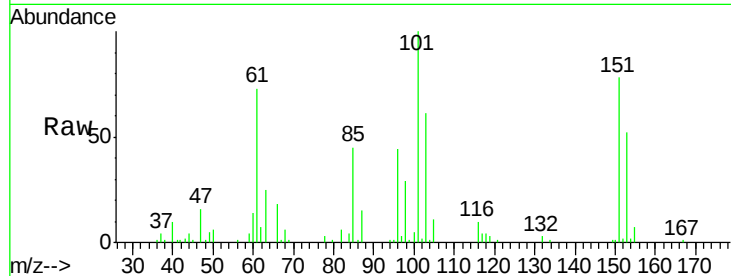
ClientSampleId :

VSTDCCC020EC

Tot Ion:	101	Resp:	76709
Ion Ratio	Lower	Upper	
101	100		
85	44.2	0.0	89.0
151	79.7	0.0	154.4

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4/26/2019 10:58:33 AM



#10

1,1-Dichloroethene

Concen: 19.452 ug/l

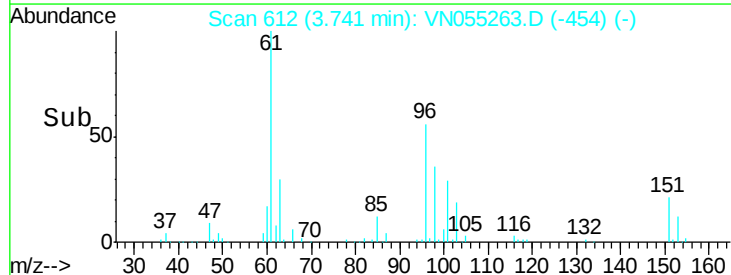
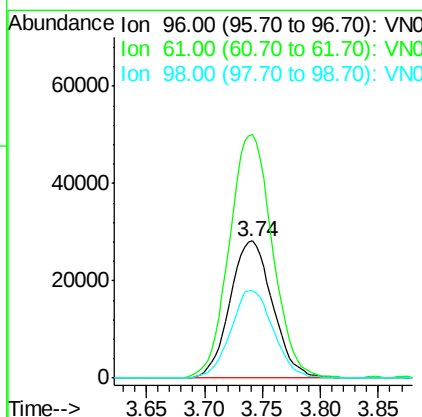
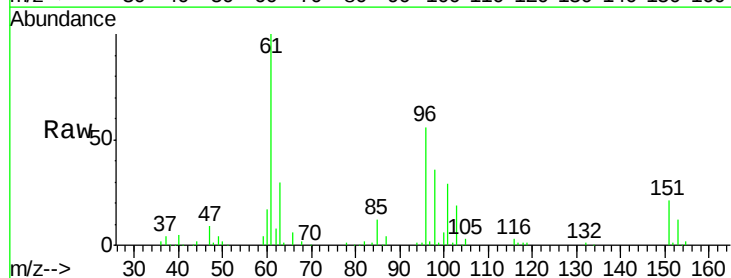
RT: 3.74 min Scan# 612

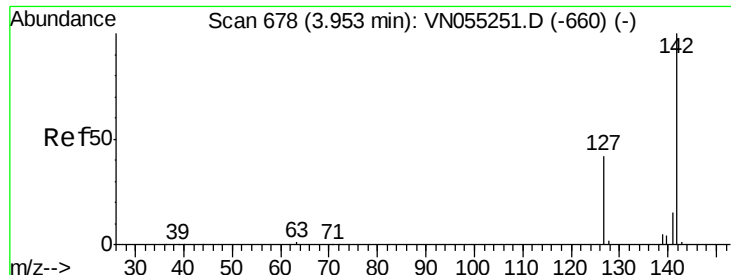
Delta R.T. 0.01 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Tgt Ion:	96	Resp:	72111
Ion Ratio	Lower	Upper	
96	100		
61	176.6	139.9	209.9
98	63.7	50.8	76.2





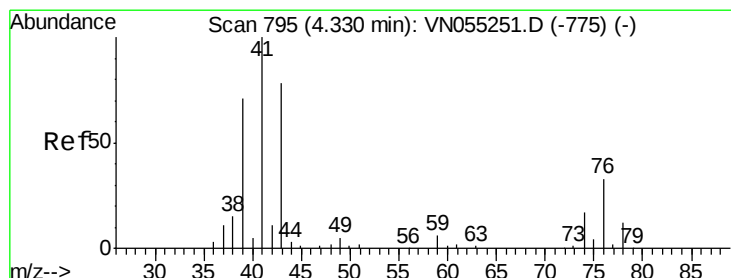
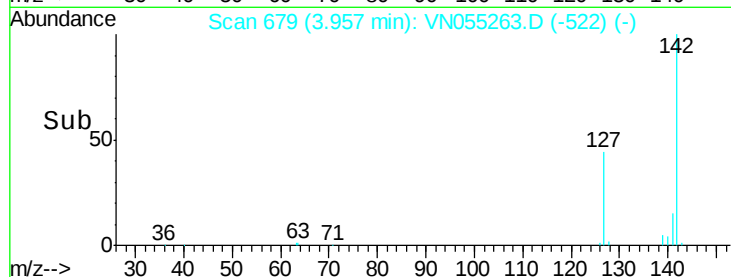
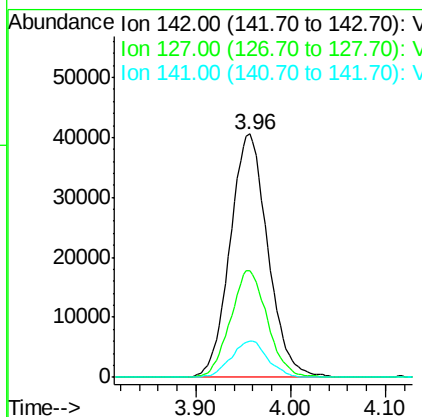
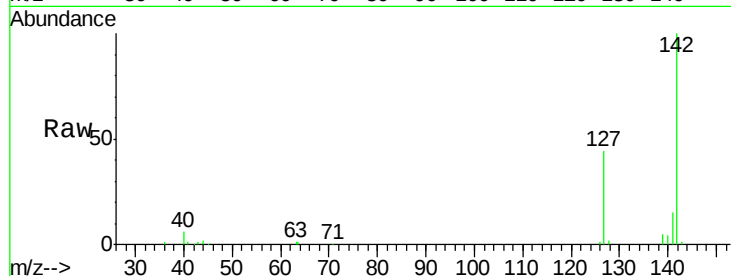
#11
Methvl Iodide
Concen: 19.312 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
142	100		
127	43.7	20.9	62.7
141	14.9	7.6	22.8

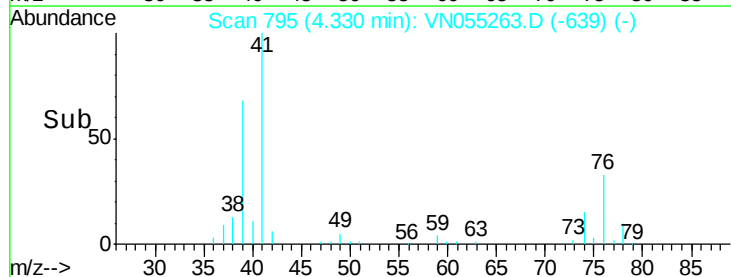
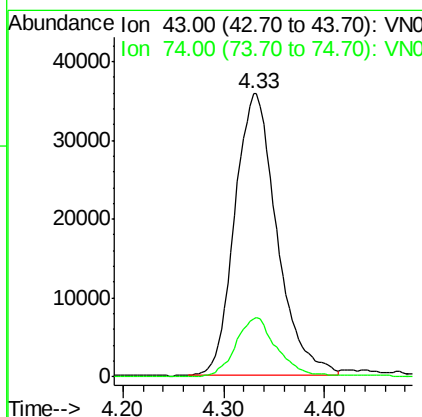
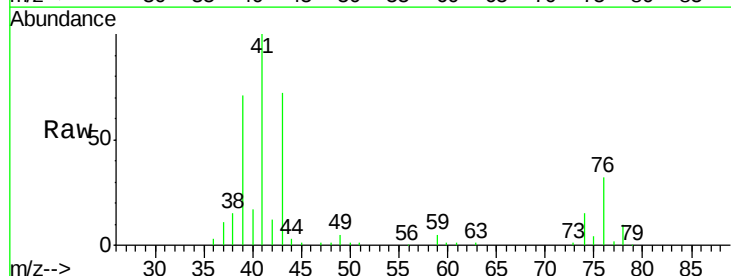
Manual Integrations
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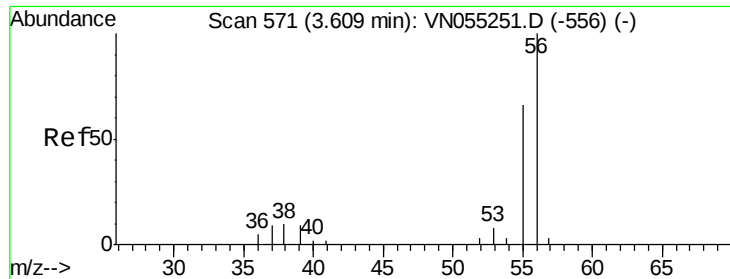
MMDadoda
4/26/2019 10:58:33 AM



#12
Methyl Acetate
Concen: 19.314 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.3	17.7	26.5





#13

Acrolein

Concen: 88.649 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 56 Resp: 21219

Ion Ratio Lower Upper

56 100

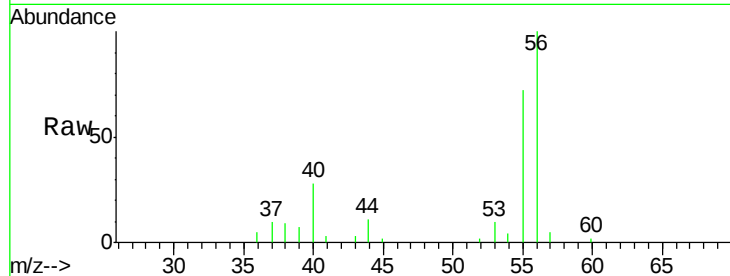
55 73.4 54.9 82.3

Manual Integrations

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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

8000

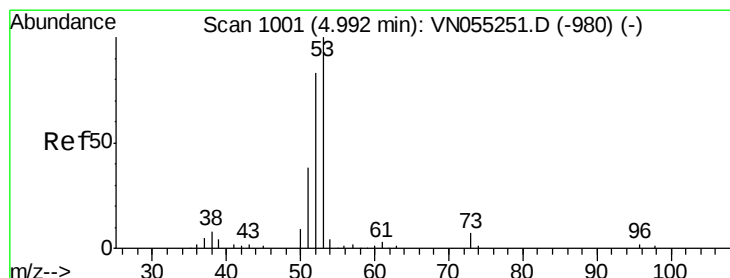
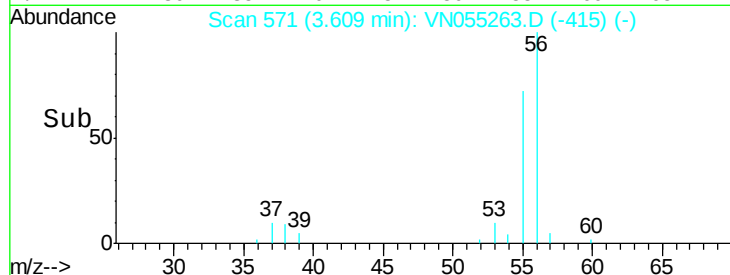
6000

4000

2000

0

Time-->



#14

Acrylonitrile

Concen: 96.006 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

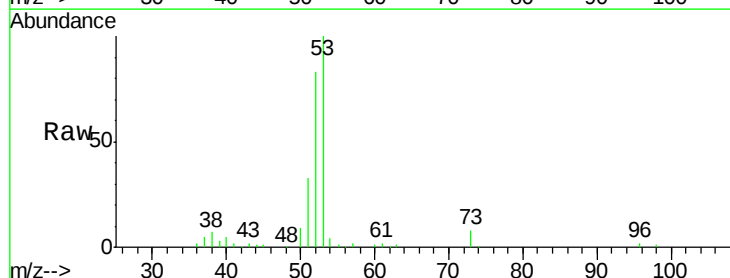
Tgt Ion: 53 Resp: 183486

Ion Ratio Lower Upper

53 100

52 81.0 41.0 123.2

51 35.2 18.1 54.4



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

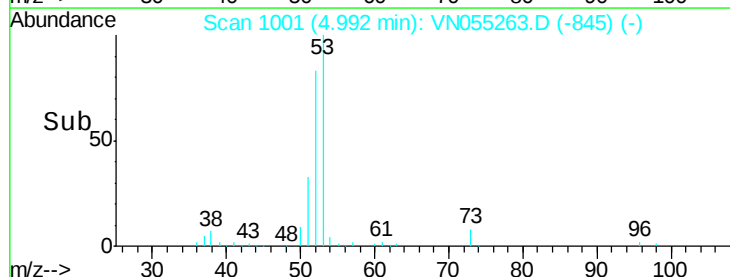
60000

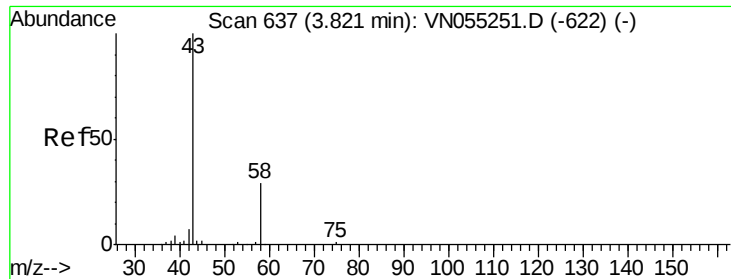
40000

20000

0

Time-->





#15

Acetone

Concen: 85.278 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 58 Resp: 39264

Ion Ratio Lower Upper

58 100

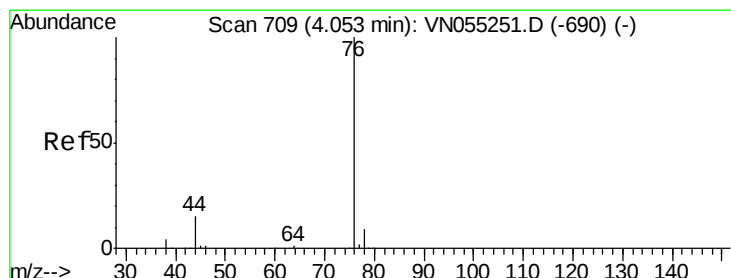
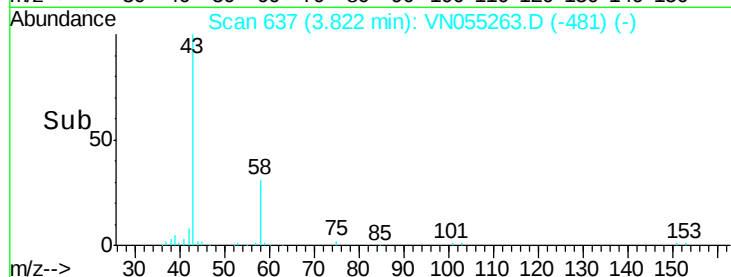
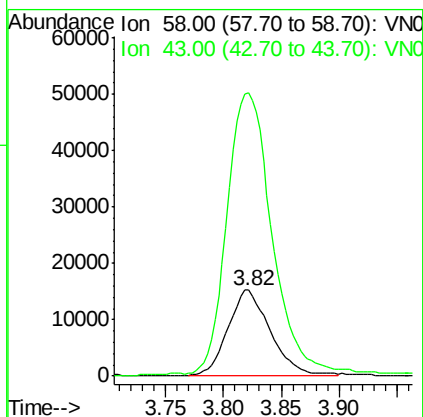
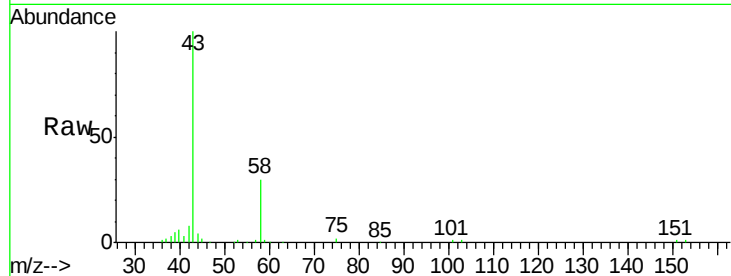
43 326.4 278.2 417.2

Manual Integrations

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#16

Carbon Disulfide

Concen: 18.928 ug/l

RT: 4.06 min Scan# 710

Delta R.T. 0.00 min

Lab File: VN055263.D

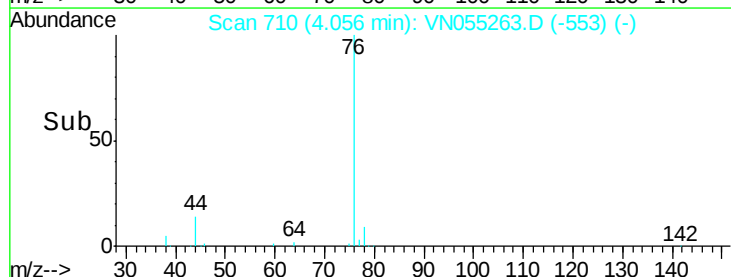
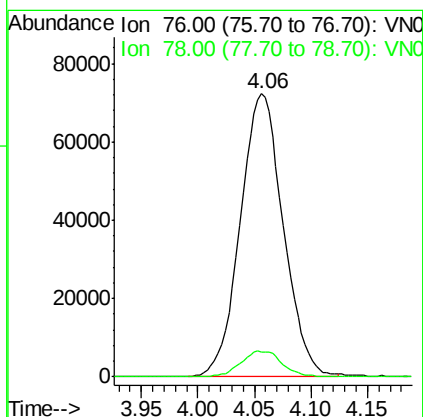
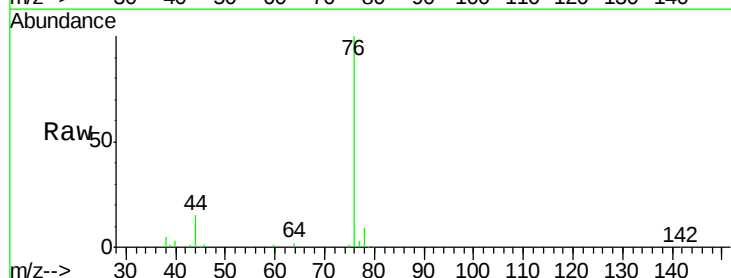
Acq: 26 Apr 2019 00:19

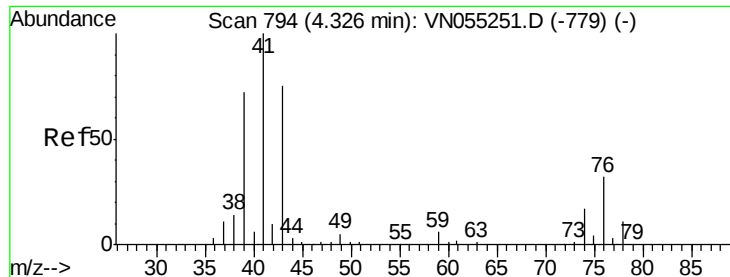
Tgt Ion: 76 Resp: 190720

Ion Ratio Lower Upper

76 100

78 8.9 6.8 10.2





#17

Allvl chloride

Concen: 19.252 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

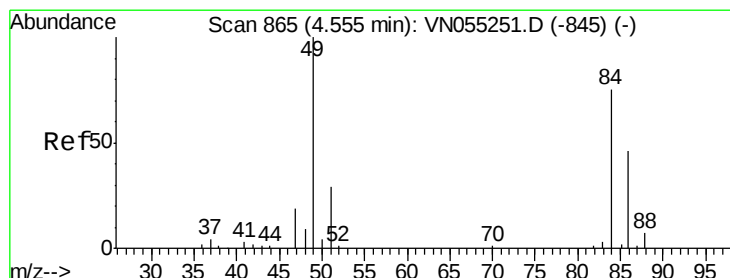
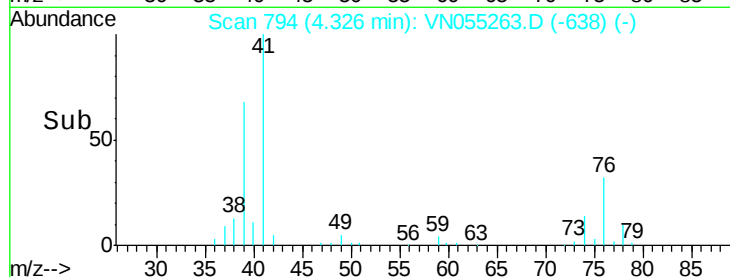
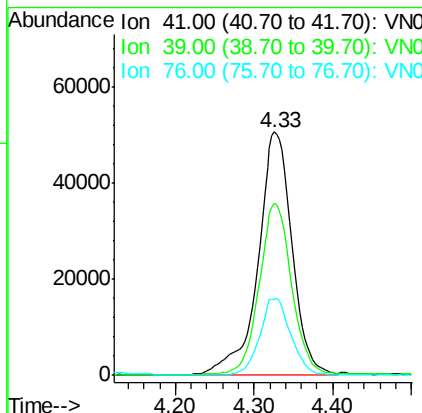
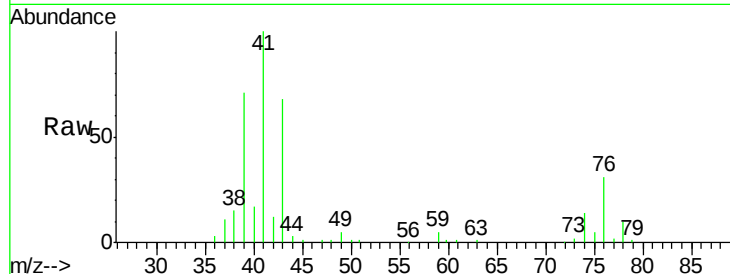
ClientSampleId :

VSTDCCC020EC

Tot Ion:	41	Resp:	153694
Ion	Ratio	Lower	Upper
41	100		
39	70.8	34.4	103.2
76	31.3	15.3	45.9

Manual Integrations
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#18

Methylene Chloride

Concen: 20.390 ug/l

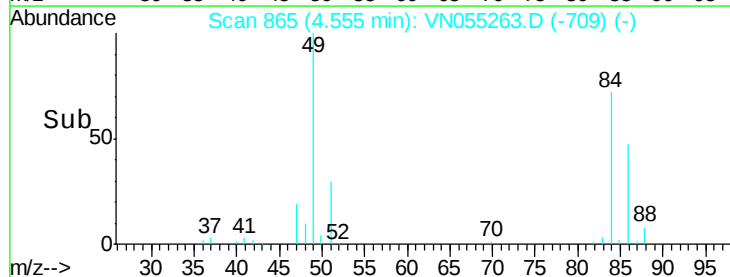
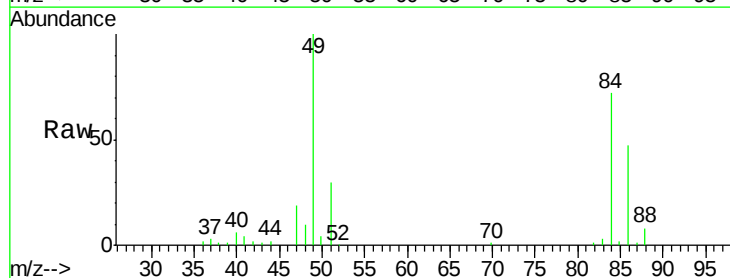
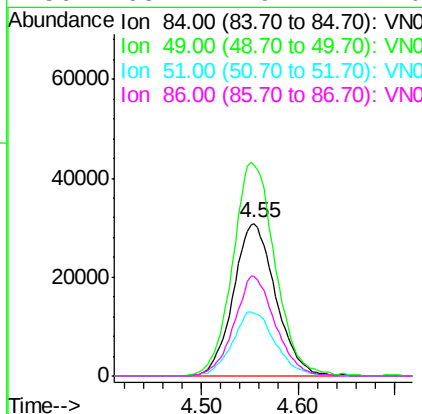
RT: 4.55 min Scan# 865

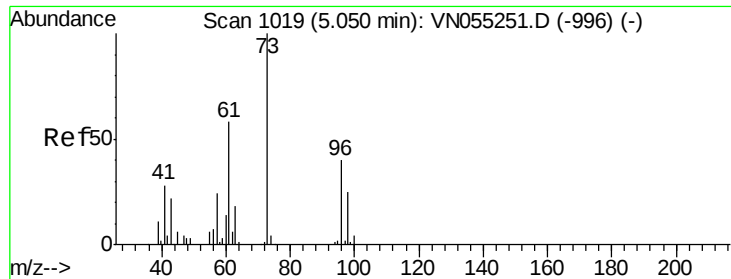
Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Tgt Ion:	84	Resp:	93844
Ion	Ratio	Lower	Upper
84	100		
49	137.9	107.2	160.8
51	41.3	31.4	47.2
86	65.4	49.4	74.0





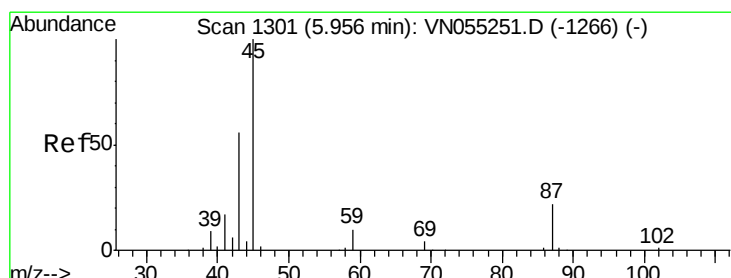
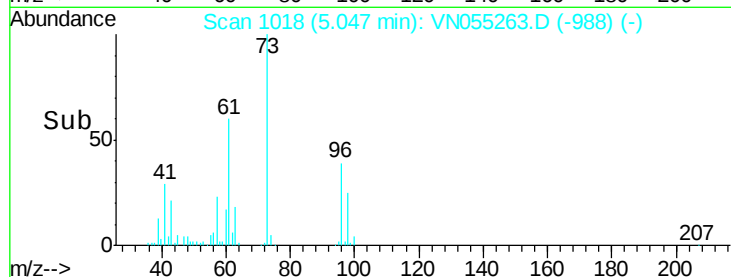
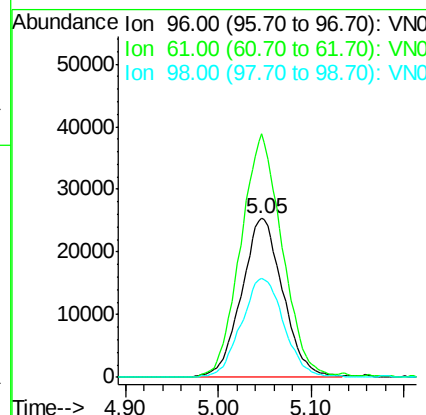
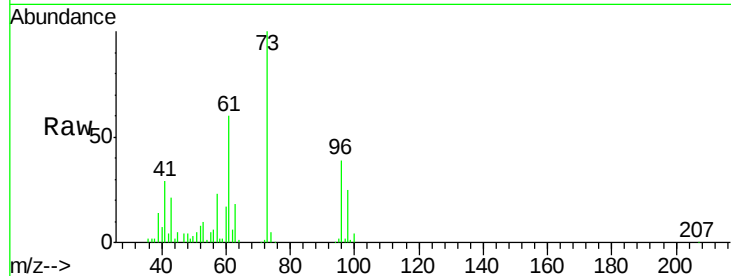
#19
trans-1,2-Dichloroethene
Concen: 19.488 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	153.4	116.3	174.5	
98	62.6	49.4	74.2	

