

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051067.D
 Acq On : 10 Sep 2018 9:23
 Operator : MD\SY
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 9/11/2018 9:40:20 AM

Quant Time: Sep 11 02:11:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 01:47:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	734365	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1046889	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	946210	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	483079	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	403558	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
35) Dibromofluoromethane	7.59	113	392665	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
50) Toluene-d8	10.09	98	1505588	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	12.40	95	498061	50.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	333053	47.03	ug/l	100
3) Chloromethane	2.06	50	452538	44.89	ug/l	100
4) Vinyl Chloride	2.18	62	461540	47.48	ug/l	100
5) Bromomethane	2.56	94	270027	41.45	ug/l	100
6) Chloroethane	2.70	64	279510	46.59	ug/l	100
7) Trichlorofluoromethane	3.01	101	611276	47.46	ug/l	100
8) Diethyl Ether	3.41	74	232614	49.10	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	392833	47.31	ug/l	100
10) Methyl Iodide	3.95	142	355626	50.13	ug/l	100
11) Tert butyl alcohol	4.79	59	138871	222.47	ug/l	100
12) 1,1-Dichloroethene	3.73	96	375149	47.89	ug/l	100
13) Acrolein	3.61	56	175797	246.88	ug/l	100
14) Allyl chloride	4.32	41	591551	49.57	ug/l	100
15) Acrylonitrile	4.99	53	676087	244.43	ug/l	100
16) Acetone	3.82	43	491496	216.47	ug/l	100
17) Carbon Disulfide	4.05	76	1133412	43.97	ug/l	100
18) Methyl Acetate	4.33	43	295896	45.21	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	1040801	55.32	ug/l	100
20) Methylene Chloride	4.55	84	422912	46.85	ug/l	100
21) trans-1,2-Dichloroethene	5.04	96	403526	47.49	ug/l	100
22) Diisopropyl ether	5.95	45	1214076	51.25	ug/l	100
23) Vinyl Acetate	5.90	43	4128095	257.49	ug/l	100
24) 1,1-Dichloroethane	5.85	63	732643	48.75	ug/l	100
25) 2-Butanone	6.84	43	759462	236.36	ug/l	100
26) 2,2-Dichloropropane	6.82	77	592474	48.16	ug/l	100
27) cis-1,2-Dichloroethene	6.83	96	453776	48.68	ug/l	100
28) Bromochloromethane	7.20	49	333552	49.86	ug/l	100
29) Tetrahydrofuran	7.21	42	494969	246.68	ug/l	100
30) Chloroform	7.37	83	729123	48.76	ug/l	100
31) Cyclohexane	7.65	56	666158	43.82	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	621100	48.75	ug/l	100
36) 1,1-Dichloropropene	7.79	75	569194	49.52	ug/l	100
37) Ethyl Acetate	6.93	43	333568	50.11	ug/l	100
38) Carbon Tetrachloride	7.77	117	553517	48.93	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	649385	51.21	ug/l	100
40) Benzene	8.04	78	1717864	49.60	ug/l	100
41) Methacrylonitrile	7.18	41	163334	47.56	ug/l	100
42) 1,2-Dichloroethane	8.12	62	493471	48.88	ug/l	100
43) Isopropyl Acetate	8.16	43	586451	49.93	ug/l	100
44) Trichloroethene	8.83	130	459965	48.55	ug/l	100
45) 1,2-Dichloropropane	9.12	63	443219	49.52	ug/l	100
46) Dibromomethane	9.21	93	261431	47.88	ug/l	100
47) Bromodichloromethane	9.40	83	555079	49.99	ug/l	100
48) Methyl methacrylate	9.20	41	291485	50.92	ug/l	100
49) 1,4-Dioxane	9.20	88	87167	971.12	ug/l	100
51) 4-Methyl-2-Pentanone	9.99	43	1624269	250.06	ug/l	100
52) Toluene	10.16	92	1072189	50.77	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	570183	51.31	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	663591	50.93	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	380140	49.55	ug/l	100
56) Ethyl methacrylate	10.43	69	485252	52.85	ug/l	100
57) 1,3-Dichloropropane	10.71	76	636323	50.03	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	1020252	271.87	ug/l	100
59) 2-Hexanone	10.75	43	1089702	247.37	ug/l	100
60) Dibromochloromethane	10.90	129	432626	50.03	ug/l	100
61) 1,2-Dibromoethane	11.01	107	374263	49.91	ug/l	100
64) Tetrachloroethene	10.63	164	413306	47.87	ug/l	100
65) Chlorobenzene	11.43	112	1169598	49.04	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	426635	49.68	ug/l	100
67) Ethyl Benzene	11.51	91	1990825	51.54	ug/l	100
68) m/p-Xylenes	11.62	106	1563409	105.35	ug/l	100
69) o-Xylene	11.95	106	751468	52.29	ug/l	100
70) Styrene	11.96	104	1210922	54.32	ug/l	100
71) Bromoform	12.13	173	305696	50.56	ug/l #	100
73) Isopropylbenzene	12.25	105	1972079	48.68	ug/l	100
74) N-amyl acetate	12.07	43	494453	48.50	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	467582	43.35	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	362866m	45.17	ug/l	
77) Bromobenzene	12.53	156	504544	46.37	ug/l	100
78) n-propylbenzene	12.59	91	2206498	49.55	ug/l	100
79) 2-Chlorotoluene	12.67	91	1322260	47.51	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	1626669	49.66	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	125225	49.23	ug/l	100
82) 4-Chlorotoluene	12.77	91	1327161	48.04	ug/l	100
83) tert-Butylbenzene	12.99	119	1405864	48.62	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	1639800	50.92	ug/l	100
85) sec-Butylbenzene	13.17	105	1828079	49.30	ug/l	100
86) p-Isopropyltoluene	13.29	119	1624807	51.67	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	871667	47.22	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	849810	46.71	ug/l	100
89) n-Butylbenzene	13.61	91	1275082	52.10	ug/l	100
90) Hexachloroethane	13.87	117	284981	44.34	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	850035	47.25	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	66580	42.29	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	402272	51.94	ug/l	100
94) Hexachlorobutadiene	15.01	225	273549	43.16	ug/l	100
95) Naphthalene	15.13	128	788855	48.06	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	393265	49.00	ug/l	100

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

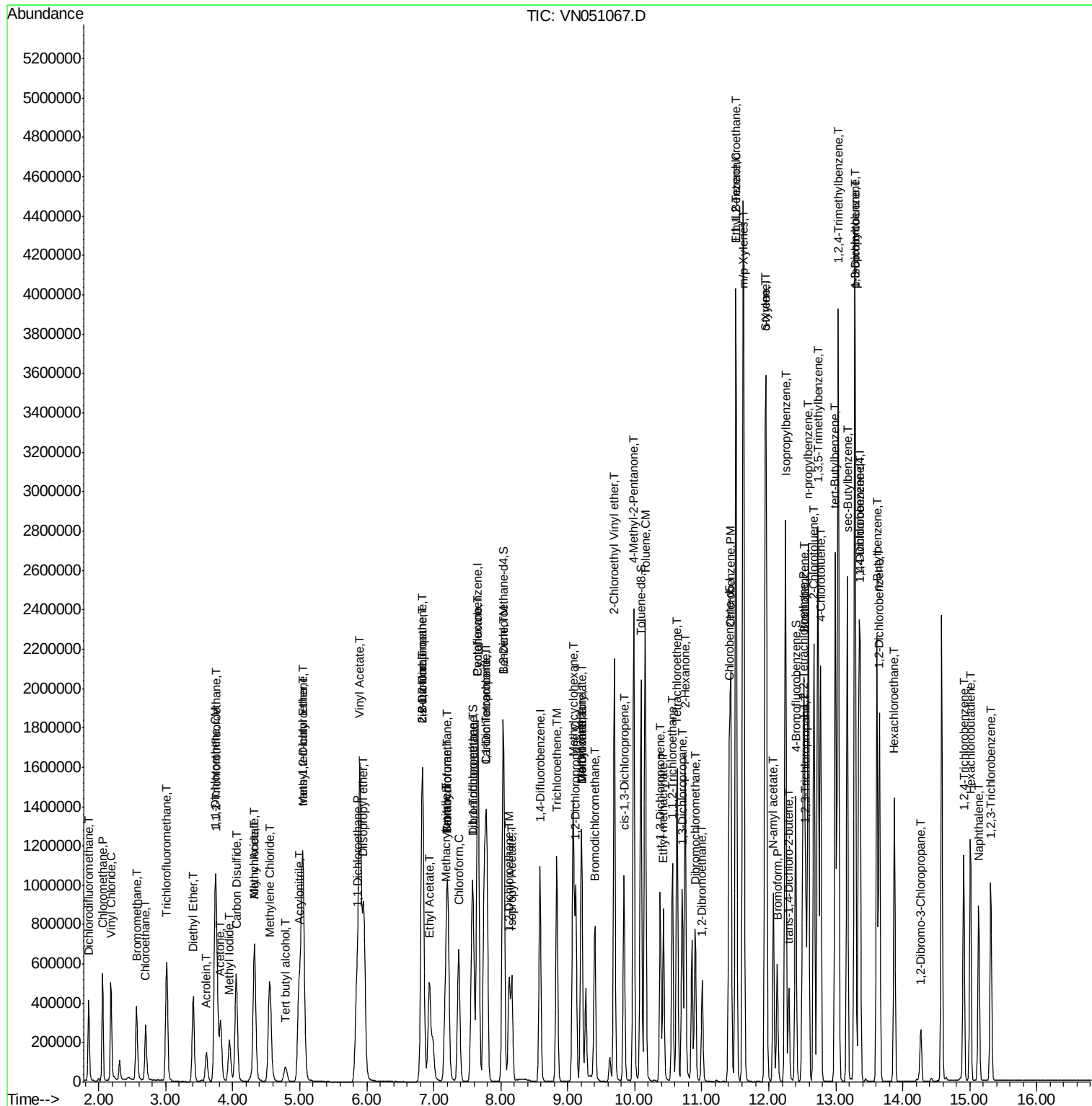
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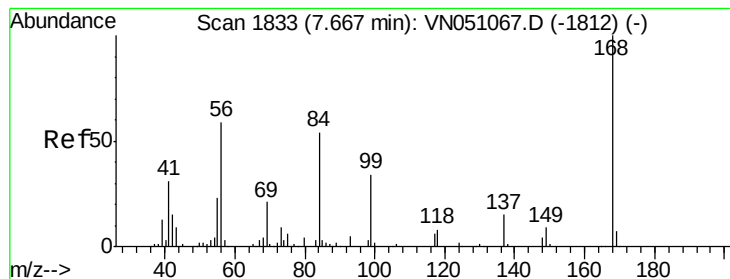
Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:168 Resp: 734365

Ion Ratio Lower Upper

168 100

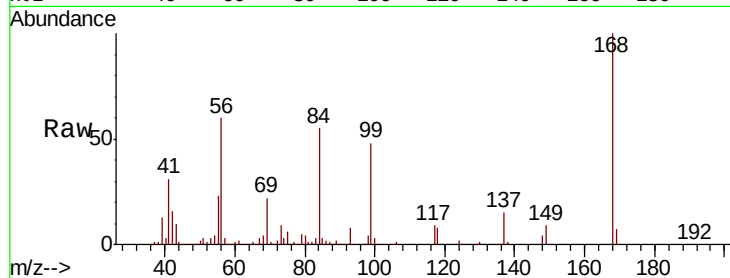
99 47.9 38.3 57.5

Manual Integrations

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9/11/2018 9:40:20 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

300000

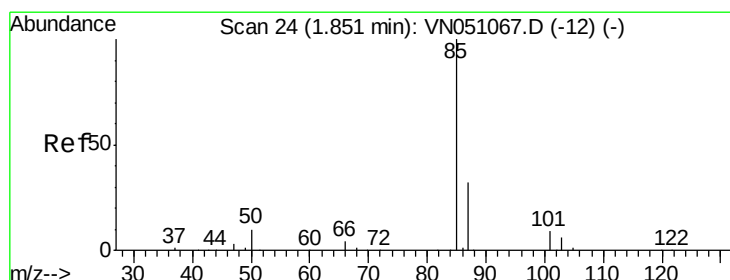
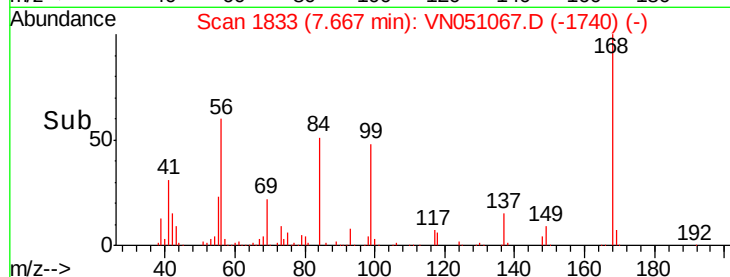
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 47.03 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051067.D

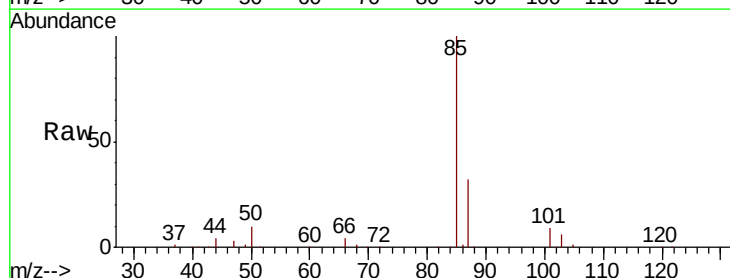
Acq: 10 Sep 2018 9:23

Tgt Ion: 85 Resp: 333053

Ion Ratio Lower Upper

85 100

87 31.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

250000

200000

150000

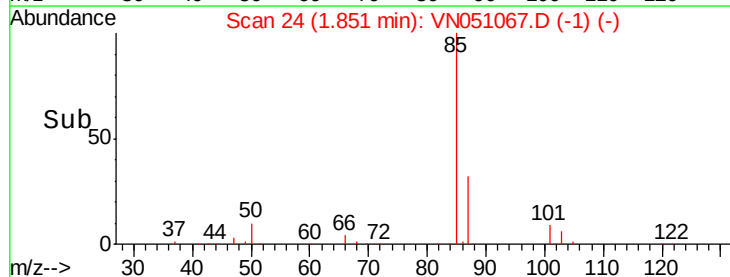
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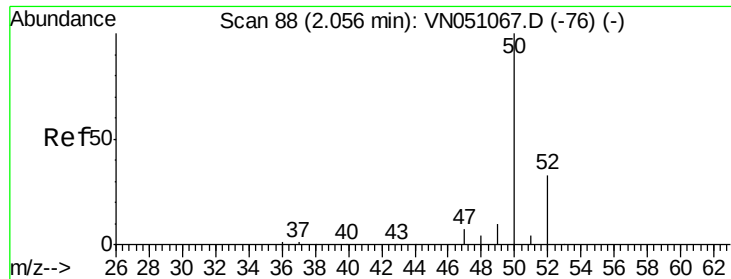
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 44.89 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Tot Ion: 50 Resp: 452538

Ion Ratio Lower Upper

50 100

52 32.5 26.0 39.0

Instrument :

MSVOA_N

ClientSampleId :

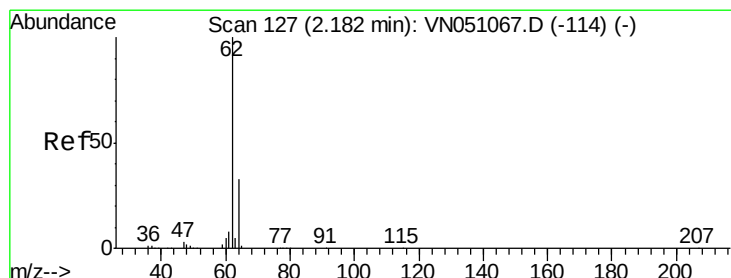
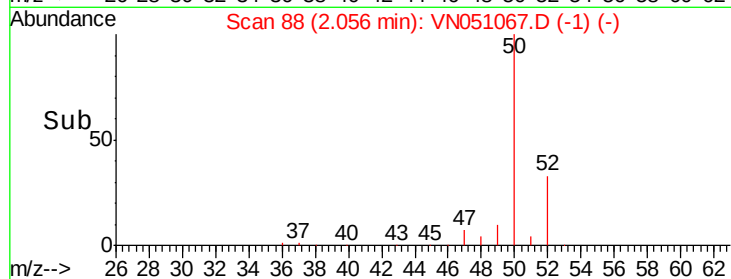
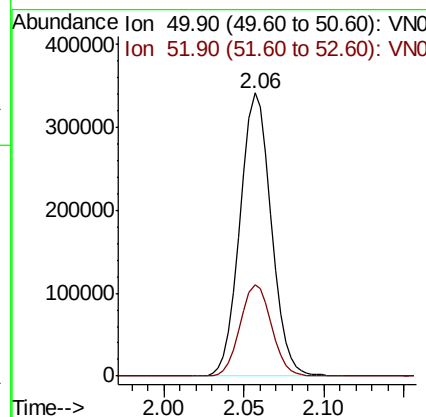
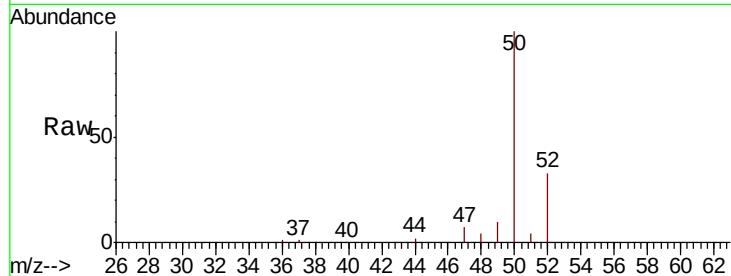
VSTDICCC050

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.48 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN051067.D

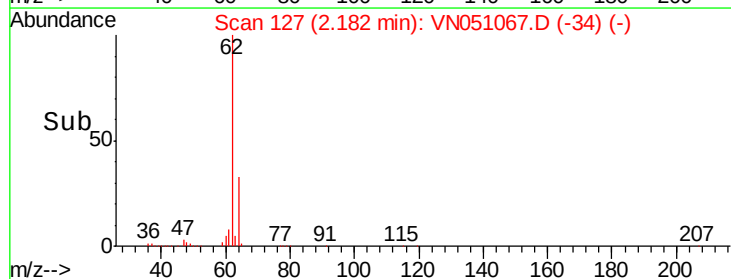
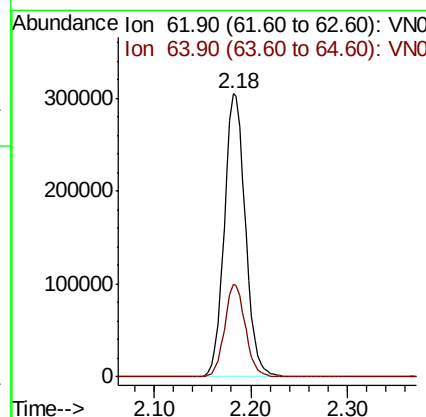
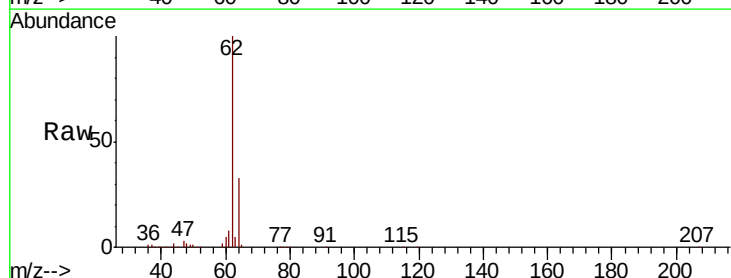
Acq: 10 Sep 2018 9:23

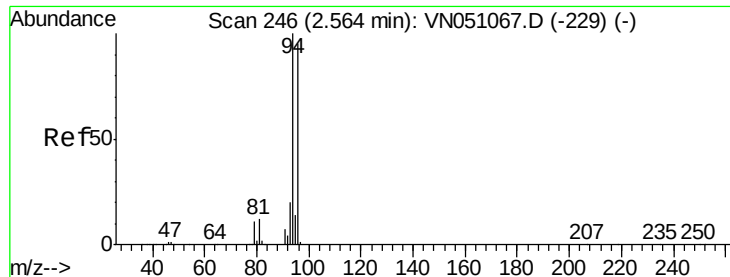
Tgt Ion: 62 Resp: 461540

Ion Ratio Lower Upper

62 100

64 32.8 26.2 39.4





#5

Bromomethane

Concen: 41.45 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 270027

Ion Ratio Lower Upper

94 100

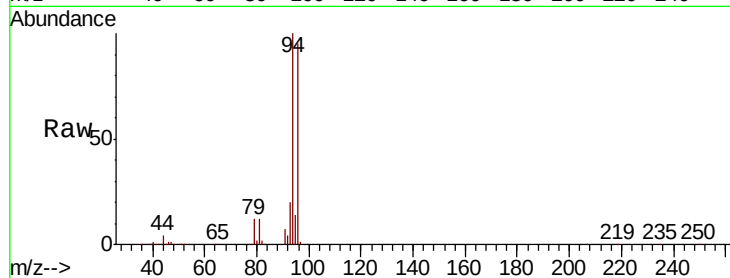
96 94.9 75.9 113.9

Manual Integrations

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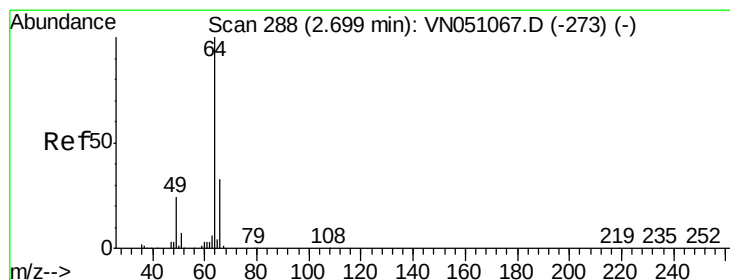
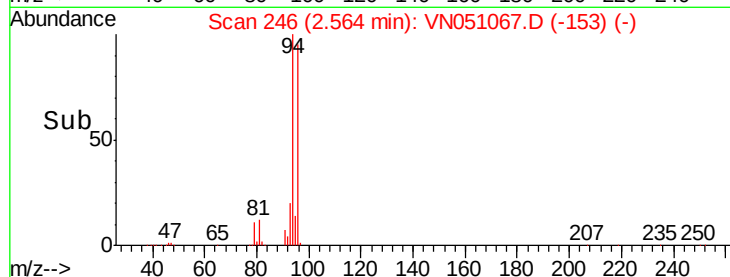
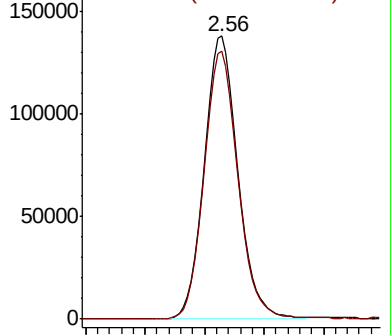
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 46.59 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN051067.D

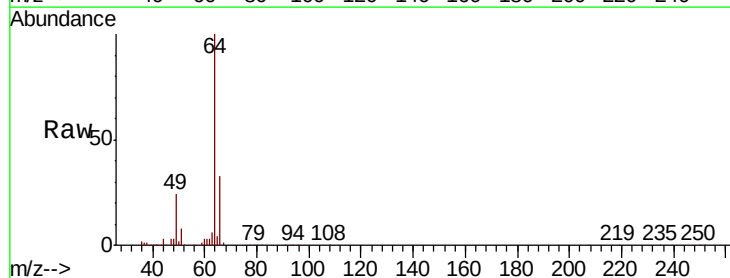
Acq: 10 Sep 2018 9:23

Tgt Ion: 64 Resp: 279510

Ion Ratio Lower Upper

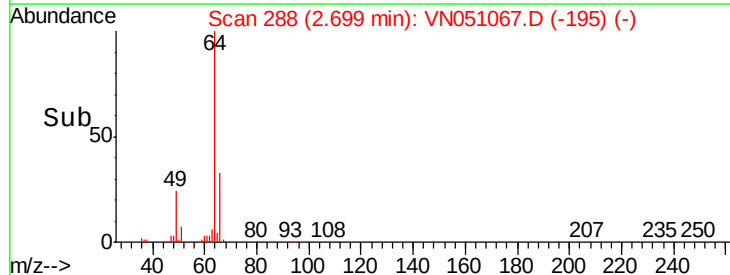
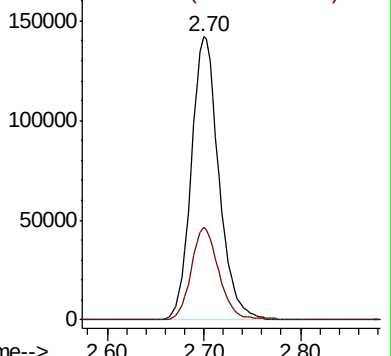
64 100

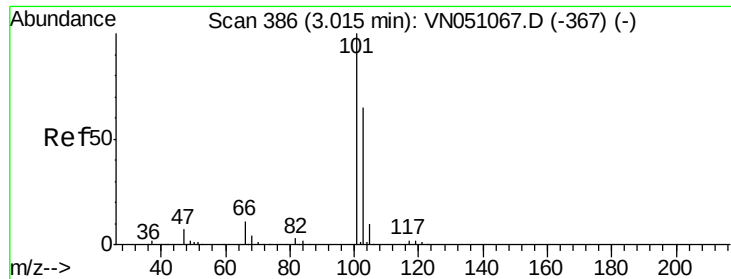
66 32.6 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

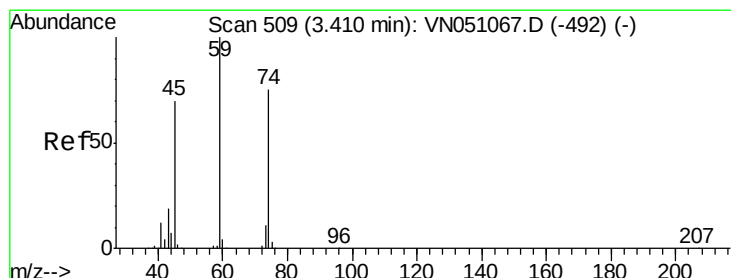
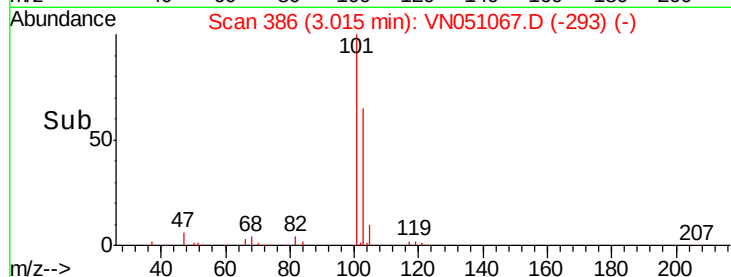
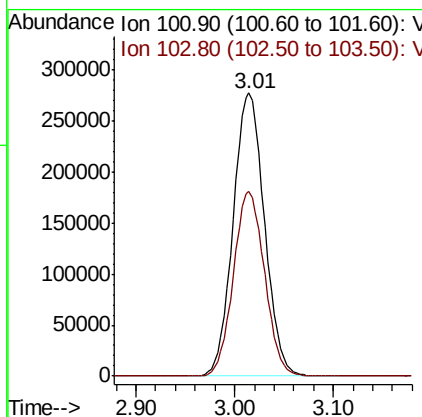
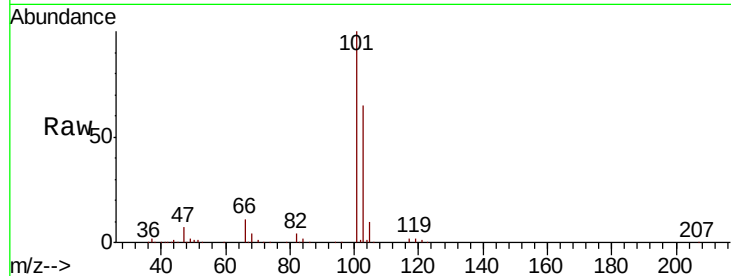
Trichlorofluoromethane
 Concen: 47.46 ug/l
 RT: 3.01 min Scan# 386
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.4	78.6

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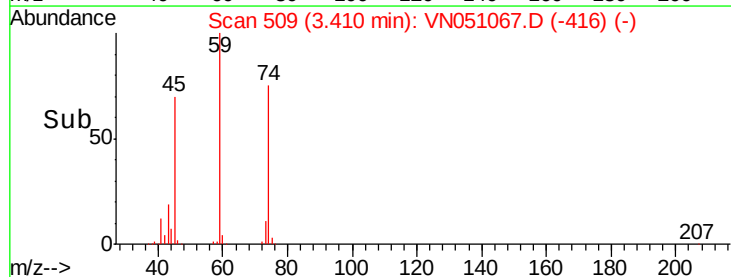
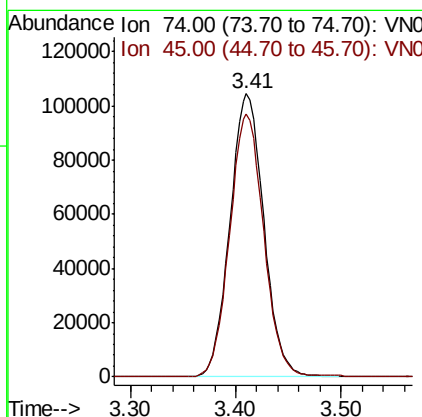
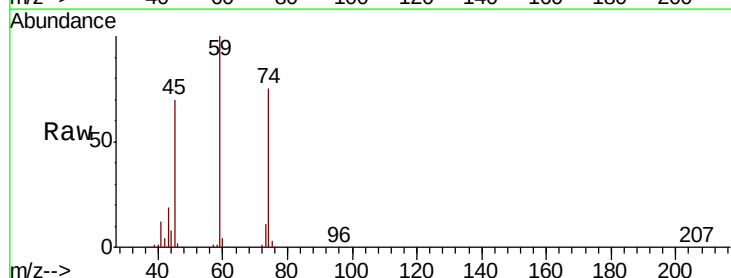
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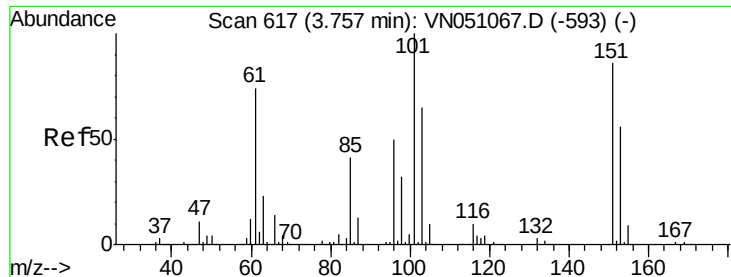


#8

Diethyl Ether
 Concen: 49.10 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	93.3	46.7	140.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.31 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN051067.D

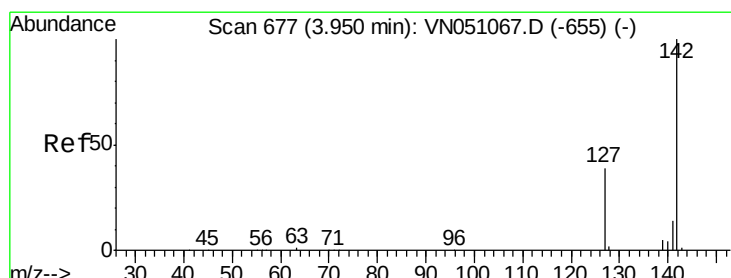
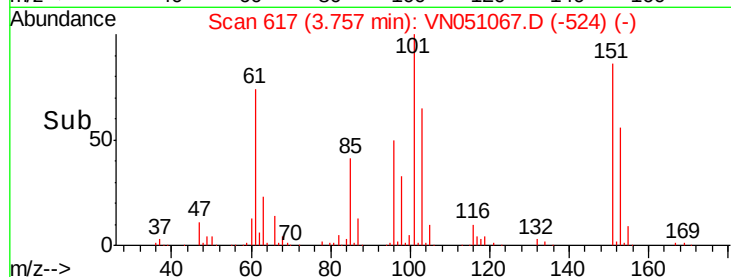
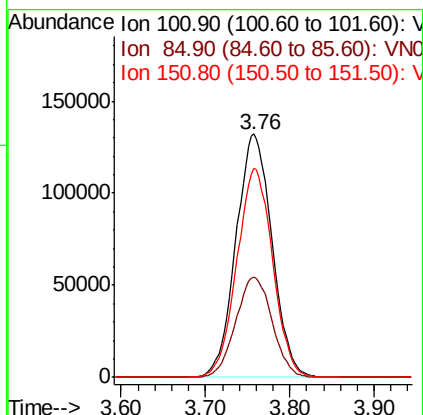
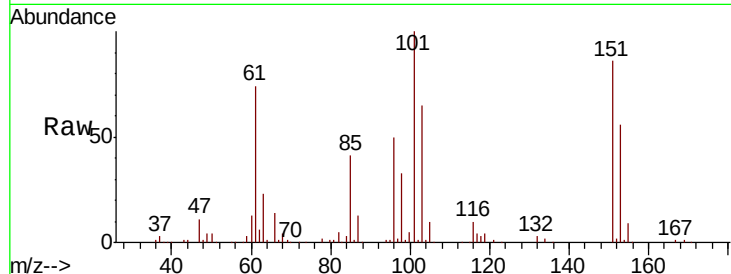
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	392833		
85	41.6	33.3	49.9	
151	85.2	68.2	102.2	

