

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050306.D
 Acq On : 3 Aug 2018 11:38
 Operator : MD\SY
 Sample : VN0803WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:03 AM

Quant Time: Aug 03 23:15:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	126673	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	688146	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	597052	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	264628	30.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.43%
60) 4-Bromofluorobenzene	12.40	95	268171	29.24	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	97.47%
63) Toluene-d8	10.09	98	863739	30.29	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.97%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	153818	17.62	ug/l	99
3) Chloromethane	2.06	50	142993	15.89	ug/l	98
4) Vinyl Chloride	2.18	62	162099	16.92	ug/l	97
5) Bromomethane	2.56	94	36384	6.23	ug/l	99
6) Chloroethane	2.70	64	95921	16.93	ug/l	98
7) Trichlorofluoromethane	3.01	101	227208	18.15	ug/l	100
8) Diethyl Ether	3.41	74	79322	18.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.75	101	141217	18.54	ug/l	98
10) 1,1-Dichloroethene	3.73	96	120541	17.85	ug/l	92
11) Methyl Iodide	3.95	142	35266	3.55	ug/l	93
12) Methyl Acetate	4.33	43	188803	24.40	ug/l	98
13) Acrolein	3.61	56	11805	24.69	ug/l	94
14) Acrylonitrile	4.99	53	250392	96.99	ug/l	97
15) Acetone	3.82	58	69178	100.83	ug/l	93
16) Carbon Disulfide	4.05	76	319905	15.48	ug/l	100
17) Allyl chloride	4.32	41	193161	18.11	ug/l	99
18) Methylene Chloride	4.55	84	145716	18.70	ug/l	98
19) trans-1,2-Dichloroethene	5.04	96	129568	17.92	ug/l	95
20) Diisopropyl ether	5.96	45	427045	19.53	ug/l	99
21) 1,1-Dichloroethane	5.85	63	260217	18.92	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	148003	18.46	ug/l	97
23) tert-Butyl Alcohol	4.81	59	59936	103.90	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	354771	19.26	ug/l	97
25) Chloroform	7.37	83	266966	19.18	ug/l	98
26) Cyclohexane	7.65	56	189618	17.35	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	186772	17.49	ug/l	99
30) 2-Butanone	6.84	43	307199	91.67	ug/l	99
31) 2,2-Dichloropropane	6.82	77	210275	17.81	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	225407	17.93	ug/l	99
33) Carbon Tetrachloride	7.77	117	196802	17.56	ug/l	96
34) Benzene	8.04	78	577116	17.79	ug/l	99
35) Methacrylonitrile	7.17	41	52735	13.82	ug/l	97
36) 1,2-Dichloroethane	8.13	62	190199	17.86	ug/l	99
37) Trichloroethene	8.84	130	149375	17.56	ug/l	98
38) Methylcyclohexane	9.08	83	184995	16.43	ug/l	99
39) 1,2-Dichloropropane	9.12	63	157453	18.43	ug/l	100
40) Dibromomethane	9.21	93	95934	18.17	ug/l	99

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Manual Integrations
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MMDadoda
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Quant Time: Aug 03 23:15:14 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	202757	18.20	ug/l	97
42) Vinyl Acetate	5.90	43	1352781	85.78	ug/l	99
43) Ethyl Acetate	6.93	43	129883	18.56	ug/l #	89
44) Isopropyl Acetate	8.17	43	270423	20.86	ug/l #	91
45) 1,4-Dioxane	9.20	88	32800	384.51	ug/l	95
46) Methyl methacrylate	9.20	41	111193	17.69	ug/l	99
47) n-amyl Acetate	12.07	43	173032	17.15	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	190613	17.95	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	223007	17.88	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	140136	18.49	ug/l	98
51) Ethyl methacrylate	10.43	69	161661	17.57	ug/l	99
52) 1,3-Dichloropropane	10.71	76	226990	18.24	ug/l	99
53) Dibromochloromethane	10.90	129	154211	17.93	ug/l	99
54) 1,2-Dibromoethane	11.01	107	132440	17.84	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	355305	85.33	ug/l	100
56) Bromoform	12.13	173	104732	17.24	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	686918	98.88	ug/l	99
59) 2-Hexanone	10.75	43	446449	94.20	ug/l	99
61) Tetrachloroethene	10.63	164	139398	17.24	ug/l	95
62) Toluene	10.16	91	617559	18.13	ug/l	99
64) Chlorobenzene	11.44	112	376021	18.20	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	150268	18.65	ug/l	100
66) Ethyl Benzene	11.51	91	620427	17.82	ug/l	100
67) m/p-Xylenes	11.62	106	490025	36.58	ug/l	99
68) o-Xylene	11.95	106	231557	18.17	ug/l	99
69) Styrene	11.97	104	366918	17.96	ug/l	99
70) Isopropylbenzene	12.25	105	628631	18.52	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	180240	19.34	ug/l	99
72) 1,2,3-Trichloropropane	12.56	75	146395m	18.39	ug/l	
73) Bromobenzene	12.53	156	160376	17.73	ug/l	97
74) n-propylbenzene	12.59	91	713008	18.03	ug/l	99
75) 2-Chlorotoluene	12.68	91	434944	18.32	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	516605	18.53	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	40318	15.49	ug/l	94
78) 4-Chlorotoluene	12.77	91	423168	17.98	ug/l	100
79) tert-butylbenzene	12.99	119	443617	18.61	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	519068	18.37	ug/l	99
81) sec-Butylbenzene	13.17	105	592001	18.28	ug/l	99
82) p-Isopropyltoluene	13.29	119	499947	18.09	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	276808	17.58	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	259081	17.41	ug/l	100
85) n-Butylbenzene	13.62	91	375046	16.73	ug/l	99
86) Hexachloroethane	13.88	117	93480	16.93	ug/l	97
87) 1,2-Dichlorobenzene	13.65	146	277808	18.05	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26179	18.03	ug/l	95
89) 1,2,4-Trichlorobenzene	14.91	180	115659	15.73	ug/l	99
90) Hexachlorobutadiene	15.01	225	87721	18.10	ug/l	98
91) Naphthalene	15.14	128	228805	17.57	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	123435	16.51	ug/l	99

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Instrument :
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ClientSampleId :
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QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

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

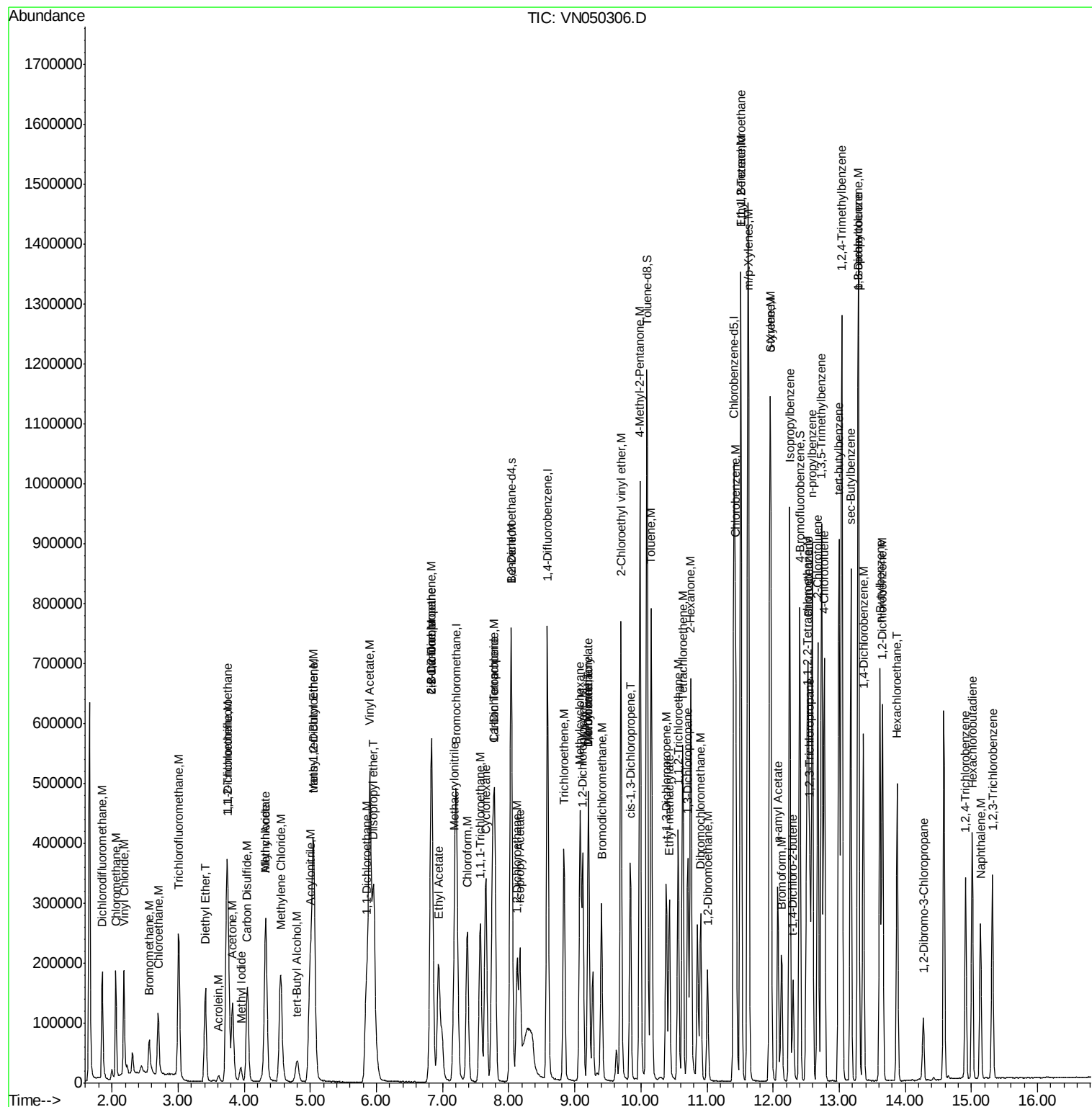
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
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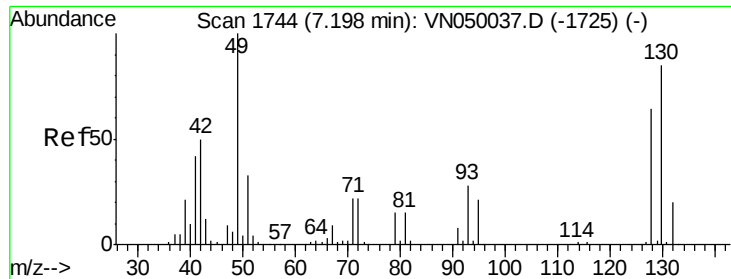
Instrument :
 MSVOA_N
 Client Sampled :
 VN0803WBS01

Manual Integrations
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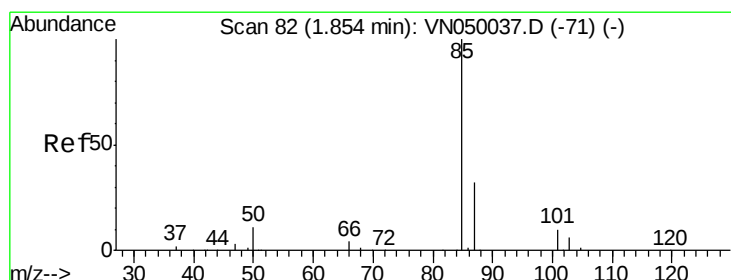
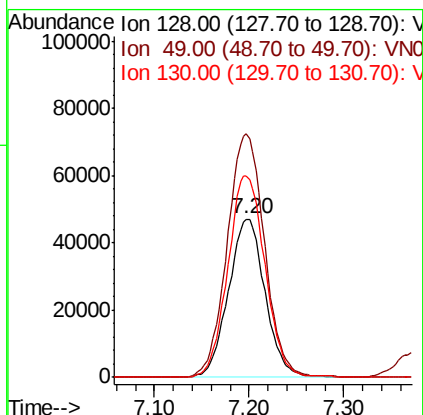
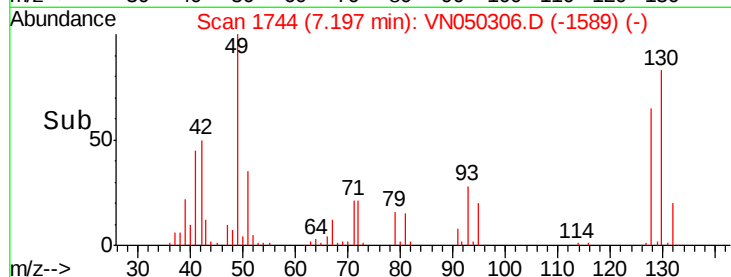
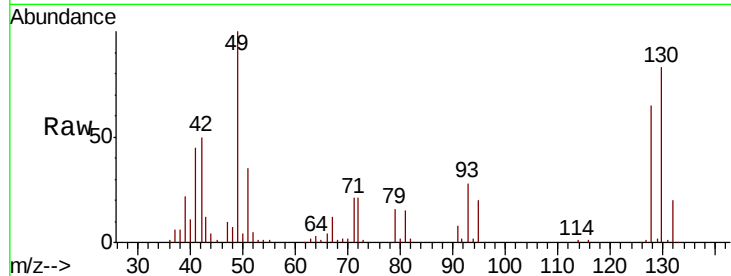
#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 7.20 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
49	156.7	0.0	378.3
130	129.1	0.0	320.7

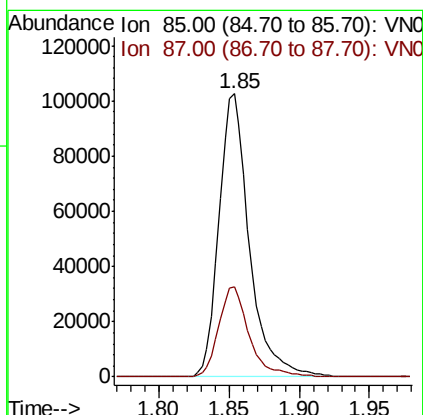
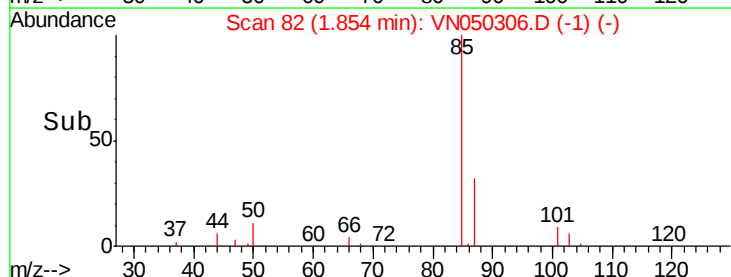
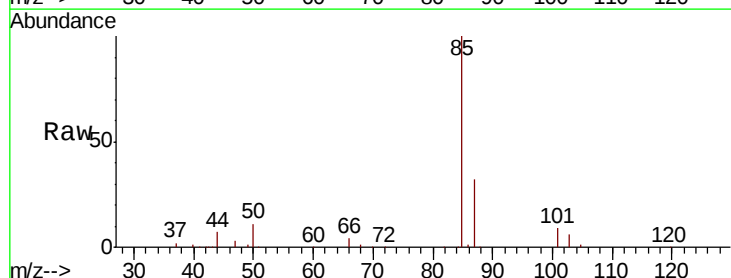
Manual Integrations
APPROVED

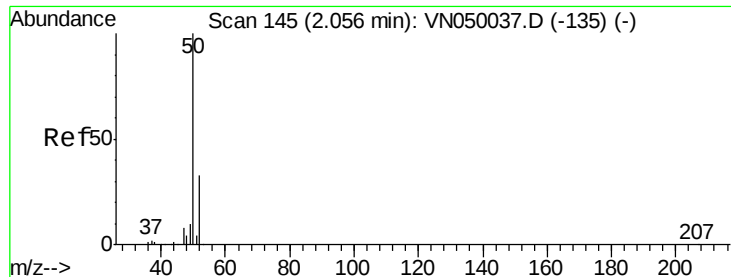
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#2
Dichlorodifluoromethane
Concen: 17.62 ug/l
RT: 1.85 min Scan# 82
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.7	15.4	46.4





#3

Chloromethane

Concen: 15.89 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion: 50 Resp: 142993

Ion Ratio Lower Upper

50 100

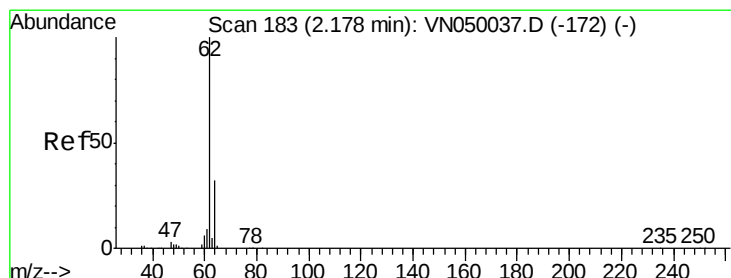
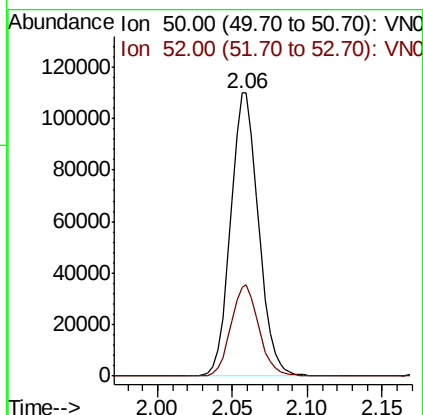
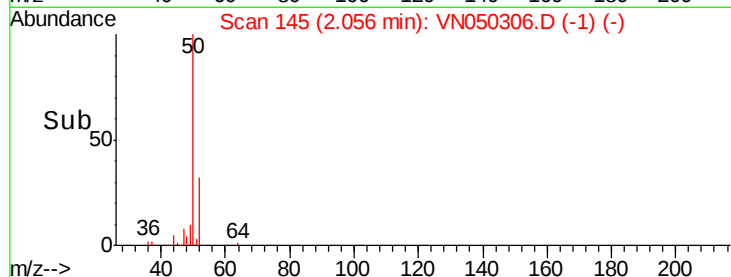
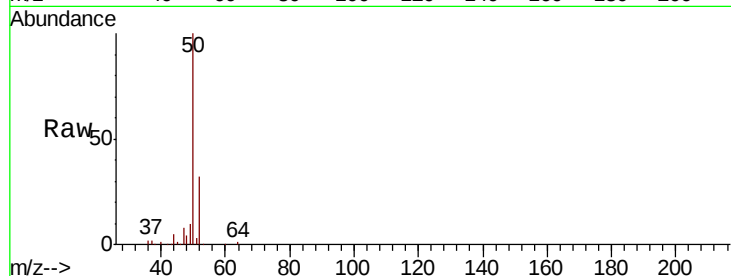
52 31.6 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 16.92 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050306.D

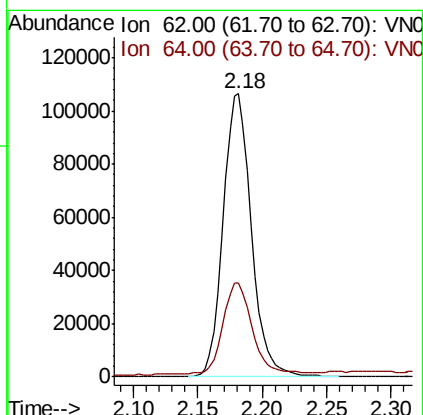
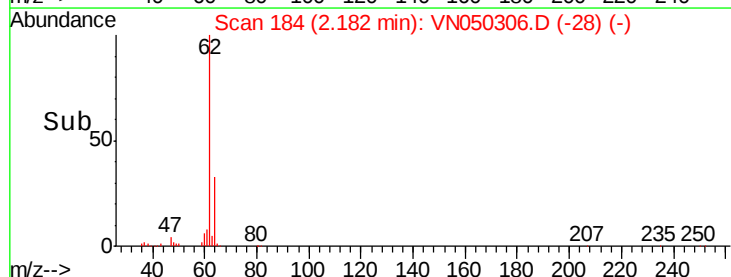
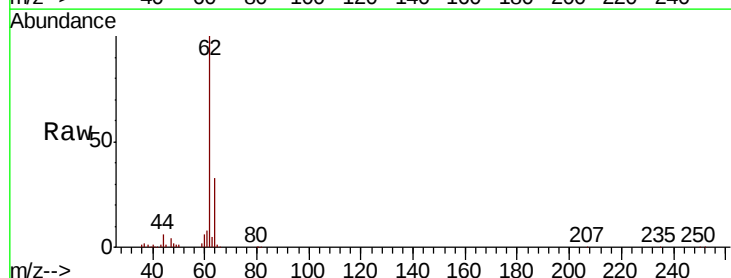
Acq: 3 Aug 2018 11:38

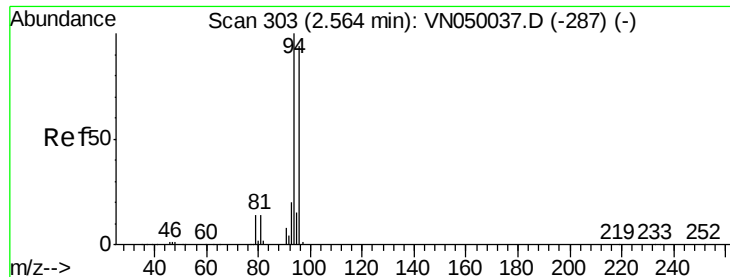
Tgt Ion: 62 Resp: 162099

Ion Ratio Lower Upper

62 100

64 32.1 24.4 36.6





#5

Bromomethane

Concen: 6.23 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion: 94 Resp: 36384

Ion Ratio Lower Upper

94 100

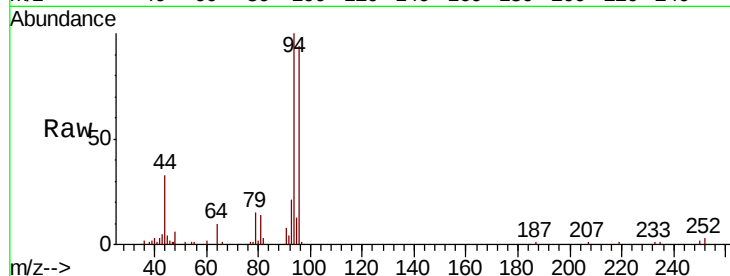
96 93.5 75.9 113.9

Manual Integrations

APPROVED

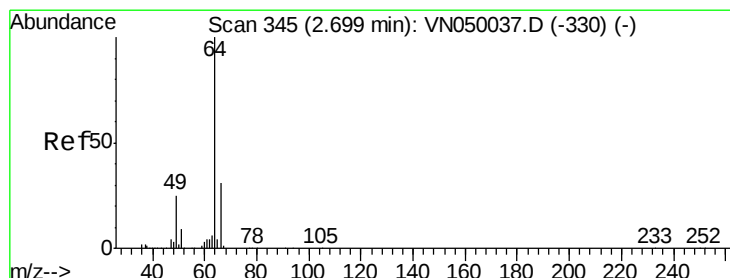
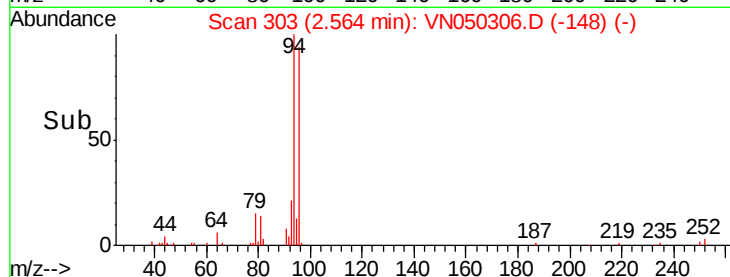
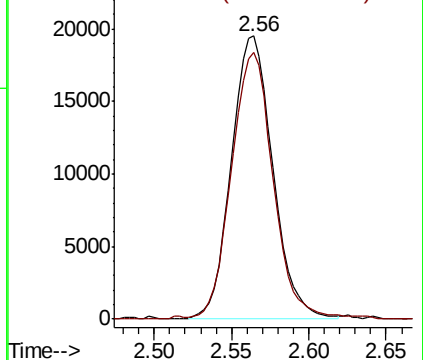
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.93 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050306.D

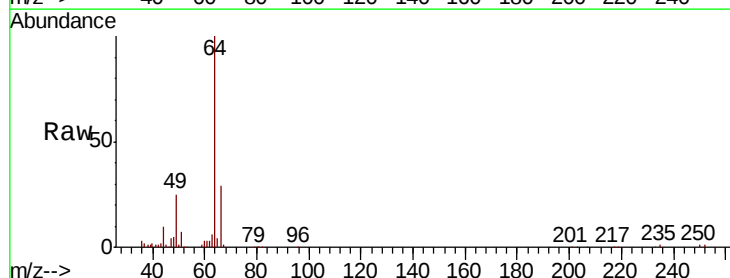
Acq: 3 Aug 2018 11:38

Tgt Ion: 64 Resp: 95921

Ion Ratio Lower Upper

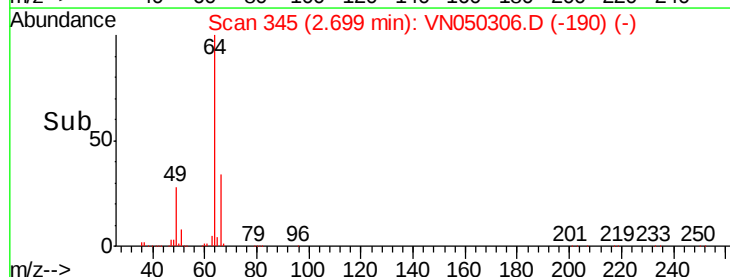
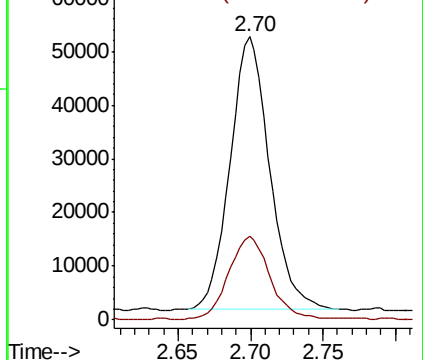
64 100

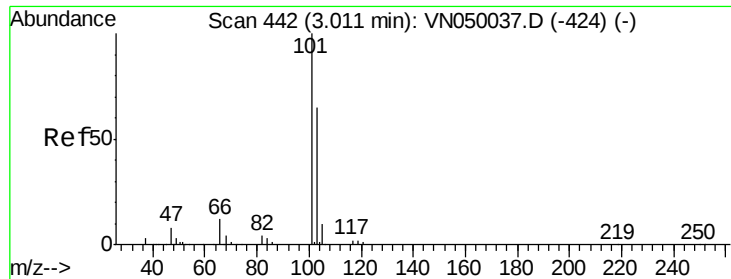
66 30.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

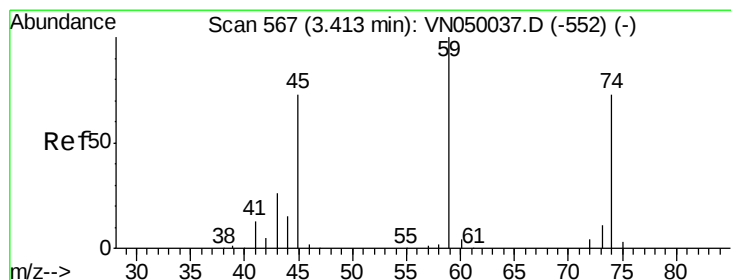
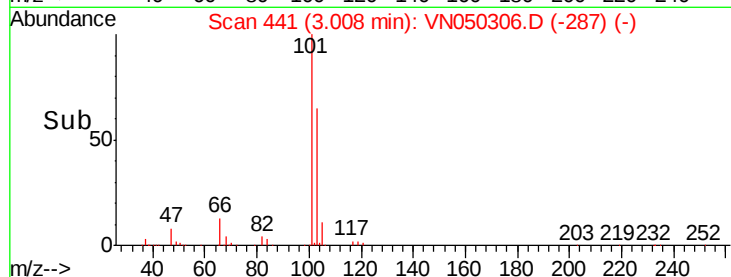
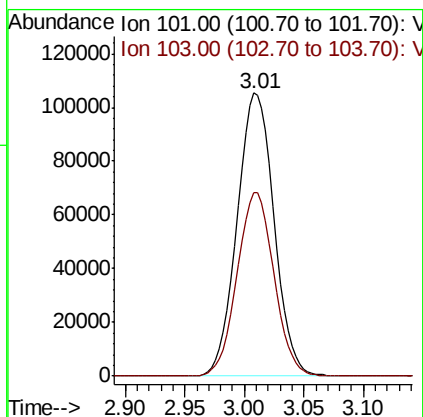
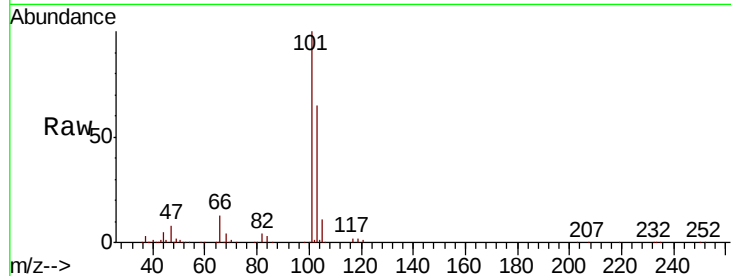
Trichlorofluoromethane
Concen: 18.15 ug/l
RT: 3.01 min Scan# 441
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.5	77.3

Manual Integrations
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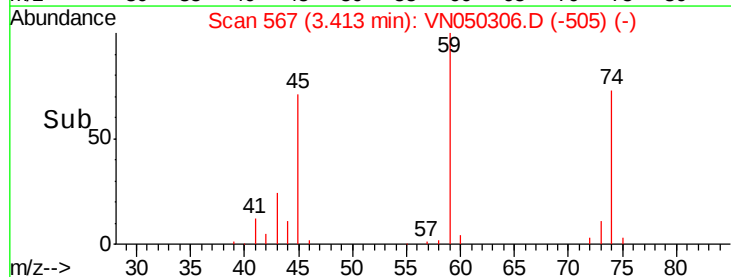
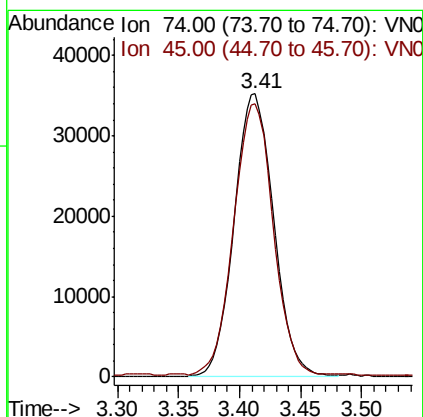
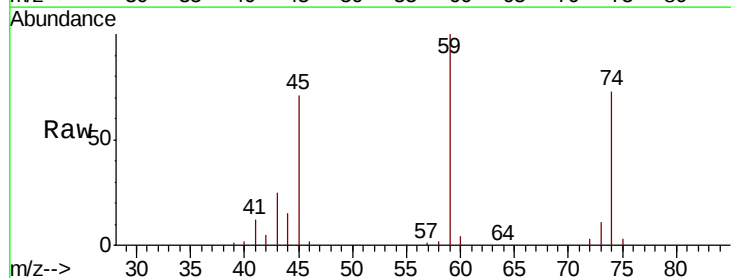
MMDadoda
8/6/2018 11:38:03 AM

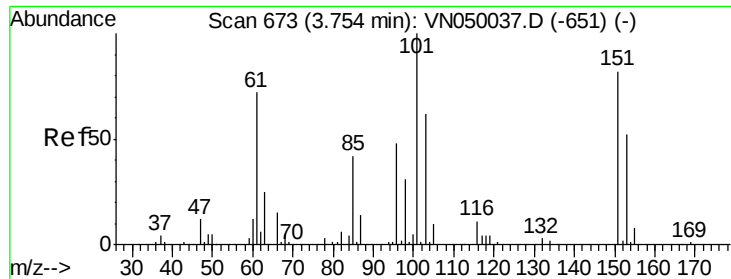


#8

Diethyl Ether
Concen: 18.89 ug/l
RT: 3.41 min Scan# 567
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.2	18.7	167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.54 ug/l

