

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082818\
 Data File : VN050920.D
 Acq On : 28 Aug 2018 18:13
 Operator : MD\SY
 Sample : VN0828WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/29/2018 11:10:35 AM

Quant Time: Aug 29 04:45:26 2018
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 05:38:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	597355	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	851332	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	753099	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	360743	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	369299	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
35) Dibromofluoromethane	7.59	113	347594	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
50) Toluene-d8	10.09	98	1283722	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.40	95	400448	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	156500	19.58	ug/l	100
3) Chloromethane	2.06	50	172019	17.45	ug/l	99
4) Vinyl Chloride	2.18	62	171310	18.34	ug/l	99
5) Bromomethane	2.56	94	98439	17.86	ug/l	93
6) Chloroethane	2.70	64	100358	18.60	ug/l	99
7) Trichlorofluoromethane	3.01	101	229375	19.18	ug/l	97
8) Diethyl Ether	3.41	74	79990	19.67	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	143256	19.17	ug/l	100
10) Methyl Iodide	3.95	142	107510	20.66	ug/l	99
11) Tert butyl alcohol	4.80	59	53698	117.26	ug/l	99
12) 1,1-Dichloroethene	3.73	96	128285	19.12	ug/l	95
13) Acrolein	3.61	56	19856	86.85	ug/l	97
14) Allyl chloride	4.32	41	195669	18.72	ug/l	99
15) Acrylonitrile	4.99	53	249553	107.23	ug/l	99
16) Acetone	3.82	43	173059	97.31	ug/l	98
17) Carbon Disulfide	4.05	76	376628	16.75	ug/l	99
18) Methyl Acetate	4.33	43	155402	22.88	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	356374	21.12	ug/l	99
20) Methylene Chloride	4.55	84	149915	18.50	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	136720	18.84	ug/l	99
22) Diisopropyl ether	5.96	45	433104	20.79	ug/l	97
23) Vinyl Acetate	5.90	43	1340361	99.90	ug/l	100
24) 1,1-Dichloroethane	5.85	63	260750	19.49	ug/l	100
25) 2-Butanone	6.84	43	275218	94.97	ug/l	99
26) 2,2-Dichloropropane	6.83	77	189314	17.61	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	153236	19.59	ug/l	100
28) Bromochloromethane	7.20	49	111923	19.69	ug/l	100
29) Tetrahydrofuran	7.22	42	188569	113.49	ug/l	99
30) Chloroform	7.37	83	260917	19.70	ug/l	98
31) Cyclohexane	7.66	56	222718	18.61	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	219958	19.33	ug/l	100
36) 1,1-Dichloropropene	7.80	75	191884	19.10	ug/l	99
37) Ethyl Acetate	6.94	43	126350	21.89	ug/l	97
38) Carbon Tetrachloride	7.78	117	195103	19.21	ug/l	100

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198701	18.28	ug/l	99
40) Benzene	8.04	78	597068	19.71	ug/l	99
41) Methacrylonitrile	7.17	41	50588	16.20	ug/l #	76
42) 1,2-Dichloroethane	8.13	62	180665	19.95	ug/l	99
43) Isopropyl Acetate	8.17	43	210067	21.17	ug/l #	87
44) Trichloroethene	8.84	130	154281	19.31	ug/l	99
45) 1,2-Dichloropropane	9.12	63	157027	19.72	ug/l	100
46) Dibromomethane	9.21	93	93254	19.93	ug/l	100
47) Bromodichloromethane	9.40	83	193643	19.76	ug/l	98
48) Methyl methacrylate	9.20	41	107443	21.25	ug/l	98
49) 1,4-Dioxane	9.20	88	30969	449.25	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	623184	105.25	ug/l	99
52) Toluene	10.16	92	359514	20.03	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	184789	18.95	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	218090	19.53	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	136115	20.44	ug/l	99
56) Ethyl methacrylate	10.43	69	158064	19.73	ug/l	99
57) 1,3-Dichloropropane	10.71	76	225575	20.52	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	332395	95.84	ug/l	99
59) 2-Hexanone	10.75	43	391271	99.26	ug/l	99
60) Dibromochloromethane	10.90	129	147379	19.76	ug/l	99
61) 1,2-Dibromoethane	11.01	107	129106	20.05	ug/l	100
64) Tetrachloroethene	10.63	164	142034	19.86	ug/l	99
65) Chlorobenzene	11.44	112	383080	19.46	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	146360	20.32	ug/l	98
67) Ethyl Benzene	11.51	91	627269	19.60	ug/l	99
68) m/p-Xylenes	11.62	106	492793	40.57	ug/l	99
69) o-Xylene	11.95	106	231949	19.86	ug/l	99
70) Styrene	11.97	104	365672	18.59	ug/l	99
71) Bromoform	12.13	173	99705	20.13	ug/l #	100
73) Isopropylbenzene	12.25	105	622857	20.85	ug/l	100
74) N-amyl acetate	12.07	43	155943	20.78	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	171559	23.21	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	138058m	21.85	ug/l	
77) Bromobenzene	12.53	156	160813	19.81	ug/l	99
78) n-propylbenzene	12.59	91	680331	20.39	ug/l	100
79) 2-Chlorotoluene	12.68	91	424995	20.45	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	507844	21.07	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	37147	19.87	ug/l	97
82) 4-Chlorotoluene	12.77	91	414989	20.22	ug/l	100
83) tert-Butylbenzene	12.99	119	436349	20.90	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	507424	20.93	ug/l	99
85) sec-Butylbenzene	13.17	105	566787	20.72	ug/l	100
86) p-Isopropyltoluene	13.29	119	478351	20.52	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	266374	19.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	256303	18.90	ug/l	100
89) n-Butylbenzene	13.62	91	348416	18.69	ug/l	99
90) Hexachloroethane	13.88	117	91819	20.78	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	264358	19.89	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22662	21.12	ug/l	98

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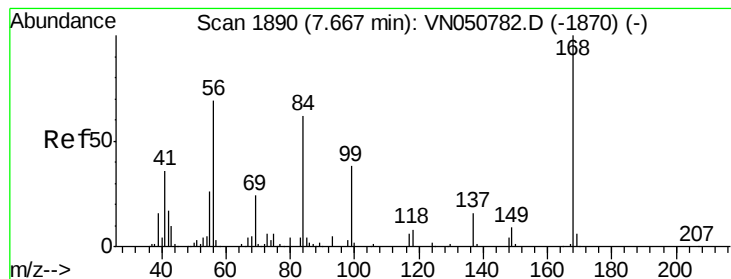
Manual Integrations
APPROVED

MMDadoda
8/29/2018 11:10:35 AM

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082118W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	103154	17.78	ug/l	98
94) Hexachlorobutadiene	15.01	225	81988	20.14	ug/l	99
95) Naphthalene	15.14	128	198442	17.68	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	105002	18.43	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion:168 Resp: 597355

Ion Ratio Lower Upper

168 100

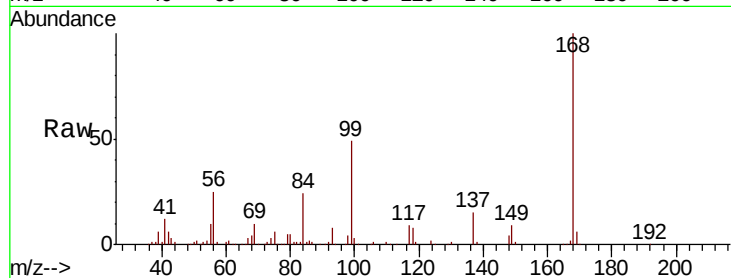
99 48.9 39.6 59.4

Manual Integrations

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8/29/2018 11:10:35 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

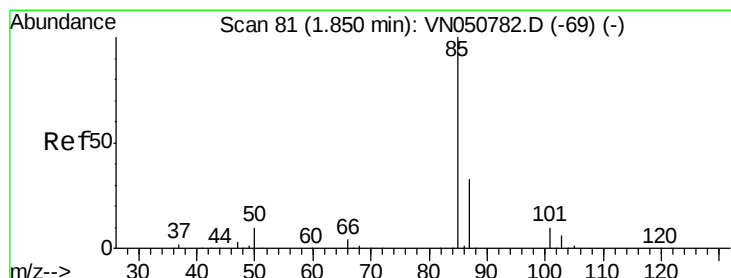
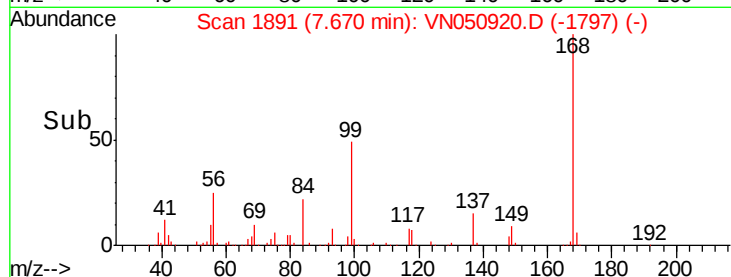
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.58 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050920.D

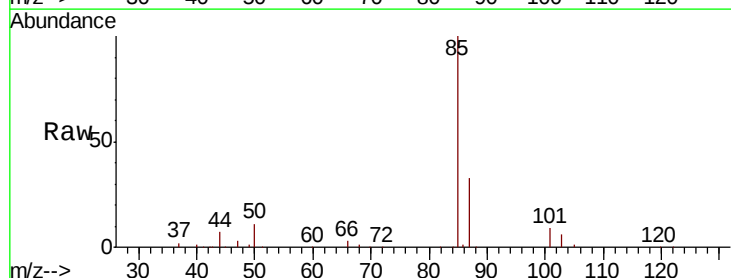
Acq: 28 Aug 2018 18:13

Tgt Ion: 85 Resp: 156500

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

120000

100000

80000

60000

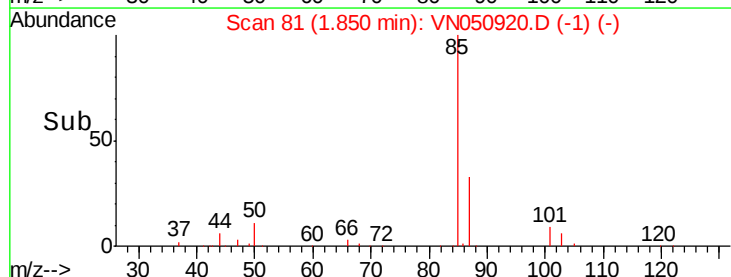
40000

20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.45 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion: 50 Resp: 172019

Ion Ratio Lower Upper

50 100

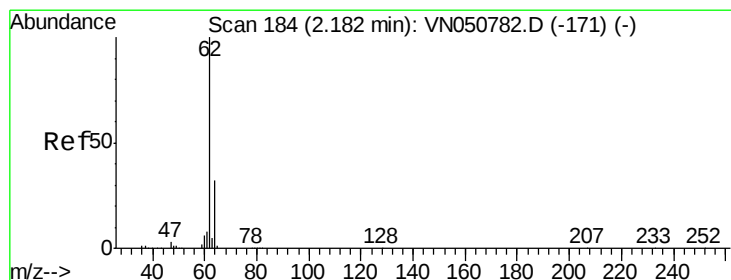
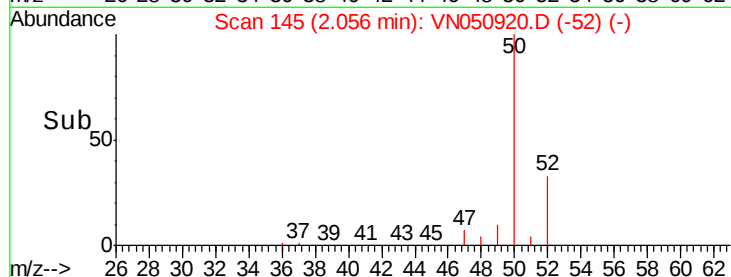
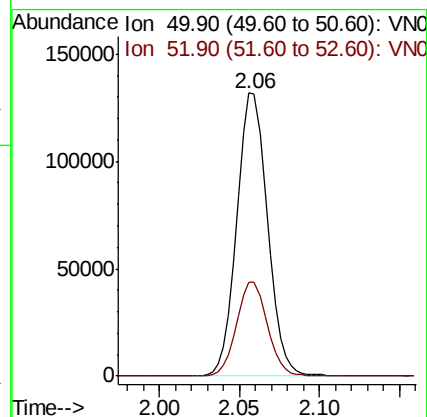
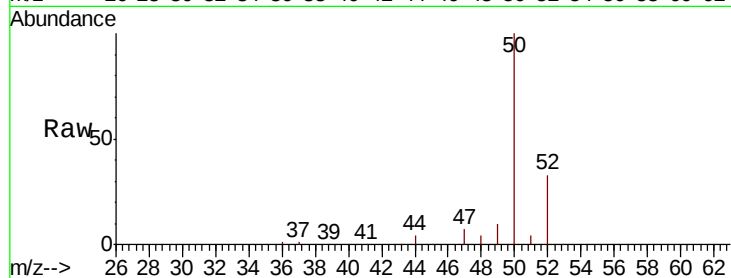
52 33.3 26.3 39.5

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.34 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050920.D

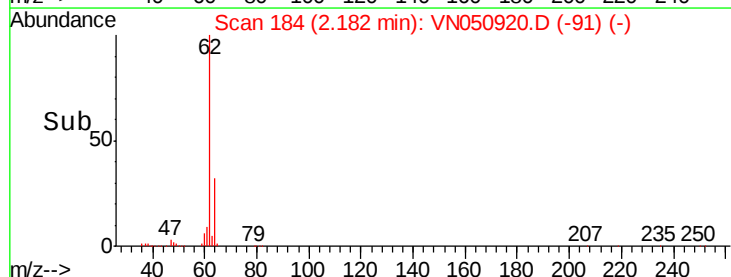
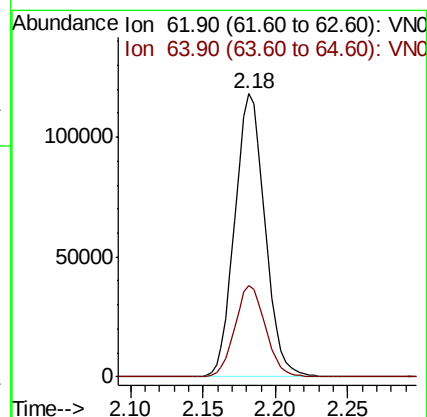
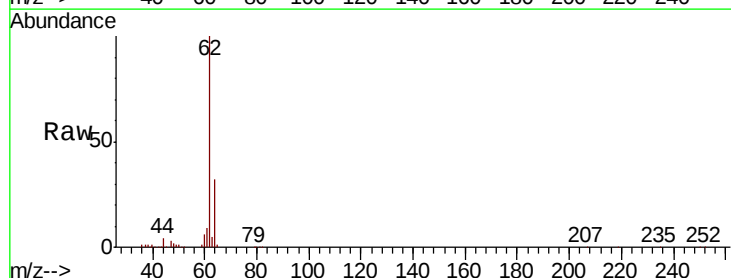
Acq: 28 Aug 2018 18:13

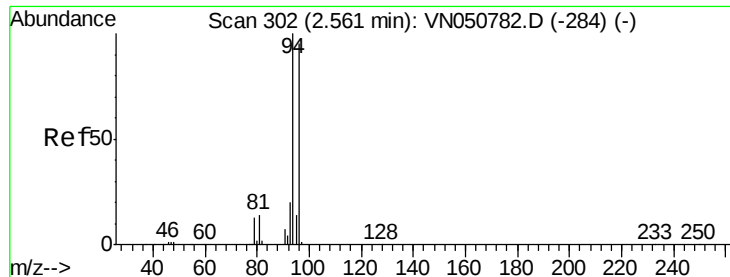
Tgt Ion: 62 Resp: 171310

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.2





#5

Bromomethane

Concen: 17.86 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion: 94 Resp: 98439

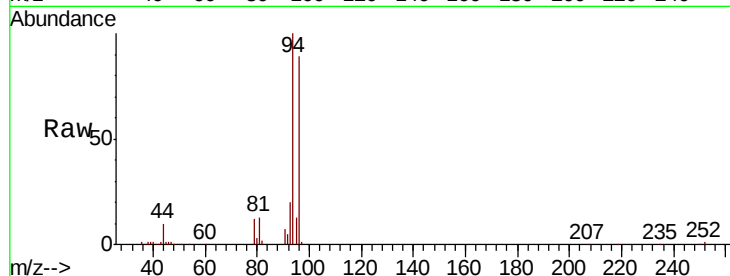
Ion Ratio Lower Upper

94 100

96 88.7 76.2 114.2

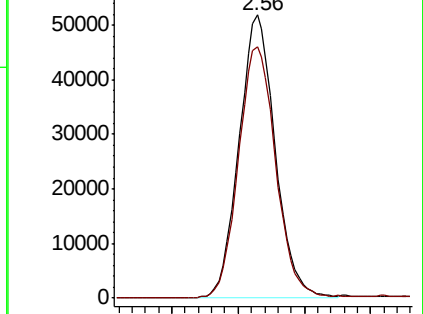
Manual Integrations
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8/29/2018 11:10:35 AM

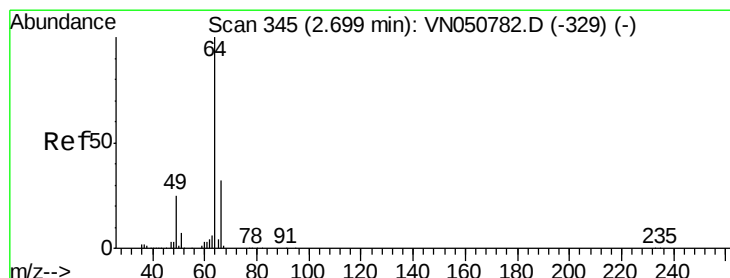
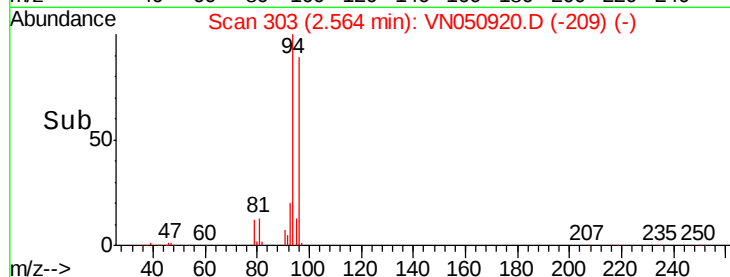


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 18.60 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050920.D

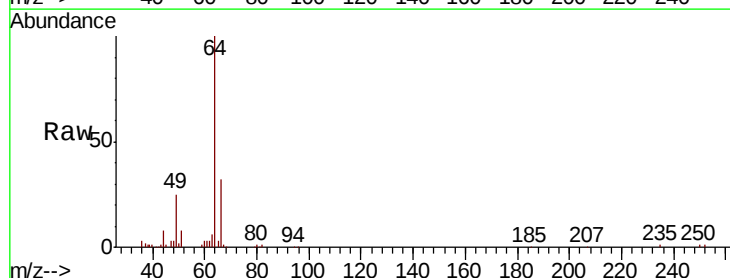
Acq: 28 Aug 2018 18:13

Tgt Ion: 64 Resp: 100358

Ion Ratio Lower Upper

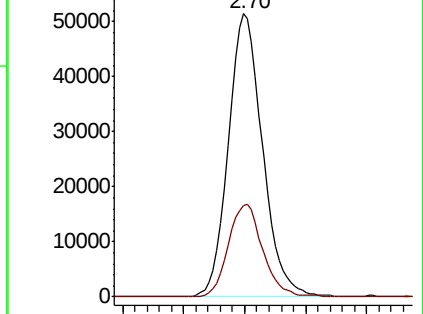
64 100

66 32.3 25.3 37.9

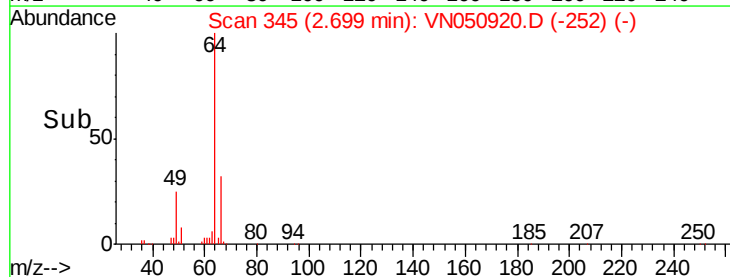


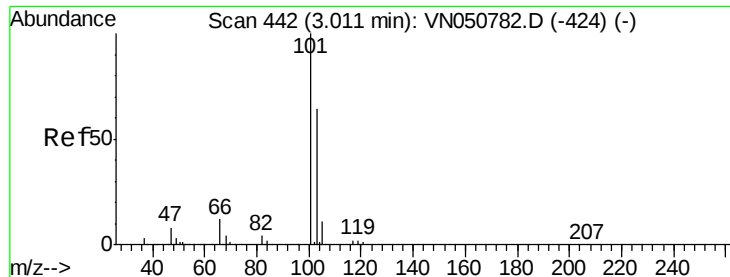
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