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#10

Methyl Iodide

Concen: 50.13 ug/l

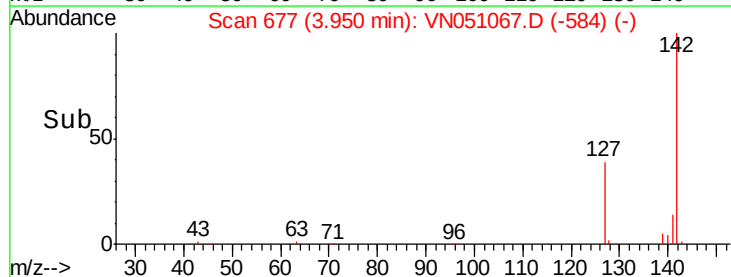
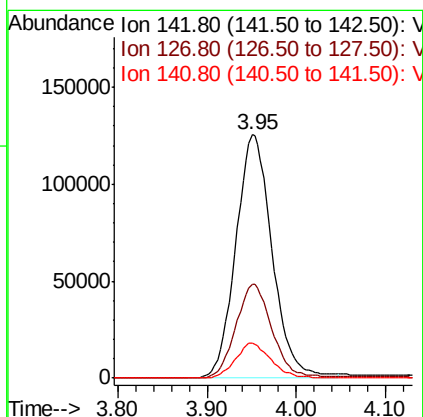
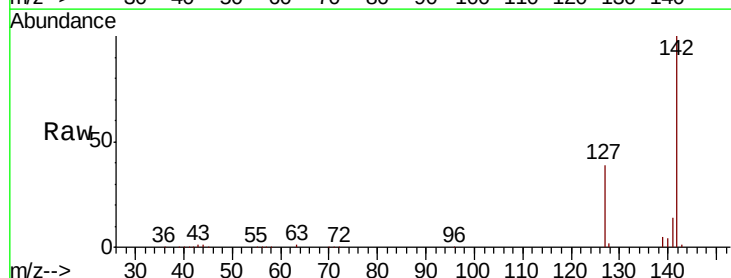
RT: 3.95 min Scan# 677

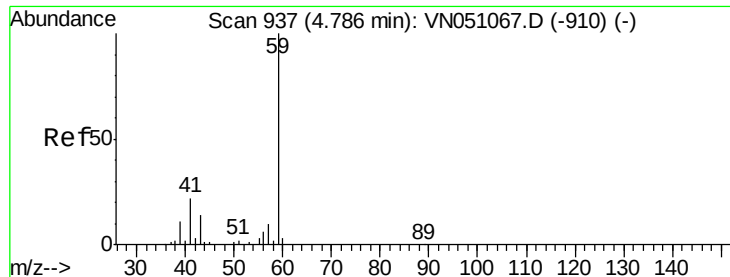
Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	355626		
127	38.7	31.0	46.4	
141	14.1	11.3	16.9	





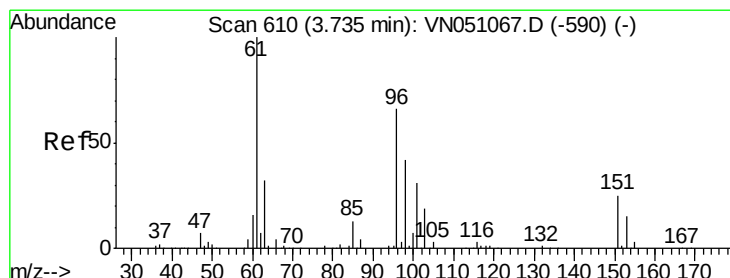
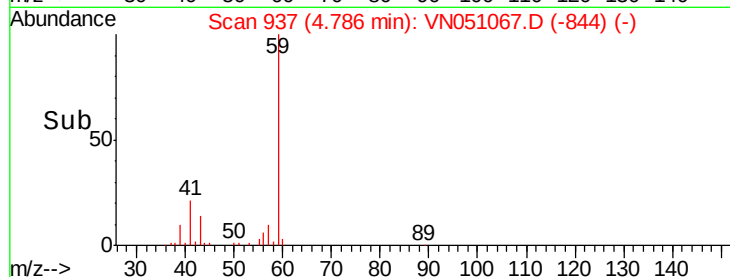
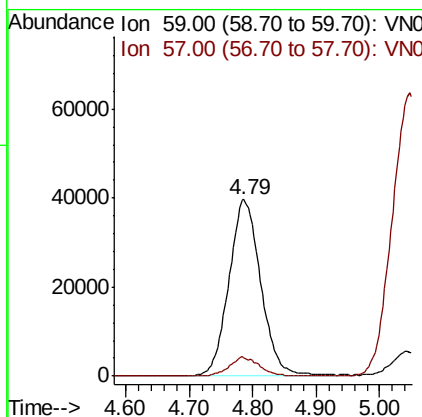
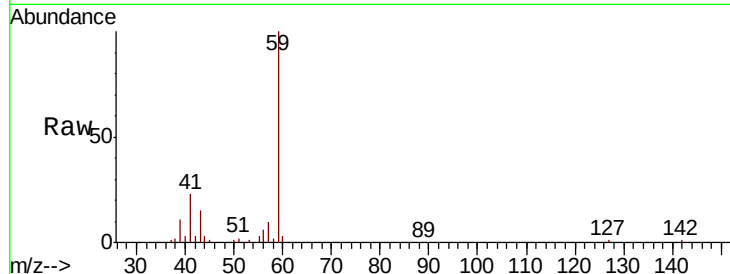
#11
Tert butyl alcohol
Concen: 222.47 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	59	Resp	138871
Ion Ratio	100	Lower	Upper
57	10.1	8.1	12.1

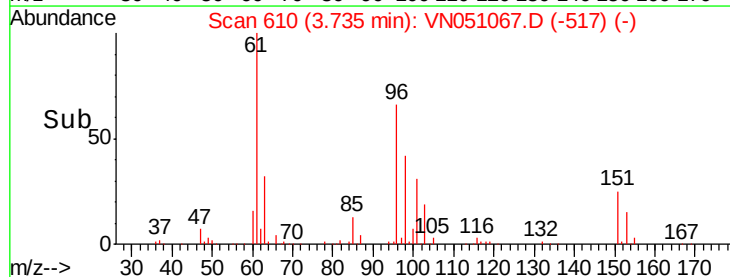
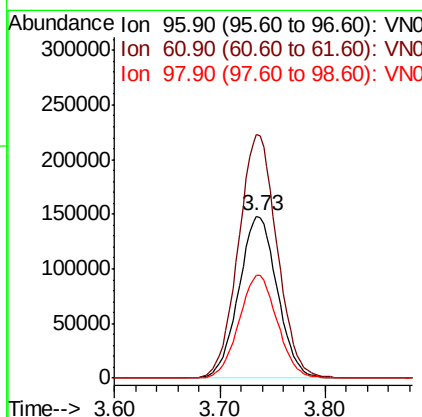
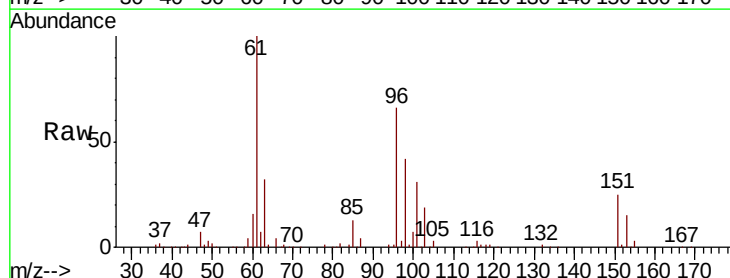
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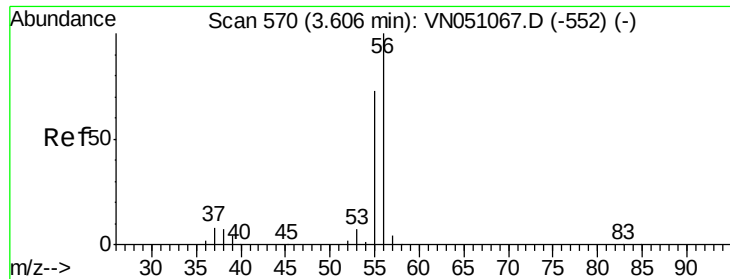
MMDadoda
9/11/2018 9:40:20 AM



#12
1,1-Dichloroethene
Concen: 47.89 ug/l
RT: 3.73 min Scan# 610
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	96	Resp	375149
Ion Ratio	100	Lower	Upper
61	150.4	120.3	180.5
98	63.5	50.8	76.2





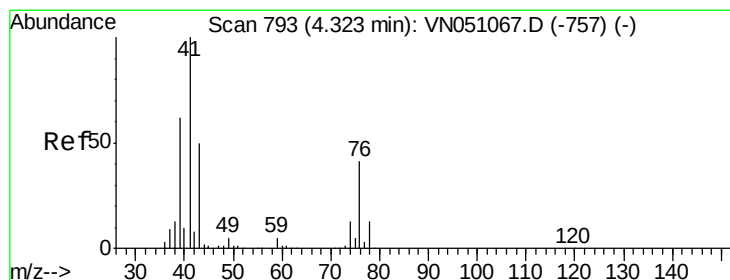
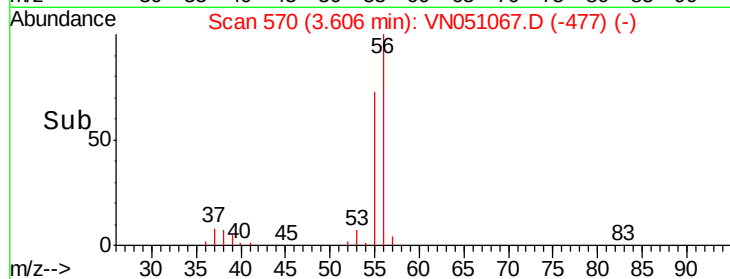
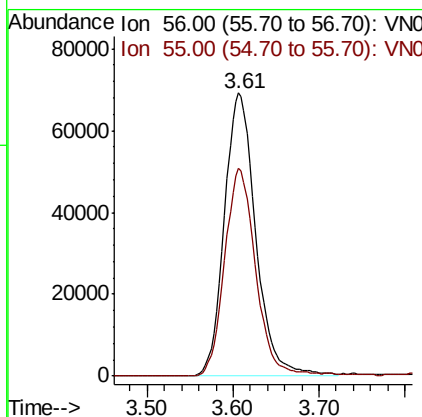
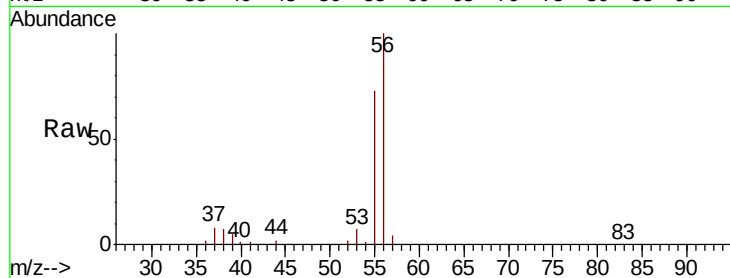
#13
 Acrolein
 Concen: 246.88 ug/l
 RT: 3.61 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	72.5	58.0	87.0

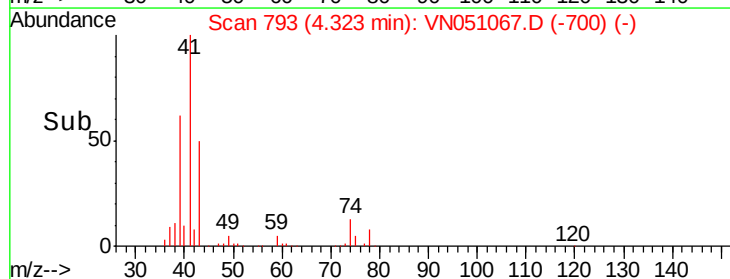
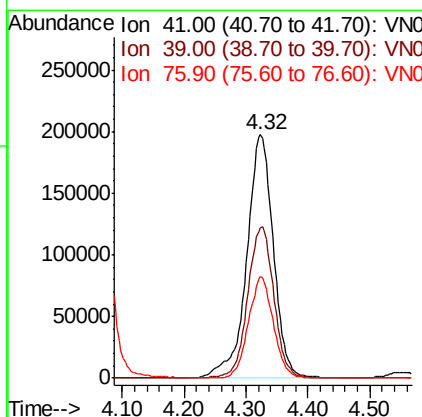
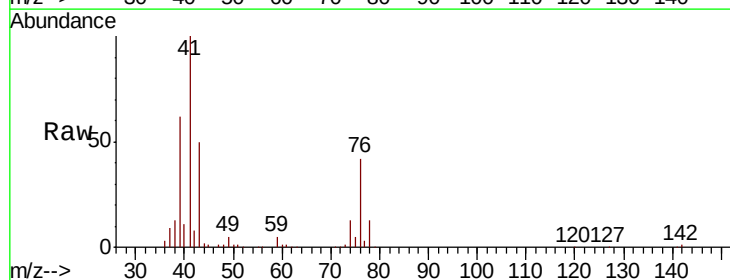
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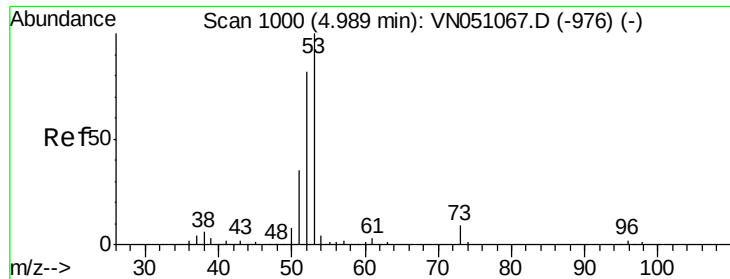
MMDadoda
 9/11/2018 9:40:20 AM



#14
 Allyl chloride
 Concen: 49.57 ug/l
 RT: 4.32 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
41	100		
39	61.0	48.8	73.2
76	38.2	30.6	45.8





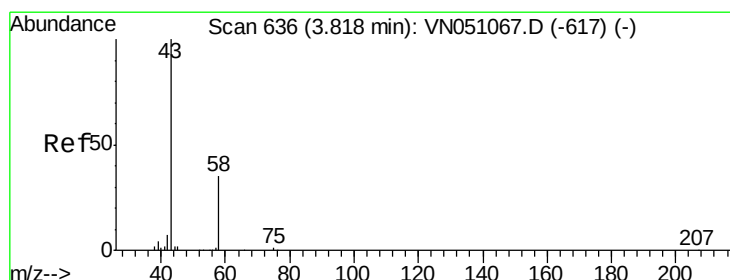
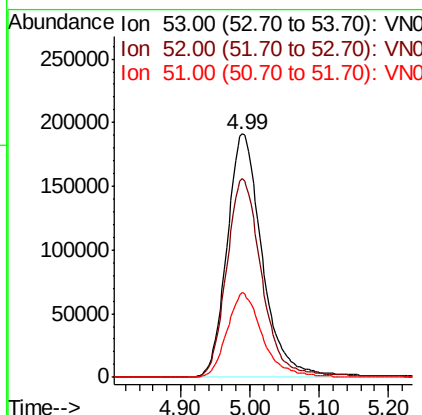
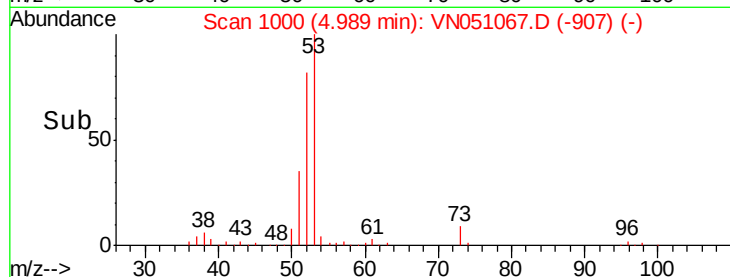
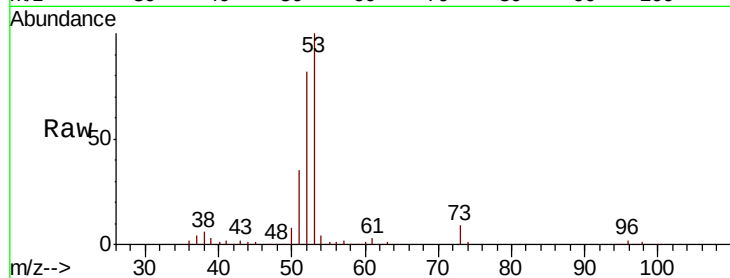
#15
 Acrylonitrile
 Concen: 244.43 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.6	65.3	97.9
51	35.2	28.2	42.2

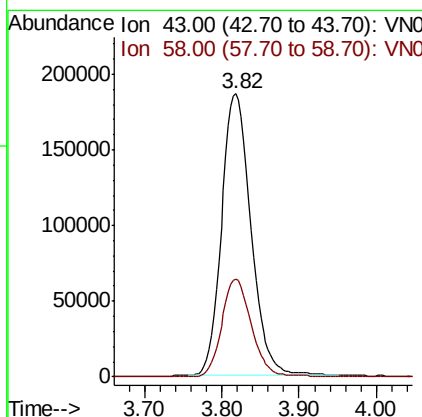
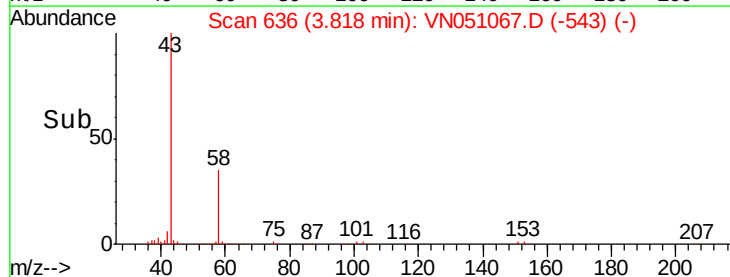
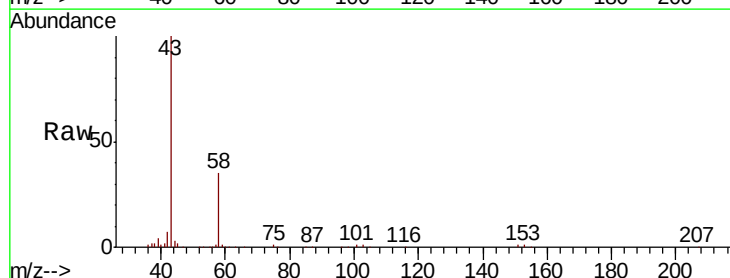
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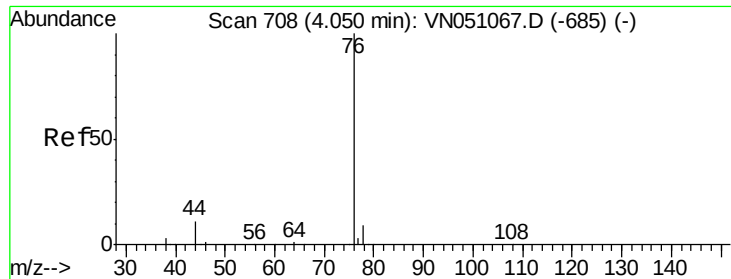
MMDadoda
 9/11/2018 9:40:20 AM



#16
 Acetone
 Concen: 216.47 ug/l
 RT: 3.82 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.7	27.8	41.6





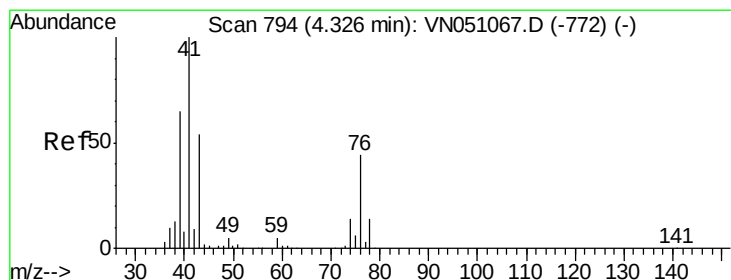
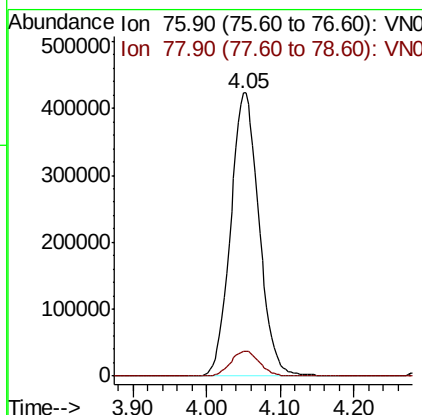
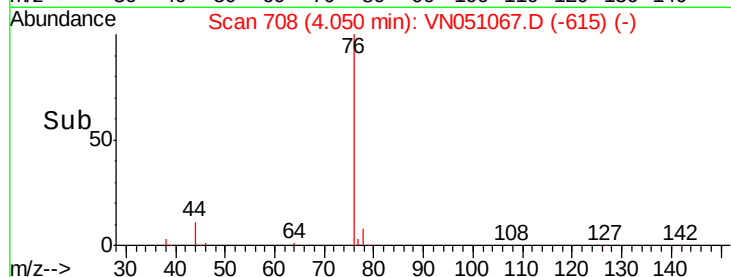
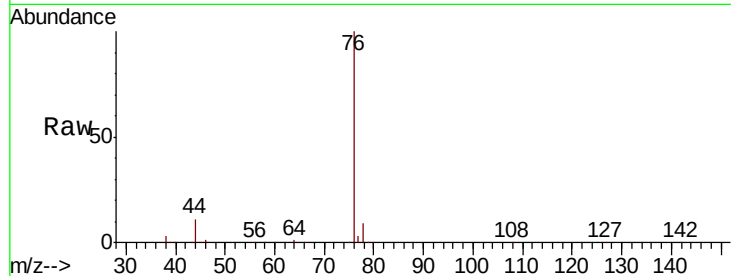
#17
Carbon Disulfide
Concen: 43.97 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 76 Resp: 1133412
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6

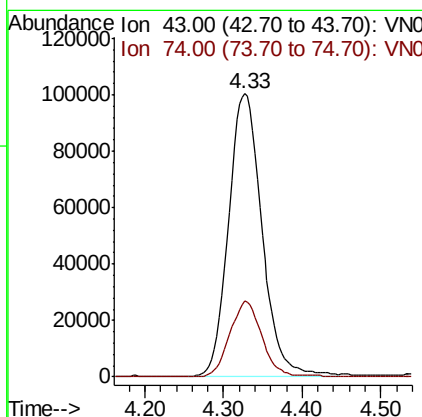
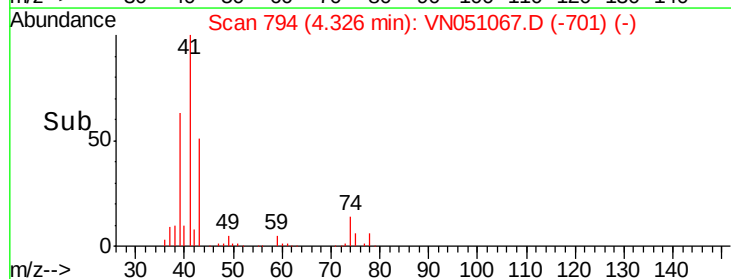
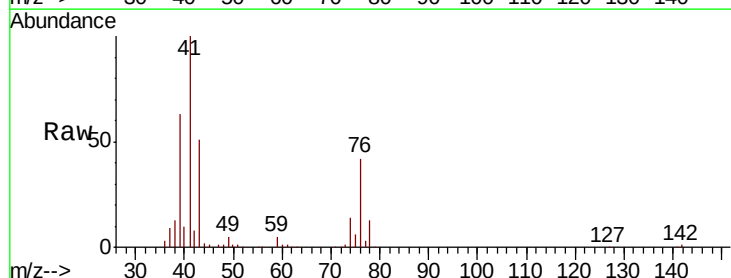
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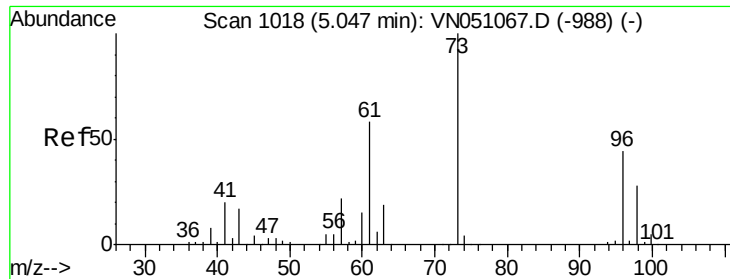
MMDadoda
9/11/2018 9:40:20 AM



#18
Methyl Acetate
Concen: 45.21 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 43 Resp: 295896
Ion Ratio Lower Upper
43 100
74 25.9 20.7 31.1





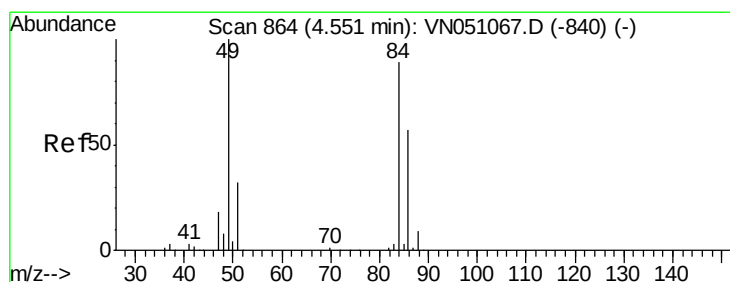
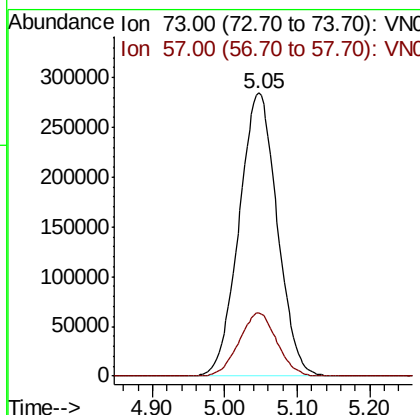
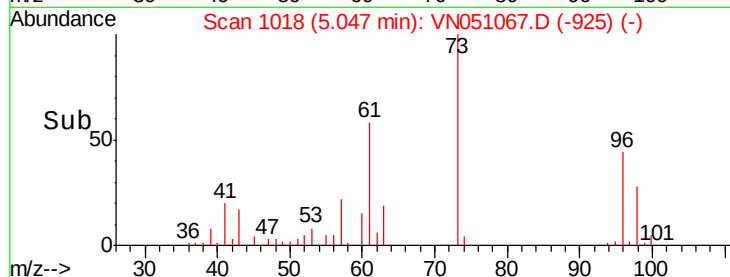
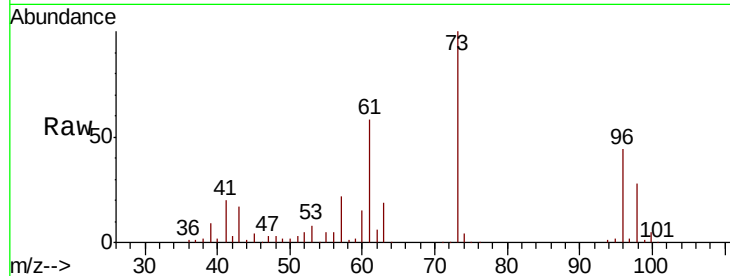
#19
Methyl tert-butyl Ether
Concen: 55.32 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 73 Resp: 1040801
Ion Ratio Lower Upper
73 100
57 22.4 17.9 26.9

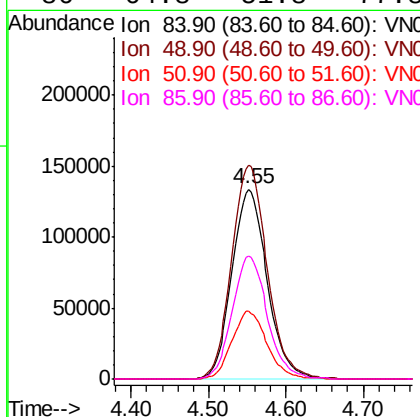
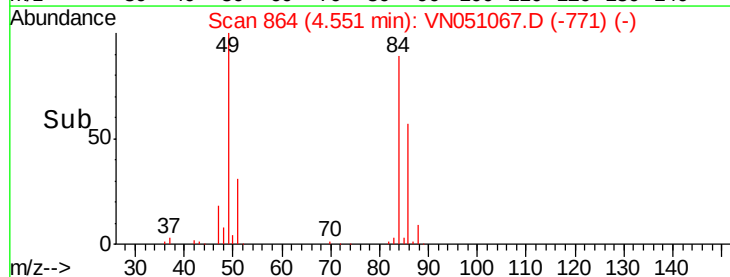
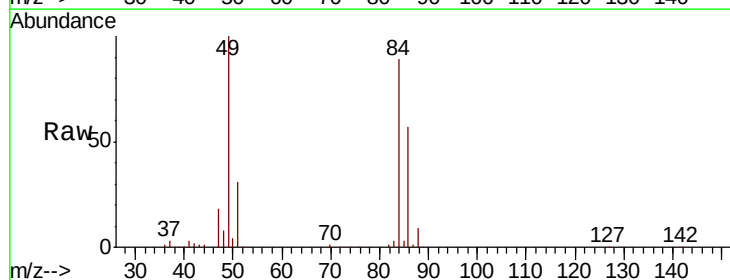
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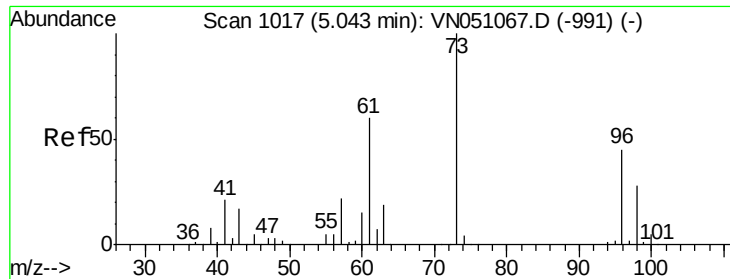
MMDadoda
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#20
Methylene Chloride
Concen: 46.85 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 84 Resp: 422912
Ion Ratio Lower Upper
84 100
49 112.7 90.2 135.2
51 35.5 28.4 42.6
86 64.8 51.8 77.8





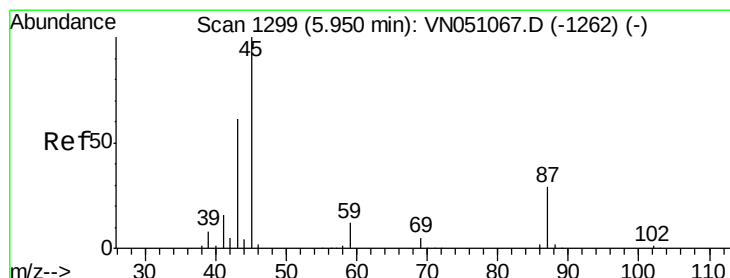
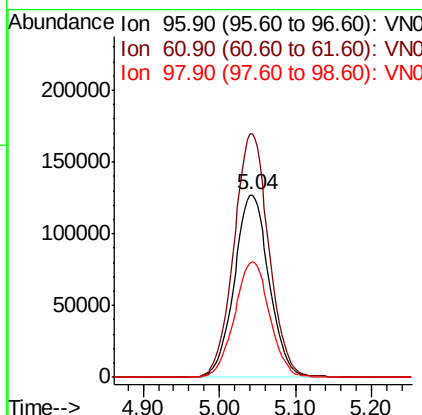
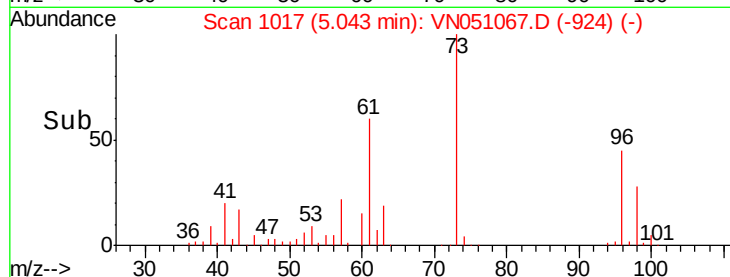
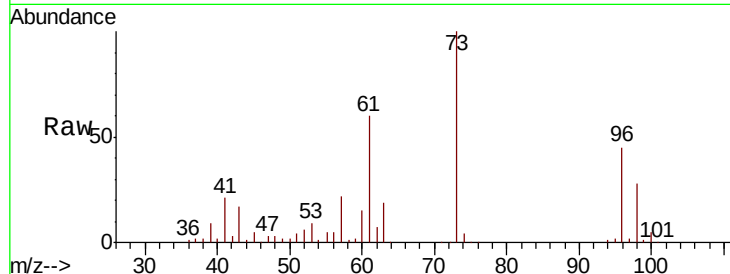
#21
trans-1,2-Dichloroethene
Concen: 47.49 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	106.5	159.7
98	63.0	50.4	75.6