RT: 3.75 min Scan# 673

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

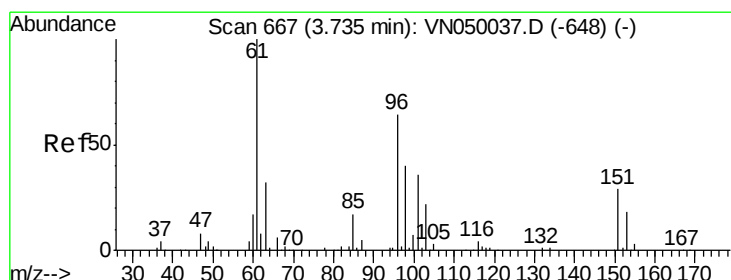
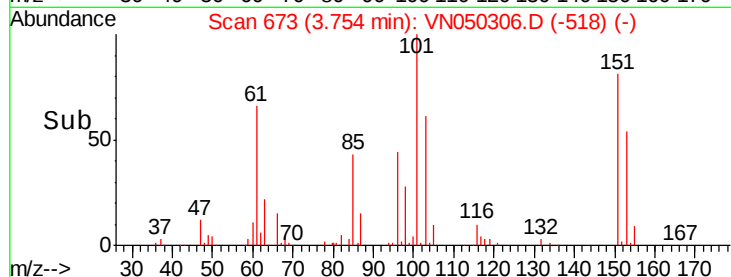
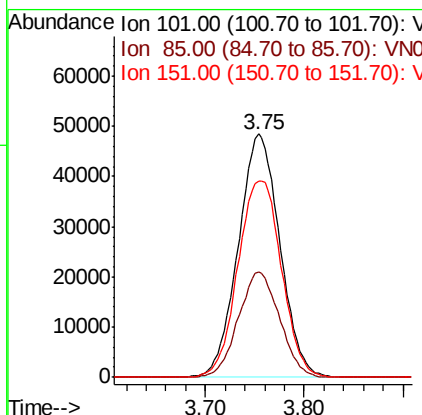
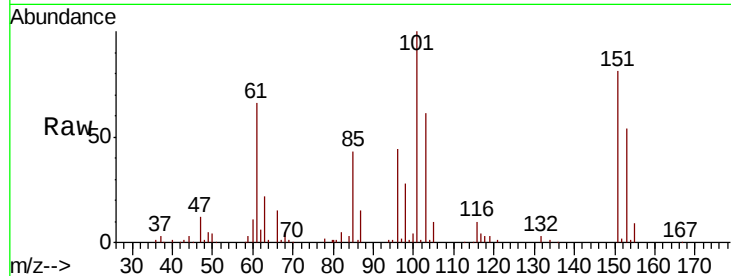
ClientSampleId :

VN0803WBS01

Tot Ion:	101	Resp:	141217
Ion Ratio	Lower	Upper	
101	100		
85	42.9	0.0	83.0
151	84.8	0.0	166.8

Manual Integrations
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8/6/2018 11:38:03 AM



#10

1,1-Dichloroethene

Concen: 17.85 ug/l

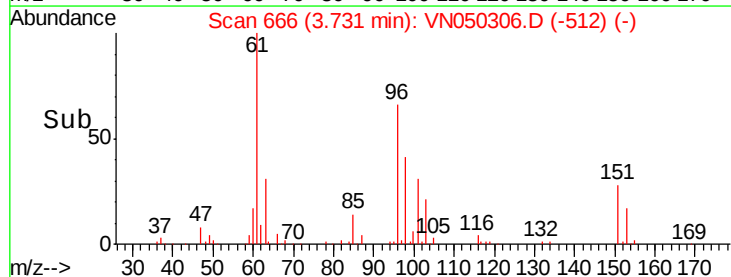
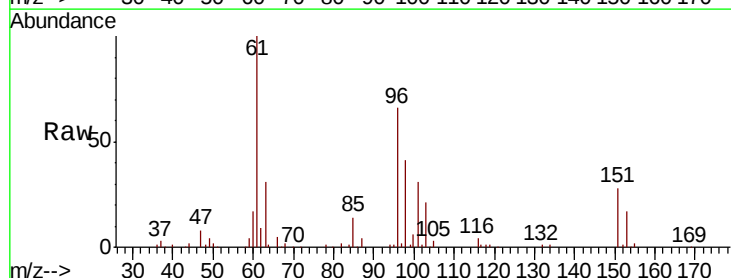
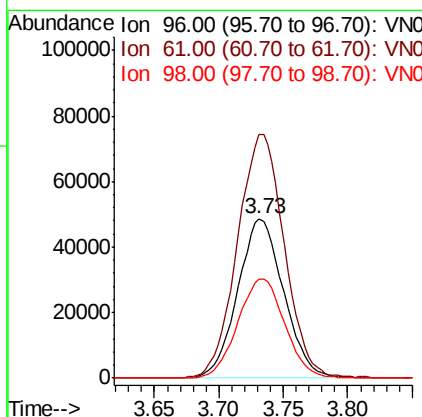
RT: 3.73 min Scan# 666

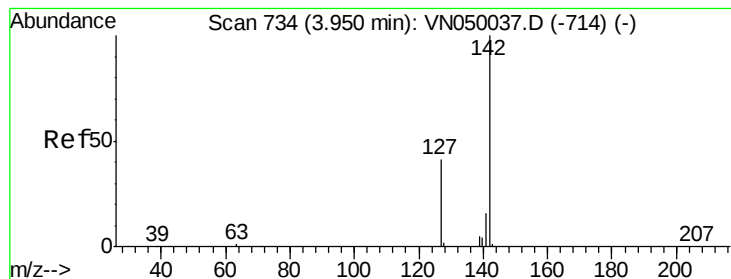
Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	96	Resp:	120541
Ion Ratio	Lower	Upper	
96	100		
61	151.7	130.6	195.8
98	62.1	53.5	80.3





#11

Methyl Iodide

Concen: 3.55 ug/l

RT: 3.95 min Scan# 734

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

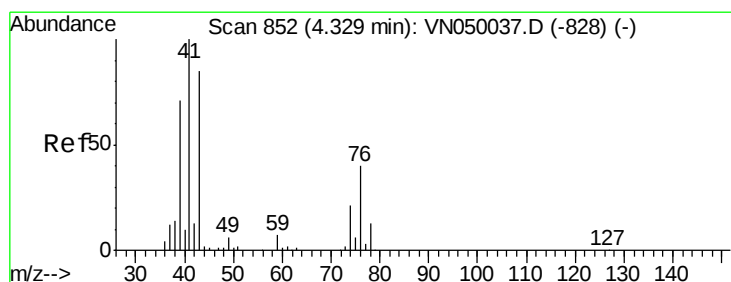
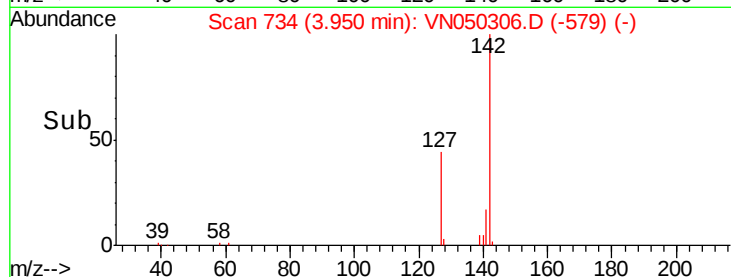
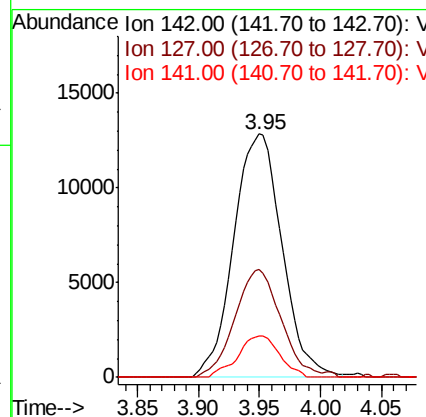
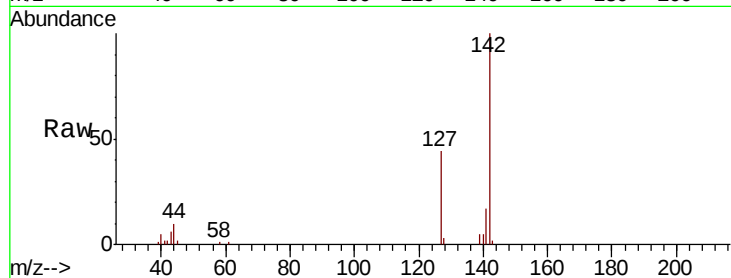
ClientSampled :

VN0803WBS01

Tot Ion:	142	Resp:	35266
Ion Ratio	Lower	Upper	
142	100		
127	44.6	20.2	60.5
141	16.9	6.9	20.6

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:38:03 AM



#12

Methyl Acetate

Concen: 24.40 ug/l

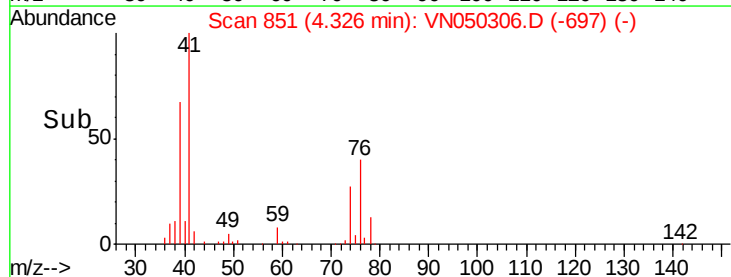
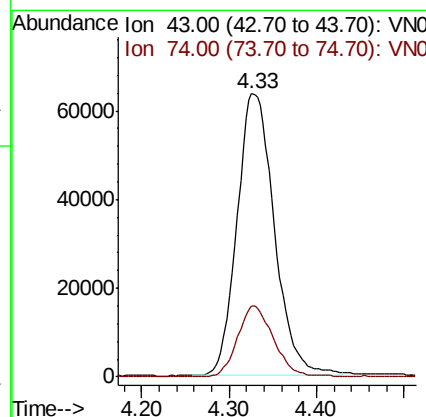
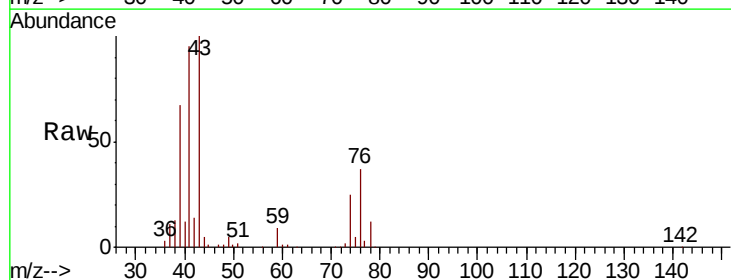
RT: 4.33 min Scan# 851

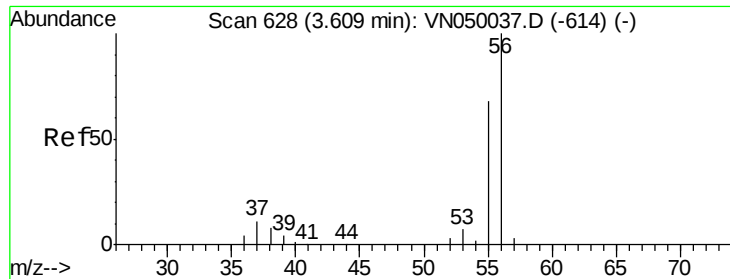
Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	43	Resp:	188803
Ion Ratio	Lower	Upper	
43	100		
74	25.0	19.3	28.9





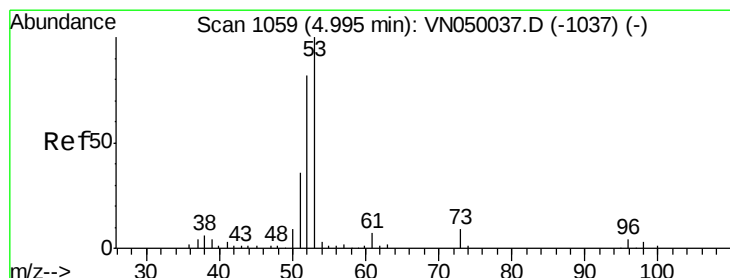
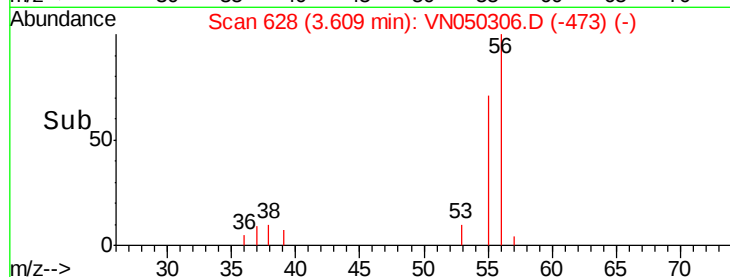
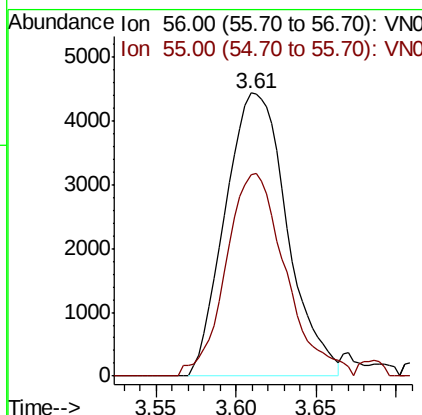
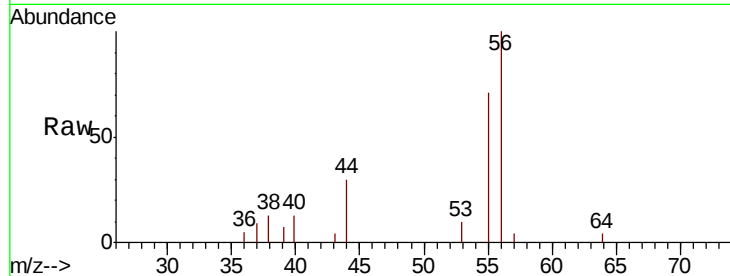
#13
Acrolein
Concen: 24.69 ug/l
RT: 3.61 min Scan# 628
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	68.3	58.6	88.0	

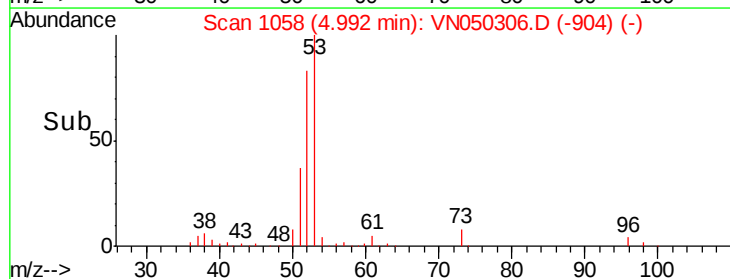
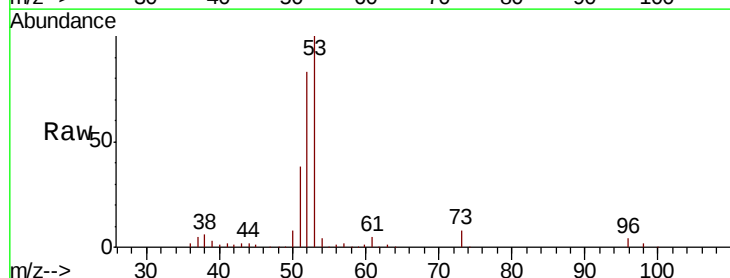
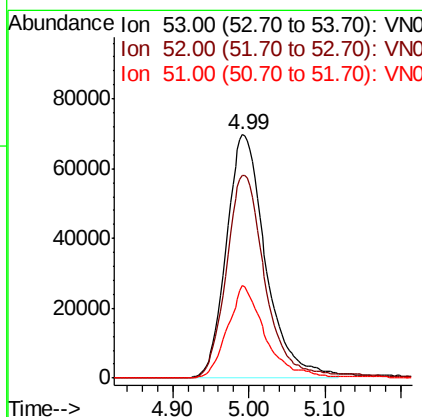
Manual Integrations
APPROVED

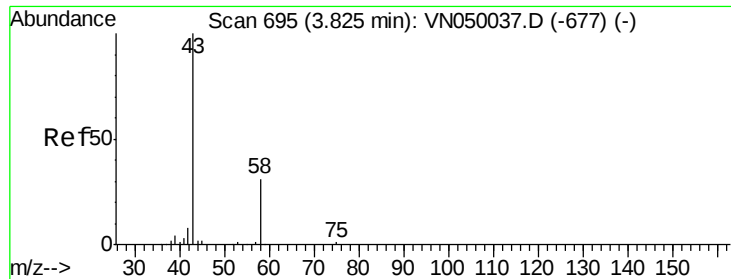
MMDadoda
8/6/2018 11:38:03 AM



#14
Acrylonitrile
Concen: 96.99 ug/l
RT: 4.99 min Scan# 1058
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	80.9	41.5	124.5	
51	34.8	18.7	56.1	





#15

Acetone

Concen: 100.83 ug/l

RT: 3.82 min Scan# 695

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion: 58 Resp: 69178

Ion Ratio Lower Upper

58 100

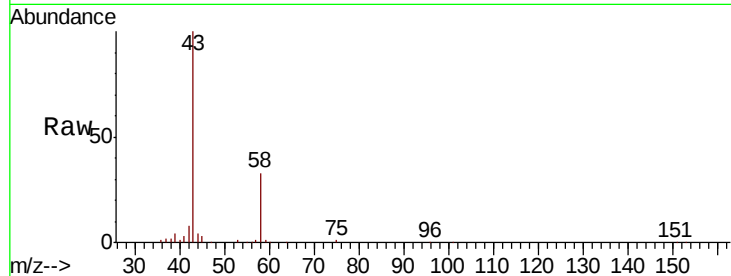
43 301.8 252.0 378.0

Manual Integrations

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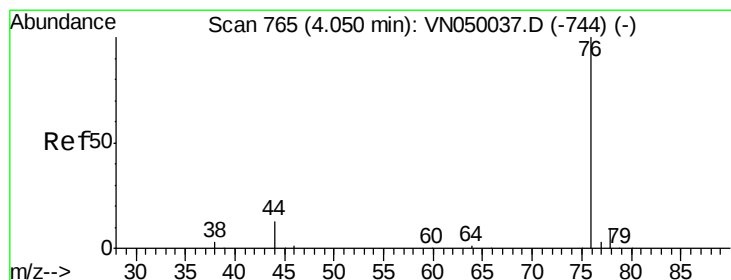
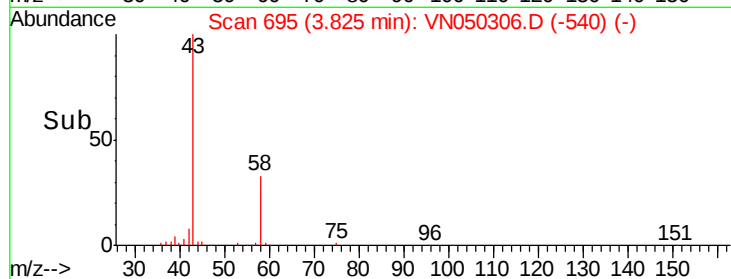
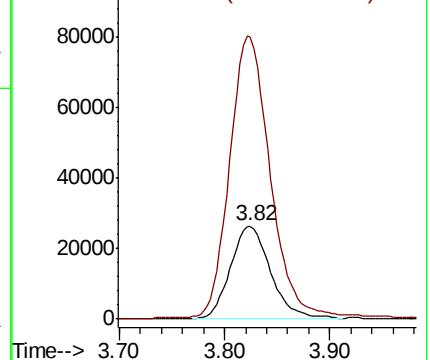
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 15.48 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050306.D

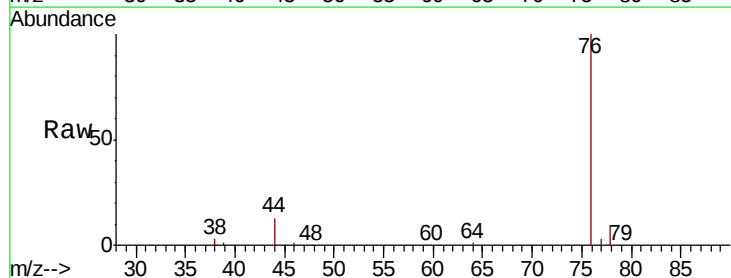
Acq: 3 Aug 2018 11:38

Tgt Ion: 76 Resp: 319905

Ion Ratio Lower Upper

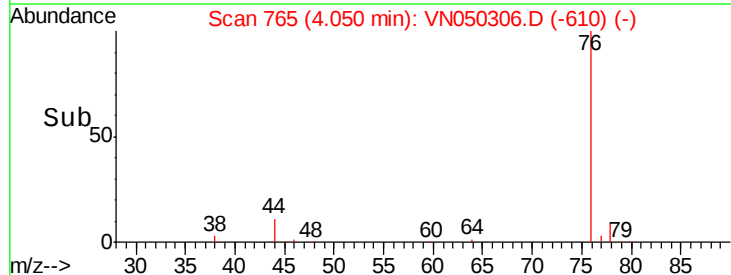
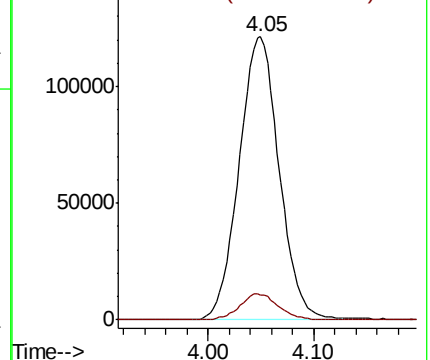
76 100

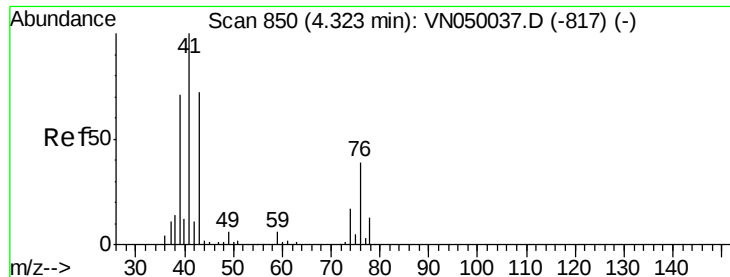
78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#17

Allvl chloride

Concen: 18.11 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

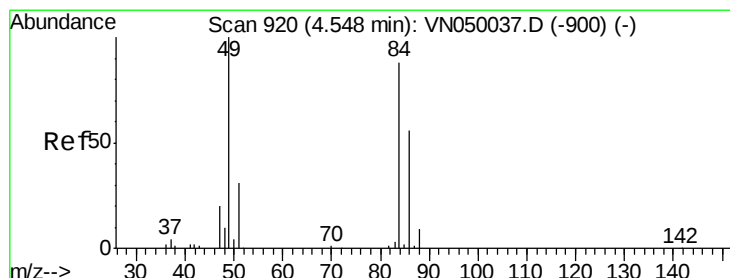
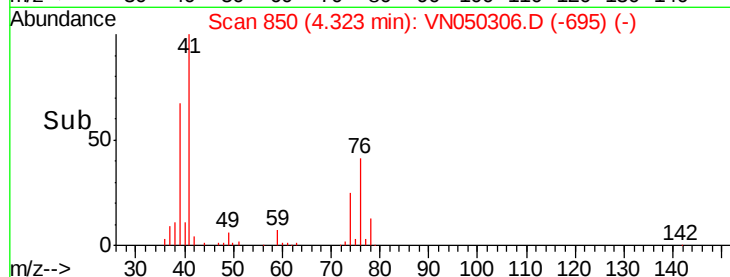
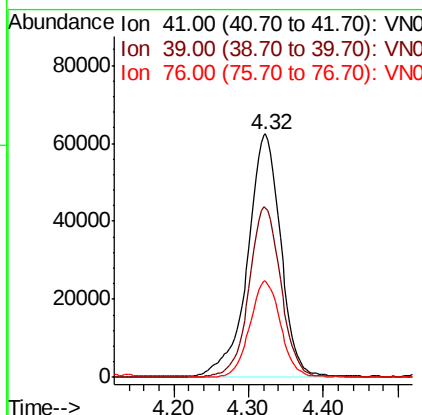
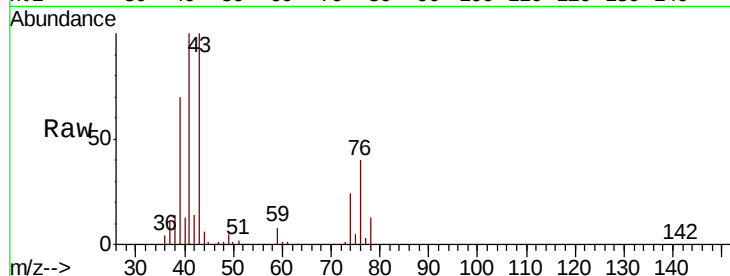
ClientSampled :

VN0803WBS01

Tot Ion:	41	Resp:	193161
Ion	Ratio	Lower	Upper
41	100		
39	69.8	35.4	106.3
76	39.1	19.7	59.1

Manual Integrations
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#18

Methylene Chloride

Concen: 18.70 ug/l

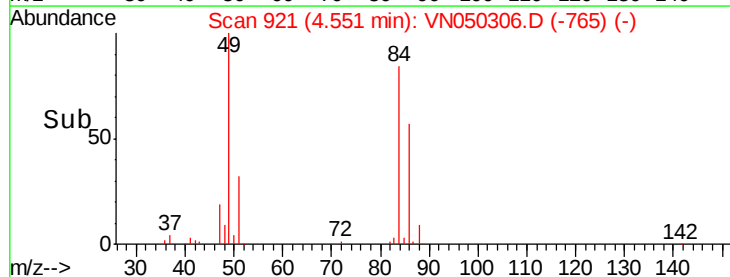
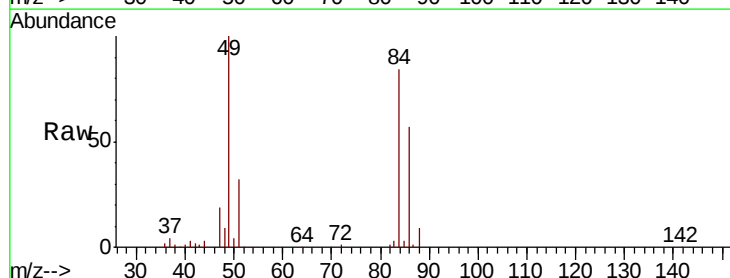
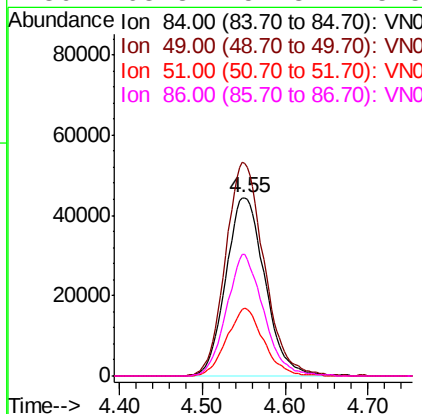
RT: 4.55 min Scan# 921

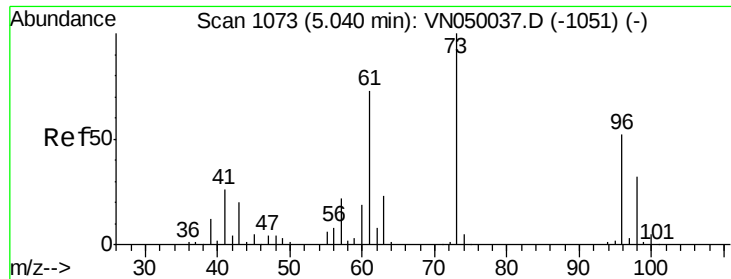
Delta R.T. 0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	84	Resp:	145716
Ion	Ratio	Lower	Upper
84	100		
49	119.1	95.1	142.7
51	38.0	28.8	43.2
86	68.3	52.3	78.5





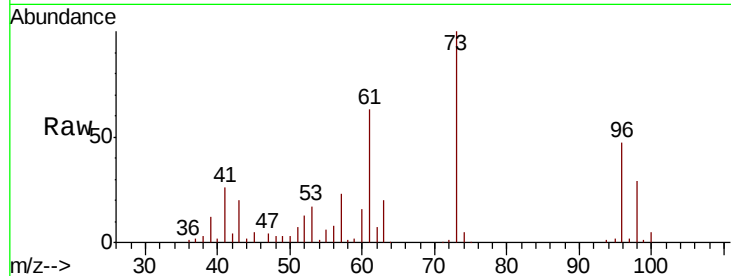
#19
trans-1,2-Dichloroethene
Concen: 17.92 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	112.1	168.1
98	62.1	51.3	76.9

Manual Integrations
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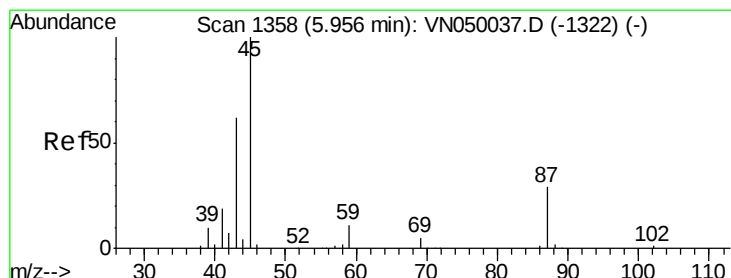
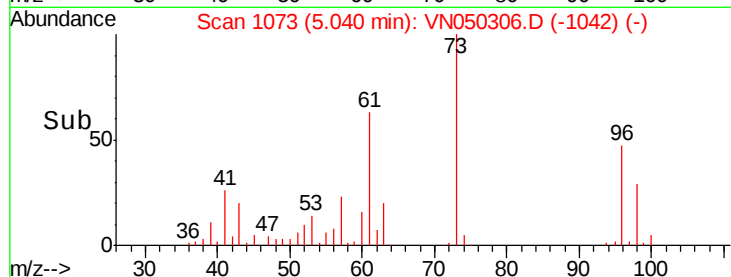
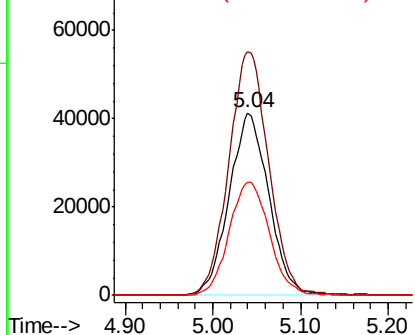


Abundance

Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO



#20
Diisopropyl ether
Concen: 19.53 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.9	46.6	70.0
87	28.9	22.3	33.5
59	12.2	9.5	14.3

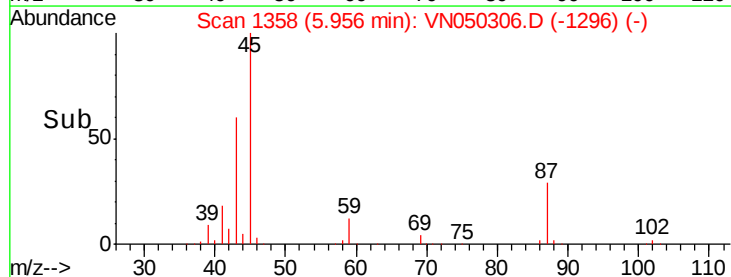
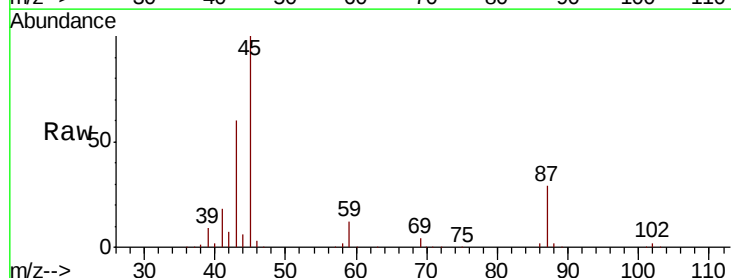
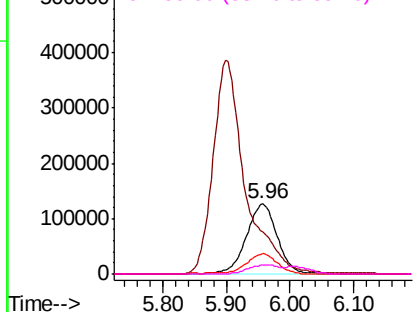
Abundance