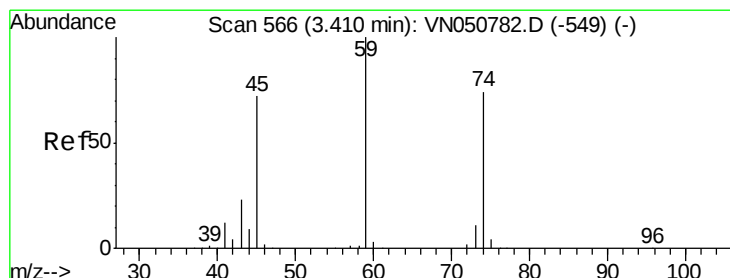
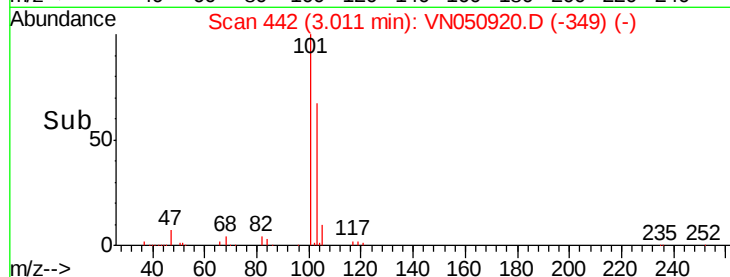
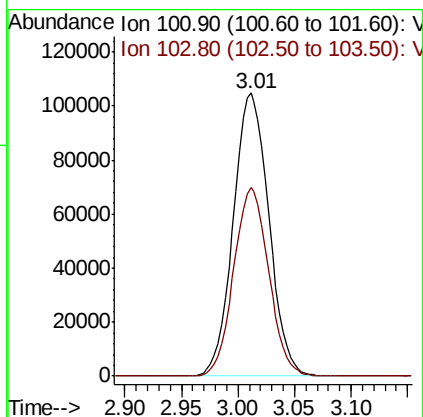
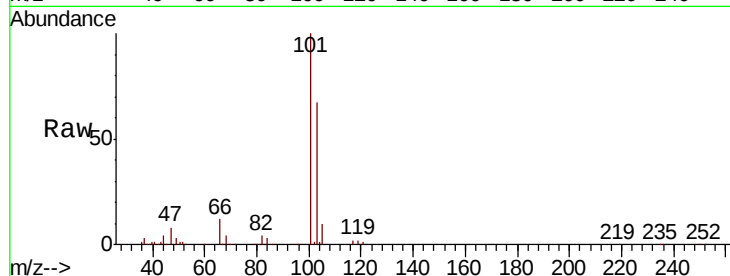
Trichlorofluoromethane
 Concen: 19.18 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		229375		
103	66.5	51.6	77.4		

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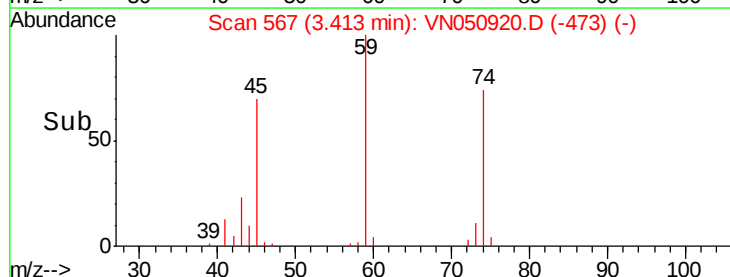
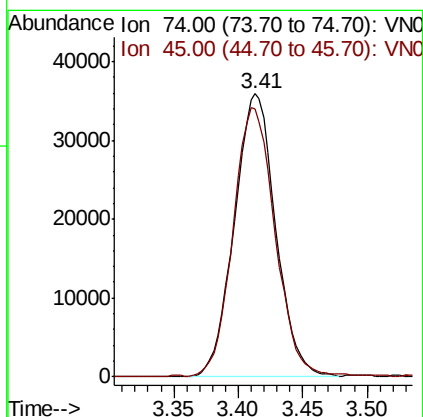
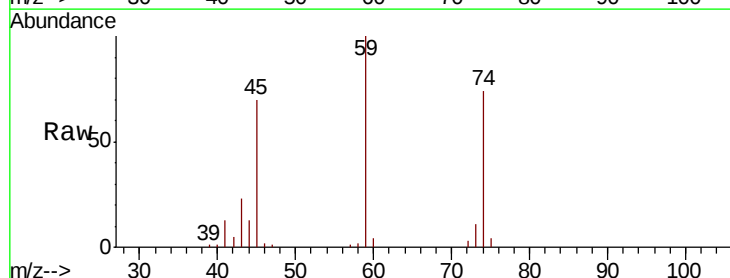
MMDadoda
 8/29/2018 11:10:35 AM

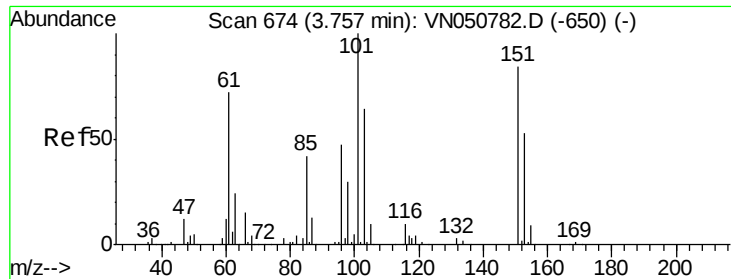


#8

Diethyl Ether
 Concen: 19.67 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		79990		
45	97.4	48.2	144.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.17 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

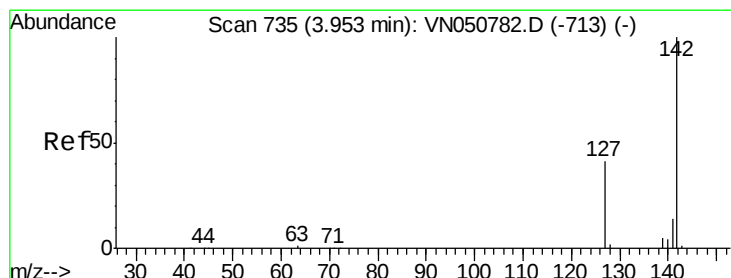
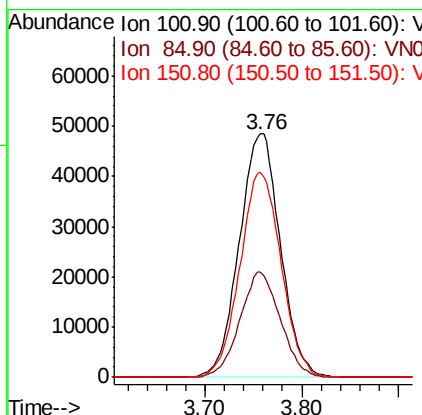
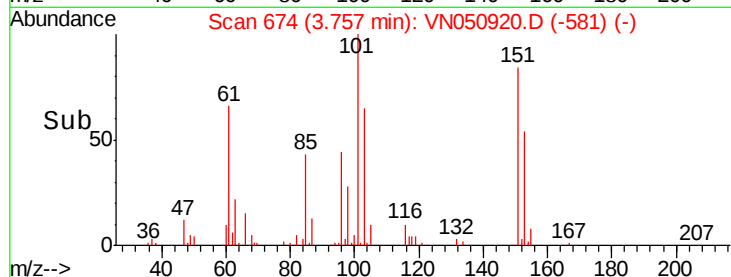
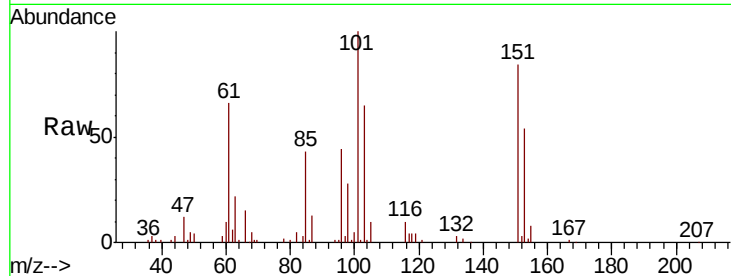
ClientSampleId :

VN0828WBS02

Tot Ion:	101	Resp:	143256
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.7	50.5
151	84.3	67.4	101.2

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#10

Methyl Iodide

Concen: 20.66 ug/l

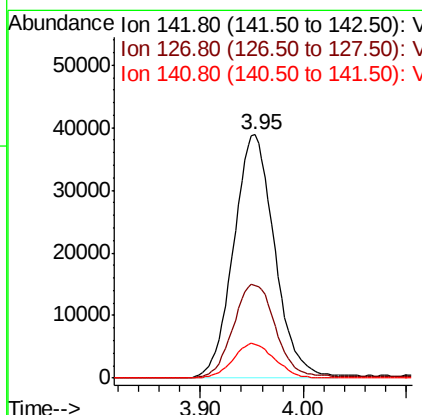
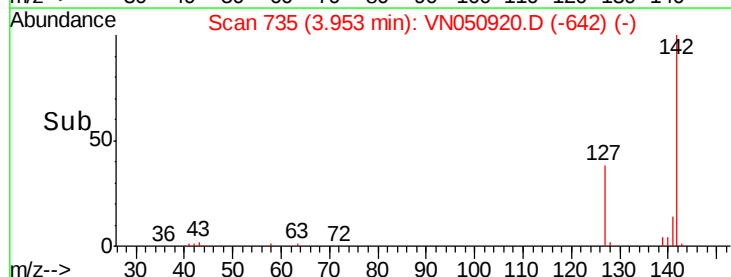
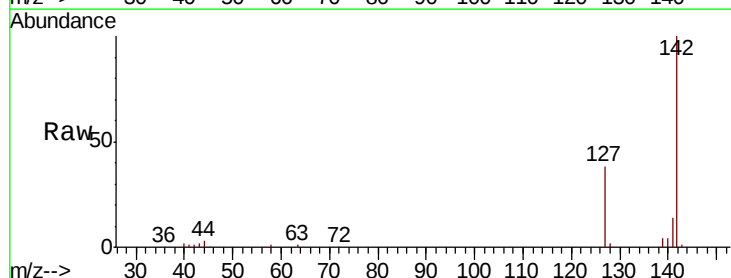
RT: 3.95 min Scan# 735

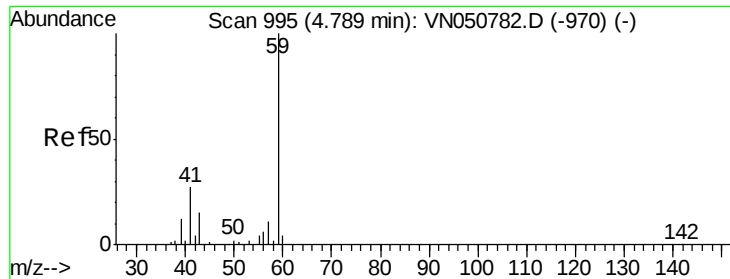
Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion:	142	Resp:	107510
Ion Ratio	Lower	Upper	
142	100		
127	40.2	31.7	47.5
141	14.3	11.4	17.0





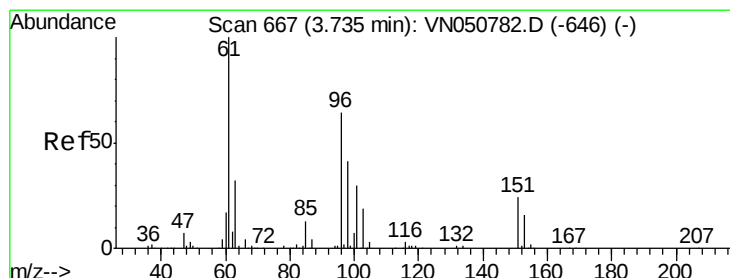
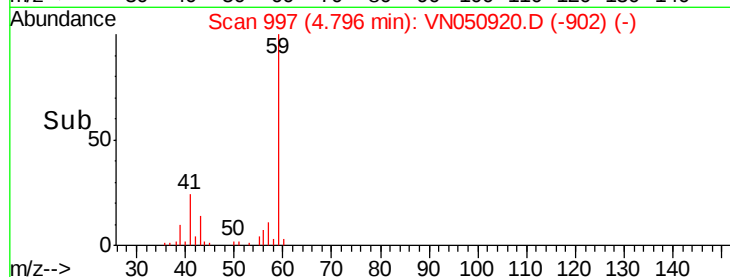
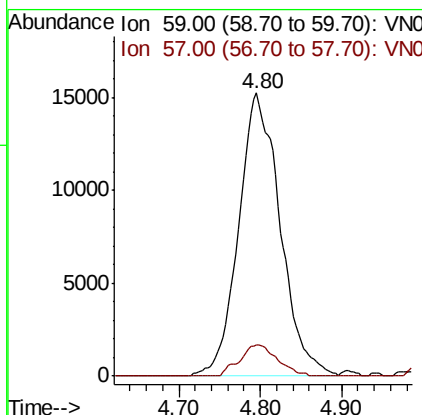
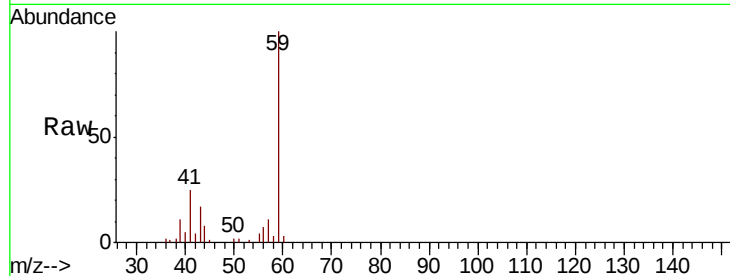
#11
Tert butyl alcohol
Concen: 117.26 ug/l
RT: 4.80 min Scan# 997
Delta R.T. 0.01 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.3	12.5

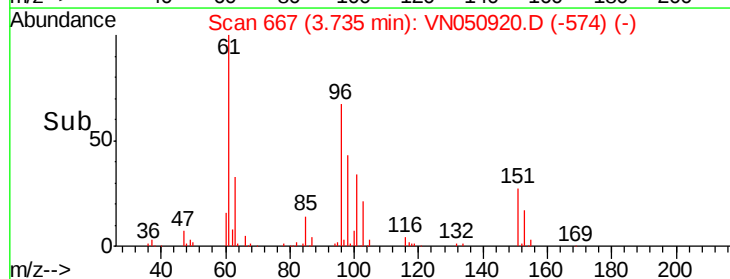
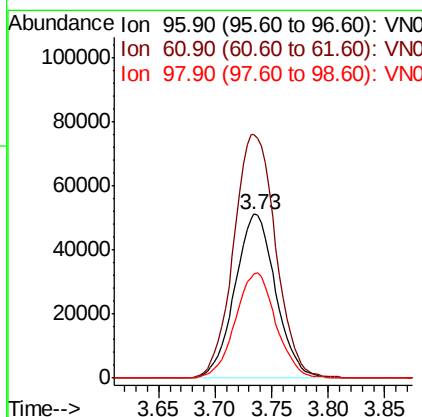
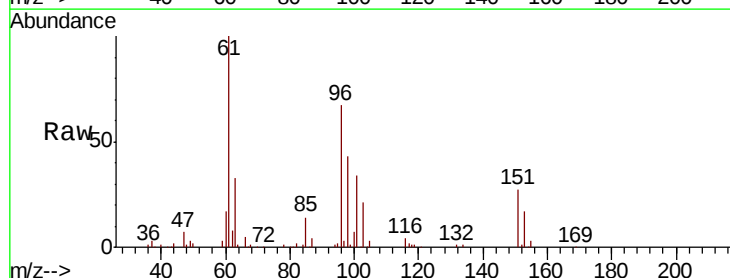
Manual Integrations
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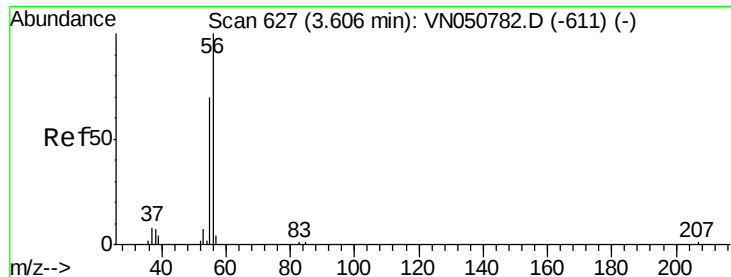
MMDadoda
8/29/2018 11:10:35 AM



#12
1,1-Dichloroethene
Concen: 19.12 ug/l
RT: 3.73 min Scan# 667
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.0	124.9	187.3
98	63.1	51.1	76.7





#13

Acrolein

Concen: 86.85 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion: 56 Resp: 19856

Ion Ratio Lower Upper

56 100

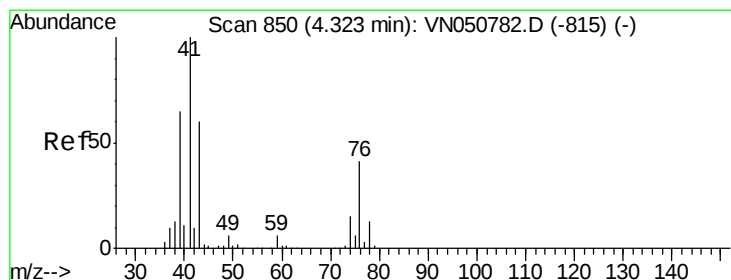
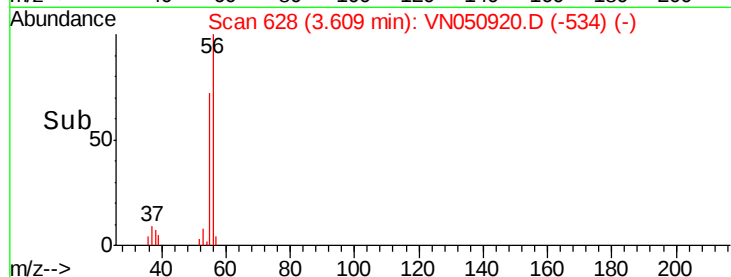
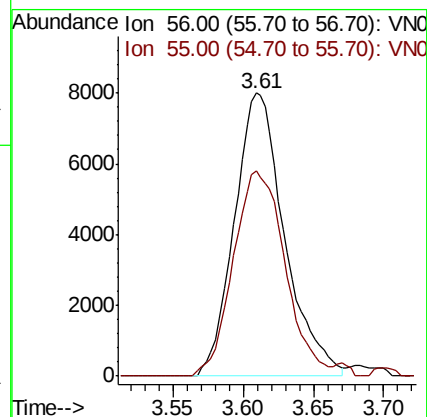
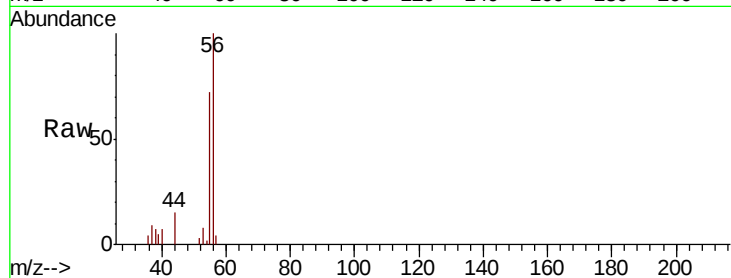
55 74.9 57.7 86.5