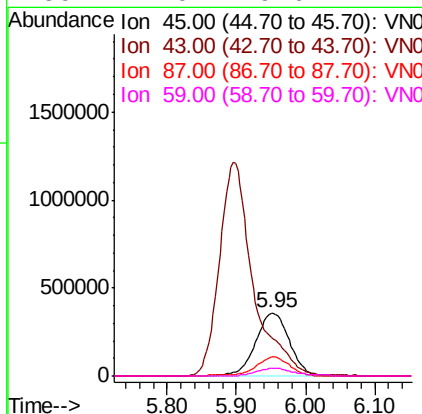
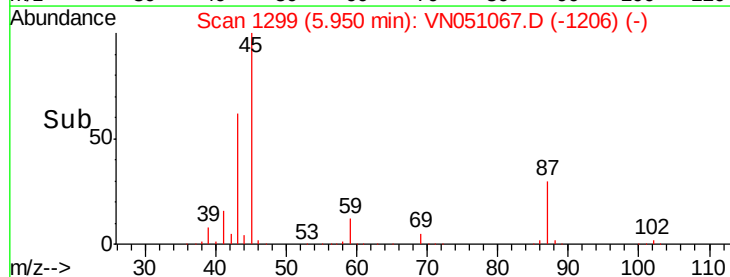
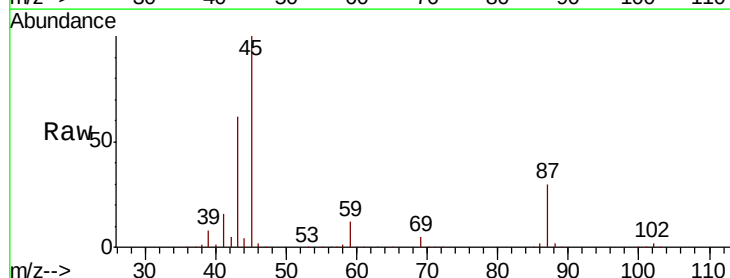
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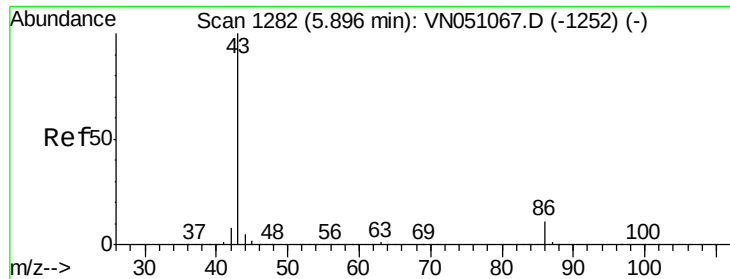
MMDadoda
9/11/2018 9:40:20 AM



#22
Diisopropyl ether
Concen: 51.25 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.0	48.8	73.2
87	29.8	23.8	35.8
59	12.0	9.6	14.4





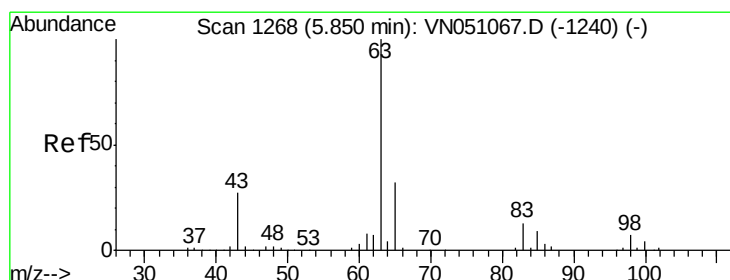
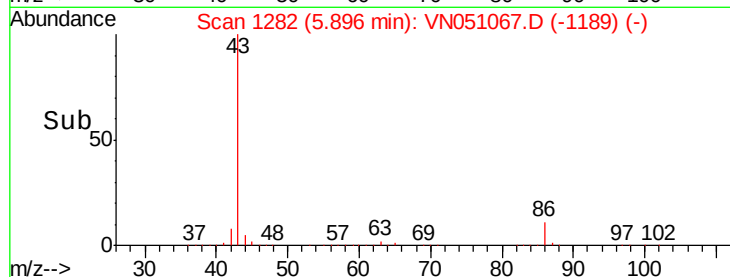
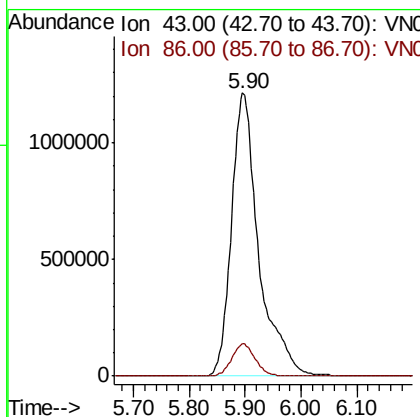
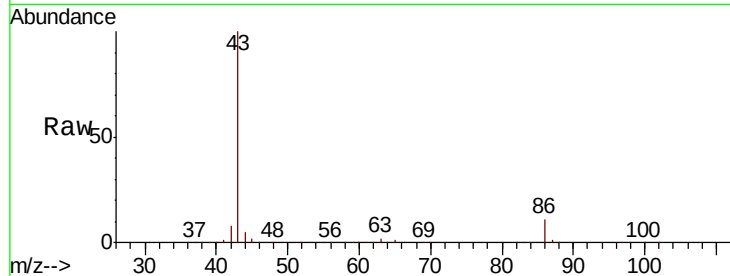
#23
 Vinyl Acetate
 Concen: 257.49 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC050

Tot Ion	43	Resp	4128095
Ion	Ratio	Lower	Upper
43	100		
86	11.5	9.2	13.8

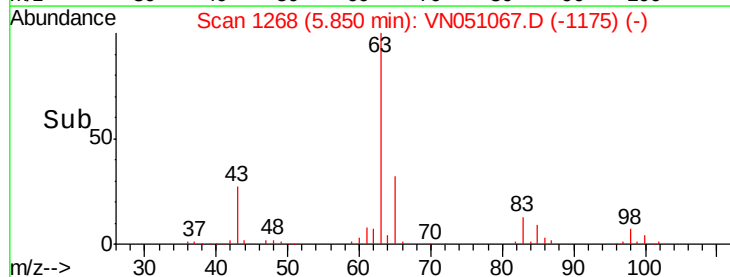
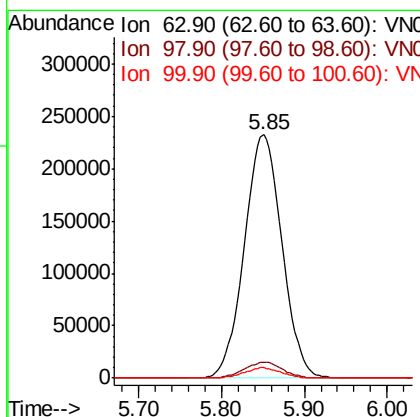
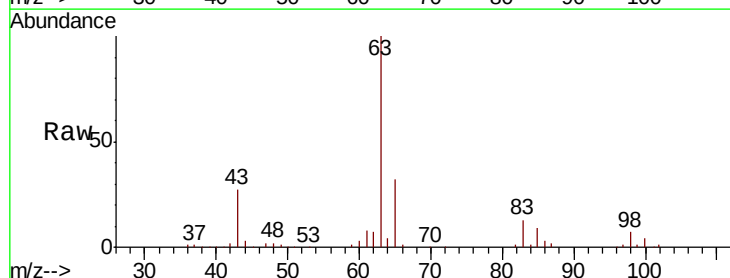
Manual Integrations
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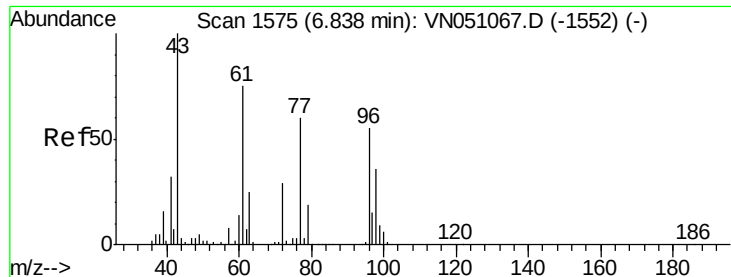
MMDadoda
 9/11/2018 9:40:20 AM



#24
 1,1-Dichloroethane
 Concen: 48.75 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	63	Resp	732643
Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	4.2	2.1	6.3





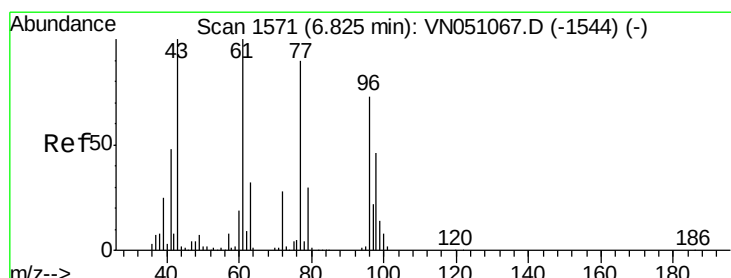
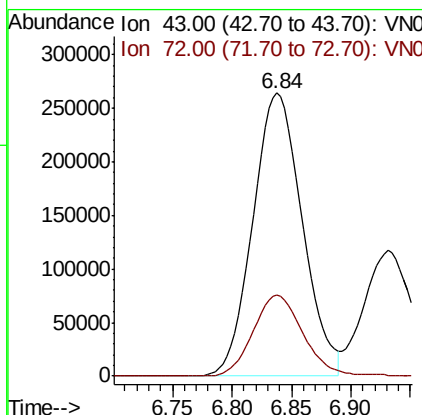
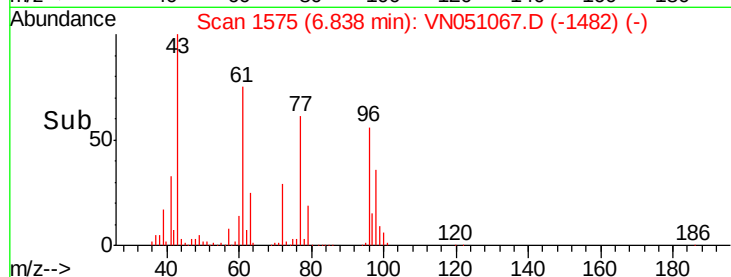
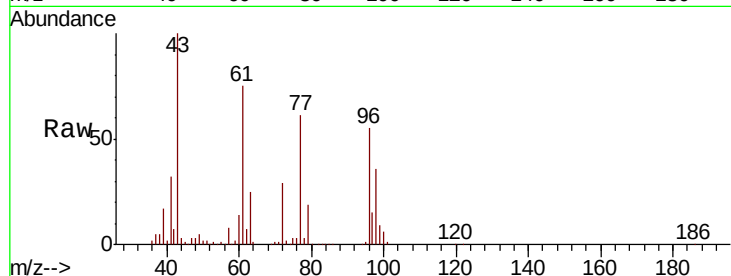
#25
 2-Butanone
 Concen: 236.36 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 43 Resp: 759462
 Ion Ratio Lower Upper
 43 100
 72 28.8 23.0 34.6

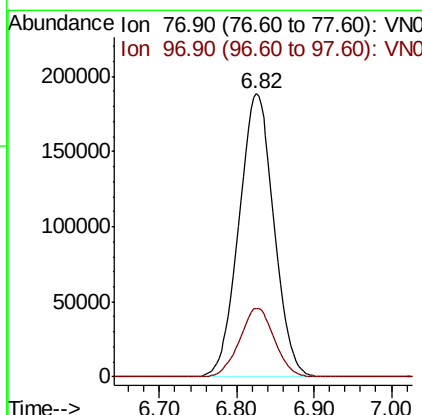
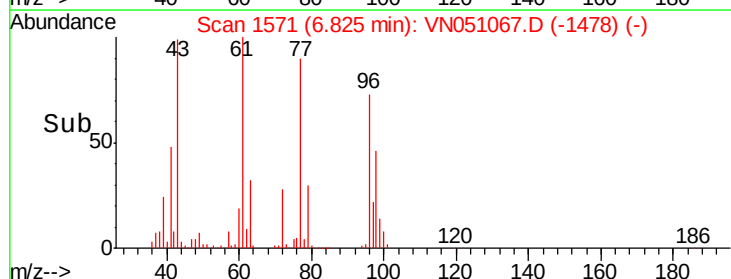
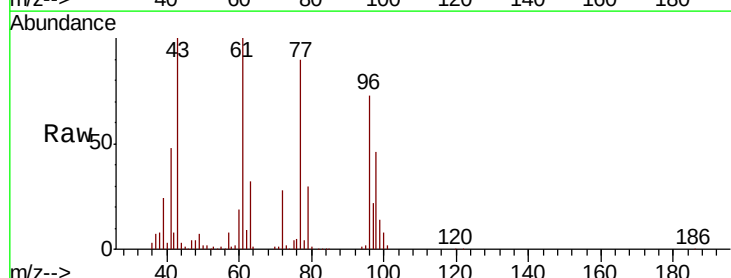
Manual Integrations
 APPROVED

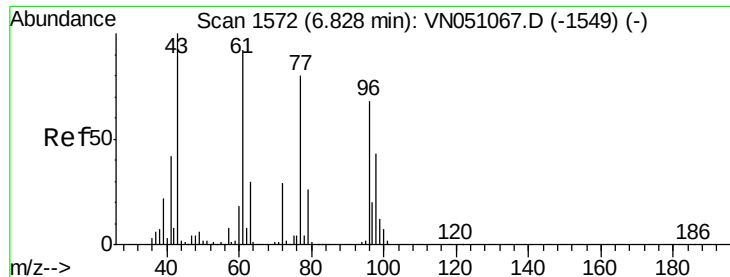
MMDadoda
 9/11/2018 9:40:20 AM



#26
 2,2-Dichloropropane
 Concen: 48.16 ug/l
 RT: 6.82 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 77 Resp: 592474
 Ion Ratio Lower Upper
 77 100
 97 24.2 12.1 36.3





#27

cis-1,2-Dichloroethene

Concen: 48.68 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 96 Resp: 453776

Ion Ratio Lower Upper

96 100

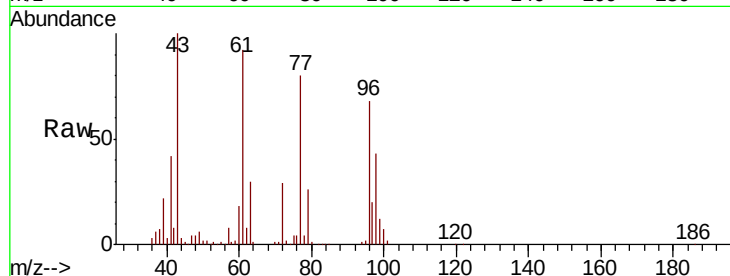
61 139.1 0.0 278.2

98 64.7 0.0 129.4

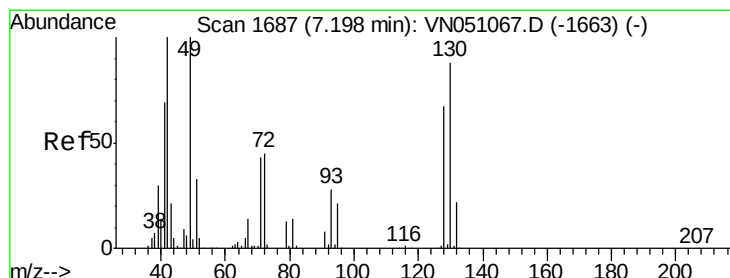
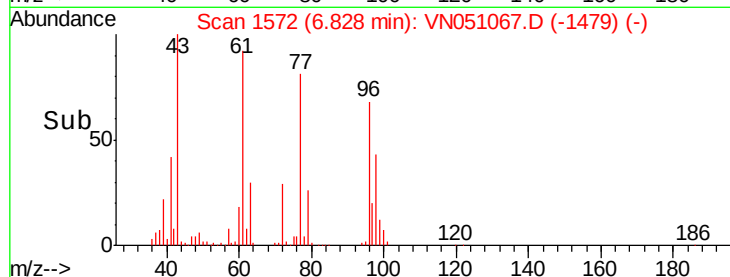
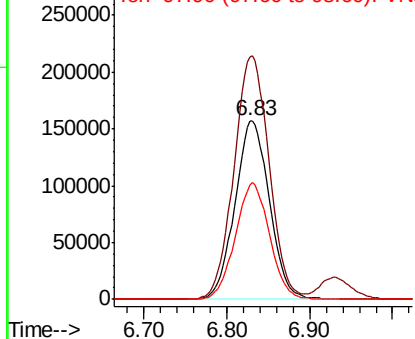
Manual Integrations
APPROVED

MMDadoda

9/11/2018 9:40:20 AM



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 49.86 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

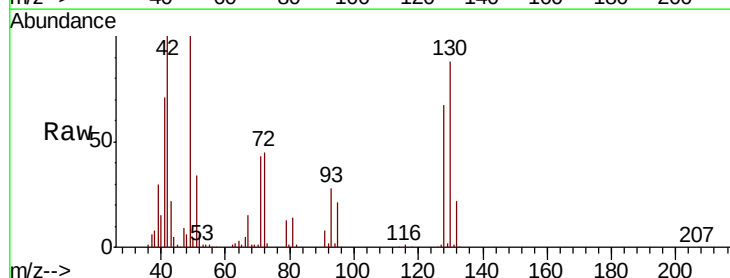
Tgt Ion: 49 Resp: 333552

Ion Ratio Lower Upper

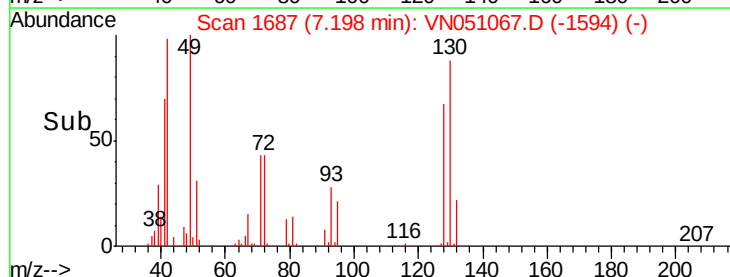
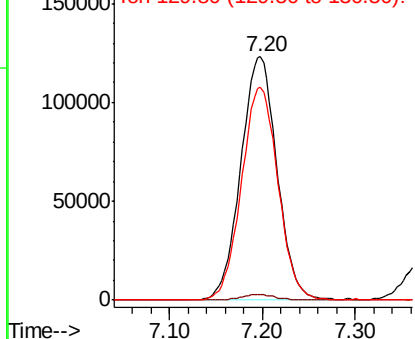
49 100

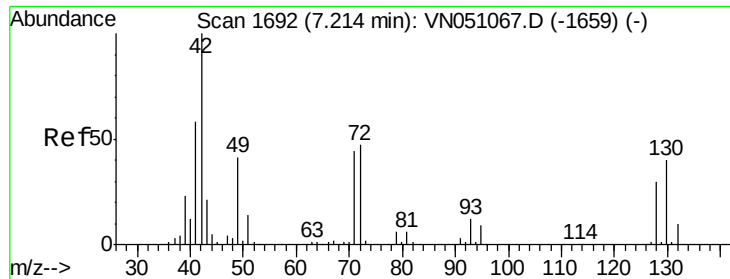
129 2.2 0.0 4.4

130 88.4 70.7 106.1



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





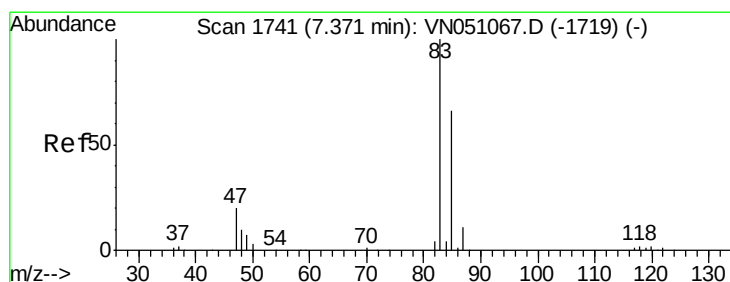
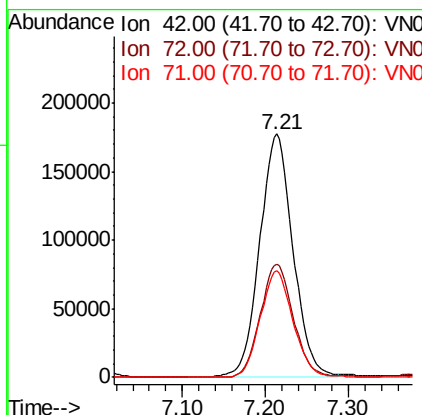
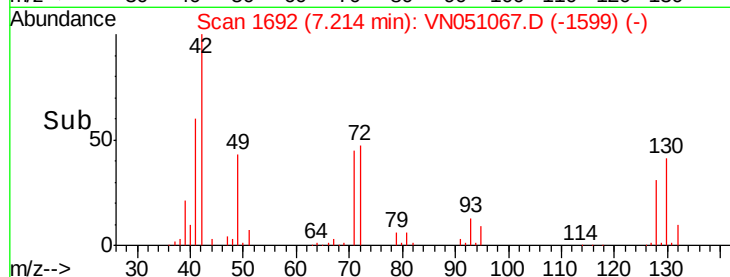
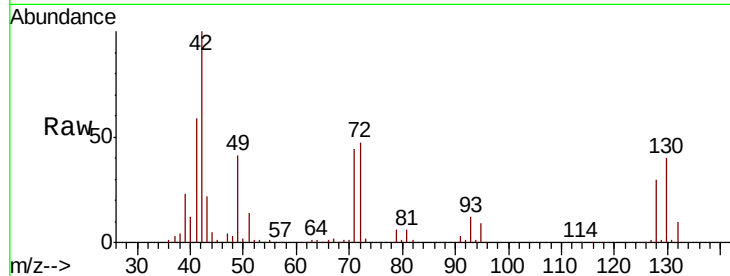
#29
Tetrahydrofuran
Concen: 246.68 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.7	37.4	56.0
71	43.4	34.7	52.1

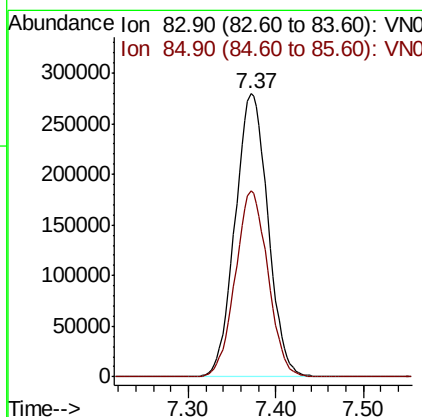
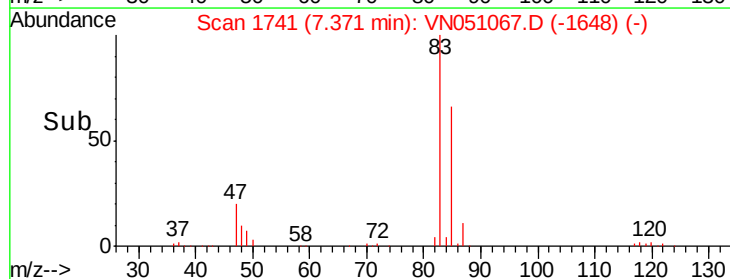
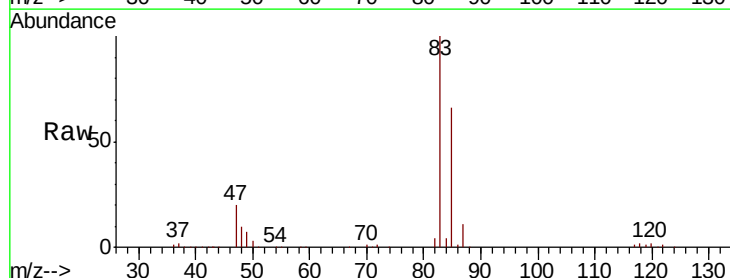
Manual Integrations
APPROVED

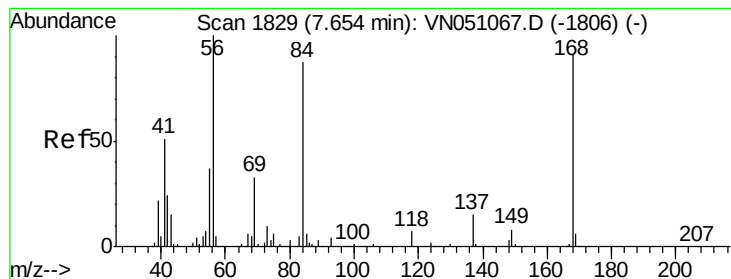
MMDadoda
9/11/2018 9:40:20 AM



#30
Chloroform
Concen: 48.76 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.6	79.0





#31

Cyclohexane

Concen: 43.82 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion: 56 Resp: 666158

Ion Ratio Lower Upper

56 100

69 32.9 26.3 39.5

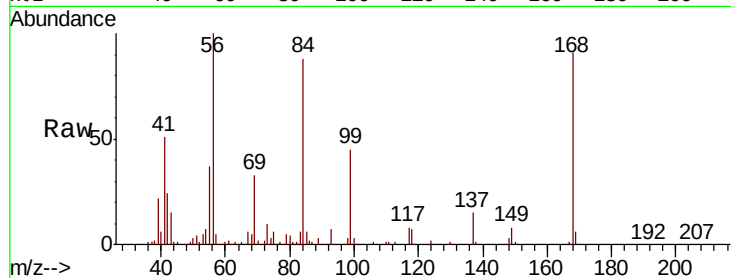
84 86.7 69.4 104.0

Manual Integrations

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MMDadoda

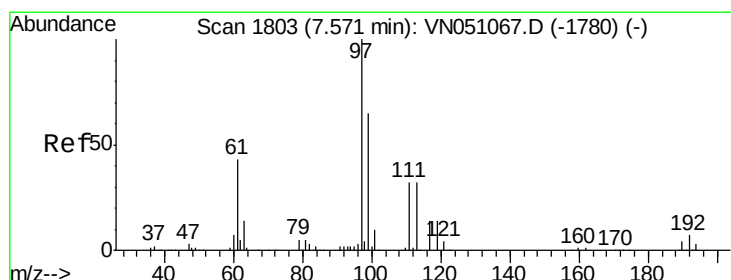
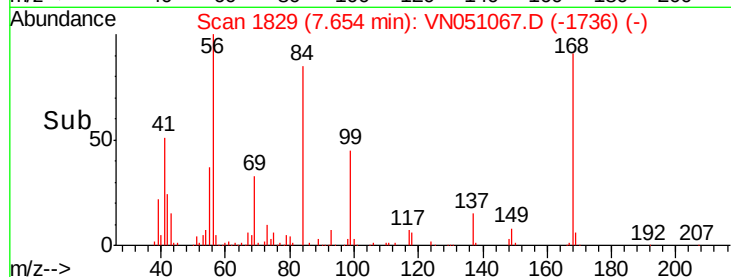
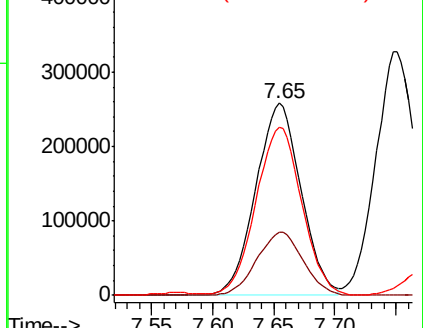
9/11/2018 9:40:20 AM



Abundance Ion 56.00 (55.70 to 56.70): VN051067.D (-1806) (-)

Ion 69.00 (68.70 to 69.70): VN051067.D (-1806) (-)

Ion 84.00 (83.70 to 84.70): VN051067.D (-1806) (-)



#32

1,1,1-Trichloroethane

Concen: 48.75 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

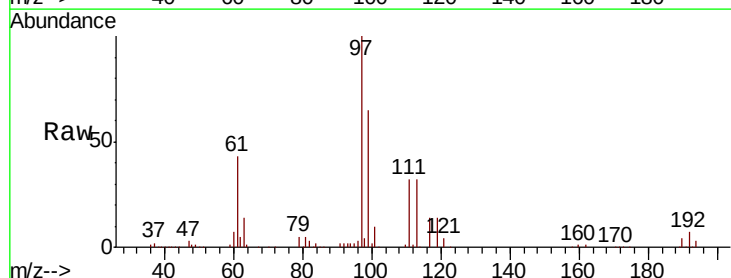
Tgt Ion: 97 Resp: 621100

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

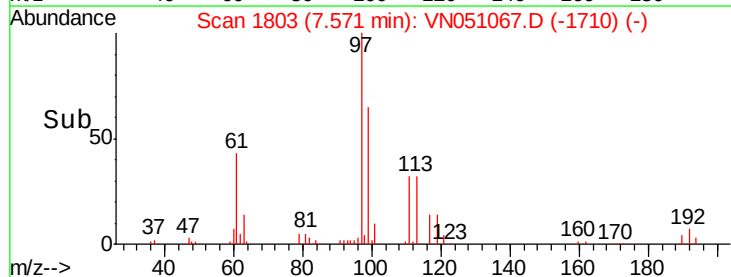
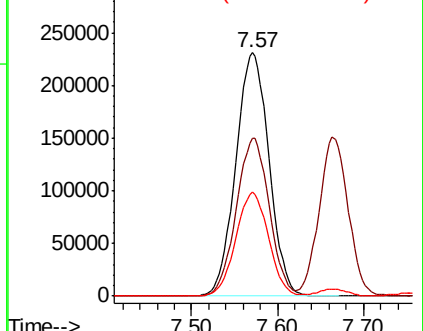
61 42.2 33.8 50.6

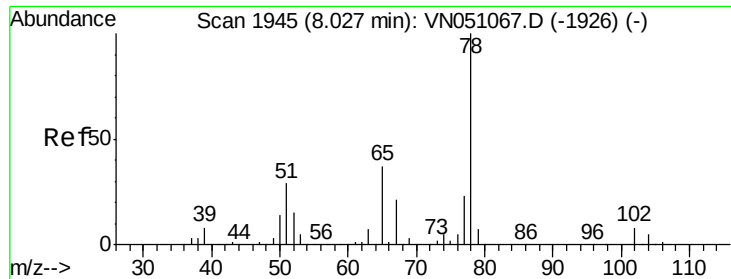


Abundance Ion 96.90 (96.60 to 97.60): VN051067.D (-1780) (-)

Ion 98.90 (98.60 to 99.60): VN051067.D (-1780) (-)

Ion 60.90 (60.60 to 61.60): VN051067.D (-1780) (-)





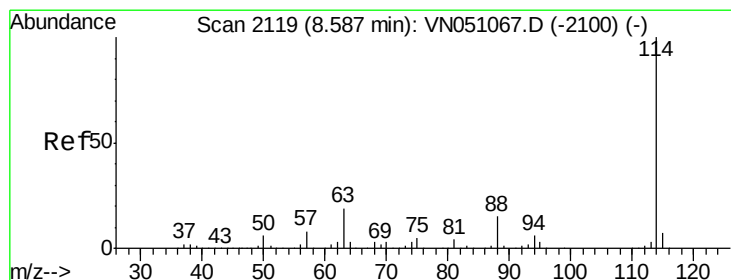
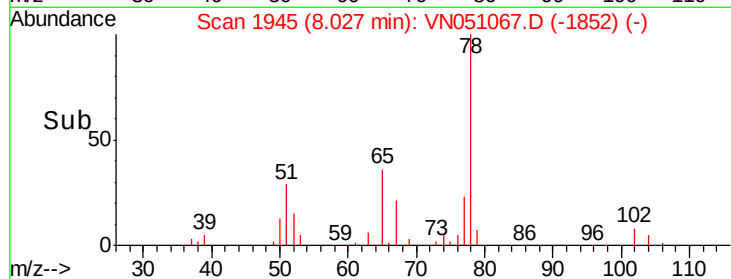
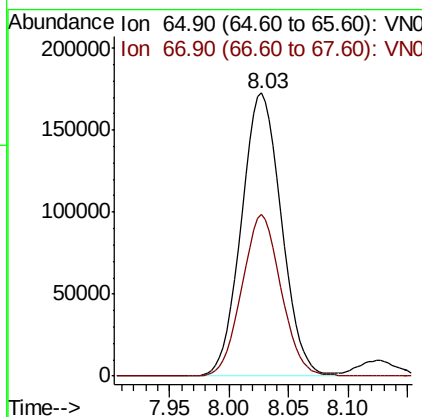
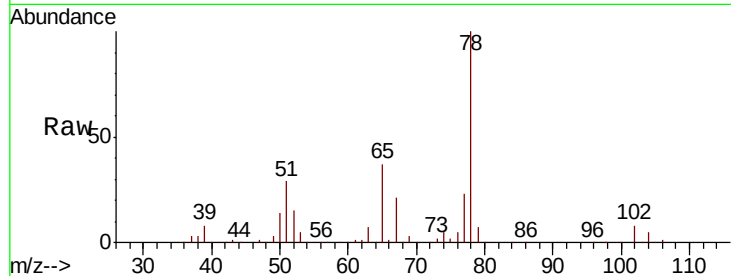
#33
 1,2-Dichloroethane-d4
 Concen: 49.38 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	403558		
67	56.0	0.0	112.0	