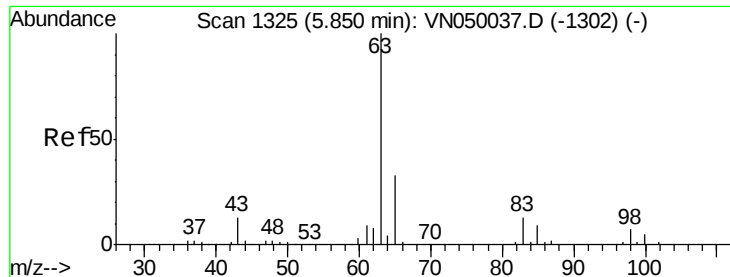
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





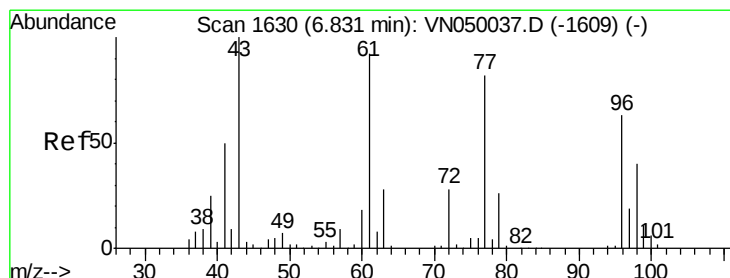
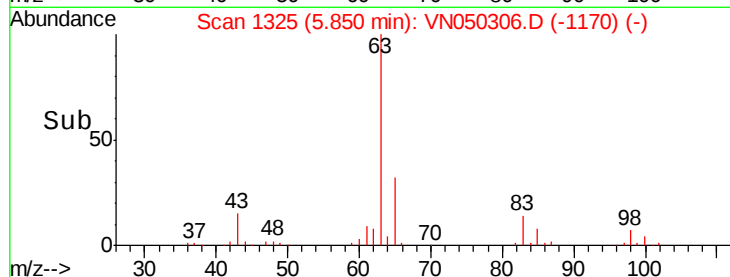
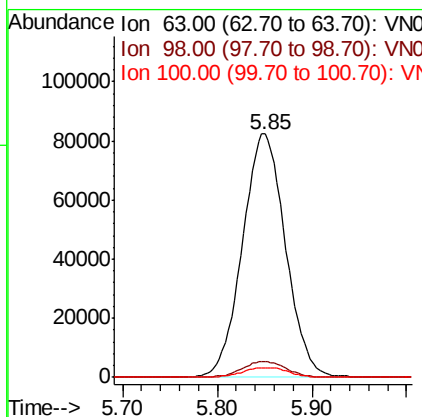
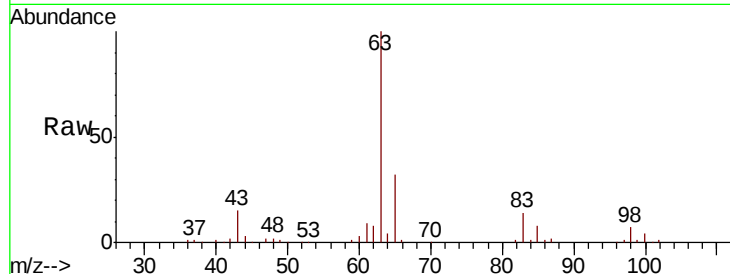
#21
 1,1-Dichloroethane
 Concen: 18.92 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS01

Tot Ion:	63	Resp:	260217
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.5	10.6
100	3.8	2.3	6.8

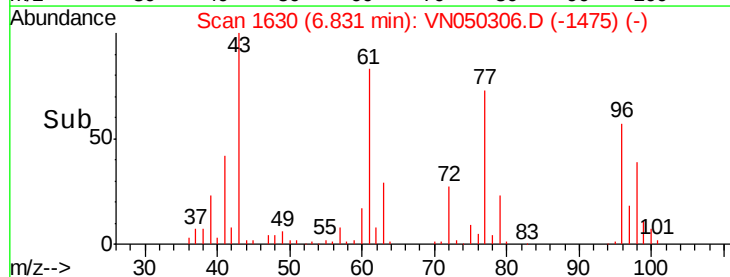
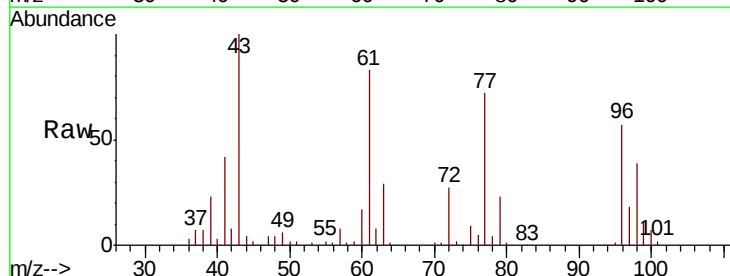
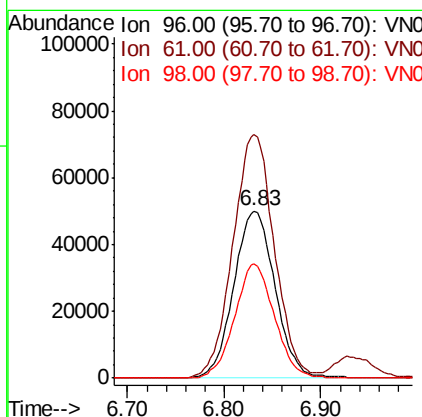
Manual Integrations
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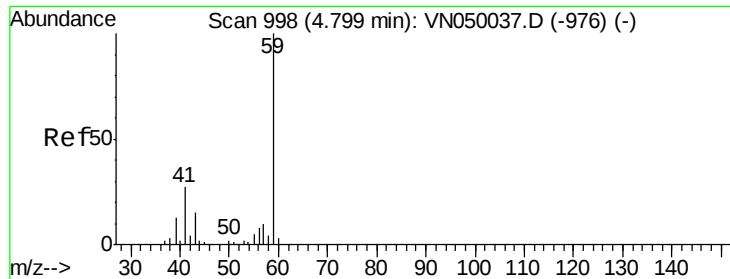
MMDadoda
 8/6/2018 11:38:03 AM



#22
 cis-1,2-Dichloroethene
 Concen: 18.46 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion:	96	Resp:	148003
Ion Ratio	Lower	Upper	
96	100		
61	146.4	114.2	171.2
98	65.9	51.7	77.5





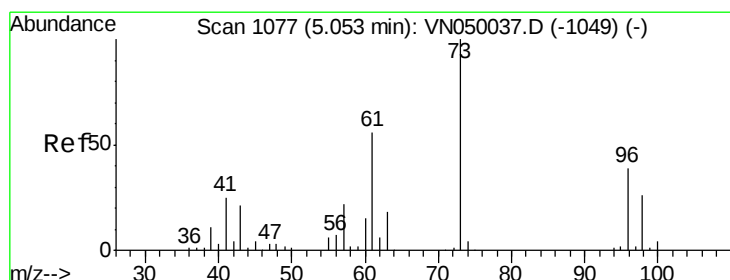
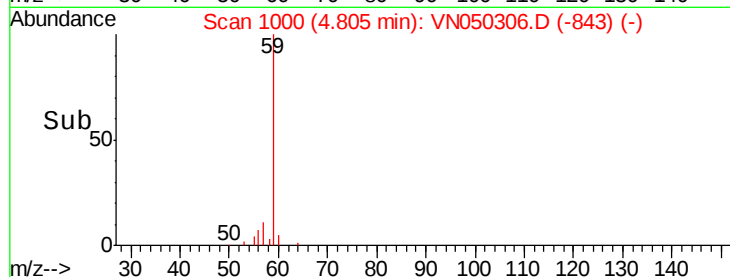
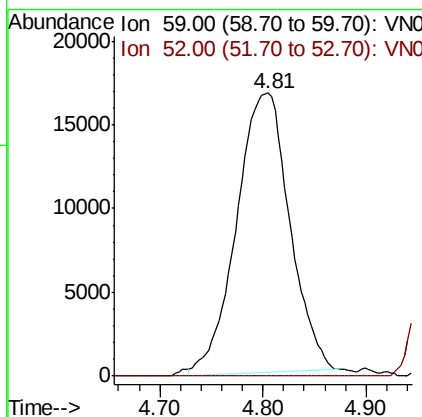
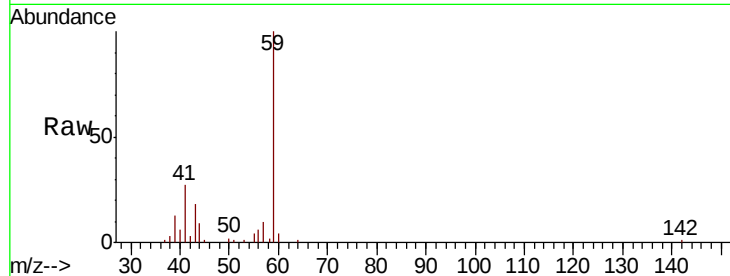
#23
tert-Butyl Alcohol
Concen: 103.90 ug/l
RT: 4.81 min Scan# 1000
Delta R.T. 0.01 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion: 59 Resp: 59936
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

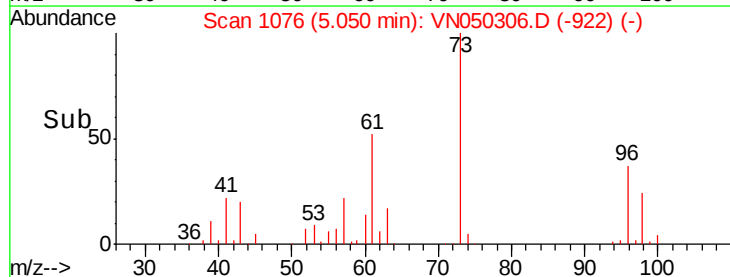
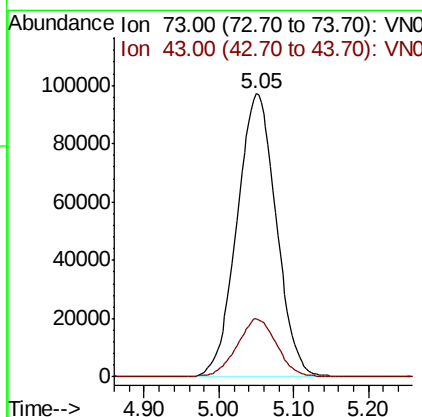
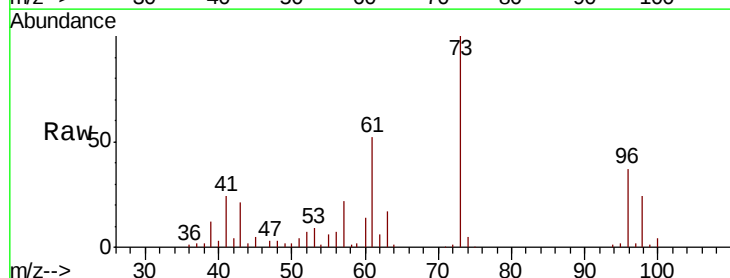
Manual Integrations
APPROVED

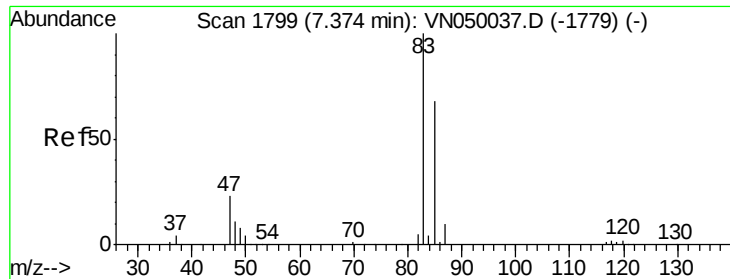
MMDadoda
8/6/2018 11:38:03 AM



#24
Methyl tert-Butyl Ether
Concen: 19.26 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 73 Resp: 354771
Ion Ratio Lower Upper
73 100
43 20.6 15.5 23.3





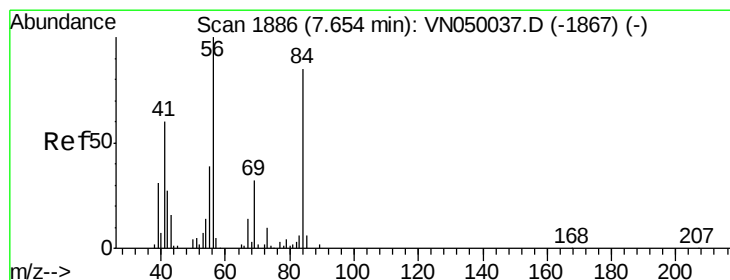
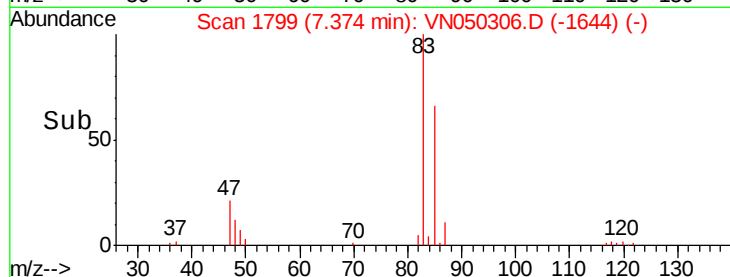
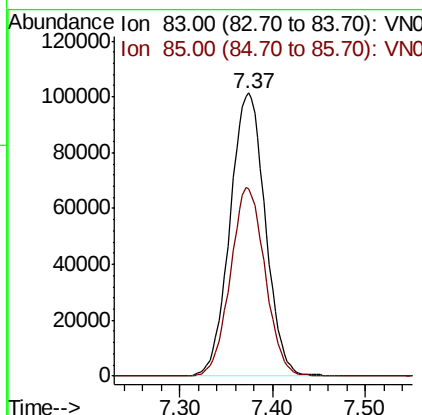
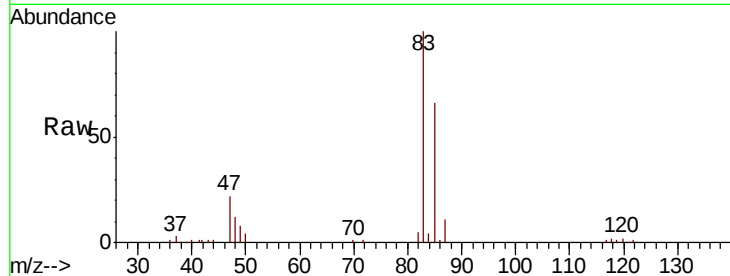
#25
Chloroform
Concen: 19.18 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	83	85	Ratio	Lower	Upper
266966	100	66.3		52.1	78.1

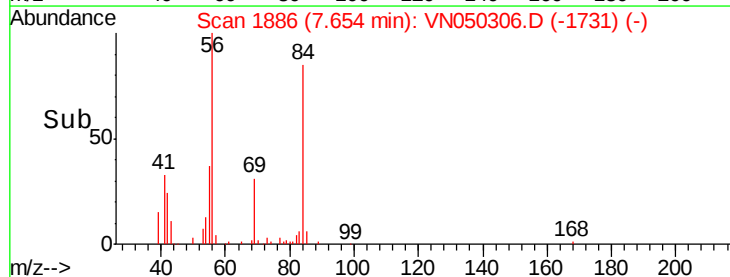
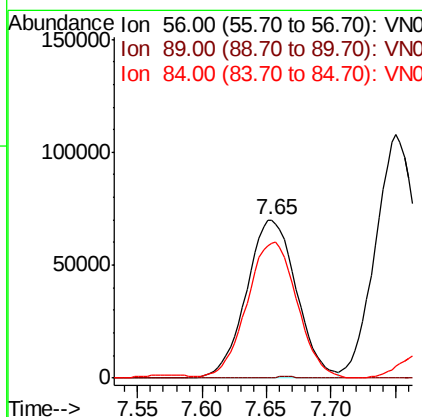
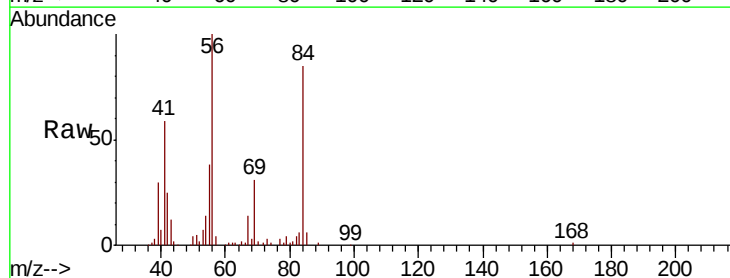
Manual Integrations
APPROVED

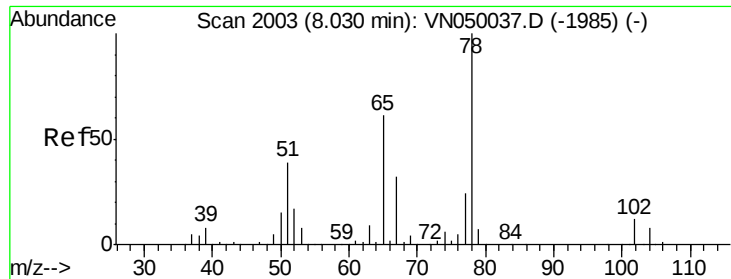
MMDadoda
8/6/2018 11:38:03 AM



#26
Cyclohexane
Concen: 17.35 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	56	89	84	Ratio	Lower	Upper
189618	100	0.7	85.8		3.0	104.8





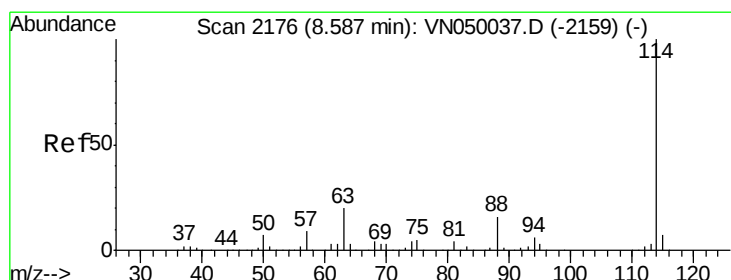
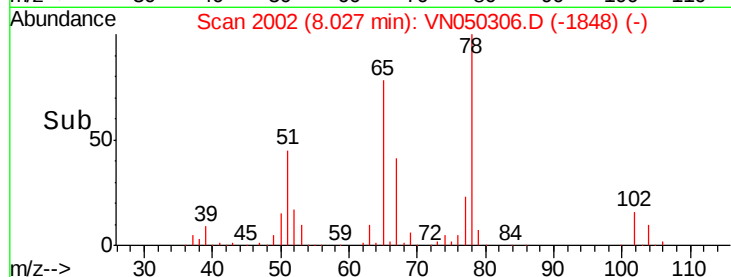
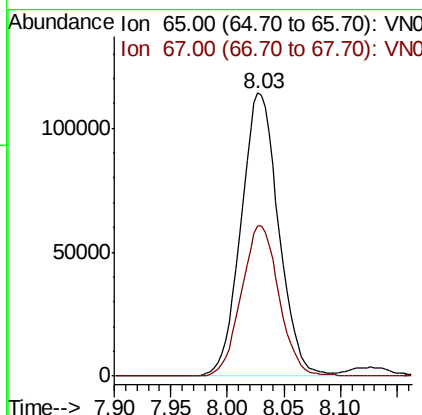
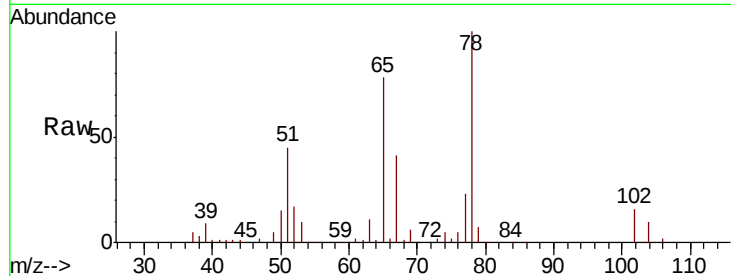
#27
 1,2-Dichloroethane-d4
 Concen: 30.73 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.1	42.7	64.1

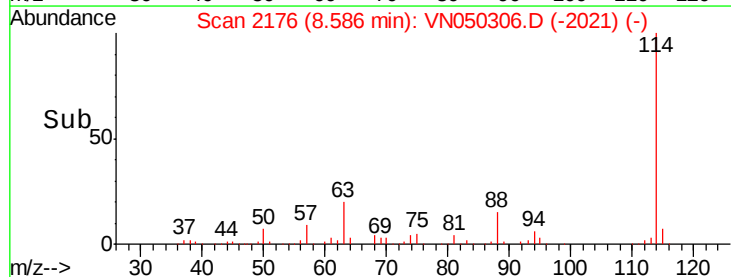
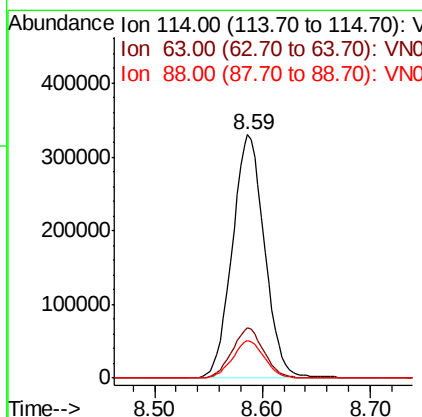
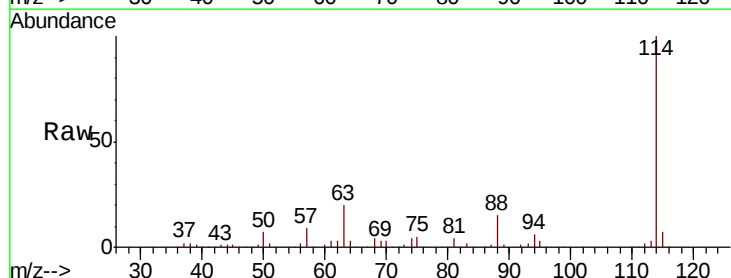
Manual Integrations
 APPROVED

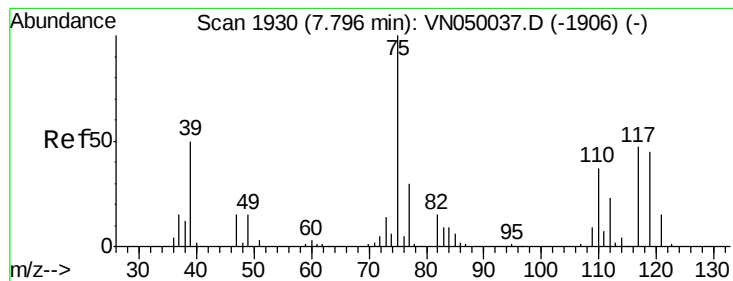
MMDadoda
 8/6/2018 11:38:03 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.2	16.2	24.2
88	15.3	12.3	18.5





#29

1,1-Dichloropropene

Concen: 17.49 ug/l

RT: 7.79 min Scan# 1929

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

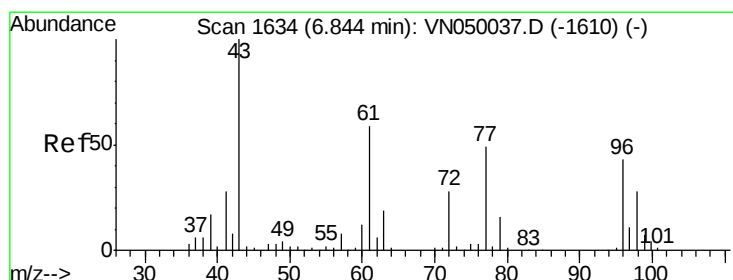
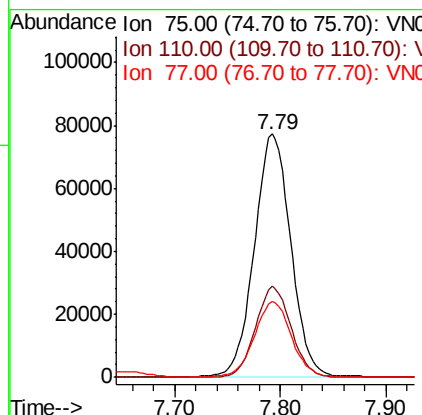
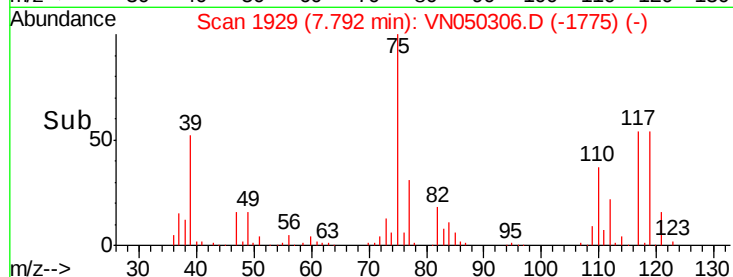
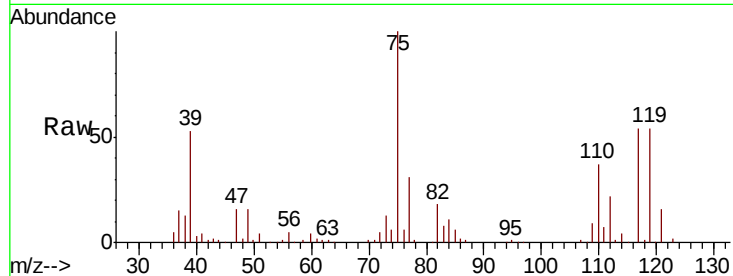
ClientSampled :

VN0803WBS01

Tot Ion:	75	Resp:	186772
Ion Ratio	Lower	Upper	
75	100		
110	36.3	0.0	73.2
77	31.7	0.0	62.0

Manual Integrations
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#30

2-Butanone

Concen: 91.67 ug/l

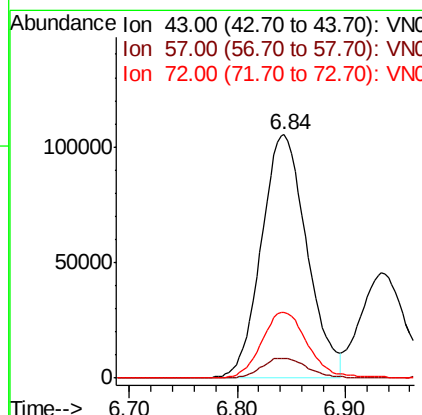
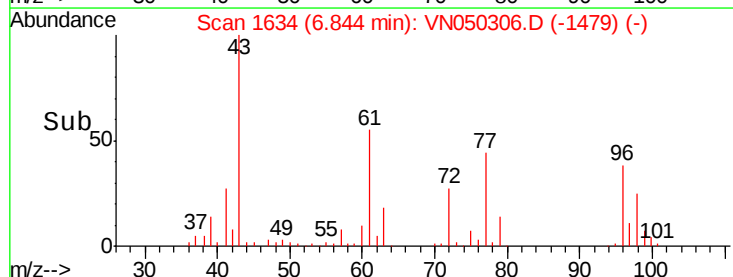
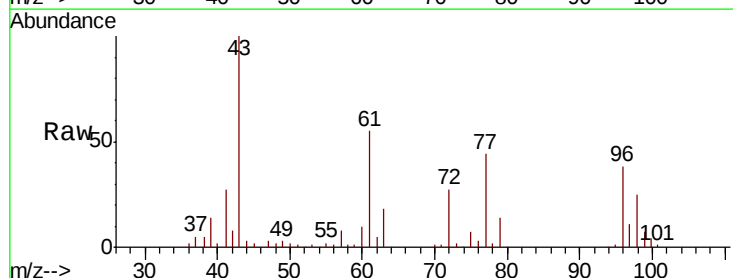
RT: 6.84 min Scan# 1634

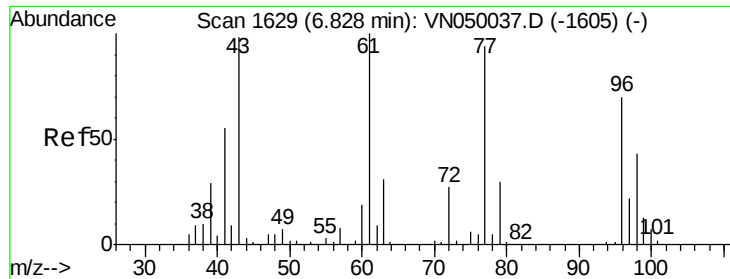
Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	43	Resp:	307199
Ion Ratio	Lower	Upper	
43	100		
57	8.3	6.8	10.2
72	27.5	21.4	32.0





#31

2,2-Dichloropropane

Concen: 17.81 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 77 Resp: 210275

Ion Ratio Lower Upper

77 100

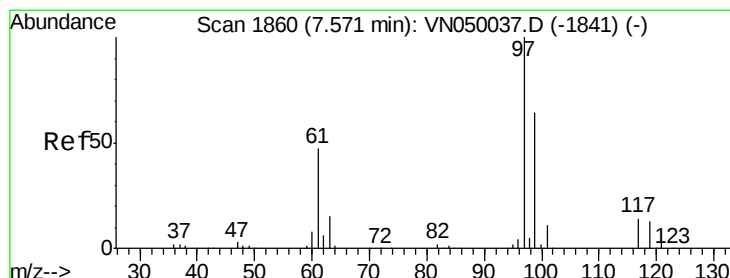
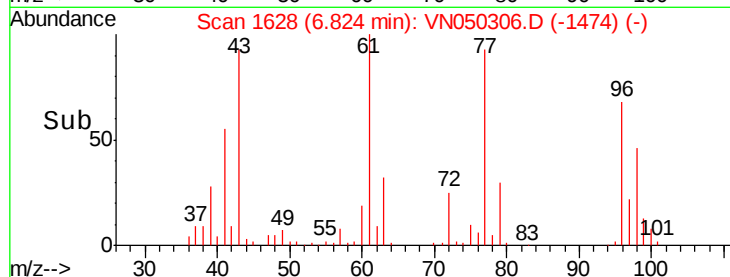
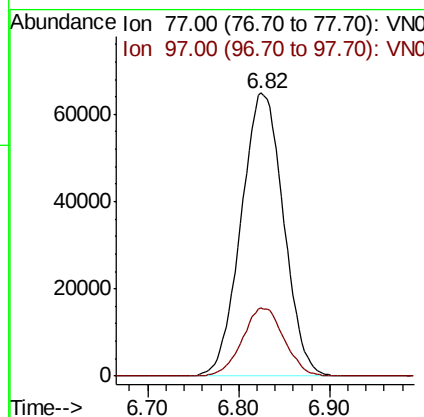
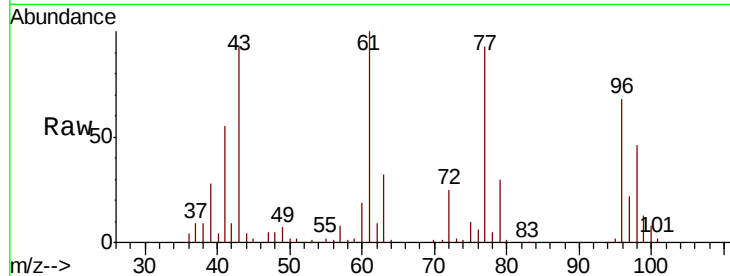
97 23.6 18.9 28.3

Manual Integrations

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#32

1,1,1-Trichloroethane

Concen: 17.93 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

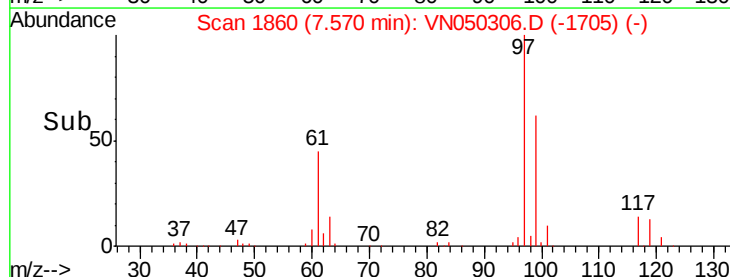
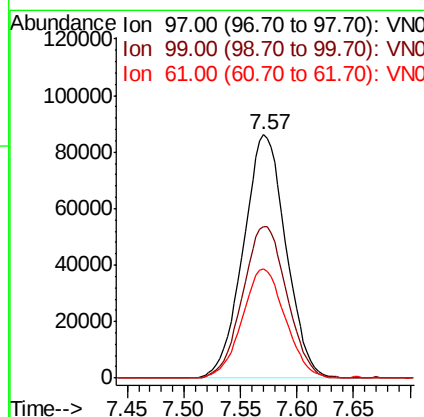
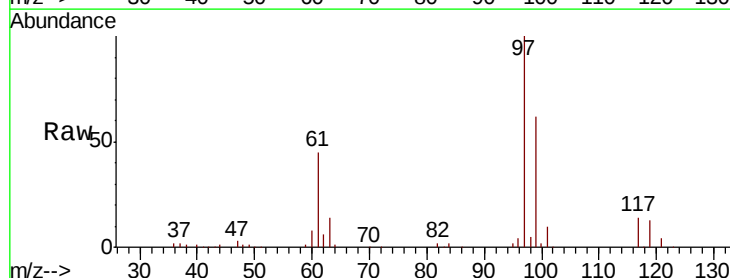
Tgt Ion: 97 Resp: 225407