Manual Integrations

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MMDadoda

8/29/2018 11:10:35 AM



#14

Allyl chloride

Concen: 18.72 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

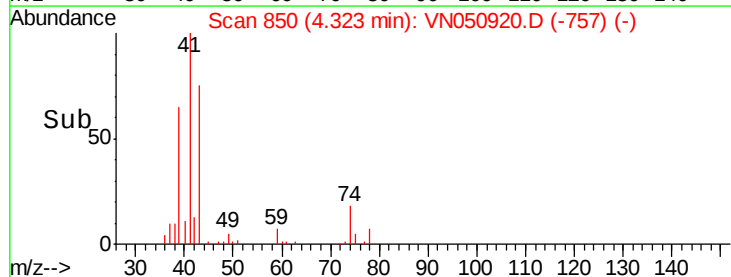
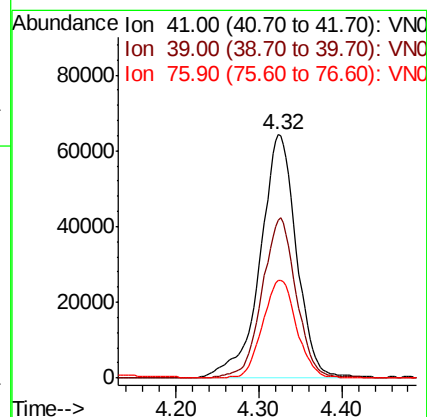
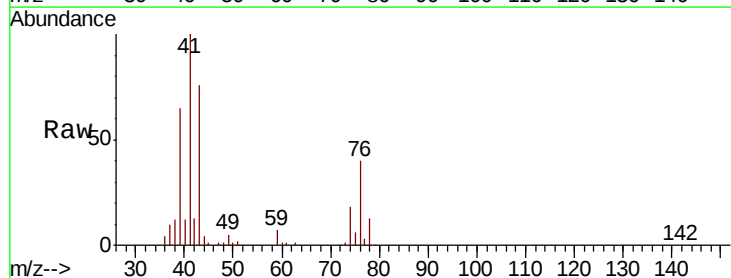
Tgt Ion: 41 Resp: 195669

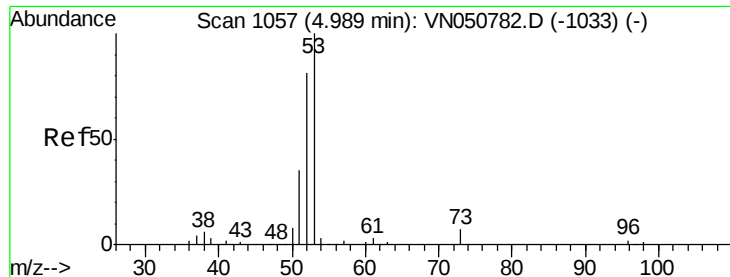
Ion Ratio Lower Upper

41 100

39 62.3 50.2 75.2

76 37.9 29.8 44.8





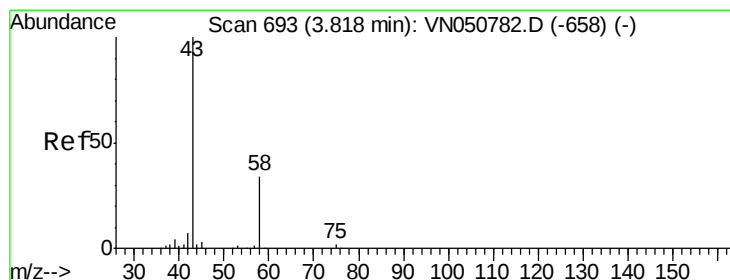
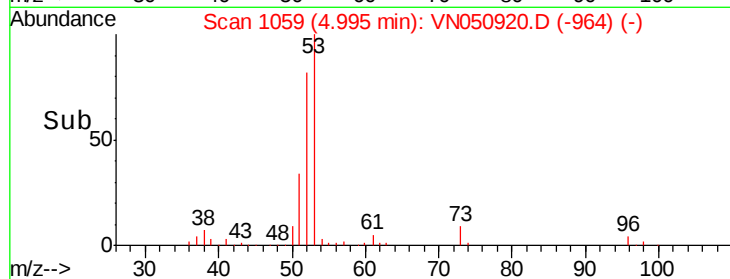
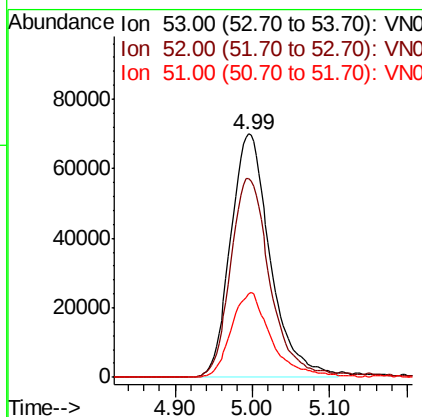
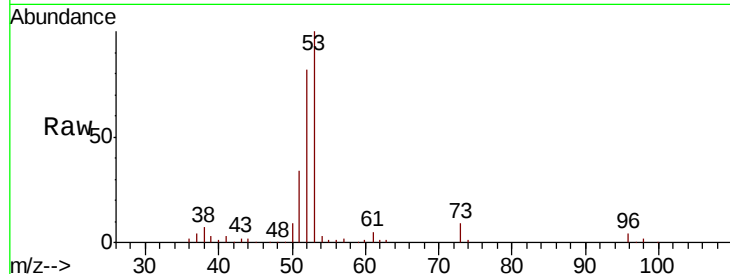
#15
 Acrylonitrile
 Concen: 107.23 ug/l
 RT: 4.99 min Scan# 1059
 Delta R.T. 0.01 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.4	65.9	98.9
51	35.2	28.6	43.0

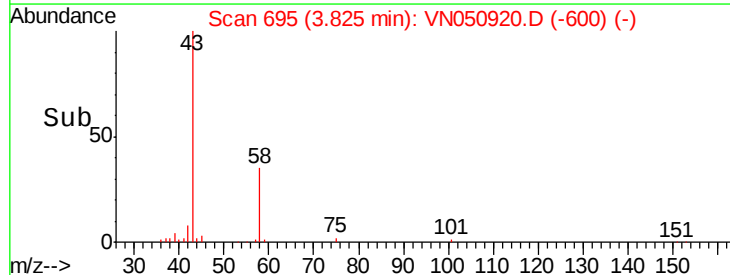
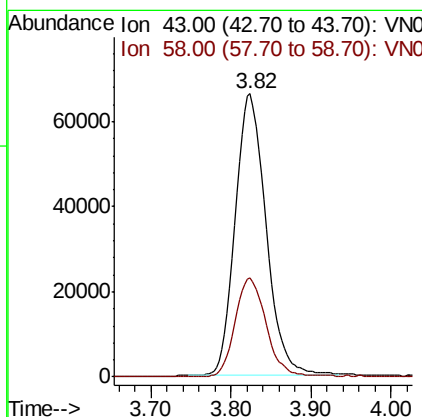
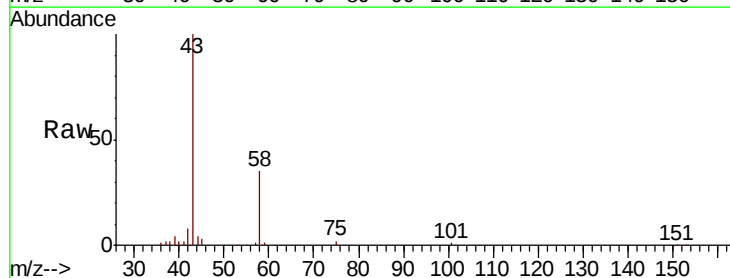
Manual Integrations
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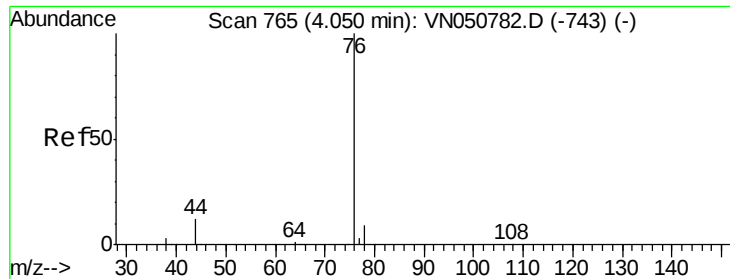
MMDadoda
 8/29/2018 11:10:35 AM



#16
 Acetone
 Concen: 97.31 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.01 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	27.2	40.8





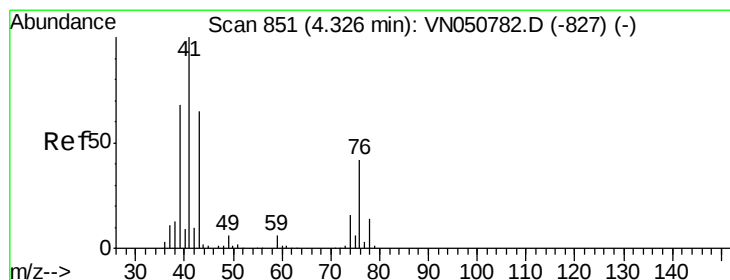
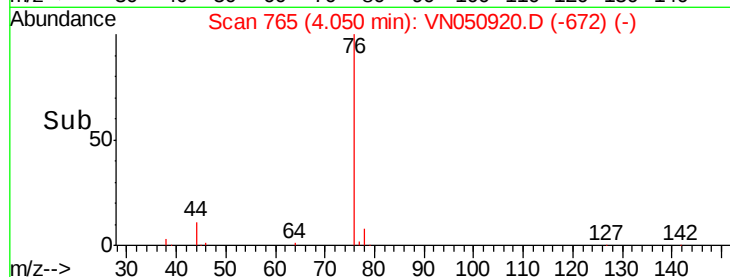
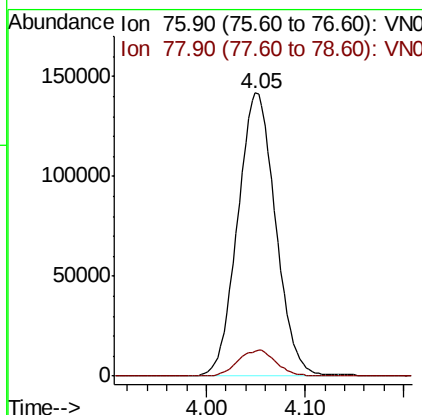
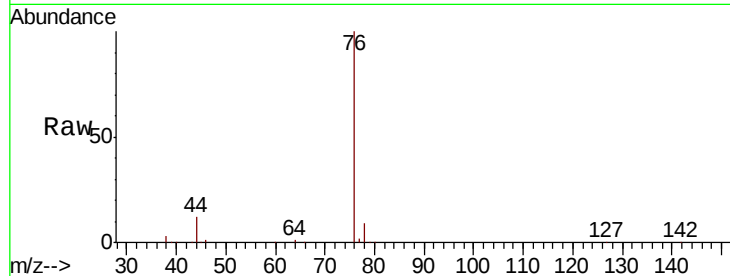
#17
Carbon Disulfide
Concen: 16.75 ug/l
RT: 4.05 min Scan# 765
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.3	10.9

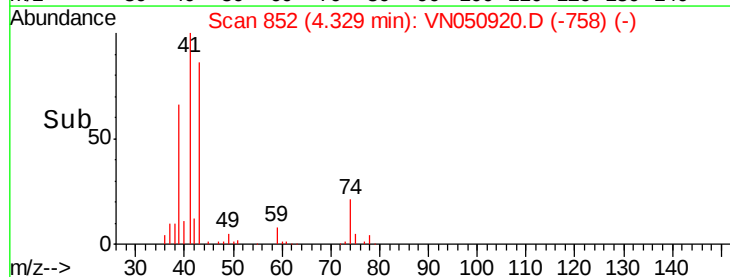
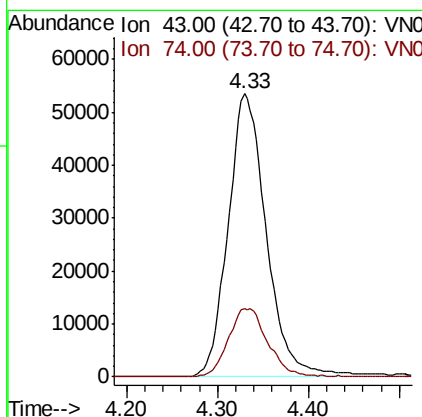
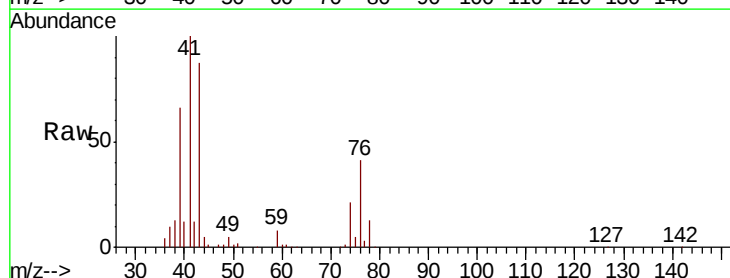
Manual Integrations
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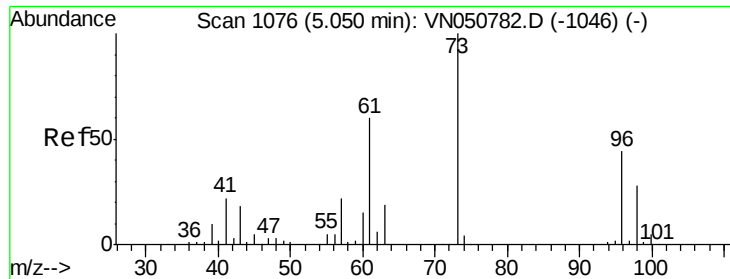
MMDadoda
8/29/2018 11:10:35 AM



#18
Methyl Acetate
Concen: 22.88 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	19.8	29.8





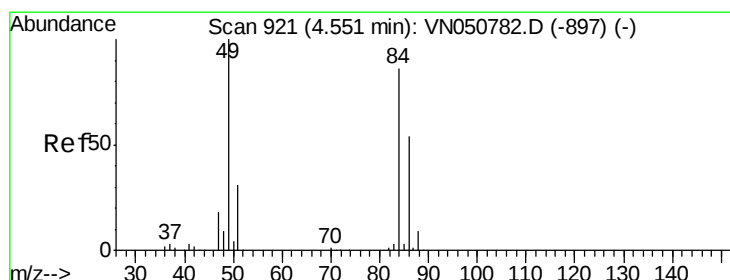
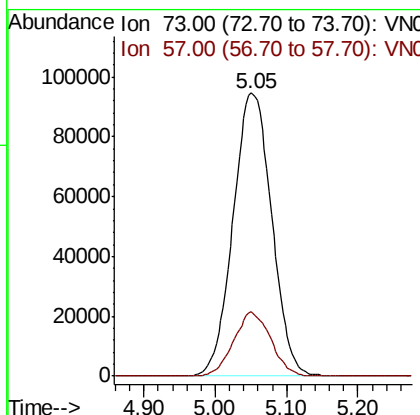
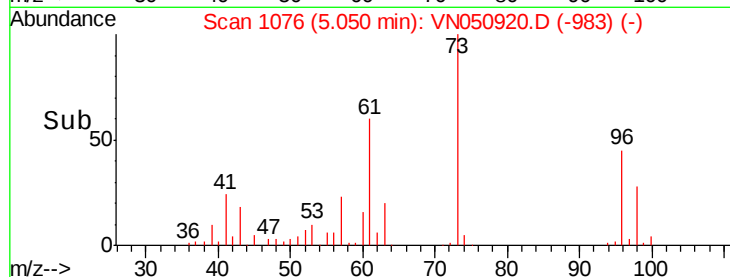
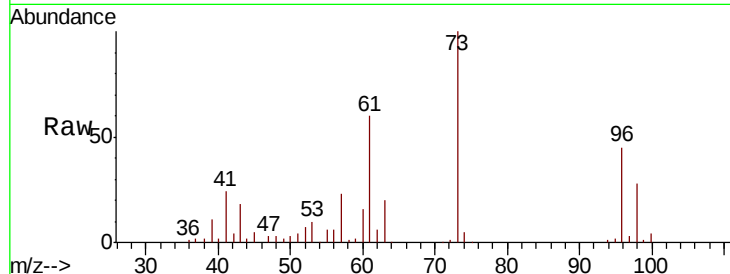
#19
Methvl tert-butvl Ether
Concen: 21.12 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion: 73 Resp: 356374
Ion Ratio Lower Upper
73 100
57 22.9 17.8 26.8

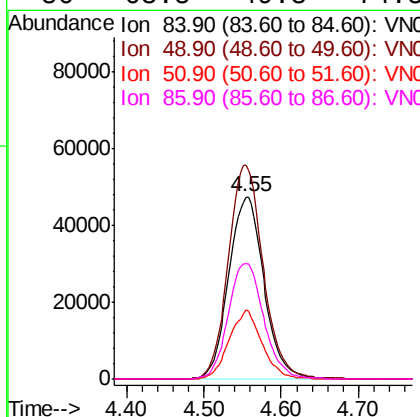
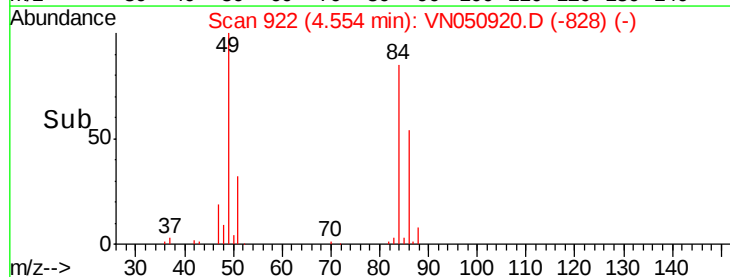
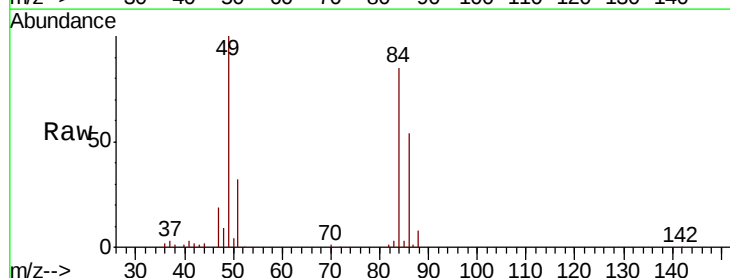
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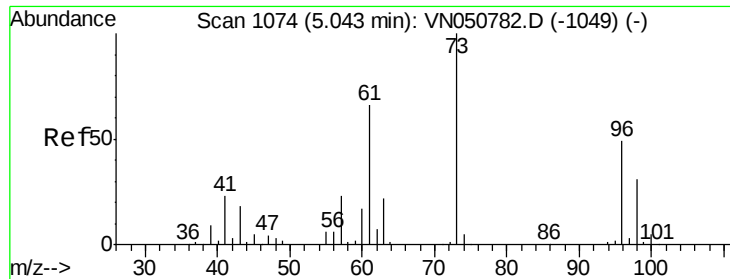
MMDadoda
8/29/2018 11:10:35 AM



#20
Methylene Chloride
Concen: 18.50 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 84 Resp: 149915
Ion Ratio Lower Upper
84 100
49 117.4 93.2 139.8
51 38.0 29.0 43.6
86 63.5 49.8 74.8





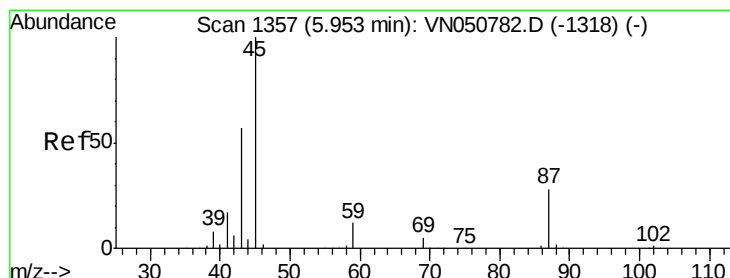
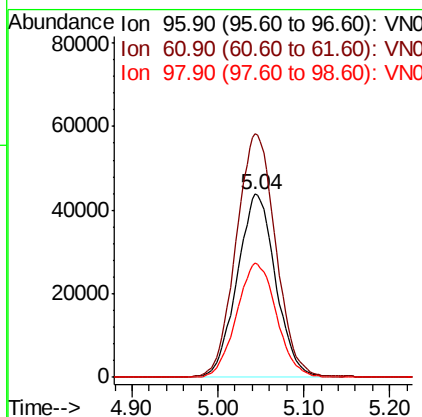
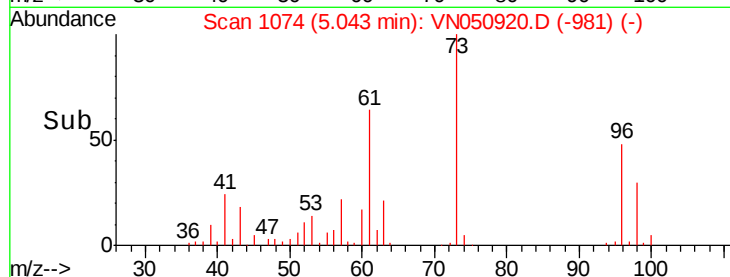
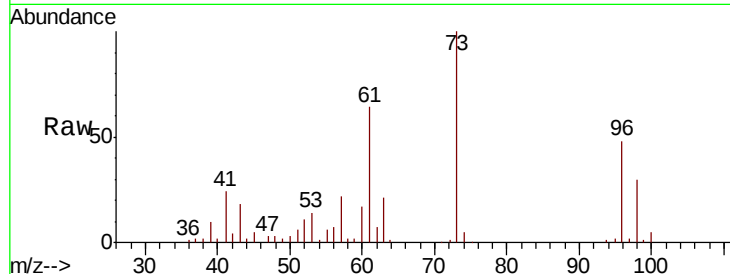
#21
trans-1,2-Dichloroethene
Concen: 18.84 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.2	107.4	161.0
98	62.5	50.7	76.1