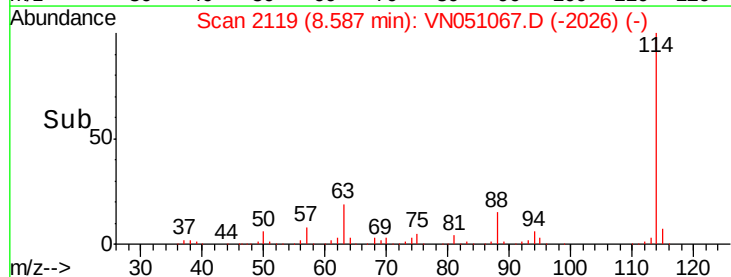
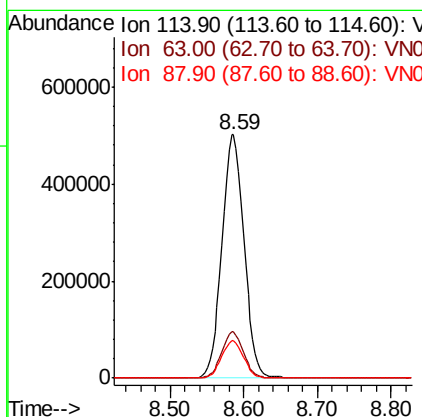
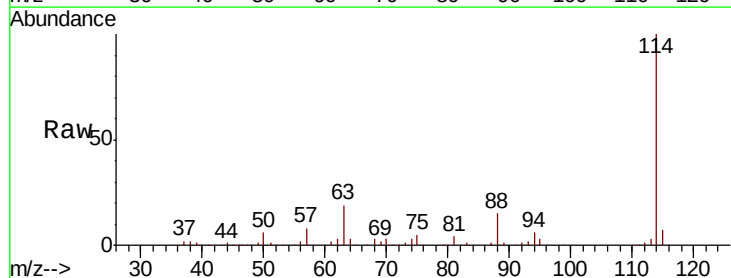
Manual Integrations
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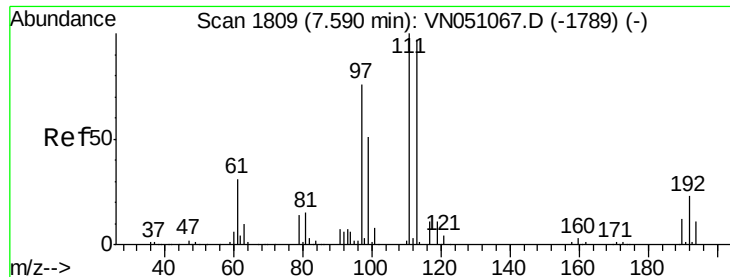
MMDadoda
 9/11/2018 9:40:20 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1046889		
63	18.9	0.0	37.8	
88	15.4	0.0	30.8	





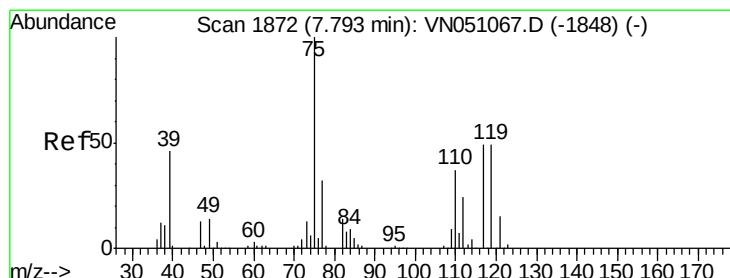
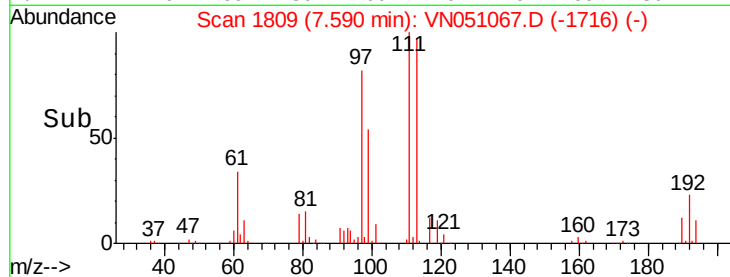
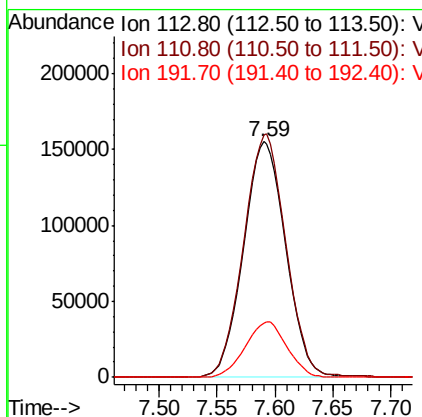
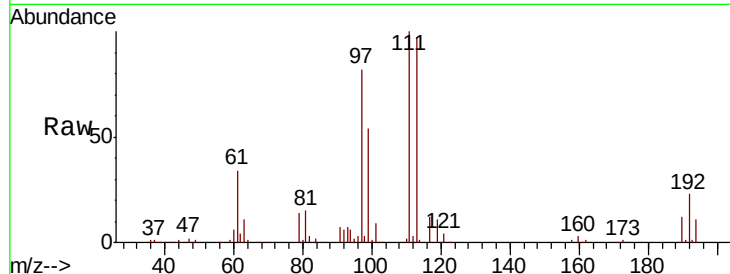
#35
 Dibromofluoromethane
 Concen: 49.92 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	392665		
111	103.8	83.0	124.6	
192	23.4	18.7	28.1	

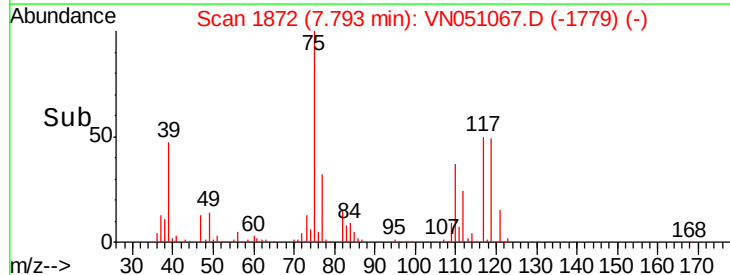
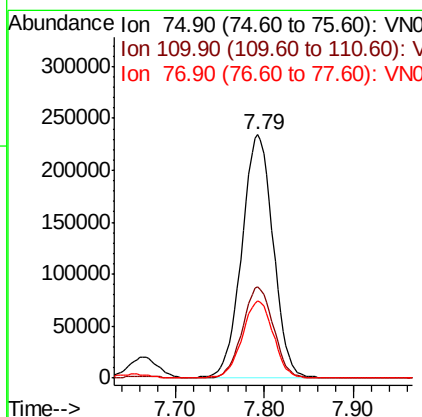
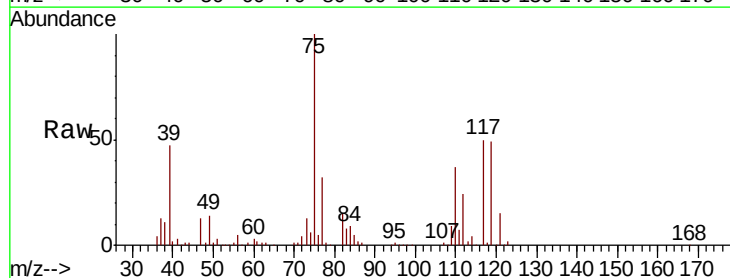
Manual Integrations
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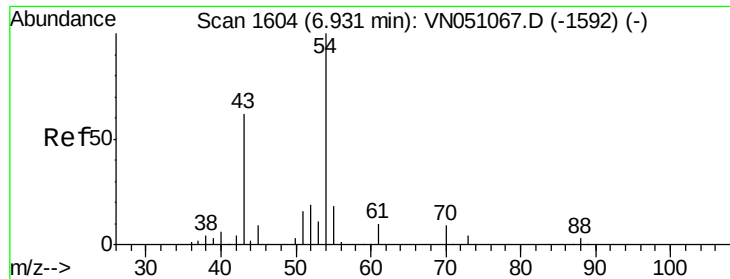
MMDadoda
 9/11/2018 9:40:20 AM



#36
 1,1-Dichloropropene
 Concen: 49.52 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	569194		
110	37.2	18.6	55.8	
77	31.5	25.2	37.8	





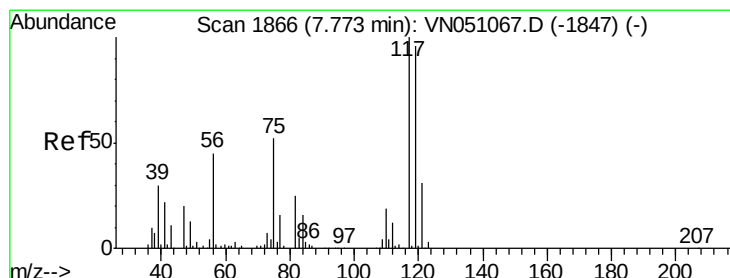
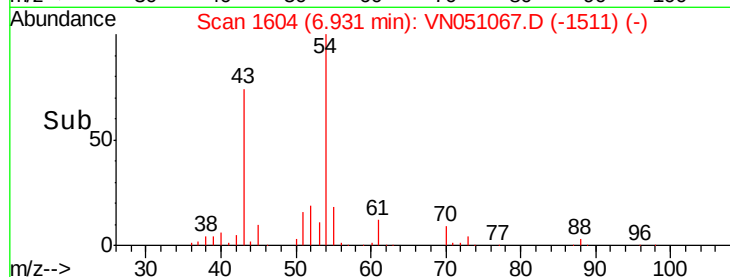
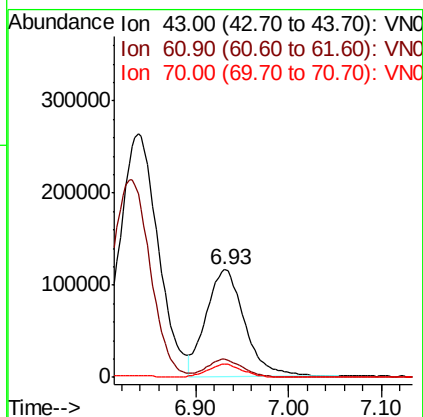
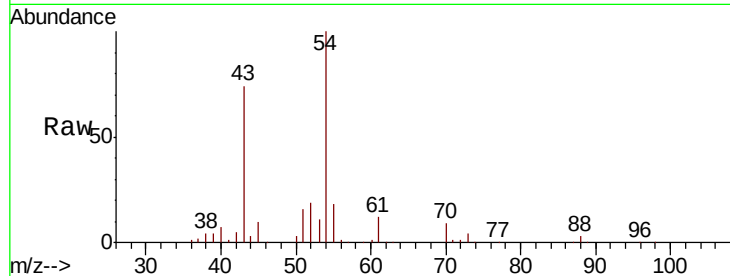
#37
Ethyl Acetate
Concen: 50.11 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	12.4	18.6
70	11.6	9.3	13.9

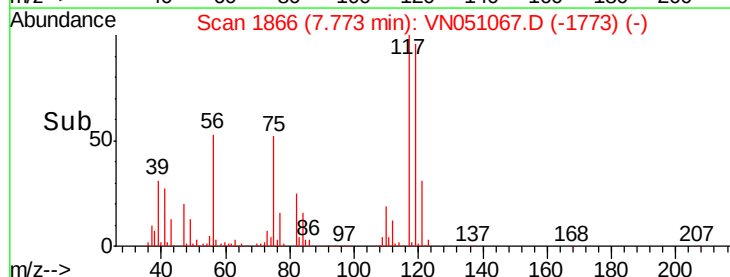
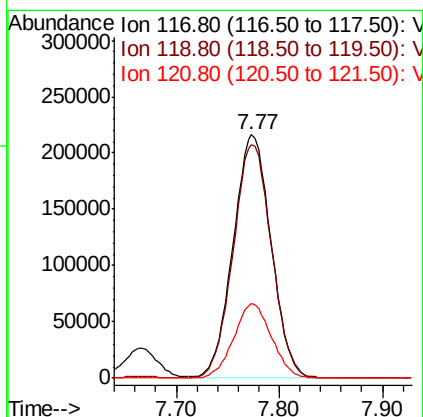
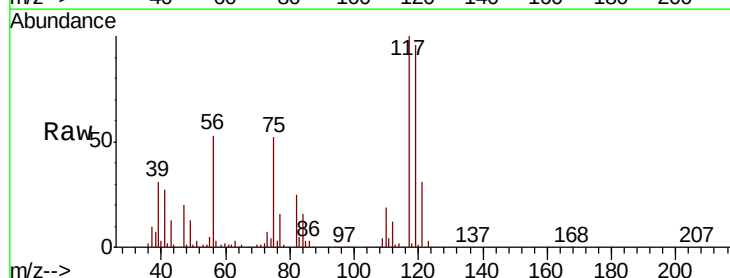
Manual Integrations
APPROVED

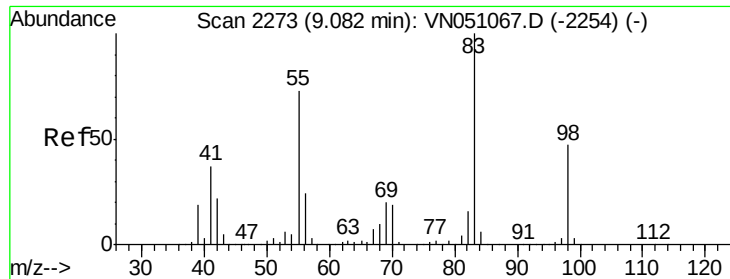
MMDadoda
9/11/2018 9:40:20 AM



#38
Carbon Tetrachloride
Concen: 48.93 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.0	76.8	115.2
121	30.7	24.6	36.8





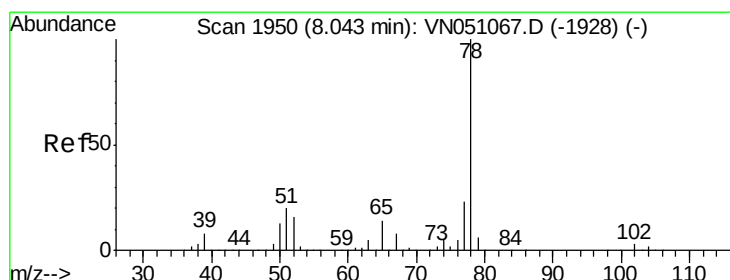
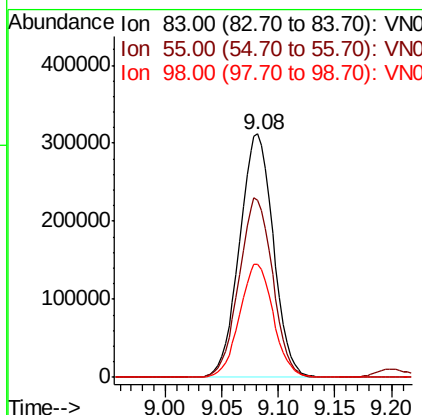
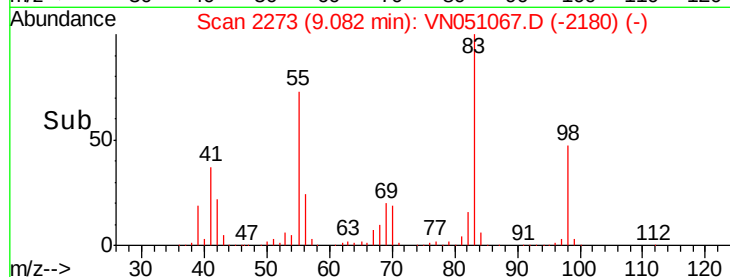
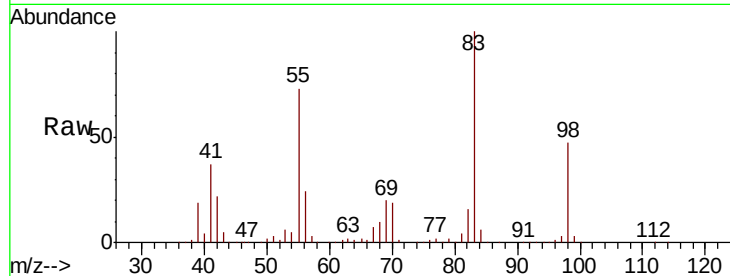
#39
Methylvlcyclohexane
Concen: 51.21 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	649385
Ion Ratio	100	Lower	Upper
83	100		
55	73.0	58.4	87.6
98	46.6	37.3	55.9

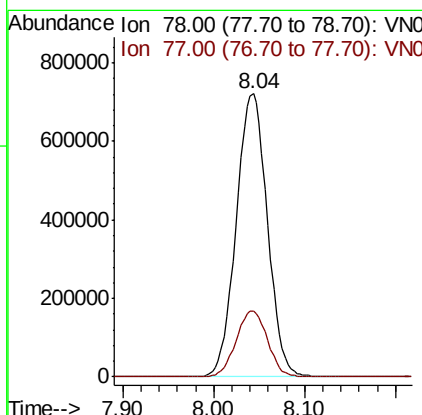
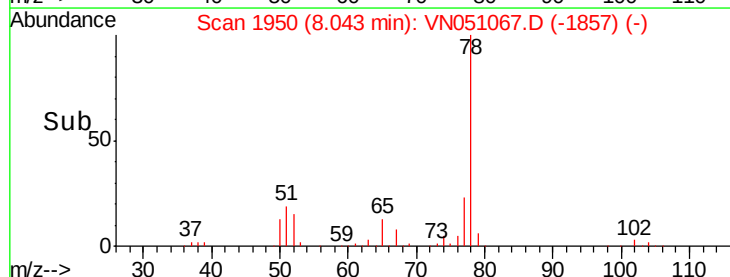
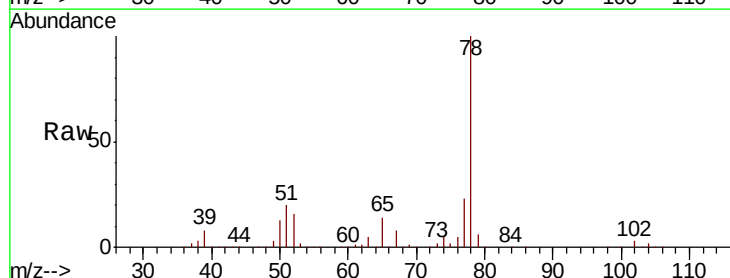
Manual Integrations
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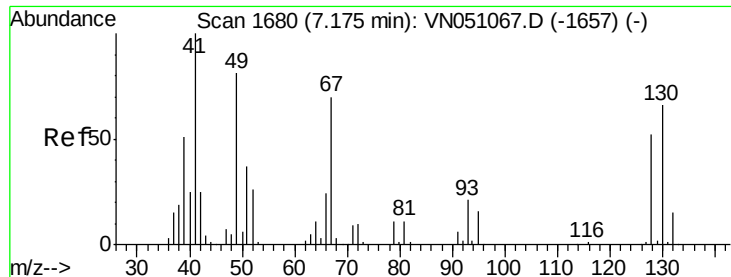
MMDadoda
9/11/2018 9:40:20 AM



#40
Benzene
Concen: 49.60 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	78	Resp	1717864
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	18.6	27.8





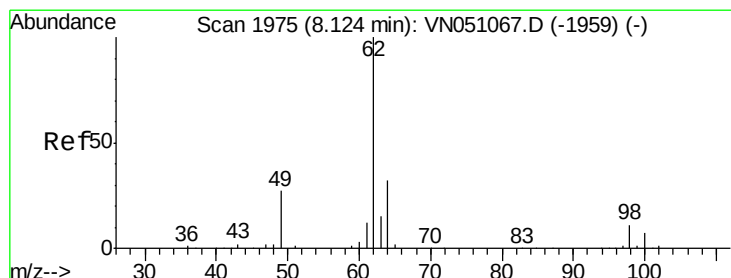
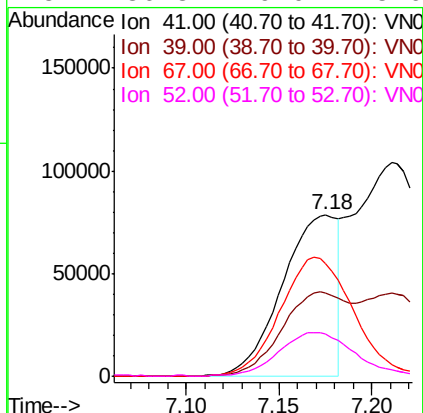
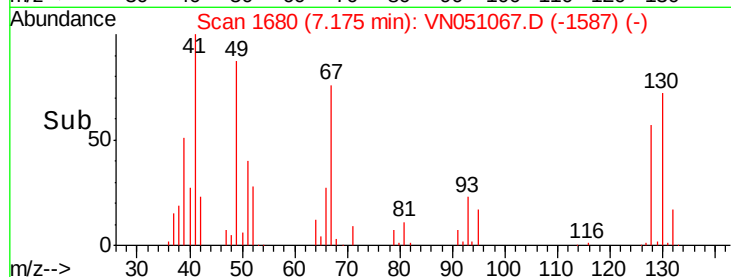
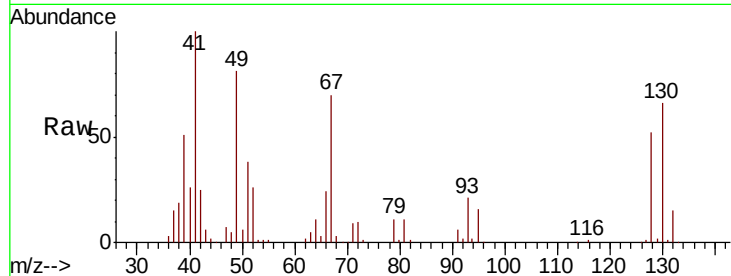
#41
Methacrylonitrile
Concen: 47.56 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	64.1	51.3	76.9
67	98.1	78.5	117.7
52	36.3	29.0	43.6

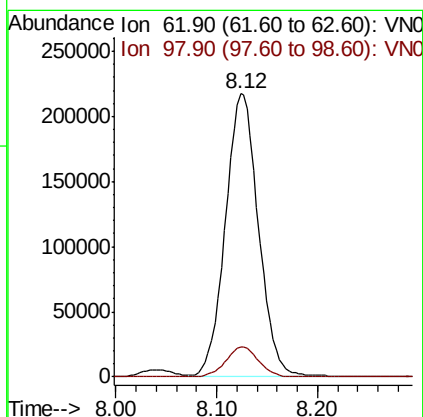
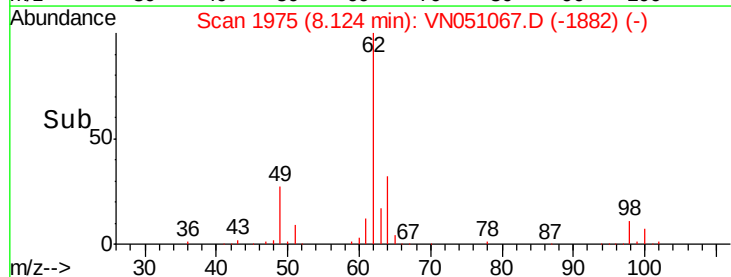
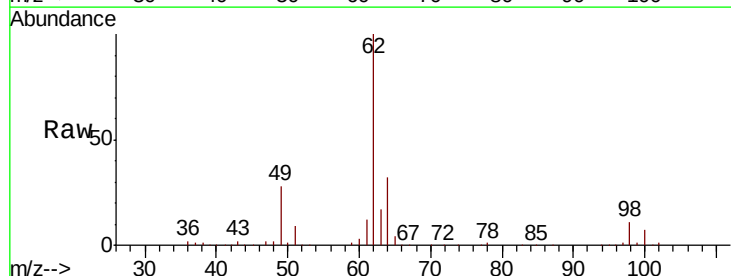
Manual Integrations
APPROVED

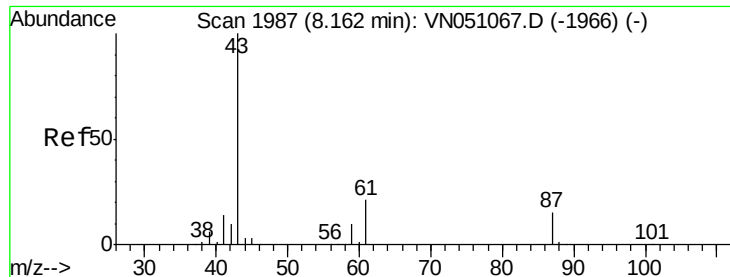
MMDadoda
9/11/2018 9:40:20 AM



#42
1,2-Dichloroethane
Concen: 48.88 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 49.93 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

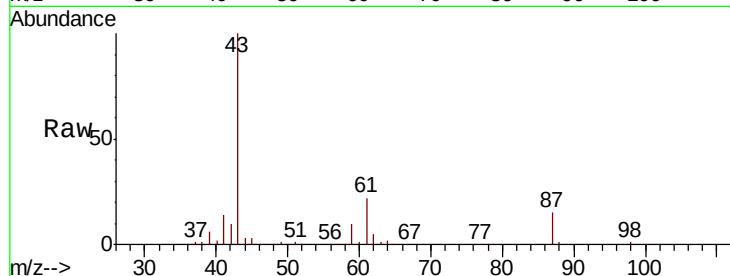
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	586451
Ion Ratio	Lower	Upper	
43	100		
61	31.3	25.0	37.6
87	14.8	11.8	17.8

Manual Integrations
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MMDadoda
9/11/2018 9:40:20 AM

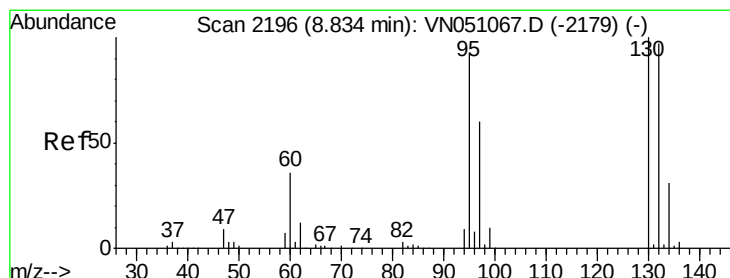
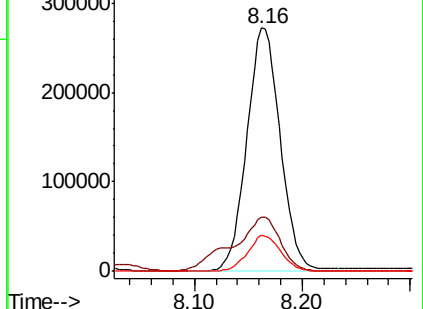
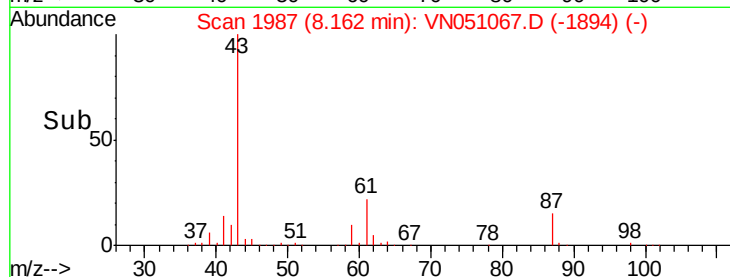


Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN051067.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN051067.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 48.55 ug/l

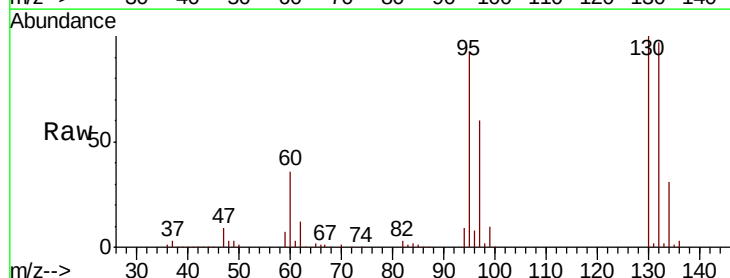
RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

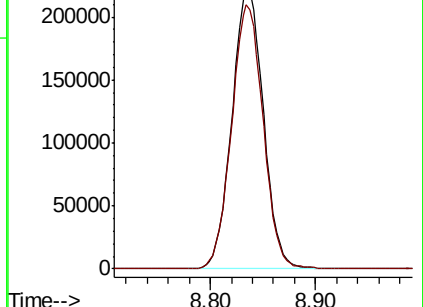
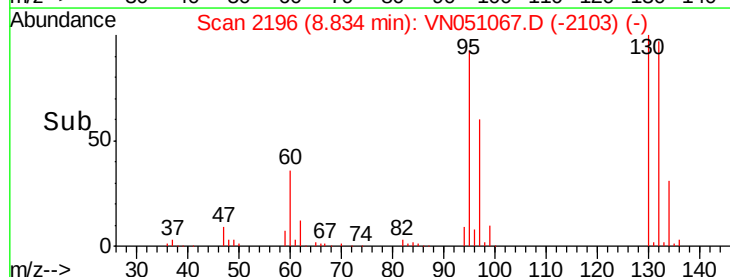
Tgt Ion:	130	Resp:	459965
Ion Ratio	Lower	Upper	
130	100		
95	93.1	0.0	186.2

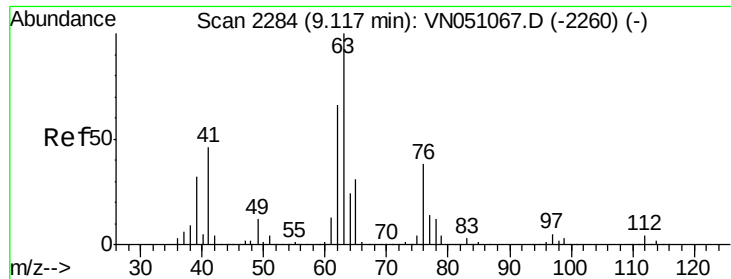


Abundance Ion 129.80 (129.50 to 130.50): VN051067.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN051067.D (-2179) (-)

Time-->





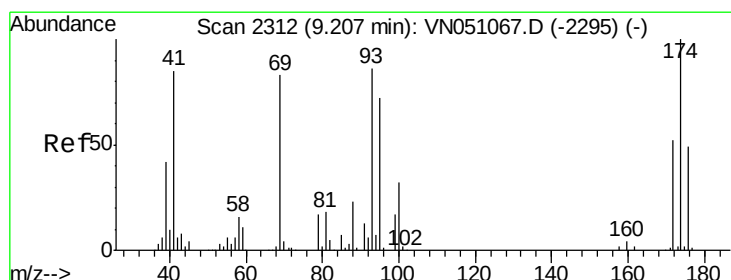
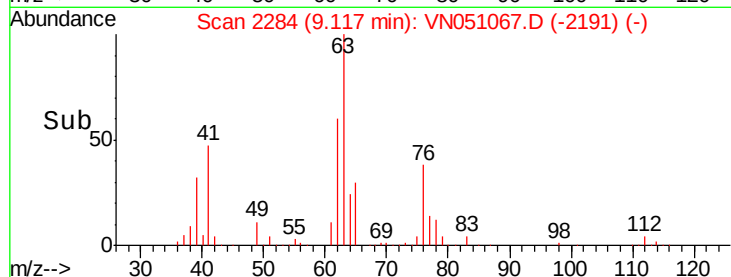
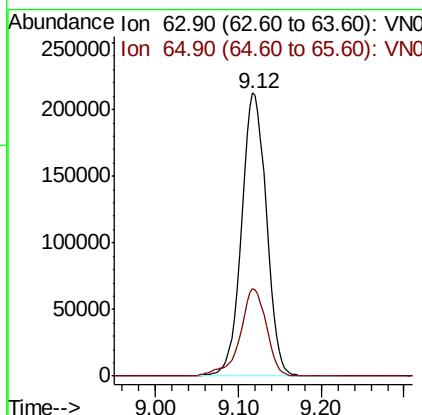
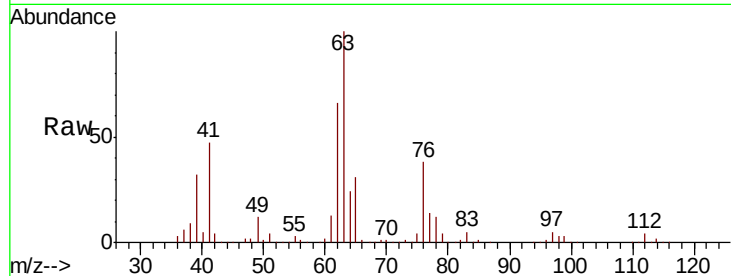
#45
 1,2-Dichloropropane
 Concen: 49.52 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 443219
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

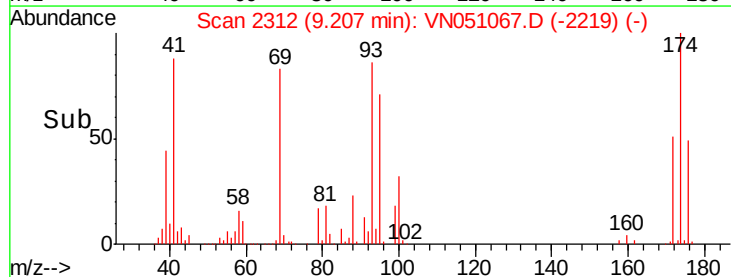
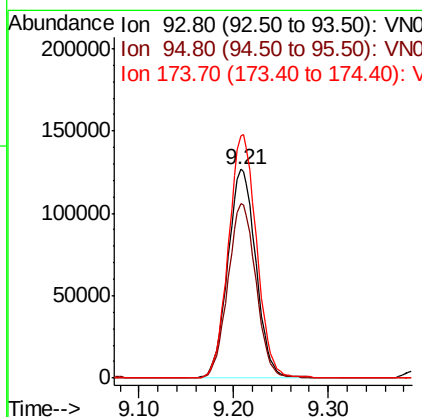
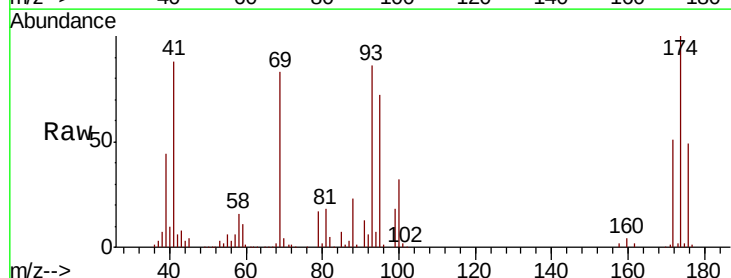
Manual Integrations
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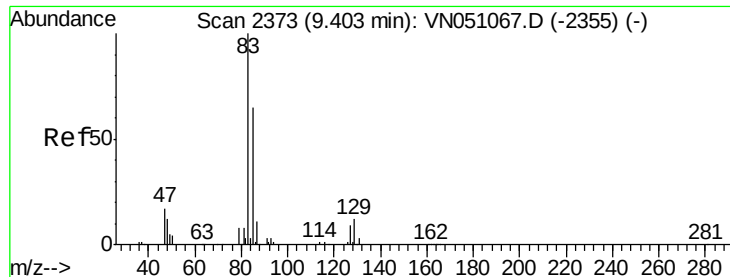
MMDadoda
 9/11/2018 9:40:20 AM