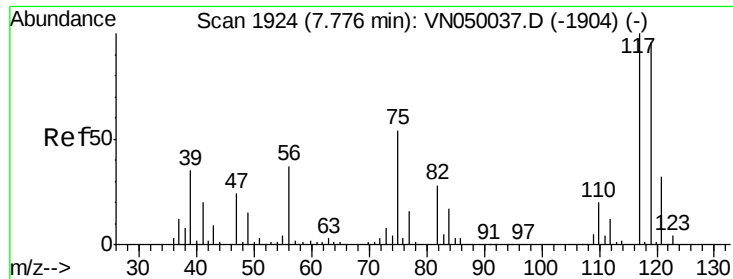
Ion Ratio Lower Upper

97 100

99 64.6 51.2 76.8

61 45.4 35.3 52.9





#33

Carbon Tetrachloride

Concen: 17.56 ug/l

RT: 7.77 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

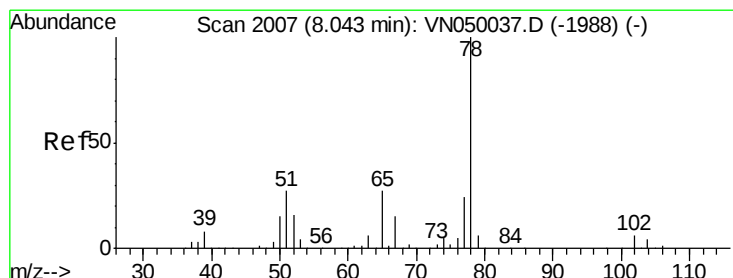
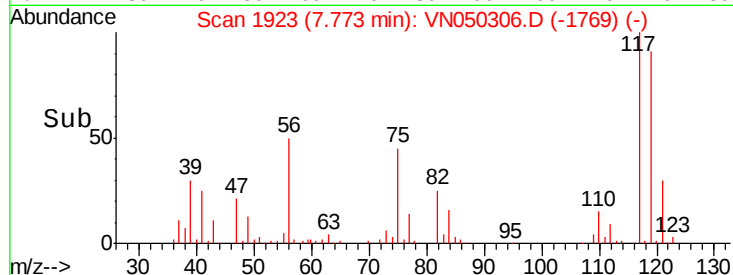
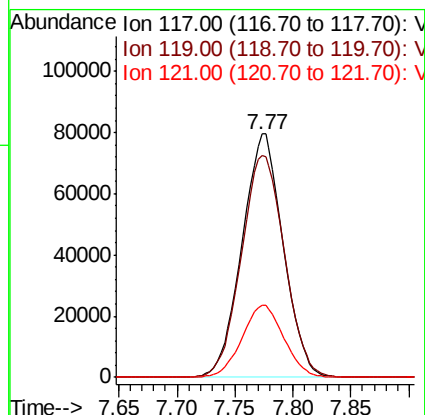
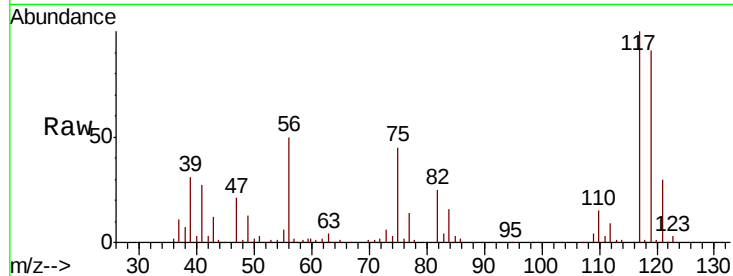
ClientSampled :

VN0803WBS01

Tot Ion:	117	Resp:	196802
Ion Ratio	Lower	Upper	
117	100		
119	91.3	76.9	115.3
121	29.6	24.4	36.6

Manual Integrations
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#34

Benzene

Concen: 17.79 ug/l

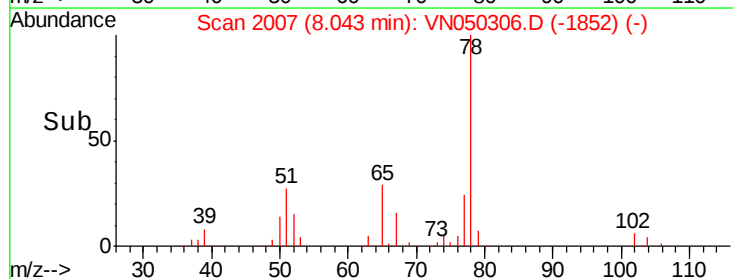
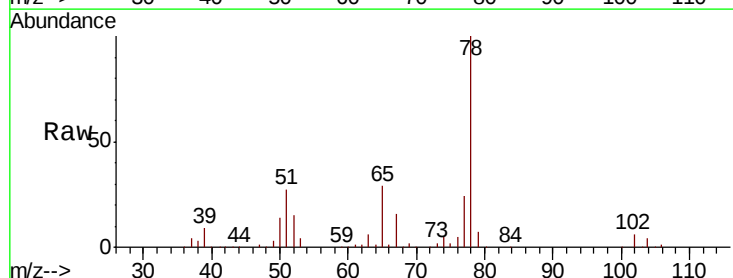
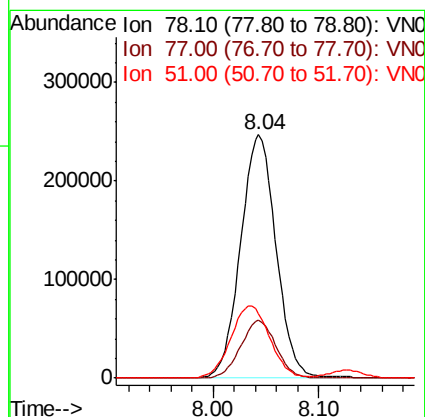
RT: 8.04 min Scan# 2007

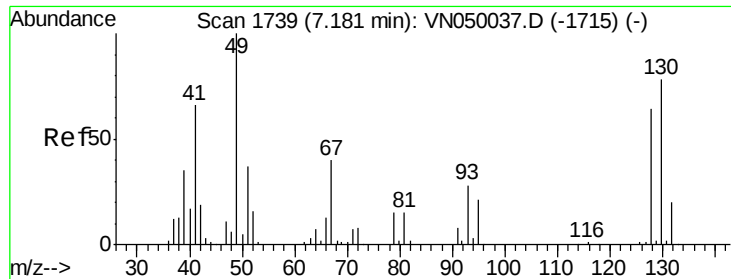
Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	78	Resp:	577116
Ion Ratio	Lower	Upper	
78	100		
77	23.7	19.1	28.7
51	26.5	21.0	31.4





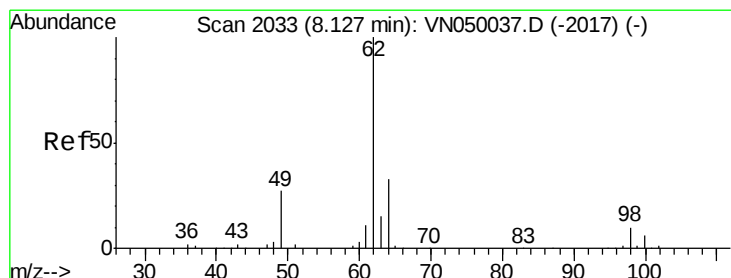
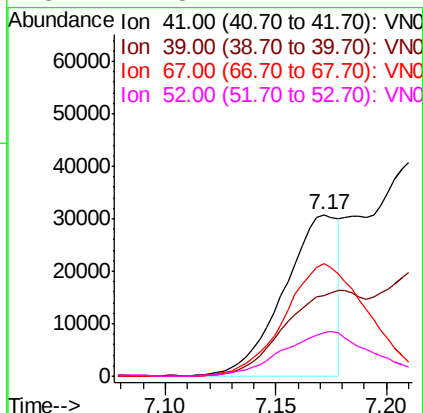
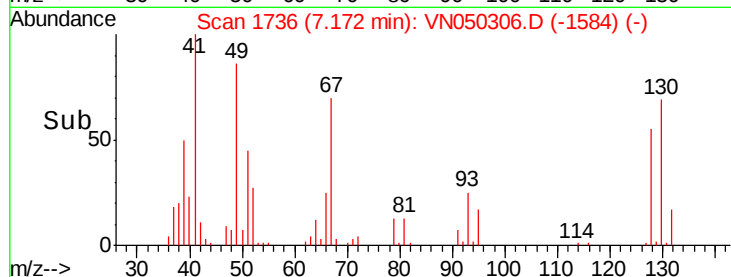
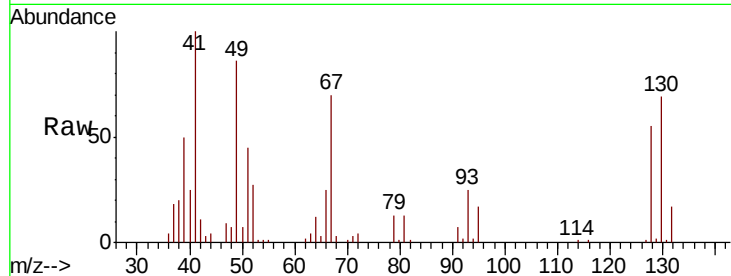
#35
Methacrylonitrile
Concen: 13.82 ug/l
RT: 7.17 min Scan# 1736
Delta R.T. -0.01 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	50.1	27.6	82.7	
67	69.6	35.1	105.5	
52	27.3	14.1	42.4	

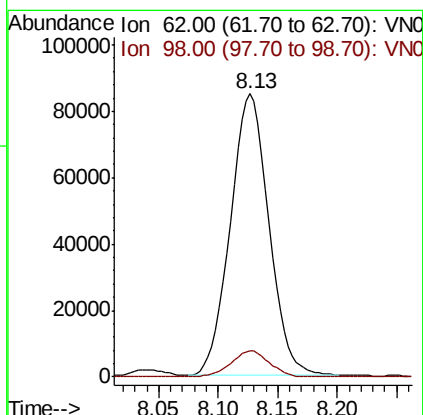
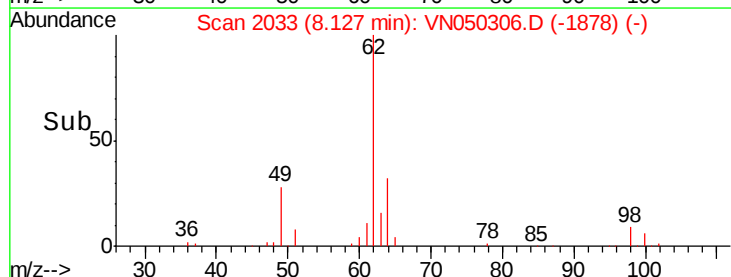
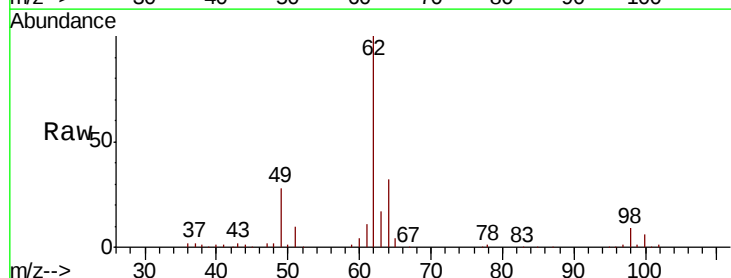
Manual Integrations
APPROVED

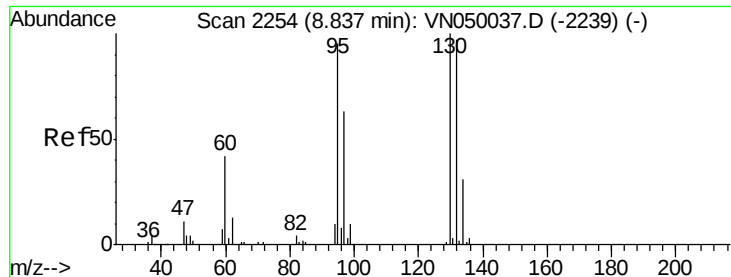
MMDadoda
8/6/2018 11:38:03 AM



#36
1,2-Dichloroethane
Concen: 17.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.3	7.8	11.6	





#37

Trichloroethene

Concen: 17.56 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion:130 Resp: 149375

Ion Ratio Lower Upper

130 100

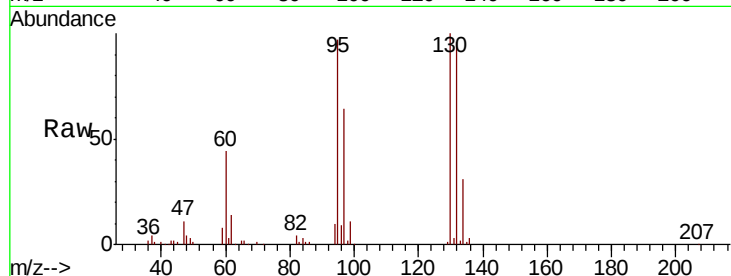
95 97.1 79.7 119.5

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

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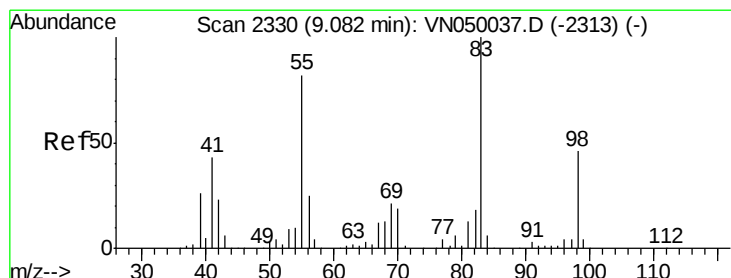
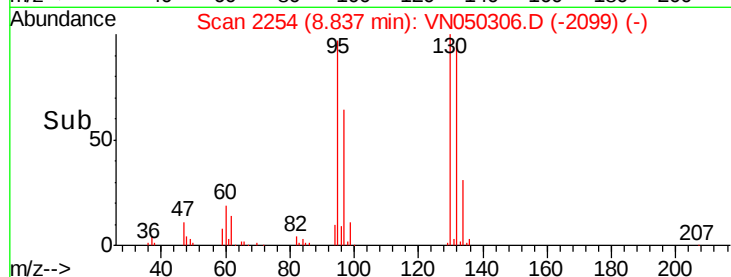
8.84

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8.84

8.84



#38

Methylcyclohexane

Concen: 16.43 ug/l

RT: 9.08 min Scan# 2330

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

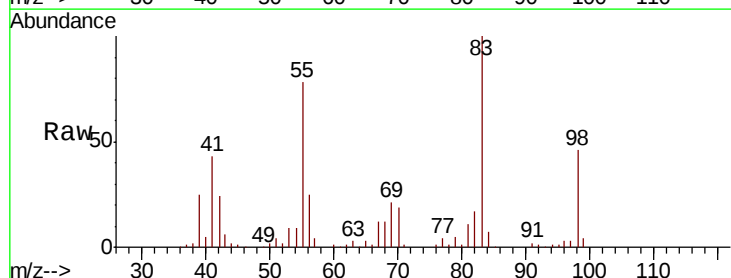
Tgt Ion: 83 Resp: 184995

Ion Ratio Lower Upper

83 100

55 77.6 39.3 117.8

98 46.1 23.0 69.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

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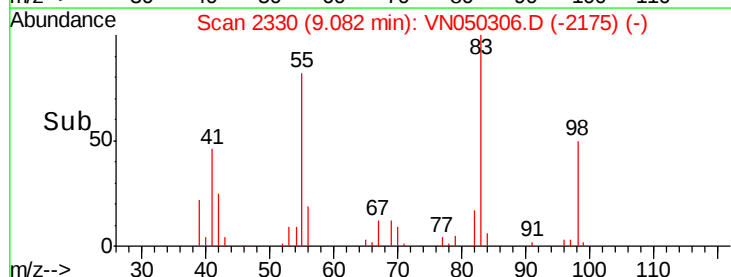
9.08

9.08

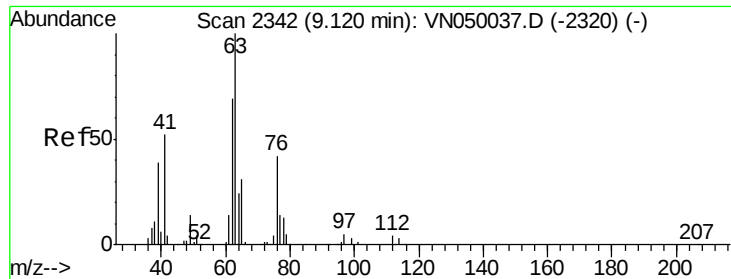
9.08

9.08

9.08



Time-->



#39

1,2-Dichloropropane

Concen: 18.43 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS01

Tot Ion: 63 Resp: 157453

Ion Ratio Lower Upper

63 100

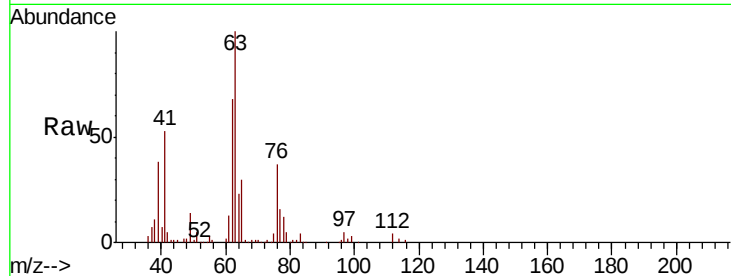
65 30.0 24.2 36.2

Manual Integrations

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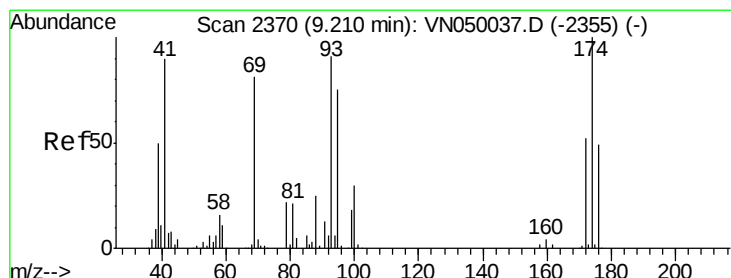
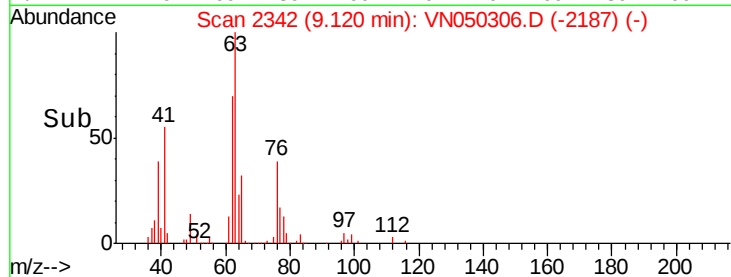
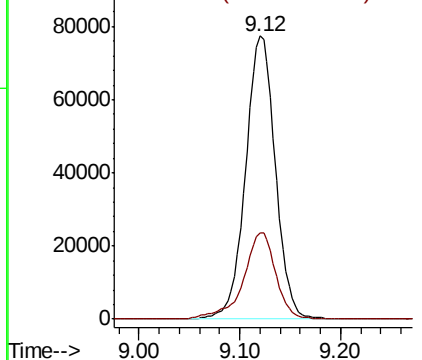
MMDadoda

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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: 18.17 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

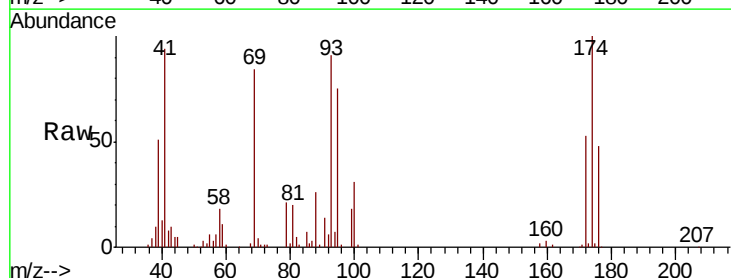
Tgt Ion: 93 Resp: 95934

Ion Ratio Lower Upper

93 100

95 83.7 0.0 165.6

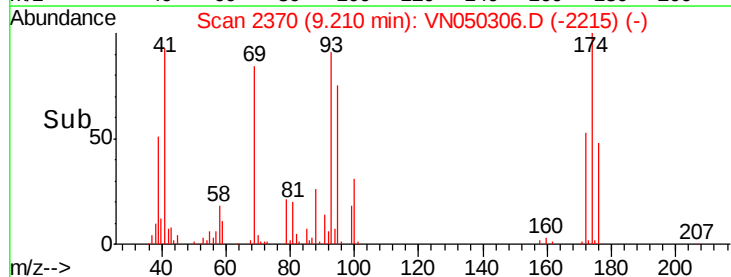
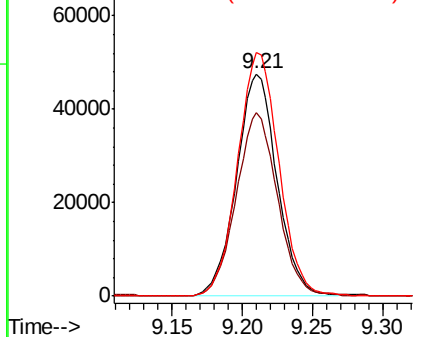
174 111.1 0.0 223.2

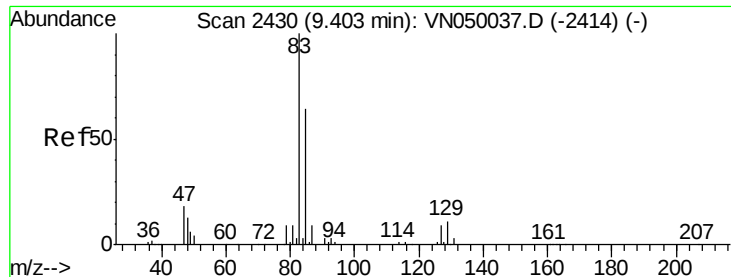


Abundance Ion 93.00 (92.70 to 93.70): VN0

Ion 95.00 (94.70 to 95.70): VN0

Ion 174.00 (173.70 to 174.70): V





#41

Bromodichloromethane

Concen: 18.20 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

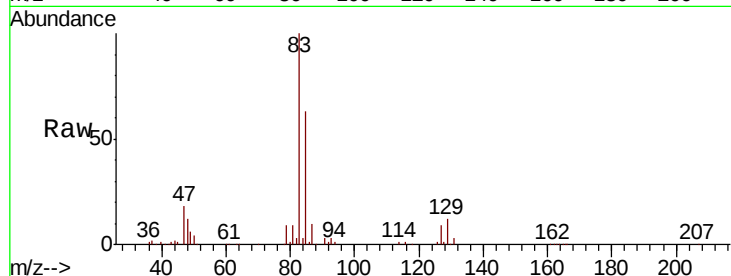
ClientSampled :

VN0803WBS01

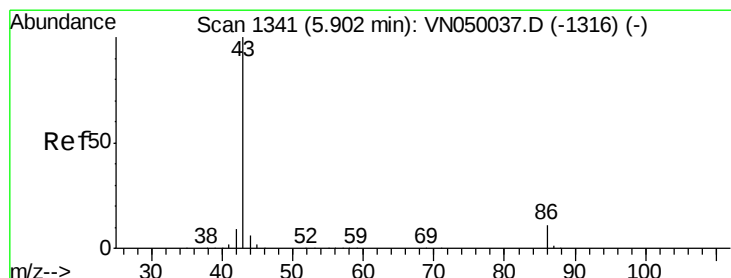
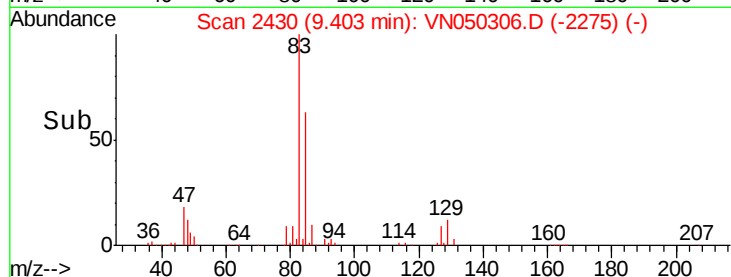
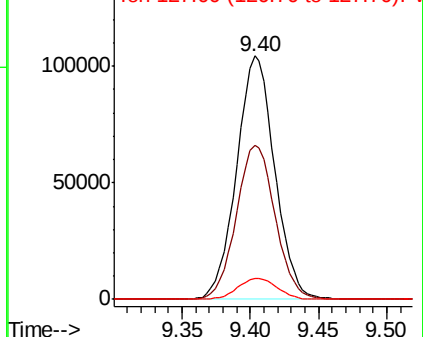
Tot Ion:	83	Resp:	202757
Ion Ratio	Lower	Upper	
83	100		
85	63.4	52.6	78.8
127	8.8	7.0	10.4

Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): V



#42

Vinyl Acetate

Concen: 85.78 ug/l

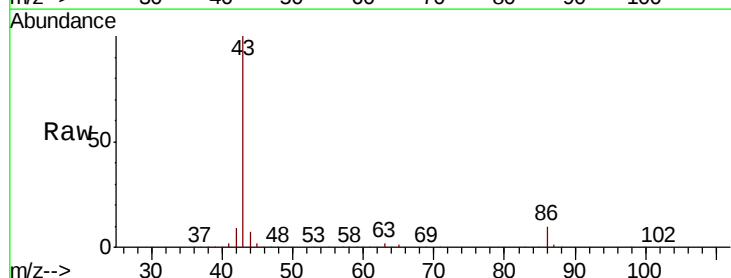
RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

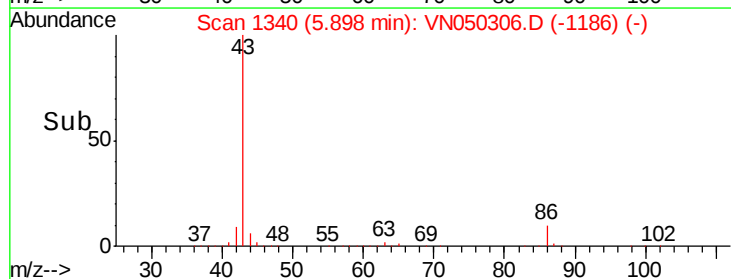
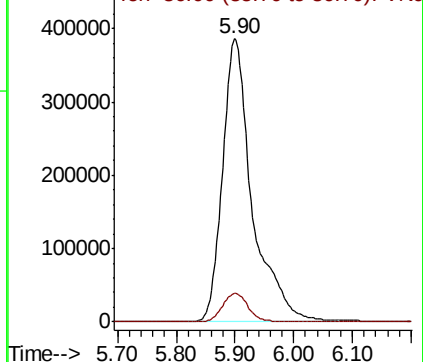
Lab File: VN050306.D

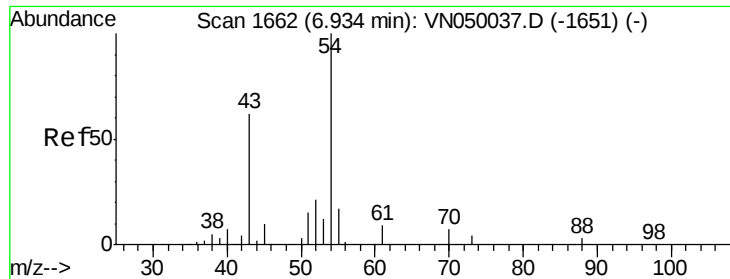
Acq: 3 Aug 2018 11:38

Tgt Ion:	43	Resp:	1352781
Ion Ratio	Lower	Upper	
43	100		
86	8.8	7.3	10.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 18.56 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion: 43 Resp: 129883

Ion Ratio Lower Upper

43 100

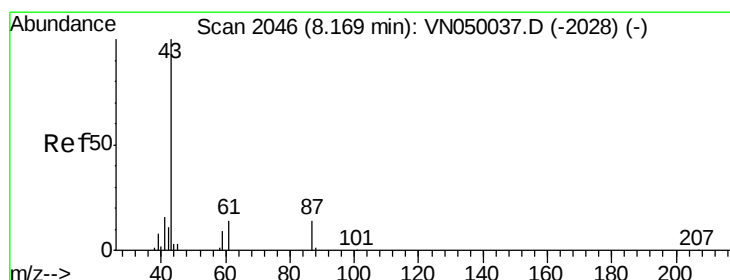
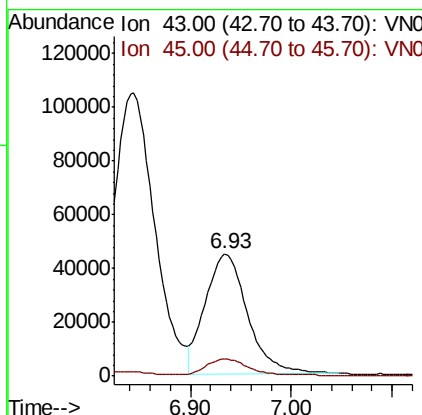
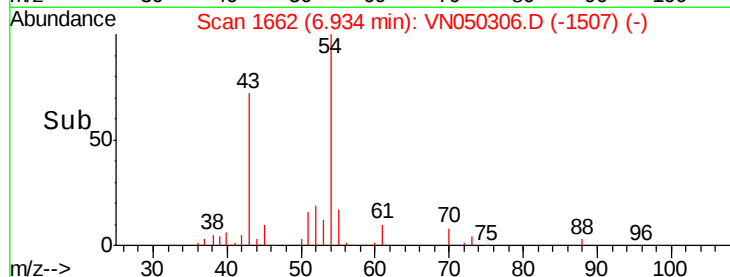
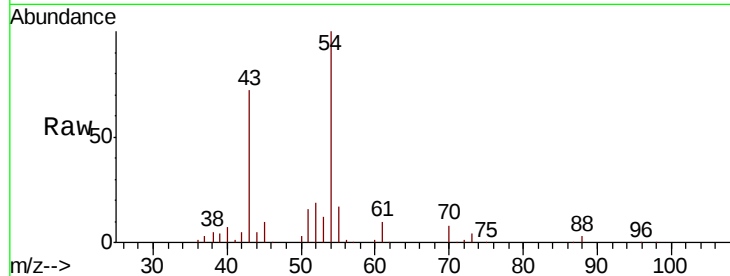
45 11.7 13.0 19.6#

Manual Integrations

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MMDadoda

8/6/2018 11:38:03 AM



#44

Isopropyl Acetate

Concen: 20.86 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN050306.D

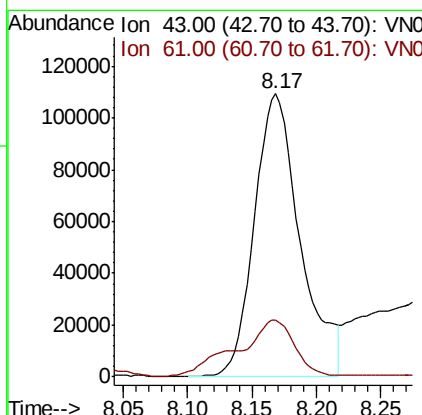
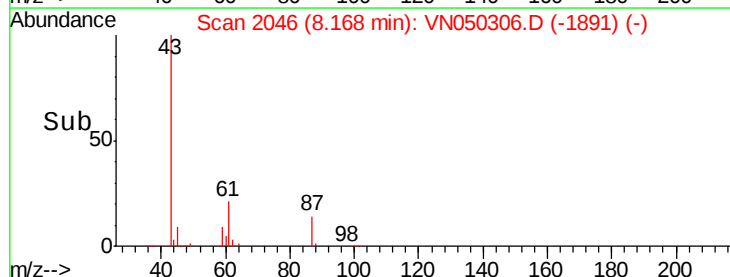
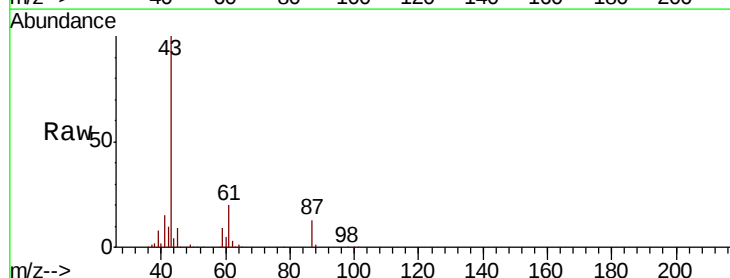
Acq: 3 Aug 2018 11:38