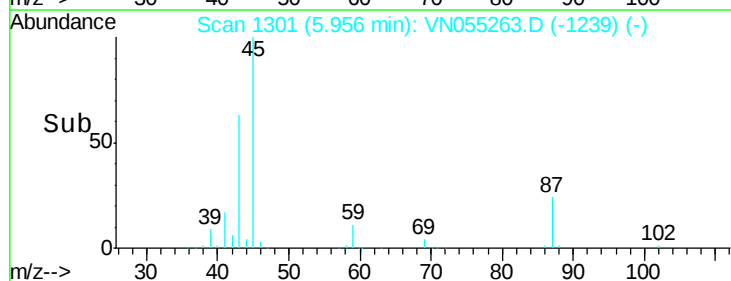
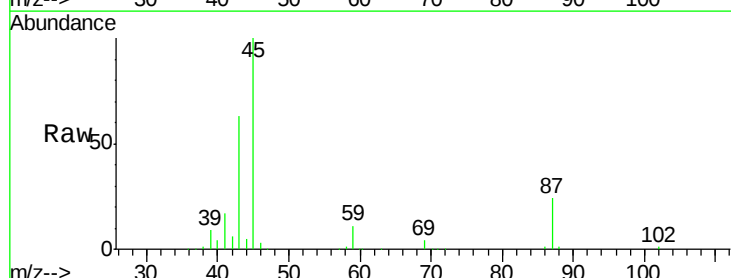
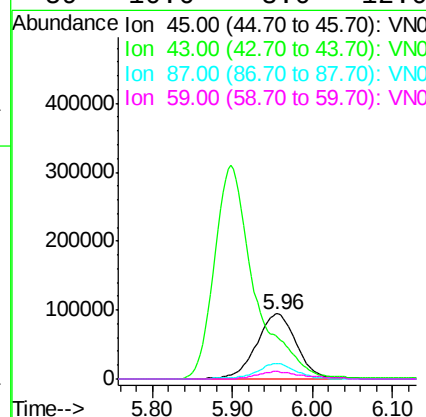
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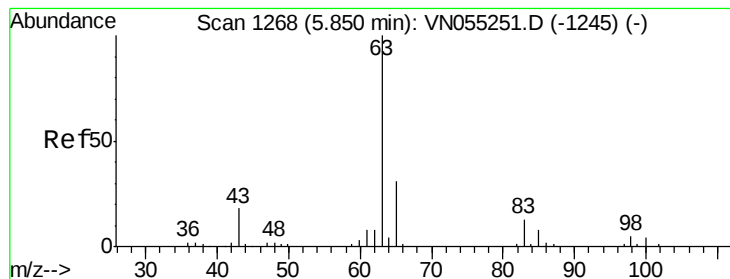
MMDadoda
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#20
Diisopropyl ether
Concen: 20.006 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ion	Ratio	Lower	Upper
45	100			
43	59.9	46.1	69.1	
87	23.4	18.3	27.5	
59	10.6	8.0	12.0	





#21

1,1-Dichloroethane

Concen: 20.338 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

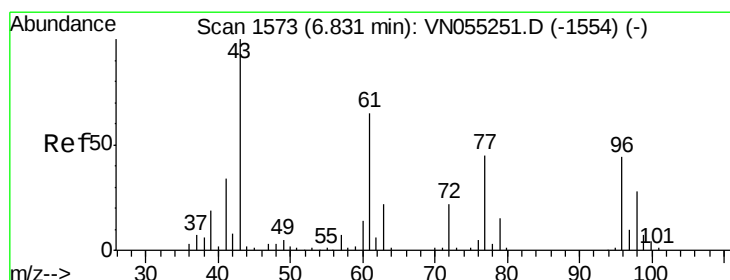
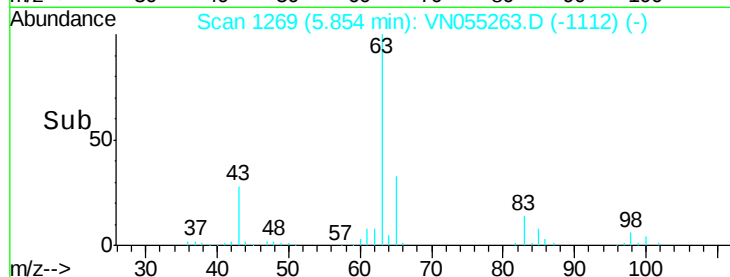
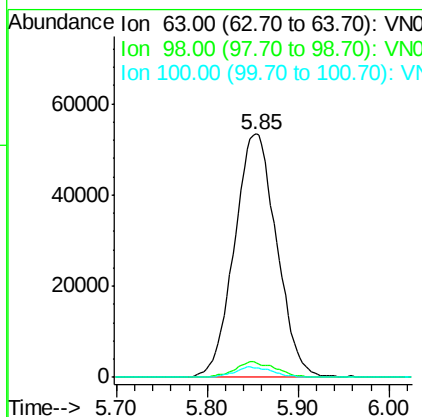
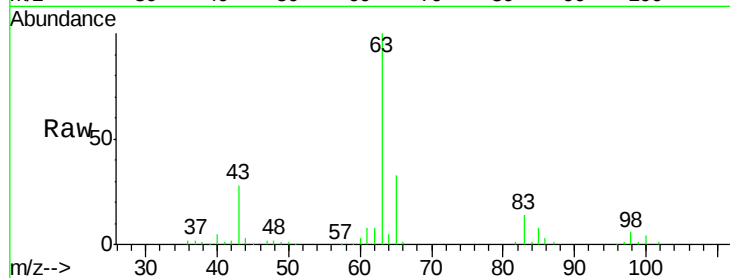
ClientSampled :

VSTDCCC020EC

Tot Ion	63	Resp	172015
Ion	Ratio	Lower	Upper
63	100		
98	6.0	2.8	8.3
100	3.6	2.0	5.8

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 20.014 ug/l

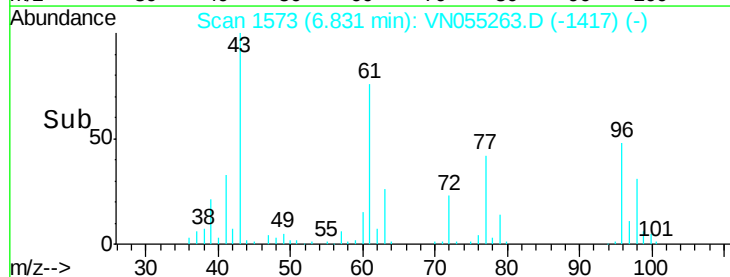
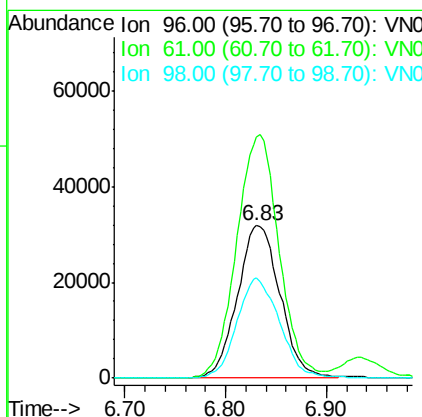
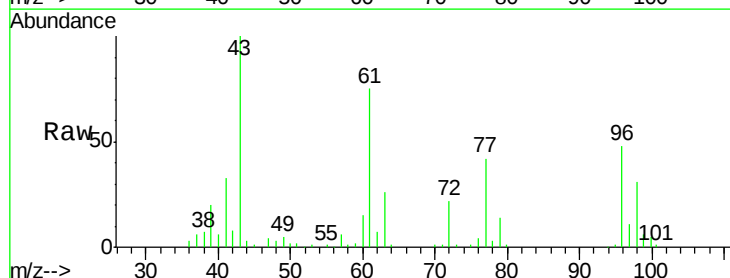
RT: 6.83 min Scan# 1573

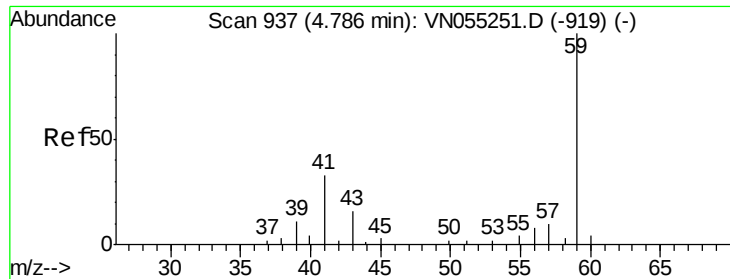
Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Tgt Ion	96	Resp	93649
Ion	Ratio	Lower	Upper
96	100		
61	158.1	129.1	193.7
98	65.3	53.2	79.8





#23

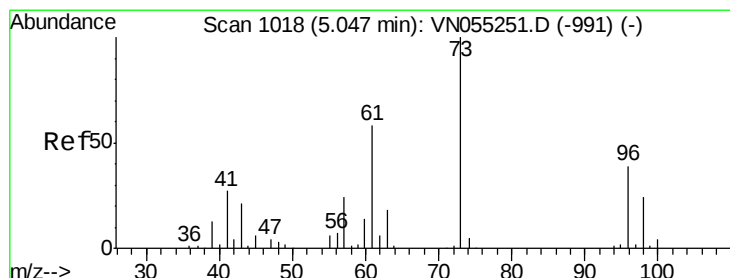
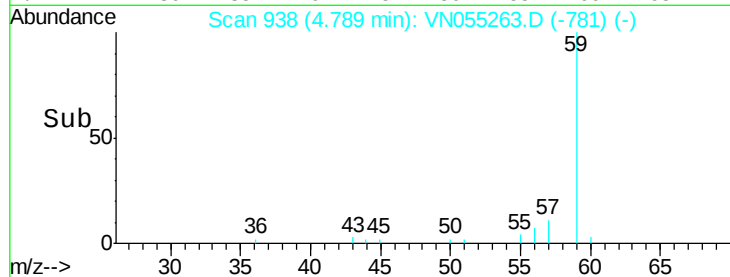
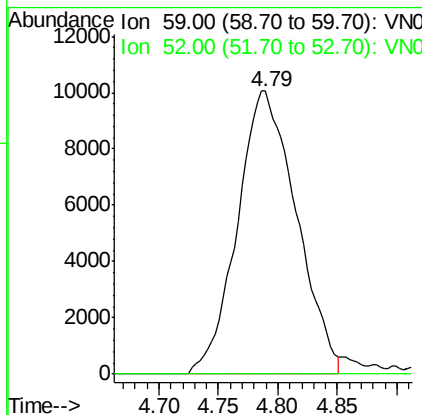
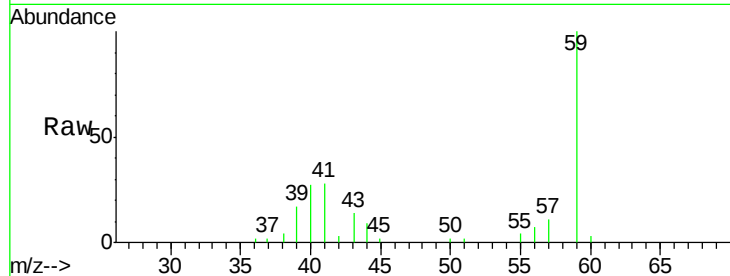
tert-Butyl Alcohol
 Concen: 88.739 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

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

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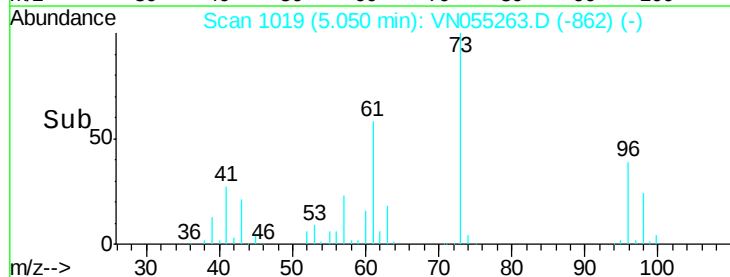
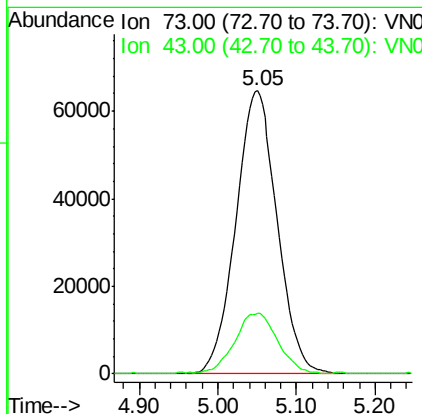
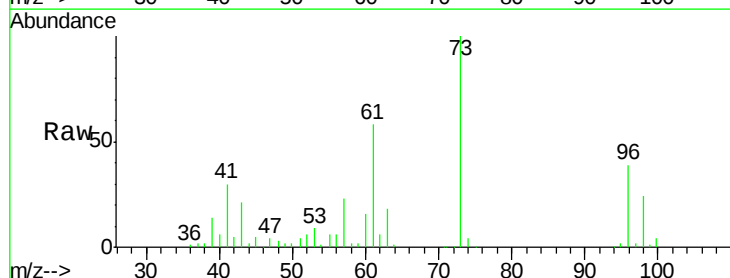
MMDadoda
 4/26/2019 10:58:33 AM

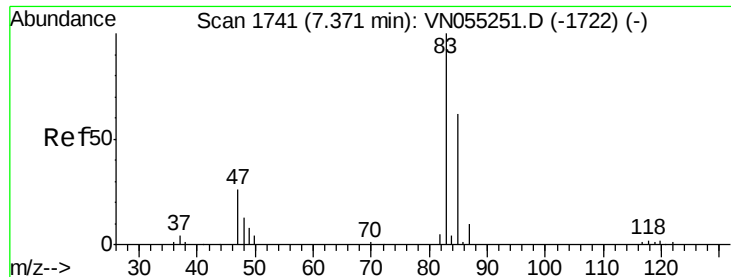


#24

Methyl tert-Butyl Ether
 Concen: 19.684 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	21.9	17.9	26.9	





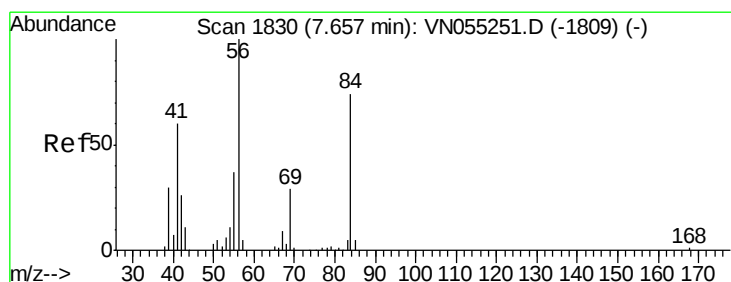
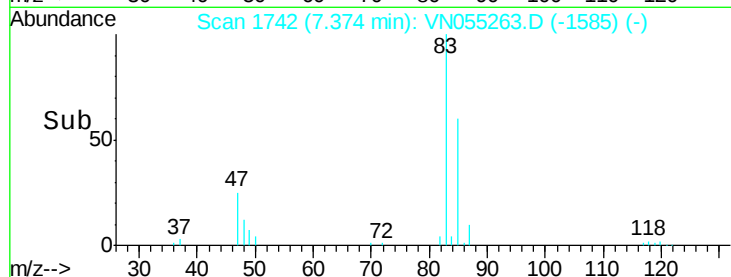
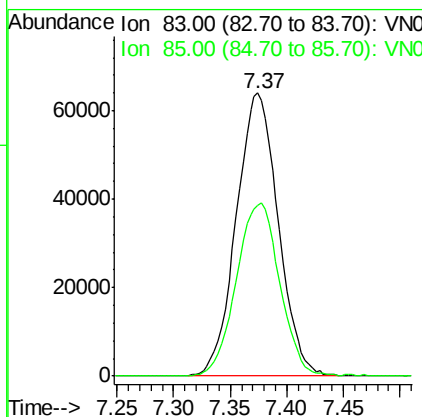
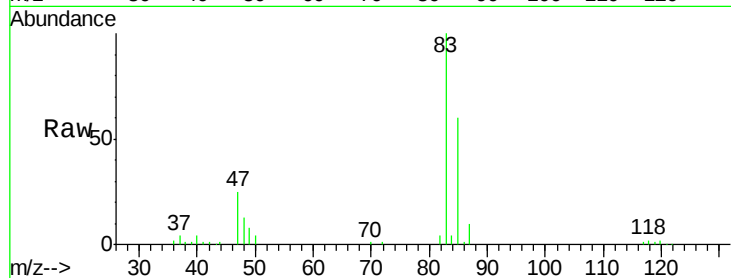
#25
Chloroform
Concen: 20.776 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 165124
Ion Ratio Lower Upper
83 100
85 60.5 49.7 74.5

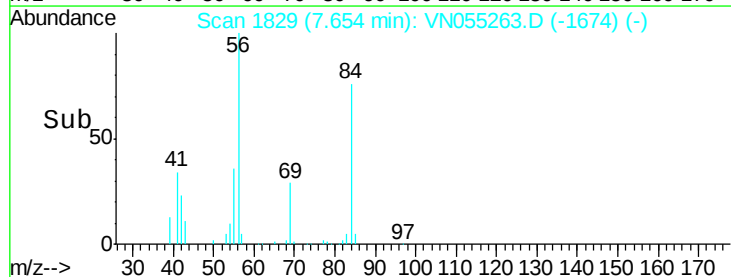
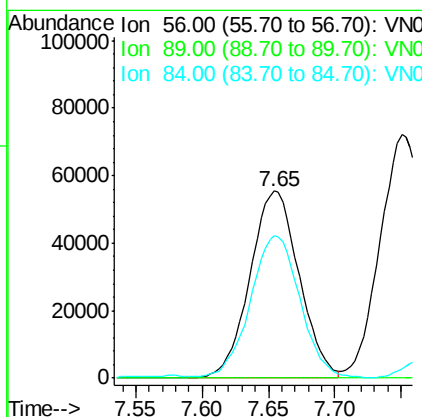
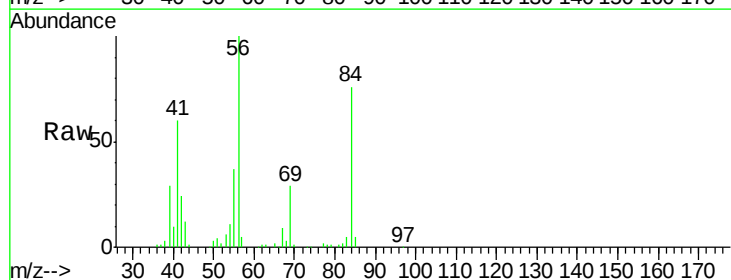
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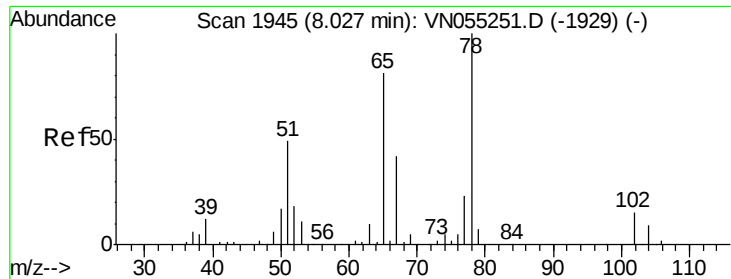
MMdadoda
4/26/2019 10:58:33 AM



#26
Cyclohexane
Concen: 19.508 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion: 56 Resp: 143298
Ion Ratio Lower Upper
56 100
89 0.0 0.0 0.0
84 77.2 63.5 95.3





#27

1,2-Dichloroethane-d4

Concen: 29.713 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 65 Resp: 160554

Ion Ratio Lower Upper

65 100

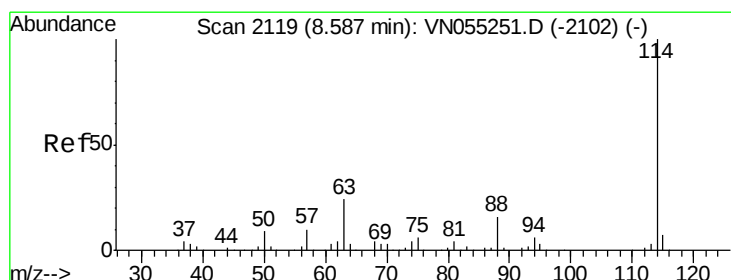
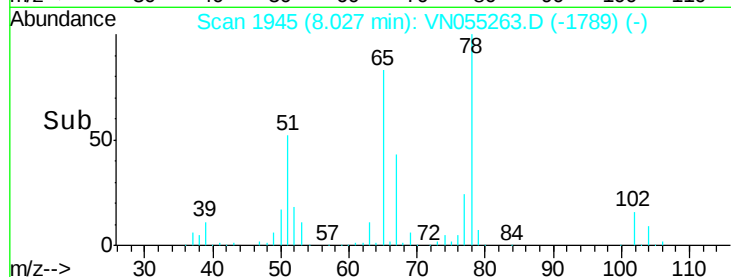
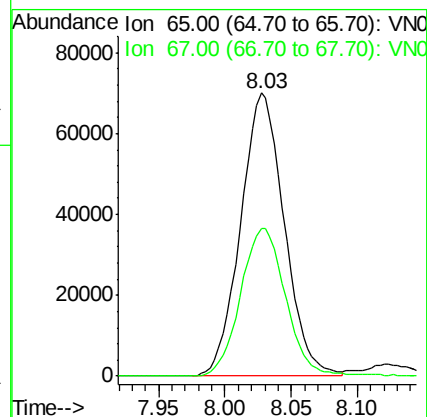
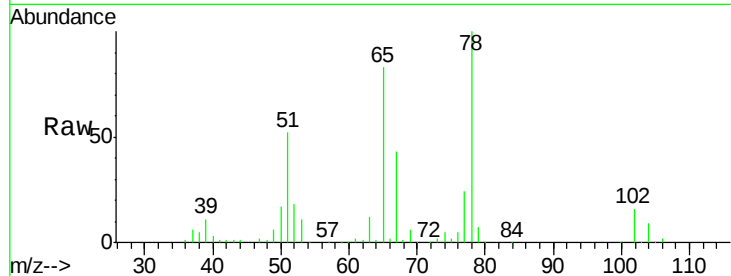
67 53.5 41.9 62.9

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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: VN055263.D

Acq: 26 Apr 2019 00:19

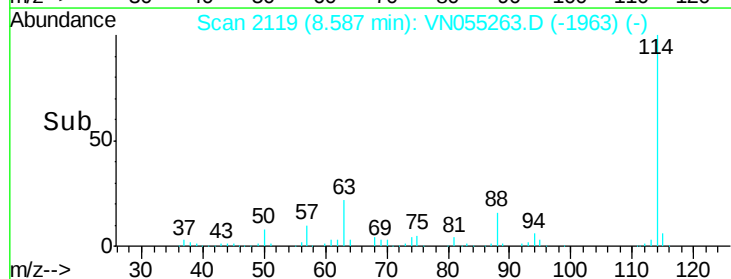
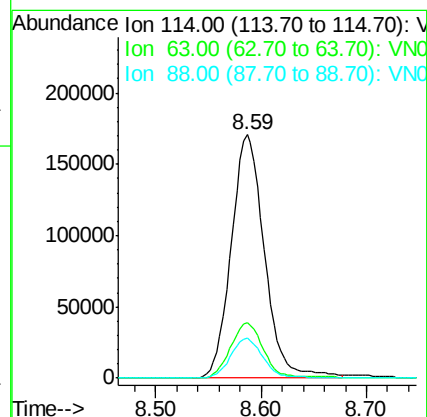
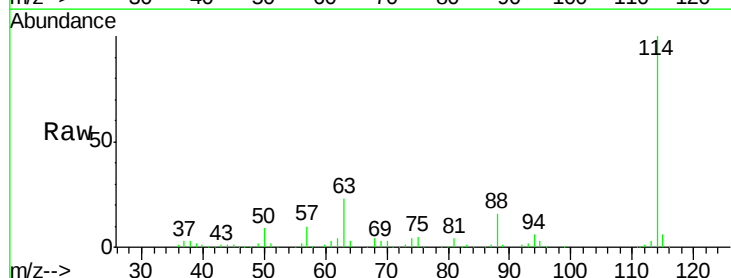
Tgt Ion: 114 Resp: 374140

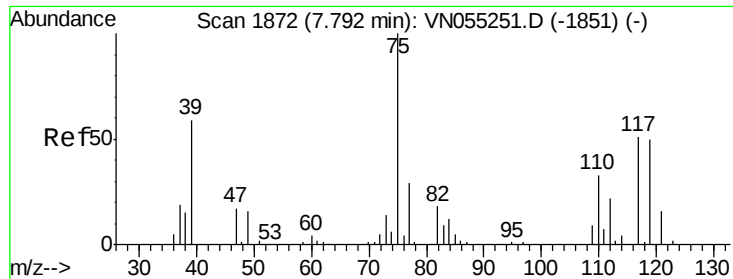
Ion Ratio Lower Upper

114 100

63 22.2 18.2 27.2

88 15.7 12.6 18.8





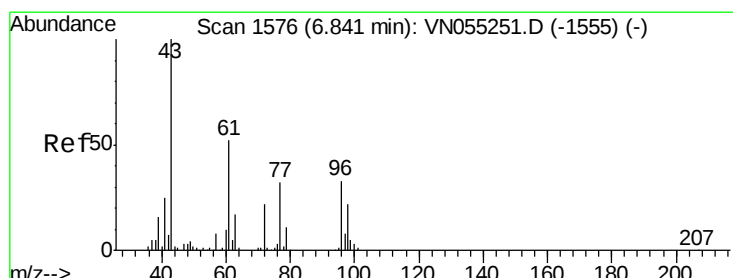
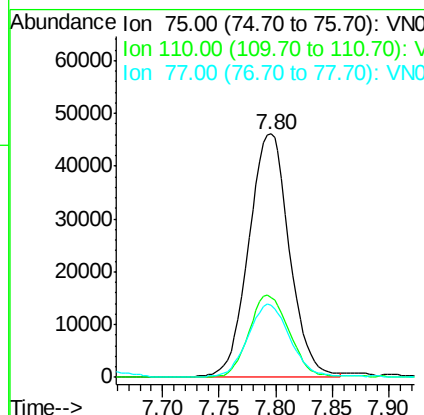
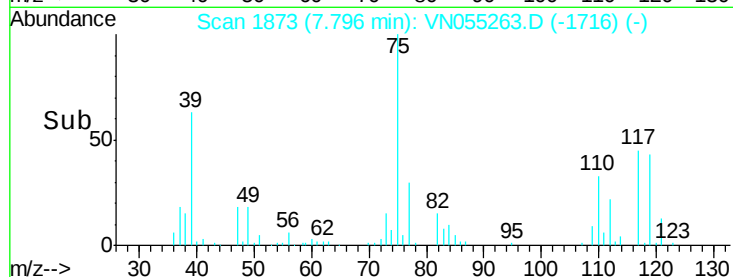
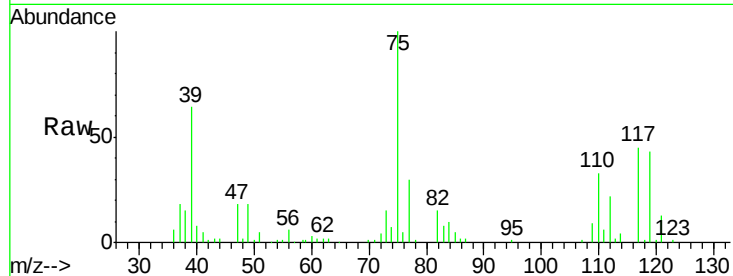
#29
 1,1-Dichloropropene
 Concen: 19.459 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	33.4	0.0	68.6	
77	31.1	0.0	61.6	

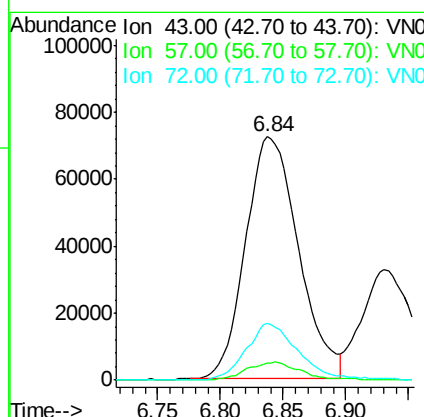
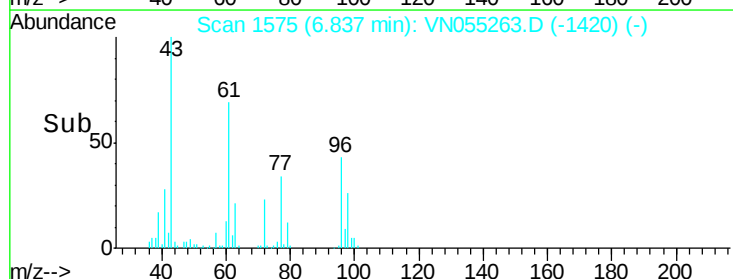
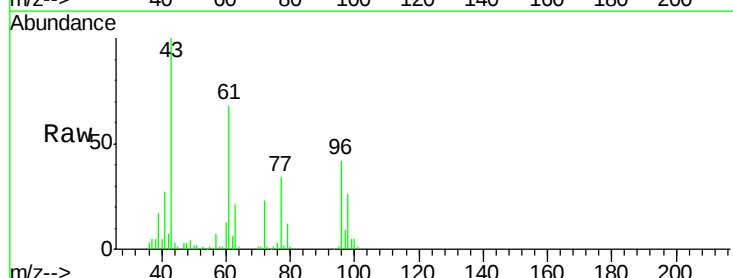
Manual Integrations
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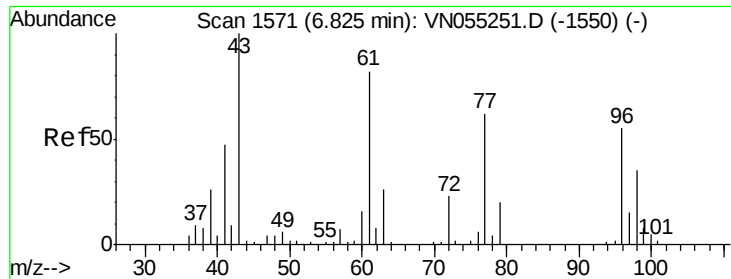
MMdadoda
 4/26/2019 10:58:33 AM