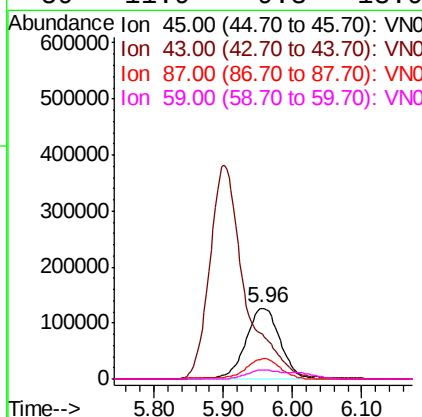
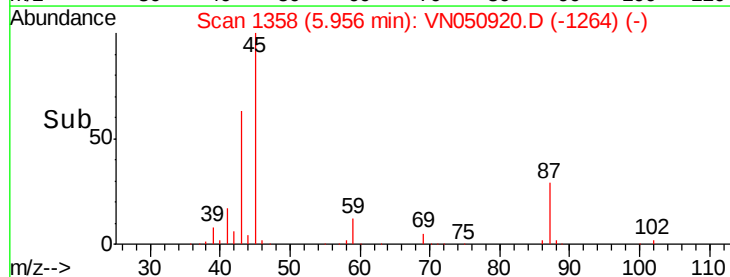
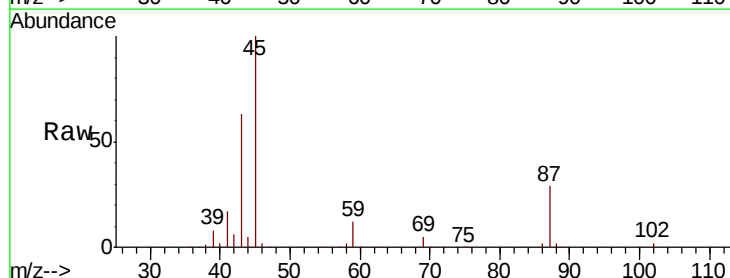
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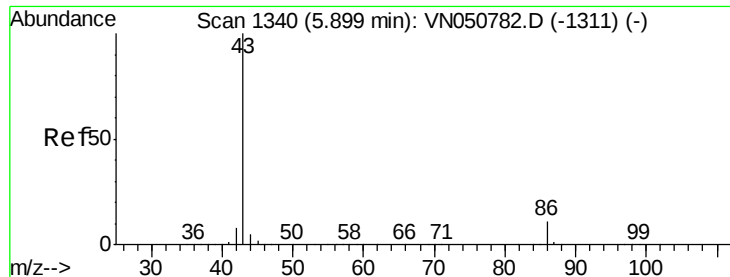
MMDadoda
8/29/2018 11:10:35 AM



#22
Diisopropyl ether
Concen: 20.79 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	45.9	68.9
87	28.6	22.7	34.1
59	11.9	9.3	13.9





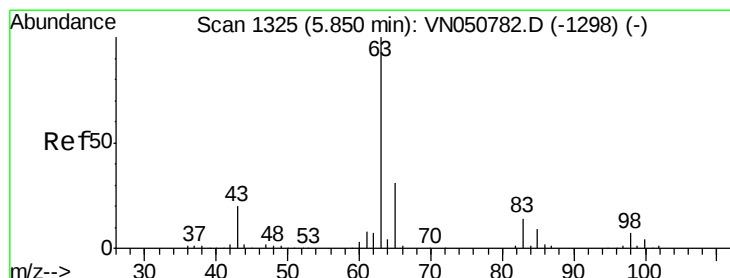
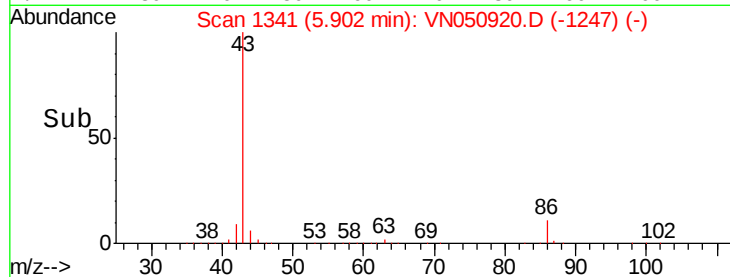
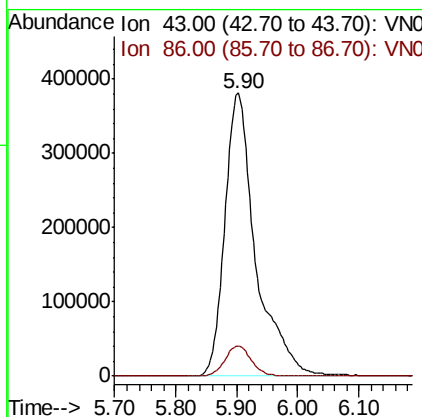
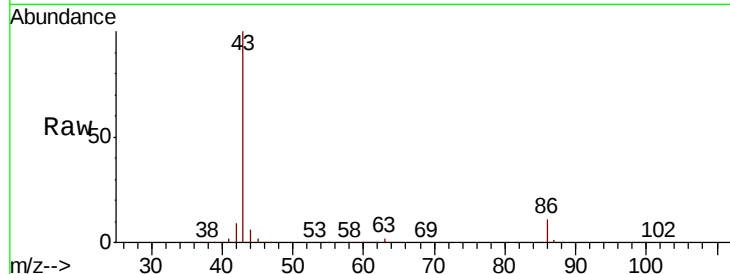
#23
 Vinyl Acetate
 Concen: 99.90 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0828WBS02

Tot Ion: 43 Resp: 1340361
 Ion Ratio Lower Upper
 43 100
 86 10.7 8.7 13.1

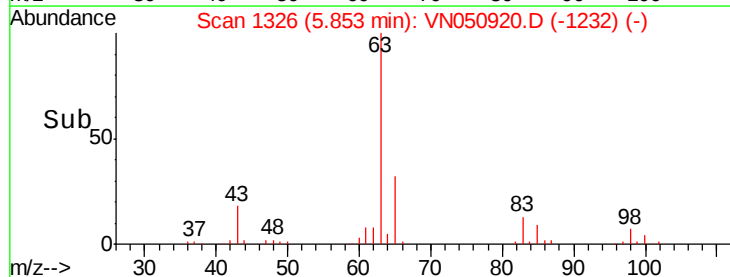
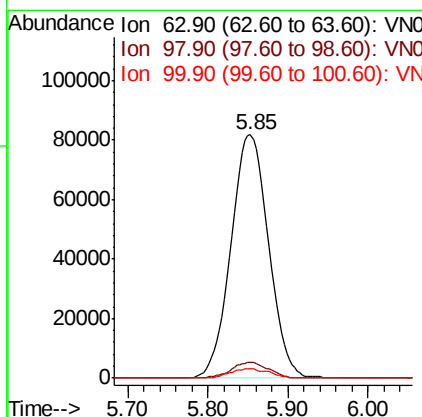
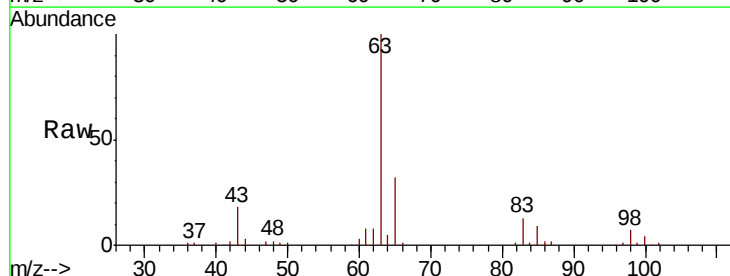
Manual Integrations
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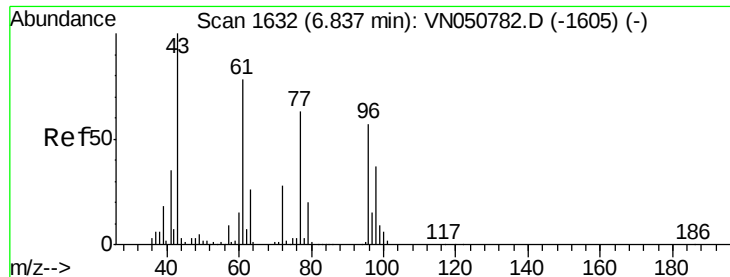
MMDadoda
 8/29/2018 11:10:35 AM



#24
 1,1-Dichloroethane
 Concen: 19.49 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 63 Resp: 260750
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.3 9.8
 100 4.1 2.1 6.5





#25

2-Butanone

Concen: 94.97 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

VN0828WBS02

Tot Ion: 43 Resp: 275218

Ion Ratio Lower Upper

43 100

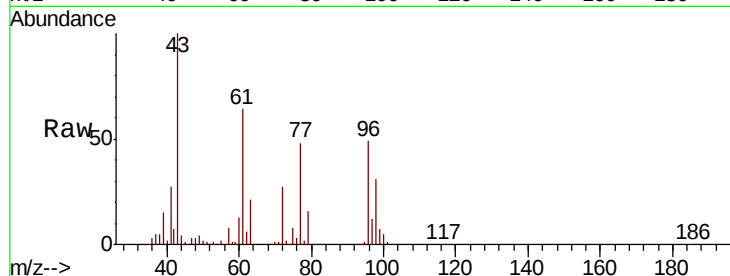
72 27.2 22.3 33.5

Manual Integrations

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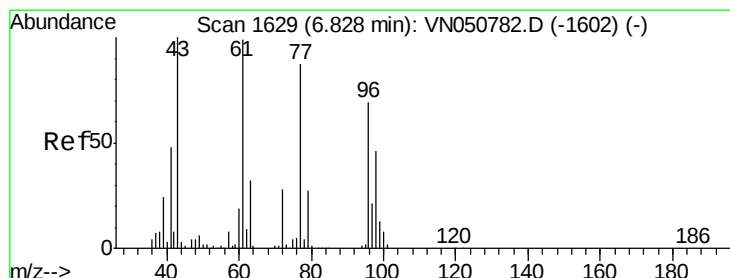
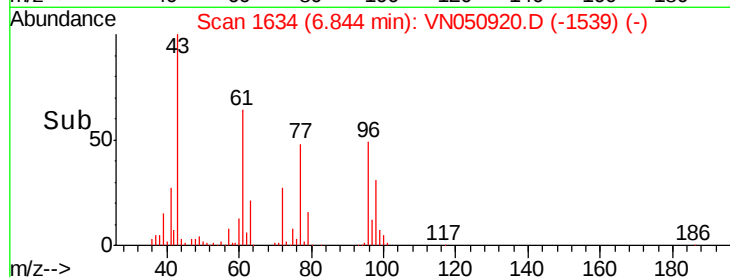
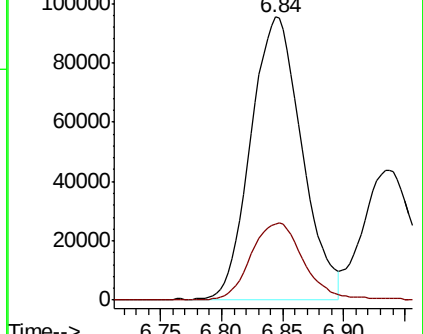
MMDadoda

8/29/2018 11:10:35 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 17.61 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050920.D

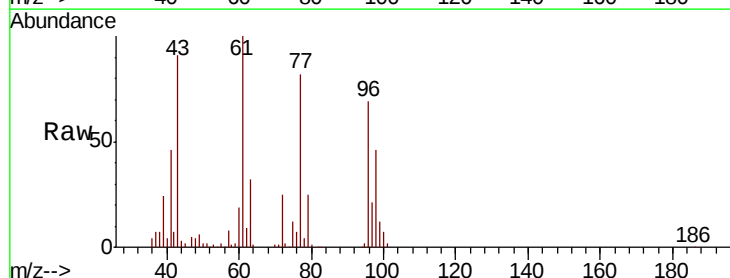
Acq: 28 Aug 2018 18:13

Tgt Ion: 77 Resp: 189314

Ion Ratio Lower Upper

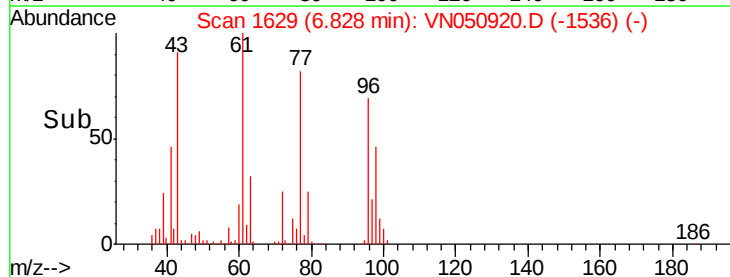
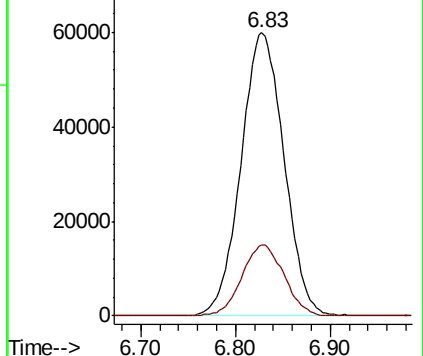
77 100

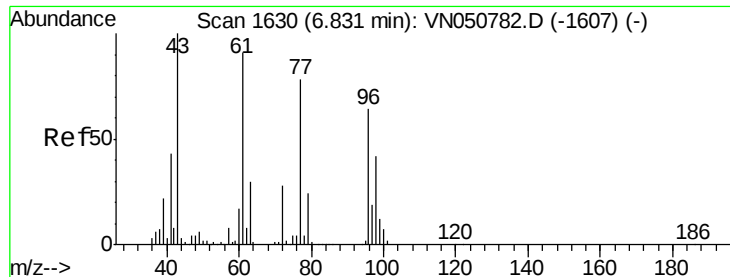
97 24.7 12.0 36.0



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.59 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

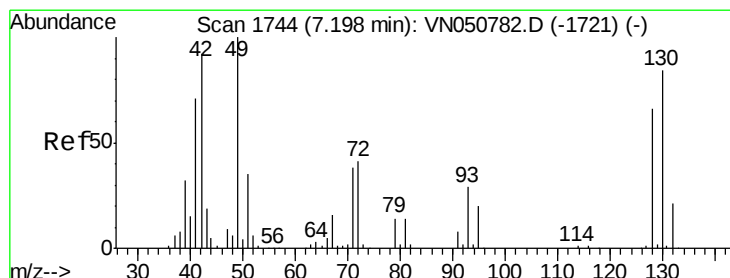
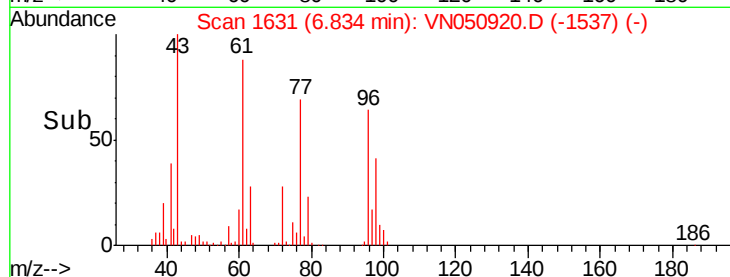
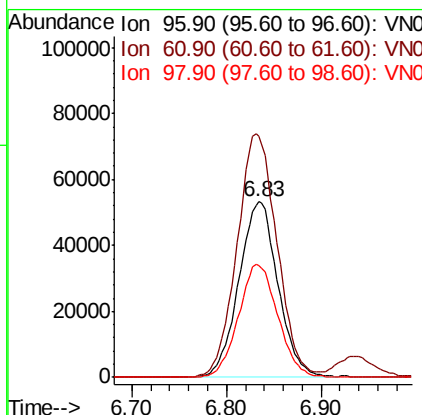
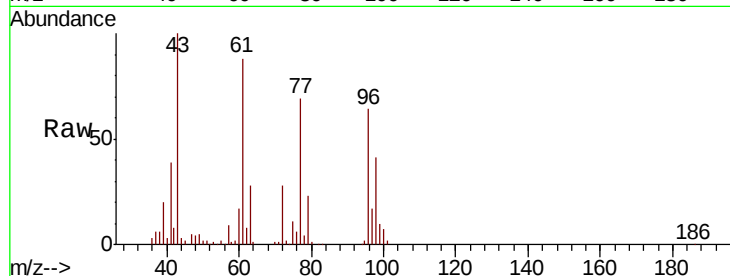
ClientSampleId :

VN0828WBS02

Tot Ion:	96	Resp:	153236
Ion	Ratio	Lower	Upper
96	100		
61	141.3	0.0	283.4
98	64.5	0.0	129.8

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#28

Bromochloromethane

Concen: 19.69 ug/l

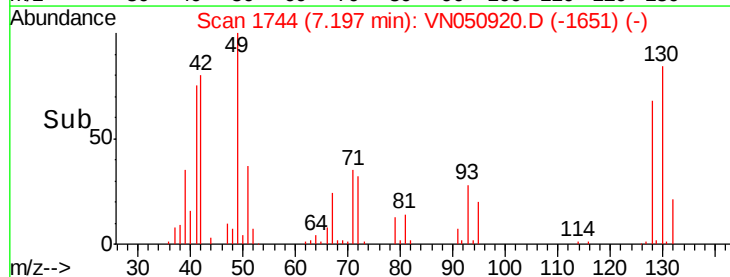
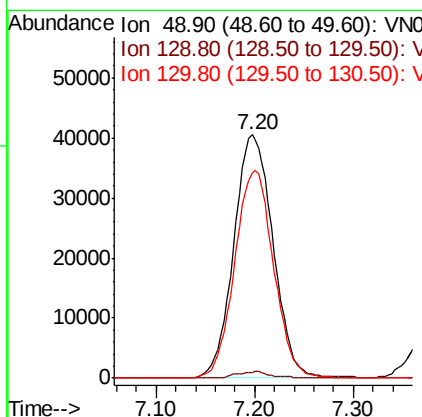
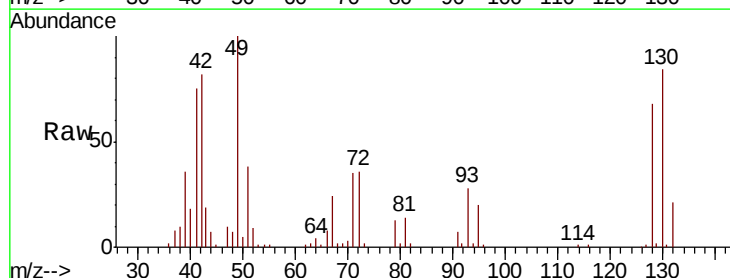
RT: 7.20 min Scan# 1744

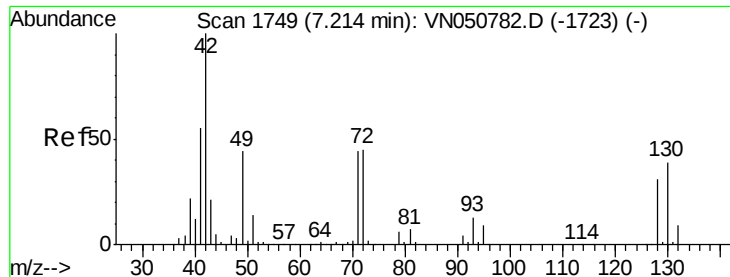
Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion:	49	Resp:	111923
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.2
130	84.3	67.1	100.7