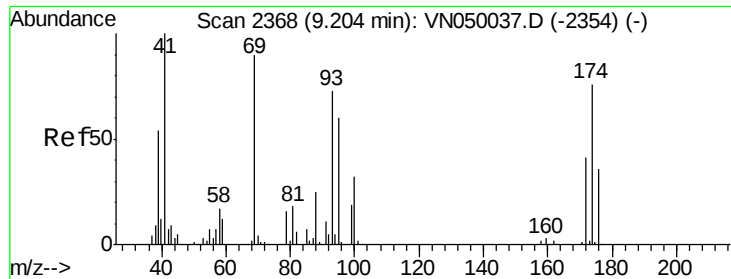
Tgt Ion: 43 Resp: 270423

Ion Ratio Lower Upper

43 100

61 16.3 16.4 24.6#





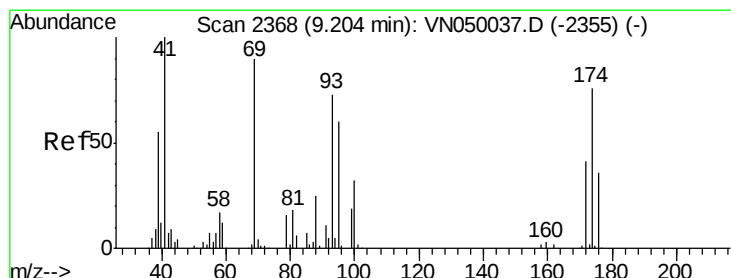
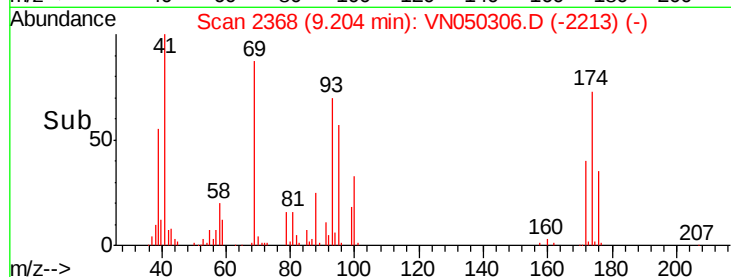
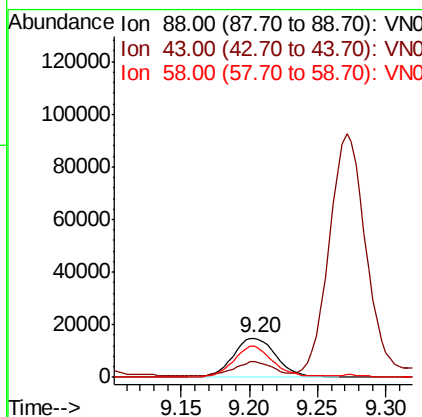
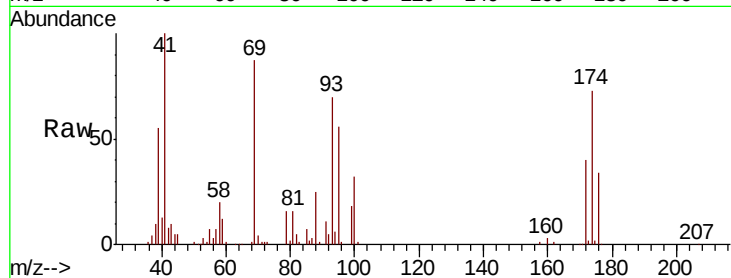
#45
1,4-Dioxane
Concen: 384.51 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.1	26.9	40.3
58	73.1	53.6	80.4

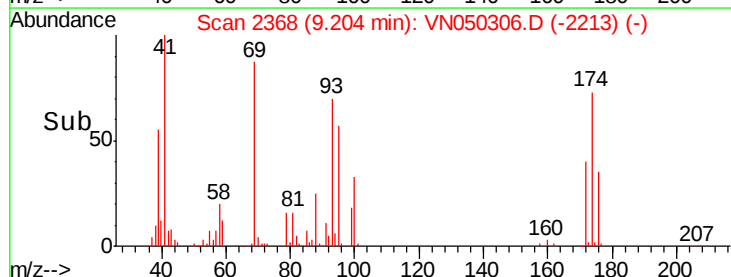
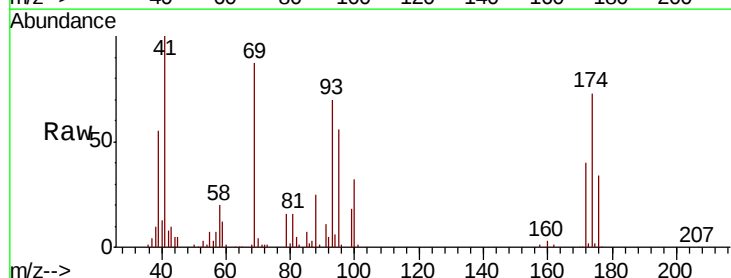
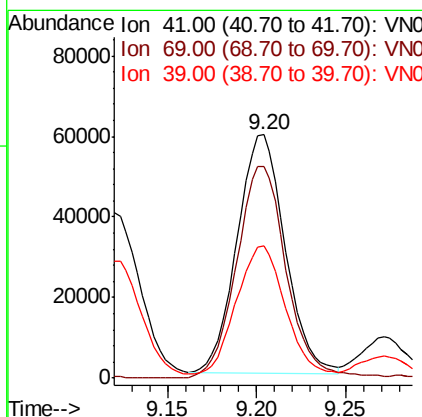
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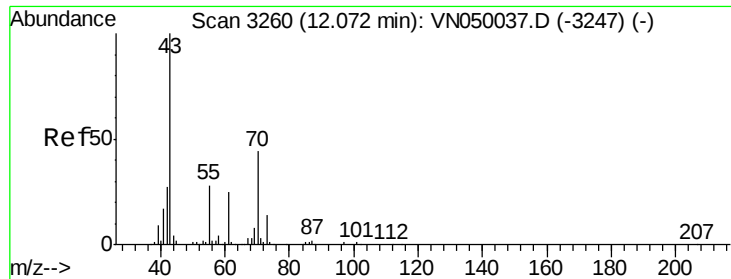
MMDadoda
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#46
Methyl methacrylate
Concen: 17.69 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.8	44.0	132.1
39	54.3	27.0	80.8





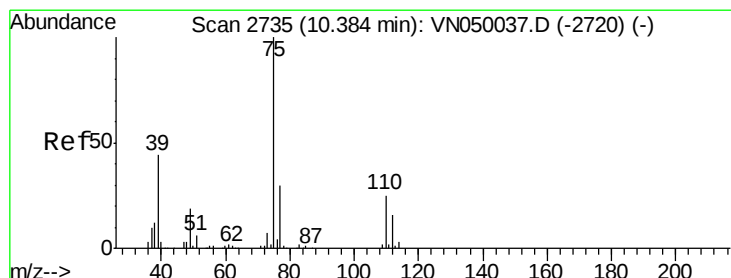
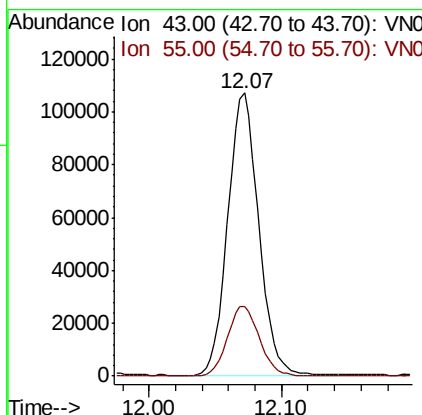
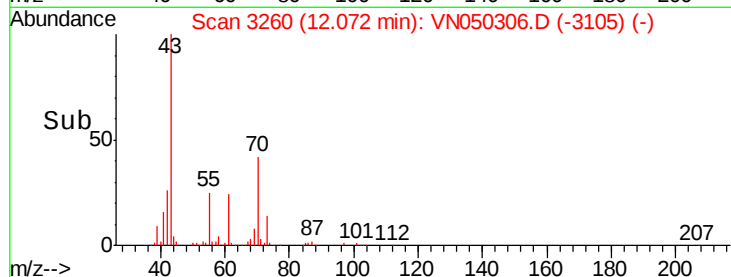
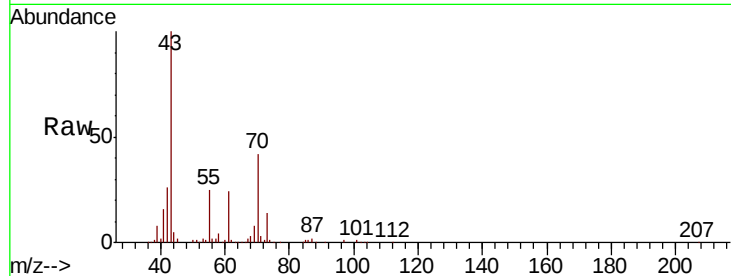
#47
n-amvl Acetate
Concen: 17.15 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion: 43 Resp: 173032
Ion Ratio Lower Upper
43 100
55 25.5 21.0 31.4

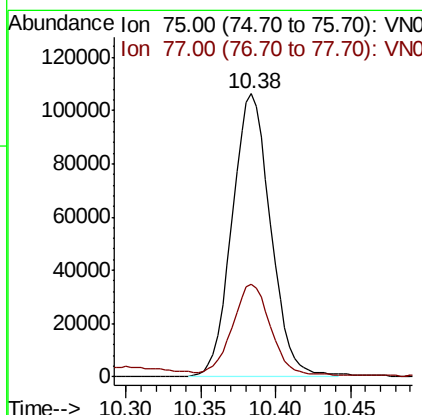
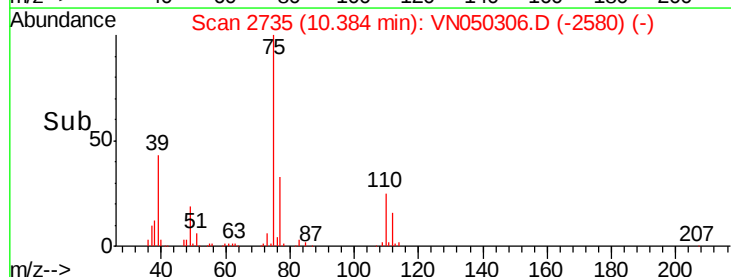
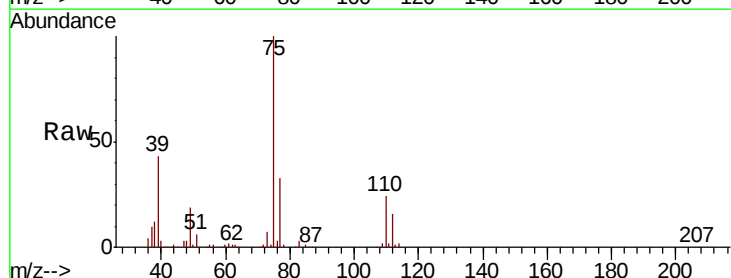
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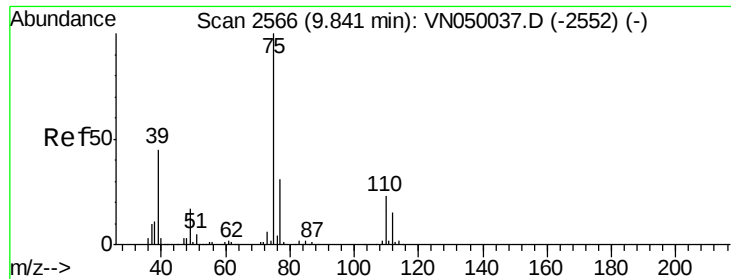
MMDadoda
8/6/2018 11:38:03 AM



#48
t-1,3-Dichloropropene
Concen: 17.95 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion: 75 Resp: 190613
Ion Ratio Lower Upper
75 100
77 32.1 24.6 37.0





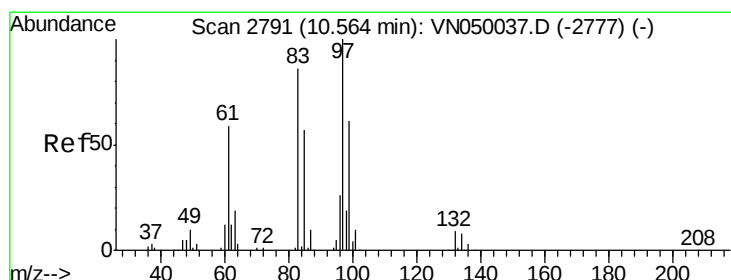
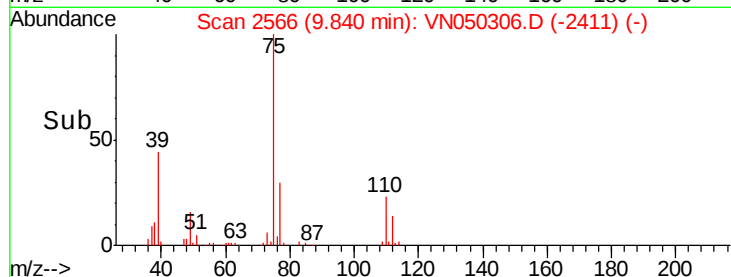
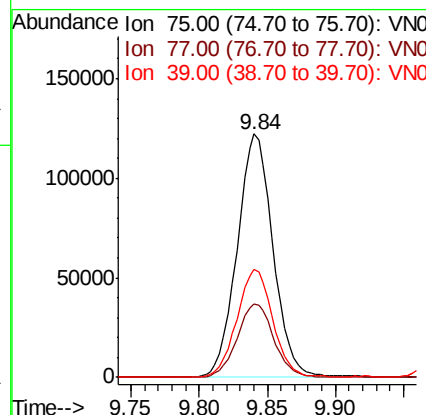
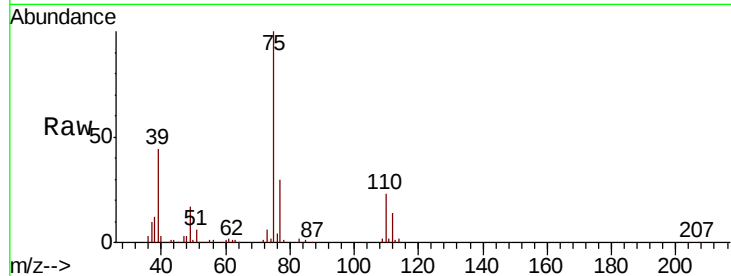
#49
 cis-1,3-Dichloropropene
 Concen: 17.88 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.1	25.7	38.5
39	43.9	36.3	54.5

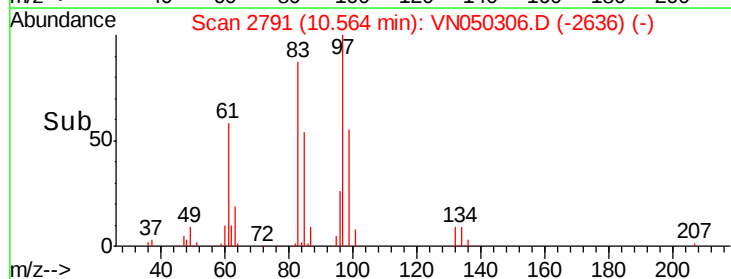
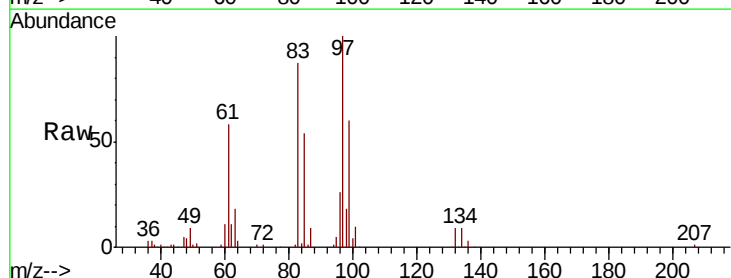
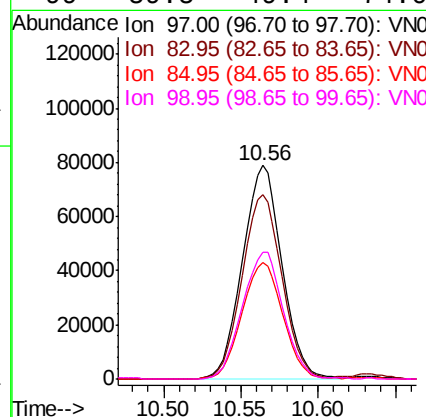
Manual Integrations
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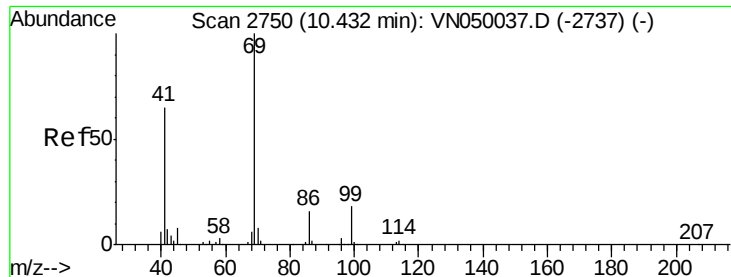
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 18.49 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.6	68.1	102.1
85	54.3	45.4	68.2
99	59.5	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.57 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

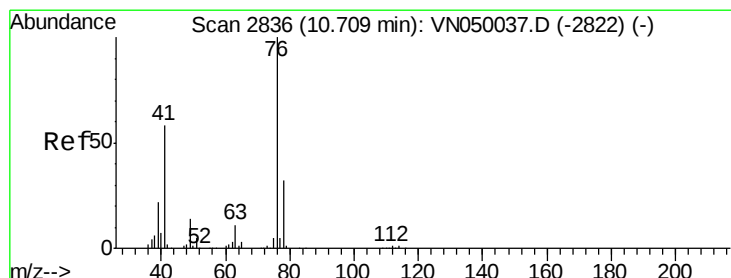
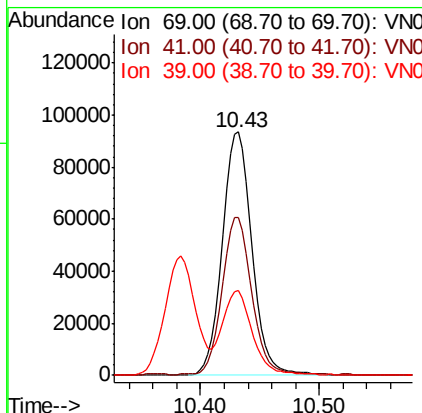
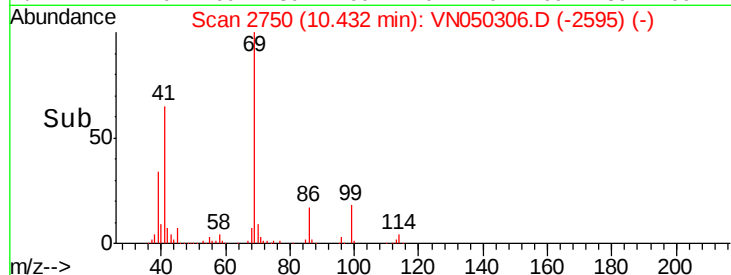
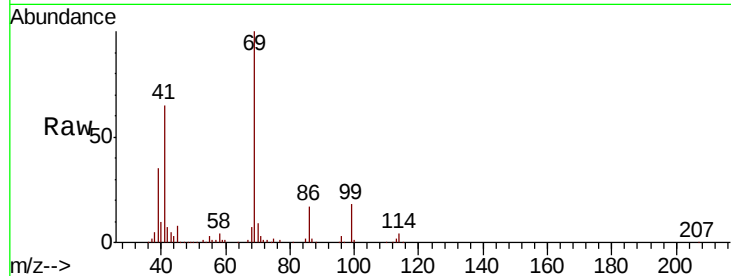
ClientSampled :

VN0803WBS01

Tot Ion:	69	Resp:	161661
Ion	Ratio	Lower	Upper
69	100		
41	64.7	31.9	95.9
39	34.3	16.7	50.1

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 18.24 ug/l

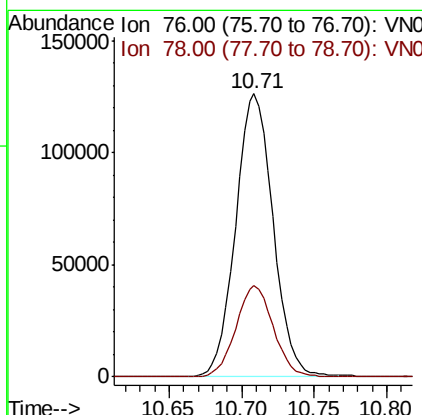
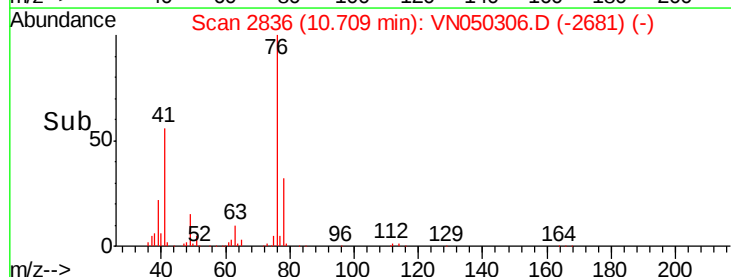
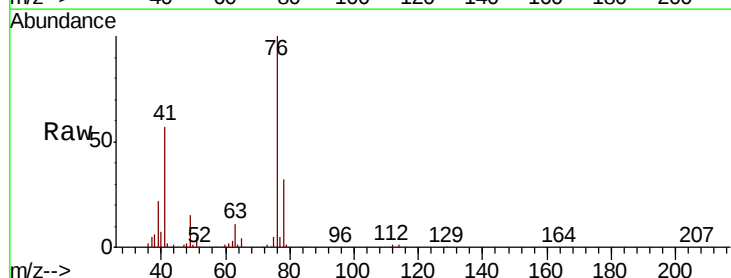
RT: 10.71 min Scan# 2836

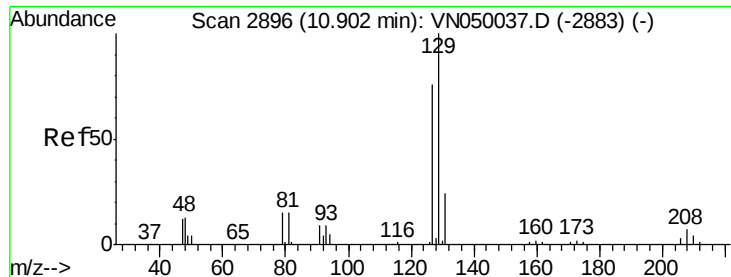
Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	76	Resp:	226990
Ion	Ratio	Lower	Upper
76	100		
78	32.3	0.0	65.6





#53

Dibromochloromethane

Concen: 17.93 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion:129 Resp: 154211

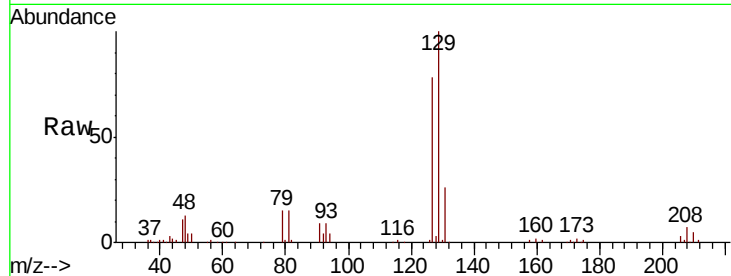
Ion Ratio Lower Upper

129 100

127 76.8 38.1 114.5

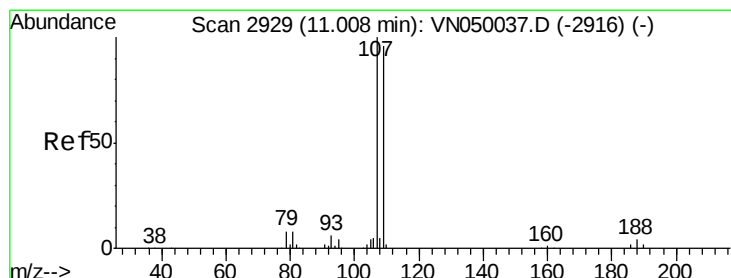
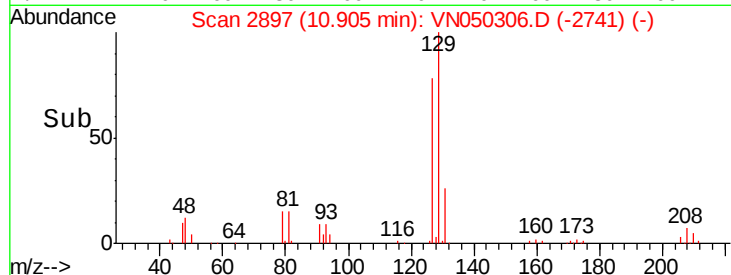
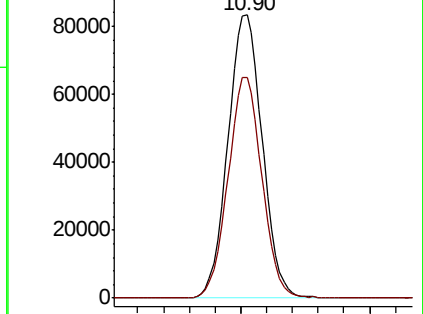
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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 17.84 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050306.D

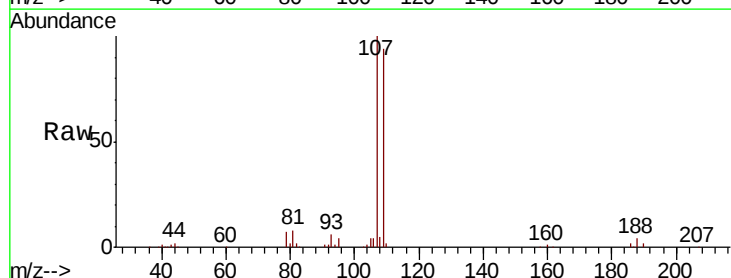
Acq: 3 Aug 2018 11:38

Tgt Ion:107 Resp: 132440

Ion Ratio Lower Upper

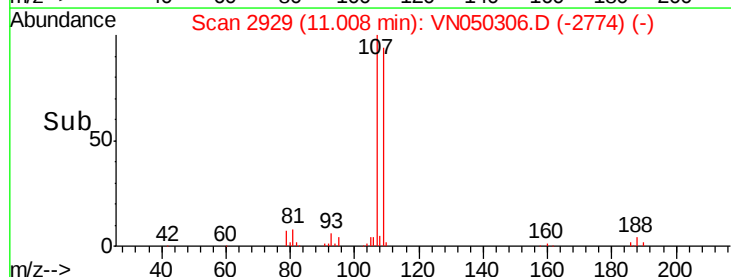
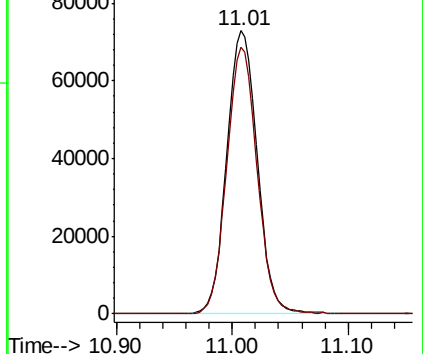
107 100

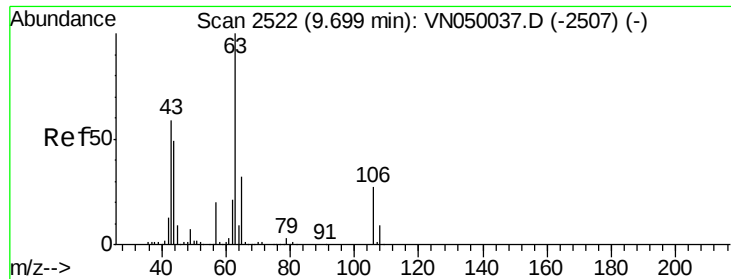
109 93.4 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





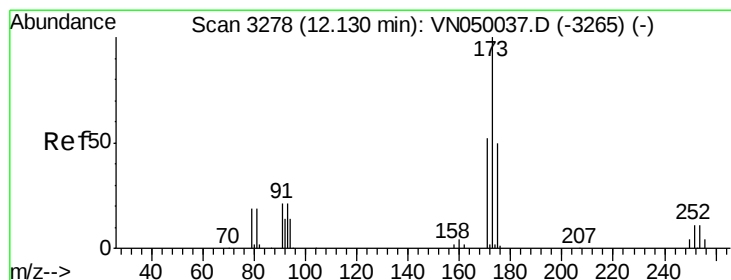
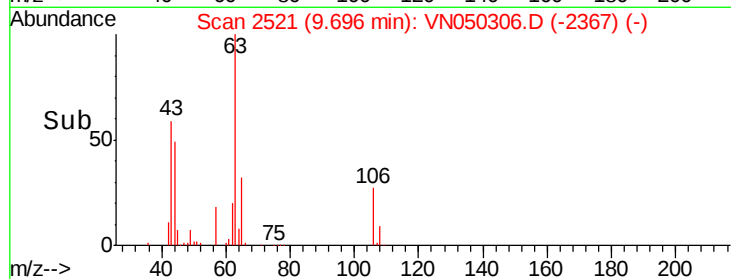
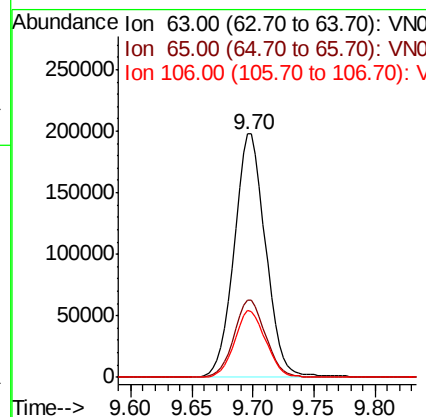
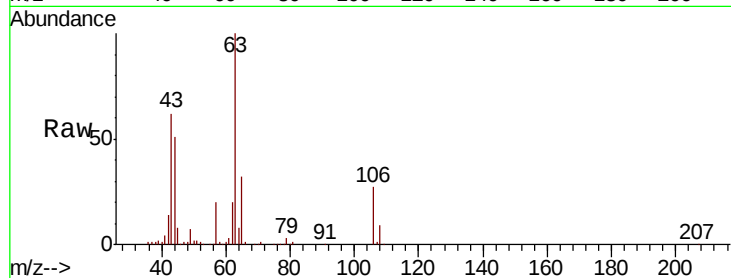
#55
2-Chloroethyl vinyl ether
Concen: 85.33 ug/l
RT: 9.70 min Scan# 2521
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	27.4	21.8	32.6

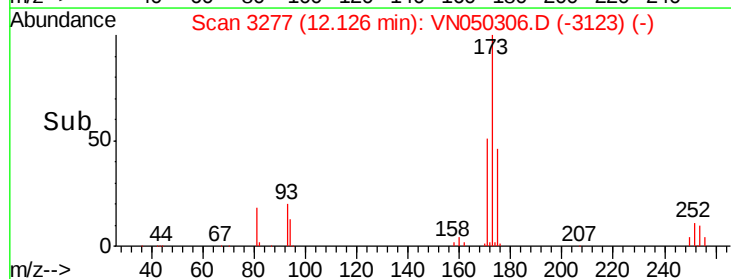
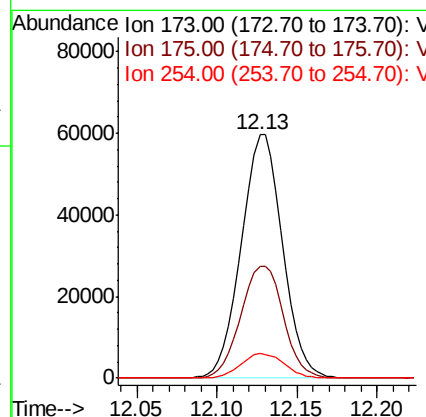
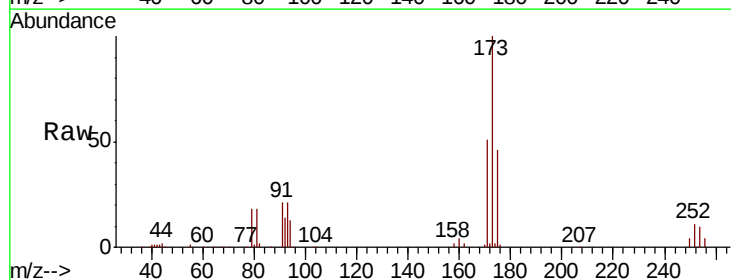
Manual Integrations
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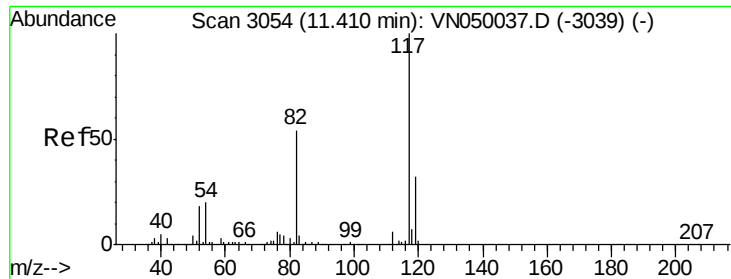
MMDadoda
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#56
Bromoform
Concen: 17.24 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.6	38.6	57.8
254	10.6	8.8	13.2