#30
 2-Butanone
 Concen: 88.725 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.2	6.0	9.0	
72	22.6	17.9	26.9	





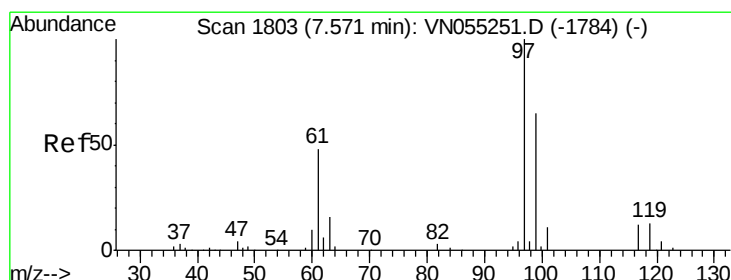
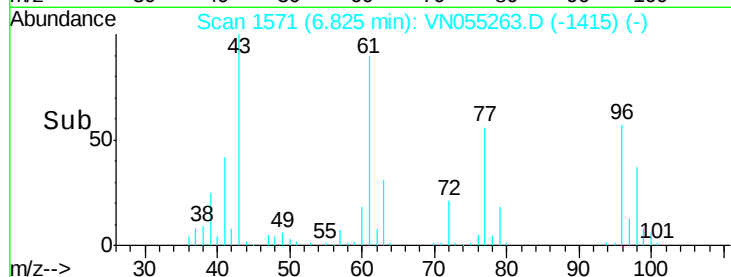
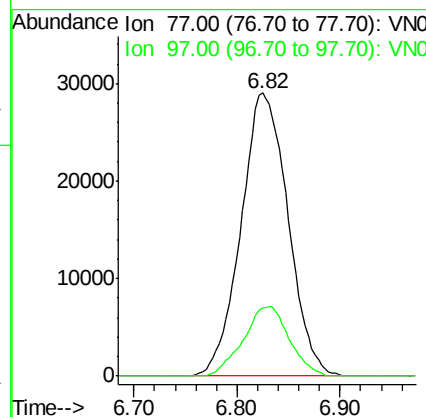
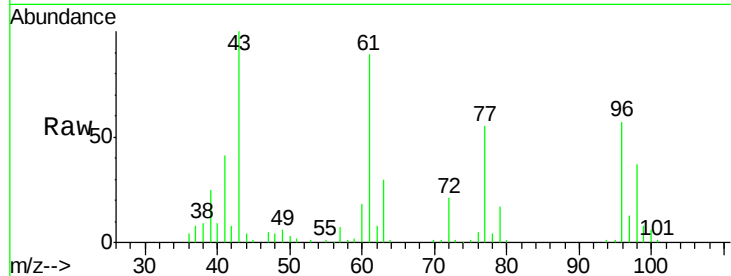
#31
 2,2-Dichloropropane
 Concen: 16.359 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion: 77 Resp: 91874
 Ion Ratio Lower Upper
 77 100
 97 24.0 18.6 28.0

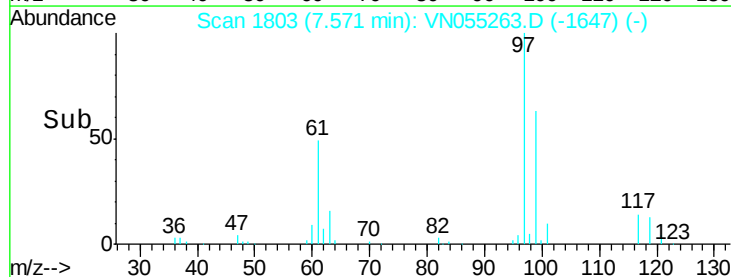
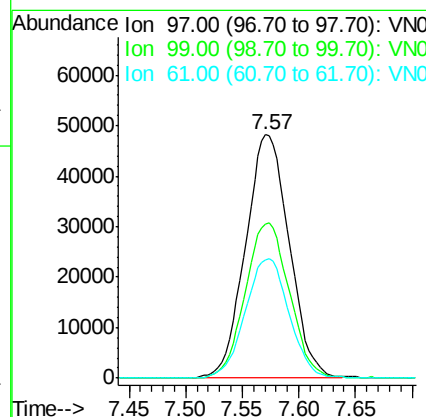
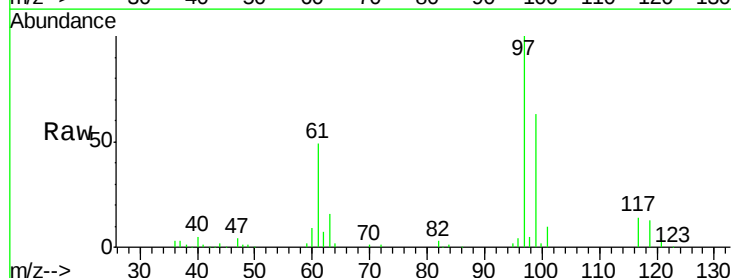
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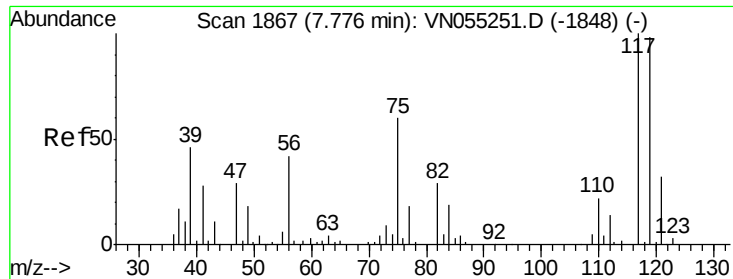
MMdadoda
 4/26/2019 10:58:33 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.625 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion: 97 Resp: 129355
 Ion Ratio Lower Upper
 97 100
 99 64.4 51.2 76.8
 61 49.2 38.3 57.5





#33

Carbon Tetrachloride

Concen: 19.581 ug/l

RT: 7.77 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:117 Resp: 107618

Ion Ratio Lower Upper

117 100

119 93.2 78.7 118.1

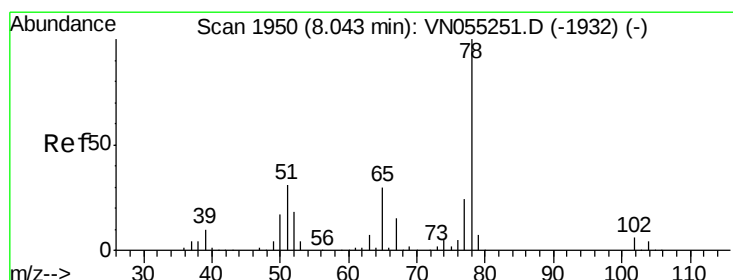
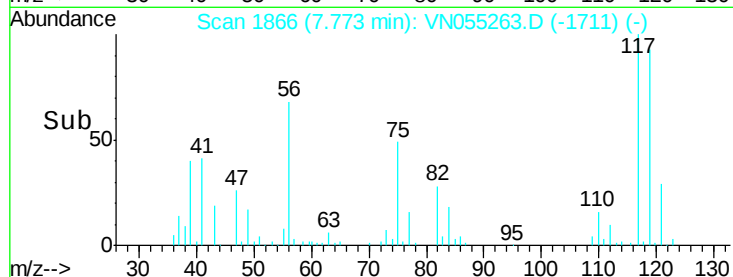
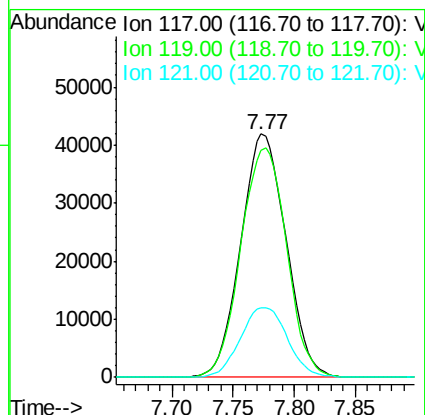
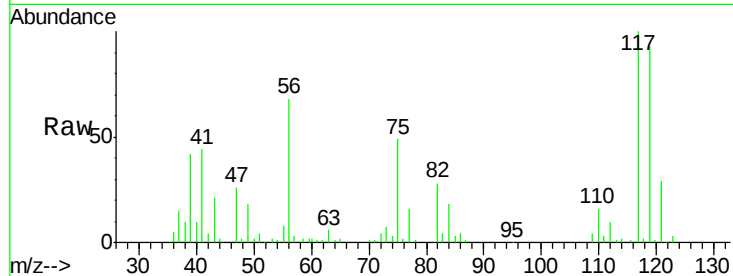
121 29.0 25.8 38.6

Manual Integrations

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MMdadoda

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#34

Benzene

Concen: 19.974 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

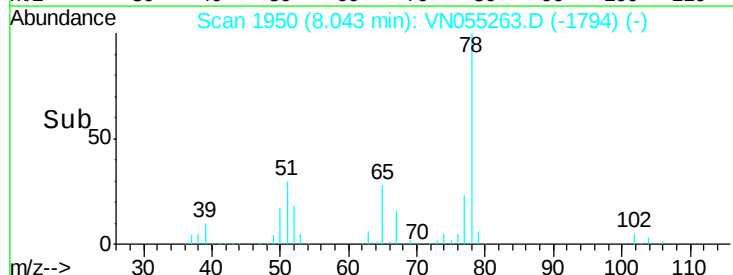
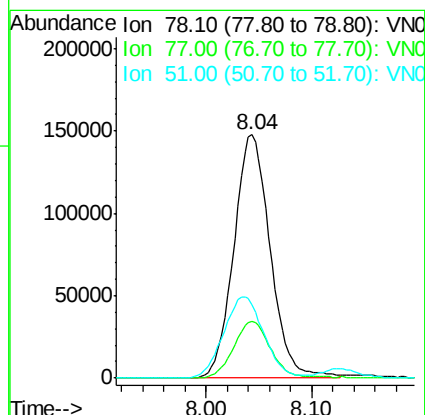
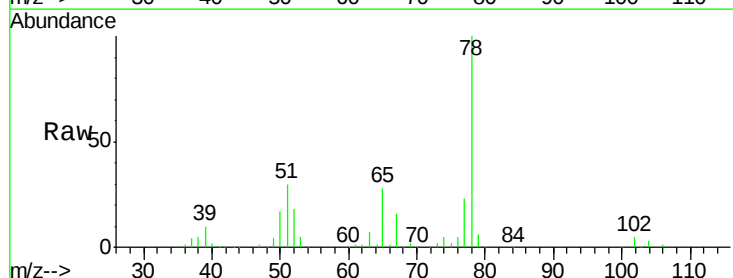
Tgt Ion: 78 Resp: 354571

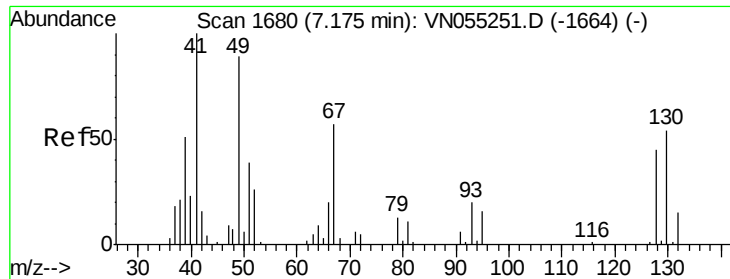
Ion Ratio Lower Upper

78 100

77 23.2 19.1 28.7

51 29.9 24.5 36.7





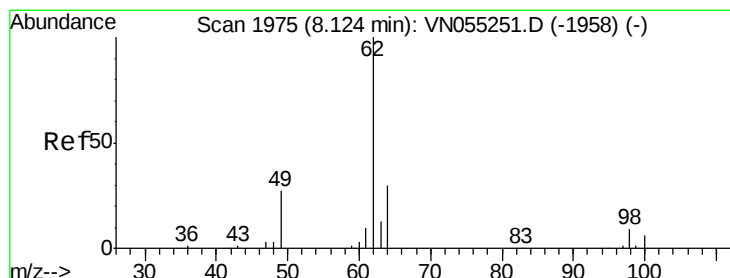
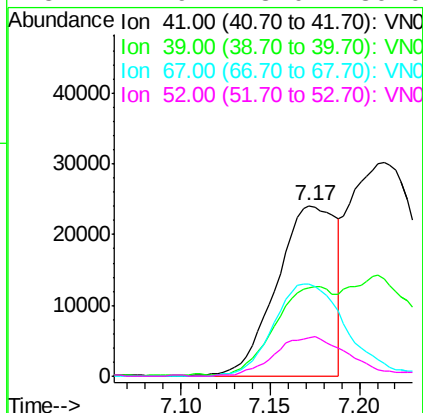
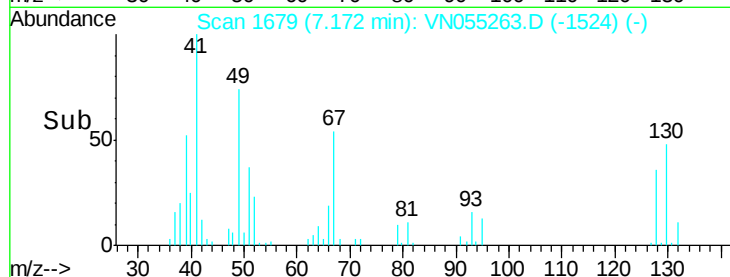
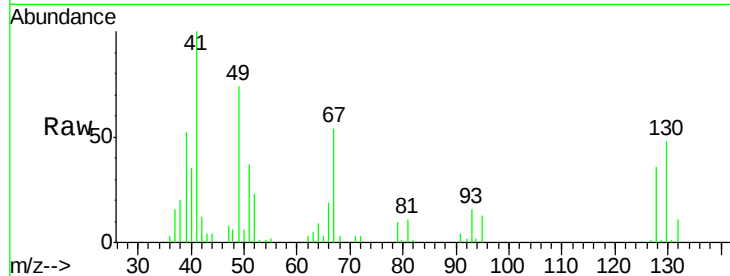
#35
Methacrylonitrile
Concen: 20.009 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. -0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	41	Resp:	55452
Ion Ratio	Lower	Upper	
41	100		
39	51.0	25.3	75.8
67	53.7	28.7	86.1
52	22.9	13.0	39.0

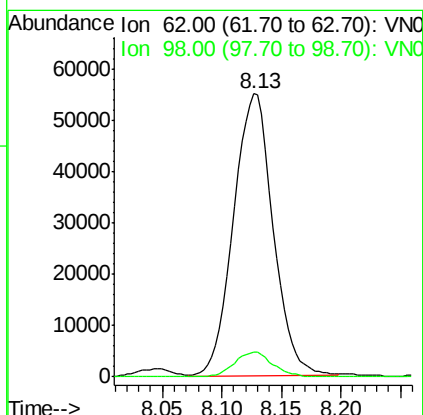
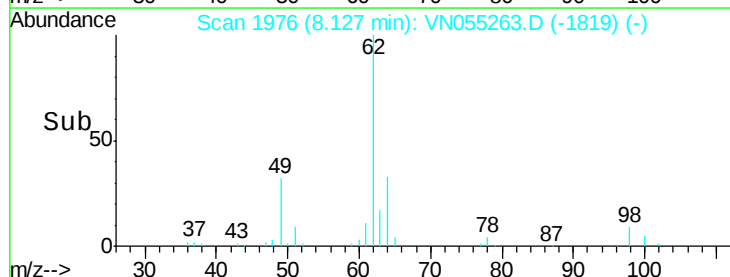
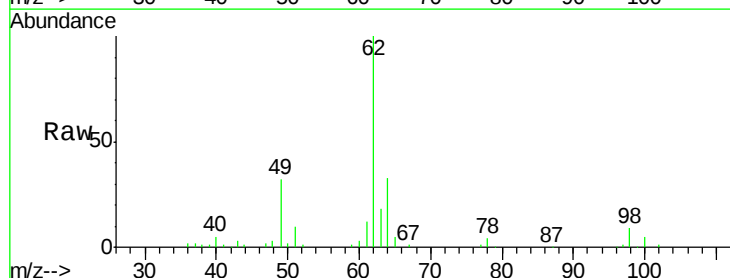
Manual Integrations
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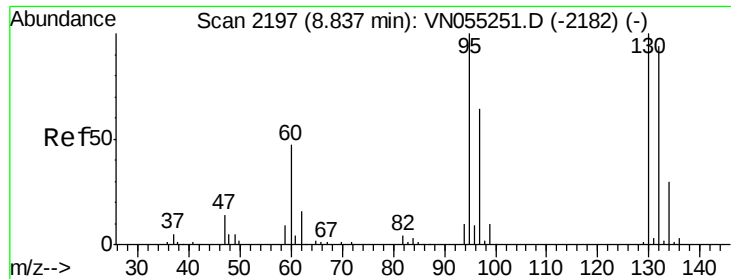
MMDadoda
4/26/2019 10:58:33 AM



#36
1,2-Dichloroethane
Concen: 19.982 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion:	62	Resp:	126538
Ion Ratio	Lower	Upper	
62	100		
98	8.5	6.8	10.2





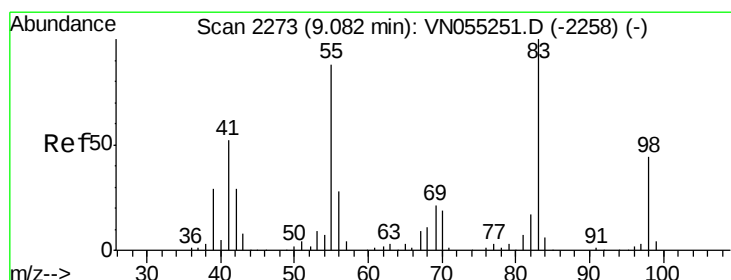
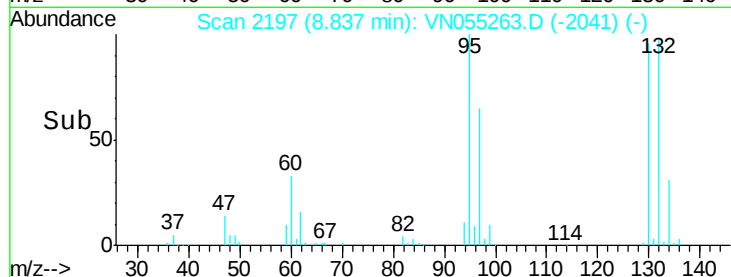
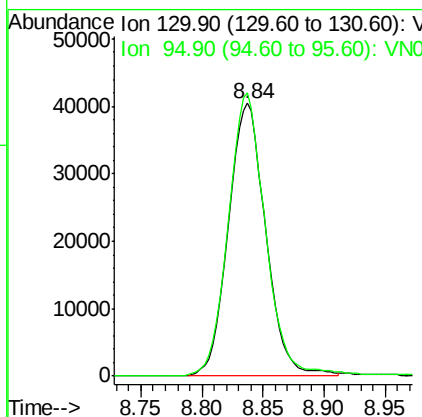
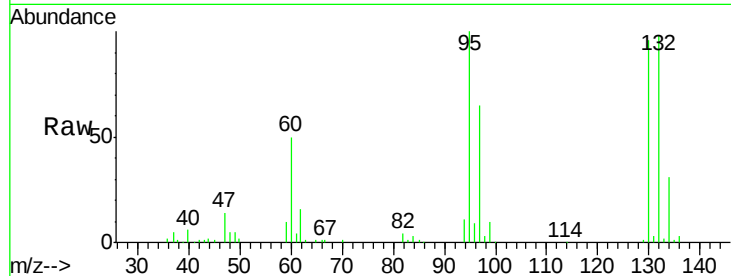
#37
 Trichloroethene
 Concen: 19.232 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:130 Resp: 86163
 Ion Ratio Lower Upper
 130 100
 95 103.1 79.9 119.9

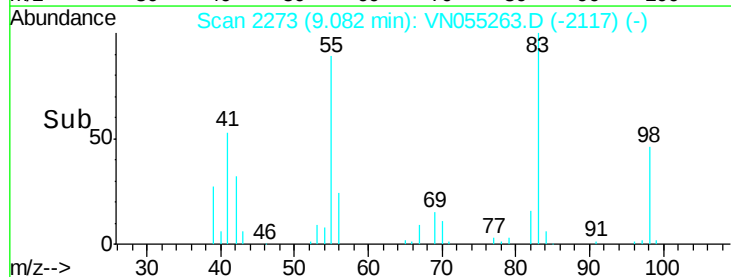
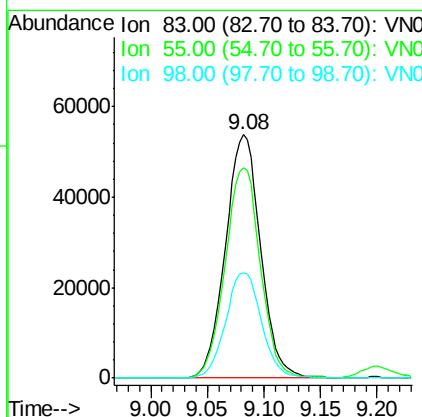
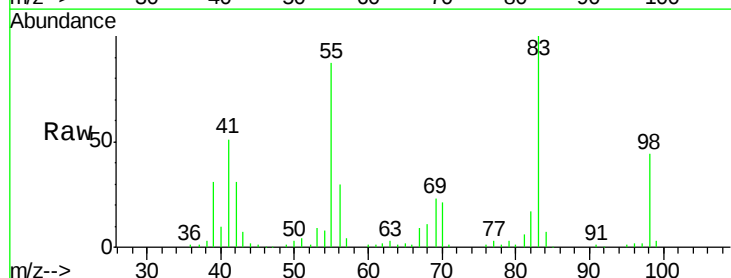
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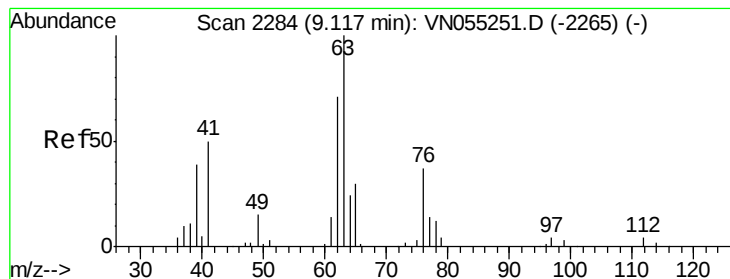
MMdadoda
 4/26/2019 10:58:33 AM



#38
 Methylcyclohexane
 Concen: 18.347 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion: 83 Resp: 116391
 Ion Ratio Lower Upper
 83 100
 55 86.6 43.8 131.4
 98 44.0 22.4 67.2





#39

1,2-Dichloropropane

Concen: 20.411 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 63 Resp: 103720

Ion Ratio Lower Upper

63 100

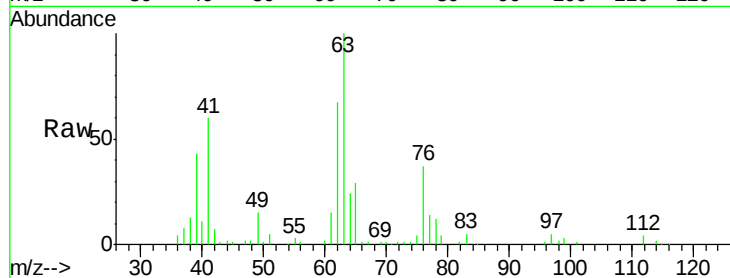
65 28.4 24.6 36.8

Manual Integrations

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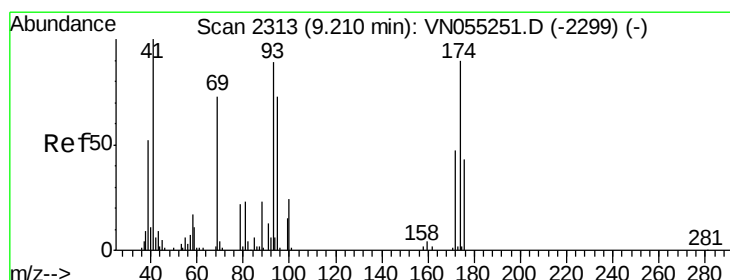
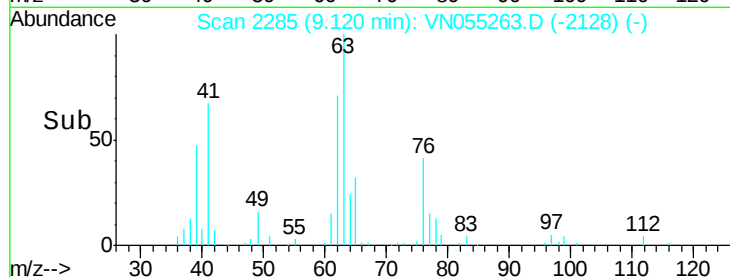
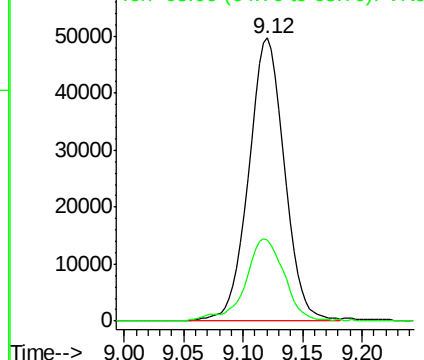
MMdadoda

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Abundance Ion 63.00 (62.70 to 63.70): VN0

Ion 65.00 (64.70 to 65.70): VN0



#40

Dibromomethane

Concen: 20.043 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

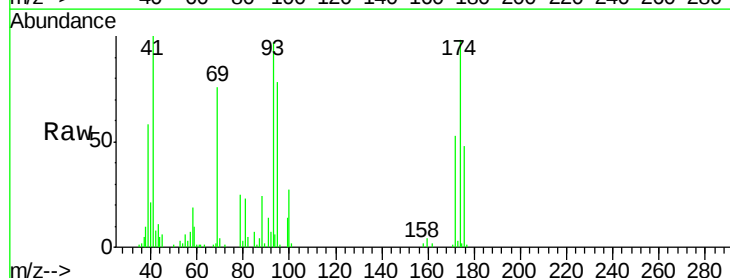
Tgt Ion: 93 Resp: 59015

Ion Ratio Lower Upper

93 100

95 81.0 0.0 164.8

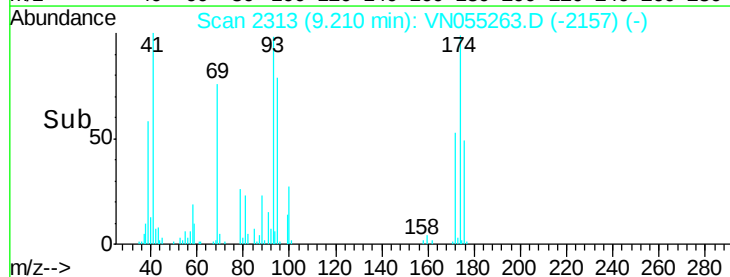
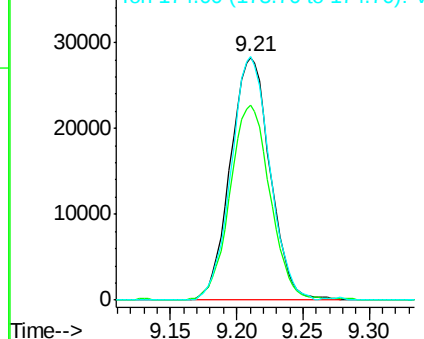
174 97.2 0.0 203.4