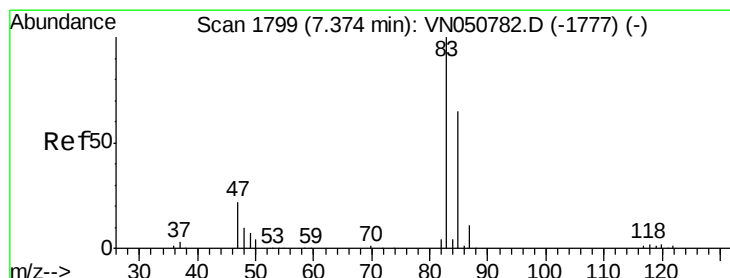
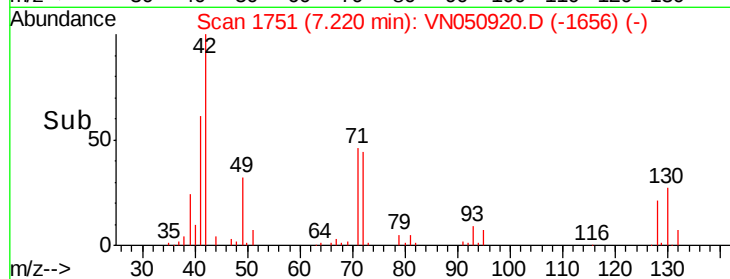
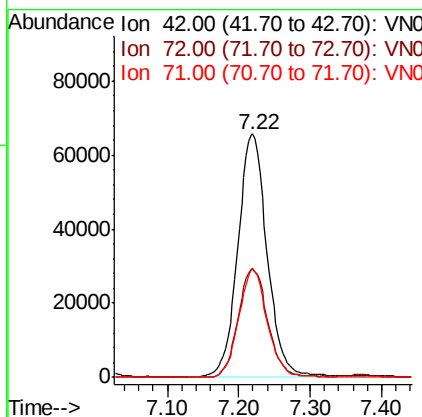
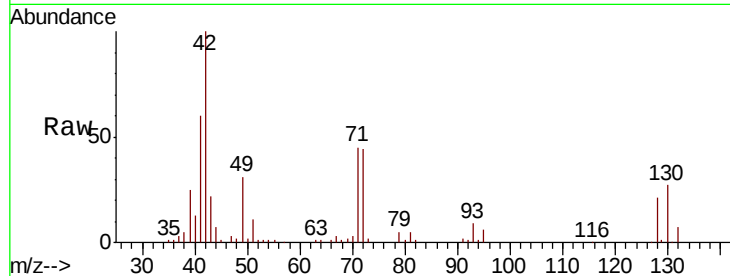
#29
Tetrahydrofuran
Concen: 113.49 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.01 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampled :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.5	53.3
71	43.0	33.7	50.5

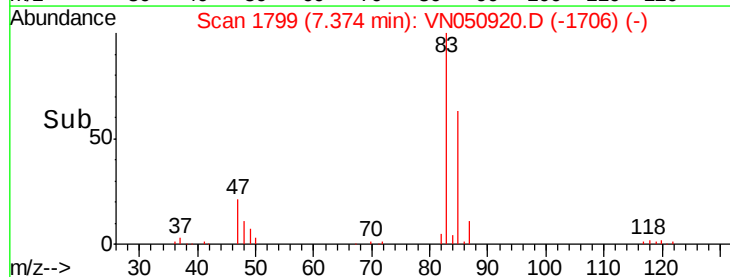
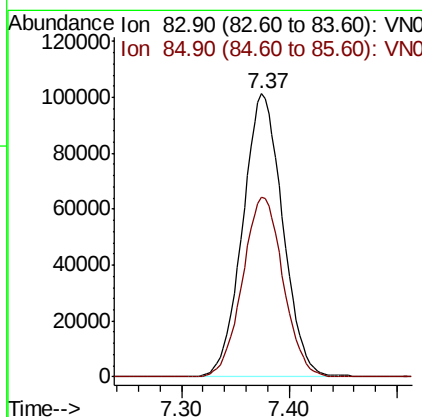
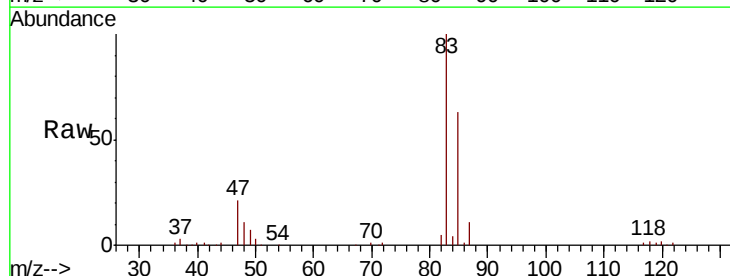
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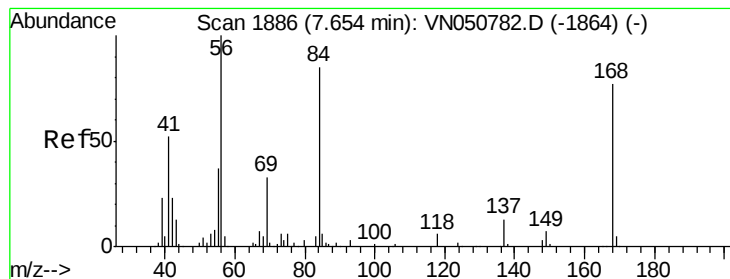
MMDadoda
8/29/2018 11:10:35 AM



#30
Chloroform
Concen: 19.70 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	52.2	78.4





#31

Cyclohexane

Concen: 18.61 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

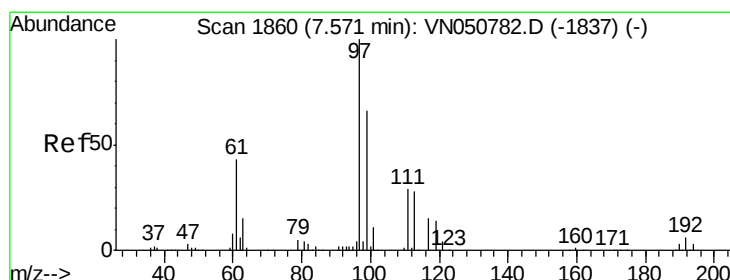
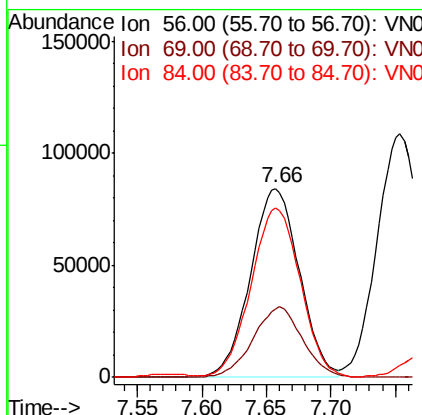
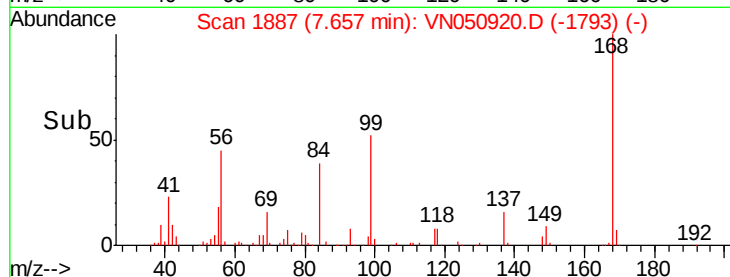
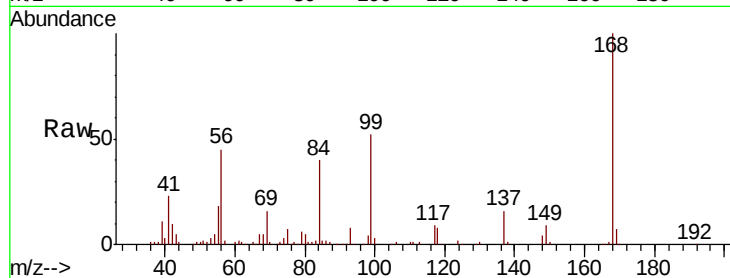
ClientSampleId :

VN0828WBS02

Tot Ion:	56	Resp:	222718
Ion Ratio	Lower	Upper	
56	100		
69	36.4	26.2	39.4
84	88.8	68.3	102.5

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#32

1,1,1-Trichloroethane

Concen: 19.33 ug/l

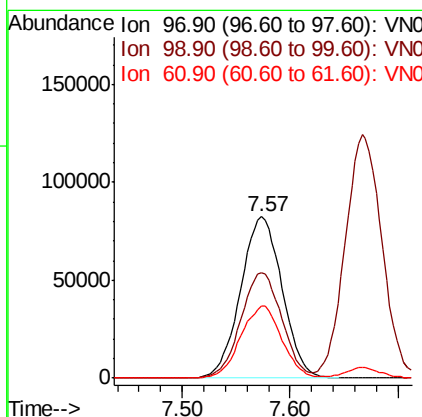
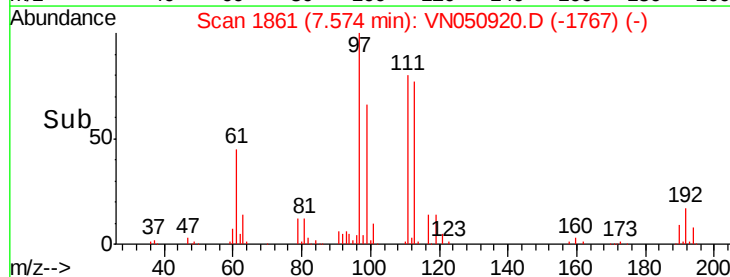
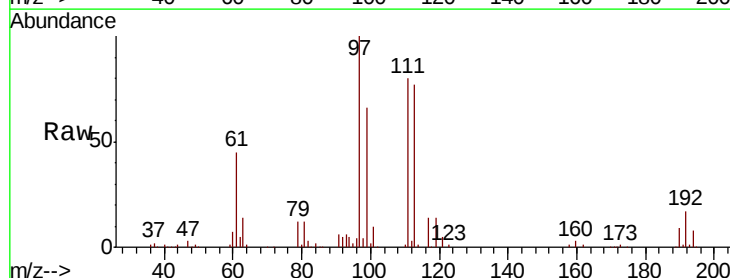
RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion:	97	Resp:	219958
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.8	77.6
61	44.3	34.9	52.3





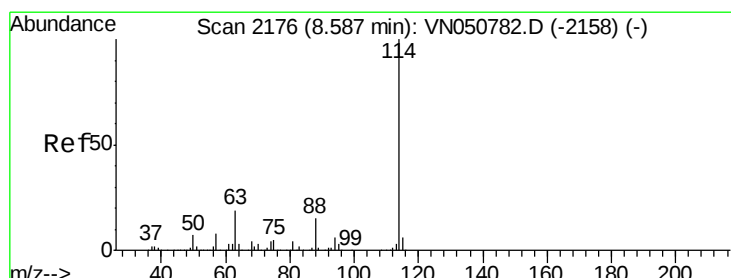
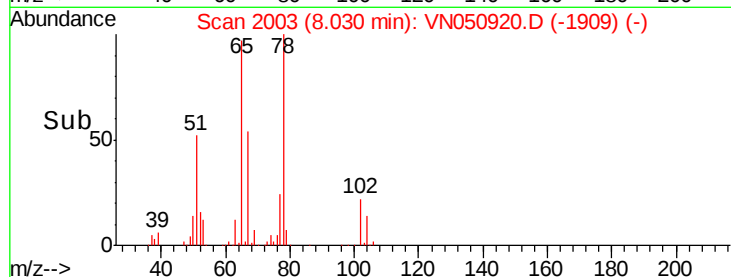
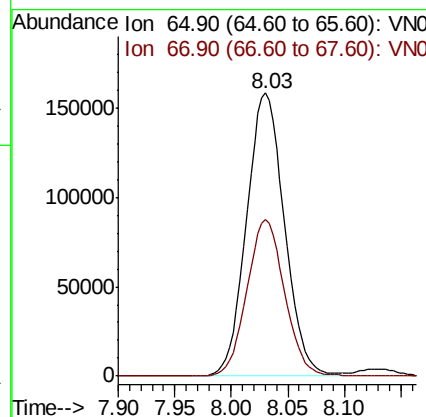
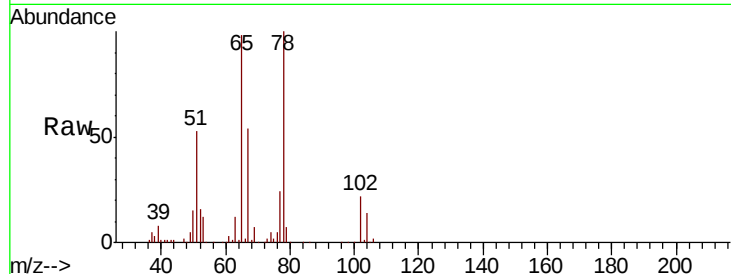
#33
 1,2-Dichloroethane-d4
 Concen: 51.35 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	369299		
67	54.8	0.0	110.4	

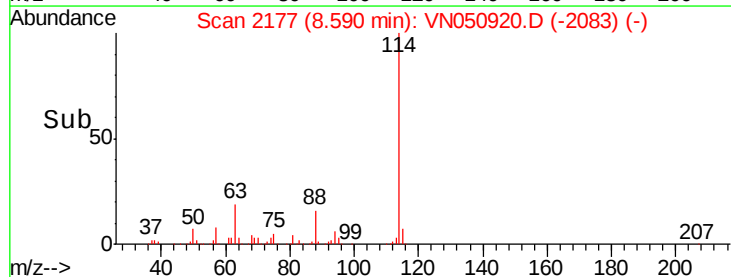
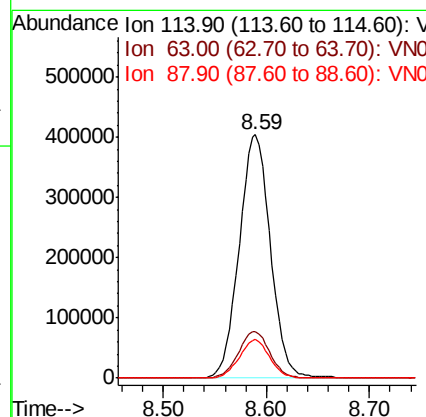
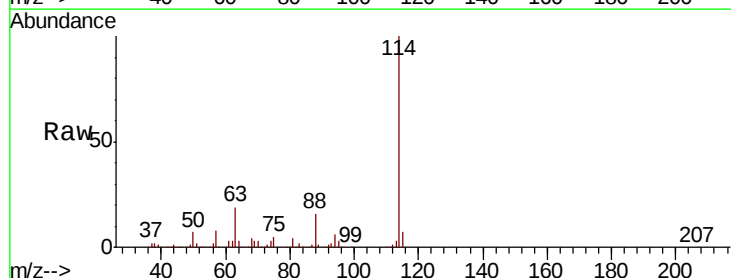
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	851332		
63	19.3	0.0	38.6	
88	15.7	0.0	30.6	





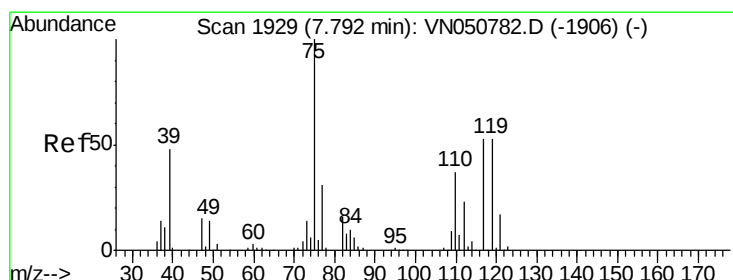
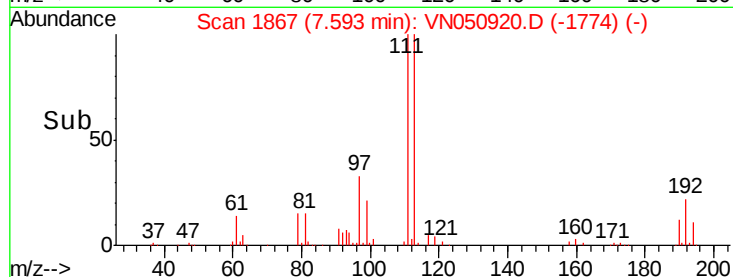
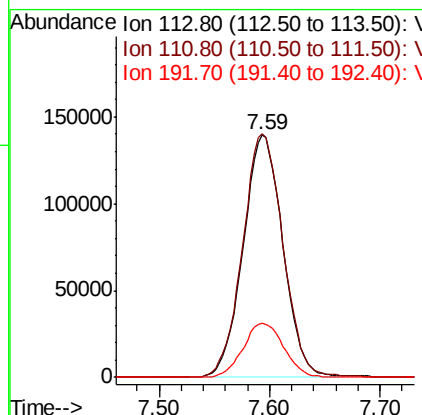
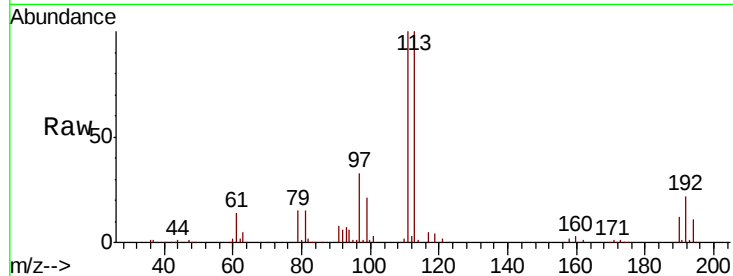
#35
 Dibromofluoromethane
 Concen: 51.32 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.6	82.6	123.8	
192	23.0	18.0	27.0	

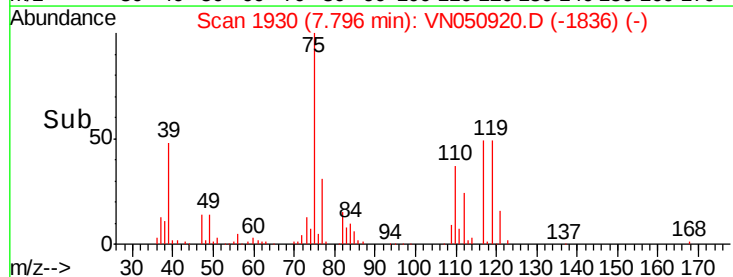
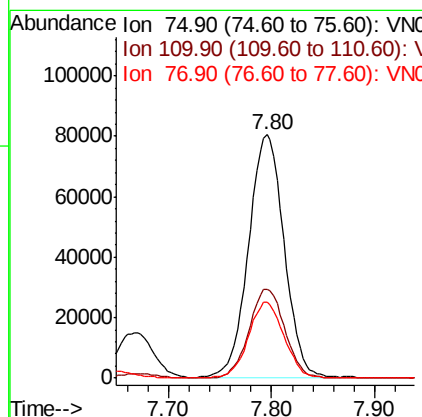
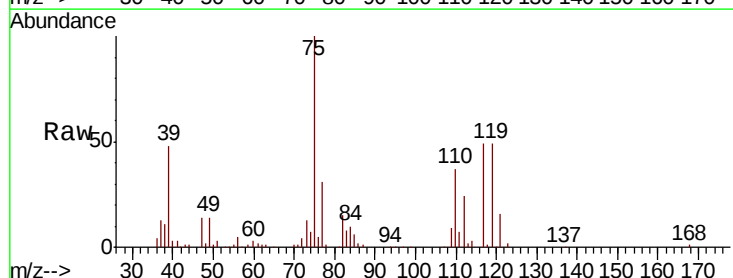
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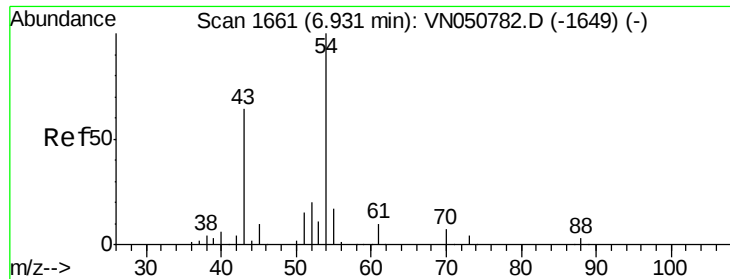
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#36
 1,1-Dichloropropene
 Concen: 19.10 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.8	18.1	54.4	
77	31.7	24.8	37.2	