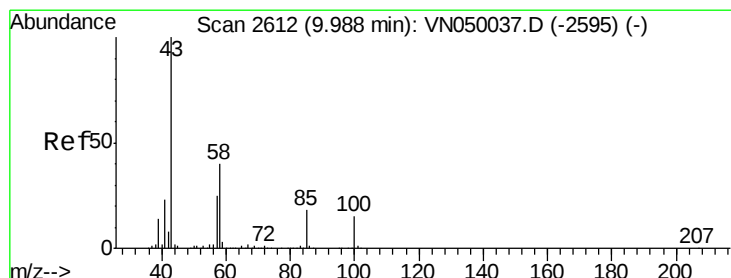
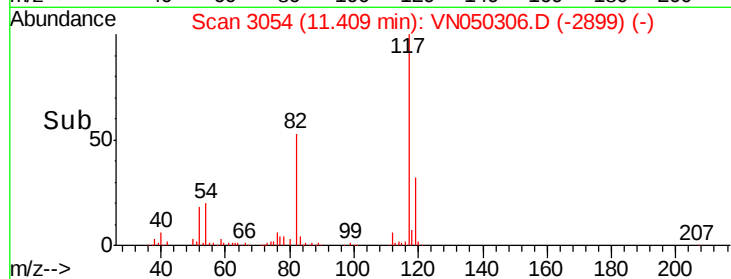
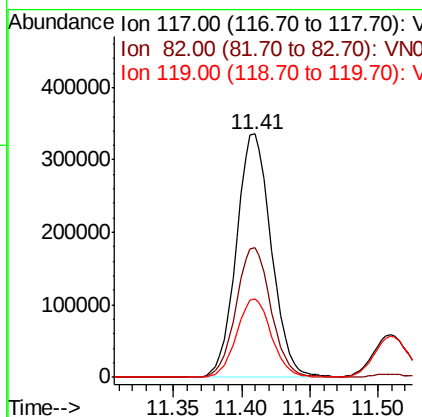
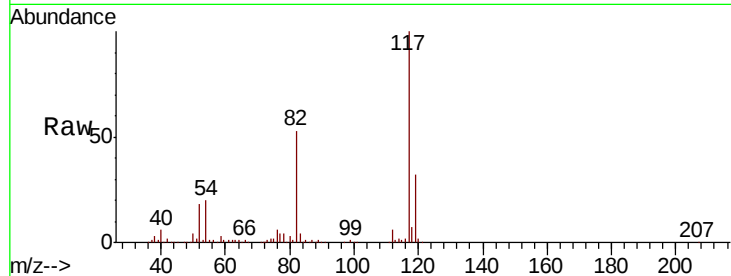
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.4	63.6
119	32.2	25.4	38.0

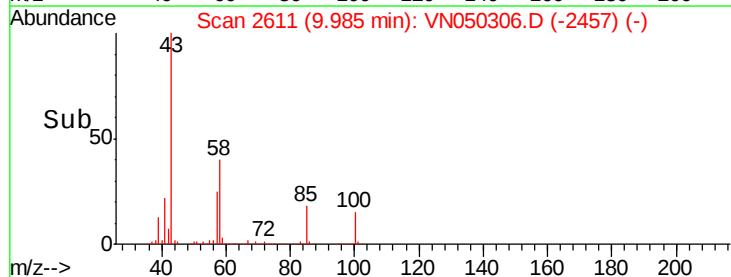
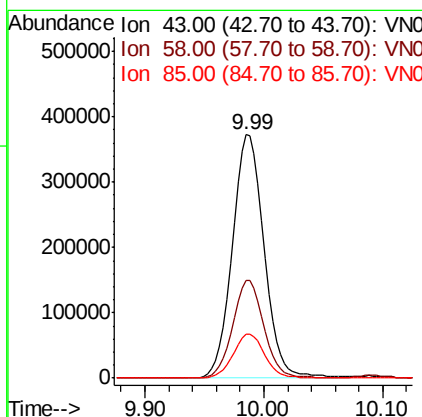
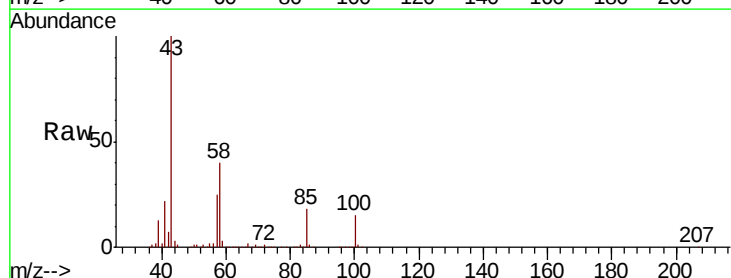
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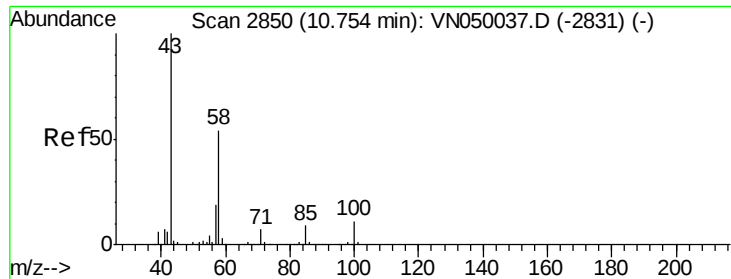
MMDadoda
8/6/2018 11:38:03 AM



#58
4-Methyl-2-Pentanone
Concen: 98.88 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
43	100		
58	39.6	31.2	46.8
85	18.2	14.4	21.6





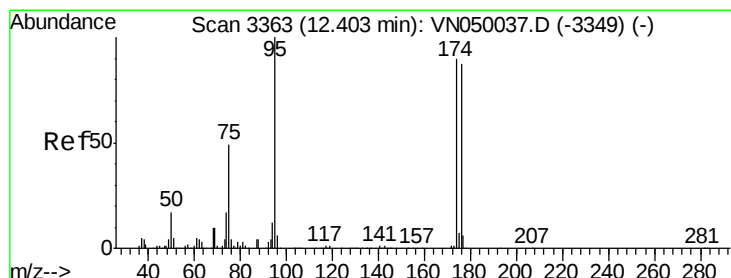
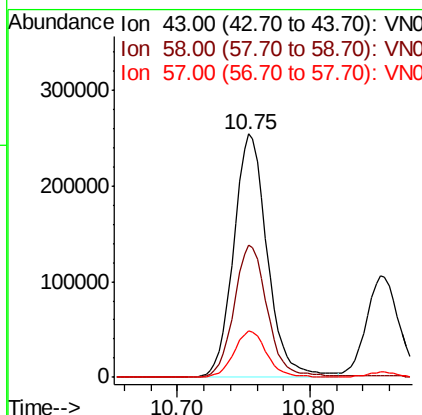
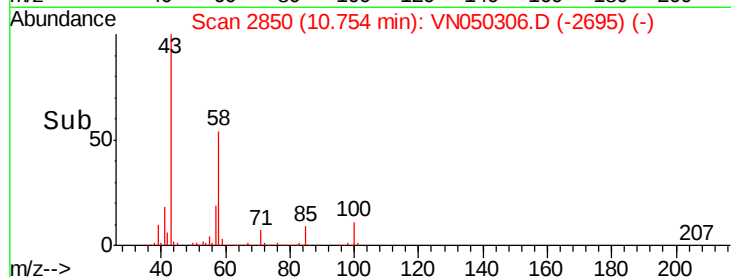
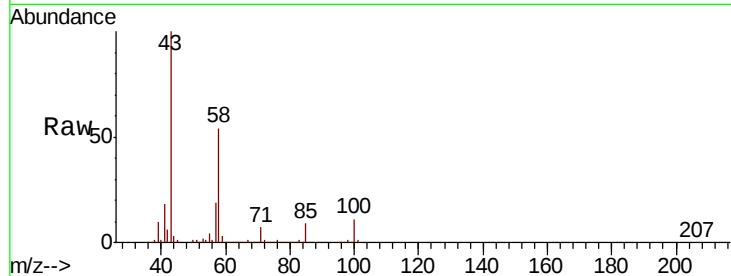
#59
2-Hexanone
Concen: 94.20 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.8	65.8
57	18.8	15.1	22.7

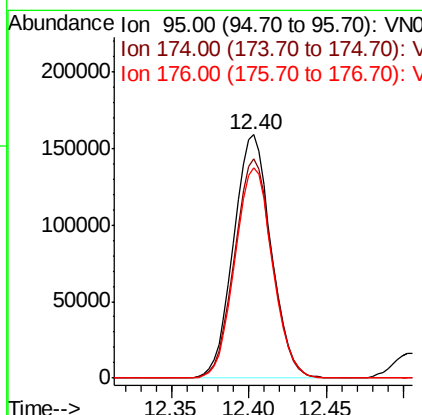
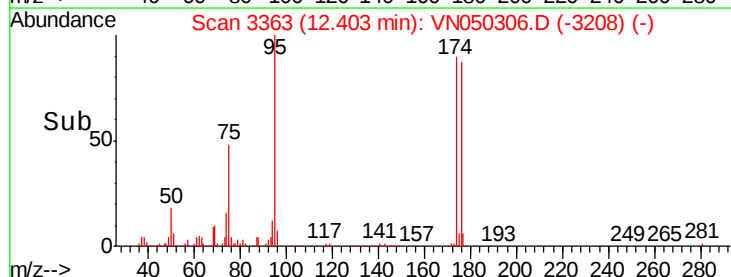
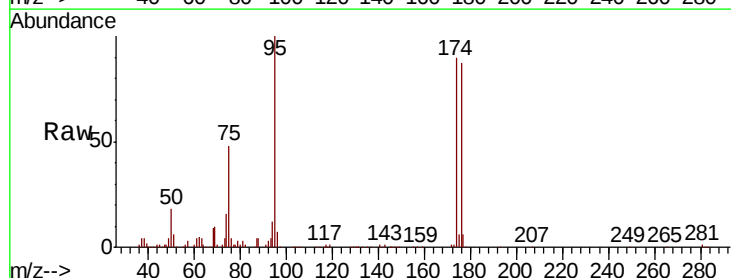
Manual Integrations
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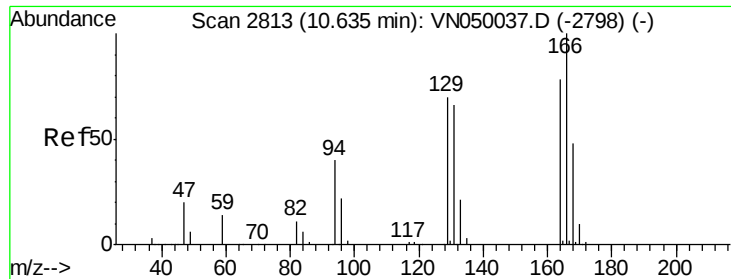
MMDadoda
8/6/2018 11:38:03 AM



#60
4-Bromofluorobenzene
Concen: 29.24 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	72.3	108.5
176	86.7	70.0	105.0





#61

Tetrachloroethene

Concen: 17.24 ug/l

RT: 10.63 min Scan# 2812

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion:164 Resp: 139398

Ion Ratio Lower Upper

164 100

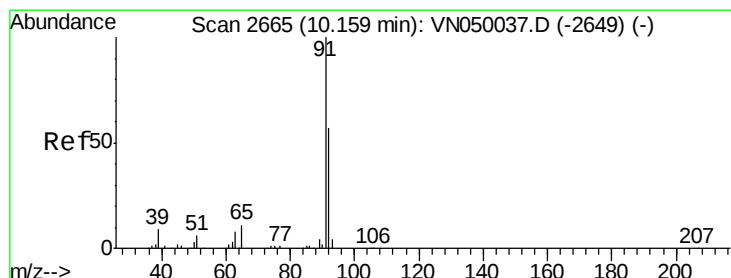
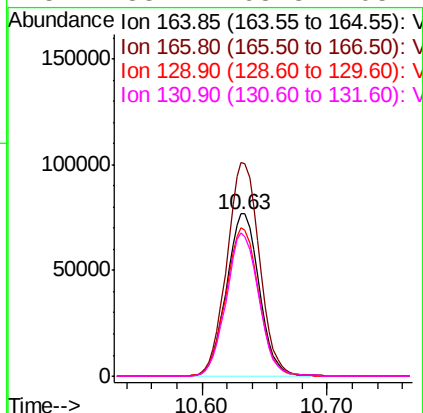
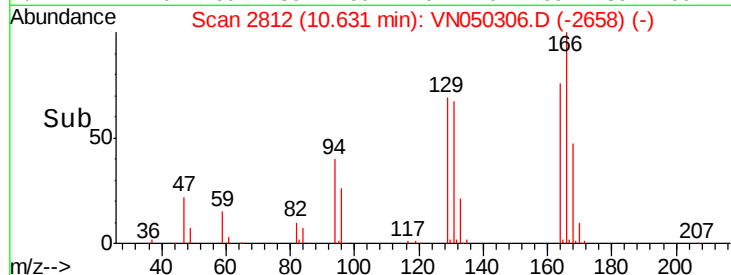
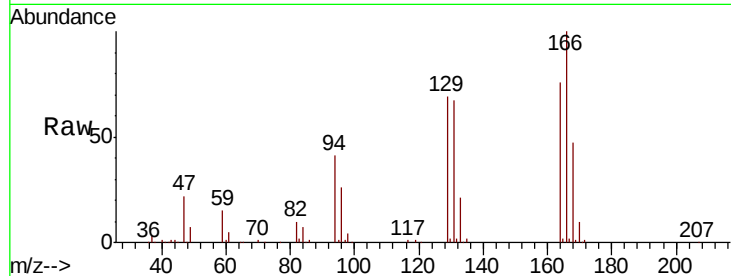
166 131.7 100.0 150.0

129 91.2 69.3 103.9

131 88.7 68.8 103.2

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#62

Toluene

Concen: 18.13 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050306.D

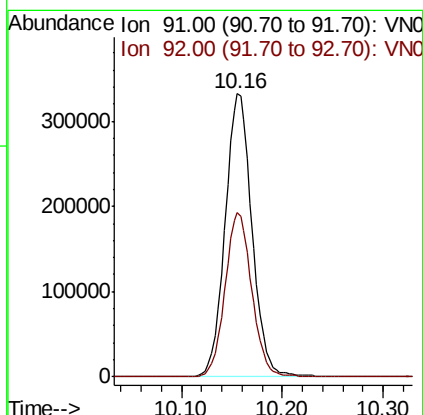
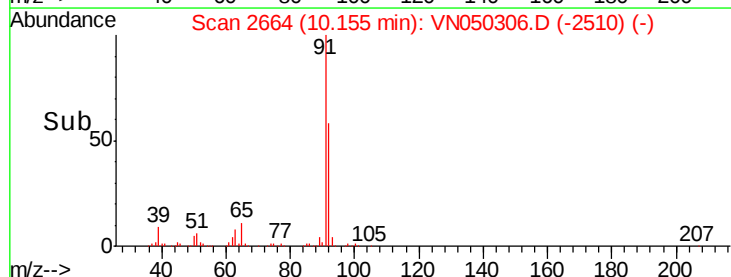
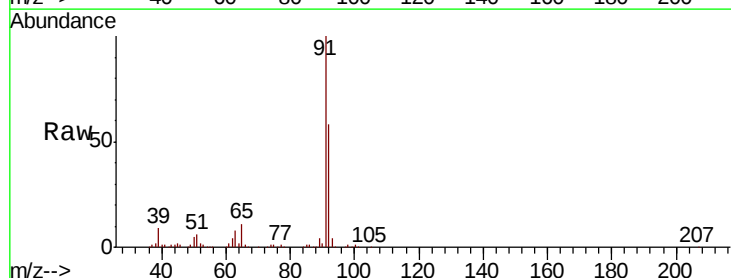
Acq: 3 Aug 2018 11:38

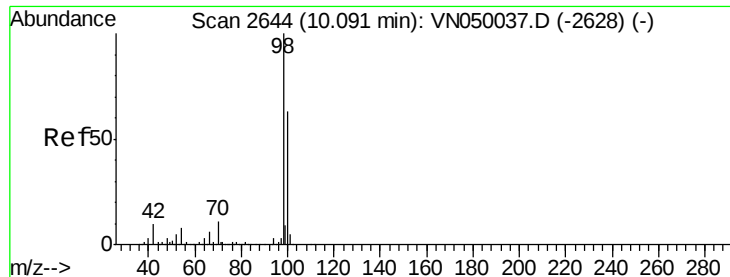
Tgt Ion: 91 Resp: 617559

Ion Ratio Lower Upper

91 100

92 57.6 45.7 68.5





#63

Toluene-d8

Concen: 30.29 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion: 98 Resp: 863739

Ion Ratio Lower Upper

98 100

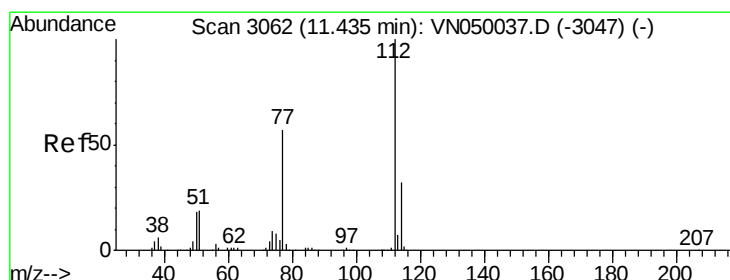
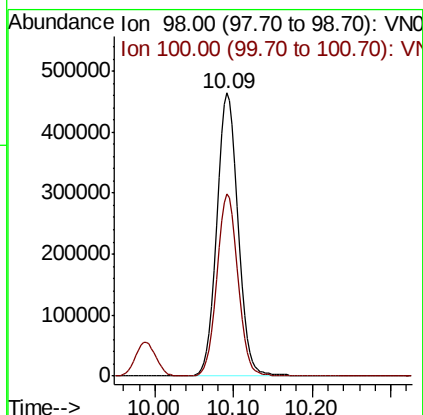
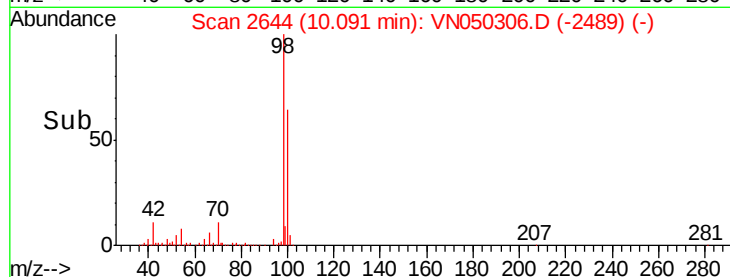
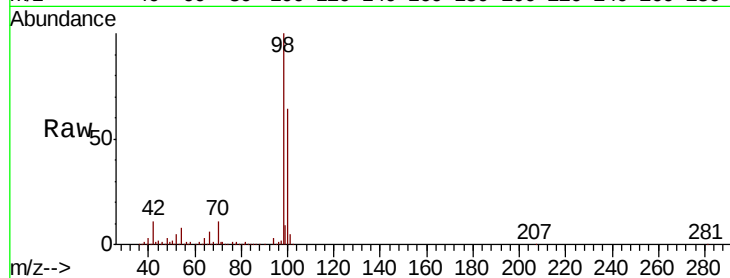
100 62.9 51.2 76.8

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#64

Chlorobenzene

Concen: 18.20 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050306.D

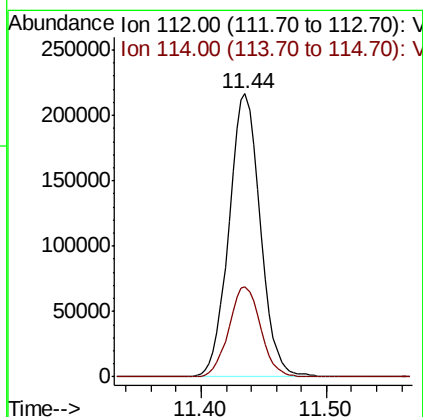
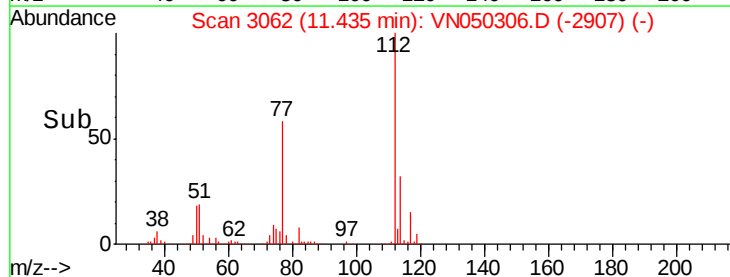
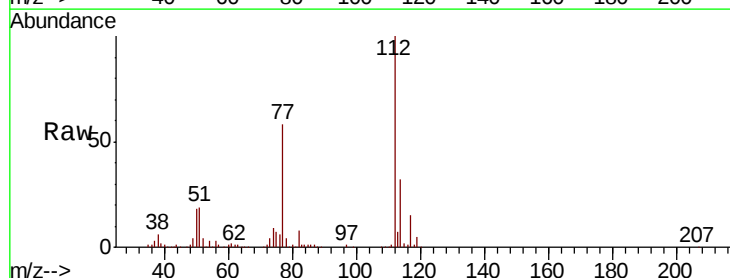
Acq: 3 Aug 2018 11:38

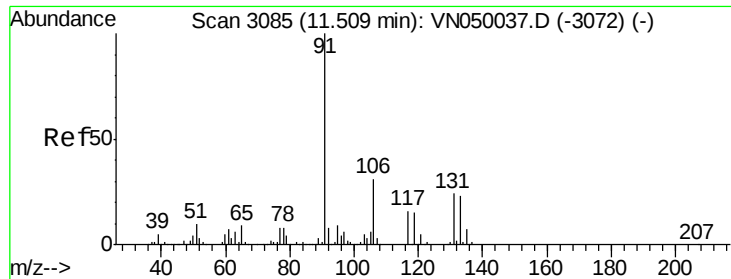
Tgt Ion: 112 Resp: 376021

Ion Ratio Lower Upper

112 100

114 31.8 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 18.65 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

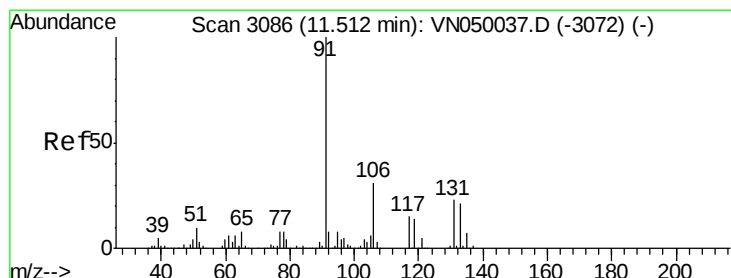
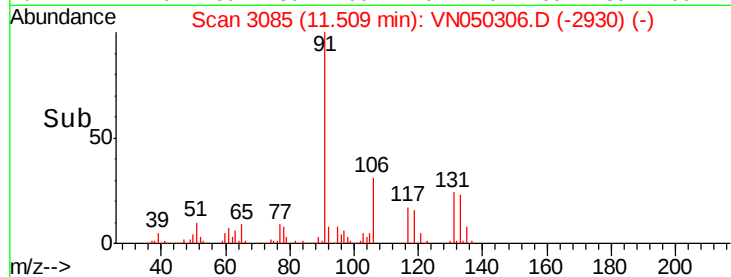
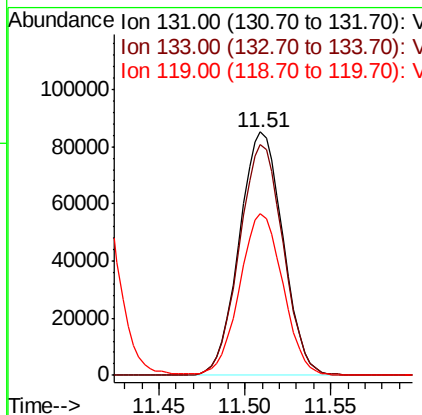
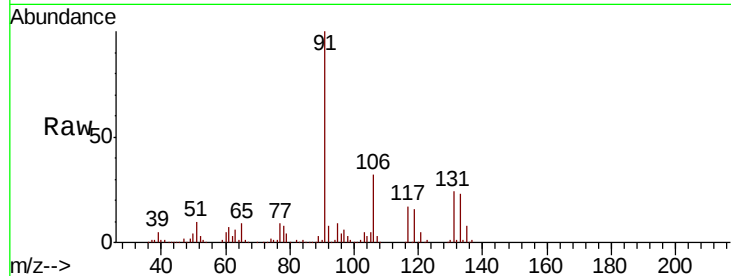
ClientSampleId :

VN0803WBS01

Tot Ion:	131	Resp:	150268
Ion Ratio	Lower	Upper	
131	100		
133	95.1	0.0	190.0
119	65.6	0.0	131.6

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#66

Ethyl Benzene

Concen: 17.82 ug/l

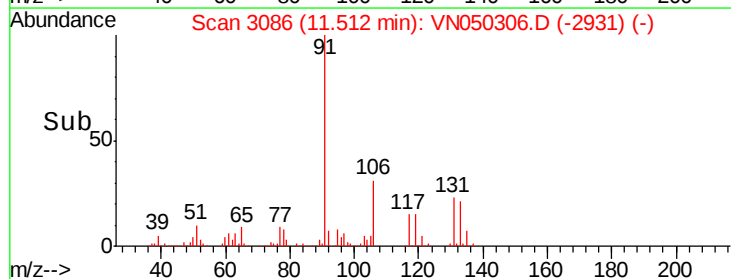
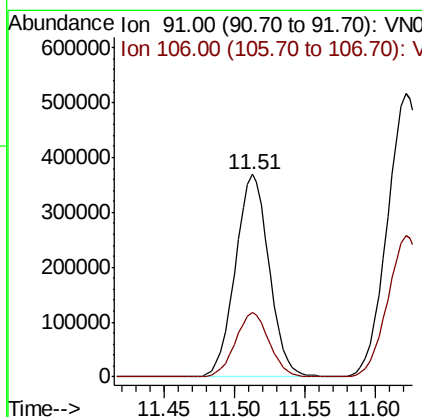
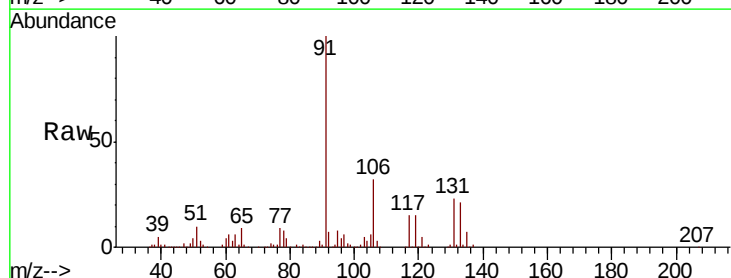
RT: 11.51 min Scan# 3086

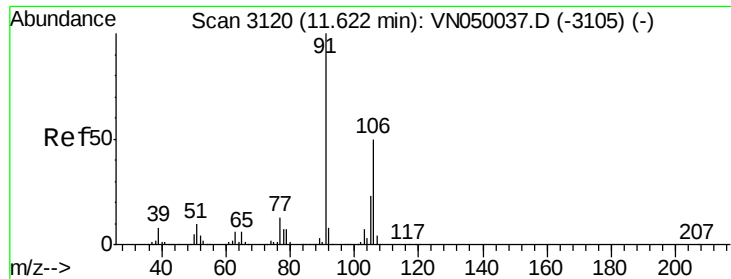
Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	91	Resp:	620427
Ion Ratio	Lower	Upper	
91	100		
106	31.6	25.1	37.7





#67

m/p-Xylenes

Concen: 36.58 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion:106 Resp: 490025

Ion Ratio Lower Upper

106 100

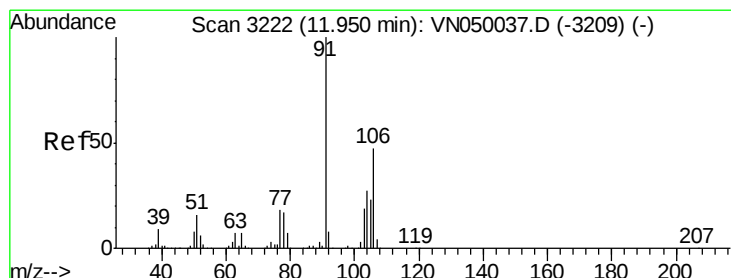
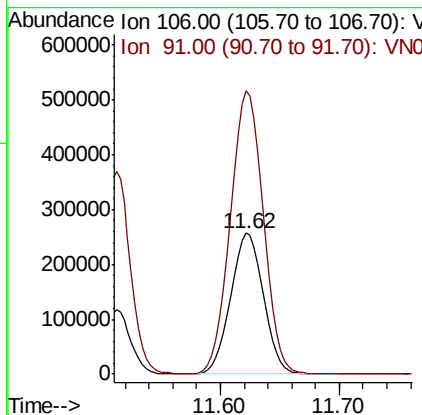
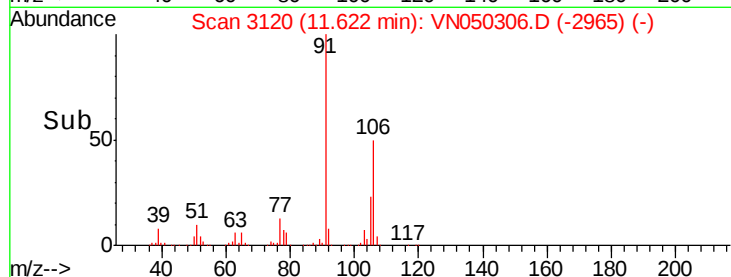
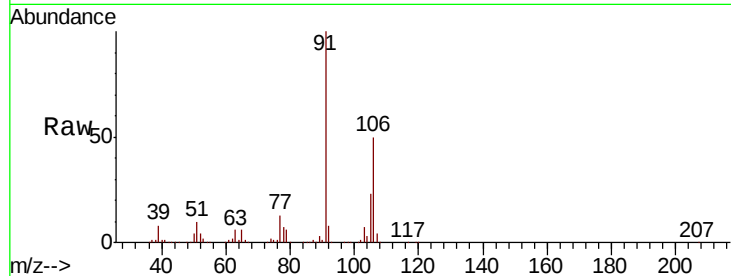
91 202.2 162.5 243.7

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#68

o-Xylene

Concen: 18.17 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050306.D

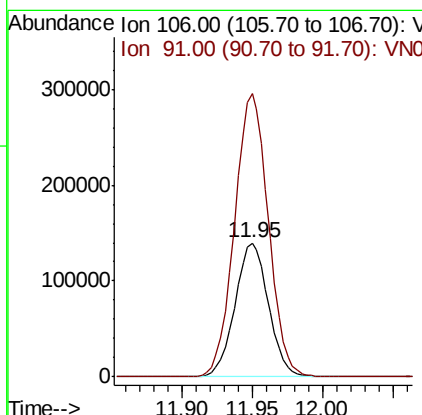
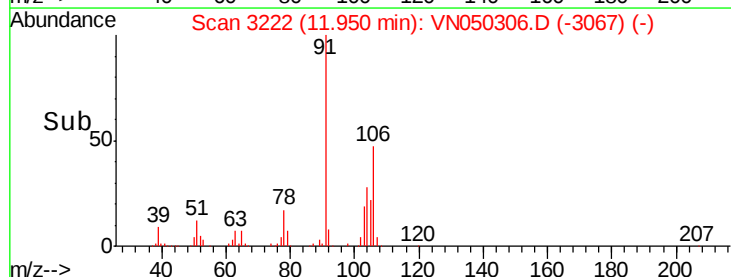
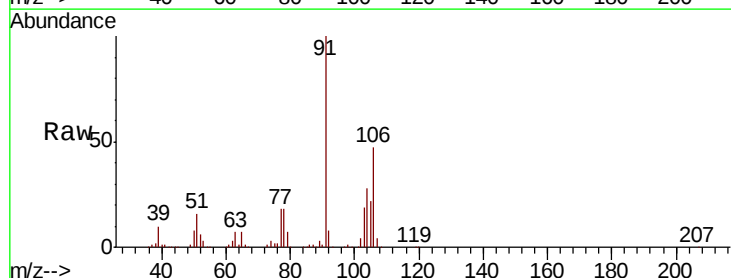
Acq: 3 Aug 2018 11:38