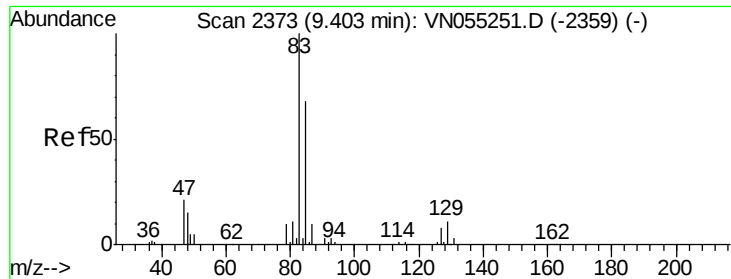


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





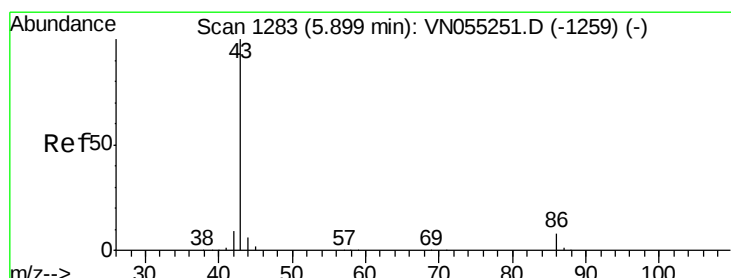
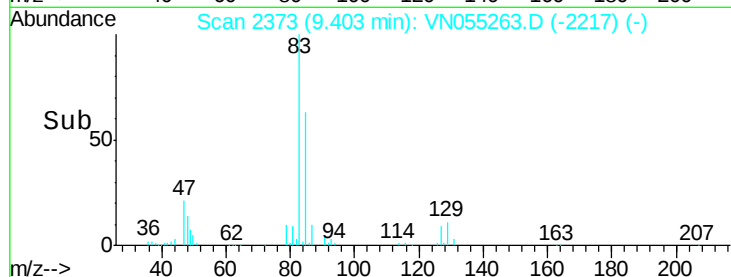
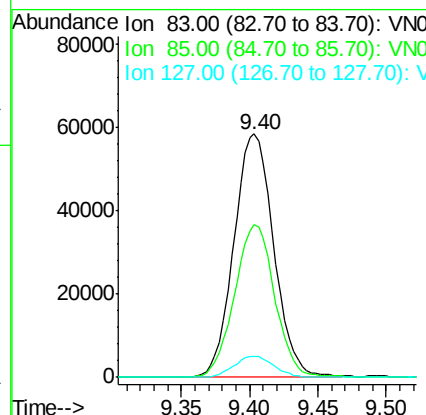
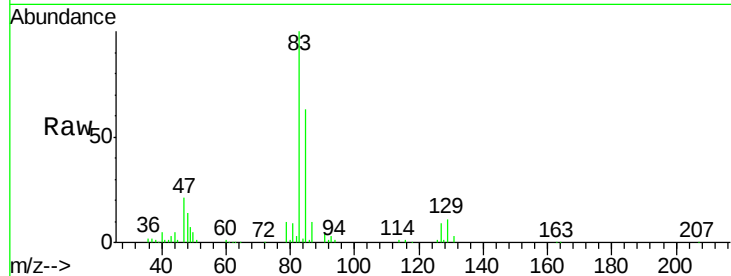
#41
 Bromodichloromethane
 Concen: 19.835 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	118774
Ion Ratio	100	Lower	Upper
83	100		
85	62.5	54.5	81.7
127	8.7	6.4	9.6

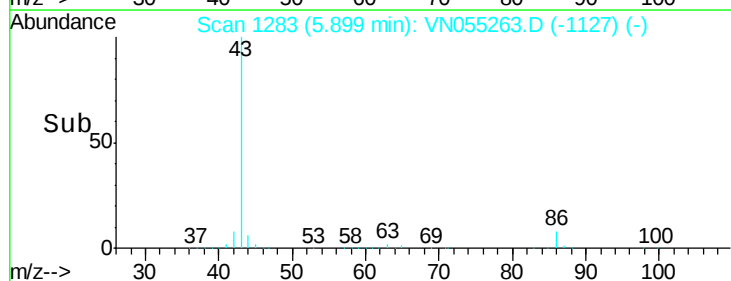
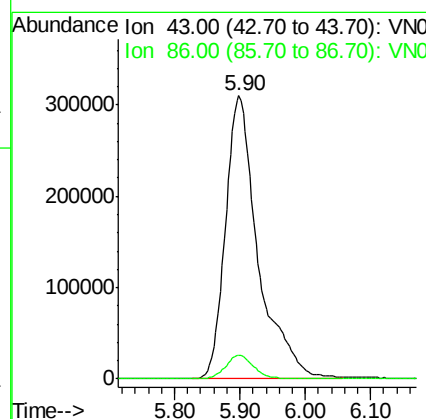
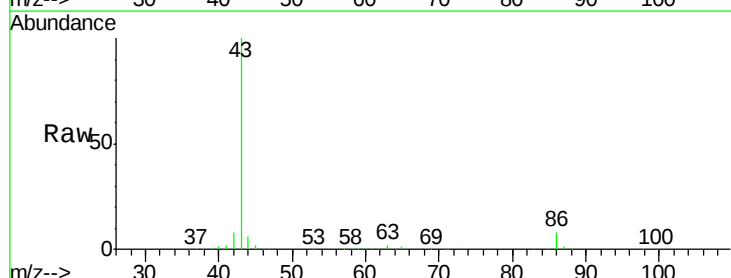
Manual Integrations
 APPROVED

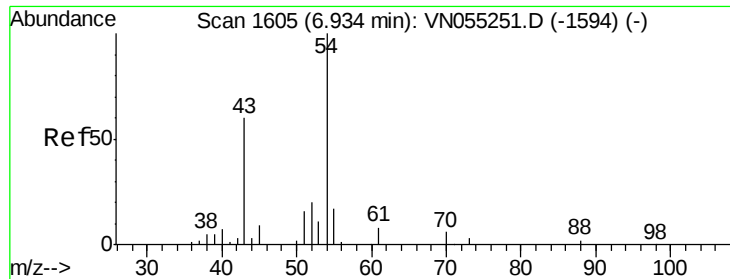
MMdadoda
 4/26/2019 10:58:33 AM



#42
 Vinyl Acetate
 Concen: 93.246 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	43	Resp	1073000
Ion Ratio	100	Lower	Upper
43	100		
86	7.2	5.7	8.5





#43

Ethyl Acetate

Concen: 18.821 ug/l

RT: 6.93 min Scan# 1604

Delta R.T. -0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 43 Resp: 93728

Ion Ratio Lower Upper

43 100

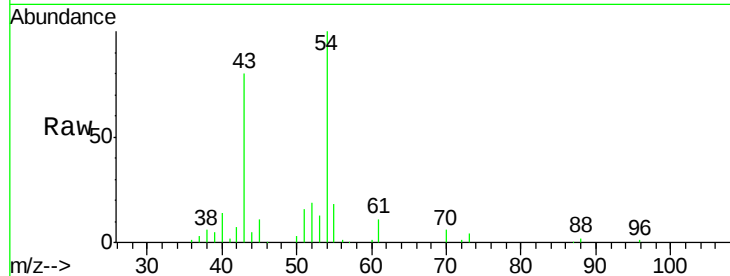
45 13.9 9.6 14.4

Manual Integrations

APPROVED

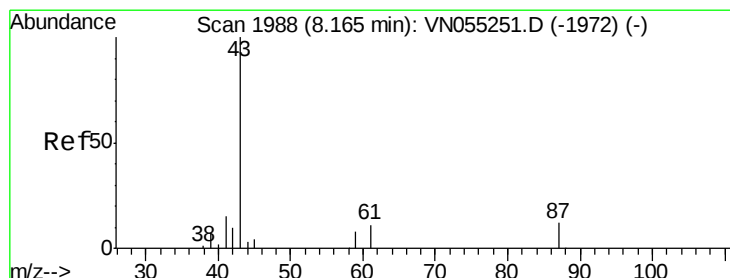
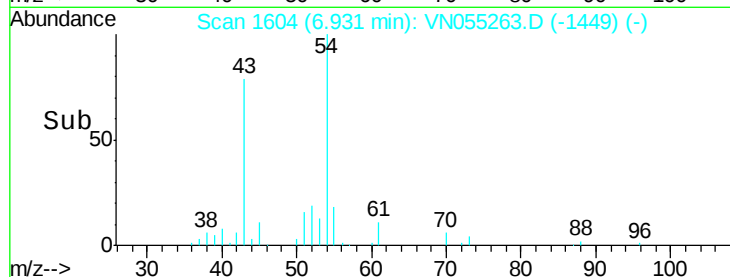
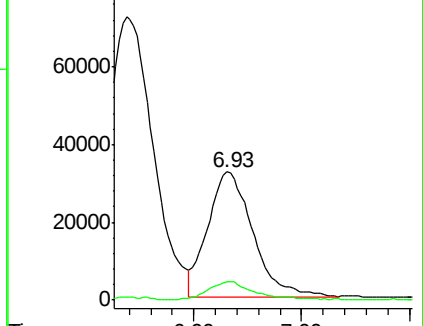
MMdadoda

4/26/2019 10:58:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 45.00 (44.70 to 45.70): VN0



#44

Isopropyl Acetate

Concen: 18.362 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055263.D

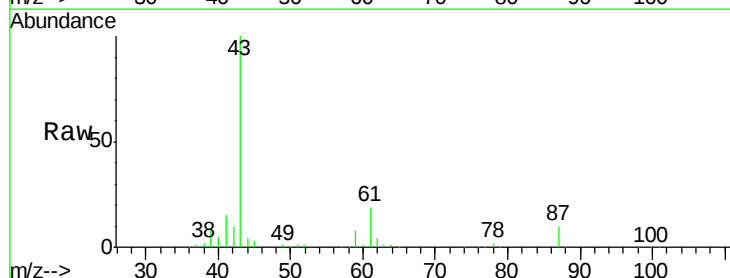
Acq: 26 Apr 2019 00:19

Tgt Ion: 43 Resp: 168267

Ion Ratio Lower Upper

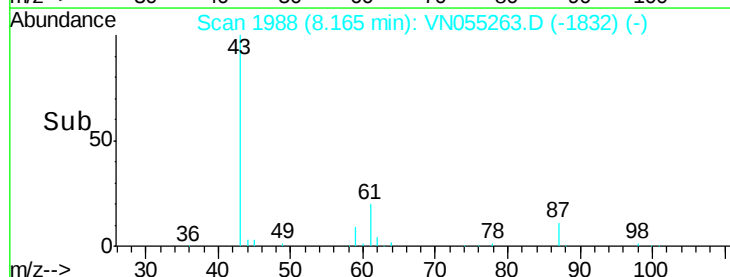
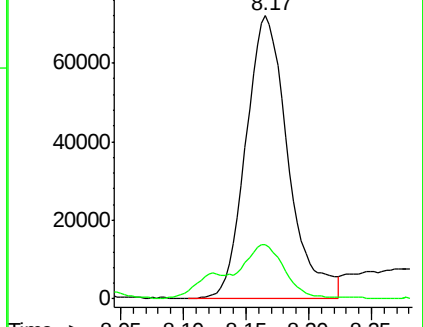
43 100

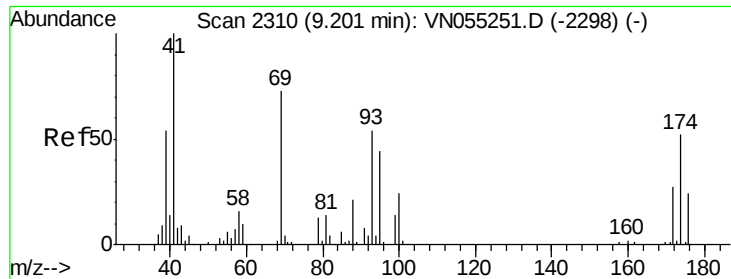
61 18.0 12.6 18.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





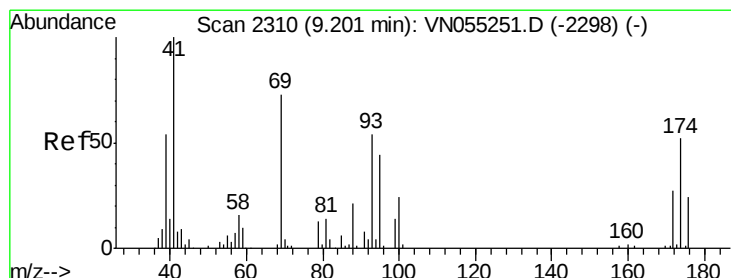
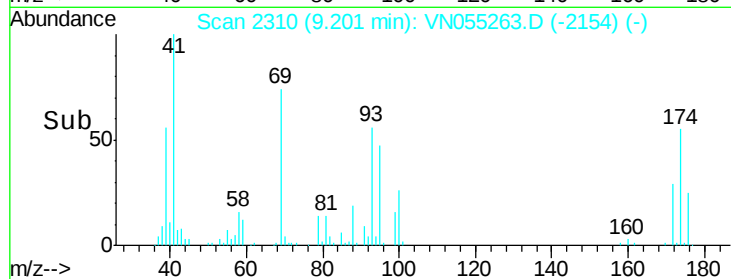
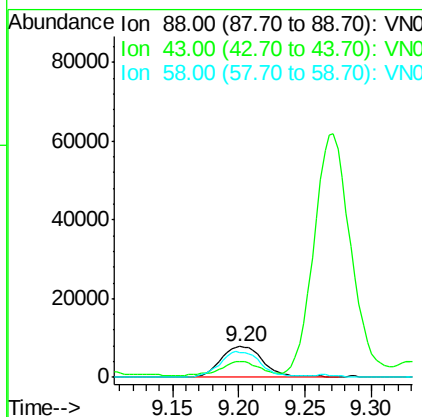
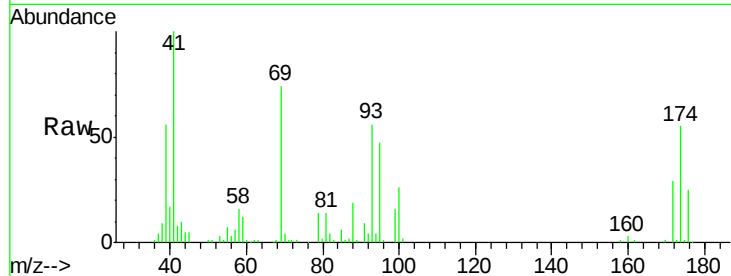
#45
 1,4-Dioxane
 Concen: 373.783 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	88	Resp	17752
Ion	Ratio	Lower	Upper
88	100		
43	43.5	29.4	44.0
58	78.8	62.4	93.6

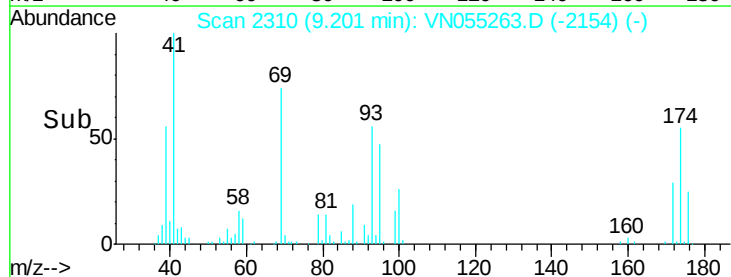
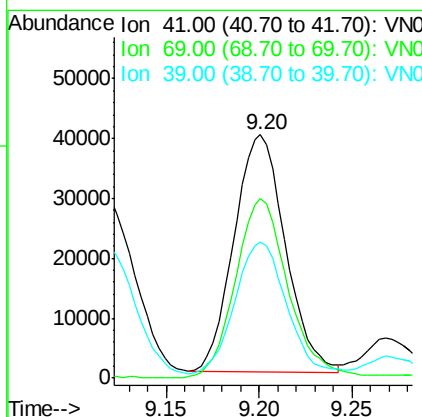
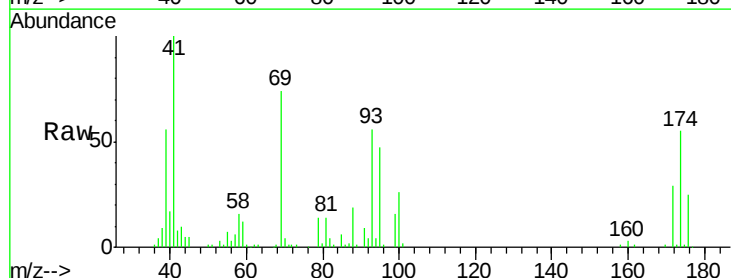
Manual Integrations
 APPROVED

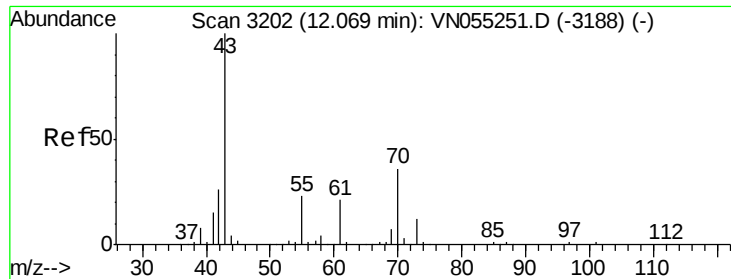
MMdadoda
 4/26/2019 10:58:33 AM



#46
 Methyl methacrylate
 Concen: 17.752 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	41	Resp	76595
Ion	Ratio	Lower	Upper
41	100		
69	75.5	36.4	109.3
39	55.6	26.9	80.7





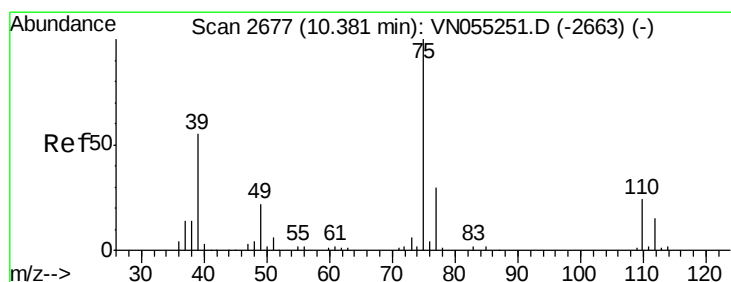
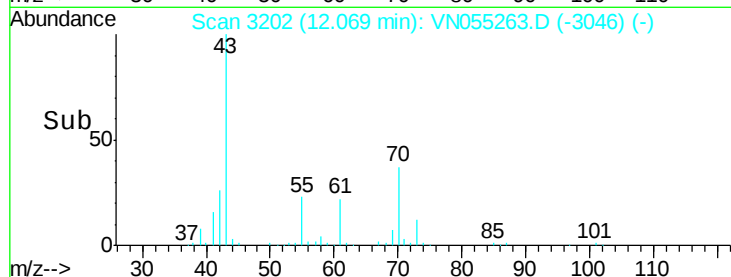
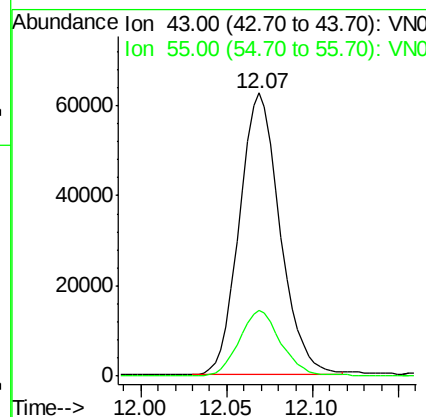
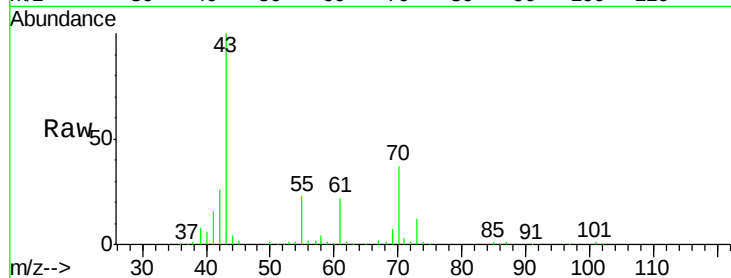
#47
n-amvl Acetate
Concen: 15.643 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 43 Resp: 101978
Ion Ratio Lower Upper
43 100
55 23.8 18.1 27.1

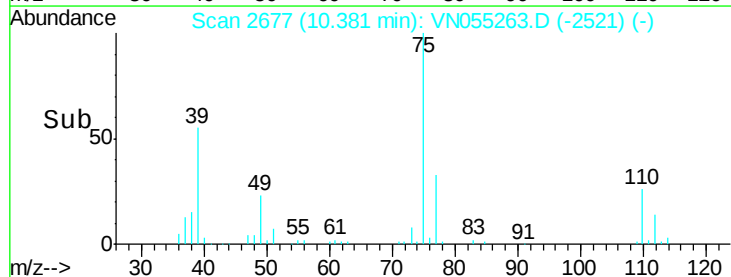
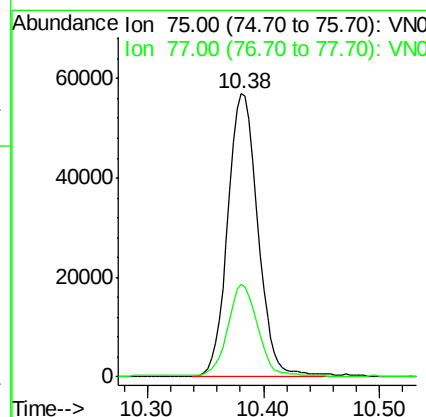
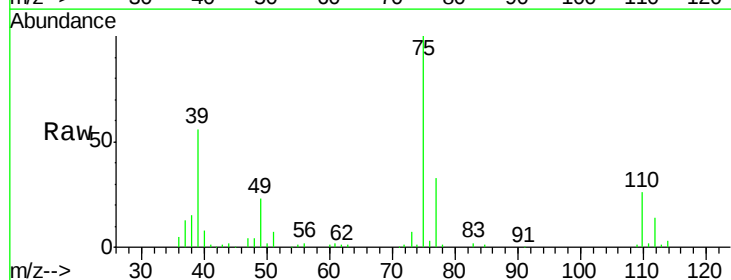
Manual Integrations
APPROVED

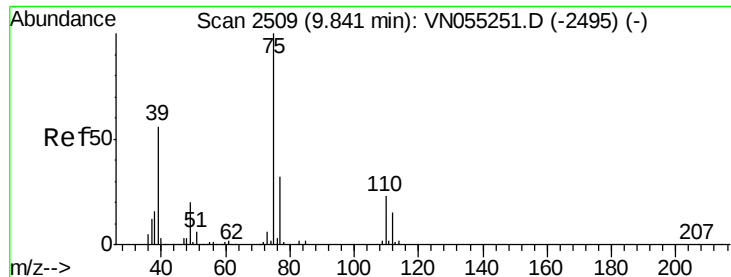
MMDadoda
4/26/2019 10:58:33 AM



#48
t-1,3-Dichloropropene
Concen: 17.467 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion: 75 Resp: 102920
Ion Ratio Lower Upper
75 100
77 32.4 23.9 35.9





#49

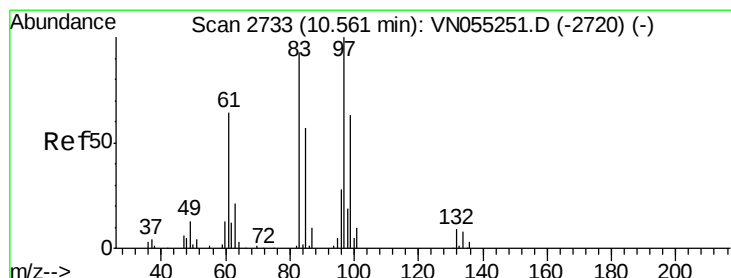
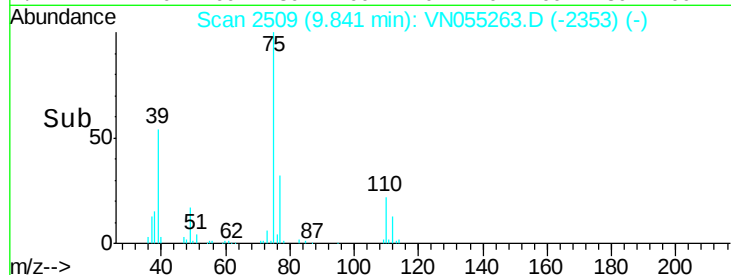
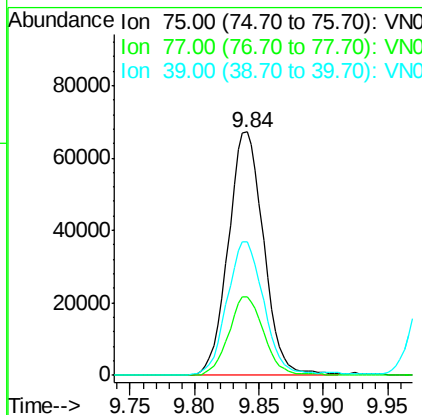
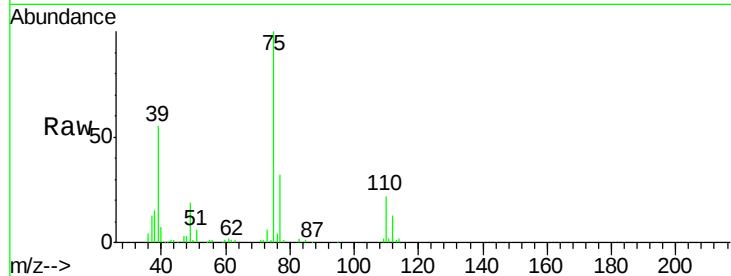
cis-1,3-Dichloropropene
 Concen: 18.762 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	75	Resp:	128251
Ion Ratio	Lower	Upper	
75	100		
77	32.0	25.9	38.9
39	54.4	45.0	67.6

Manual Integrations
 APPROVED

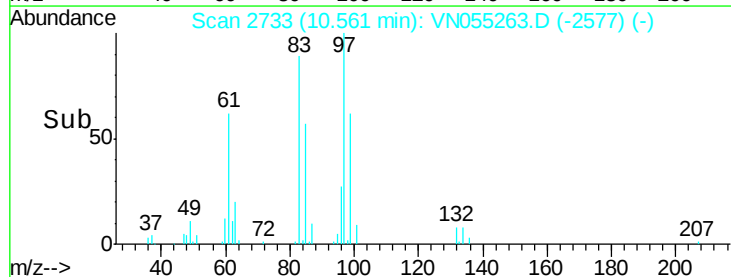
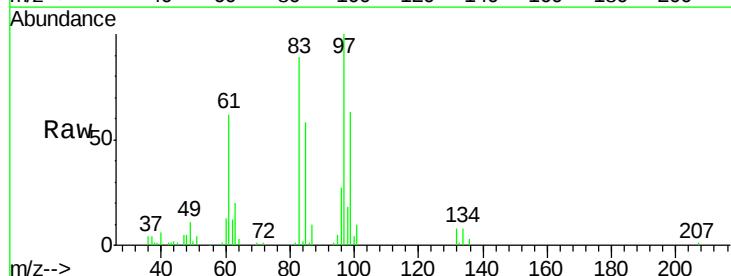
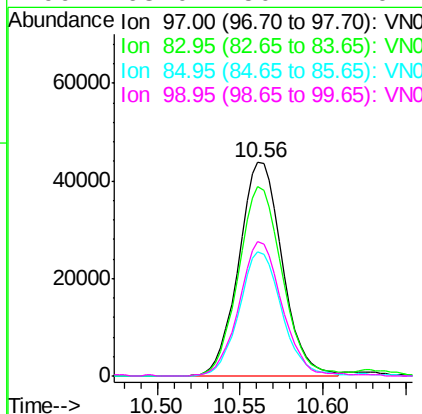
MMdadoda
 4/26/2019 10:58:33 AM

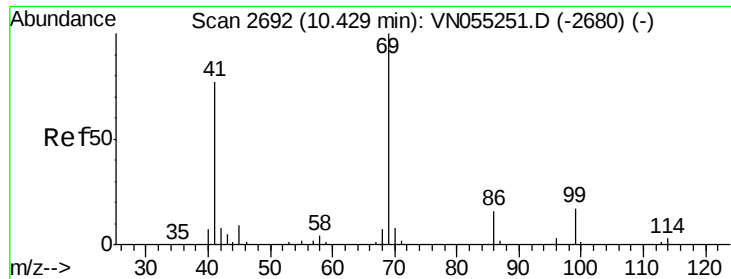


#50

1,1,2-Trichloroethane
 Concen: 19.948 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion:	97	Resp:	80062
Ion Ratio	Lower	Upper	
97	100		
83	88.5	74.6	111.8
85	58.3	45.4	68.2
99	63.0	50.7	76.1