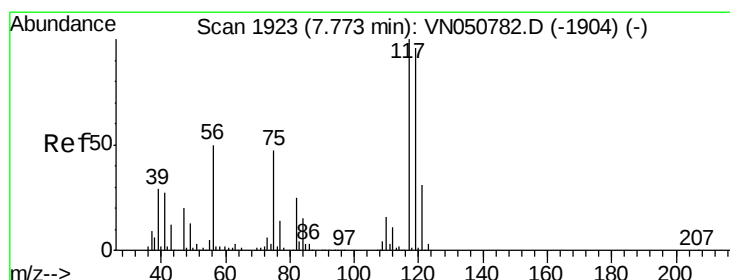
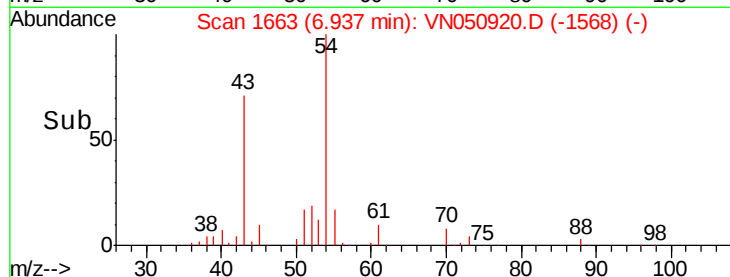
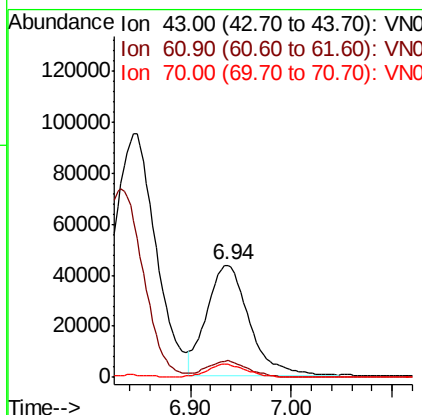
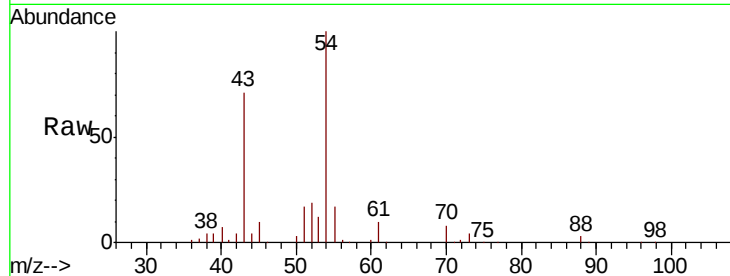
#37
Ethyl Acetate
Concen: 21.89 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.01 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	12.0	18.0
70	11.1	8.6	13.0

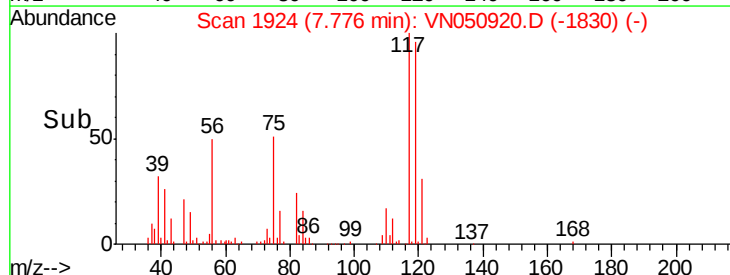
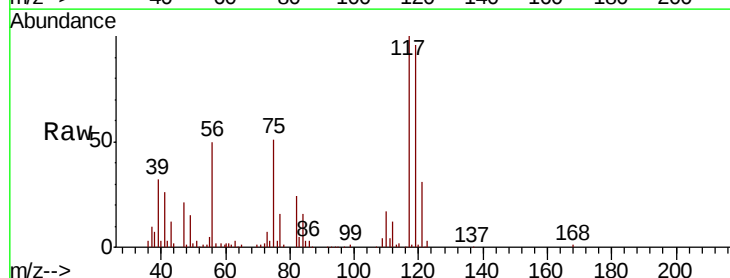
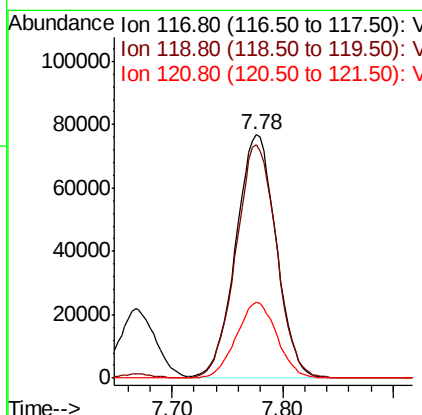
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#38
Carbon Tetrachloride
Concen: 19.21 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.3	114.5
121	31.2	24.6	36.8





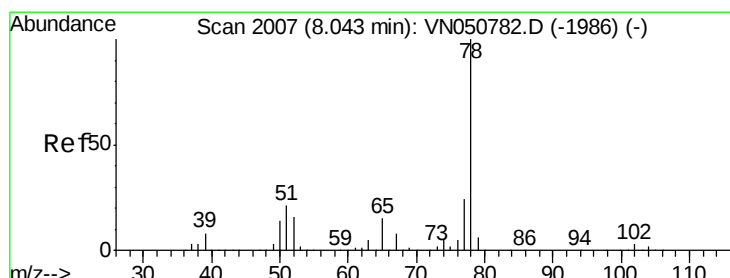
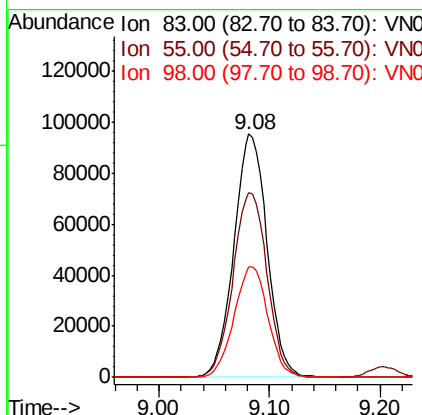
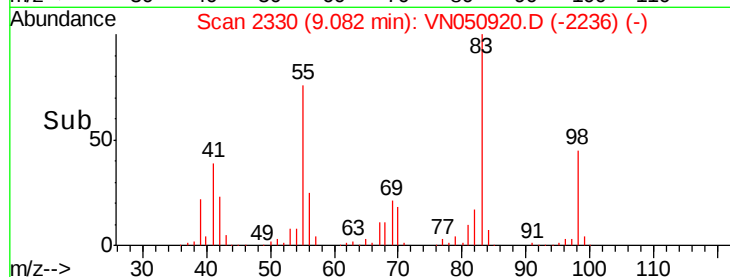
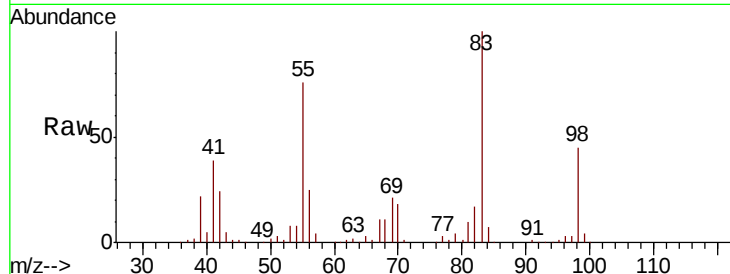
#39
Methvlcvclohexane
Concen: 18.28 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.9	61.0	91.4
98	45.2	37.5	56.3

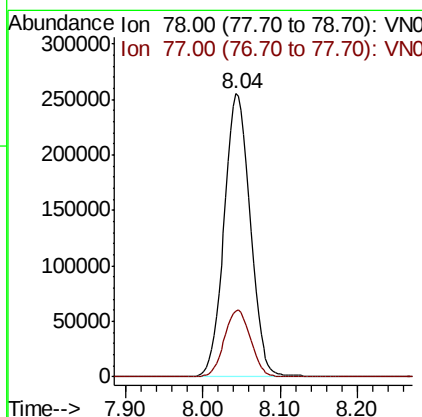
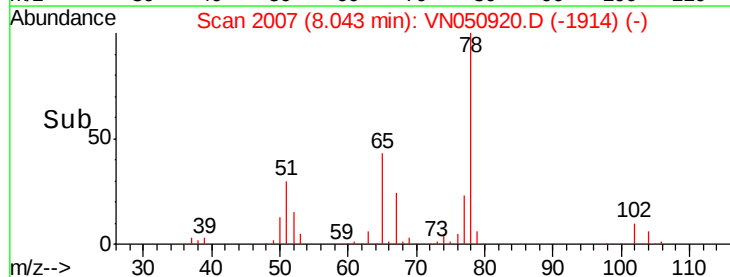
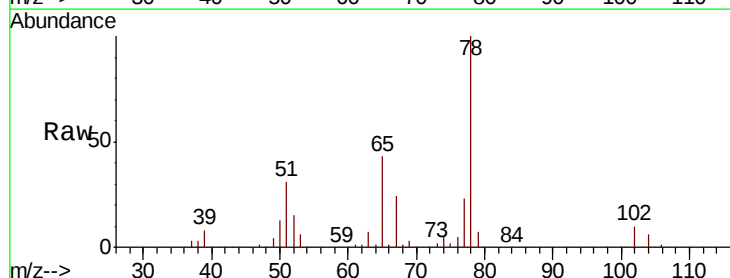
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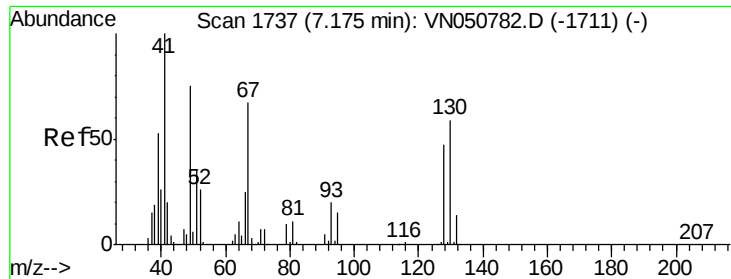
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#40
Benzene
Concen: 19.71 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





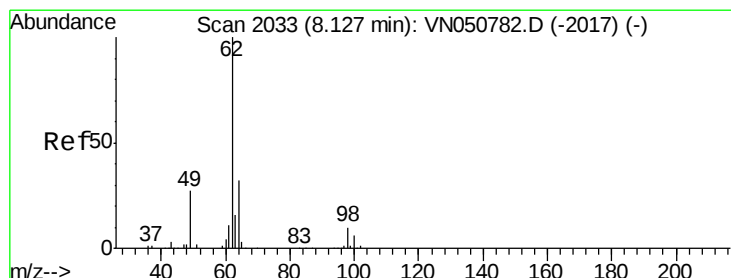
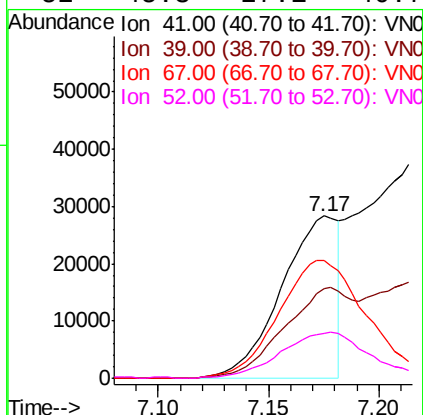
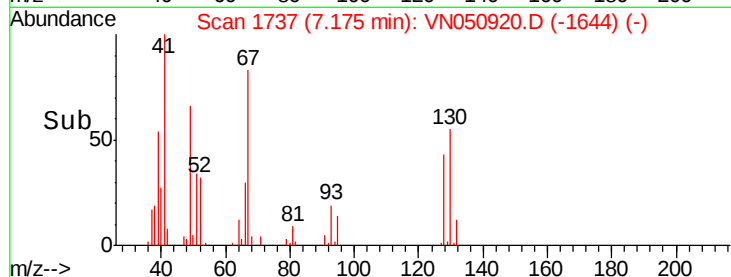
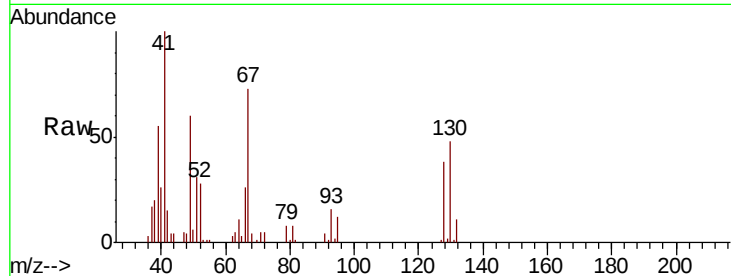
#41
Methacrylonitrile
Concen: 16.20 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.7	45.4	68.0#
67	115.1	70.6	106.0#
52	45.3	27.1	40.7#

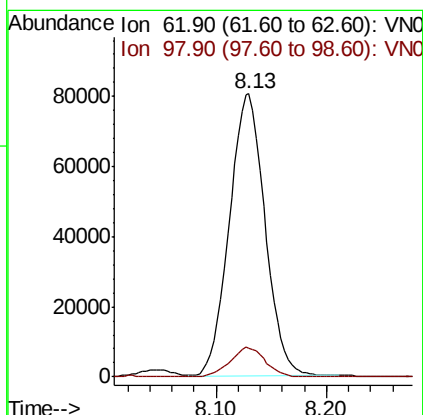
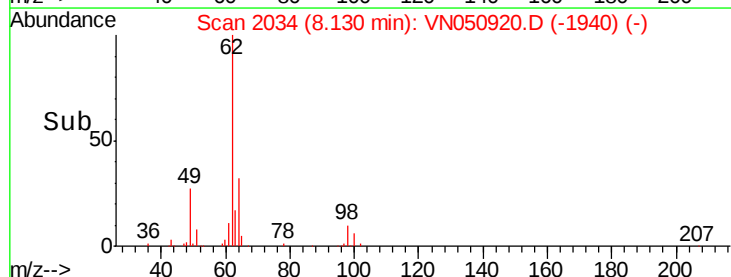
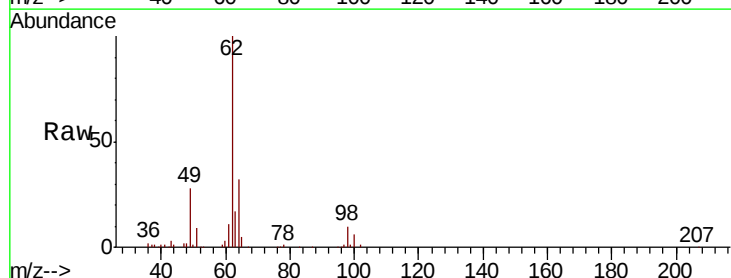
Manual Integrations
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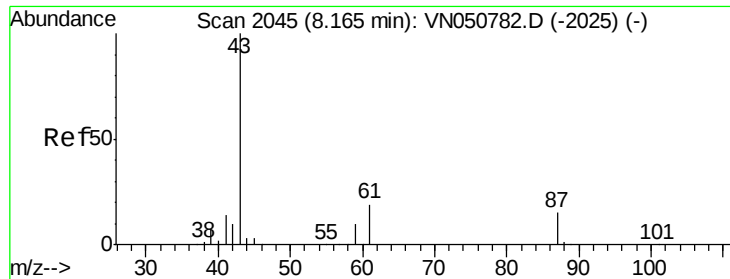
MMDadoda
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#42
1,2-Dichloroethane
Concen: 19.95 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.6





#43

Isopropyl Acetate

Concen: 21.17 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

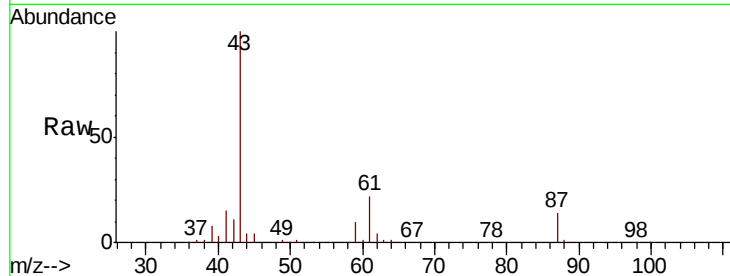
ClientSampleId :

VN0828WBS02

Tot Ion:	43	Resp:	210067
Ion	Ratio	Lower	Upper
43	100		
61	31.7	17.5	26.3#
87	14.5	11.3	16.9

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8/29/2018 11:10:35 AM

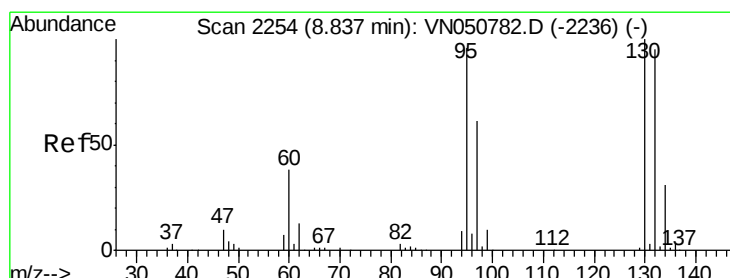
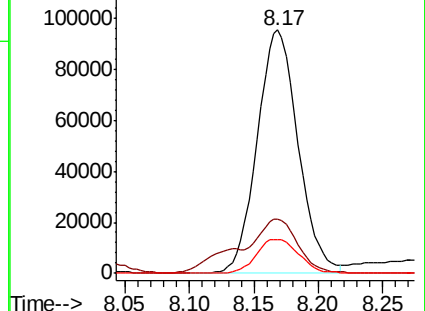
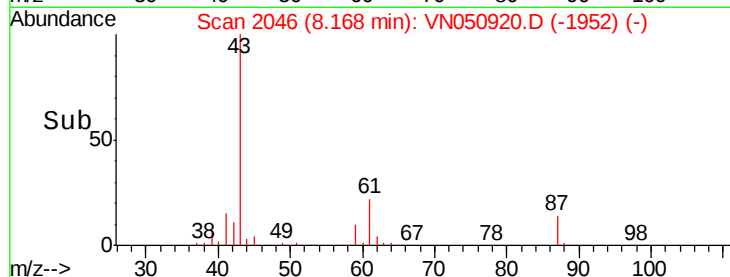


Abundance Ion 43.00 (42.70 to 43.70): VN050782.D (-2025) (-)

Ion 61.00 (60.70 to 61.70): VN050782.D (-2025) (-)

Ion 87.00 (86.70 to 87.70): VN050782.D (-2025) (-)

Time-->



#44

Trichloroethene

Concen: 19.31 ug/l

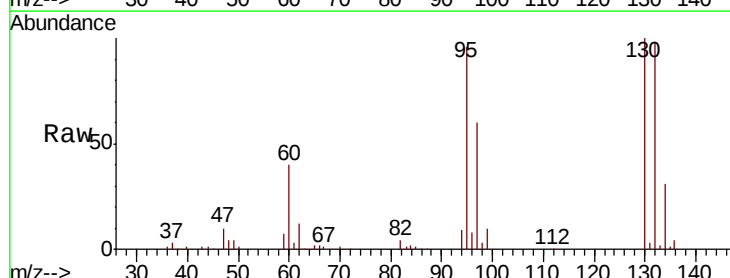
RT: 8.84 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

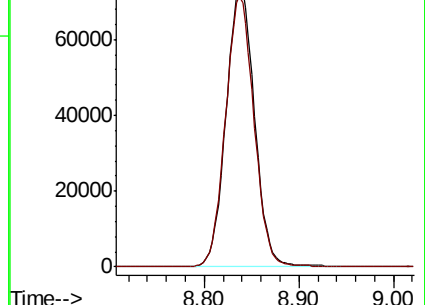
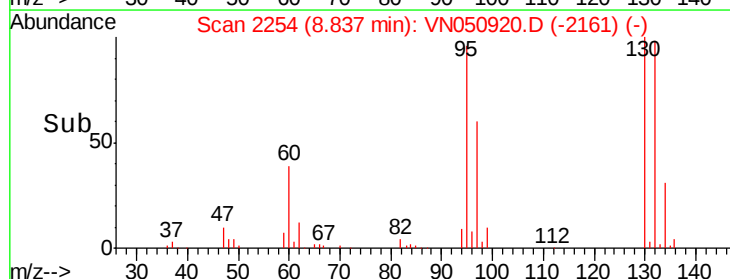
Tgt Ion:	130	Resp:	154281
Ion	Ratio	Lower	Upper
130	100		
95	95.8	0.0	193.0