#46
 Dibromomethane
 Concen: 47.88 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 93 Resp: 261431
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.8 100.2
 174 116.6 93.3 139.9





#47

Bromodichloromethane

Concen: 49.99 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

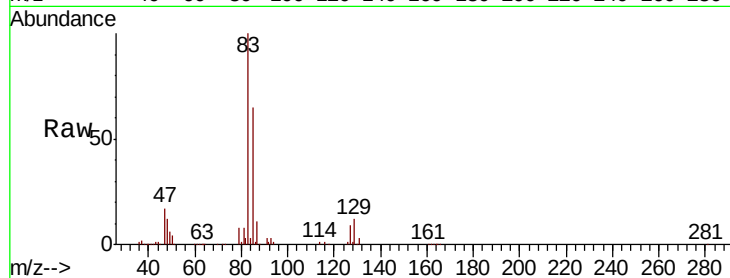
ClientSampleId :

VSTDICCC050

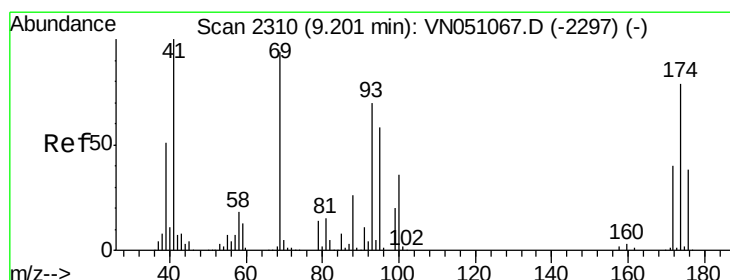
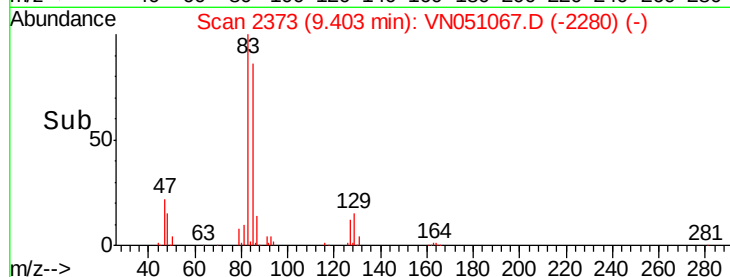
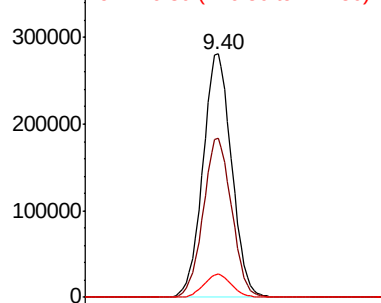
Tot Ion:	83	Resp:	555079
Ion	Ratio	Lower	Upper
83	100		
85	65.4	52.3	78.5
127	9.4	7.5	11.3

Manual Integrations
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MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-2355) (-)



#48

Methyl methacrylate

Concen: 50.92 ug/l

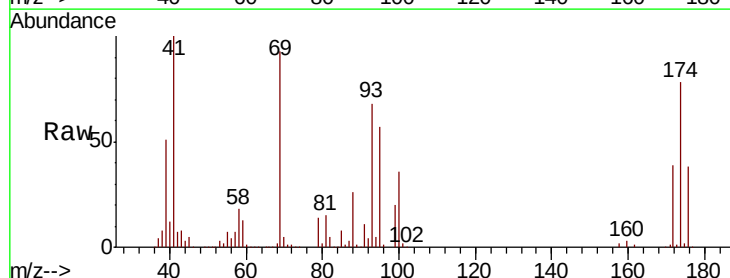
RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

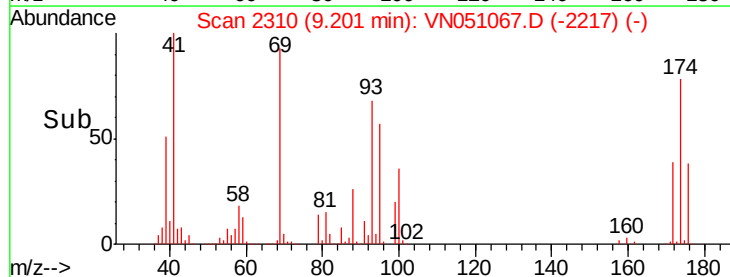
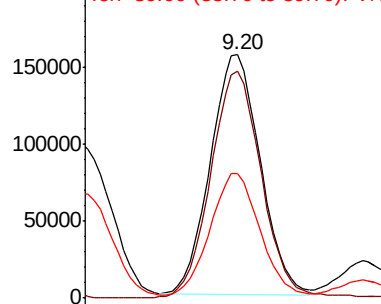
Lab File: VN051067.D

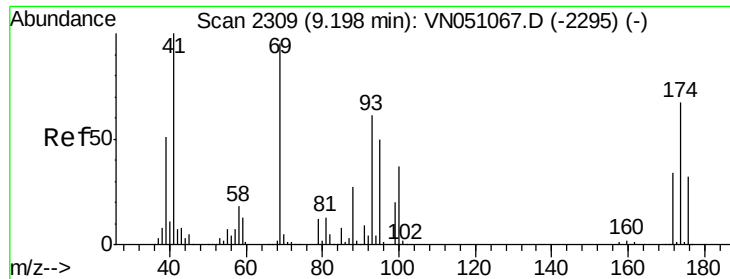
Acq: 10 Sep 2018 9:23

Tgt Ion:	41	Resp:	291485
Ion	Ratio	Lower	Upper
41	100		
69	97.1	77.7	116.5
39	52.0	41.6	62.4



Abundance Ion 41.00 (40.70 to 41.70): VN051067.D (-2297) (-)





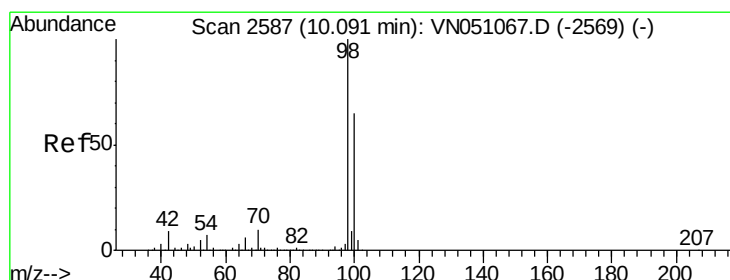
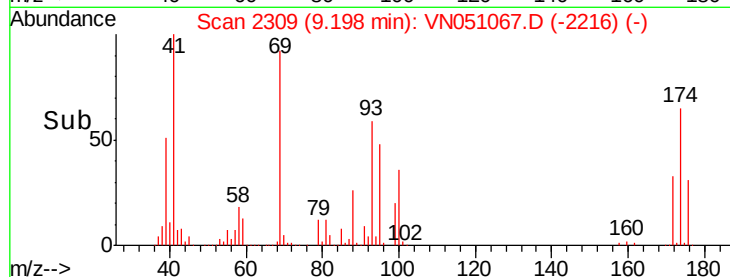
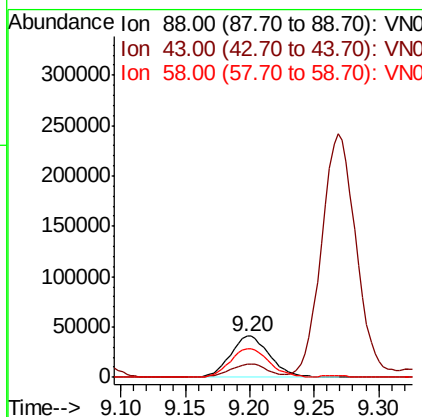
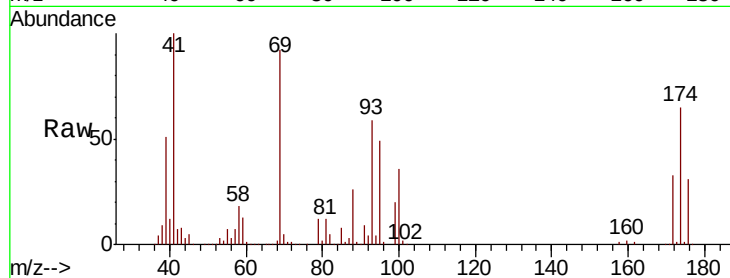
#49
 1,4-Dioxane
 Concen: 971.12 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	88	Resp	87167
Ion	Ratio	Lower	Upper
88	100		
43	29.6	23.7	35.5
58	68.3	54.6	82.0

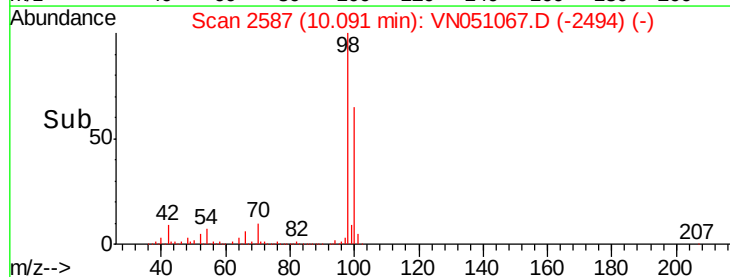
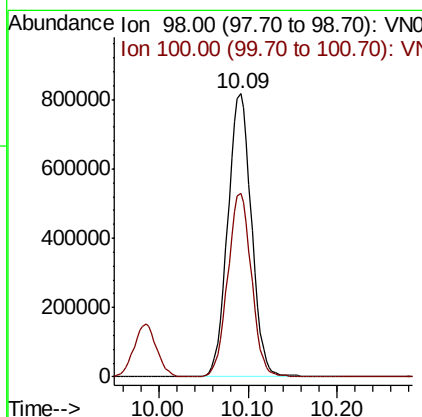
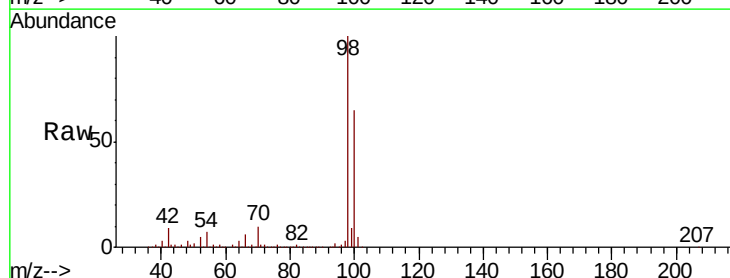
Manual Integrations
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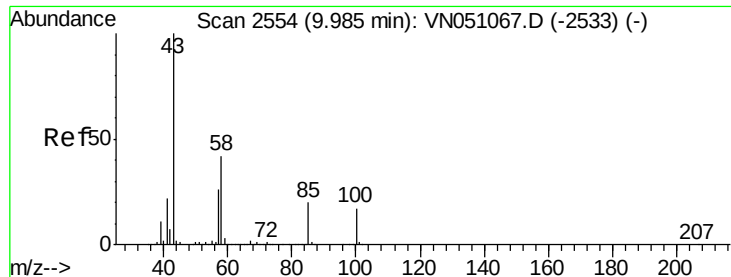
MMDadoda
 9/11/2018 9:40:20 AM



#50
 Toluene-d8
 Concen: 50.44 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	98	Resp	1505588
Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0





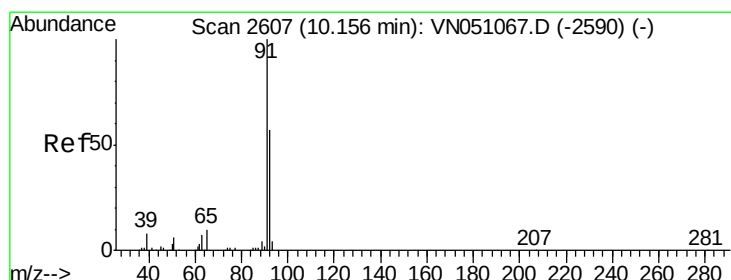
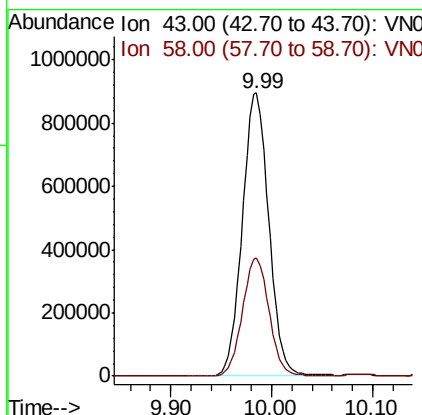
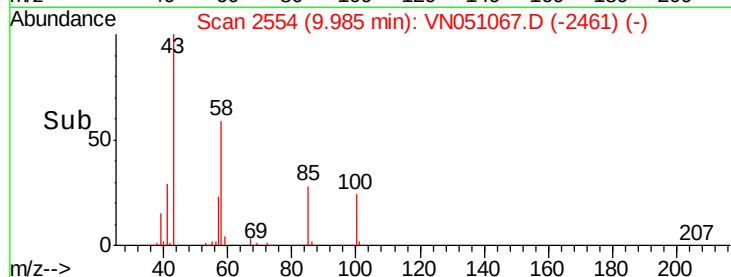
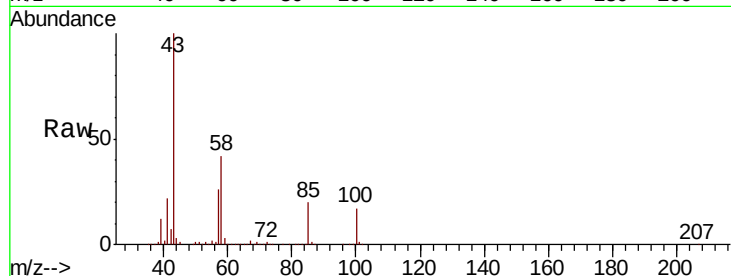
#51
4-Methyl-2-Pentanone
Concen: 250.06 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1624269
Ion Ratio Lower Upper
43 100
58 41.9 33.5 50.3

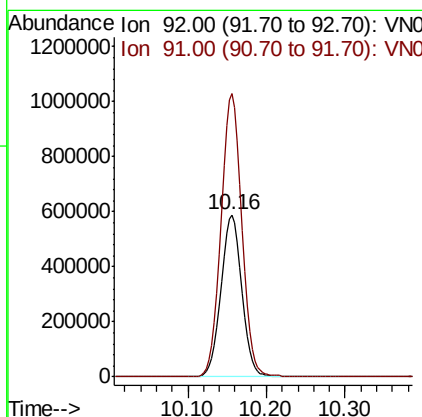
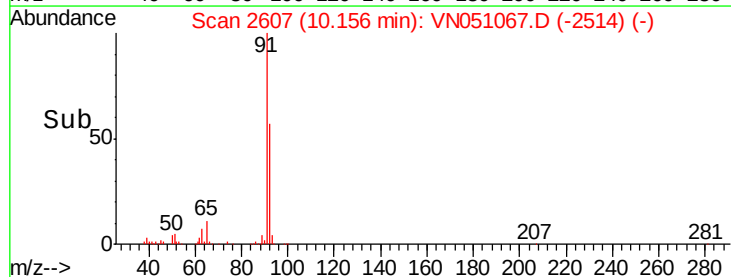
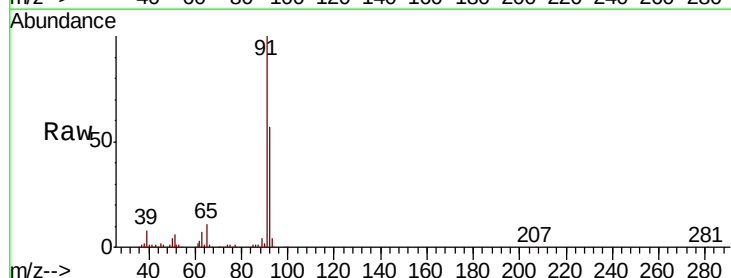
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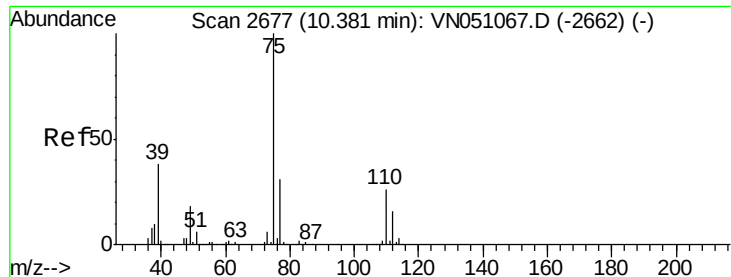
MMDadoda
9/11/2018 9:40:20 AM



#52
Toluene
Concen: 50.77 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 92 Resp: 1072189
Ion Ratio Lower Upper
92 100
91 174.4 139.5 209.3





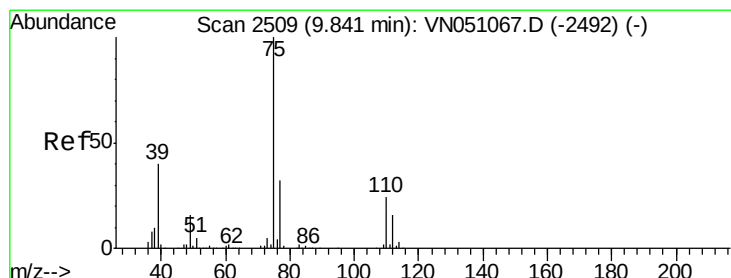
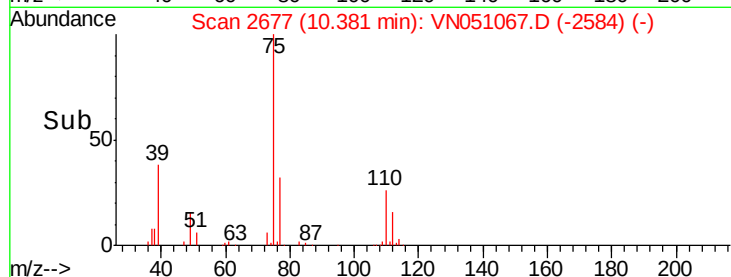
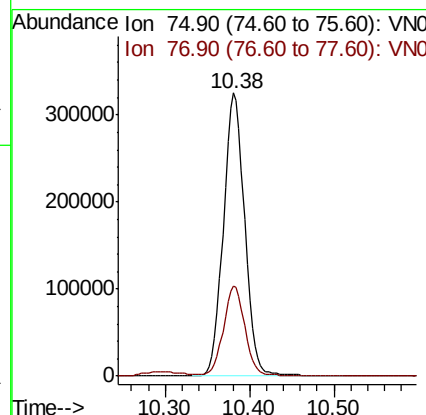
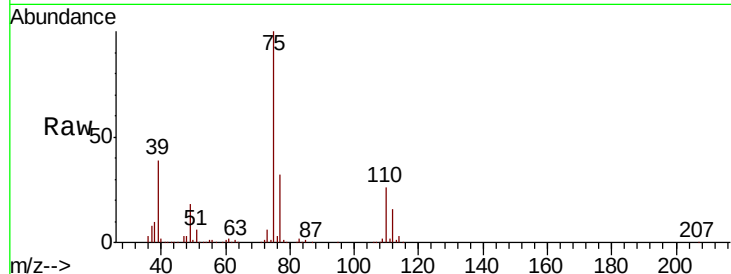
#53
t-1,3-Dichloropropene
Concen: 51.31 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.3	37.9

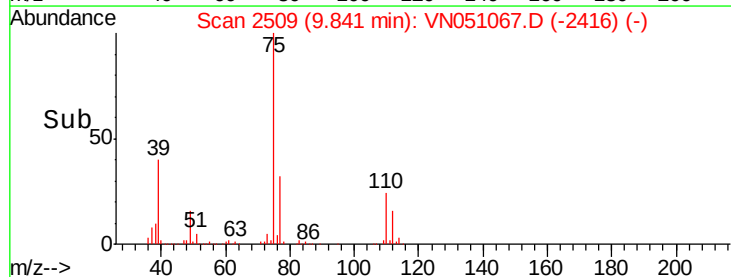
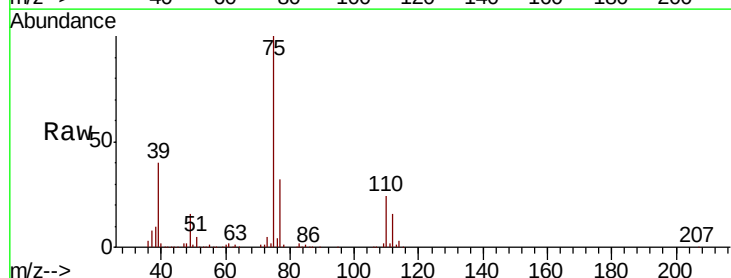
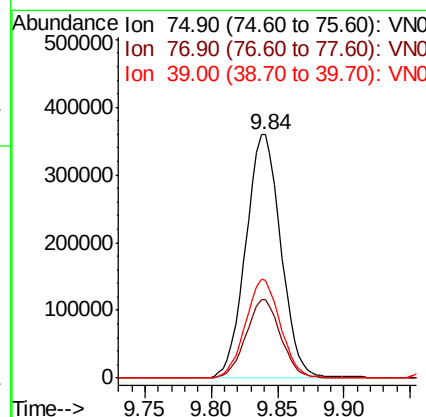
Manual Integrations
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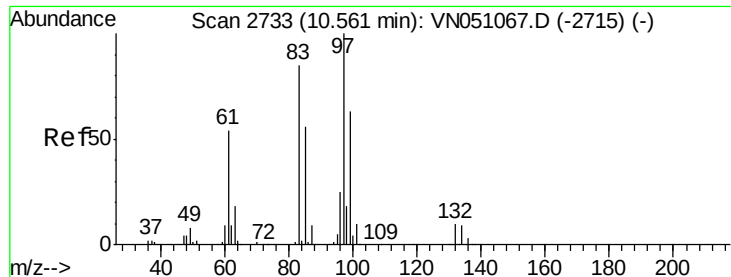
MMDadoda
9/11/2018 9:40:20 AM



#54
cis-1,3-Dichloropropene
Concen: 50.93 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	39.9	31.9	47.9





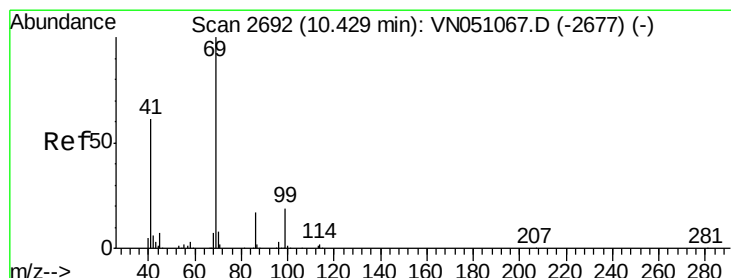
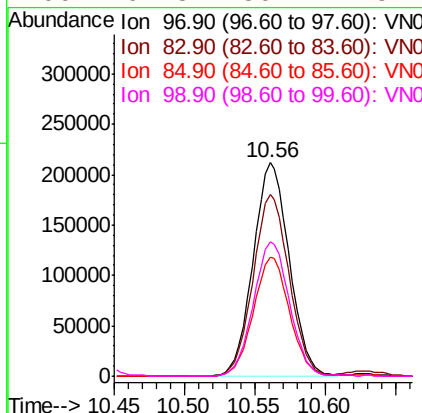
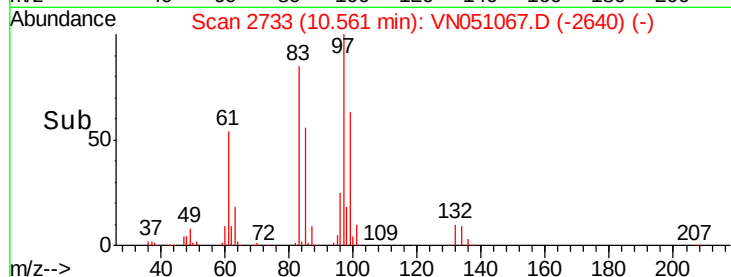
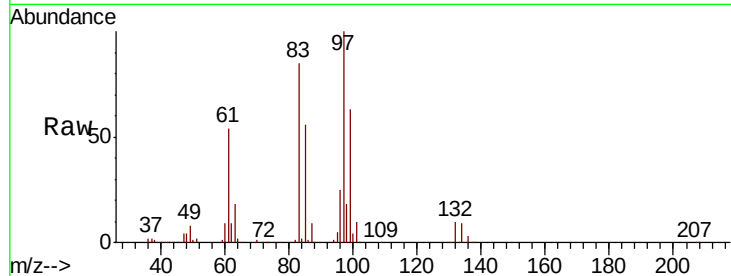
#55
 1,1,2-Trichloroethane
 Concen: 49.55 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion:	97	Resp:	380140
Ion	Ratio	Lower	Upper
97	100		
83	85.2	68.2	102.2
85	56.0	44.8	67.2
99	62.8	50.2	75.4

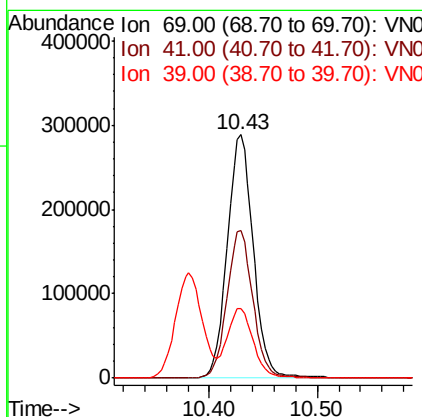
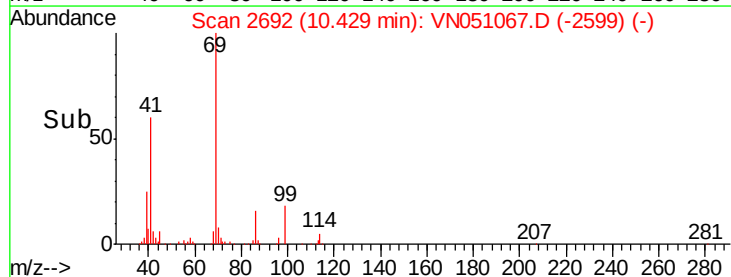
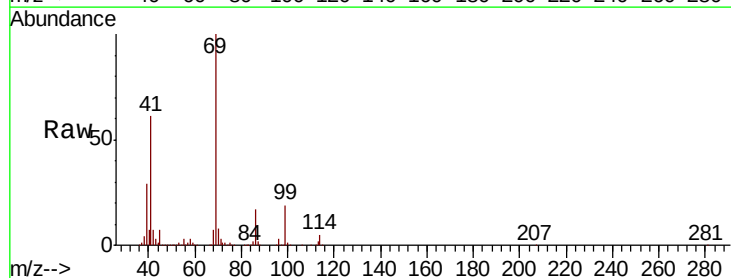
Manual Integrations
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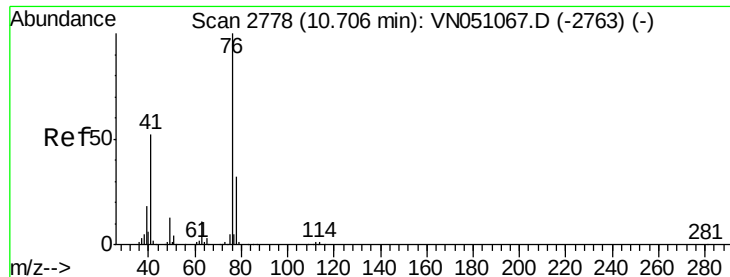
MMDadoda
 9/11/2018 9:40:20 AM



#56
 Ethyl methacrylate
 Concen: 52.85 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion:	69	Resp:	485252
Ion	Ratio	Lower	Upper
69	100		
41	59.8	47.8	71.8
39	28.7	23.0	34.4





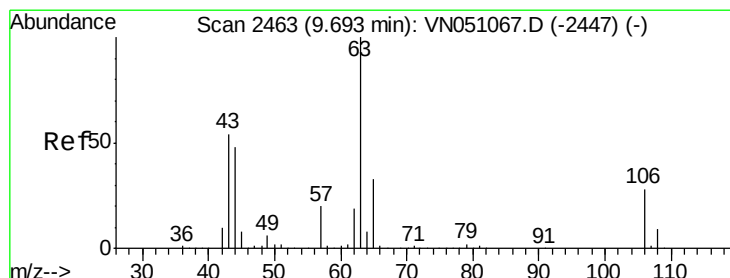
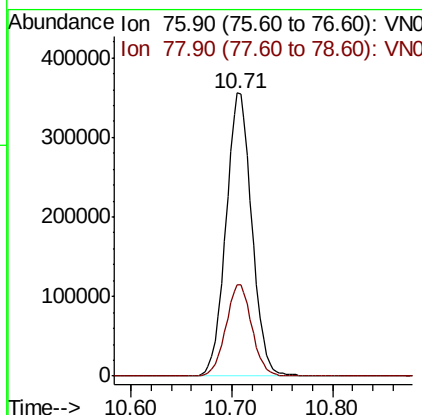
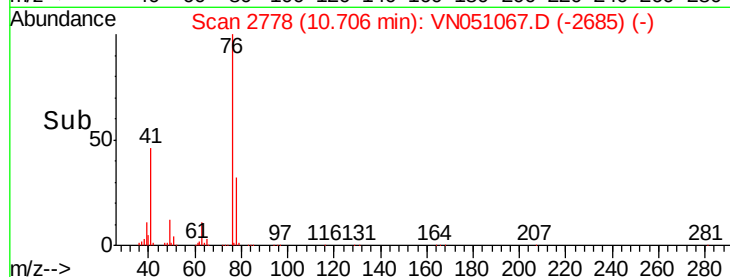
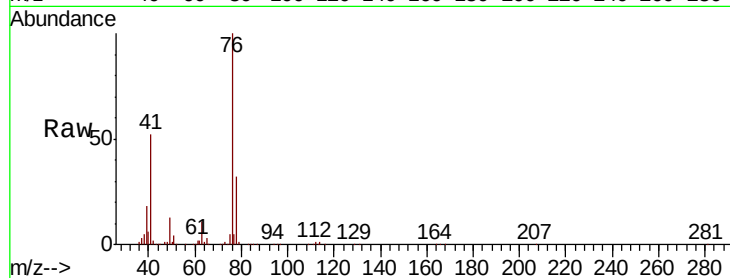
#57
 1,3-Dichloropropane
 Concen: 50.03 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.1	39.1

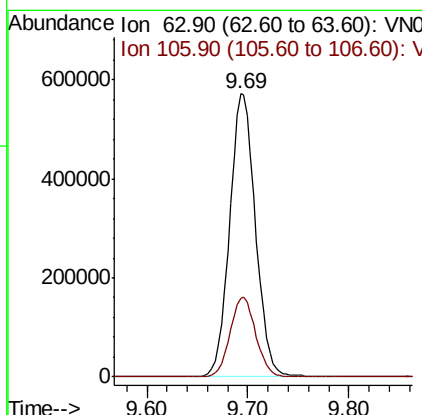
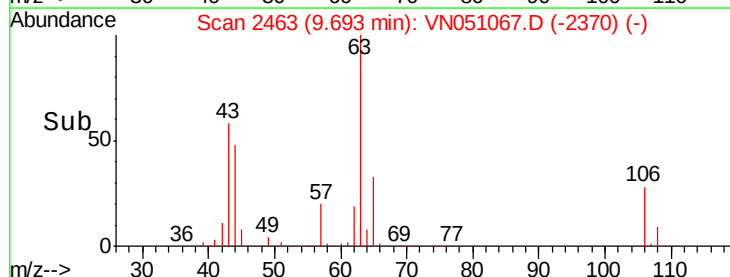
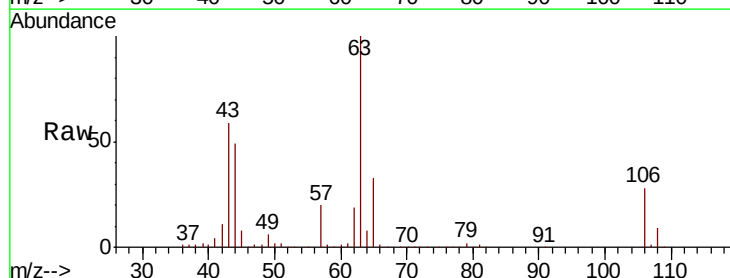
Manual Integrations
 APPROVED

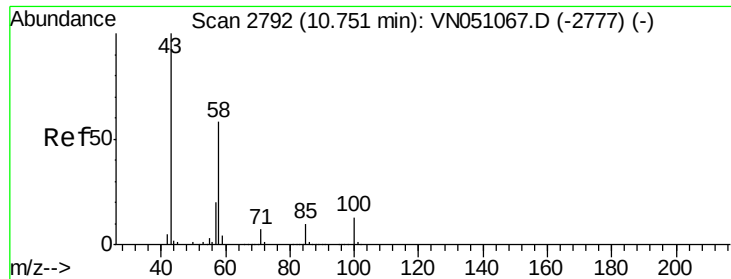
MMDadoda
 9/11/2018 9:40:20 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 271.87 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.5	33.7