#51

Ethyl methacrylate

Concen: 17.727 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

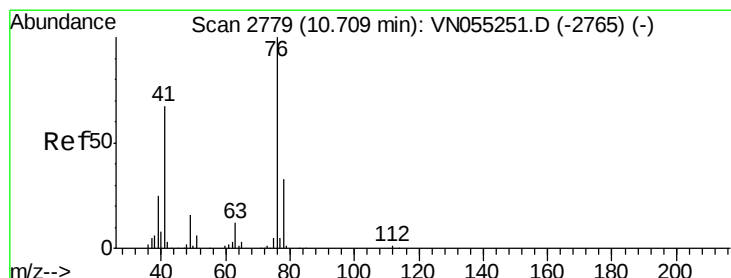
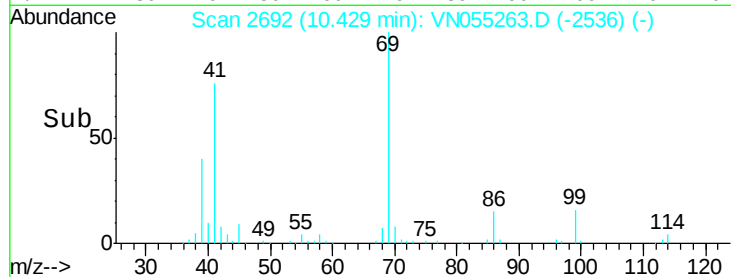
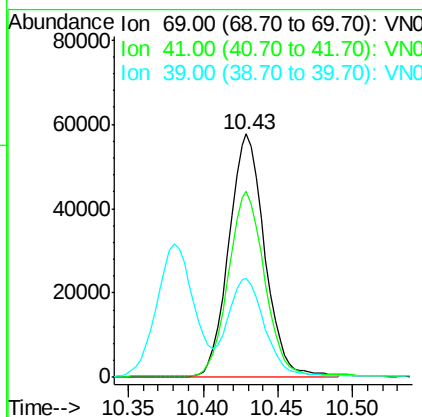
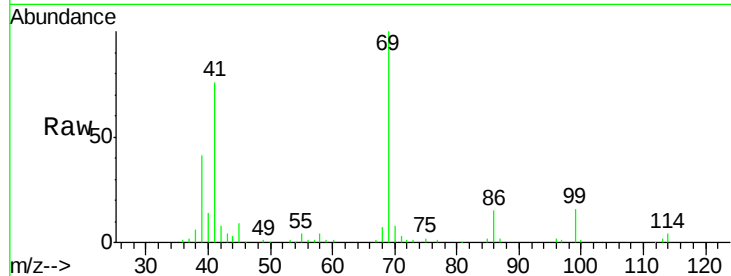
ClientSampleId :

VSTDCCC020EC

Tot Ion:	69	Resp:	96724
Ion	Ratio	Lower	Upper
69	100		
41	75.7	38.7	116.1
39	40.0	19.9	59.6

Manual Integrations
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MMDadoda
4/26/2019 10:58:33 AM



#52

1,3-Dichloropropane

Concen: 18.935 ug/l

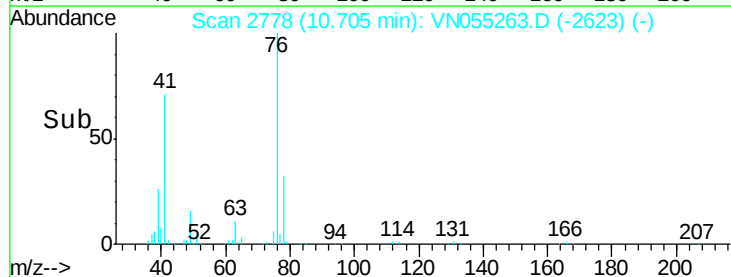
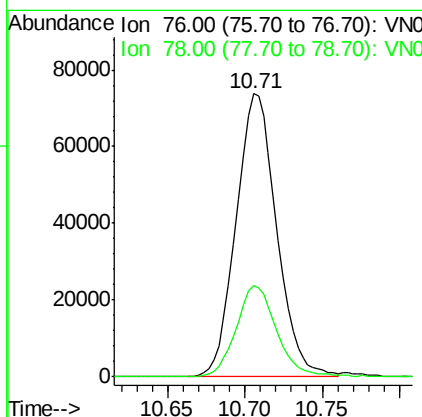
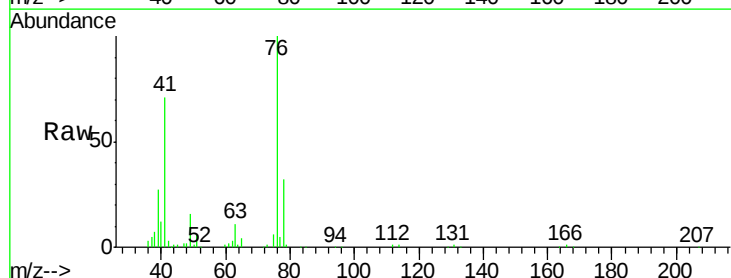
RT: 10.71 min Scan# 2778

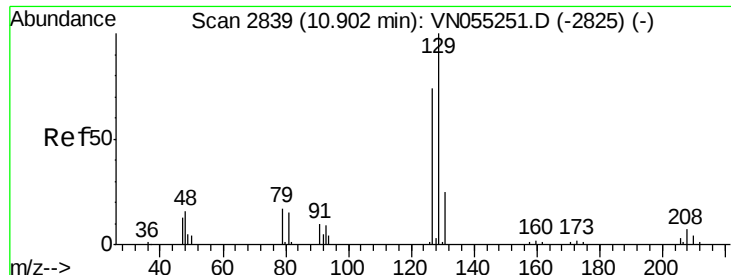
Delta R.T. -0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Tgt Ion:	76	Resp:	134555
Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	63.0





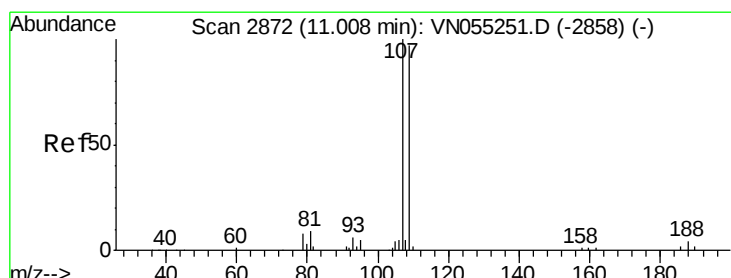
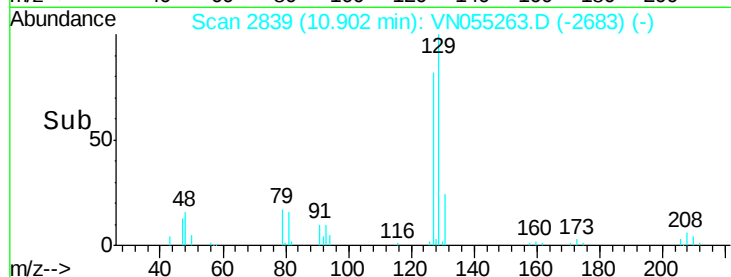
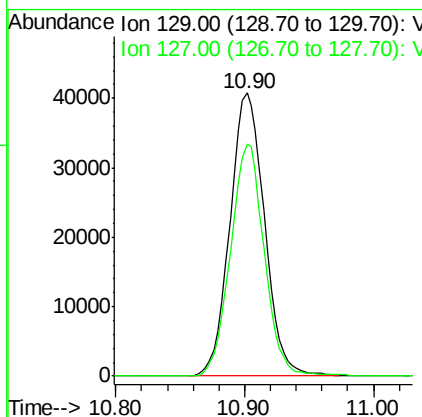
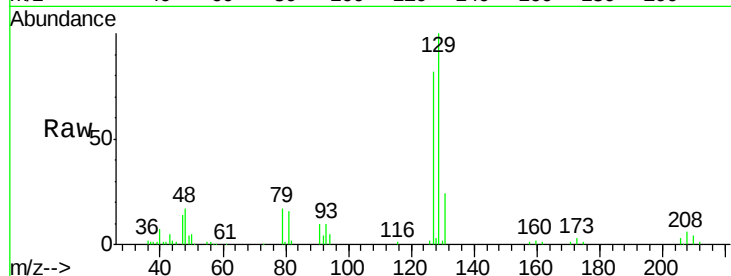
#53
Dibromochloromethane
Concen: 18.273 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:129 Resp: 75844
Ion Ratio Lower Upper
129 100
127 79.8 38.8 116.3

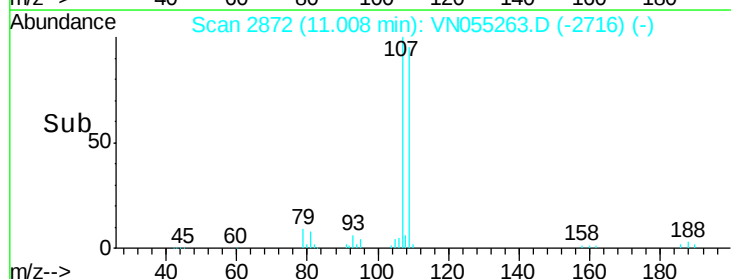
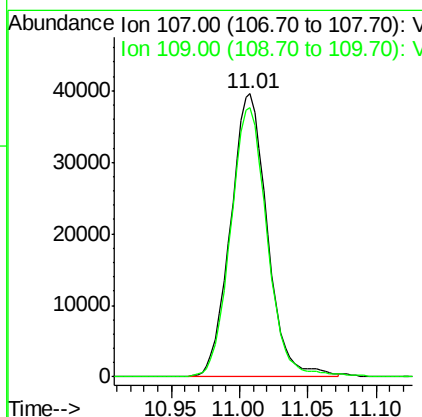
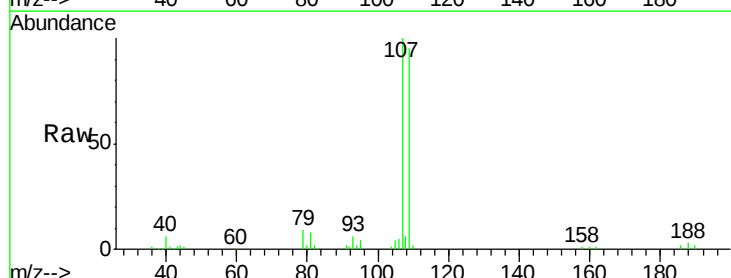
Manual Integrations
APPROVED

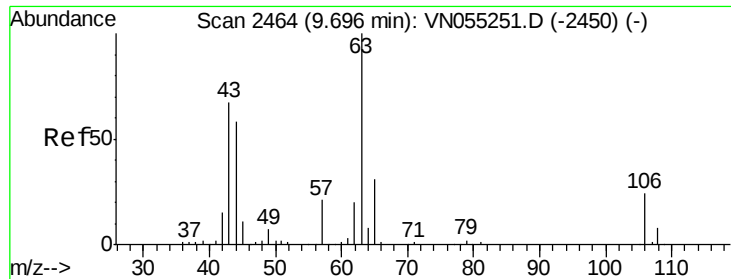
MMdadoda
4/26/2019 10:58:33 AM



#54
1,2-Dibromoethane
Concen: 19.021 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion:107 Resp: 74067
Ion Ratio Lower Upper
107 100
109 94.8 75.2 112.8





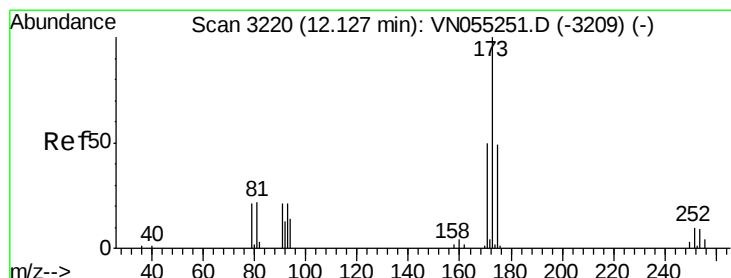
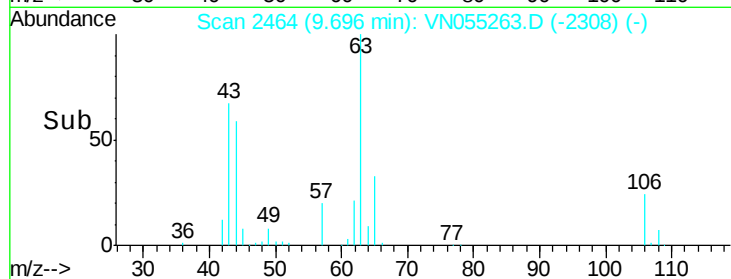
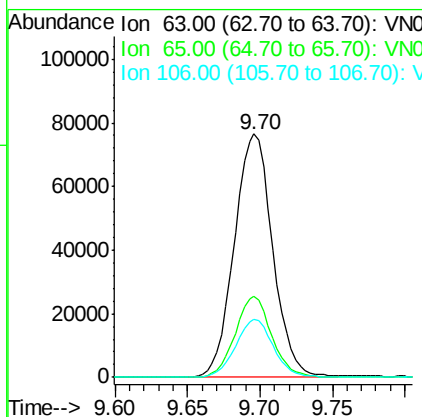
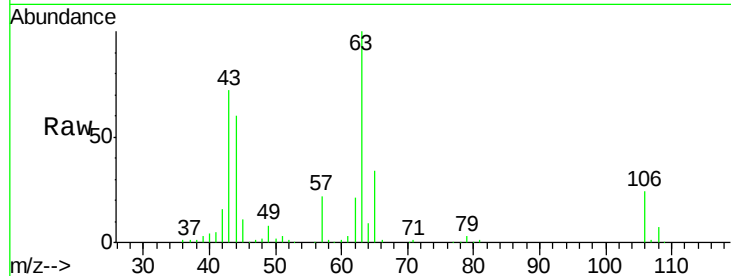
#55
2-Chloroethyl vinyl ether
Concen: 85.547 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.6	25.1	37.7
106	23.4	19.4	29.0

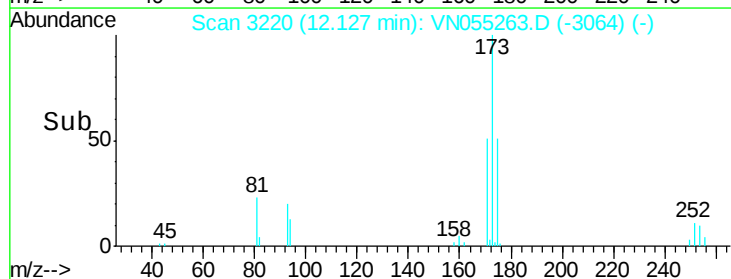
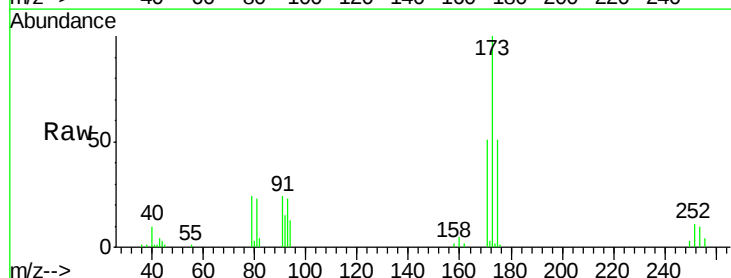
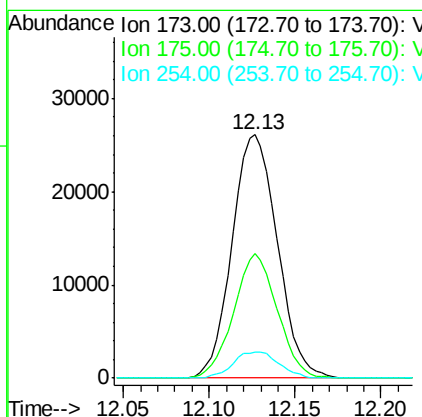
Manual Integrations
APPROVED

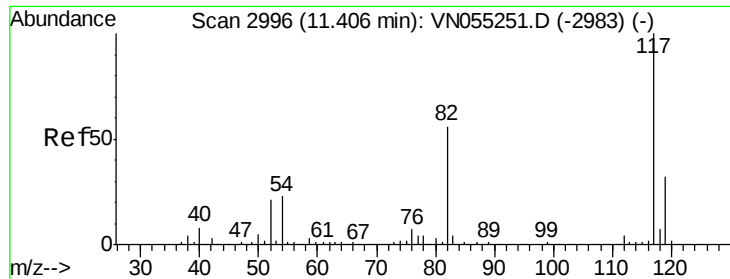
MMDadoda
4/26/2019 10:58:33 AM



#56
Bromoform
Concen: 17.637 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	37.7	56.5
254	10.8	7.8	11.6





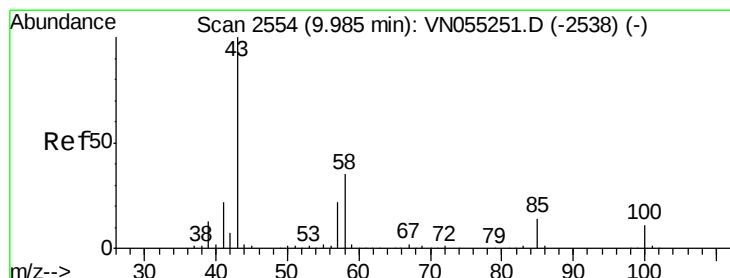
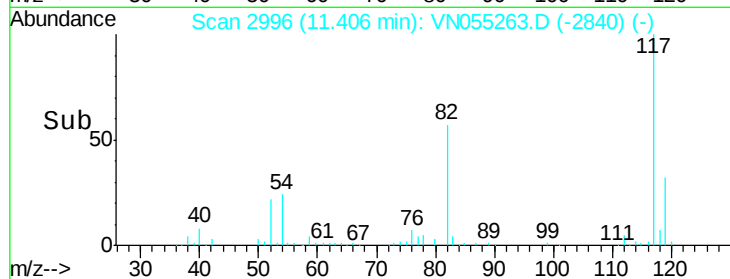
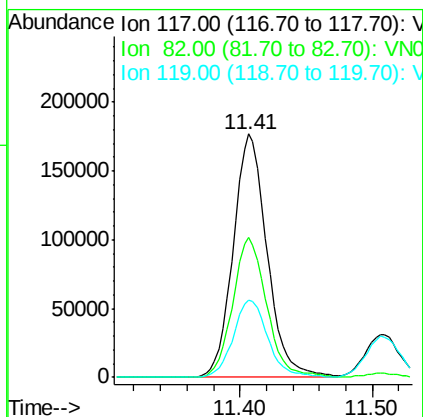
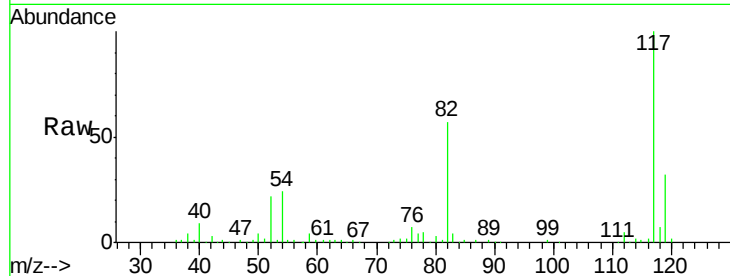
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.5	45.3	67.9
119	32.3	25.4	38.0

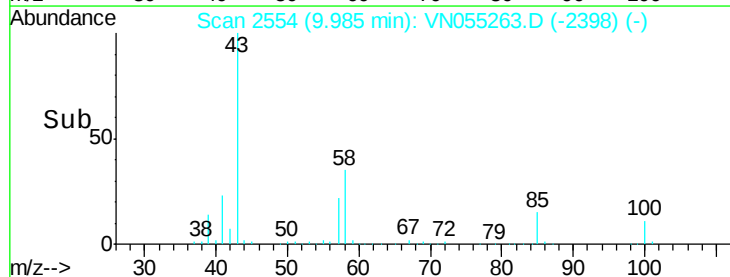
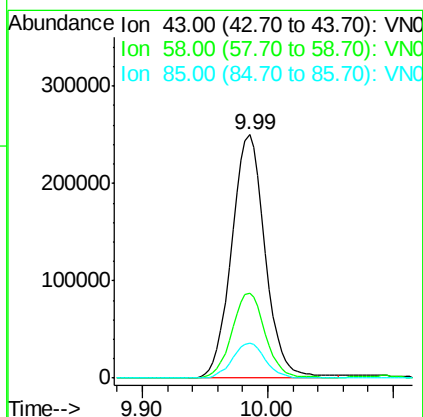
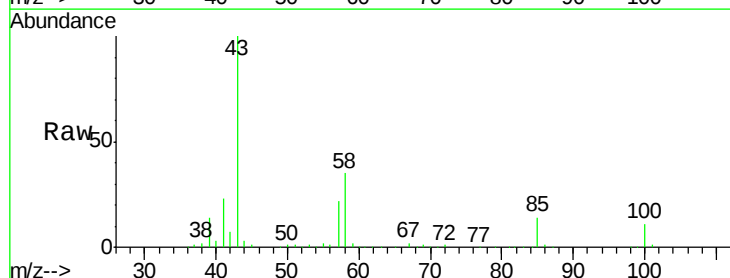
Manual Integrations
APPROVED

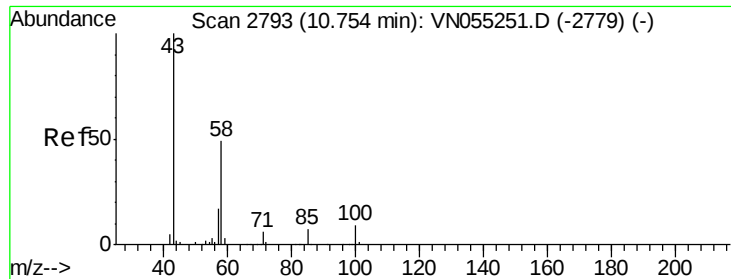
MMdadoda
4/26/2019 10:58:33 AM



#58
4-Methyl-2-Pentanone
Concen: 94.339 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.8	28.6	43.0
85	14.4	11.4	17.2





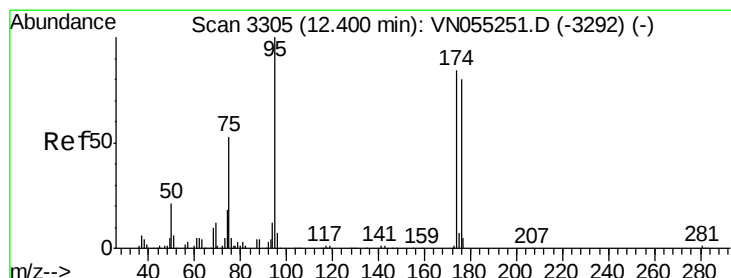
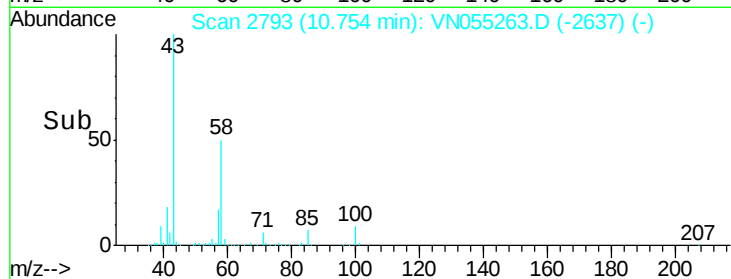
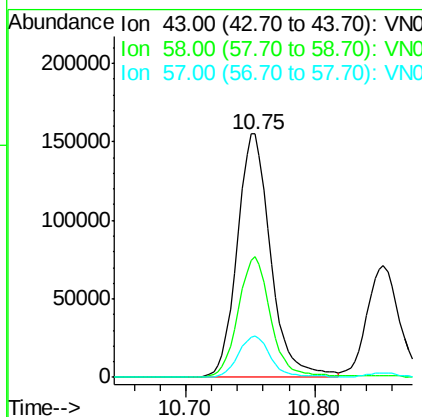
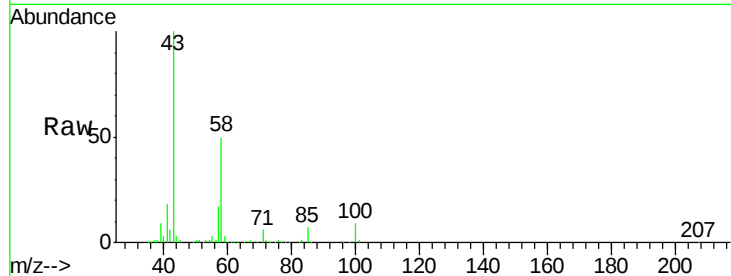
#59
2-Hexanone
Concen: 88.816 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.0	58.6
57	16.5	13.4	20.2

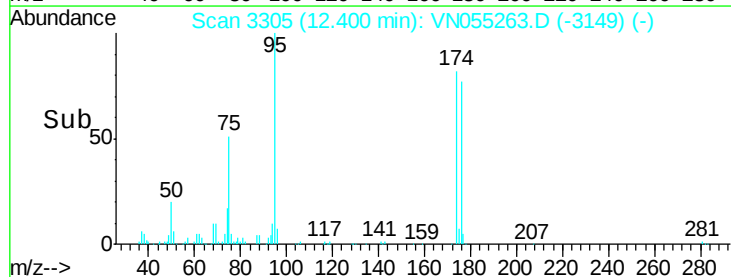
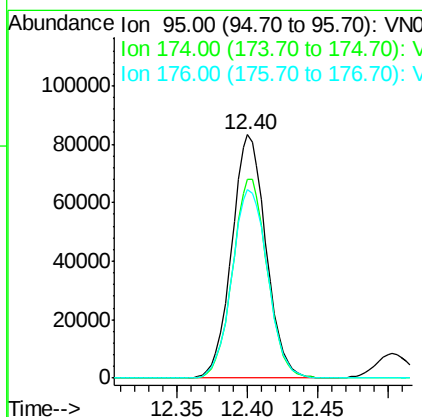
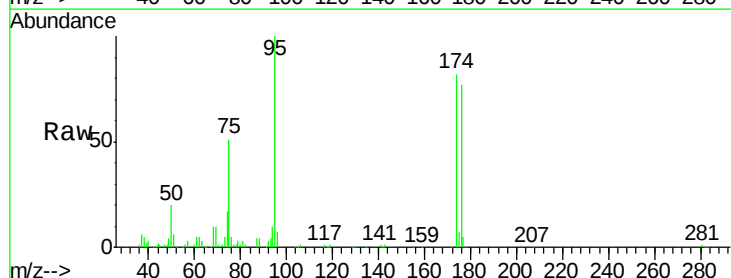
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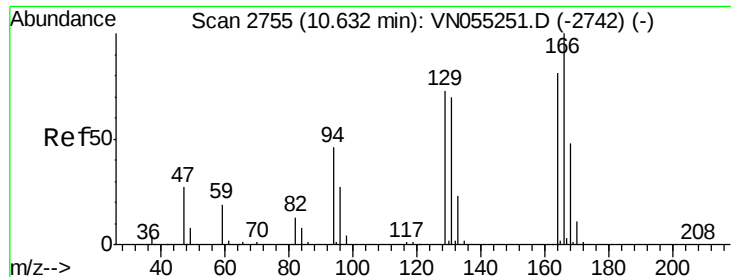
MMDadoda
4/26/2019 10:58:33 AM



#60
4-Bromofluorobenzene
Concen: 29.316 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.5	68.1	102.1
176	81.0	65.8	98.6





#61

Tetrachloroethene

Concen: 21.177 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:164 Resp: 86280