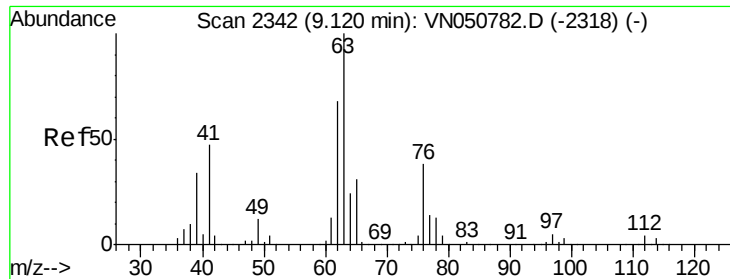


Abundance Ion 129.80 (129.50 to 130.50): VN050782.D (-2236) (-)

Ion 94.90 (94.60 to 95.60): VN050782.D (-2236) (-)

Time-->





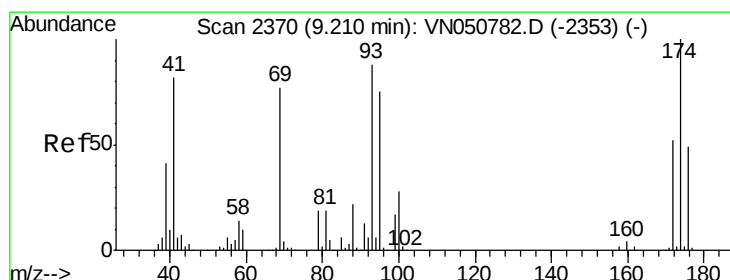
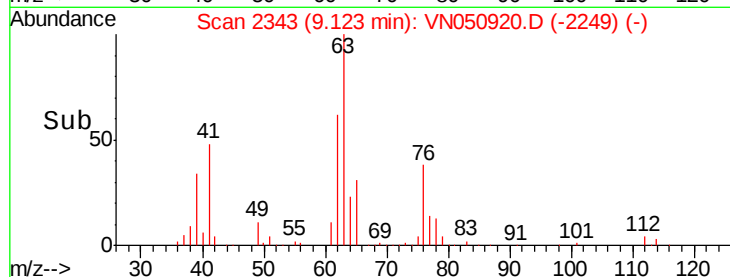
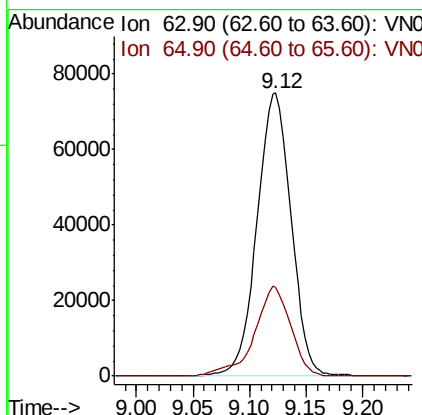
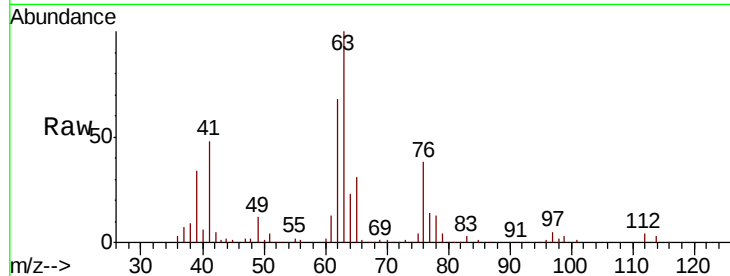
#45
 1,2-Dichloropropane
 Concen: 19.72 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0828WBS02

Tot Ion: 63 Resp: 157027
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

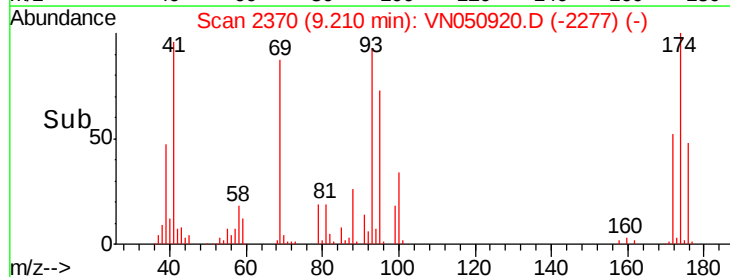
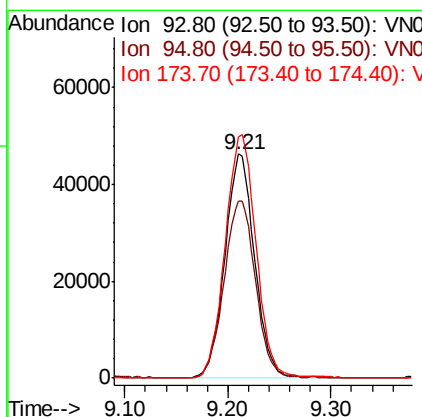
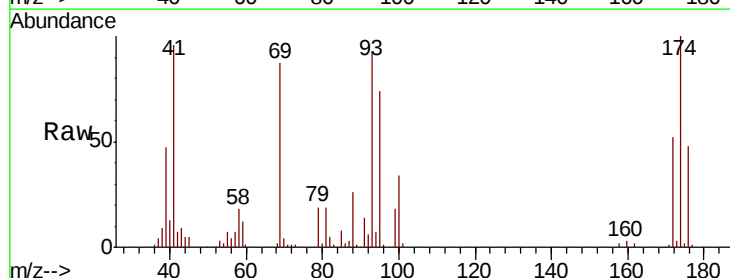
Manual Integrations
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 8/29/2018 11:10:35 AM



#46
 Dibromomethane
 Concen: 19.93 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion: 93 Resp: 93254
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.7 100.1
 174 112.1 89.8 134.6





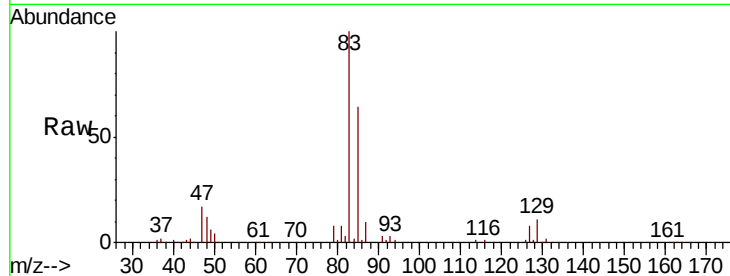
#47
Bromodichloromethane
Concen: 19.76 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

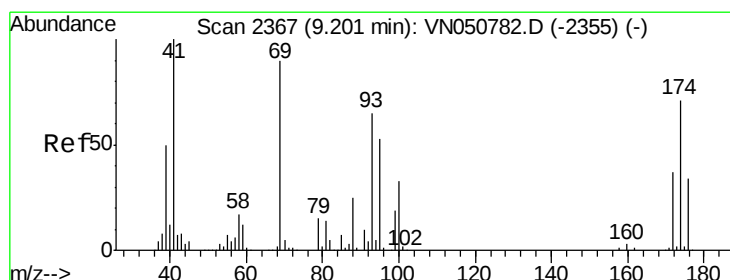
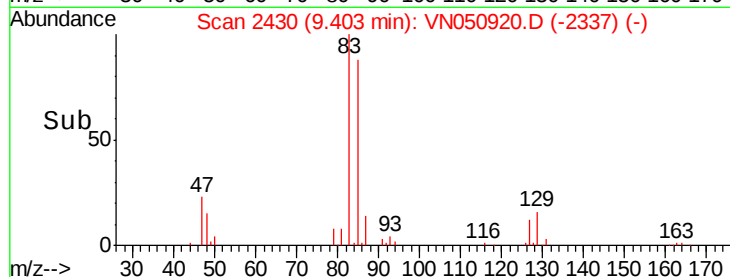
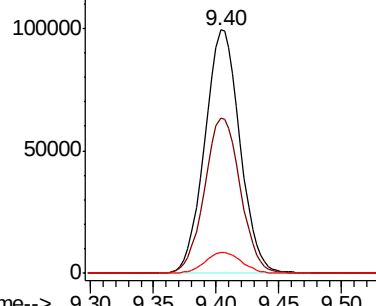
Tot Ion	Ratio	Resp	Lower	Upper
83	100	193643		
85	63.8	52.6	78.8	
127	8.4	7.2	10.8	

Manual Integrations
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MMDadoda
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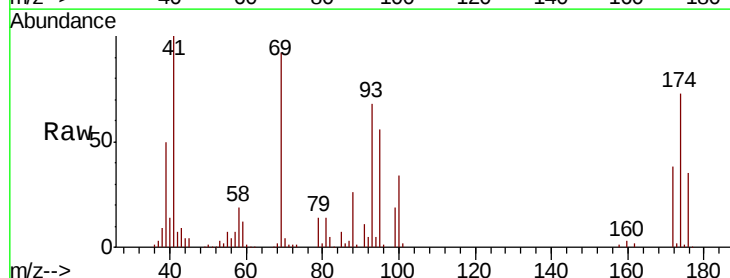


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

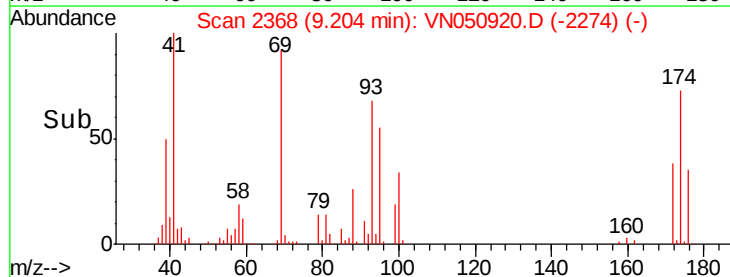
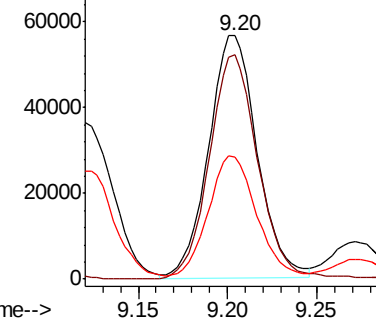


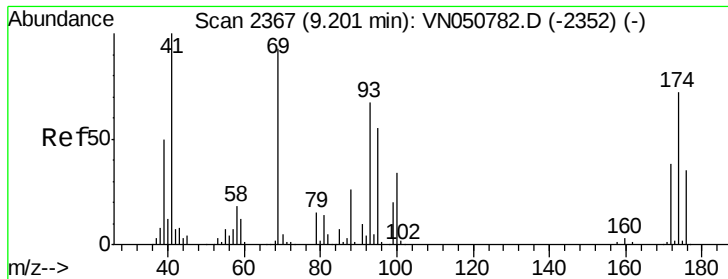
#48
Methyl methacrylate
Concen: 21.25 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	107443		
69	92.3	74.7	112.1	
39	50.6	42.2	63.2	



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





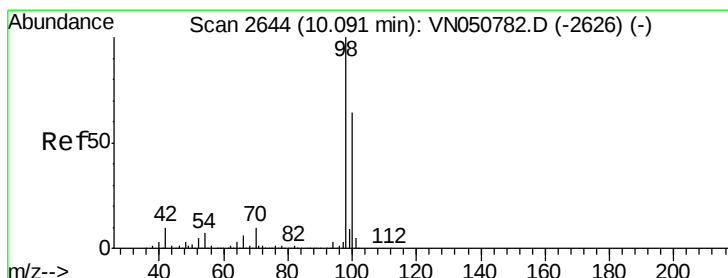
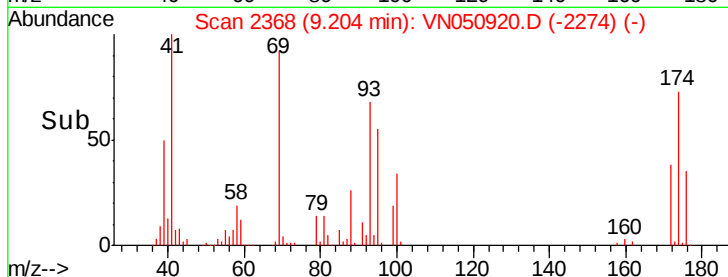
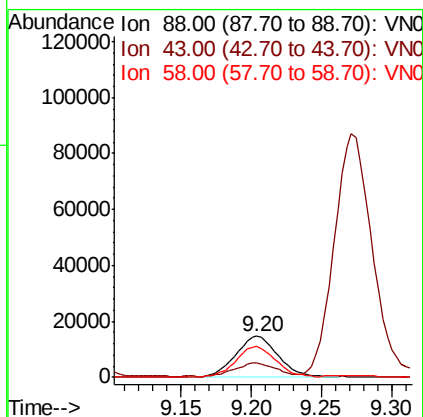
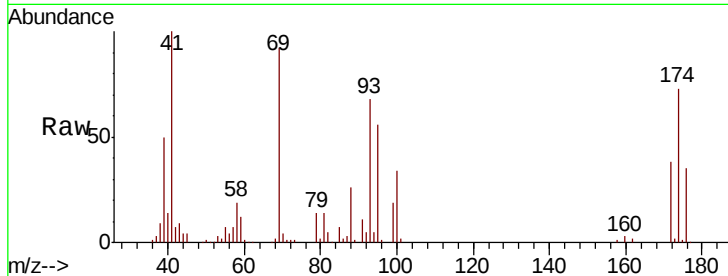
#49
 1,4-Dioxane
 Concen: 449.25 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.9	38.9
58	70.9	55.0	82.4

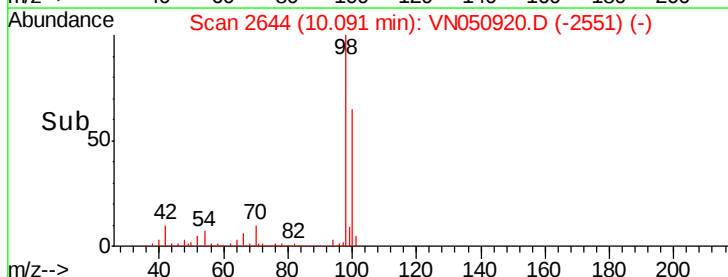
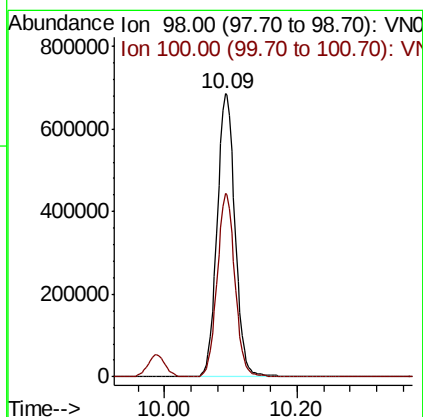
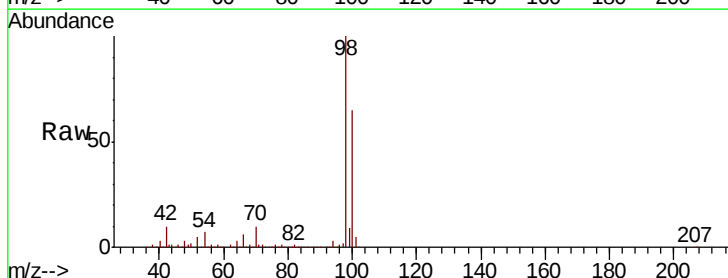
Manual Integrations
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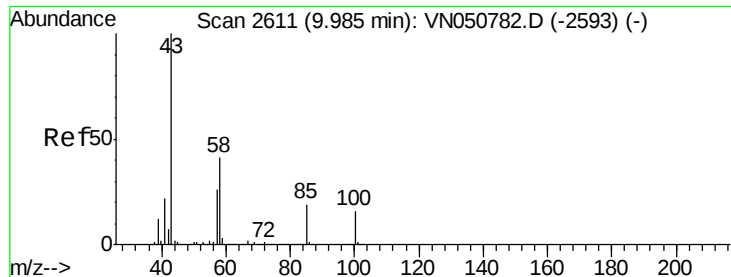
MMDadoda
 8/29/2018 11:10:35 AM



#50
 Toluene-d8
 Concen: 50.70 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3





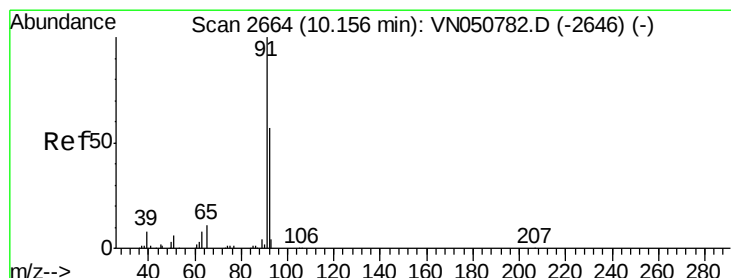
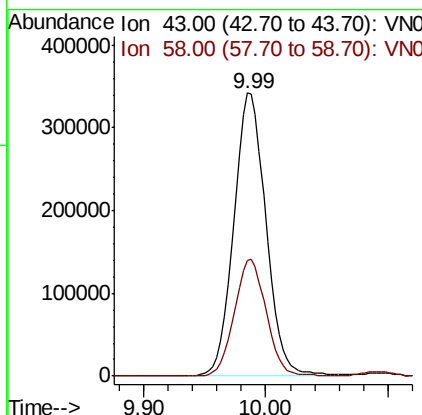
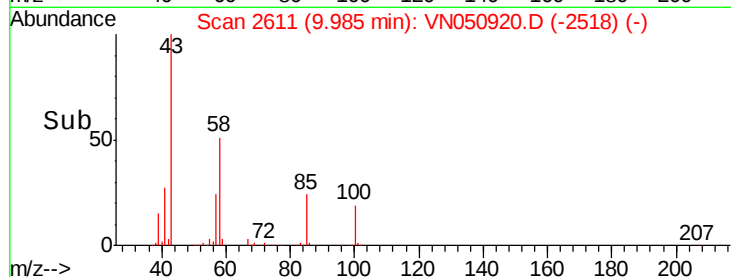
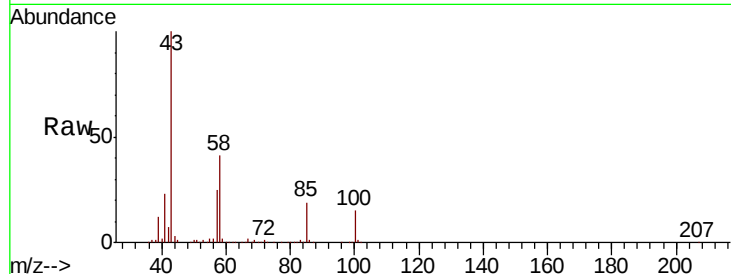
#51
4-Methyl-2-Pentanone
Concen: 105.25 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	41.0	32.4	48.6

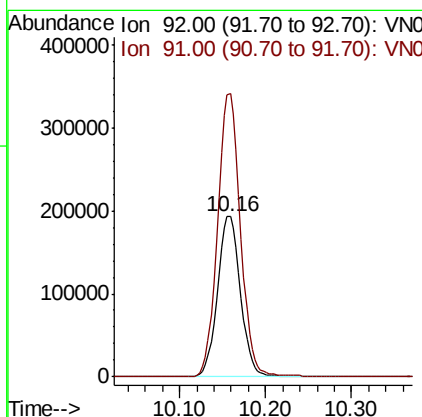
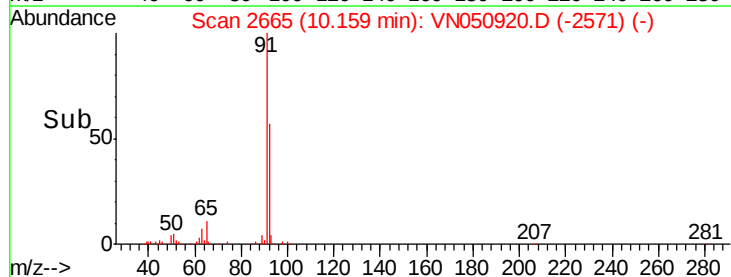
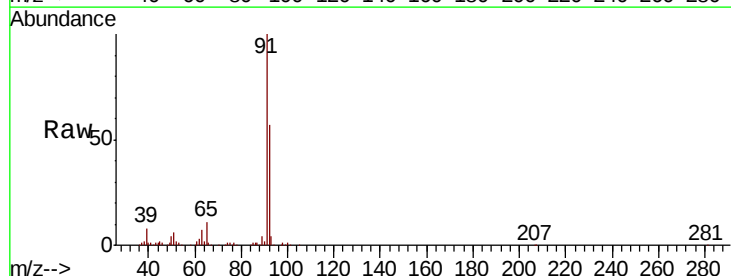
Manual Integrations
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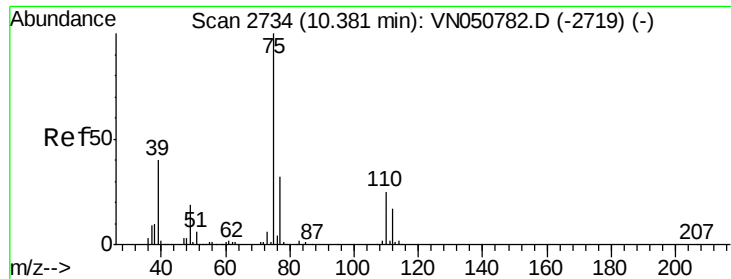
MMDadoda
8/29/2018 11:10:35 AM