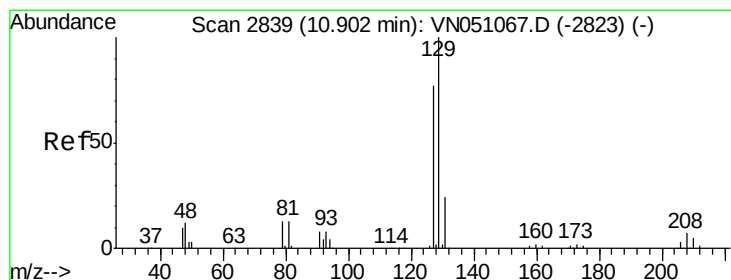
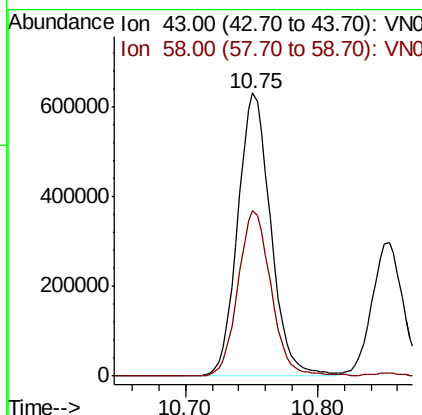
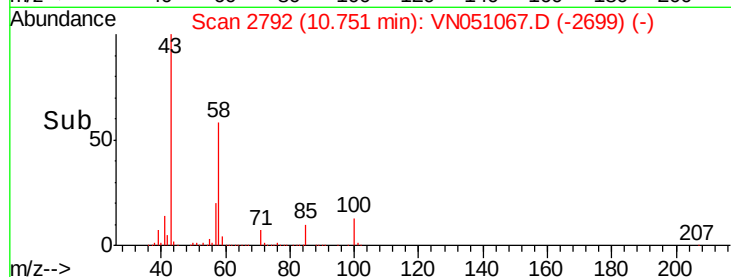
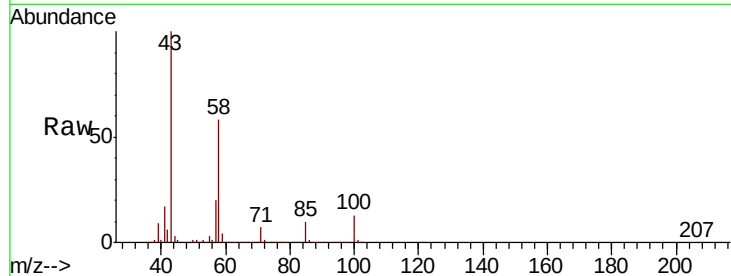
#59
2-Hexanone
Concen: 247.37 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 1089702
Ion Ratio Lower Upper
43 100
58 58.7 29.3 88.0

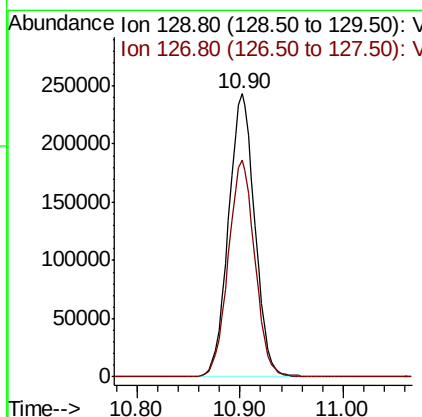
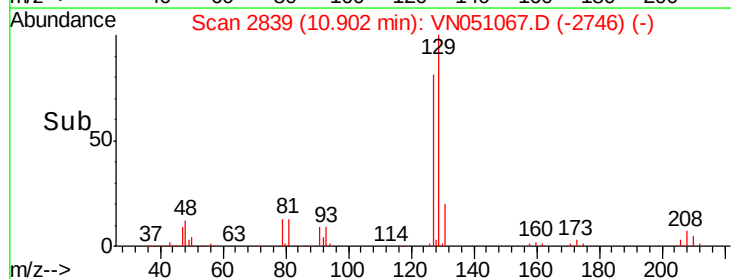
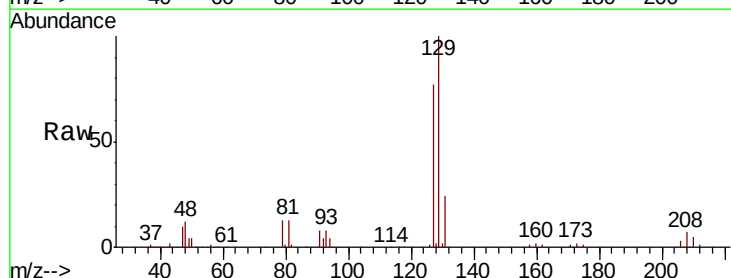
Manual Integrations
APPROVED

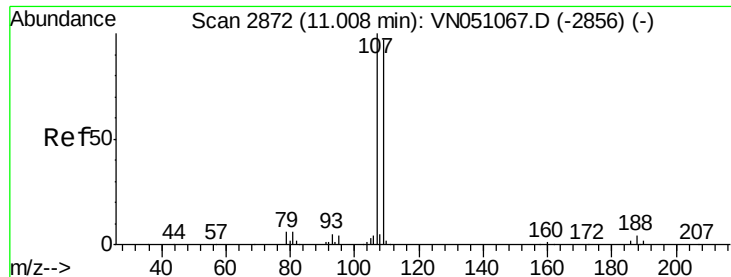
MMDadoda
9/11/2018 9:40:20 AM



#60
Dibromochloromethane
Concen: 50.03 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 129 Resp: 432626
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5





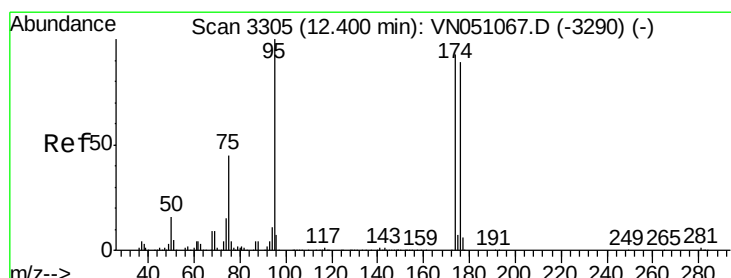
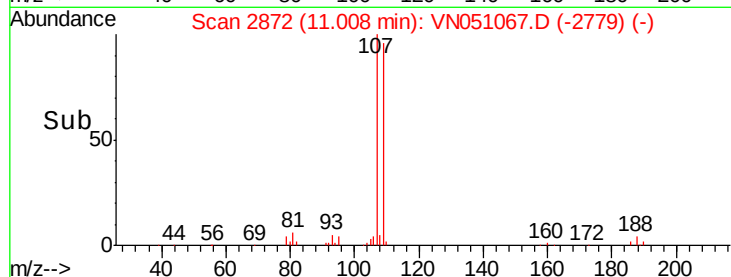
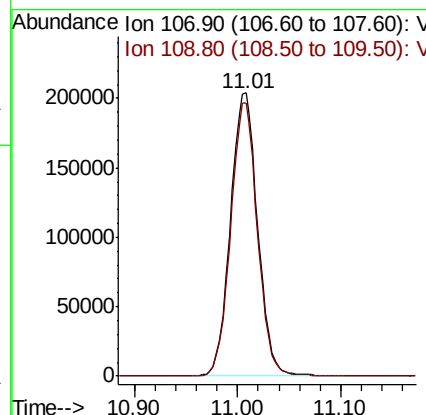
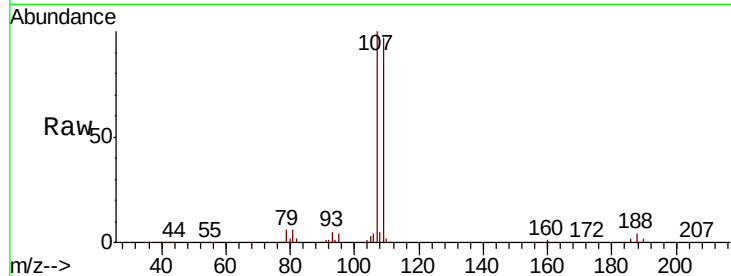
#61
 1,2-Dibromoethane
 Concen: 49.91 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion: 107 Resp: 374263
 Ion Ratio Lower Upper
 107 100
 109 95.0 76.0 114.0

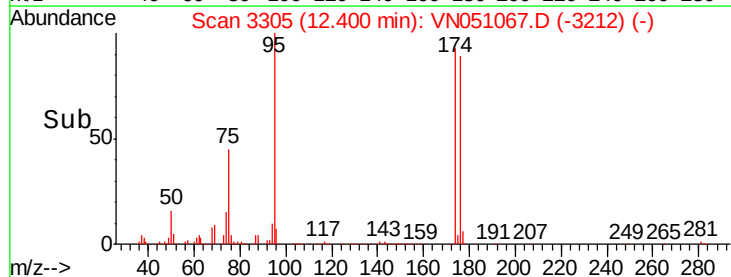
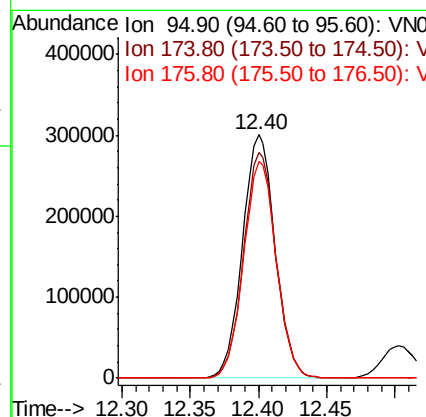
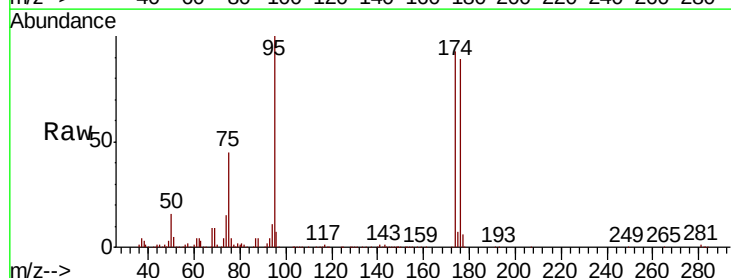
Manual Integrations
 APPROVED

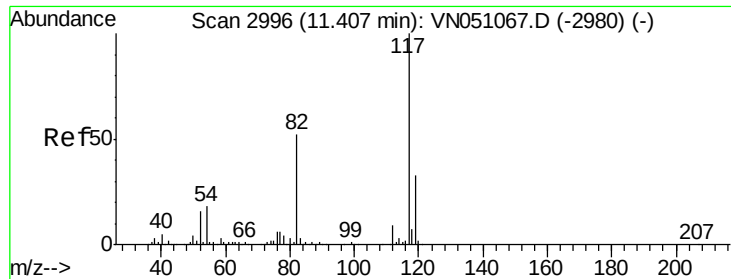
MMDadoda
 9/11/2018 9:40:20 AM



#62
 4-Bromofluorobenzene
 Concen: 50.44 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion: 95 Resp: 498061
 Ion Ratio Lower Upper
 95 100
 174 92.4 0.0 184.8
 176 89.3 0.0 178.6





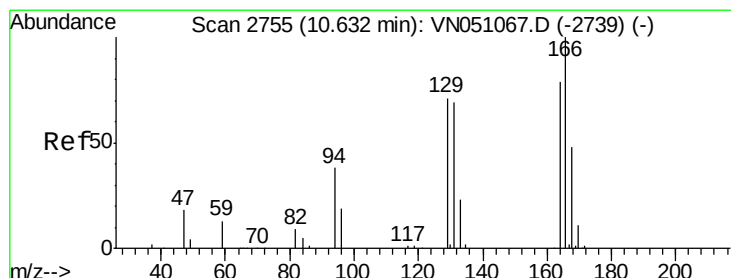
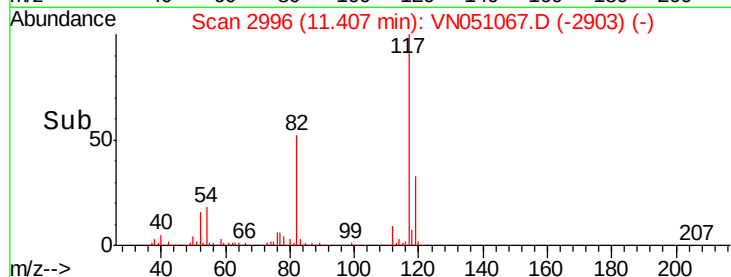
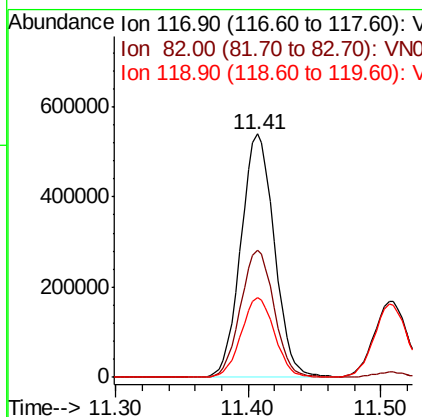
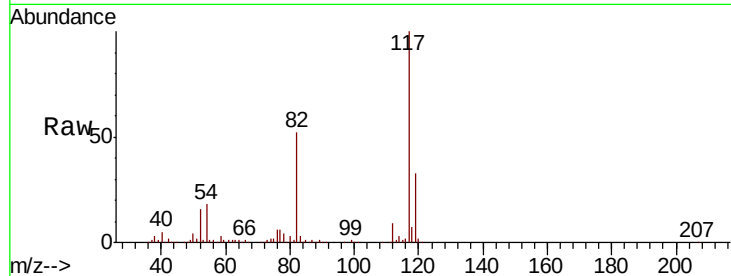
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	946210		
82	52.2		41.8	62.6
119	32.7		26.2	39.2

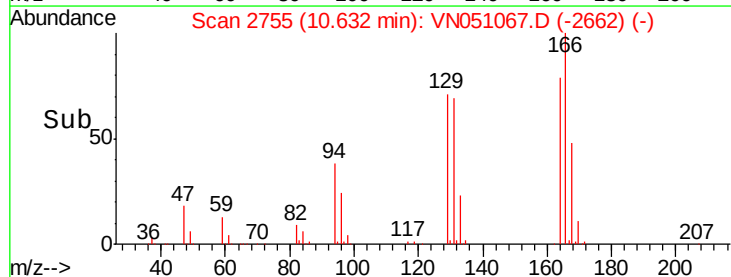
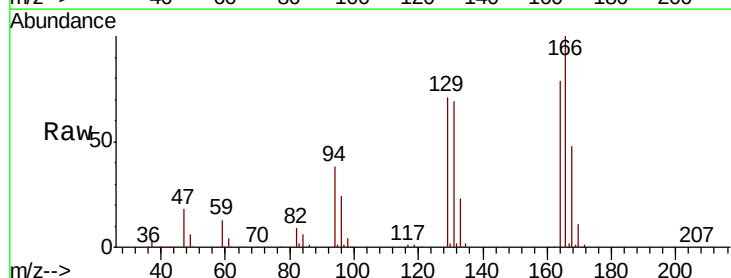
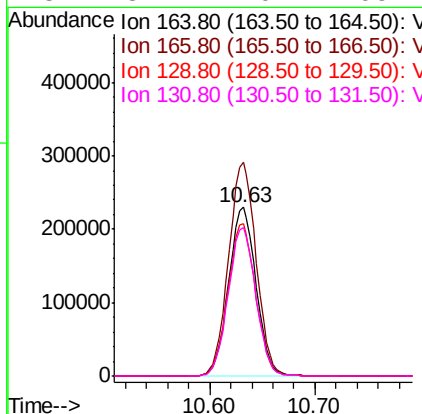
Manual Integrations
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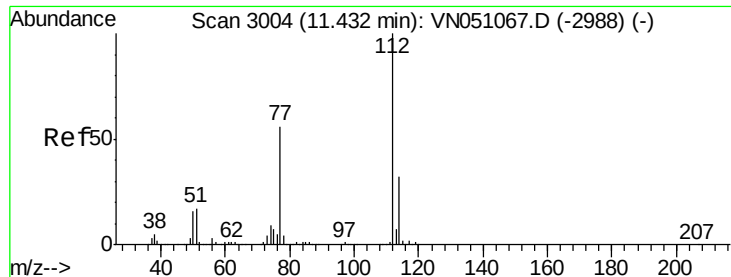
MMDadoda
9/11/2018 9:40:20 AM



#64
Tetrachloroethene
Concen: 47.87 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	413306		
166	126.6		101.3	151.9
129	90.2		72.2	108.2
131	87.7		70.2	105.2





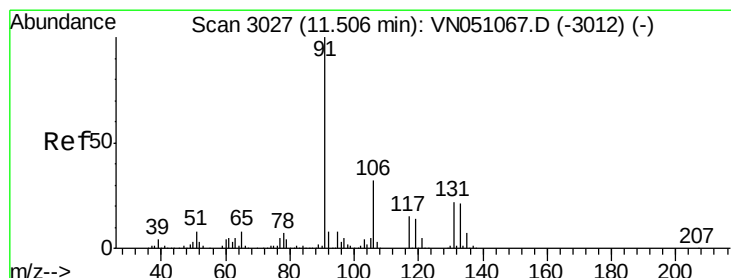
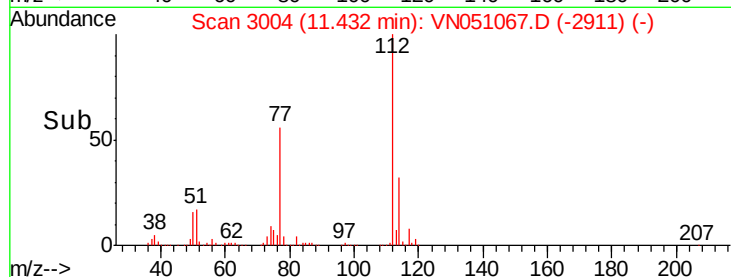
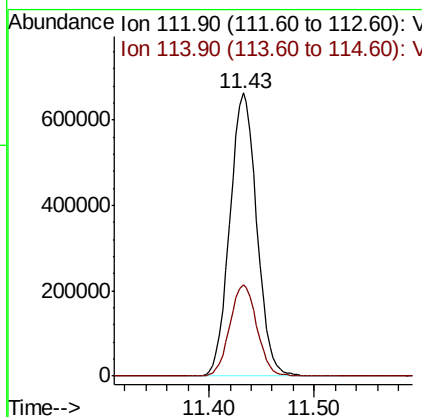
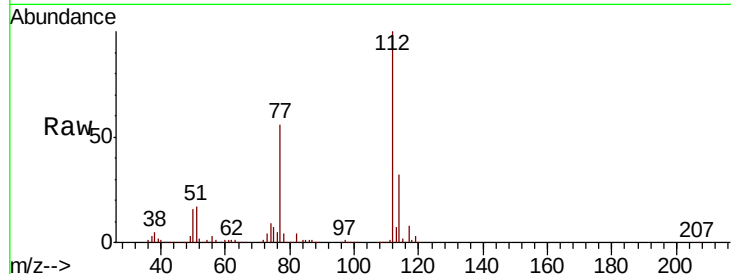
#65
Chlorobenzene
Concen: 49.04 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion:112 Resp: 1169598
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.6

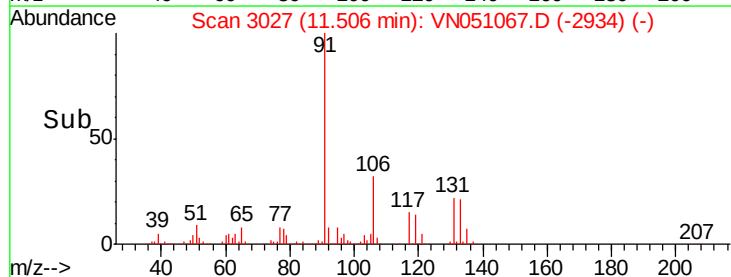
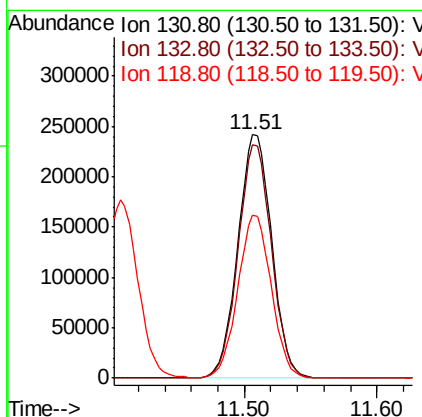
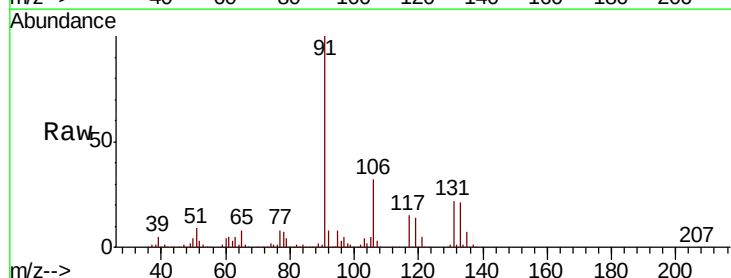
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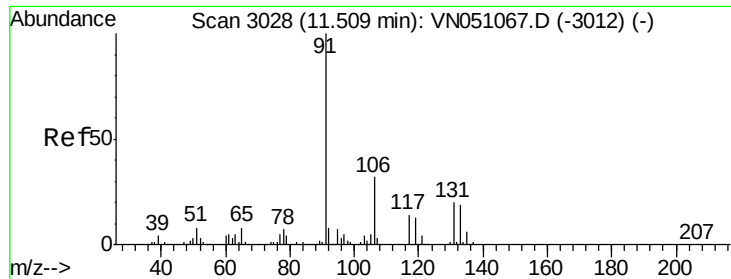
MMDadoda
9/11/2018 9:40:20 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.68 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion:131 Resp: 426635
Ion Ratio Lower Upper
131 100
133 95.1 47.5 142.6
119 66.4 33.2 99.6





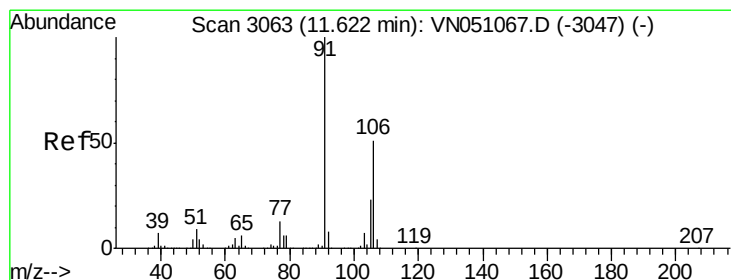
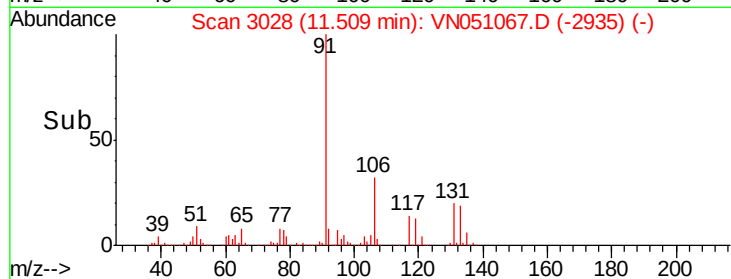
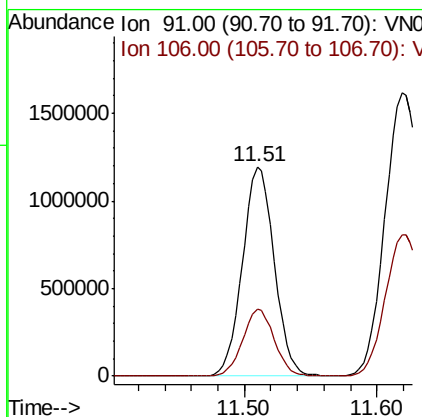
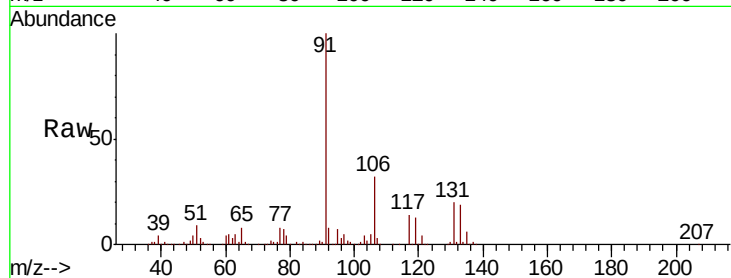
#67
Ethyl Benzene
Concen: 51.54 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1990825
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

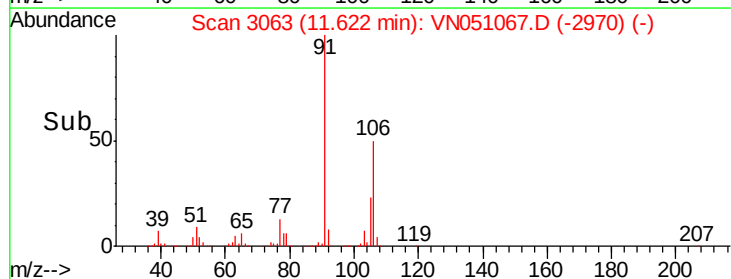
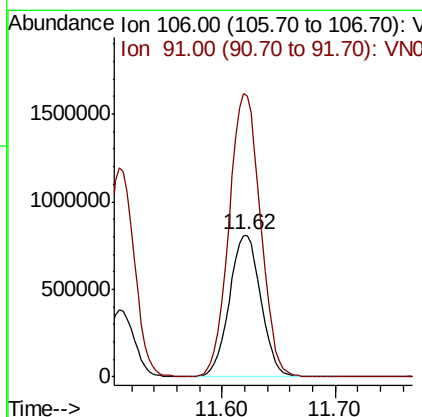
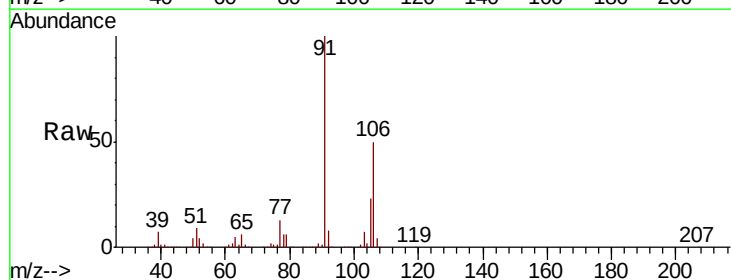
Manual Integrations
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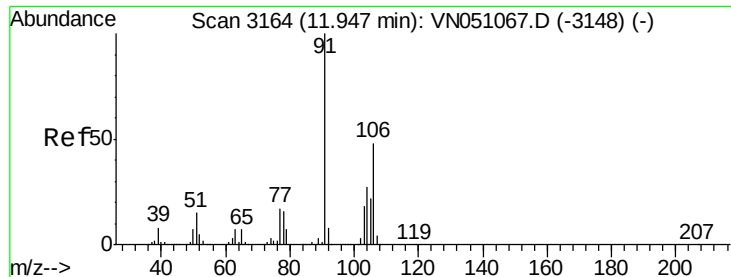
MMDadoda
9/11/2018 9:40:20 AM



#68
m/p-Xylenes
Concen: 105.35 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 106 Resp: 1563409
Ion Ratio Lower Upper
106 100
91 199.7 159.8 239.6





#69

o-Xylene

Concen: 52.29 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:106 Resp: 751468

Ion Ratio Lower Upper

106 100

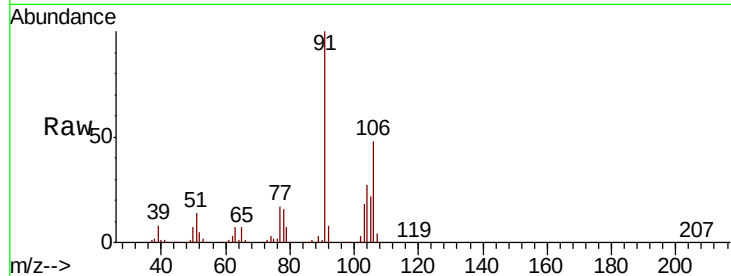
91 210.1 105.1 315.1

Manual Integrations

APPROVED

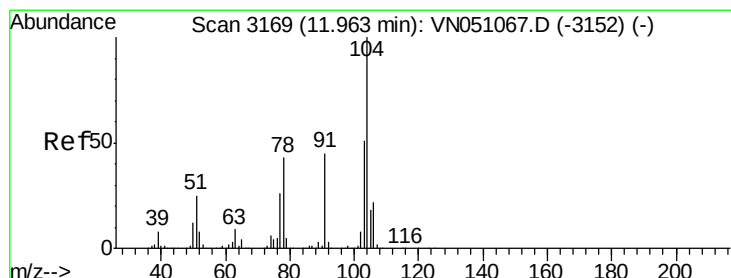
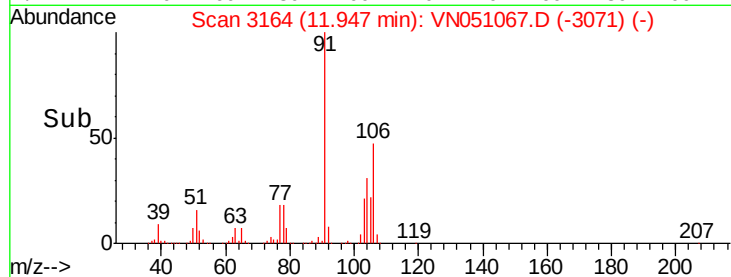
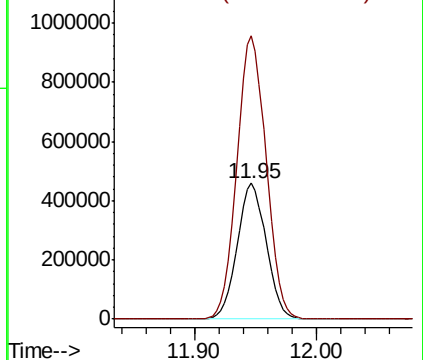
MMDadoda

9/11/2018 9:40:20 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 54.32 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

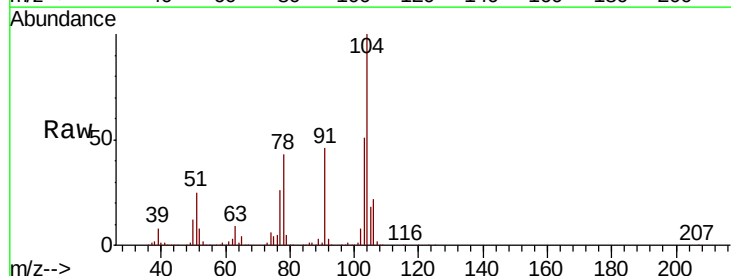
Tgt Ion:104 Resp: 1210922

Ion Ratio Lower Upper

104 100

78 47.1 37.7 56.5

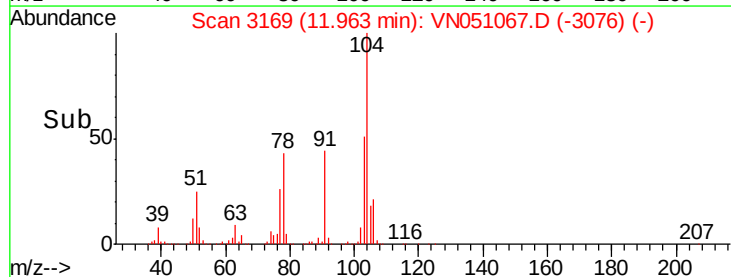
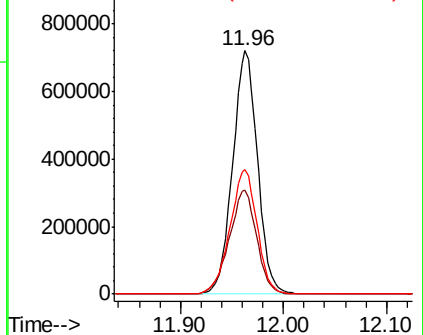
103 55.8 44.6 67.0