Ion Ratio Lower Upper

164 100

166 126.5 98.6 147.8

129 93.3 72.4 108.6

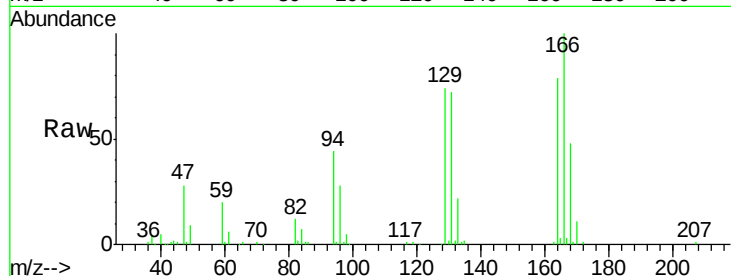
131 91.1 69.2 103.8

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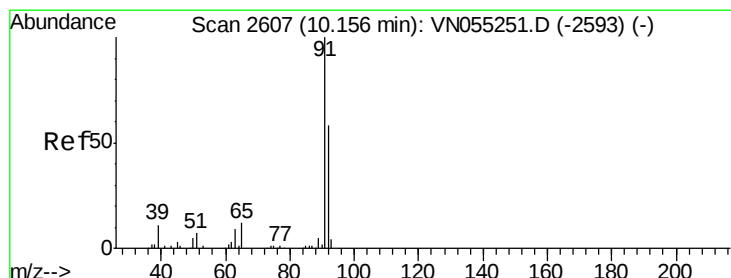
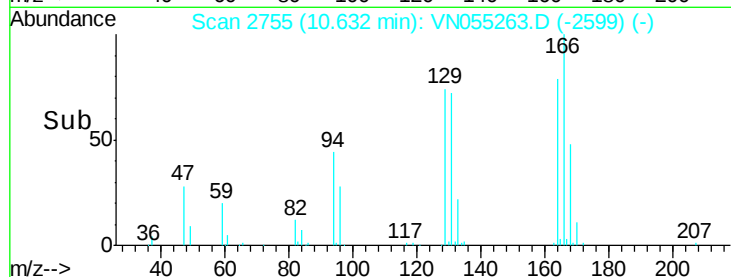
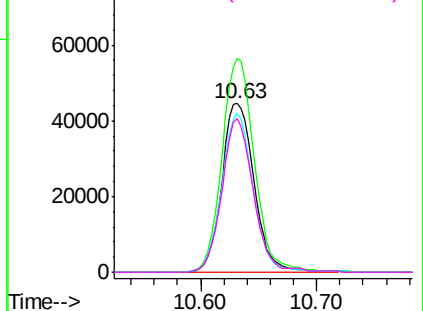


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.392 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055263.D

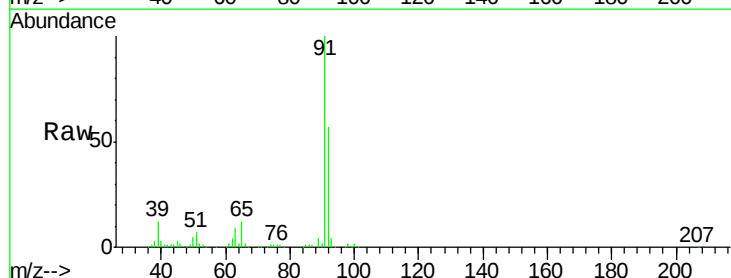
Acq: 26 Apr 2019 00:19

Tgt Ion: 91 Resp: 362256

Ion Ratio Lower Upper

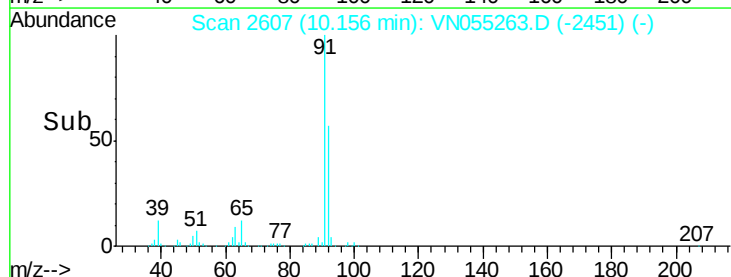
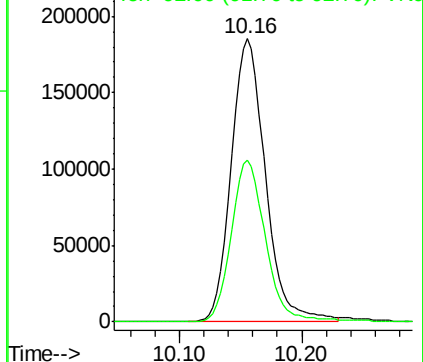
91 100

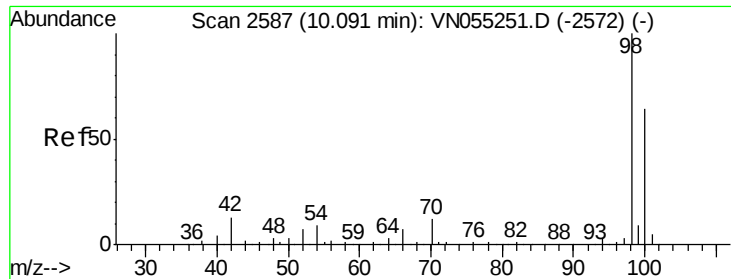
92 56.9 44.3 66.5



Abundance Ion 91.00 (90.70 to 91.70): VNO

Ion 92.00 (91.70 to 92.70): VNO





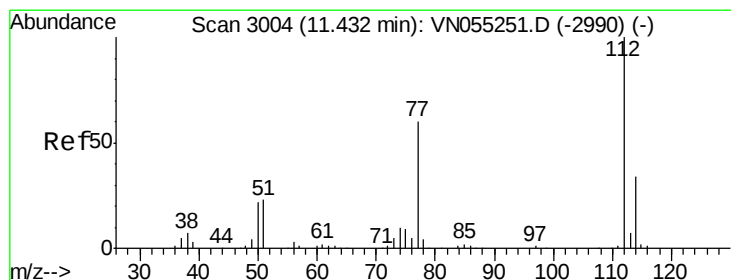
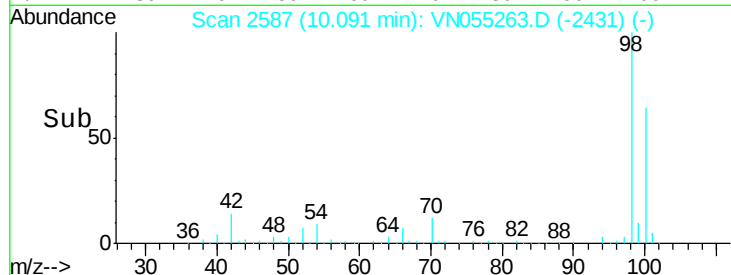
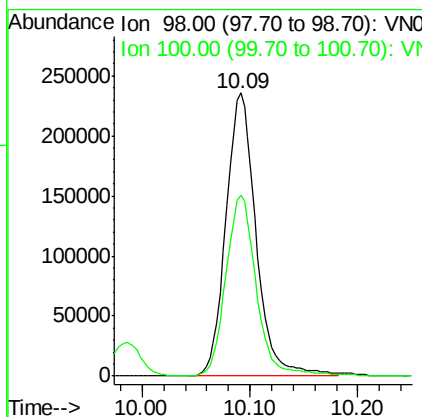
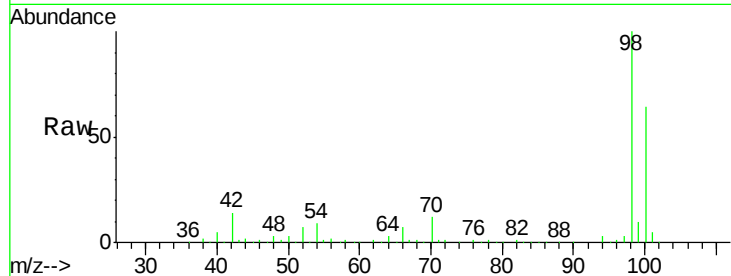
#63
Toluene-d8
Concen: 30.875 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 98 Resp: 460584
Ion Ratio Lower Upper
98 100
100 63.3 50.0 75.0

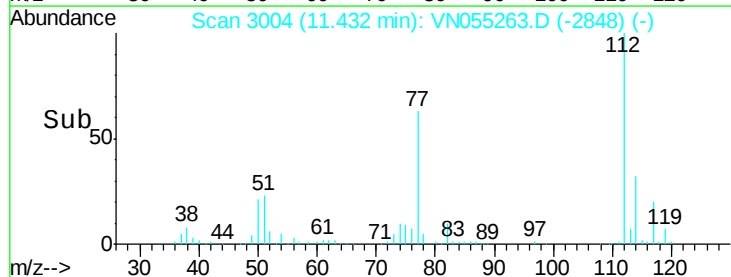
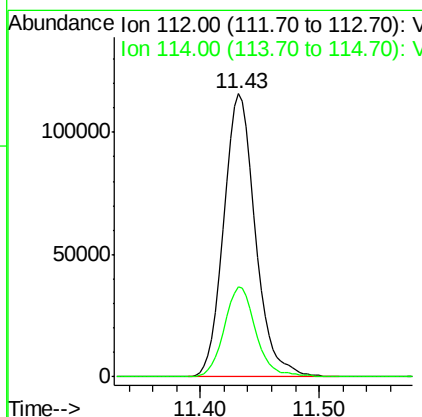
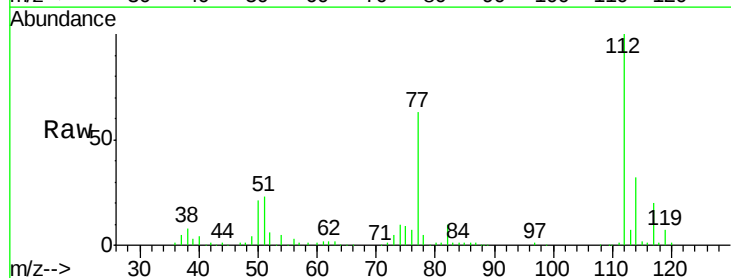
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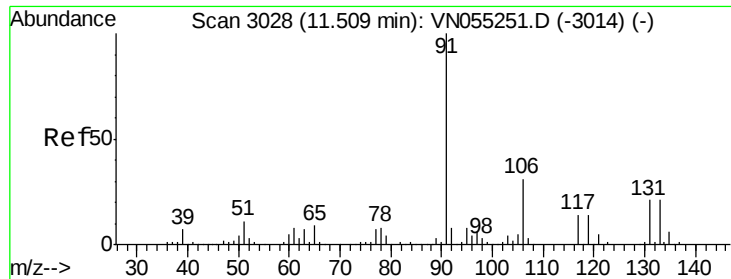
MMdadoda
4/26/2019 10:58:33 AM



#64
Chlorobenzene
Concen: 20.270 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion: 112 Resp: 213332
Ion Ratio Lower Upper
112 100
114 31.7 26.9 40.3





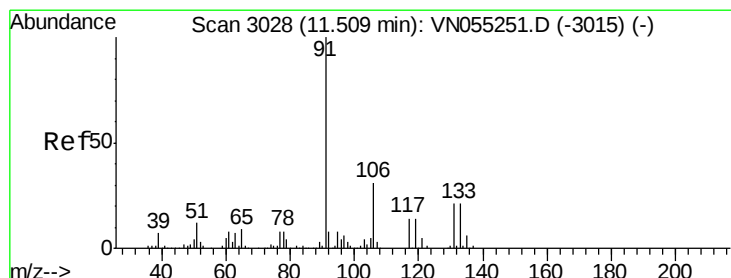
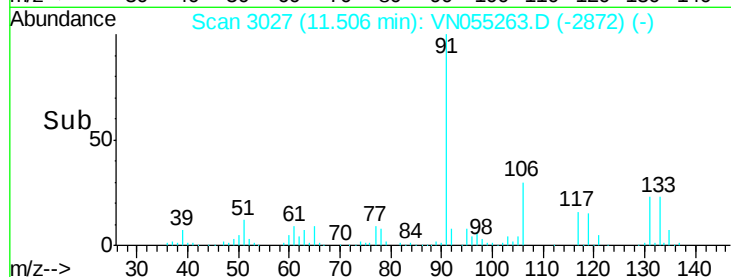
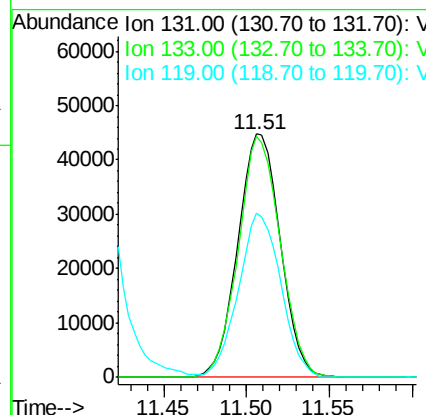
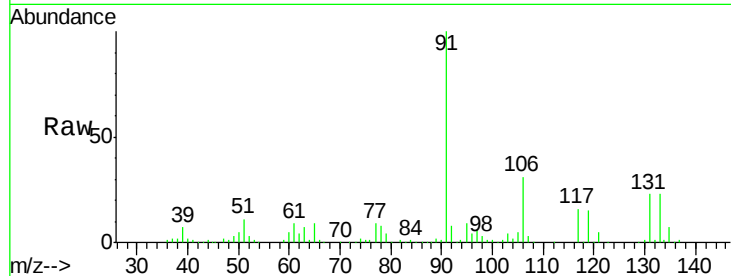
#65
 1,1,1,2-Tetrachloroethane
 Concen: 20.381 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
131	100		
133	97.7	0.0	195.6
119	67.1	0.0	135.0

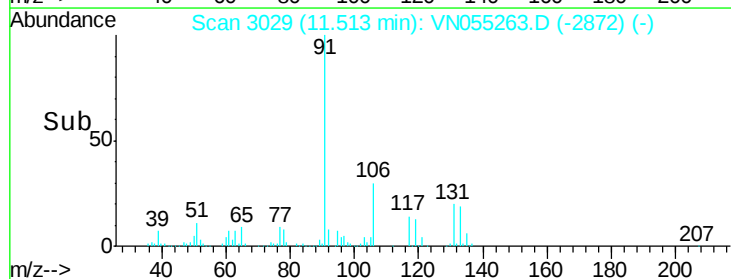
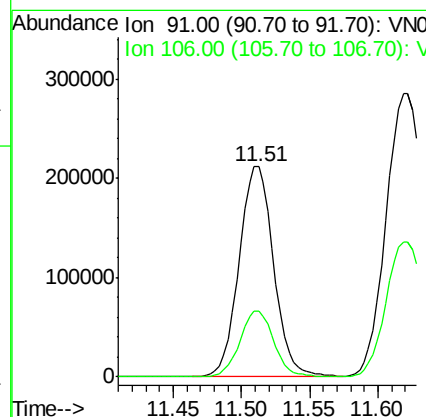
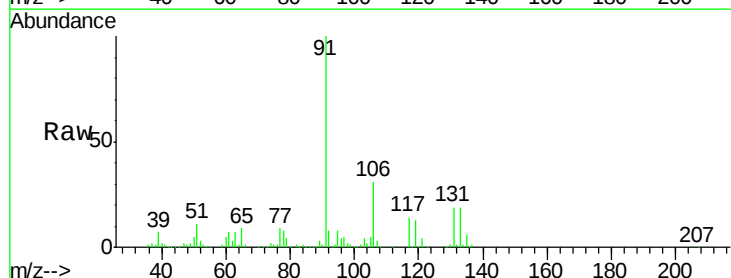
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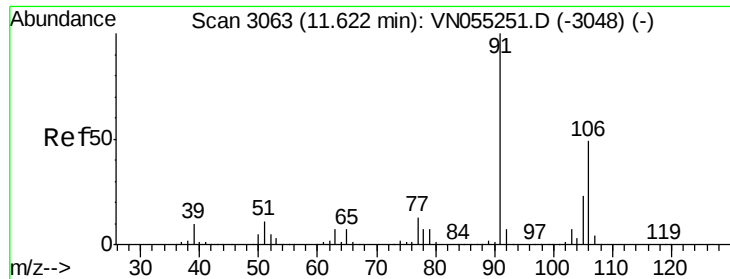
MMDadoda
 4/26/2019 10:58:33 AM



#66
 Ethyl Benzene
 Concen: 19.800 ug/l
 RT: 11.51 min Scan# 3029
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.5	36.7





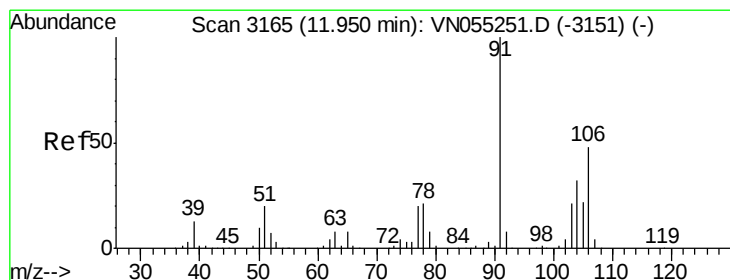
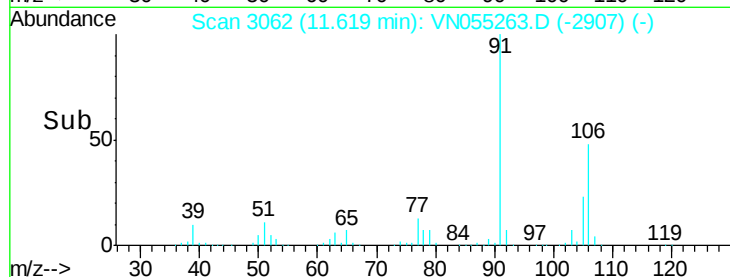
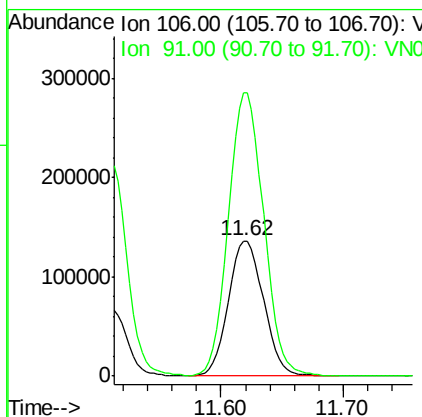
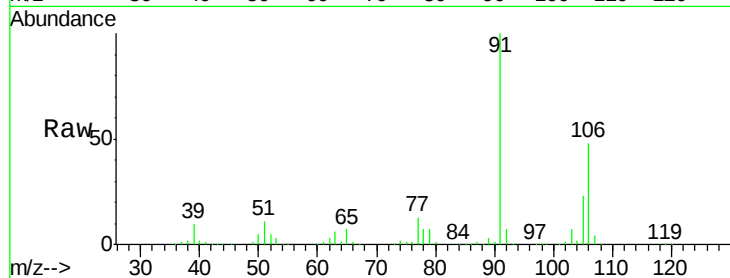
#67
m/p-Xvlenes
Concen: 39.599 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:106 Resp: 273798
Ion Ratio Lower Upper
106 100
91 209.8 165.4 248.2

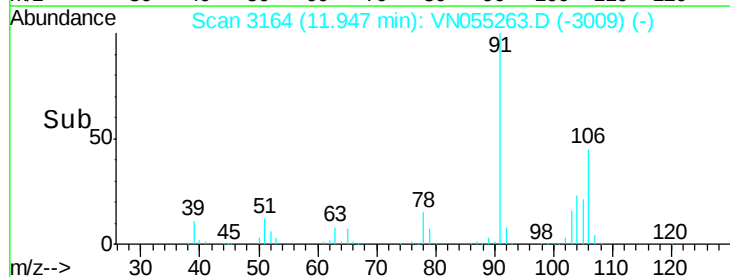
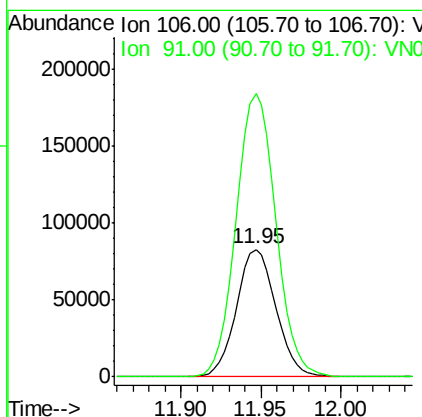
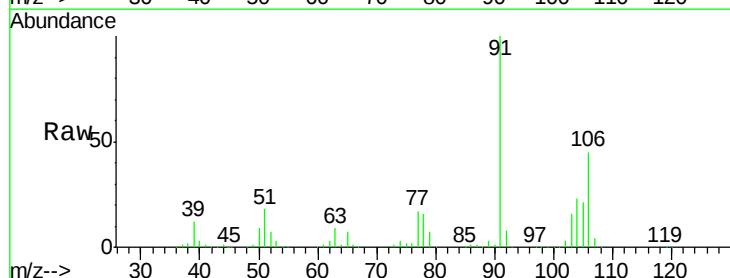
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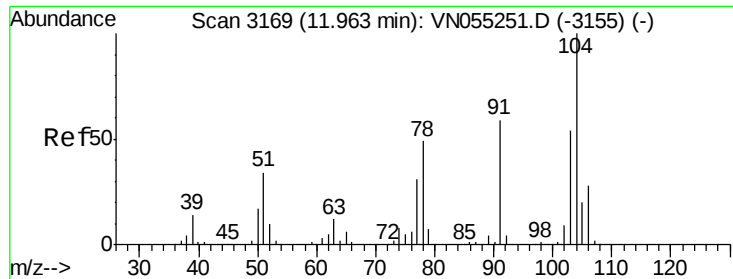
MMDadoda
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#68
o-Xylene
Concen: 20.145 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion:106 Resp: 139015
Ion Ratio Lower Upper
106 100
91 224.3 106.8 320.4





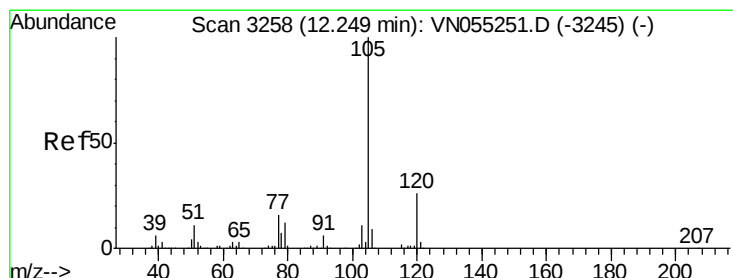
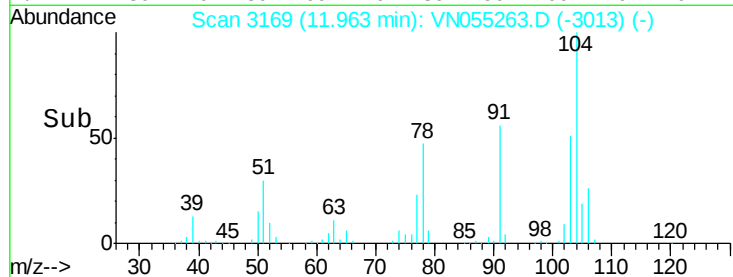
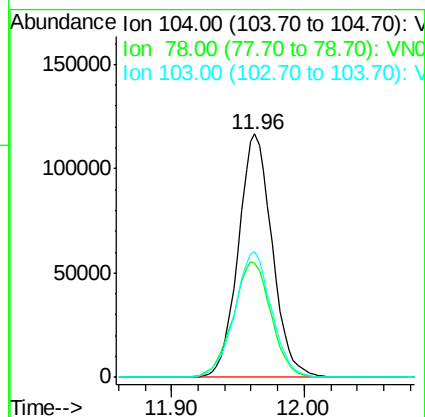
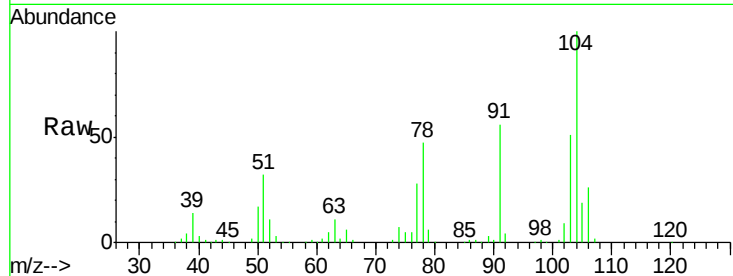
#69
Stvrene
Concen: 19.386 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.4	63.6
103	55.8	45.3	67.9

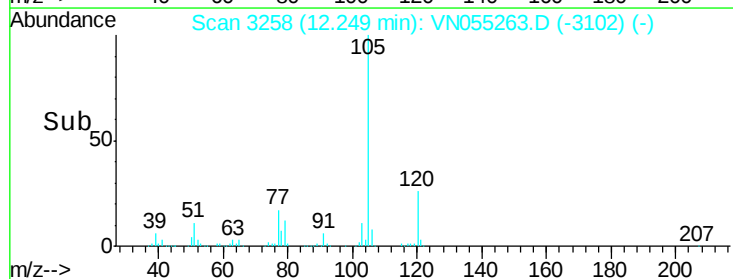
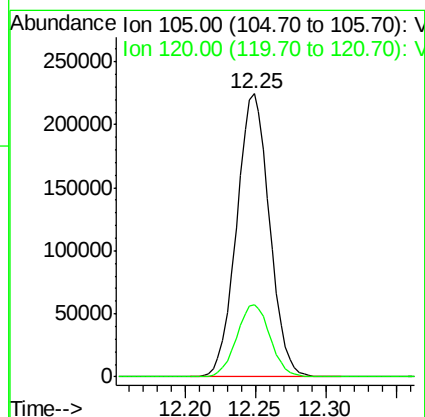
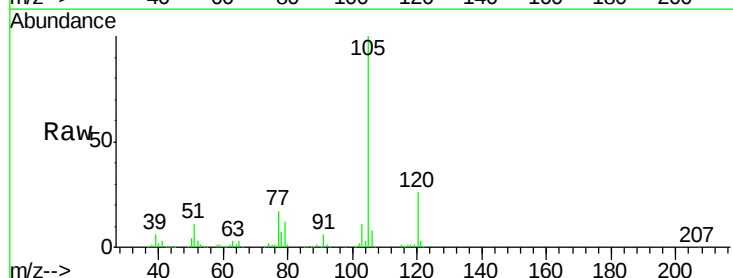
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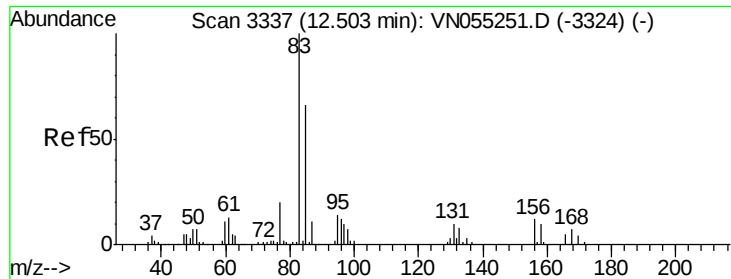
MMDadoda
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#70
Isopropylbenzene
Concen: 20.155 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.1	18.1	33.7





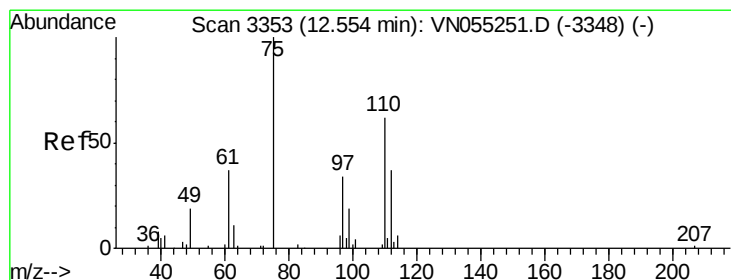
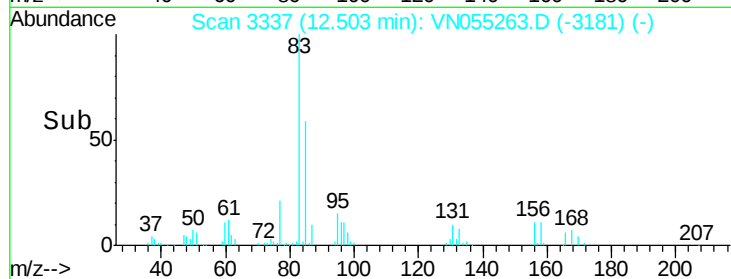
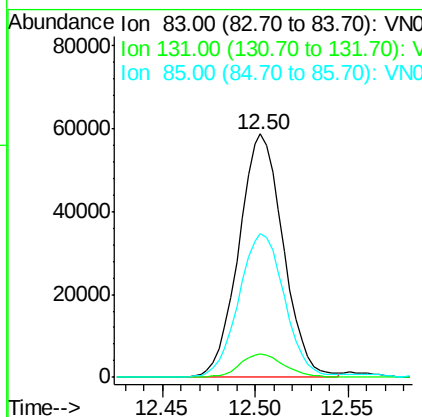
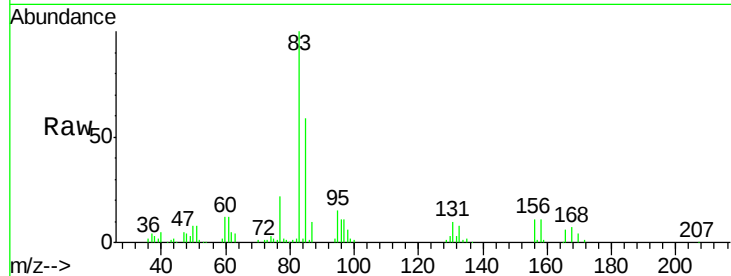
#71
 1,1,2,2-Tetrachloroethane
 Concen: 19.562 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	83	Resp	97937
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	60.9	32.3	96.8