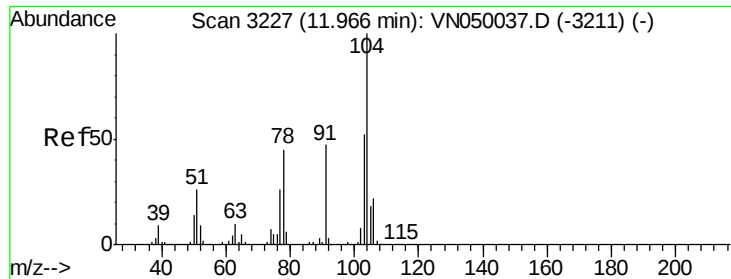
Tgt Ion:106 Resp: 231557

Ion Ratio Lower Upper

106 100

91 214.5 106.8 320.4





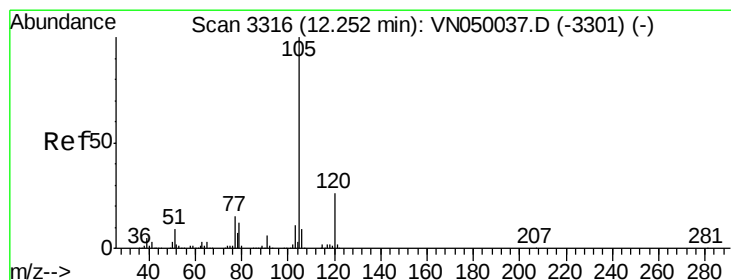
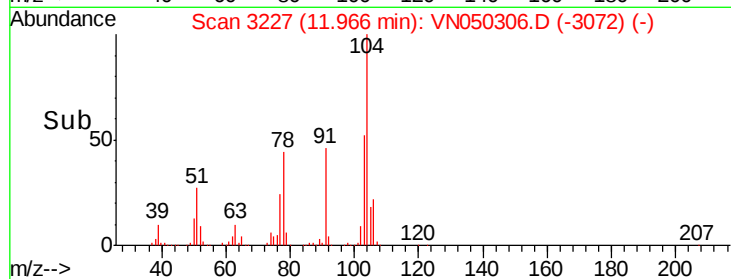
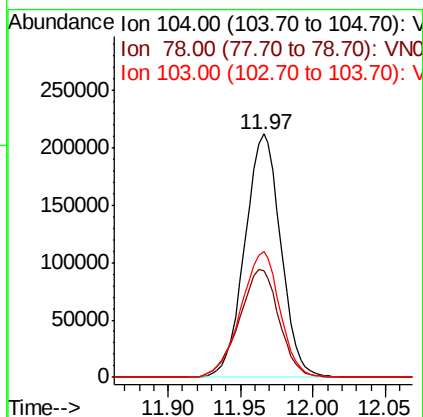
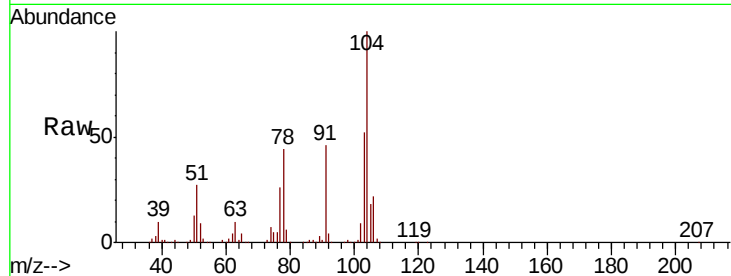
#69
Stvrene
Concen: 17.96 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	366918		
78	49.3		39.3	58.9
103	56.2		44.5	66.7

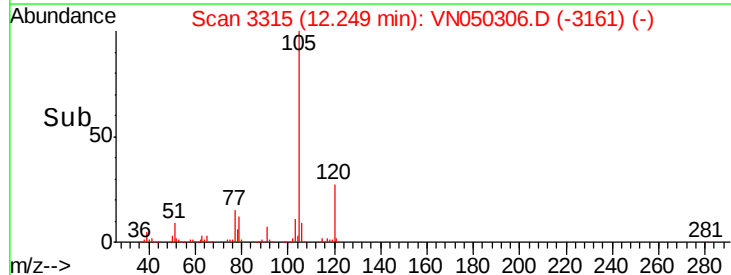
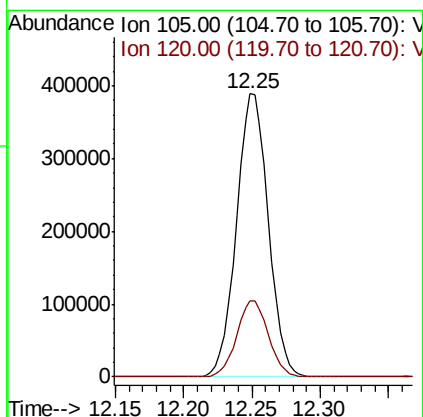
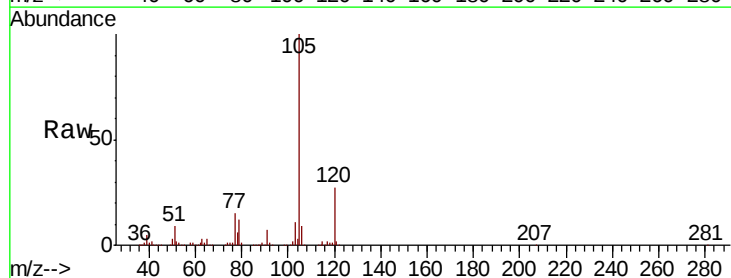
Manual Integrations
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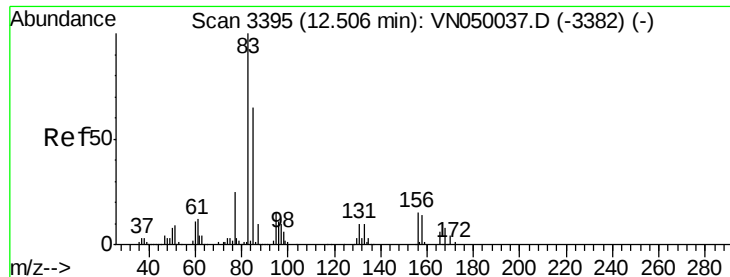
MMDadoda
8/6/2018 11:38:03 AM



#70
Isopropylbenzene
Concen: 18.52 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	628631		
120	26.6		18.9	35.1





#71

1,1,2,2-Tetrachloroethane

Concen: 19.34 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

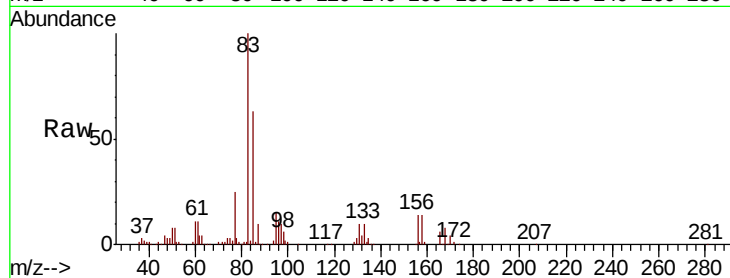
ClientSampled :

VN0803WBS01

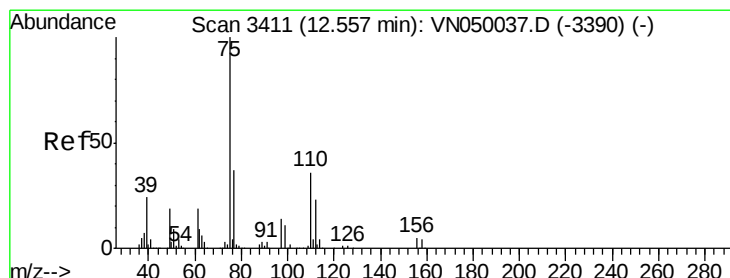
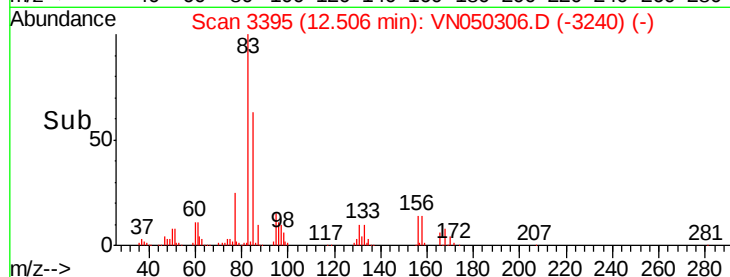
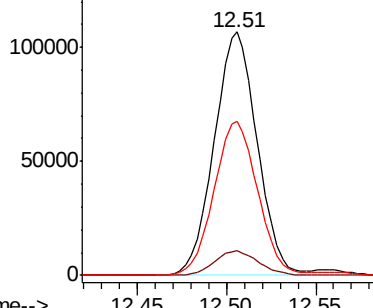
Tot Ion:	83	Resp:	180240
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.2	15.6
85	64.3	31.7	95.1

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8/6/2018 11:38:03 AM



Abundance Ion 83.00 (82.70 to 83.70): VN050037.D (-3382) (-)



#72

1,2,3-Trichloropropane

Concen: 18.39 ug/l m

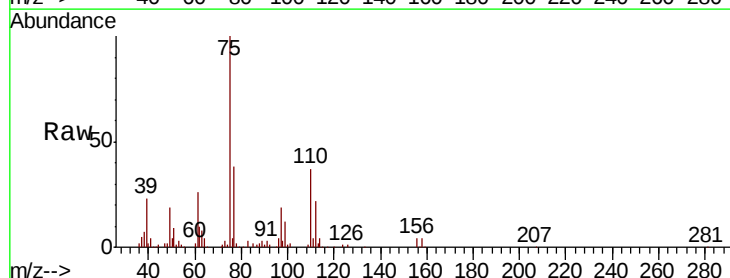
RT: 12.56 min Scan# 3411

Delta R.T. -0.00 min

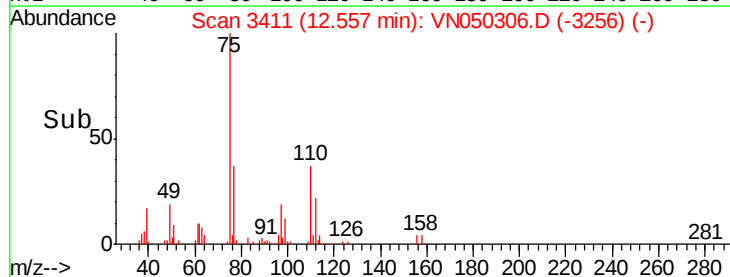
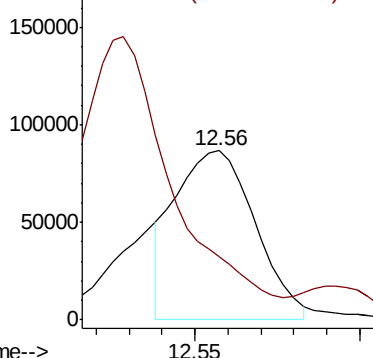
Lab File: VN050306.D

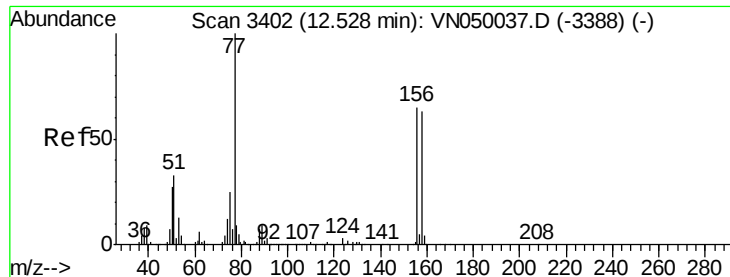
Acq: 3 Aug 2018 11:38

Tgt Ion:	75	Resp:	146395
Ion Ratio	Lower	Upper	
75	100		
77	202.4	0.0	454.4



Abundance Ion 75.00 (74.70 to 75.70): VN050037.D (-3390) (-)





#73

Bromobenzene

Concen: 17.73 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

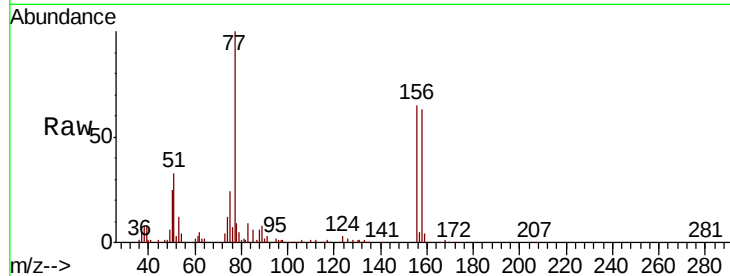
ClientSampled :

VN0803WBS01

Tot Ion:	156	Resp:	160376
Ion Ratio	Lower	Upper	
156	100		
77	184.8	0.0	359.8
158	98.8	0.0	192.8

Manual Integrations
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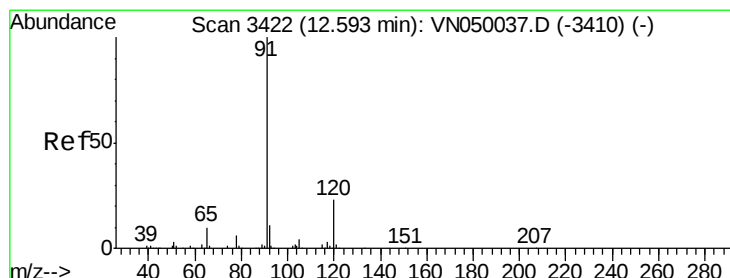
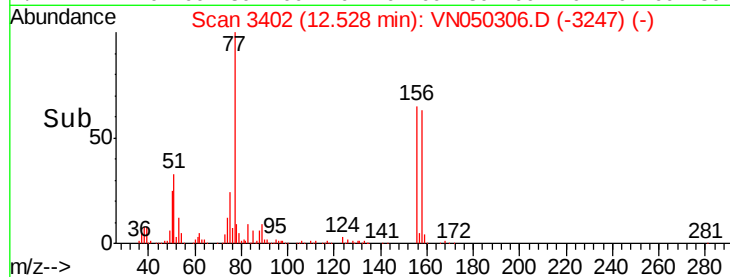
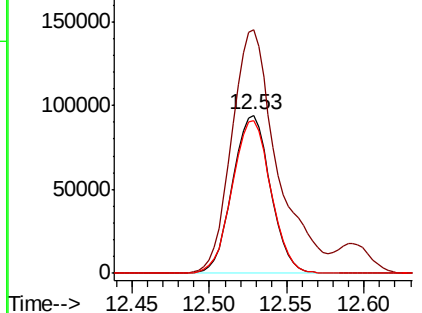
MMDadoda
8/6/2018 11:38:03 AM



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.03 ug/l

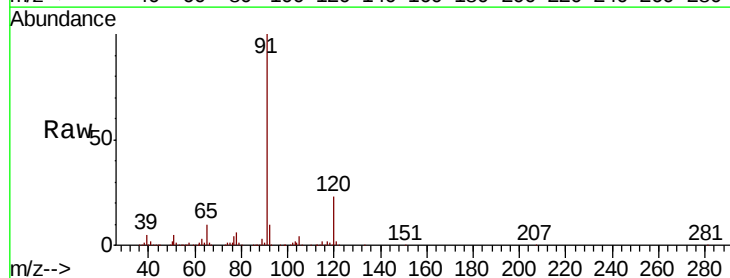
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050306.D

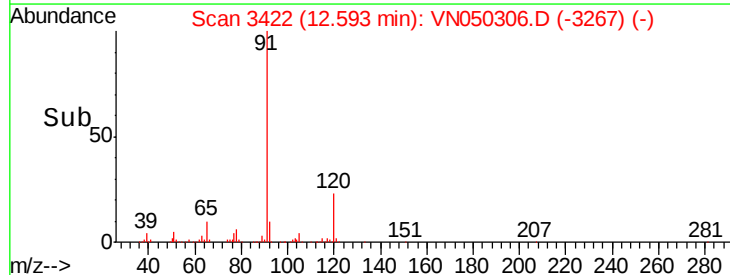
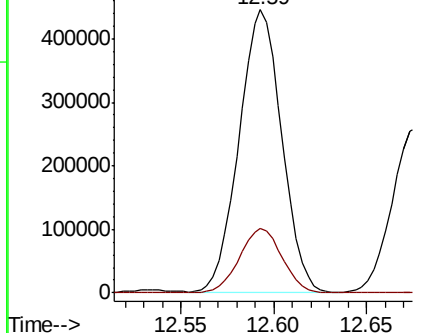
Acq: 3 Aug 2018 11:38

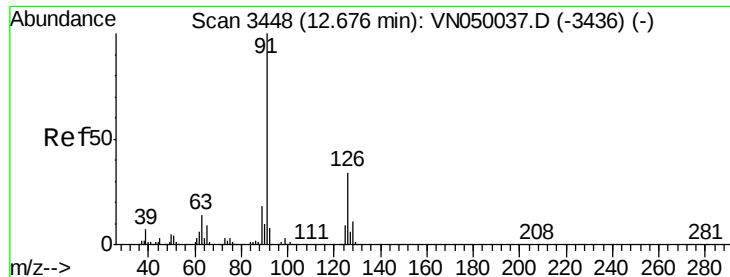
Tgt Ion:	91	Resp:	713008
Ion Ratio	Lower	Upper	
91	100		
120	22.8	0.0	46.4



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 18.32 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion: 91 Resp: 434944

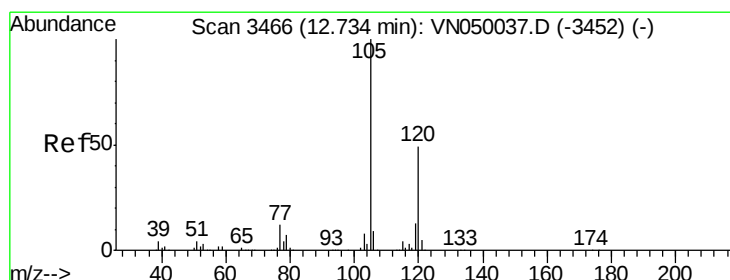
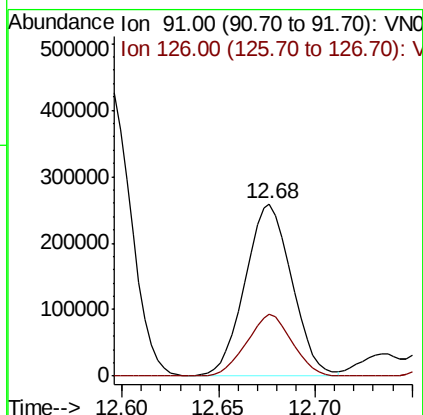
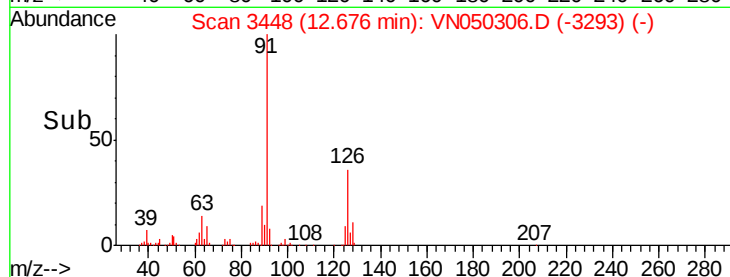
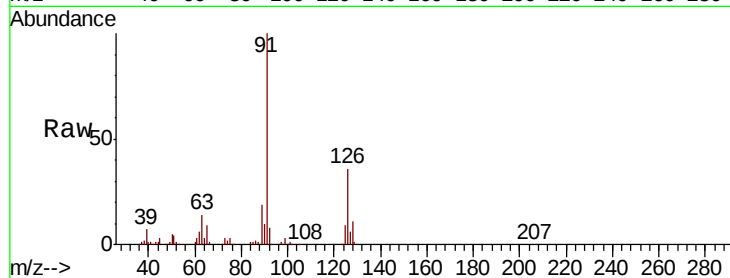
Ion Ratio Lower Upper

91 100

126 35.1 0.0 68.6

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#76

1,3,5-Trimethylbenzene

Concen: 18.53 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050306.D

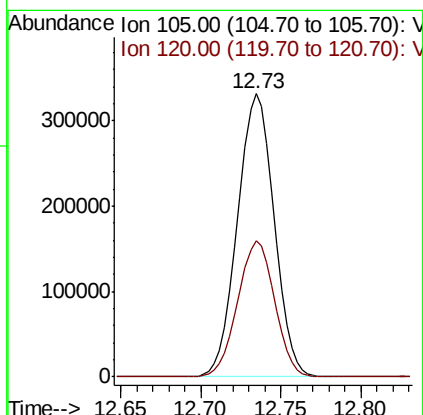
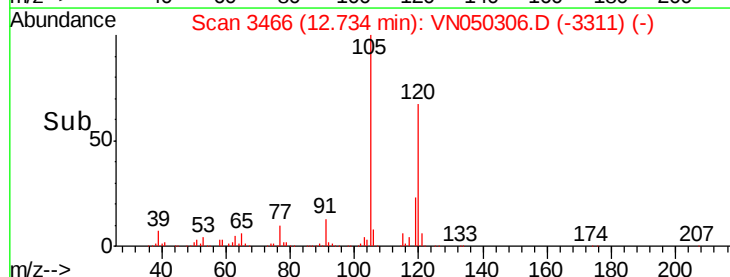
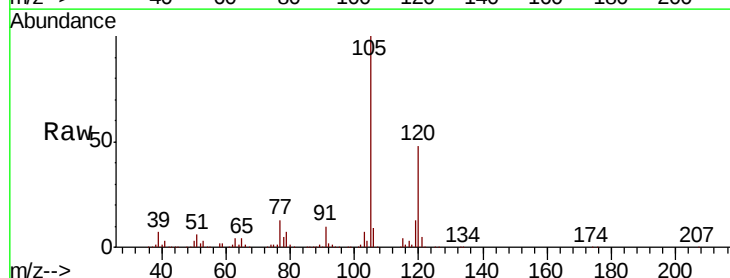
Acq: 3 Aug 2018 11:38

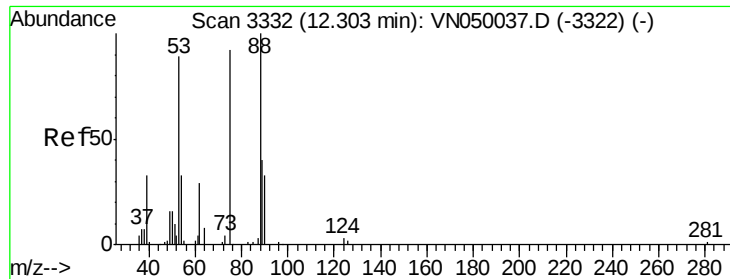
Tgt Ion: 105 Resp: 516605

Ion Ratio Lower Upper

105 100

120 48.7 0.0 98.0





#77

t-1,4-Dichloro-2-butene

Concen: 15.49 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

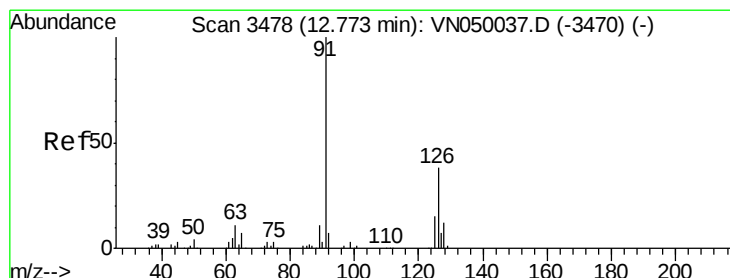
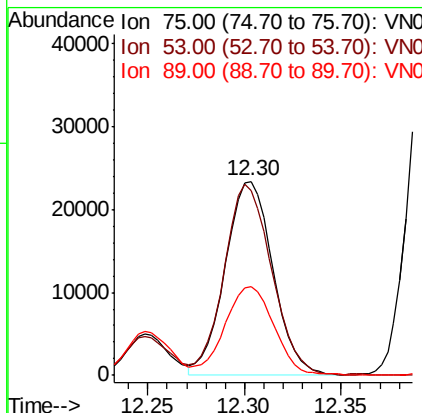
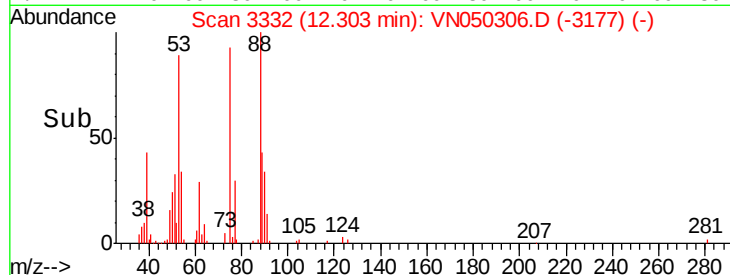
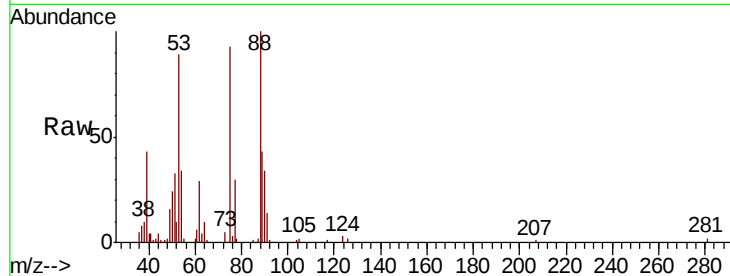
ClientSampleId :

VN0803WBS01

Tot Ion:	75	Resp:	40318
Ion	Ratio	Lower	Upper
75	100		
53	95.4	44.6	134.0
89	44.9	20.7	62.1

Manual Integrations
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#78

4-Chlorotoluene

Concen: 17.98 ug/l

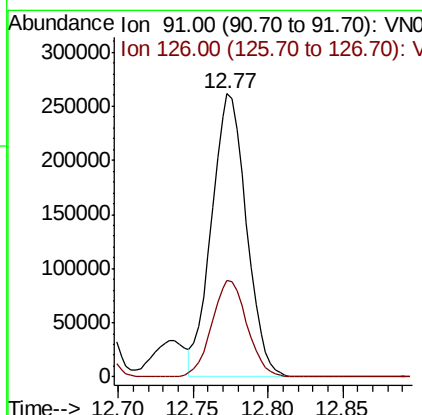
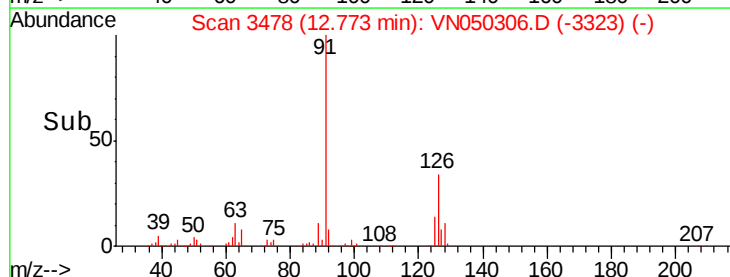
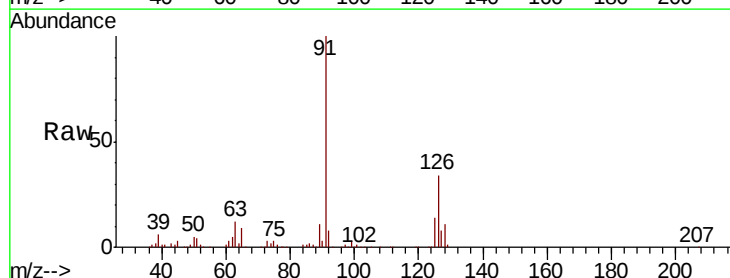
RT: 12.77 min Scan# 3478

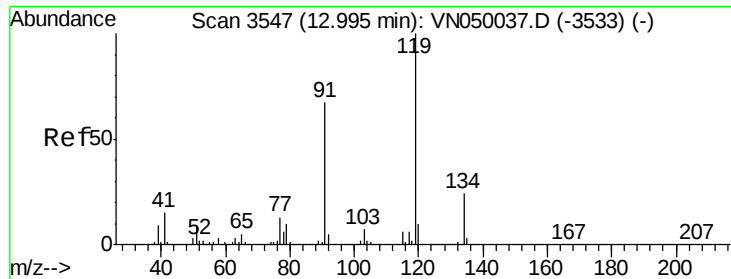
Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	91	Resp:	423168
Ion	Ratio	Lower	Upper
91	100		
126	34.4	0.0	68.4





#79

tert-butylbenzene

Concen: 18.61 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

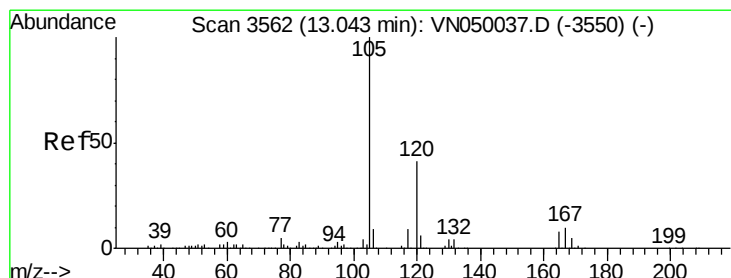
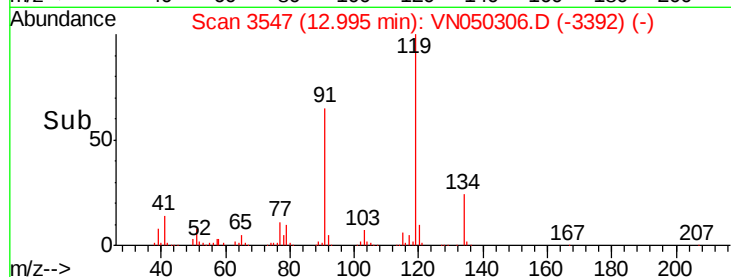
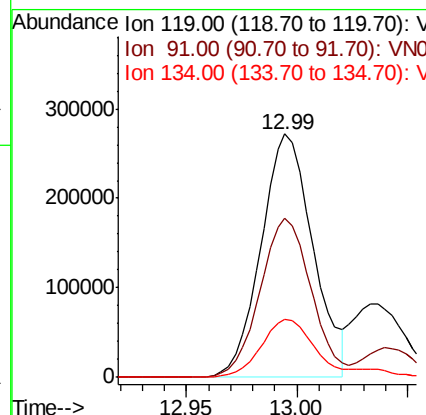
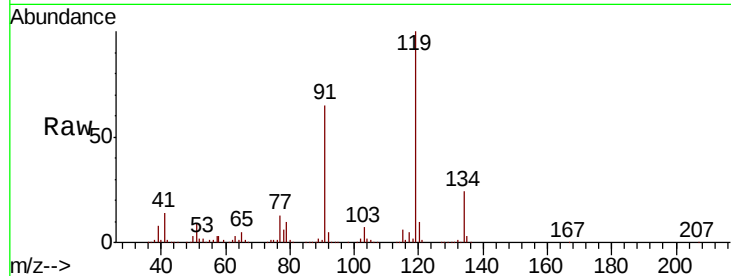
ClientSampled :

VN0803WBS01

Tot Ion:	119	Resp:	443617
Ion Ratio	Lower	Upper	
119	100		
91	64.4	0.0	126.8
134	24.1	0.0	47.4