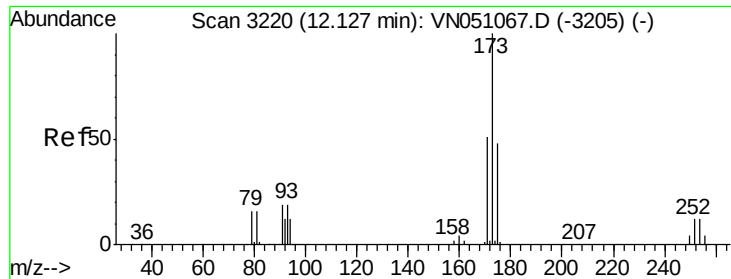


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





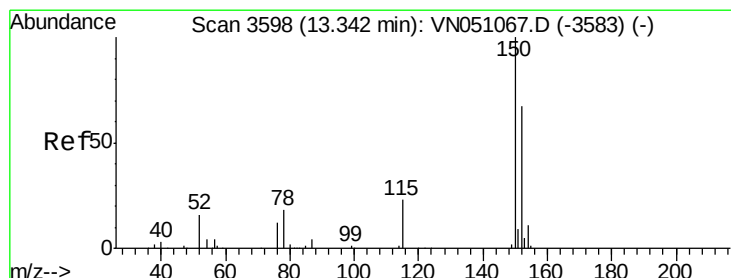
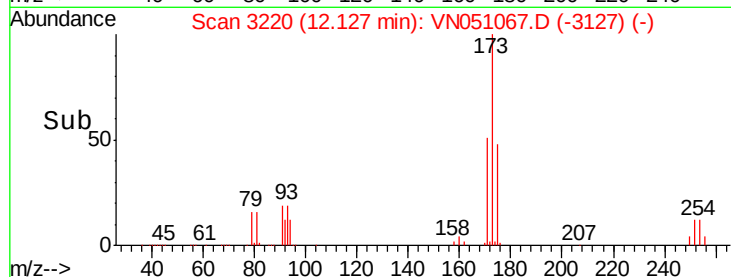
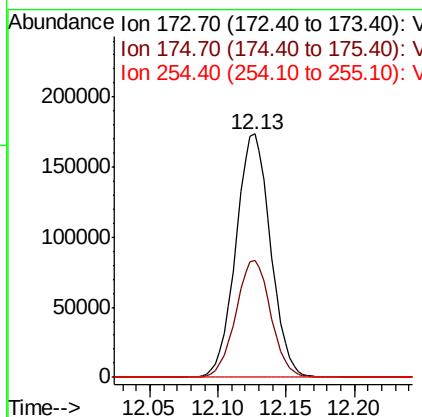
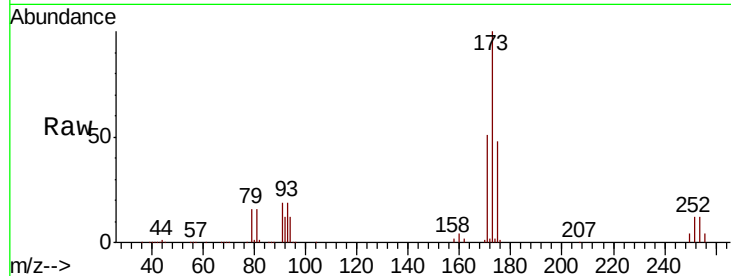
#71
Bromoform
Concen: 50.56 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.3	72.9
254	0.0	0.0	0.0

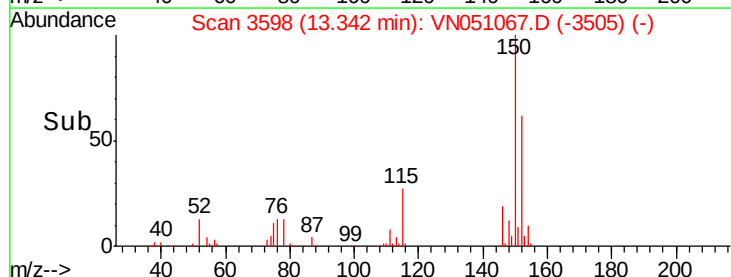
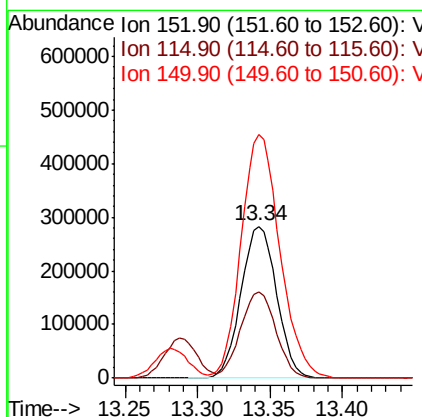
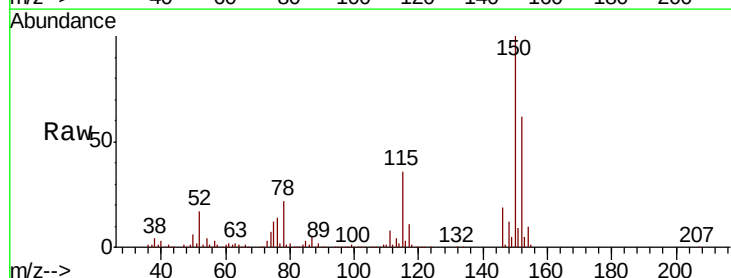
Manual Integrations
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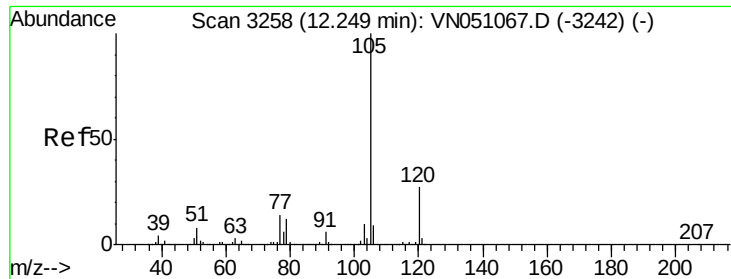
MMDadoda
9/11/2018 9:40:20 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.2	84.7
150	174.5	0.0	349.0





#73

Isopropylbenzene

Concen: 48.68 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1972079

Ion Ratio Lower Upper

105 100

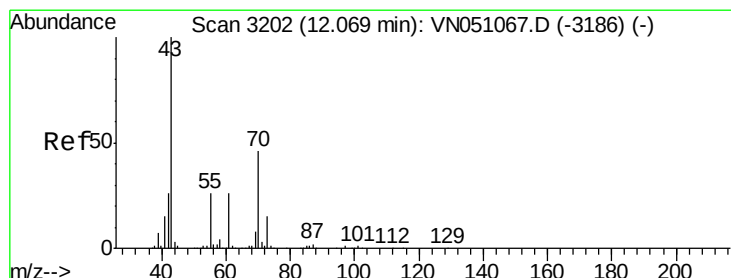
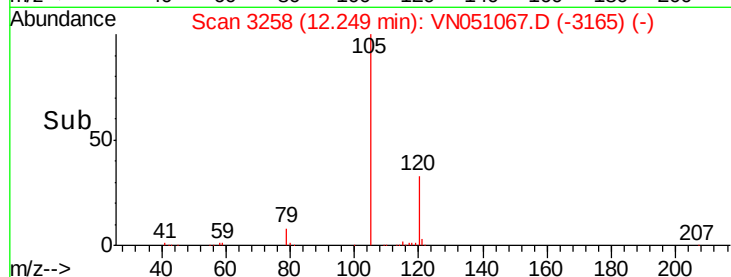
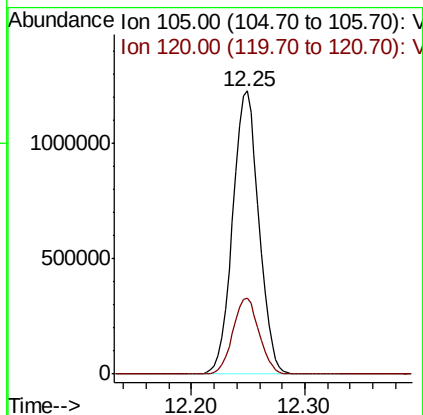
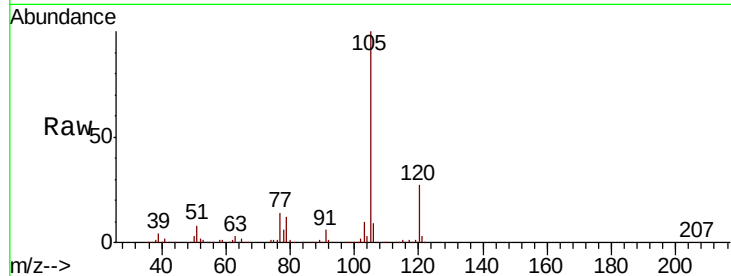
120 27.1 13.6 40.7

Manual Integrations

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MMDadoda

9/11/2018 9:40:20 AM



#74

N-ethyl acetate

Concen: 48.50 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Tgt Ion: 43 Resp: 494453

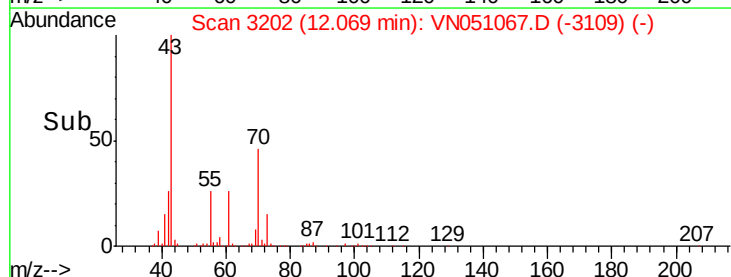
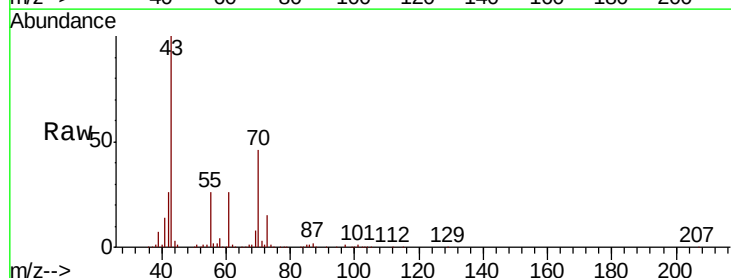
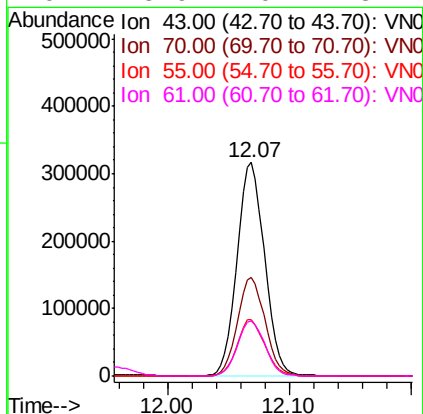
Ion Ratio Lower Upper

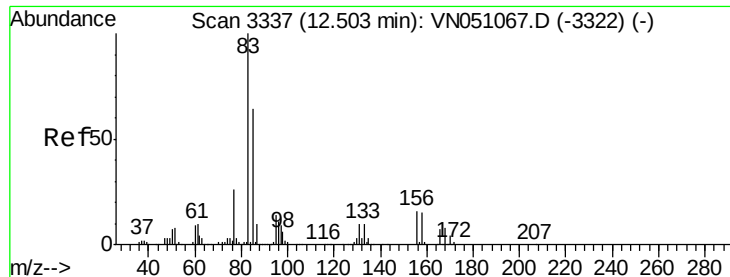
43 100

70 46.2 37.0 55.4

55 26.6 21.3 31.9

61 25.9 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 43.35 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 83 Resp: 467582

Ion Ratio Lower Upper

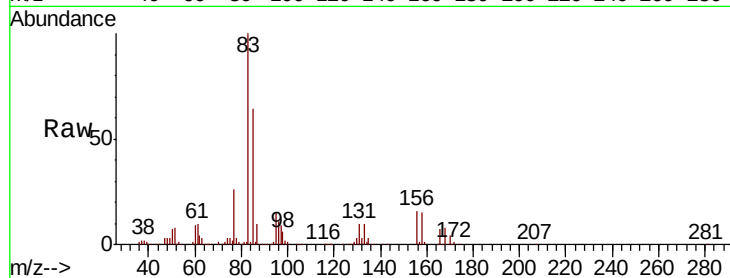
83 100

131 10.7 5.3 16.1

85 64.5 32.3 96.8

Manual Integrations
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MMDadoda
9/11/2018 9:40:20 AM

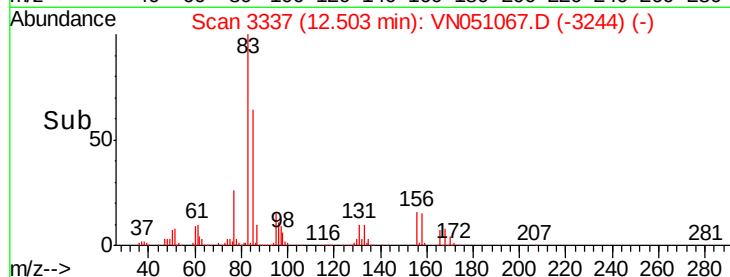


Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051067.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-3322) (-)

Time-->

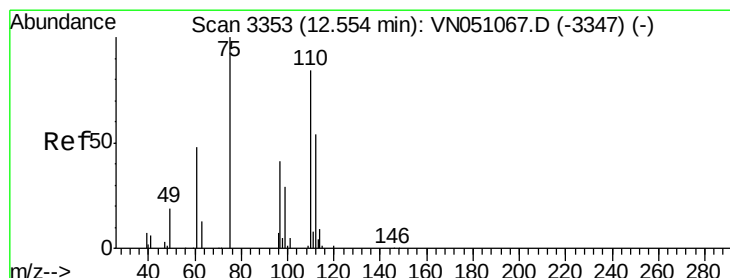


Abundance Ion 82.90 (82.60 to 83.60): VN051067.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN051067.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN051067.D (-3322) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 45.17 ug/l m

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051067.D

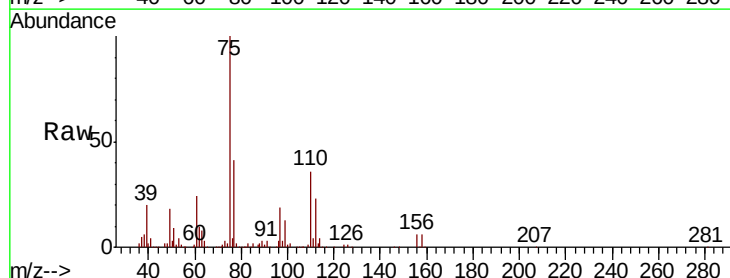
Acq: 10 Sep 2018 9:23

Tgt Ion: 75 Resp: 362866

Ion Ratio Lower Upper

75 100

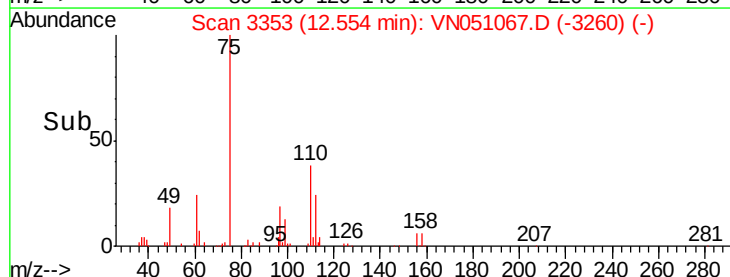
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051067.D (-3353) (-)

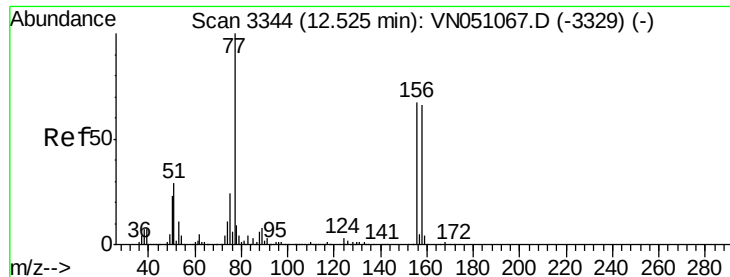
Time-->



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3353) (-)

Ion 77.00 (76.70 to 77.70): VN051067.D (-3353) (-)

Time-->



#77

Bromobenzene

Concen: 46.37 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

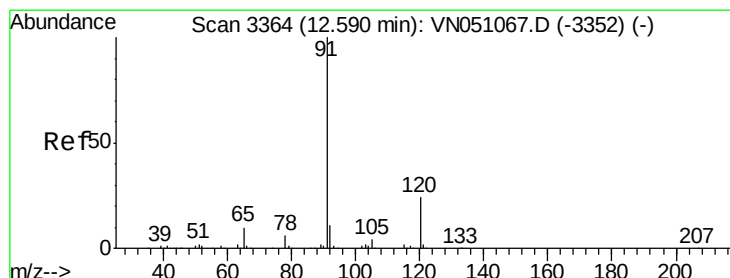
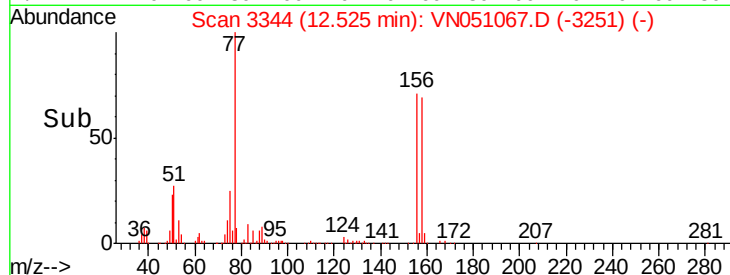
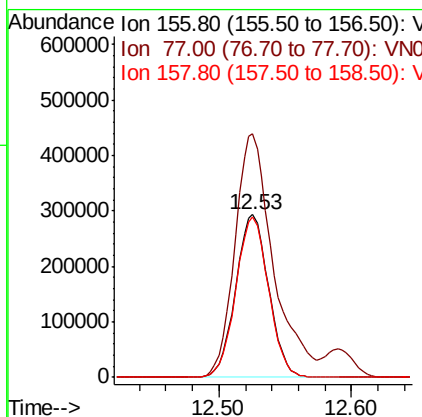
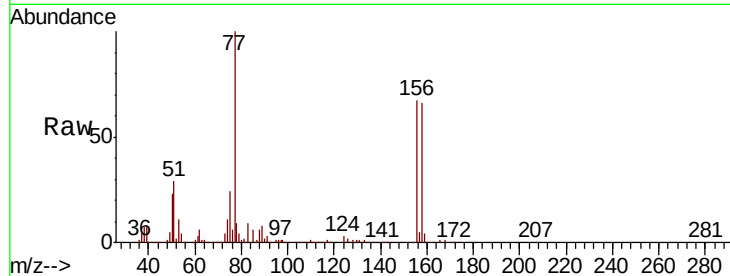
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	504544
Ion Ratio	Lower	Upper	
156	100		
77	175.1	87.5	262.6
158	98.1	49.0	147.2

Manual Integrations
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#78

n-propylbenzene

Concen: 49.55 ug/l

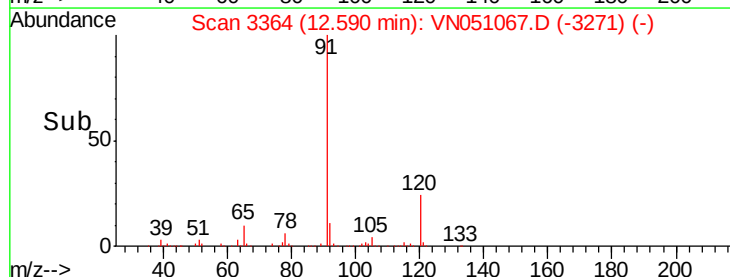
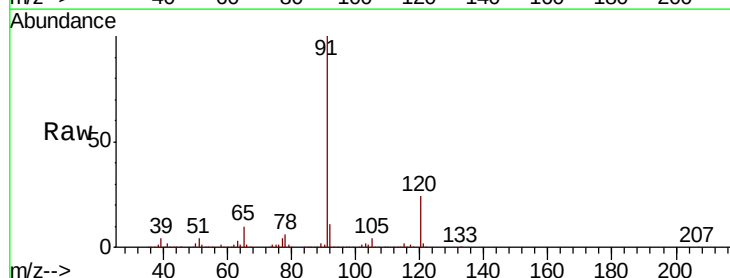
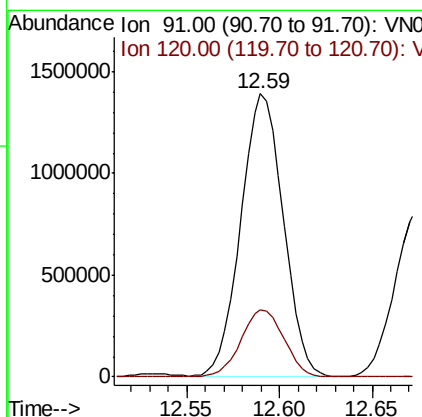
RT: 12.59 min Scan# 3364

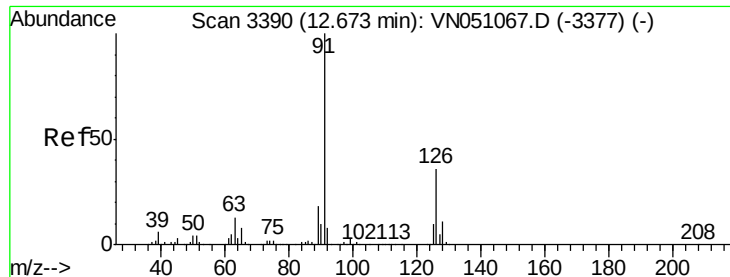
Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Tgt Ion:	91	Resp:	2206498
Ion Ratio	Lower	Upper	
91	100		
120	24.0	12.0	36.0





#79

2-Chlorotoluene

Concen: 47.51 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 1322260

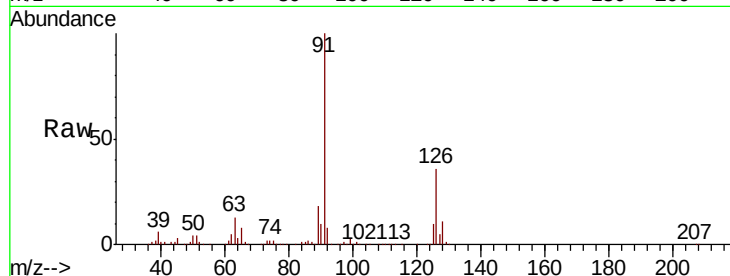
Ion Ratio Lower Upper

91 100

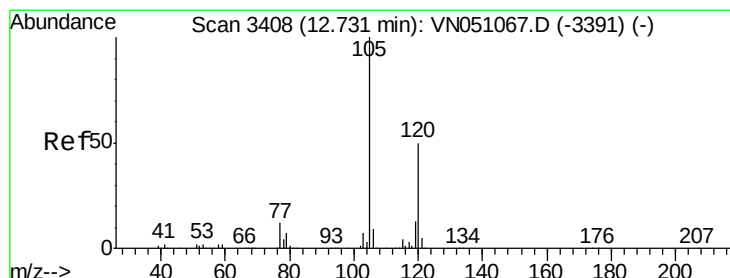
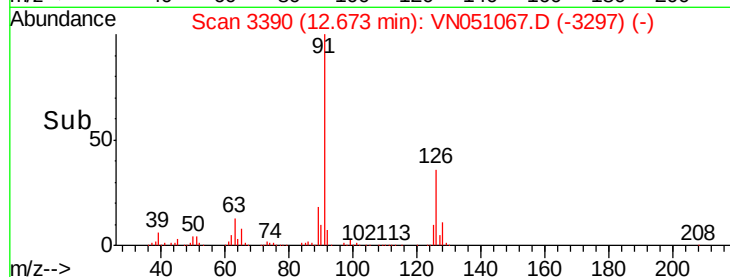
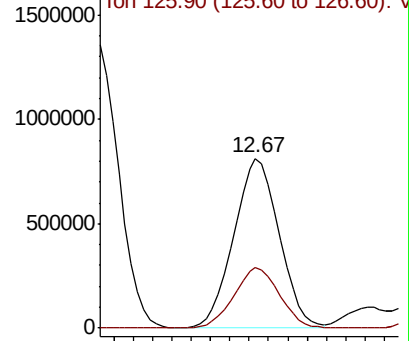
126 35.8 17.9 53.7

Manual Integrations
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Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 49.66 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN051067.D

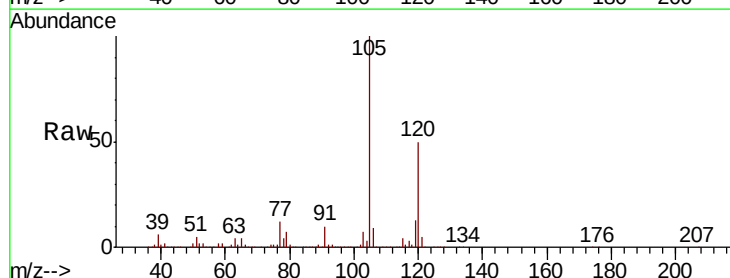
Acq: 10 Sep 2018 9:23

Tgt Ion:105 Resp: 1626669

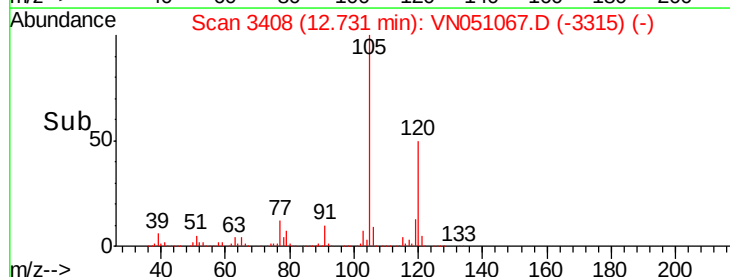
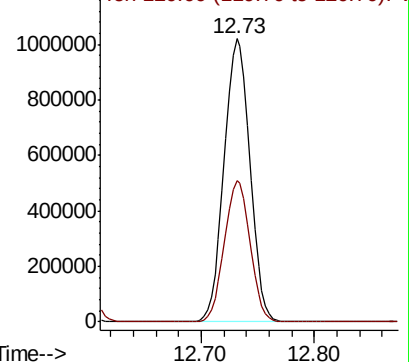
Ion Ratio Lower Upper

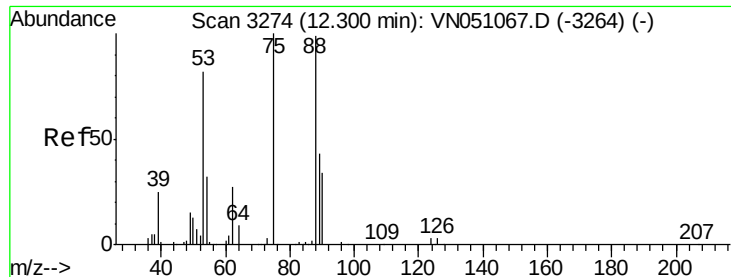
105 100

120 49.7 24.9 74.6



Abundance Ion 105.00 (104.70 to 105.70): VN051067.D (-3391) (-)





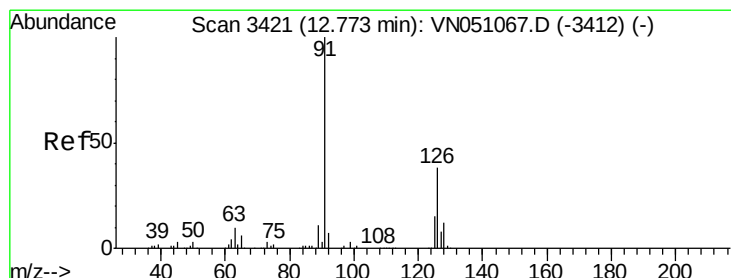
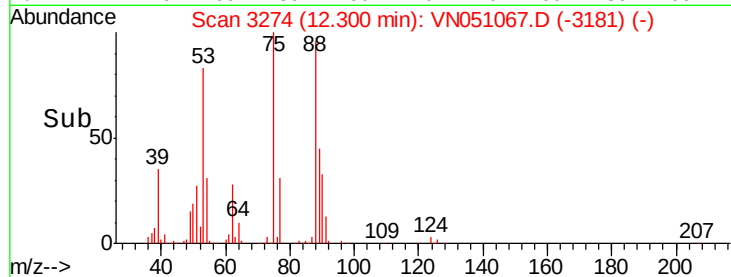
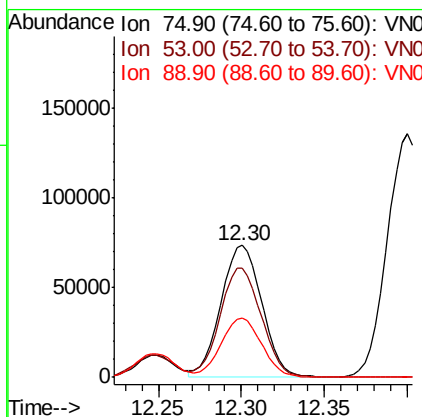
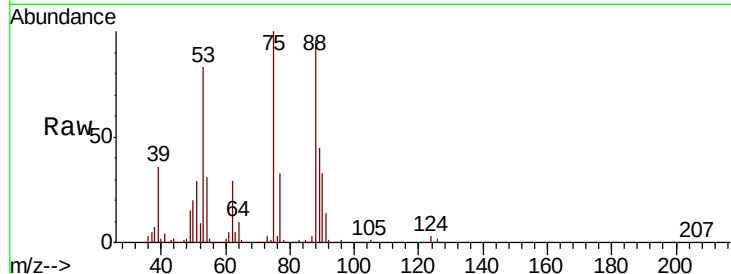
#81
trans-1,4-Dichloro-2-butene
Concen: 49.23 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.8	67.8	101.8
89	45.0	36.0	54.0

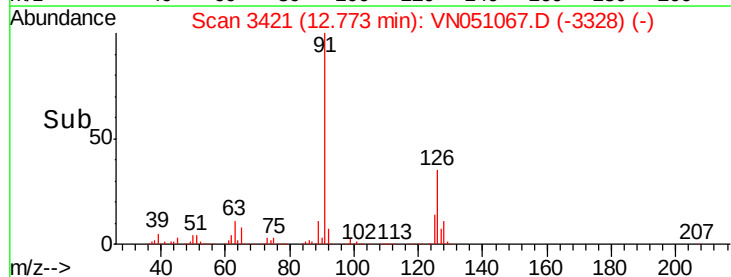
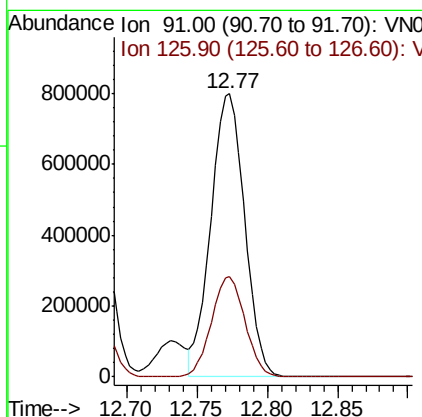
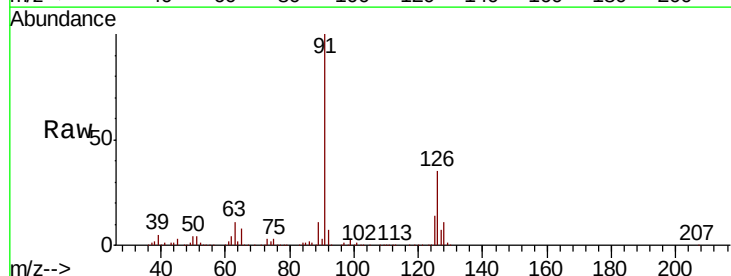
Manual Integrations
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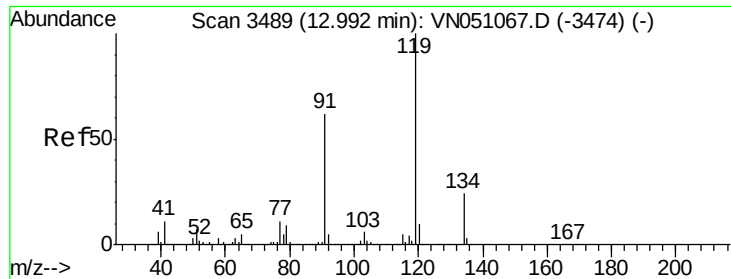
MMDadoda
9/11/2018 9:40:20 AM



#82
4-Chlorotoluene
Concen: 48.04 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.6	52.8





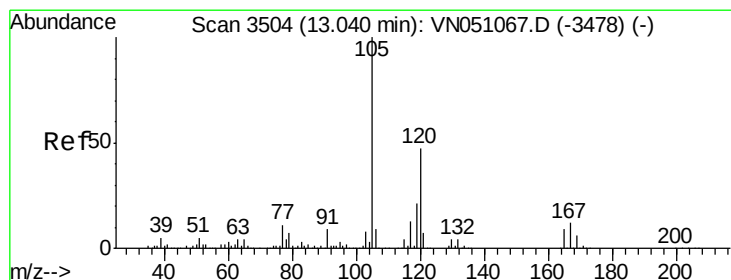
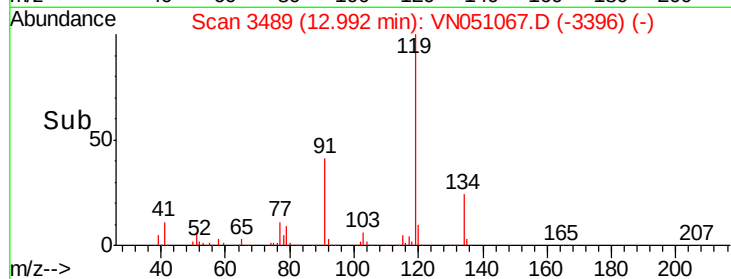
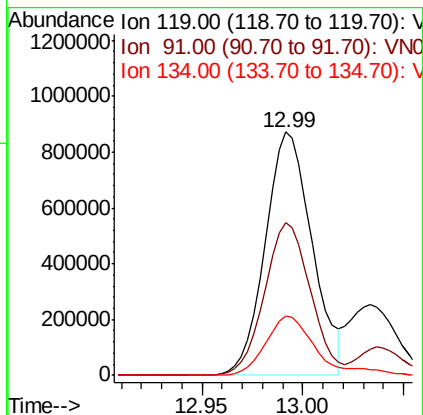
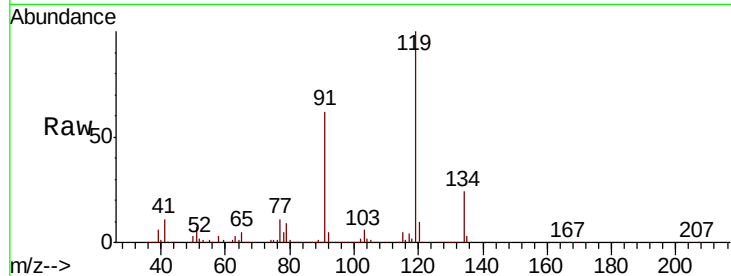
#83
 tert-Butylbenzene
 Concen: 48.62 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.5	30.8	92.3
134	26.4	13.2	39.6