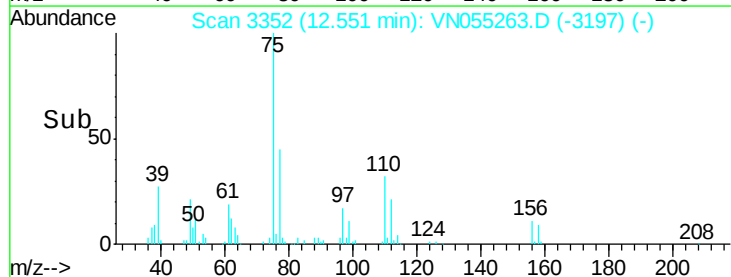
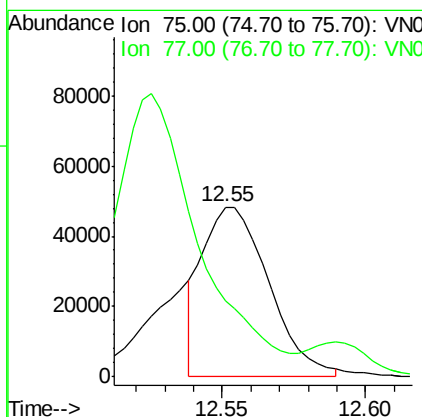
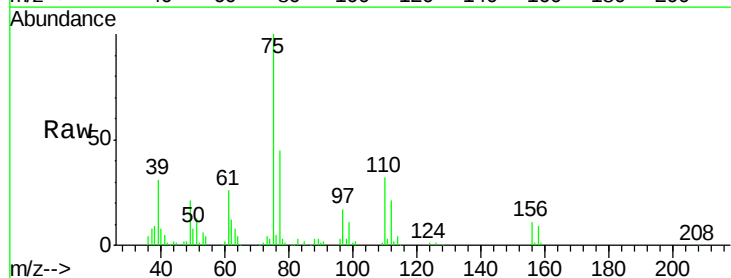
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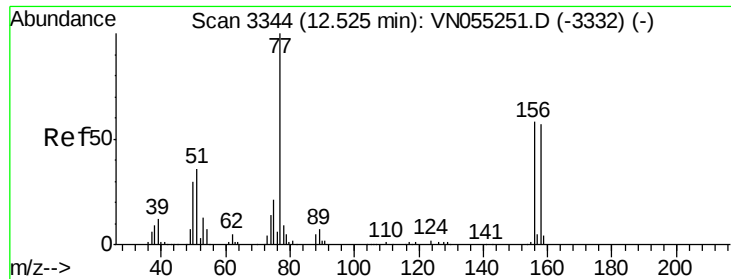
MMDadoda
 4/26/2019 10:58:33 AM



#72
 1,2,3-Trichloropropane
 Concen: 17.853 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	75	Resp	77482
Ion	Ratio	Lower	Upper
75	100		
77	214.9	0.0	410.2





#73

Bromobenzene

Concen: 19.144 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

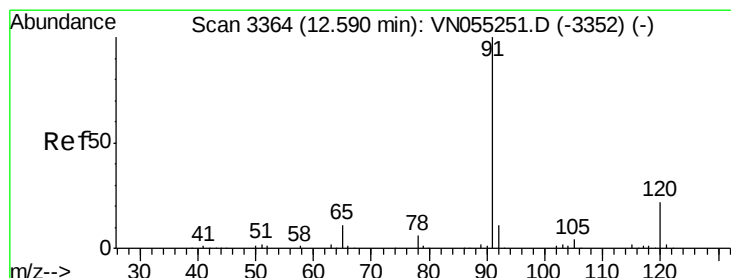
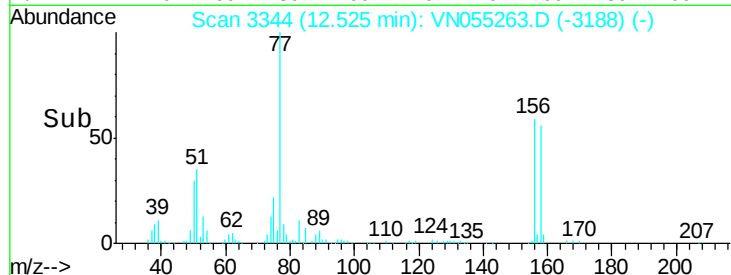
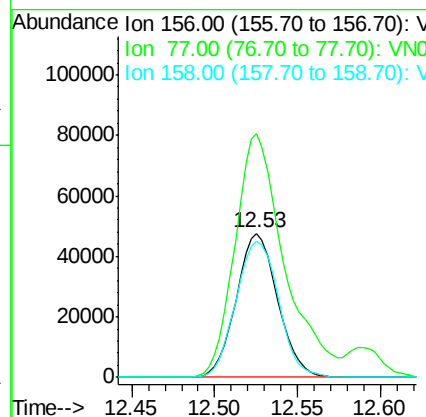
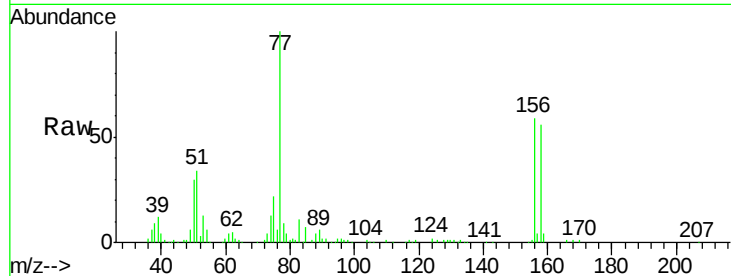
ClientSampleId :

VSTDCCC020EC

Tot Ion:156 Resp: 82664
 Ion Ratio Lower Upper
 156 100
 77 201.5 0.0 403.2
 158 98.0 0.0 195.8

Manual Integrations
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 4/26/2019 10:58:33 AM



#74

n-propylbenzene

Concen: 18.971 ug/l

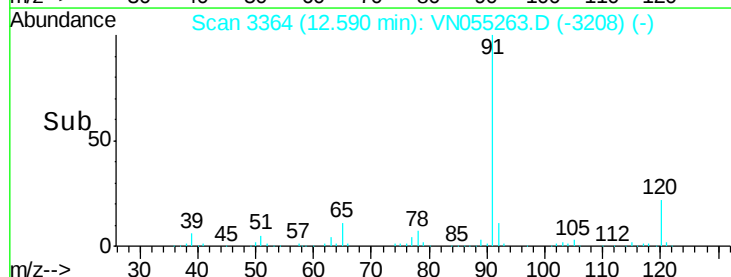
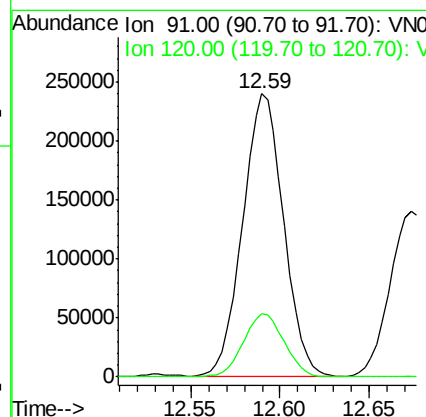
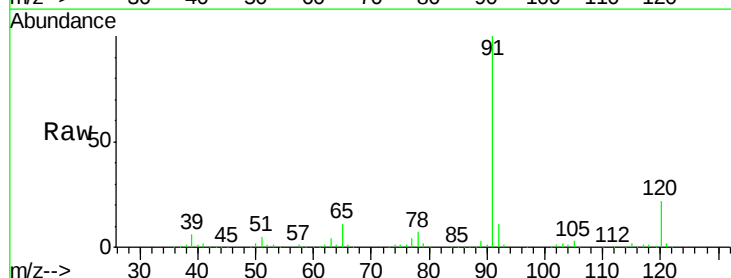
RT: 12.59 min Scan# 3364

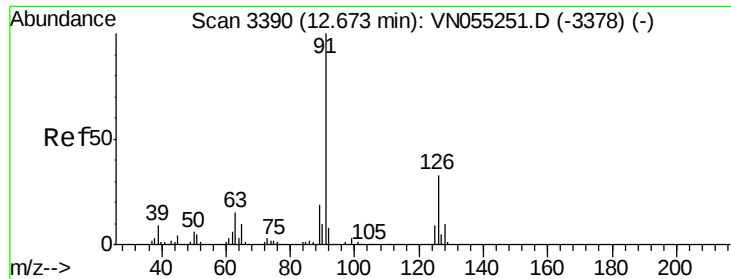
Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Tgt Ion: 91 Resp: 384580
 Ion Ratio Lower Upper
 91 100
 120 22.2 0.0 43.6





#75

2-Chlorotoluene

Concen: 19.415 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 91 Resp: 241421

Ion Ratio Lower Upper

91 100

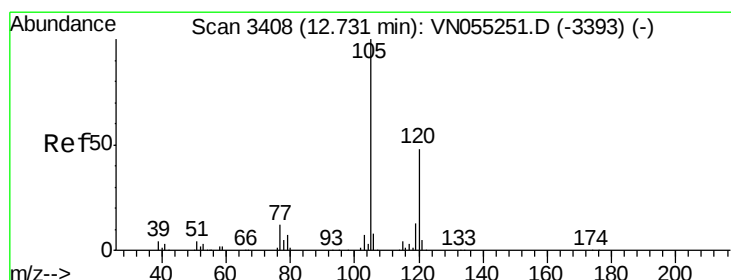
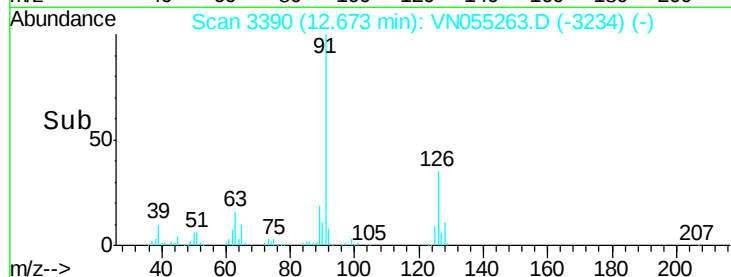
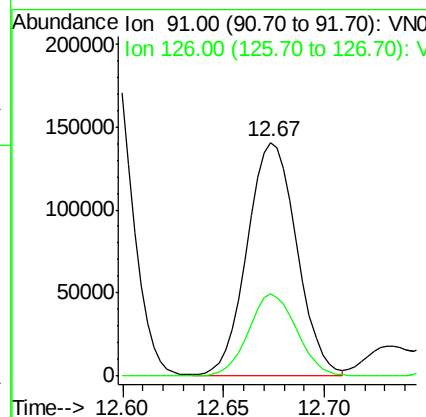
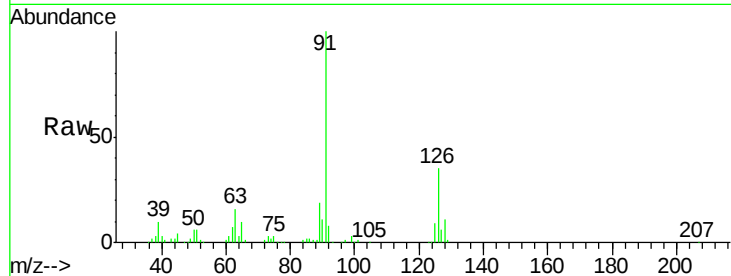
126 34.3 0.0 65.8

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#76

1,3,5-Trimethylbenzene

Concen: 18.802 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055263.D

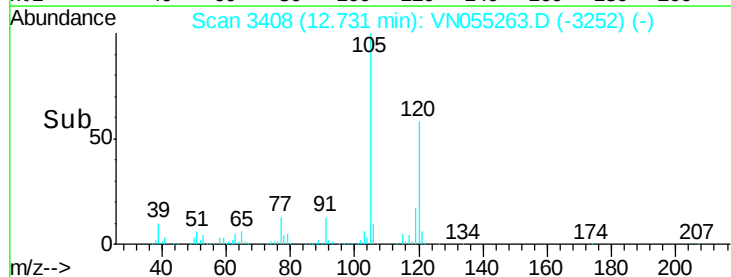
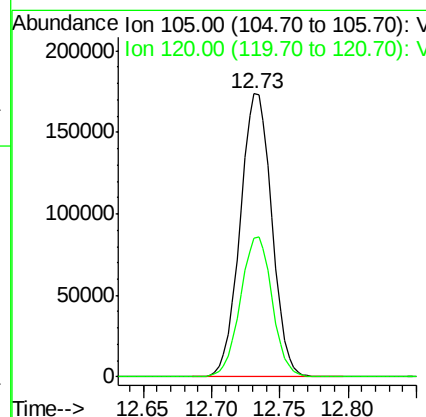
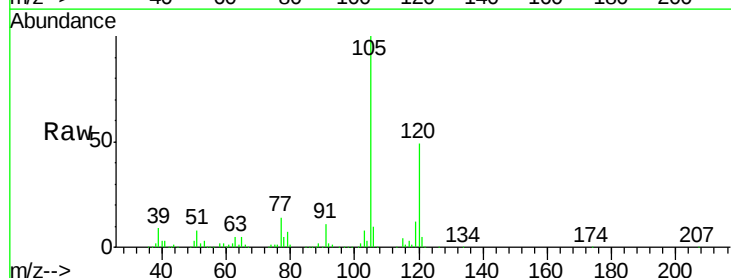
Acq: 26 Apr 2019 00:19

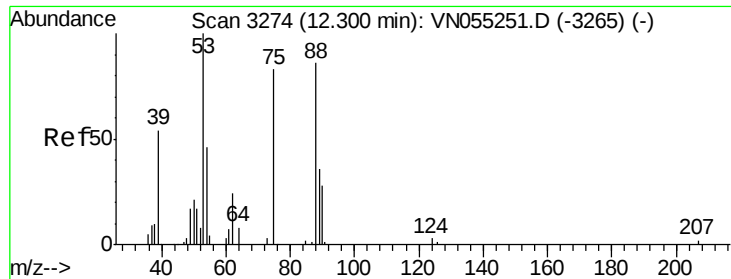
Tgt Ion: 105 Resp: 280289

Ion Ratio Lower Upper

105 100

120 49.5 0.0 94.8





#77

t-1,4-Dichloro-2-butene

Concen: 15.967 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

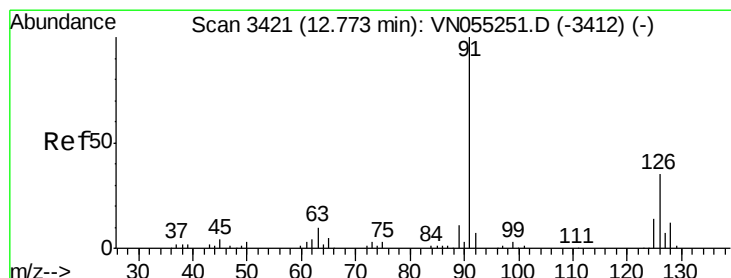
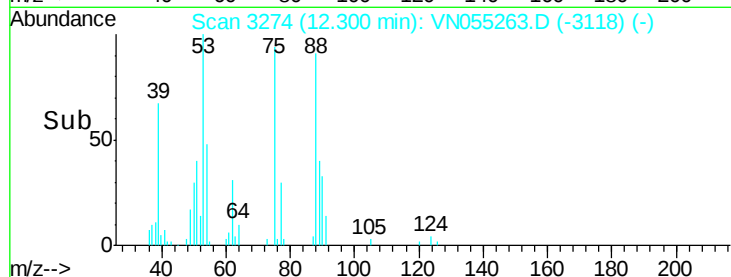
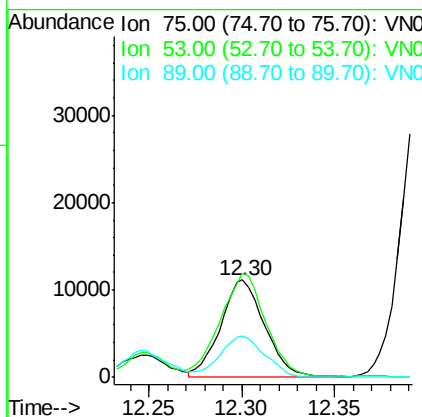
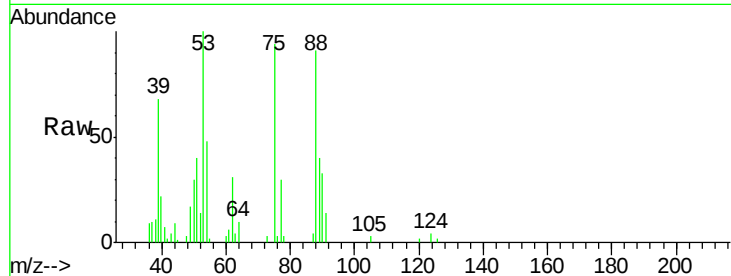
ClientSampleId :

VSTDCCC020EC

Tot Ion:	75	Resp:	18444
Ion	Ratio	Lower	Upper
75	100		
53	105.3	59.5	178.5
89	42.7	23.1	69.2

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#78

4-Chlorotoluene

Concen: 18.595 ug/l

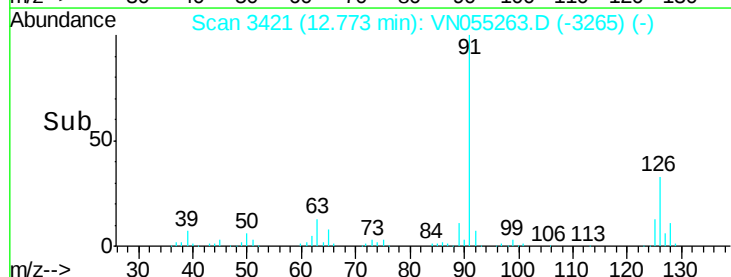
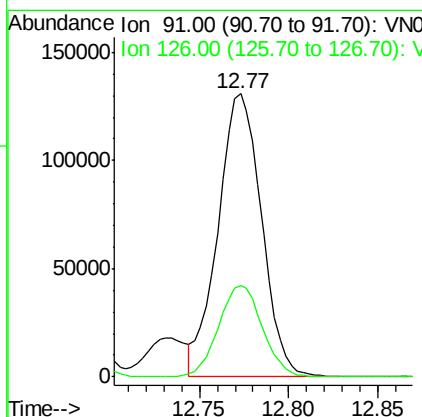
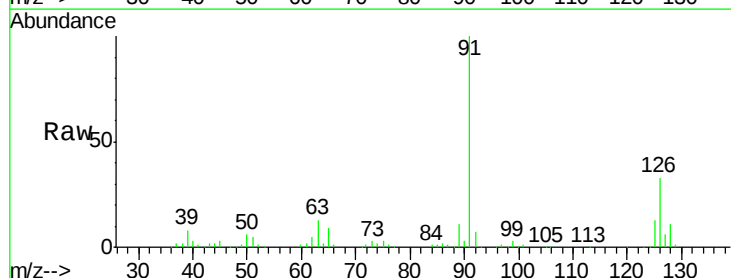
RT: 12.77 min Scan# 3421

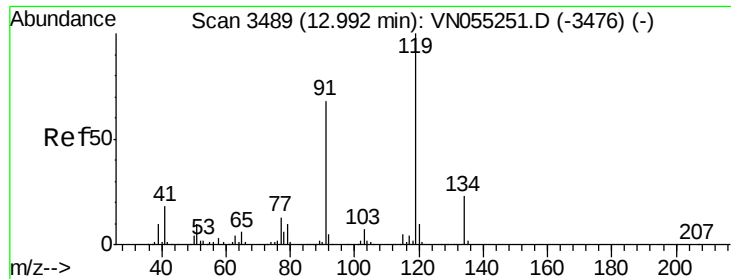
Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Tgt Ion:	91	Resp:	219812
Ion	Ratio	Lower	Upper
91	100		
126	32.7	0.0	66.8





#79

tert-butylbenzene

Concen: 19.936 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

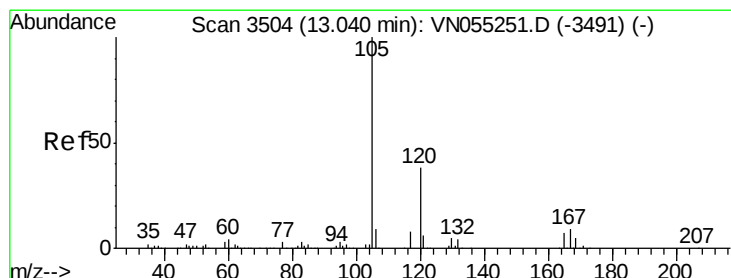
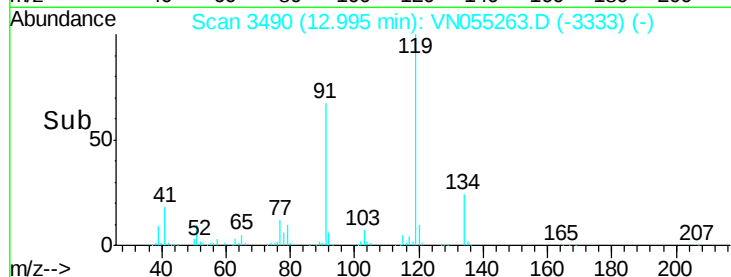
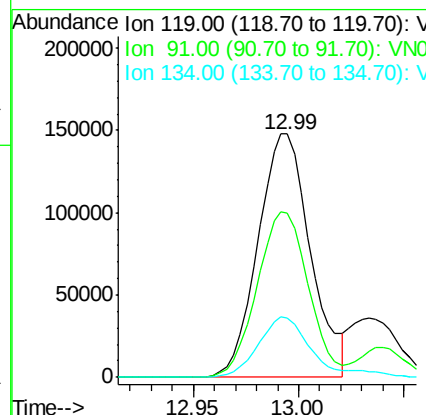
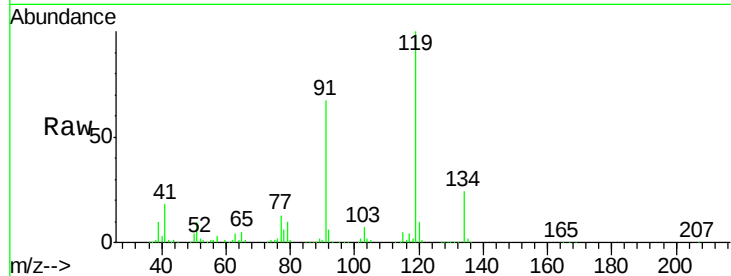
ClientSampleId :

VSTDCCC020EC

Tot Ion:	119	Resp:	255983
Ion Ratio	Lower	Upper	
119	100		
91	66.4	0.0	135.6
134	25.5	0.0	47.8

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 18.963 ug/l

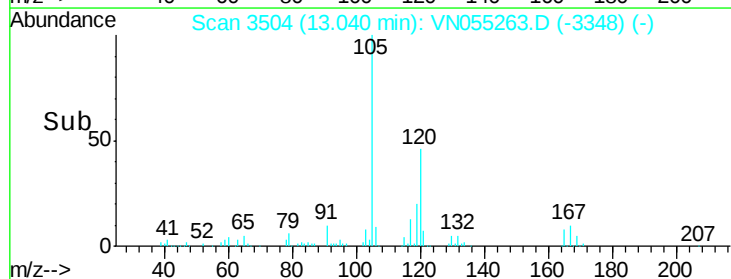
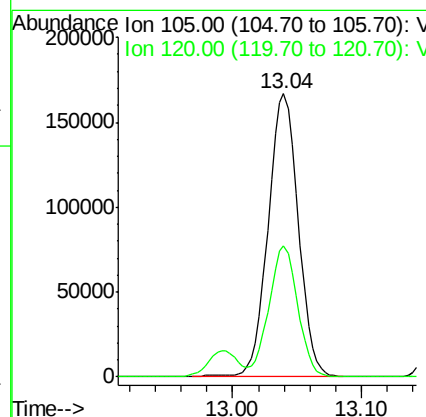
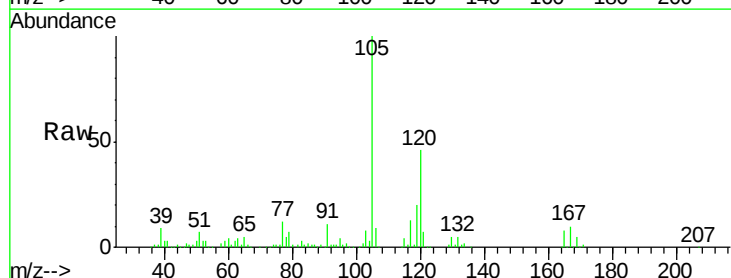
RT: 13.04 min Scan# 3504

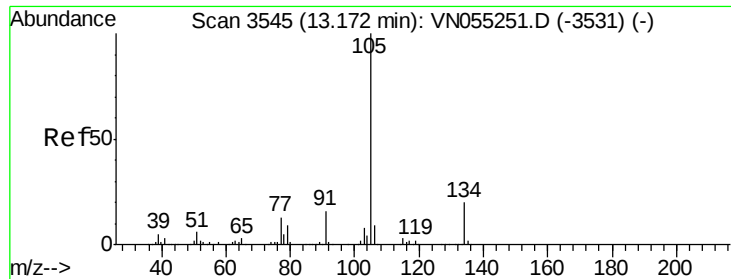
Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Tgt Ion:	105	Resp:	272557
Ion Ratio	Lower	Upper	
105	100		
120	44.3	0.0	88.6





#81

sec-Butylbenzene

Concen: 19.071 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion:105 Resp: 323716

Ion Ratio Lower Upper

105 100

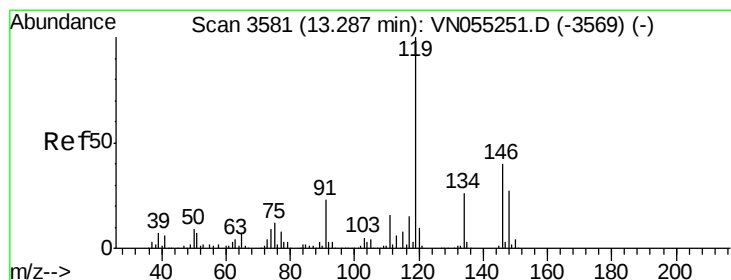
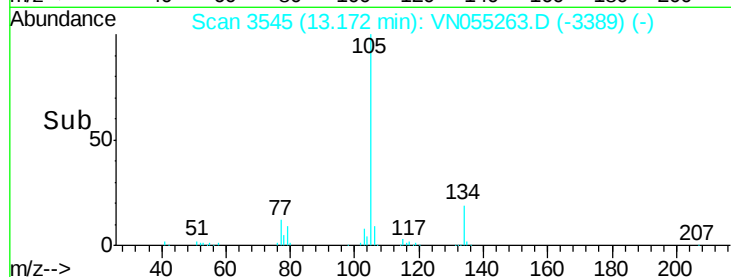
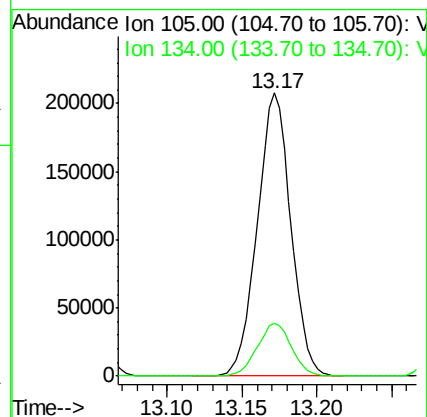
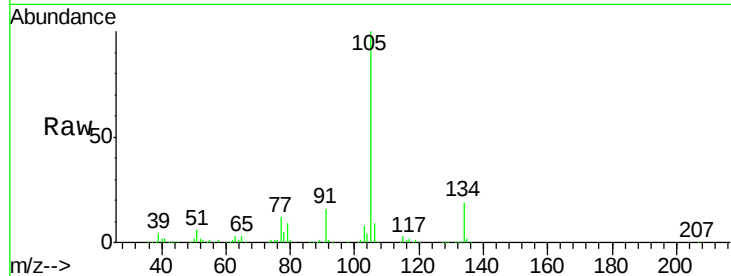
134 19.1 0.0 39.8