Manual Integrations
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#80

1,2,4-Trimethylbenzene

Concen: 18.37 ug/l

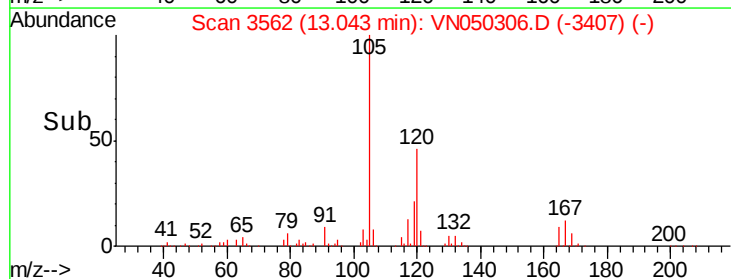
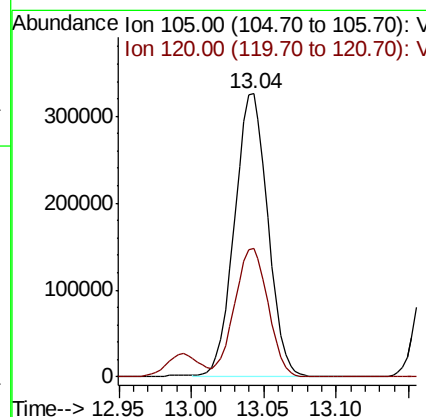
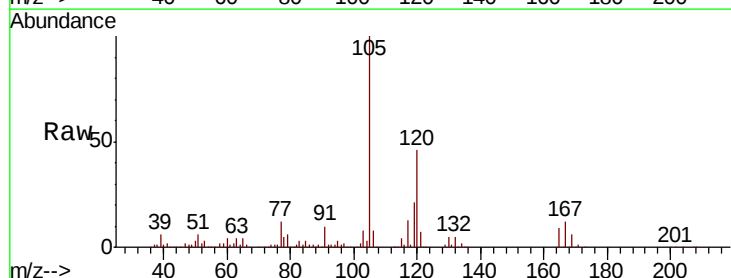
RT: 13.04 min Scan# 3562

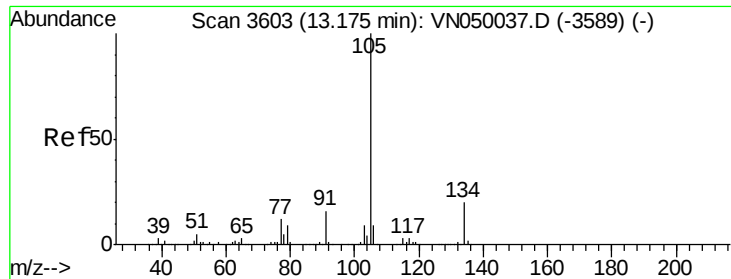
Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Tgt Ion:	105	Resp:	519068
Ion Ratio	Lower	Upper	
105	100		
120	45.7	0.0	90.6





#81

sec-Butylbenzene

Concen: 18.28 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS01

Tot Ion:105 Resp: 592001

Ion Ratio Lower Upper

105 100

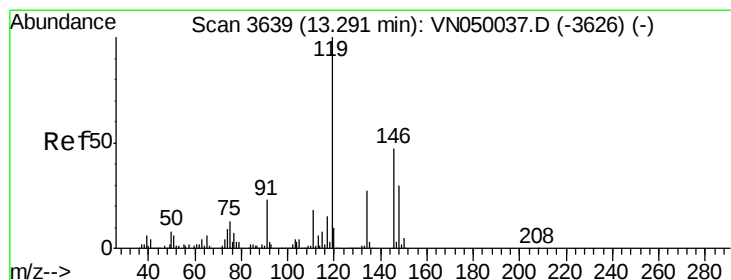
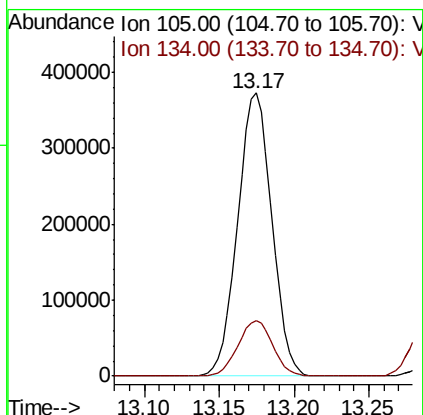
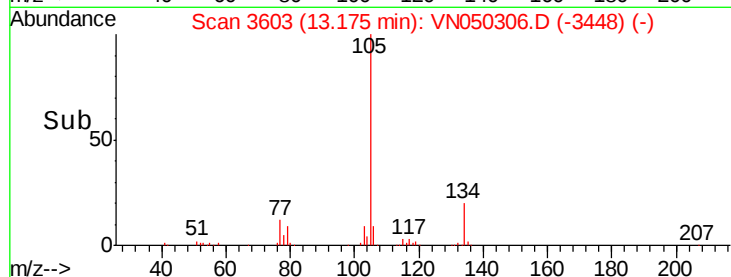
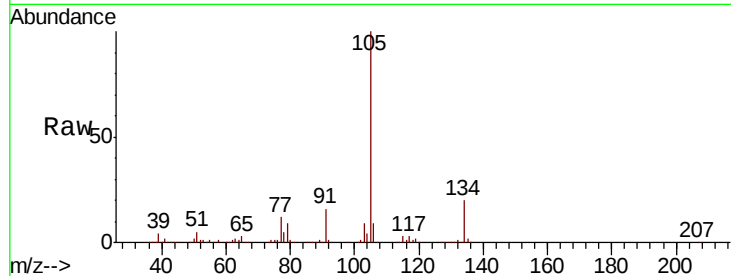
134 19.9 0.0 40.6

Manual Integrations

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#82

p-Isopropyltoluene

Concen: 18.09 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. -0.00 min

Lab File: VN050306.D

Acq: 3 Aug 2018 11:38

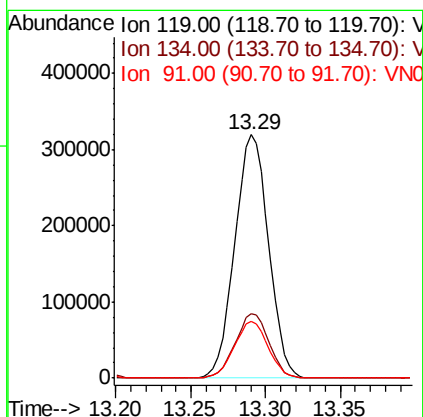
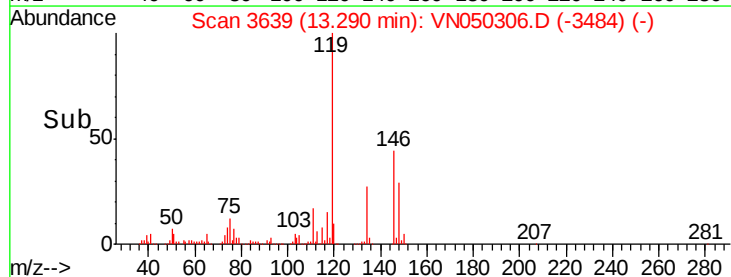
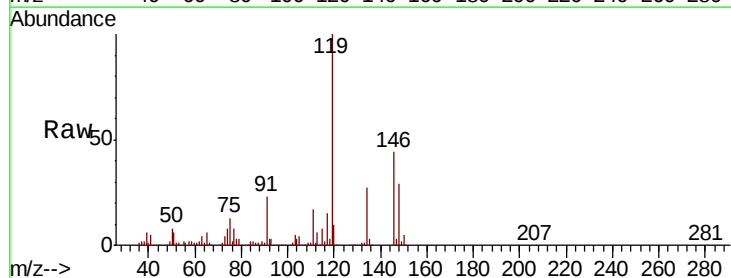
Tgt Ion:119 Resp: 499947

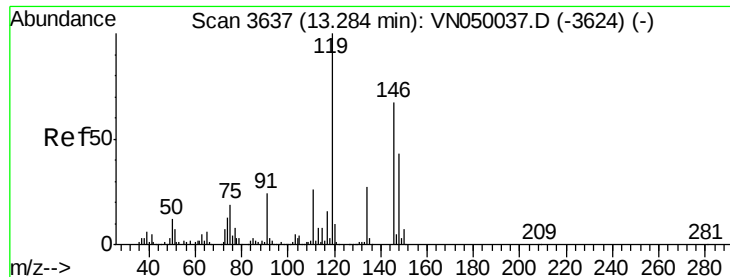
Ion Ratio Lower Upper

119 100

134 26.4 0.0 52.2

91 23.3 0.0 45.6





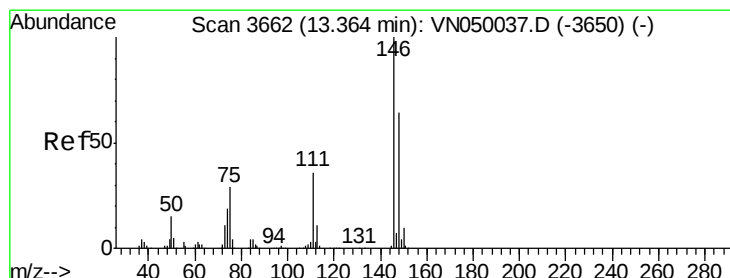
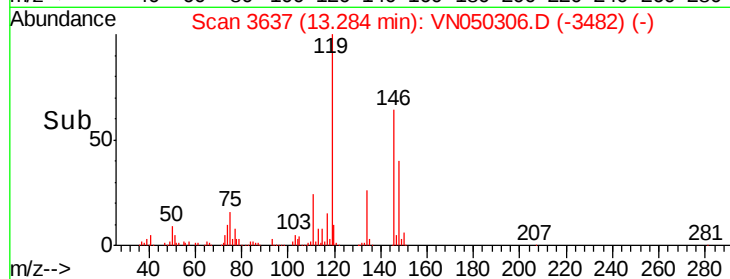
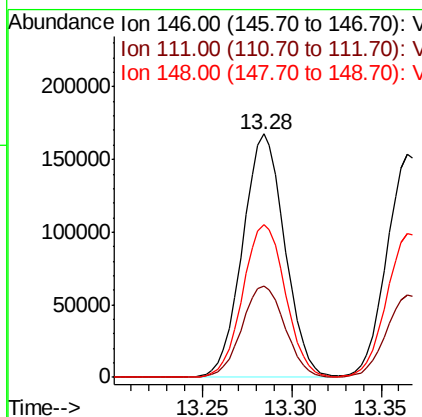
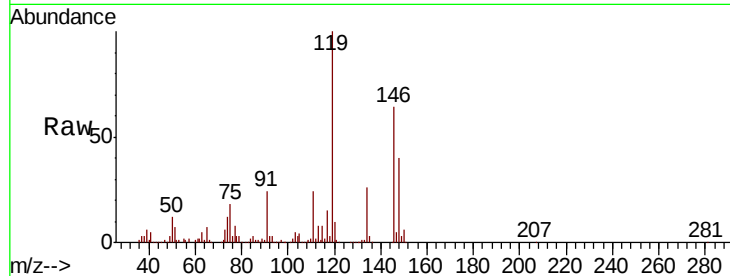
#83
1,3-Dichlorobenzene
Concen: 17.58 ug/l
RT: 13.28 min Scan# 3637
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	276808		
111	38.1	19.1	57.1	
148	63.6	31.9	95.9	

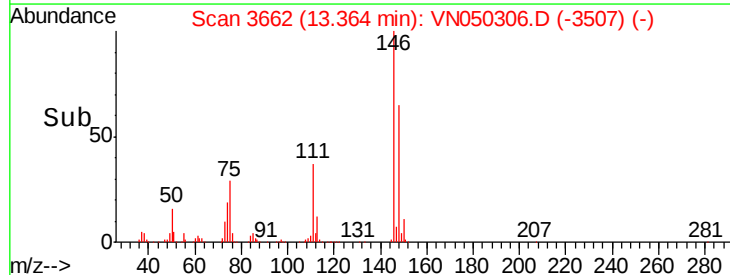
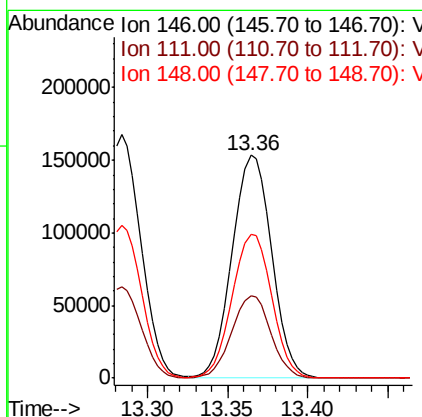
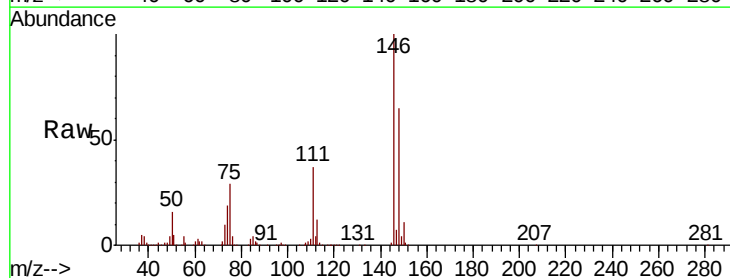
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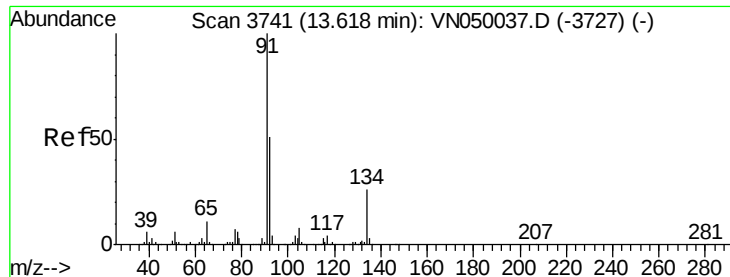
MMDadoda
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#84
1,4-Dichlorobenzene
Concen: 17.41 ug/l
RT: 13.36 min Scan# 3662
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	259081		
111	36.4	17.9	53.8	
148	64.7	32.4	97.0	





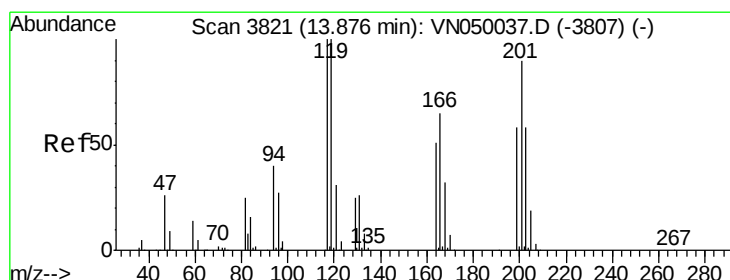
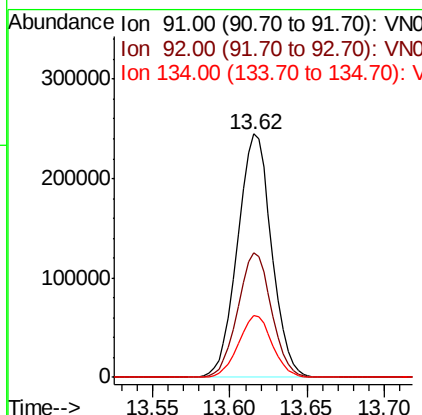
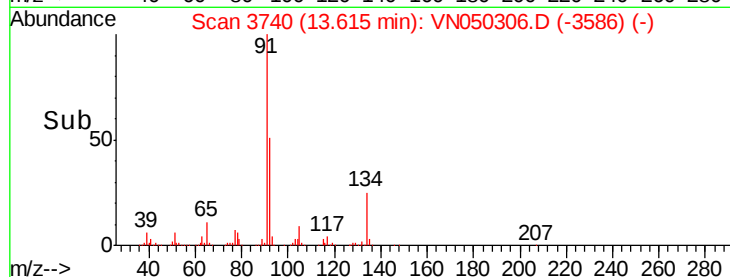
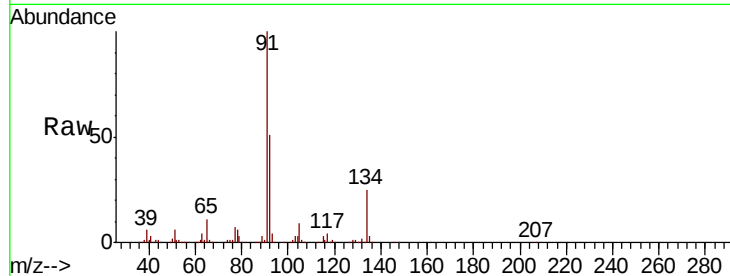
#85
n-Butylbenzene
Concen: 16.73 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.5	0.0	102.8
134	25.2	0.0	51.0

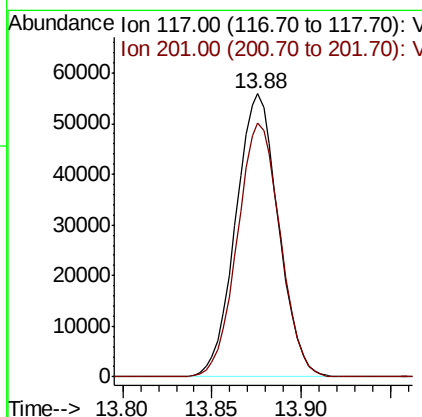
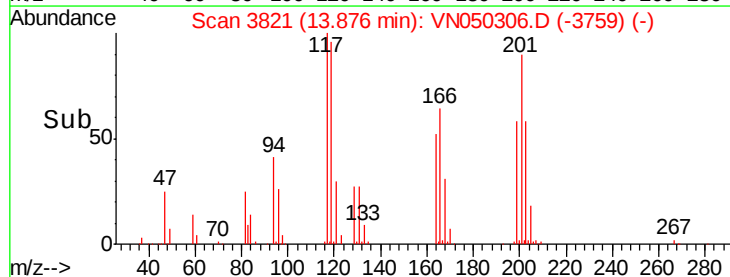
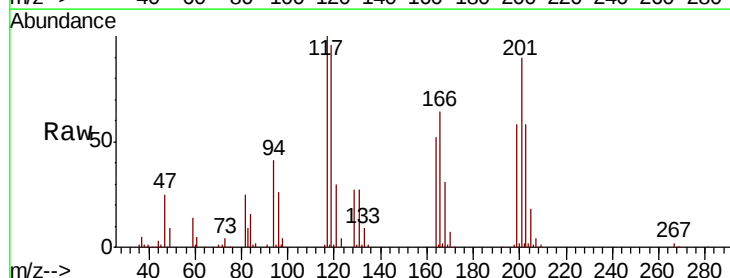
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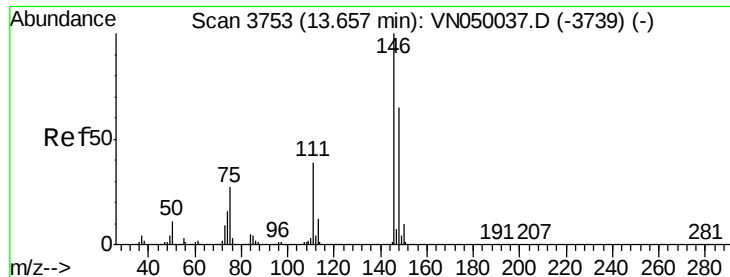
MMDadoda
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#86
Hexachloroethane
Concen: 16.93 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.1	46.6	139.7





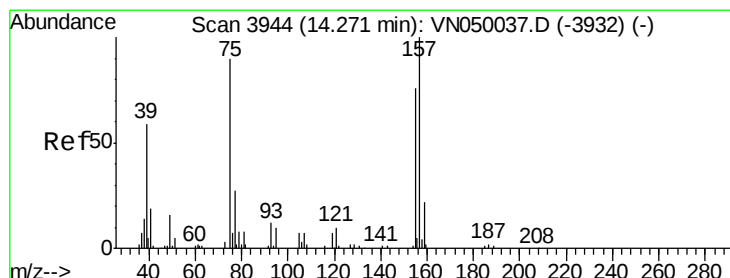
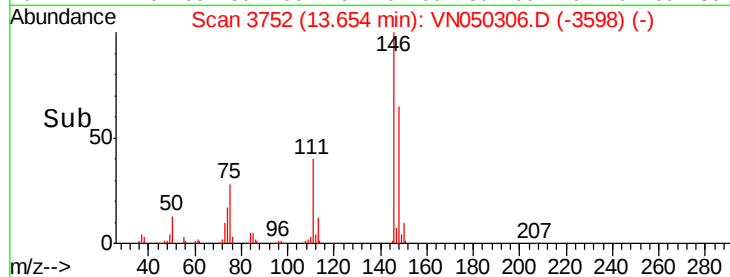
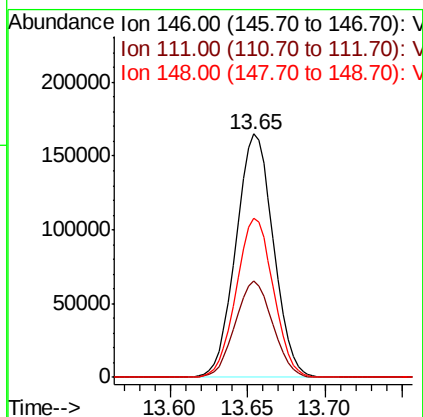
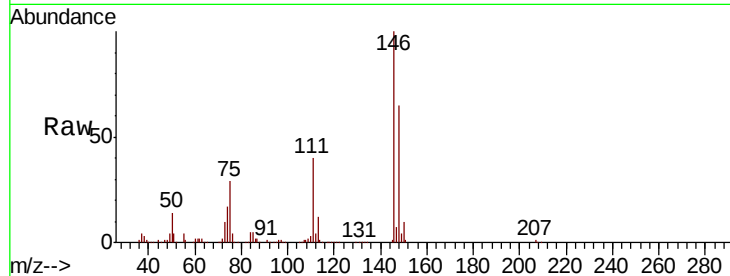
#87
 1,2-Dichlorobenzene
 Concen: 18.05 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.3
148	64.8	31.8	95.3

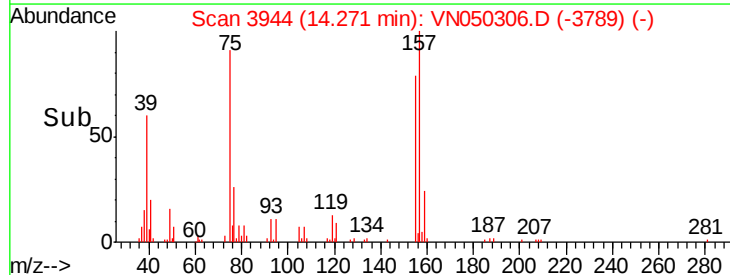
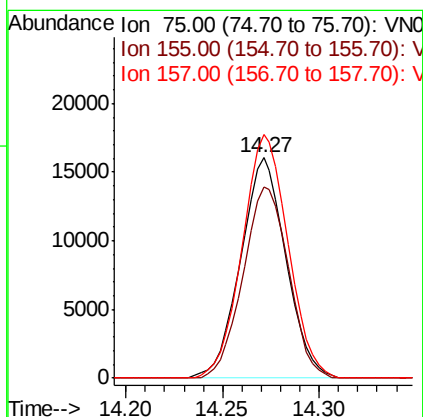
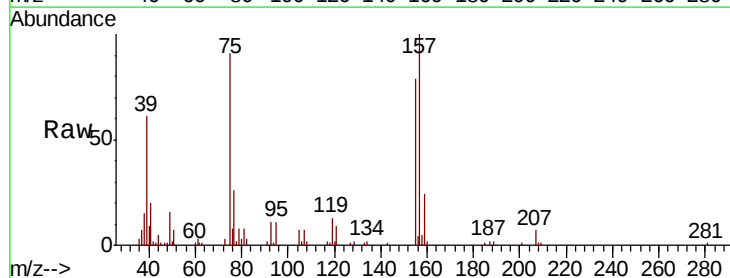
Manual Integrations
 APPROVED

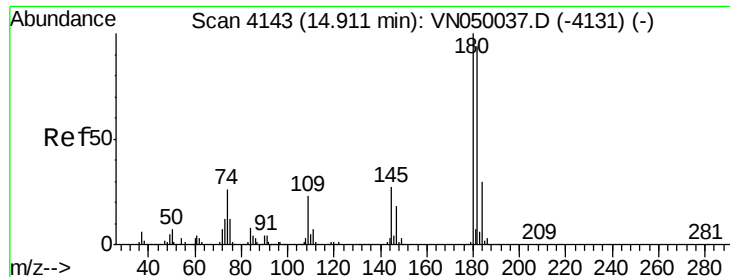
MMDadoda
 8/6/2018 11:38:03 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.03 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.1	73.0	109.6
157	111.9	94.9	142.3





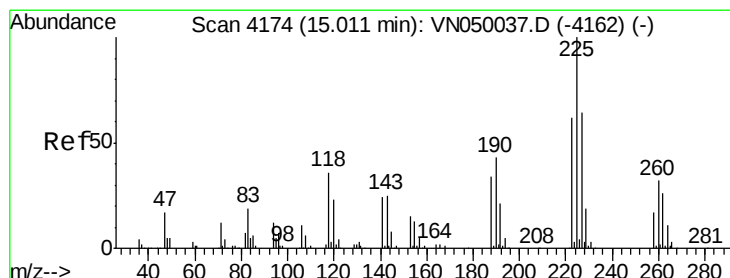
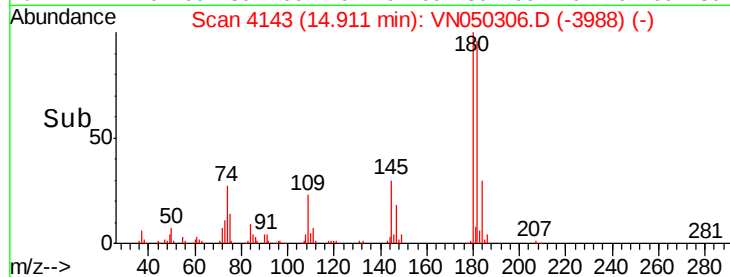
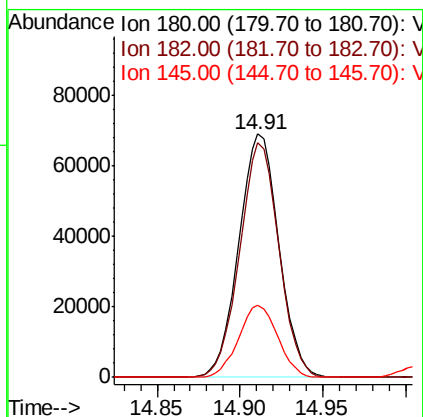
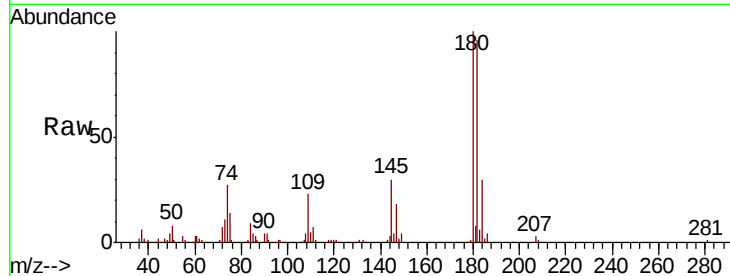
#89
 1,2,4-Trichlorobenzene
 Concen: 15.73 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.2	76.7	115.1	
145	29.0	23.4	35.0	

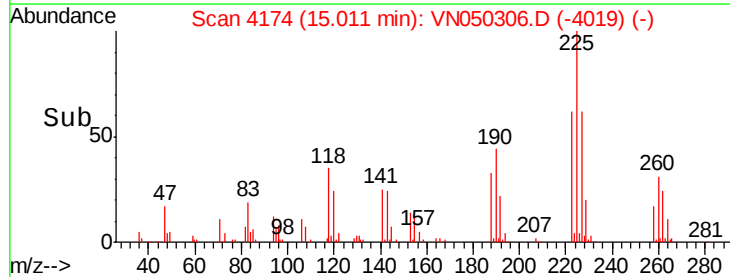
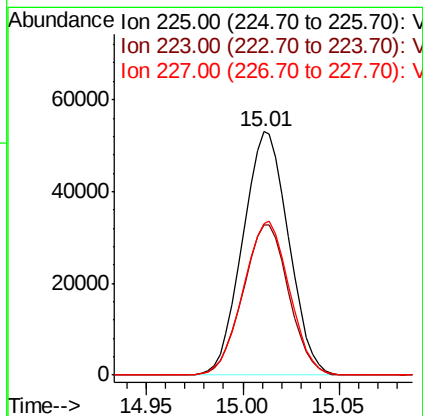
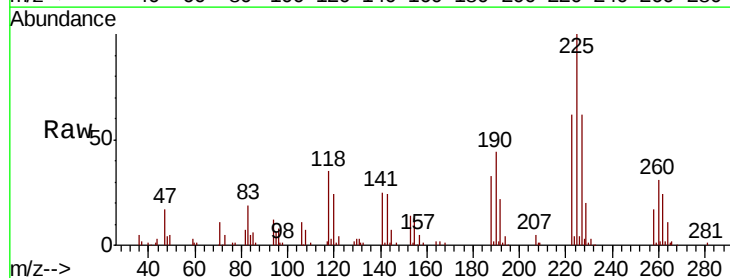
Manual Integrations
 APPROVED

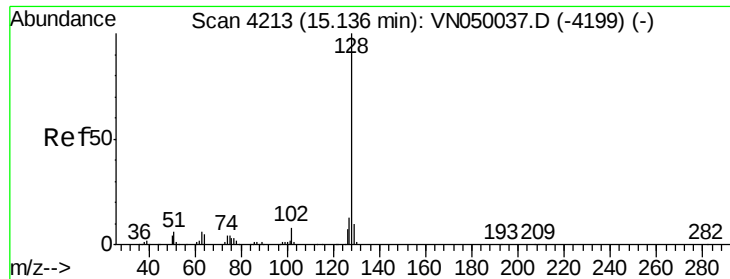
MMDadoda
 8/6/2018 11:38:03 AM



#90
 Hexachlorobutadiene
 Concen: 18.10 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050306.D
 Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	0.0	124.4	
227	63.4	0.0	133.0	





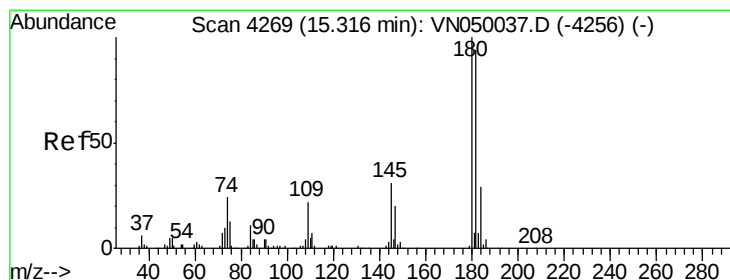
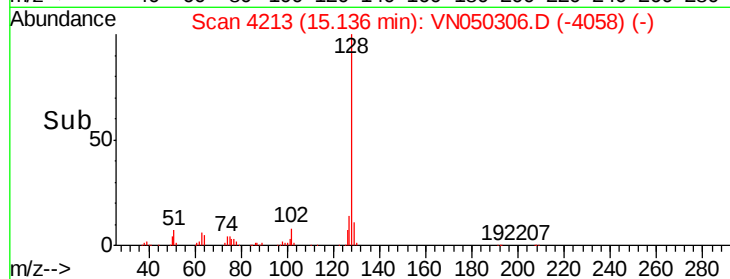
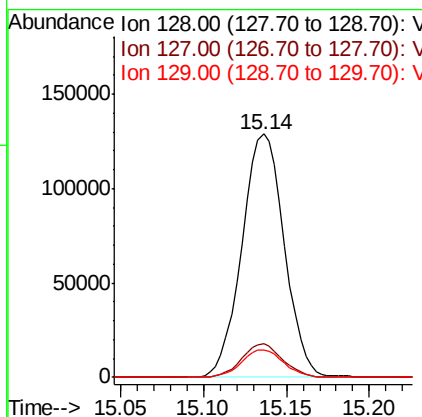
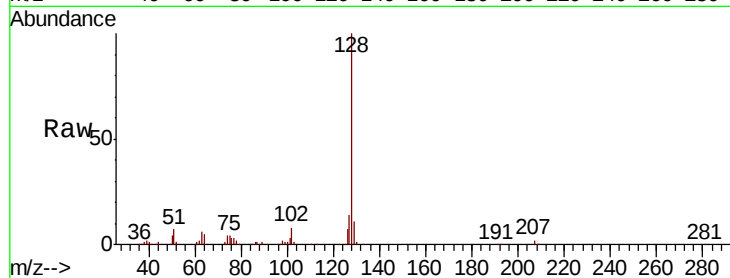
#91
Naphthalene
Concen: 17.57 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.4	10.2	15.4	
129	11.2	9.0	13.4	

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:38:03 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.51 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050306.D
Acq: 3 Aug 2018 11:38

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	0.0	188.8	
145	30.3	0.0	60.8	