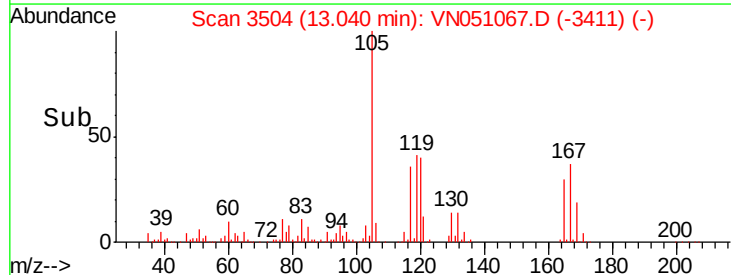
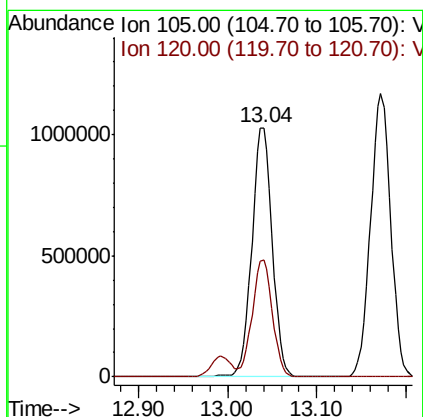
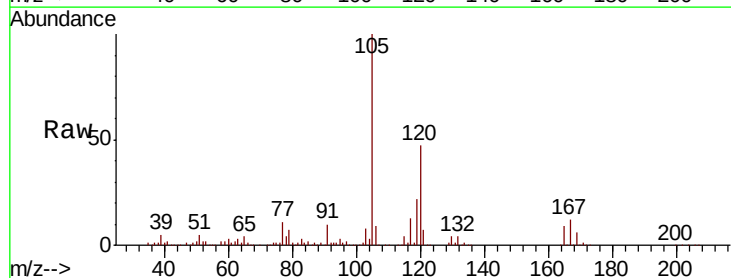
Manual Integrations
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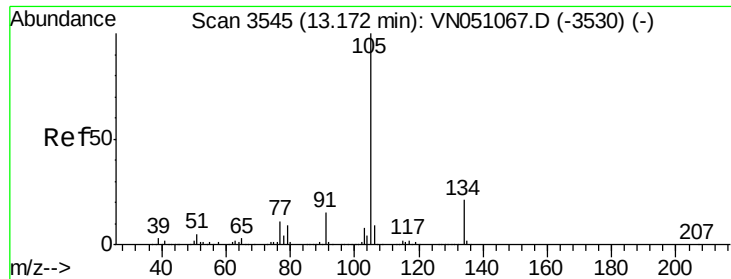
MMDadoda
 9/11/2018 9:40:20 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 50.92 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.8





#85

sec-Butylbenzene

Concen: 49.30 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC050

Tot Ion:105 Resp: 1828079

Ion Ratio Lower Upper

105 100

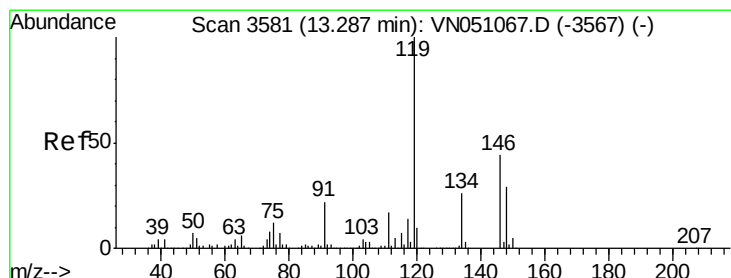
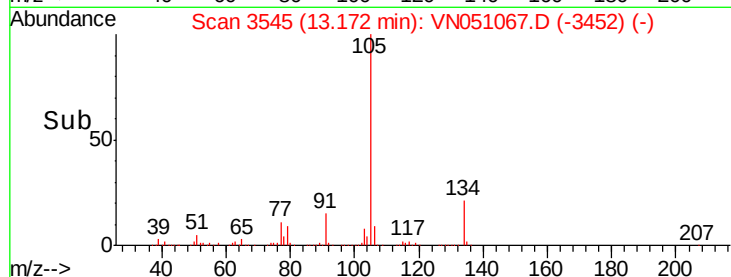
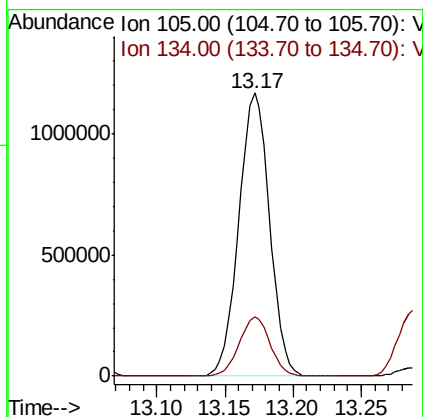
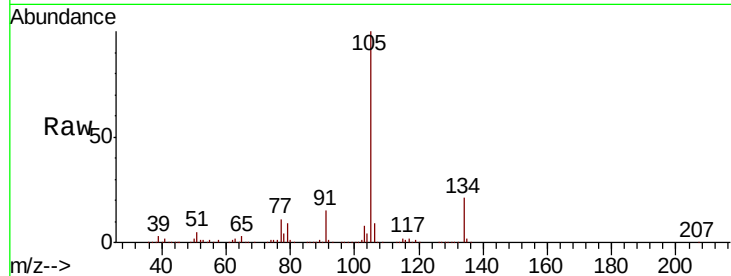
134 20.9 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 51.67 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

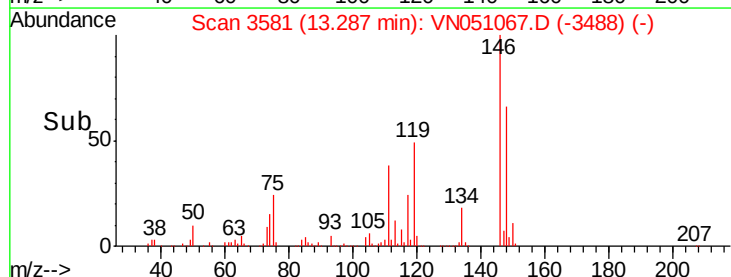
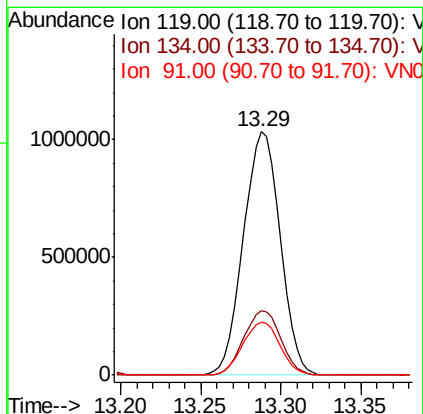
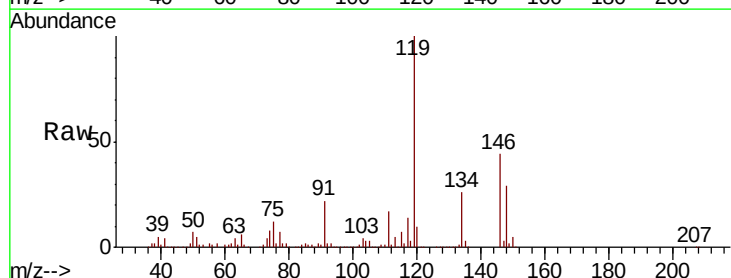
Tgt Ion:119 Resp: 1624807

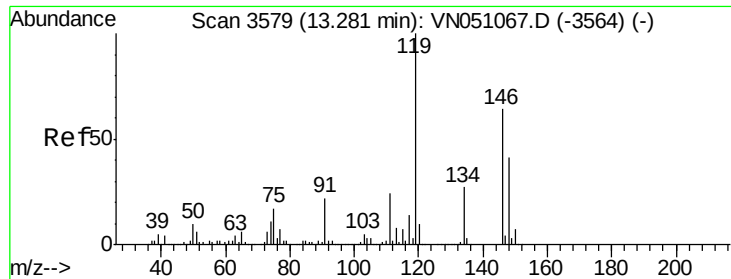
Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

91 21.9 10.9 32.9





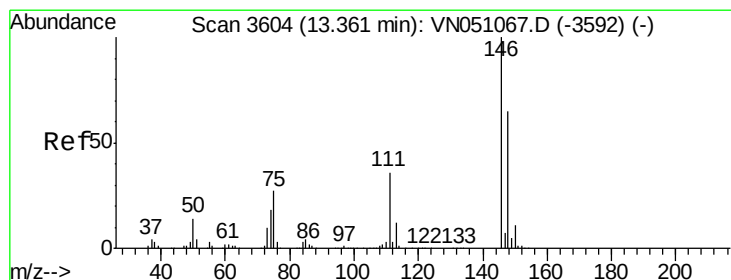
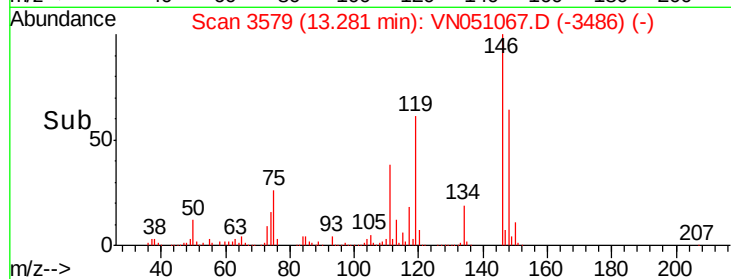
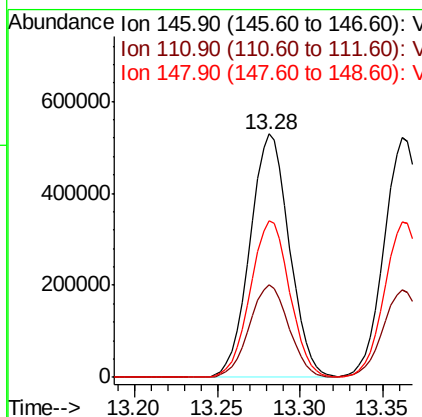
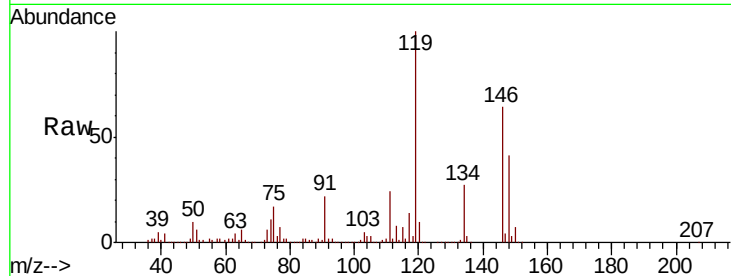
#87
 1,3-Dichlorobenzene
 Concen: 47.22 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	871667		
111	38.1	19.1	57.1	
148	64.4	32.2	96.6	

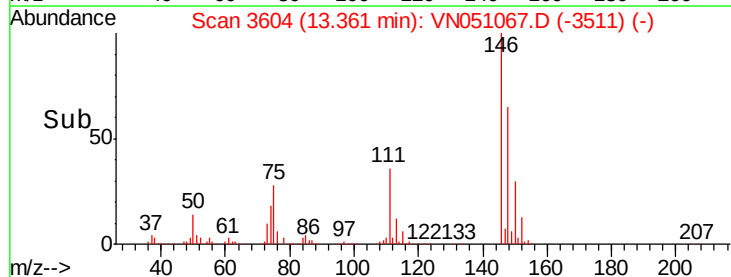
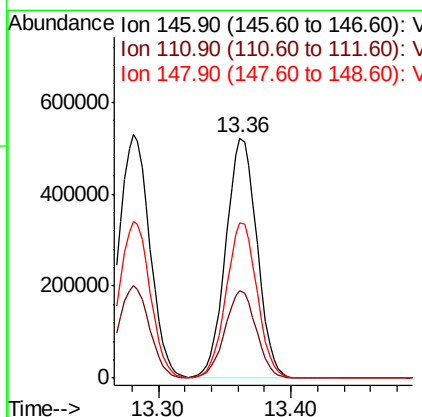
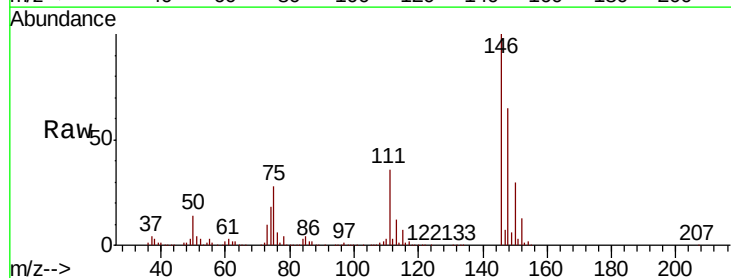
Manual Integrations
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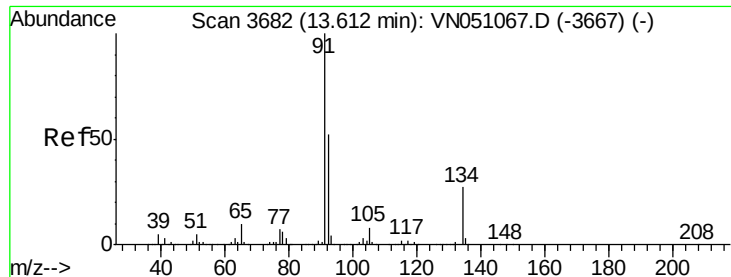
MMDadoda
 9/11/2018 9:40:20 AM



#88
 1,4-Dichlorobenzene
 Concen: 46.71 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	849810		
111	36.7	18.4	55.0	
148	64.4	32.2	96.6	





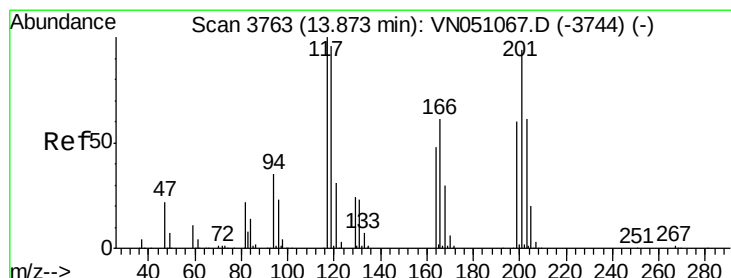
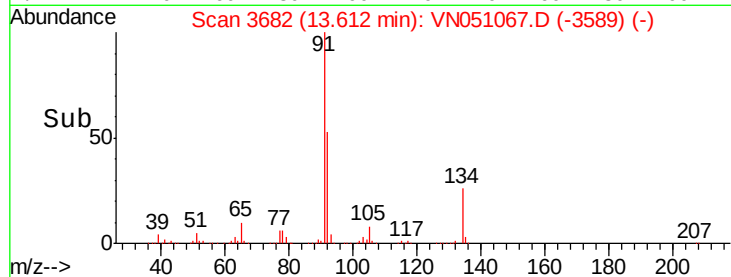
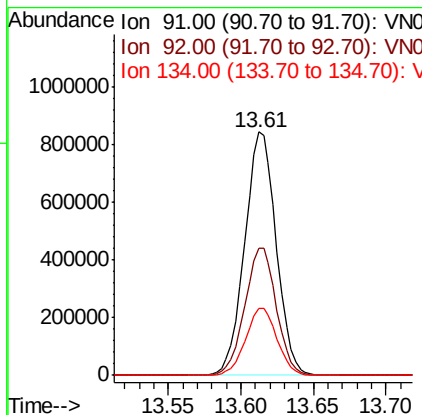
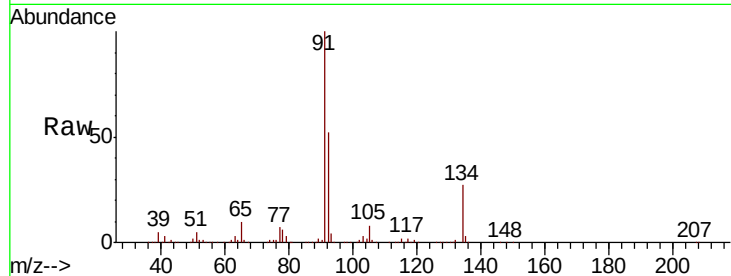
#89
n-Butylbenzene
Concen: 52.10 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC050

Tot Ion: 91 Resp: 1275082
Ion Ratio Lower Upper
91 100
92 52.4 26.2 78.6
134 27.4 13.7 41.1

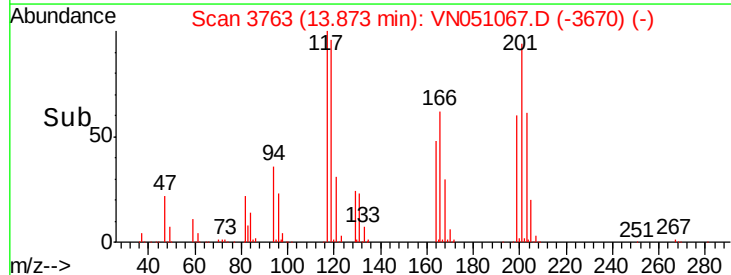
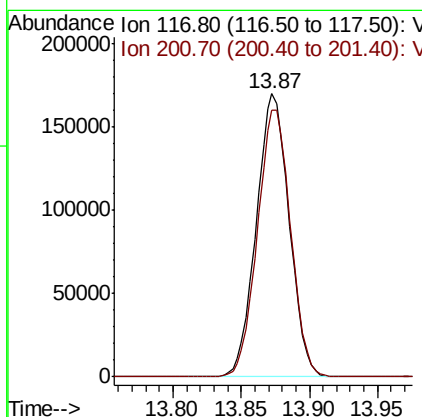
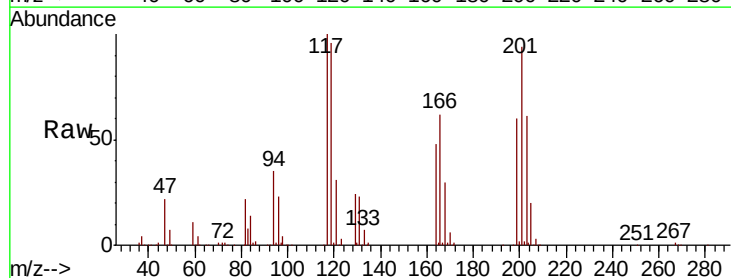
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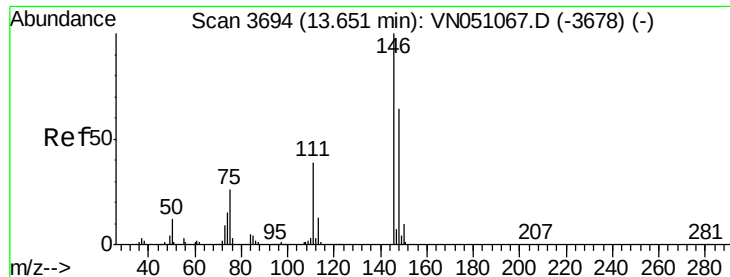
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#90
Hexachloroethane
Concen: 44.34 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN051067.D
Acq: 10 Sep 2018 9:23

Tgt Ion: 117 Resp: 284981
Ion Ratio Lower Upper
117 100
201 94.7 47.3 142.0





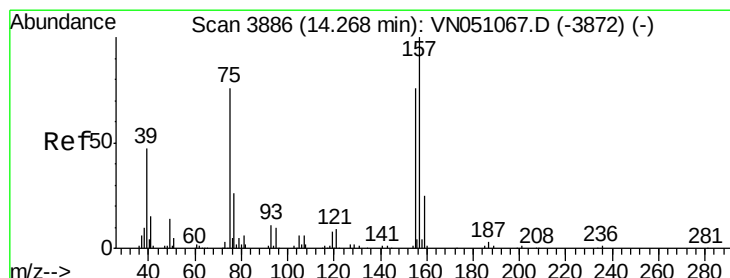
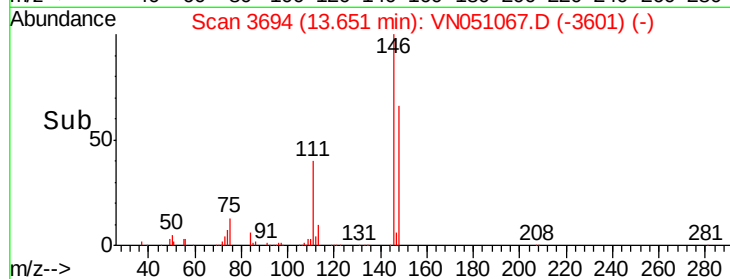
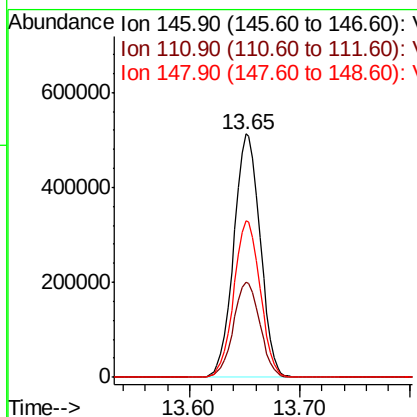
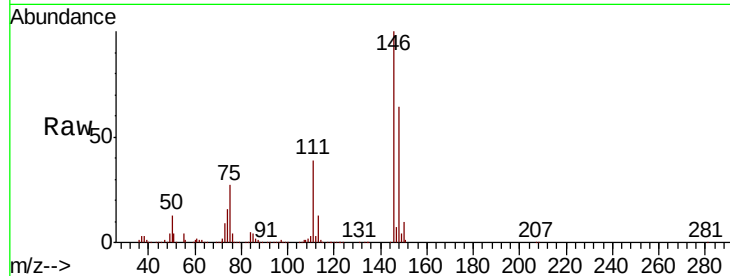
#91
 1,2-Dichlorobenzene
 Concen: 47.25 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	850035		
111	39.3	19.7	59.0	
148	64.2	32.1	96.3	

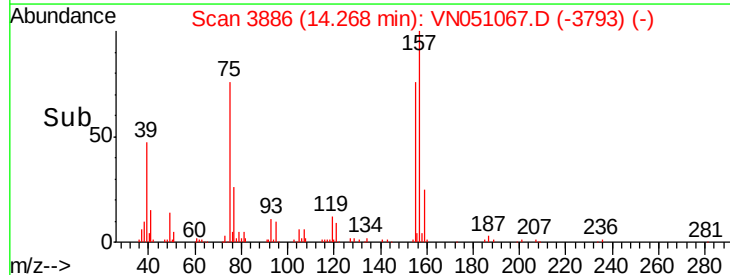
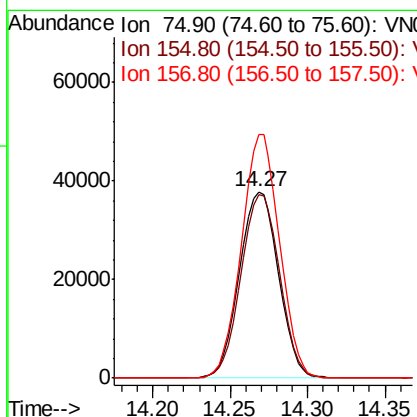
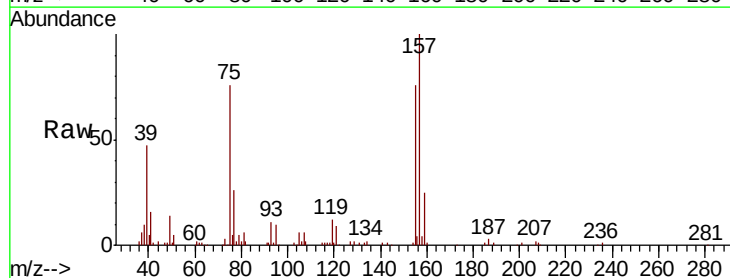
Manual Integrations
 APPROVED

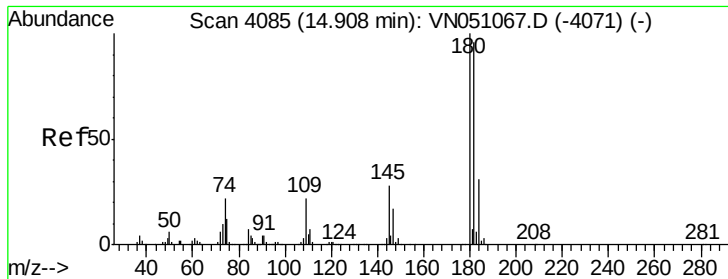
MMDadoda
 9/11/2018 9:40:20 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 42.29 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	66580		
155	97.4	48.7	146.1	
157	127.3	63.6	190.9	





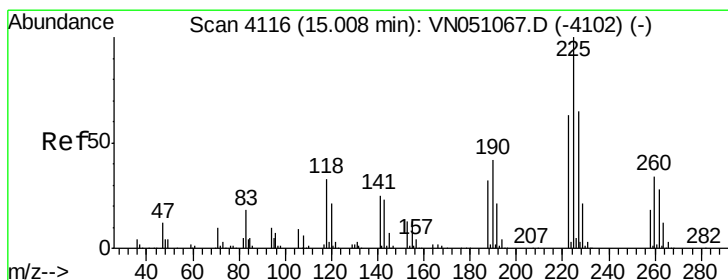
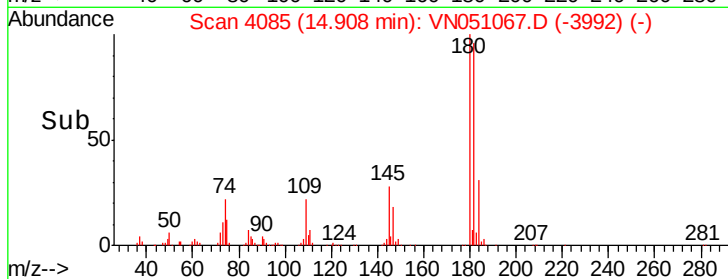
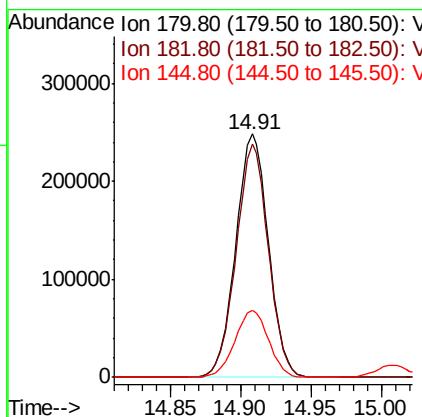
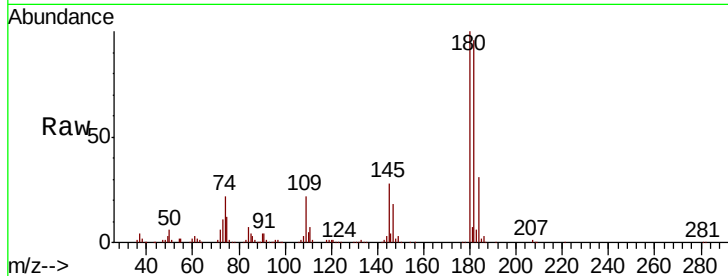
#93
 1,2,4-Trichlorobenzene
 Concen: 51.94 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	402272		
182	94.5	47.3	141.8	
145	28.4	14.2	42.6	

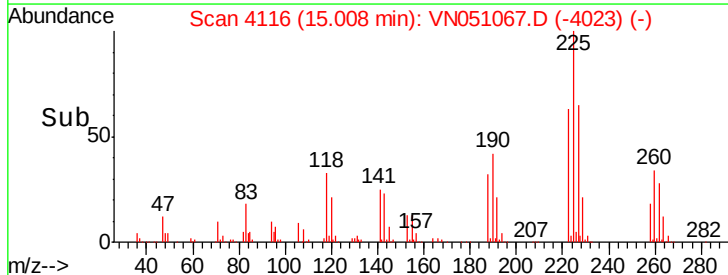
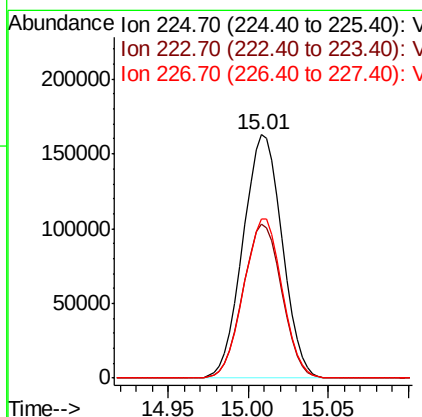
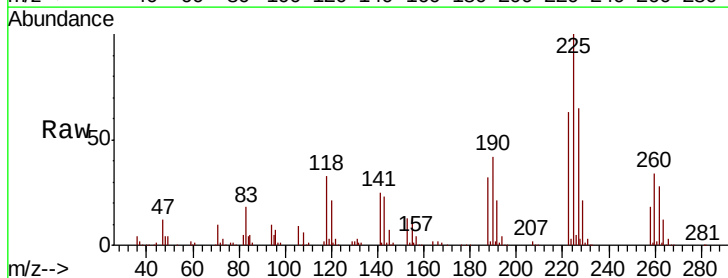
Manual Integrations
 APPROVED

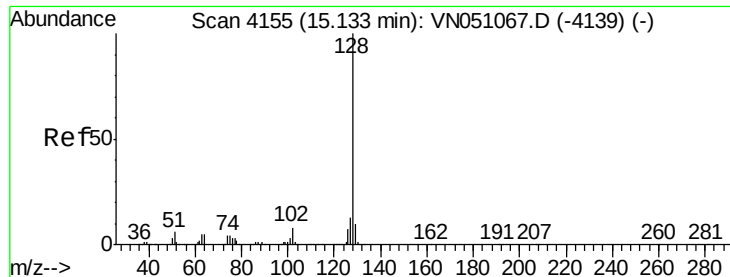
MMDadoda
 9/11/2018 9:40:20 AM



#94
 Hexachlorobutadiene
 Concen: 43.16 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN051067.D
 Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	273549		
223	62.7	31.4	94.0	
227	64.2	32.1	96.3	





#95

Naphthalene

Concen: 48.06 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Instrument :

MSVOA_N

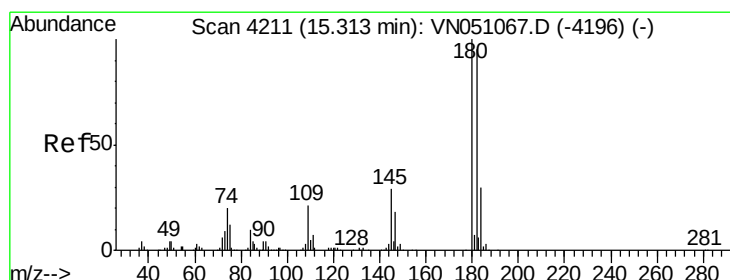
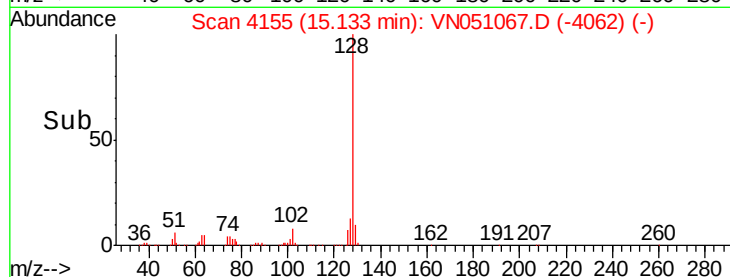
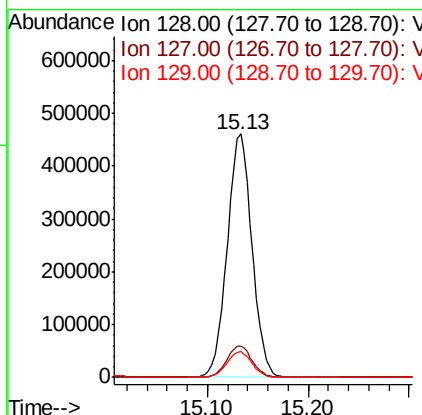
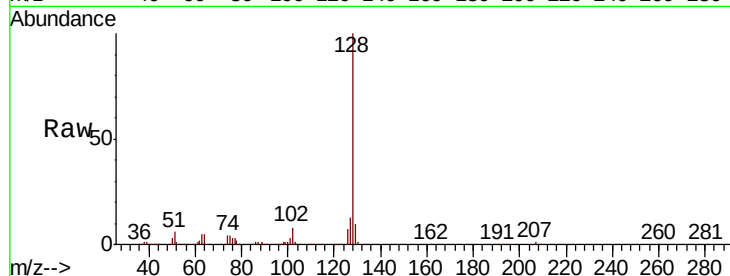
ClientSampleId :

VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100			
127	13.2	10.6	15.8	
129	10.7	8.6	12.8	

Manual Integrations
APPROVED

MMDadoda
9/11/2018 9:40:20 AM



#96

1,2,3-Trichlorobenzene

Concen: 49.00 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN051067.D

Acq: 10 Sep 2018 9:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.5	47.8	143.3	
145	29.2	14.6	43.8	