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 18.043 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

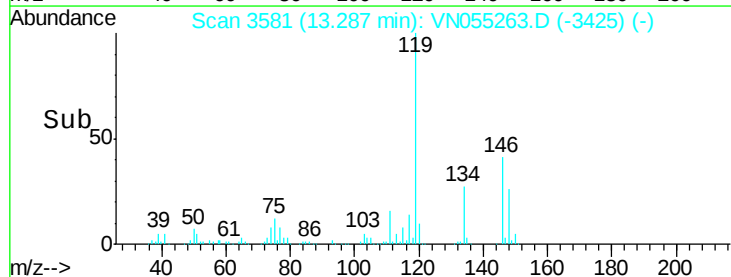
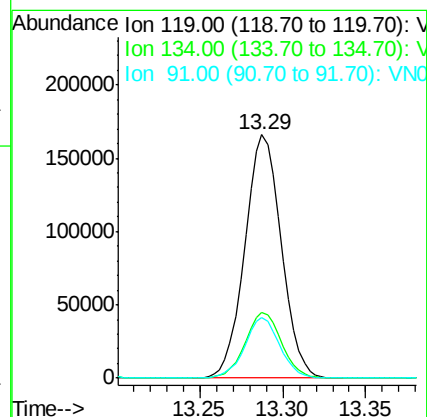
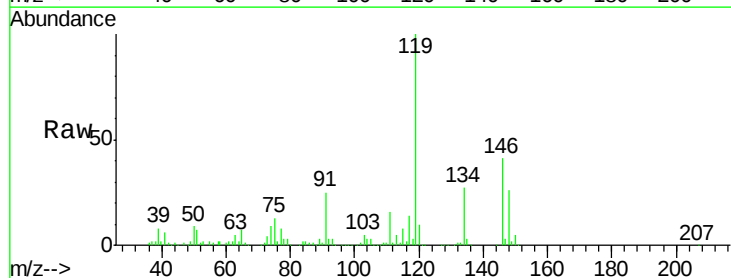
Tgt Ion:119 Resp: 254054

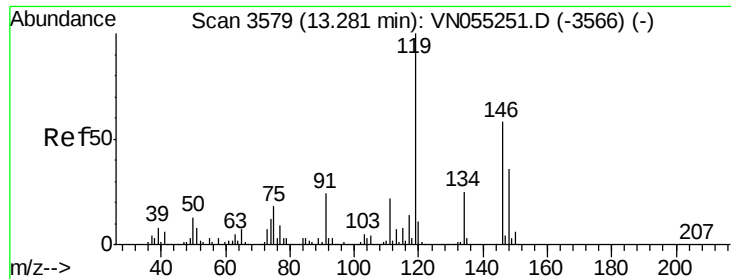
Ion Ratio Lower Upper

119 100

134 26.7 0.0 53.2

91 23.8 0.0 47.6





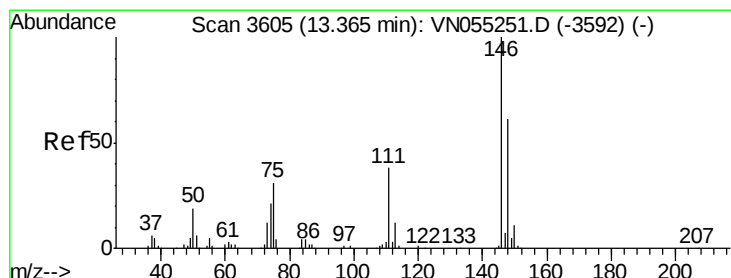
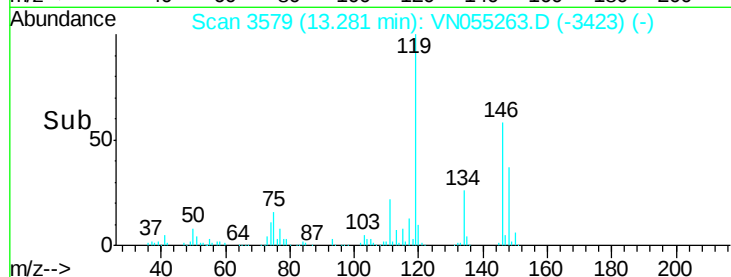
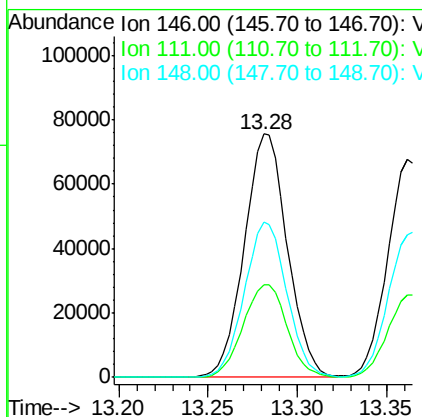
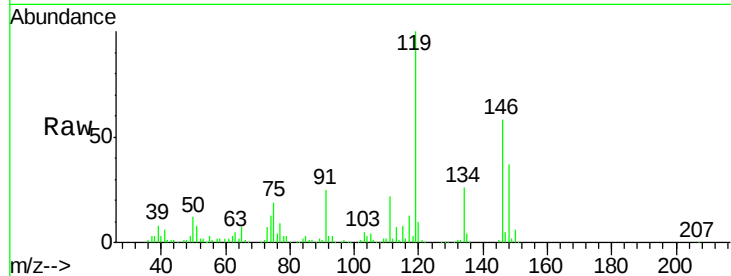
#83
 1,3-Dichlorobenzene
 Concen: 18.187 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.7
148	62.9	32.8	98.3

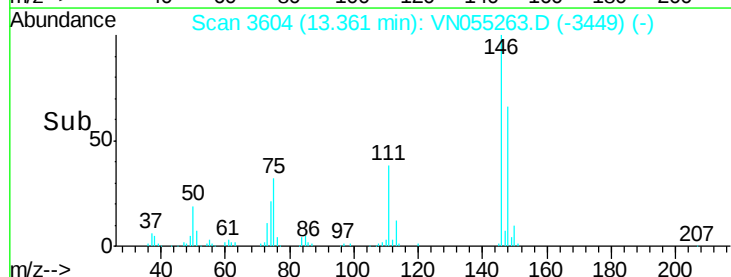
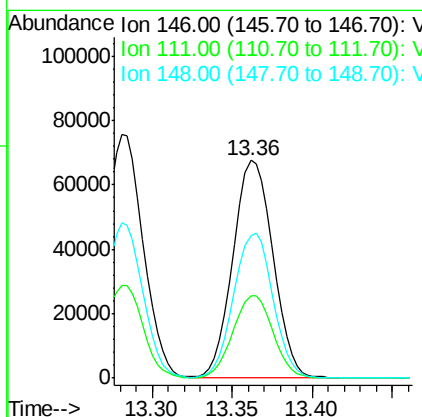
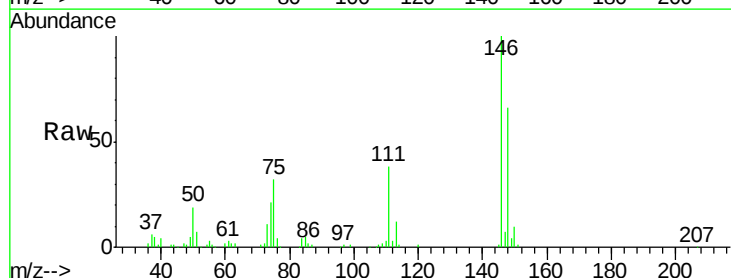
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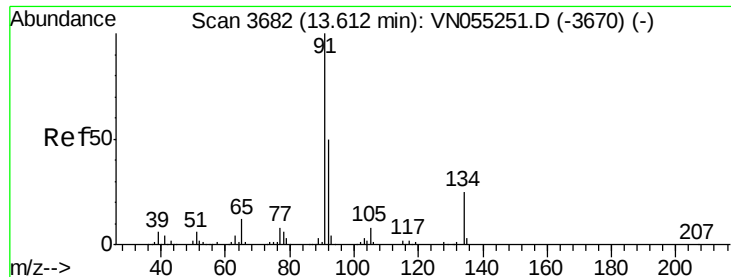
MMDadoda
 4/26/2019 10:58:33 AM



#84
 1,4-Dichlorobenzene
 Concen: 17.514 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.9	56.5
148	65.1	31.4	94.3





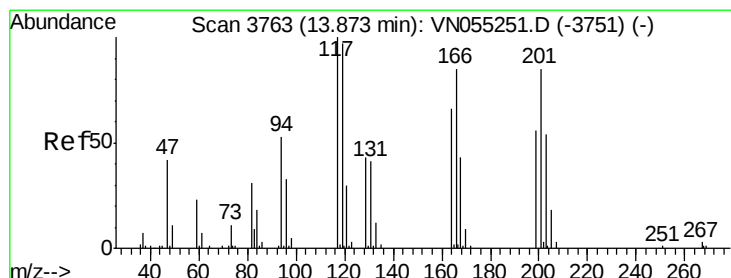
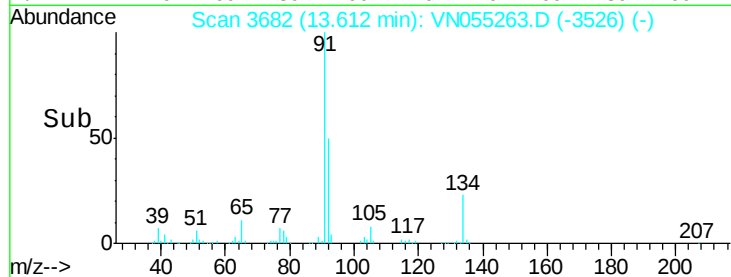
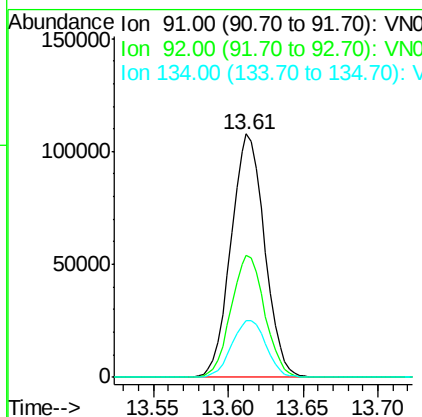
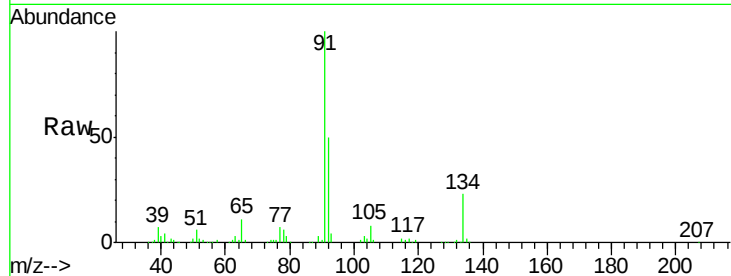
#85
n-Butylbenzene
Concen: 15.701 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100	168561		
92	49.9	0.0	102.8	
134	23.9	0.0	50.0	

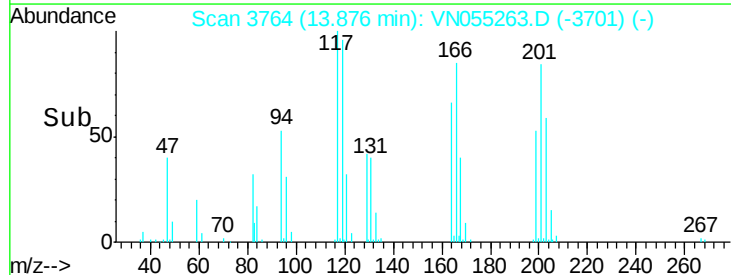
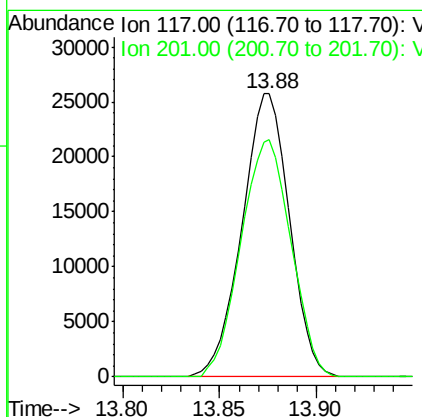
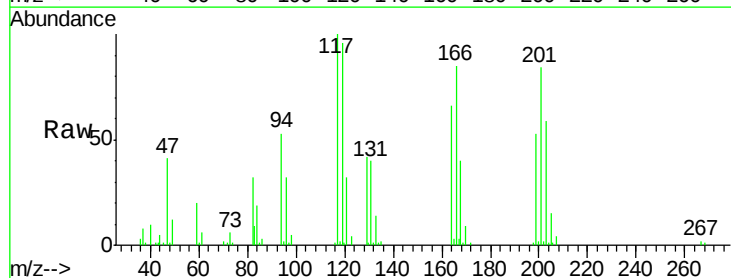
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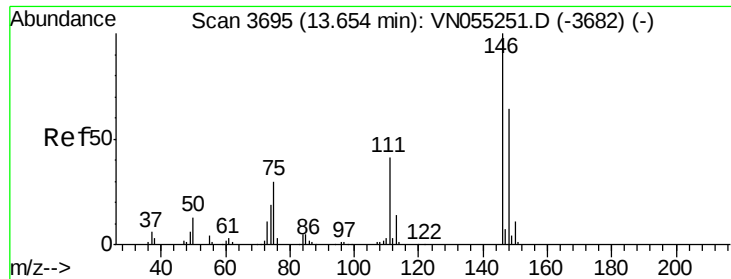
MMDadoda
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#86
Hexachloroethane
Concen: 18.264 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43869		
201	88.3	44.5	133.7	





#87

1,2-Dichlorobenzene

Concen: 18.604 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Instrument :

MSVOA_N

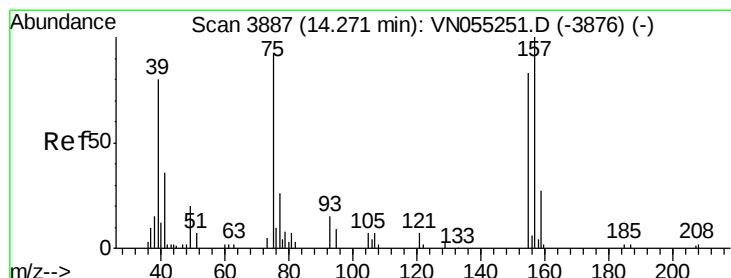
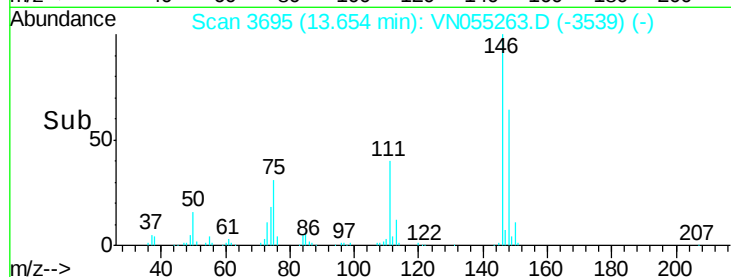
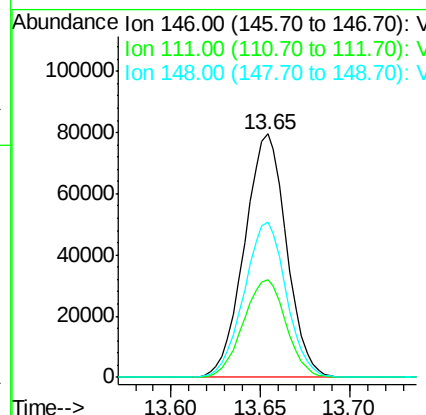
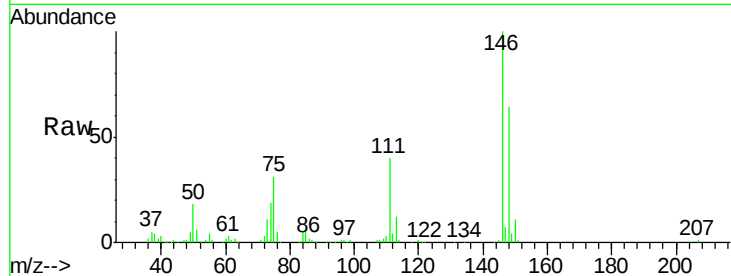
ClientSampleId :

VSTDCCC020EC

Tot Ion:	146	Resp:	130395
Ion Ratio		Lower	Upper
146	100		
111	40.9	20.8	62.2
148	64.2	31.9	95.5

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#88

1,2-Dibromo-3-Chloropropane

Concen: 16.810 ug/l

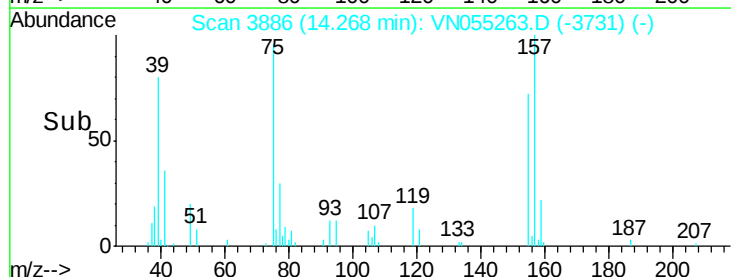
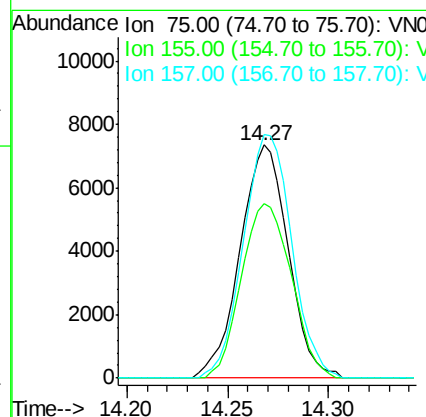
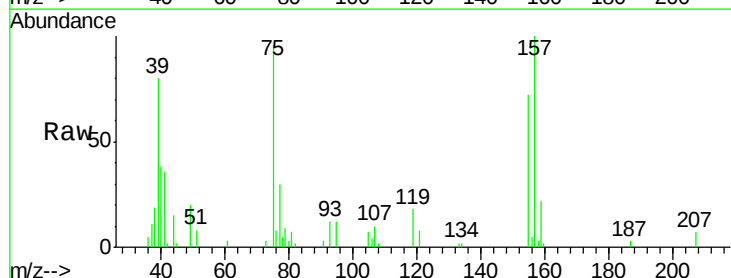
RT: 14.27 min Scan# 3886

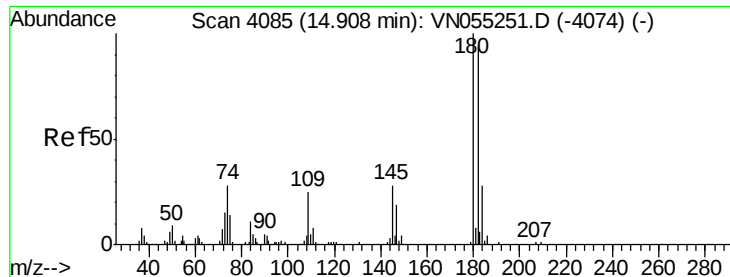
Delta R.T. -0.00 min

Lab File: VN055263.D

Acq: 26 Apr 2019 00:19

Tgt Ion:	75	Resp:	12319
Ion Ratio		Lower	Upper
75	100		
155	77.5	70.4	105.6
157	104.9	88.5	132.7





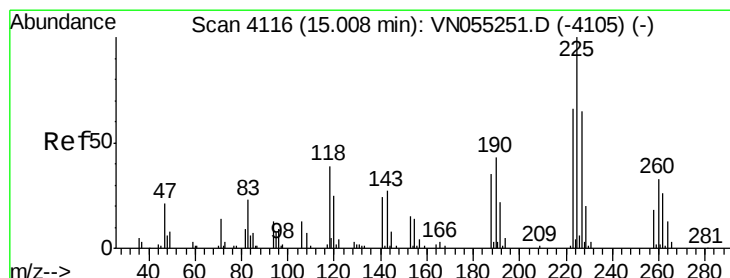
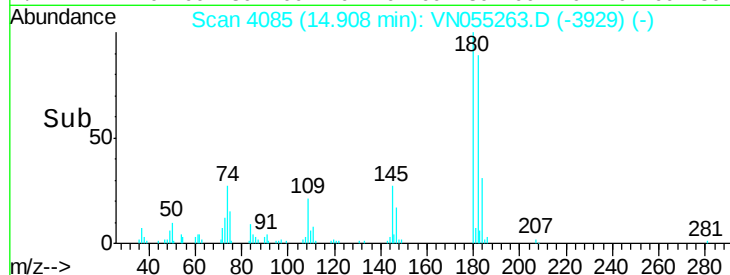
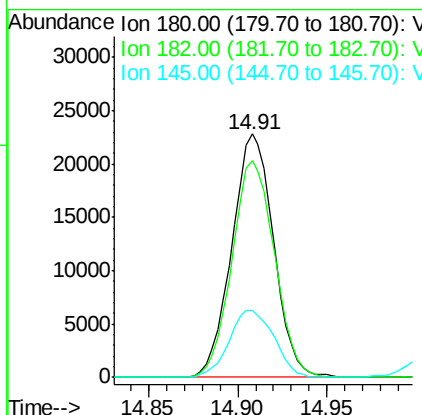
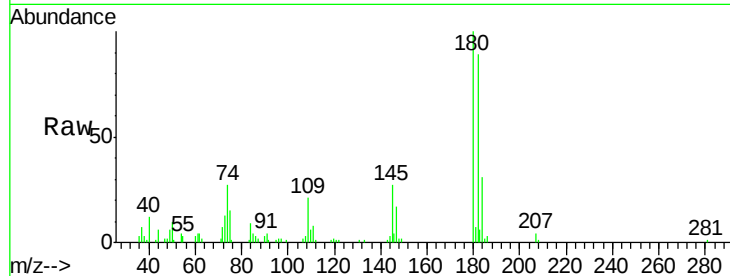
#89
 1,2,4-Trichlorobenzene
 Concen: 13.406 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.6	74.8	112.2
145	29.4	23.2	34.8

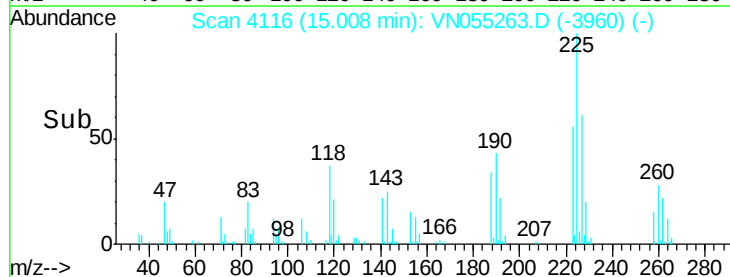
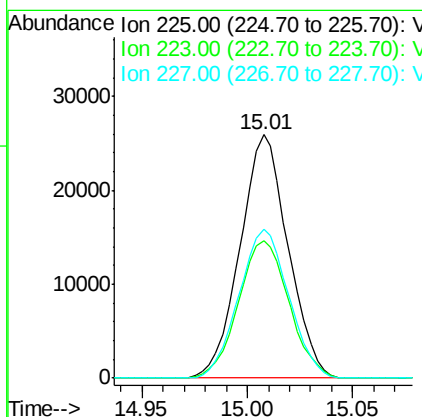
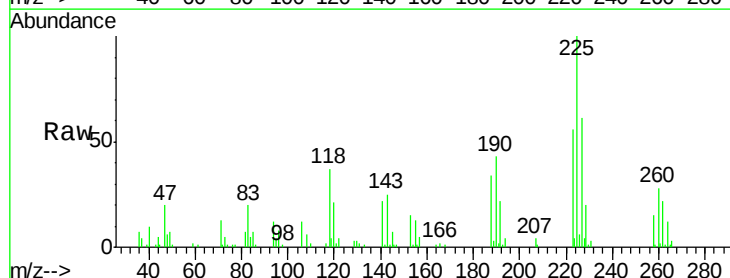
Manual Integrations
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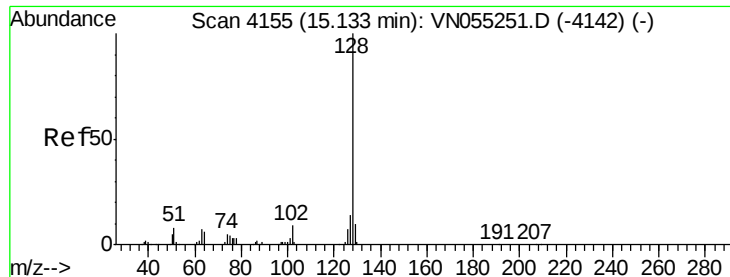
MMDadoda
 4/26/2019 10:58:33 AM



#90
 Hexachlorobutadiene
 Concen: 17.477 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055263.D
 Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.5	0.0	125.2
227	63.4	0.0	128.4





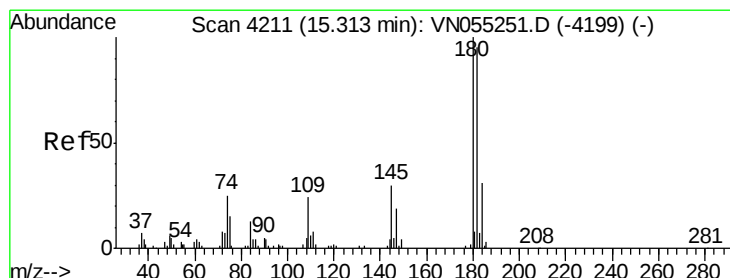
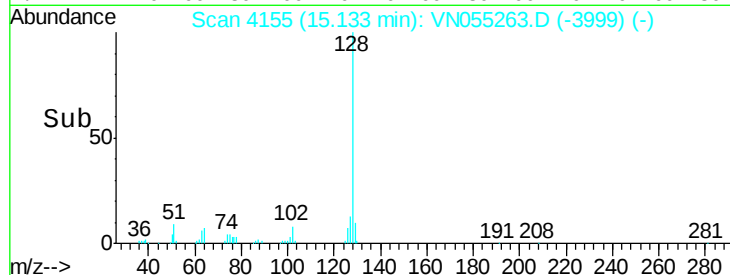
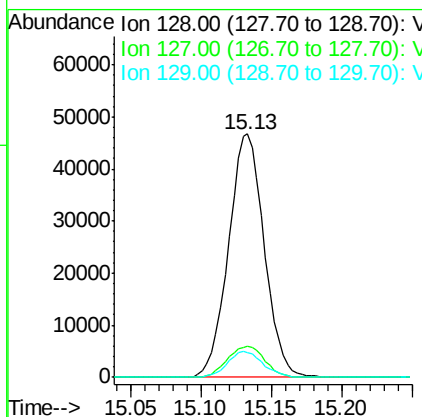
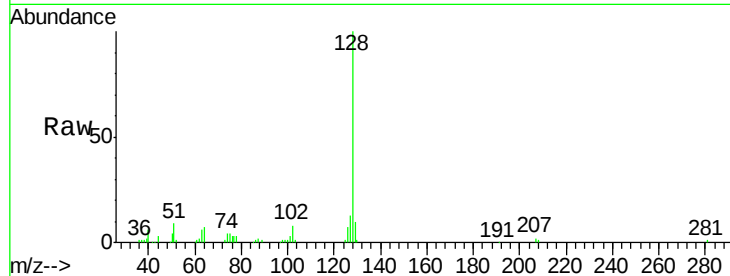
#91
Naphthalene
Concen: 12.923 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	16.0
129	10.5	8.0	12.0

Manual Integrations
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4/26/2019 10:58:33 AM



#92
1,2,3-Trichlorobenzene
Concen: 13.848 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055263.D
Acq: 26 Apr 2019 00:19

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	188.0
145	32.5	0.0	60.0