#52
Toluene
Concen: 20.03 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	174.7	140.6	211.0





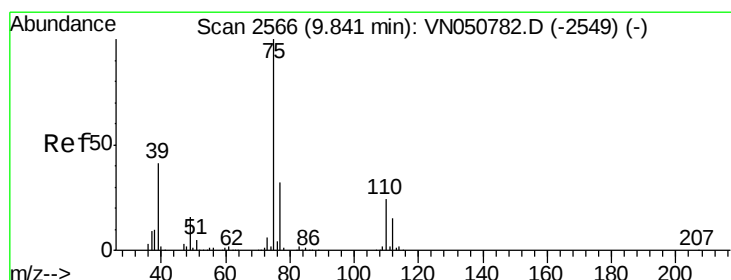
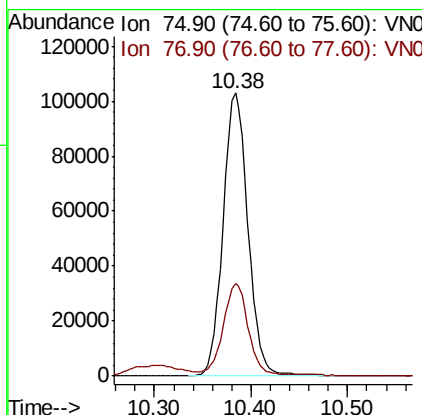
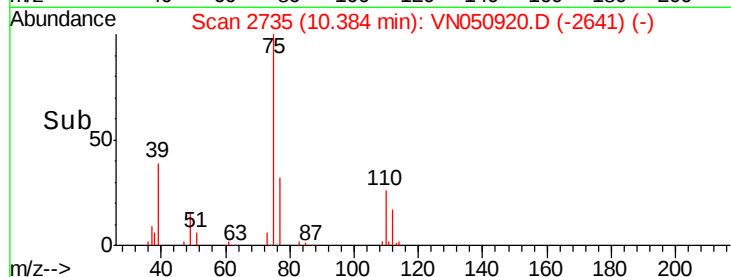
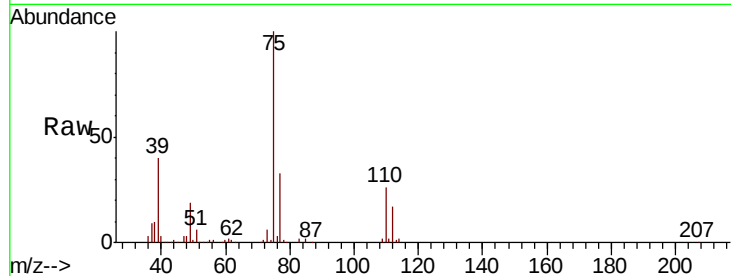
#53
t-1,3-Dichloropropene
Concen: 18.95 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampled :
VN0828WBS02

Tot Ion: 75 Resp: 184789
Ion Ratio Lower Upper
75 100
77 32.5 25.7 38.5

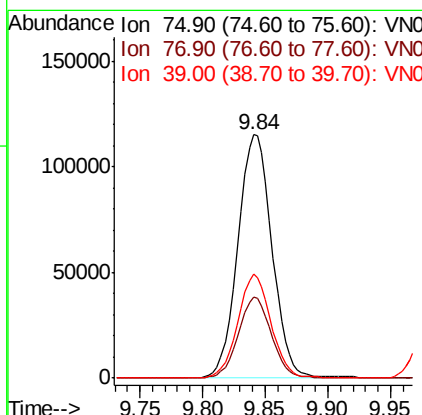
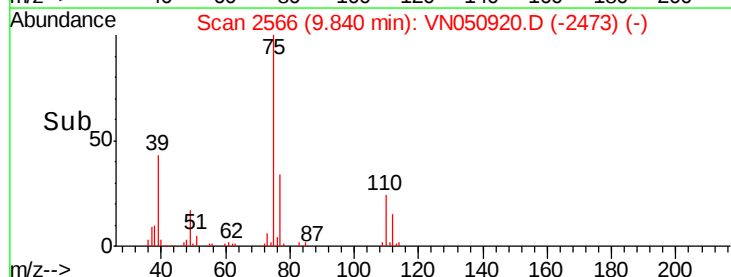
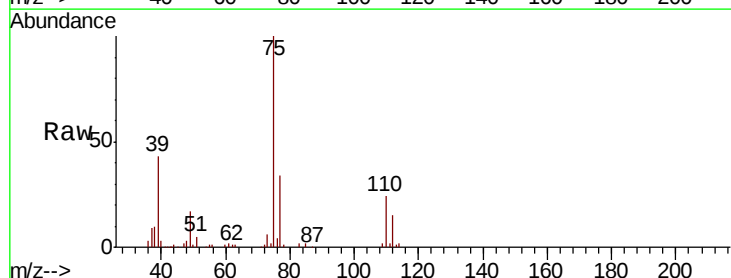
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8/29/2018 11:10:35 AM



#54
cis-1,3-Dichloropropene
Concen: 19.53 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion: 75 Resp: 218090
Ion Ratio Lower Upper
75 100
77 33.5 25.4 38.2
39 42.4 33.0 49.4





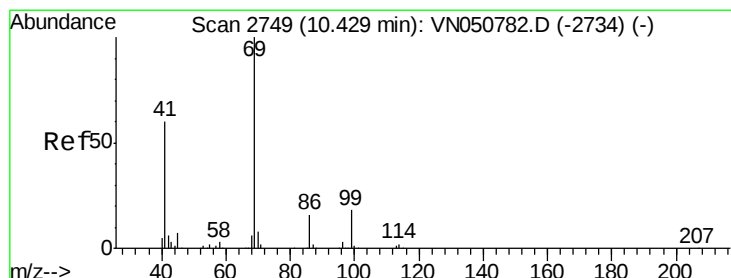
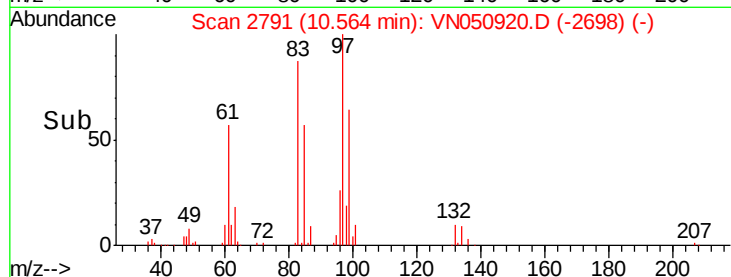
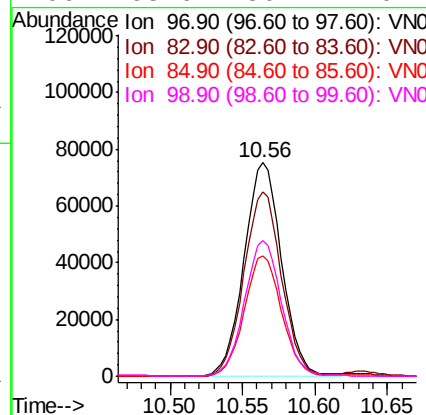
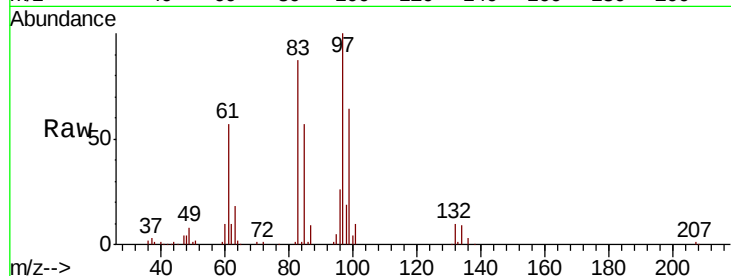
#55
 1,1,2-Trichloroethane
 Concen: 20.44 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		136115		
83	86.6	69.7	104.5		
85	56.5	44.5	66.7		
99	63.6	50.7	76.1		

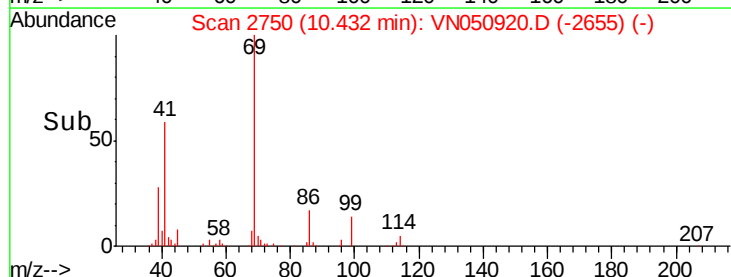
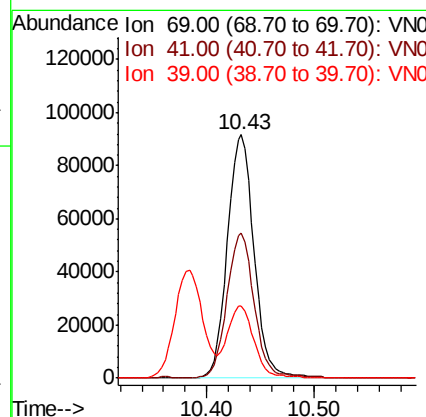
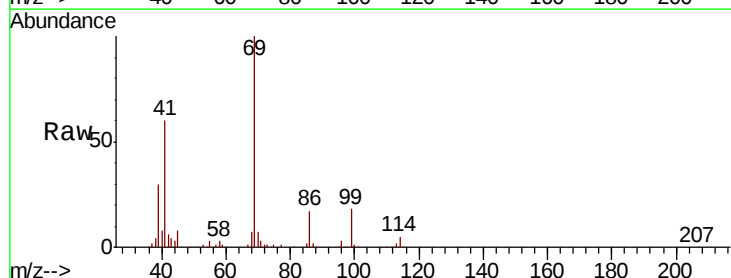
Manual Integrations
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 8/29/2018 11:10:35 AM



#56
 Ethyl methacrylate
 Concen: 19.73 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		158064		
41	59.8	48.3	72.5		
39	29.7	24.0	36.0		





#57

1,3-Dichloropropane

Concen: 20.52 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion: 76 Resp: 22575

Ion Ratio Lower Upper

76 100

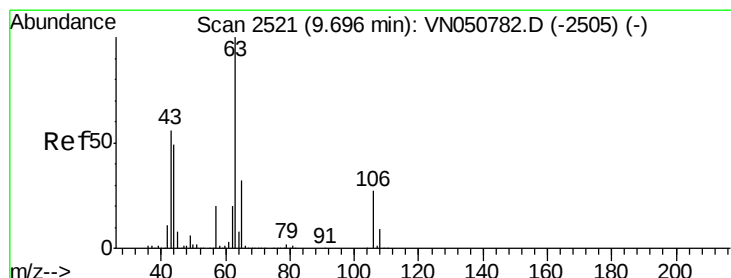
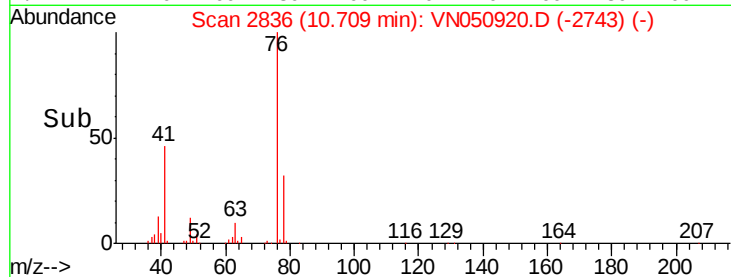
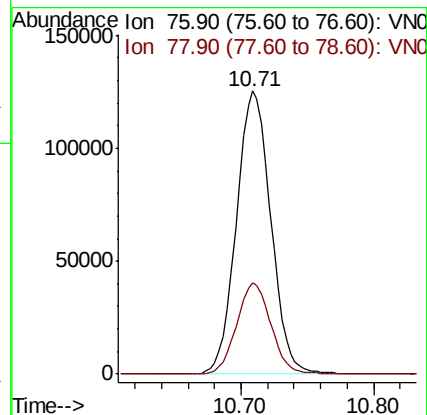
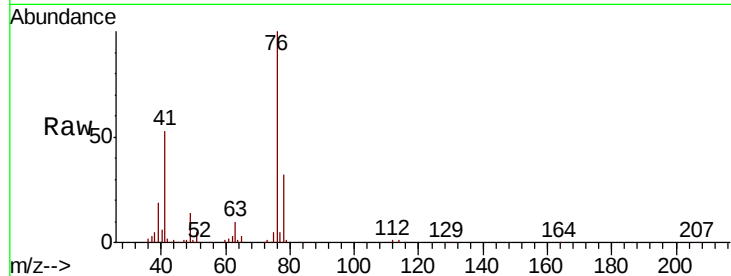
78 32.1 25.5 38.3

Manual Integrations

APPROVED

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8/29/2018 11:10:35 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.84 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050920.D

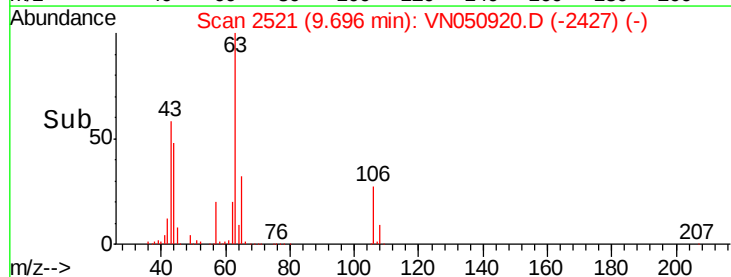
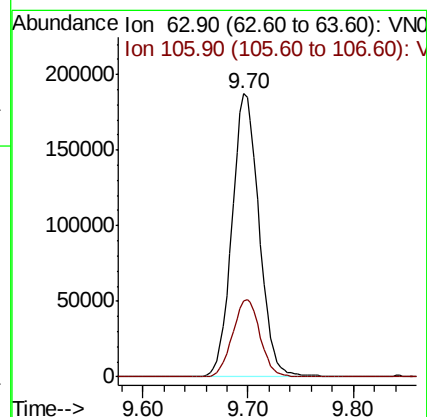
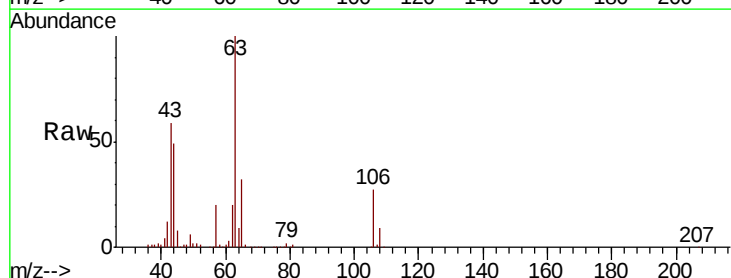
Acq: 28 Aug 2018 18:13

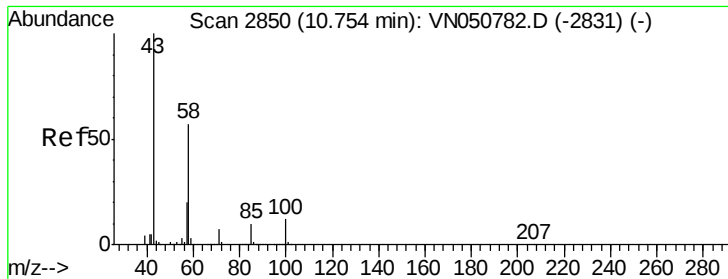
Tgt Ion: 63 Resp: 332395

Ion Ratio Lower Upper

63 100

106 27.8 21.9 32.9





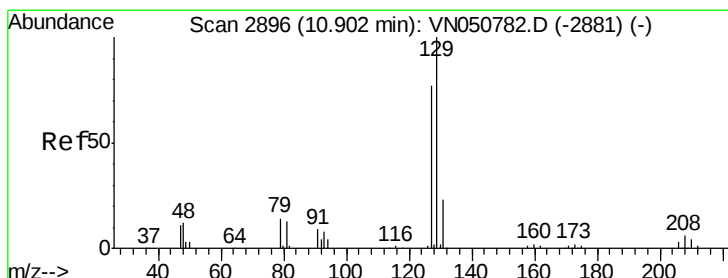
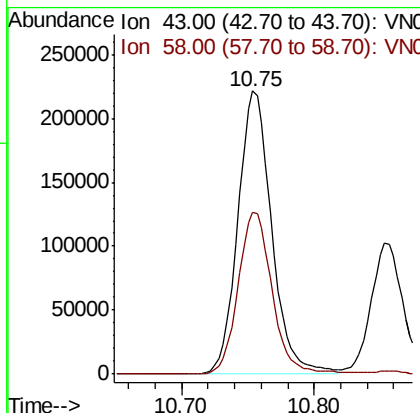
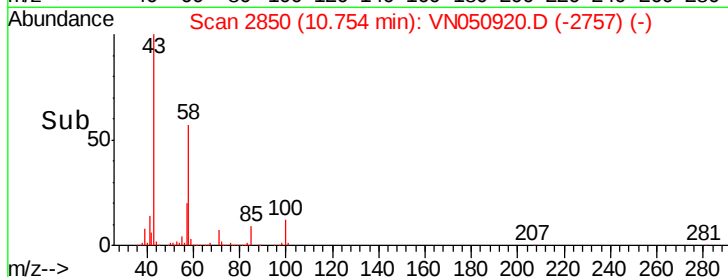
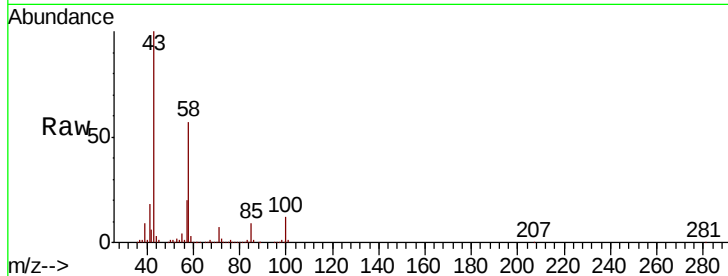
#59
2-Hexanone
Concen: 99.26 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	57.8	28.3	85.0

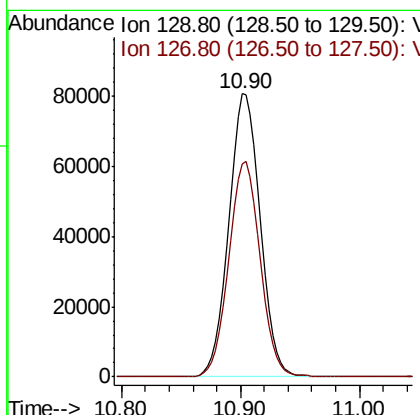
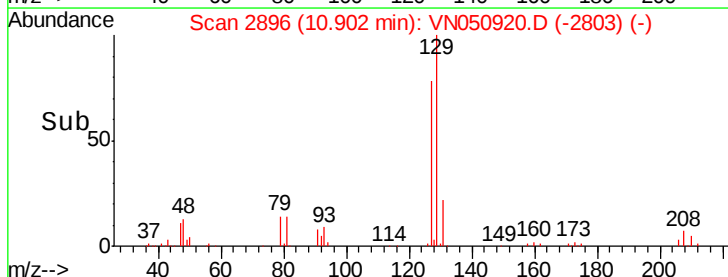
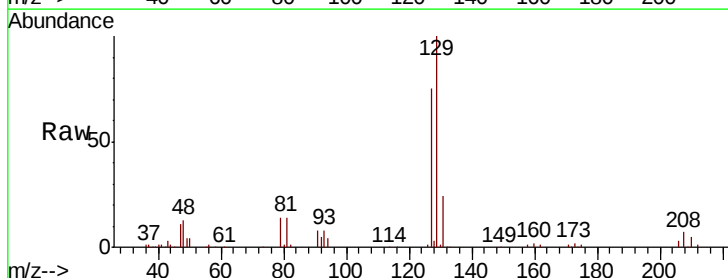
Manual Integrations
APPROVED

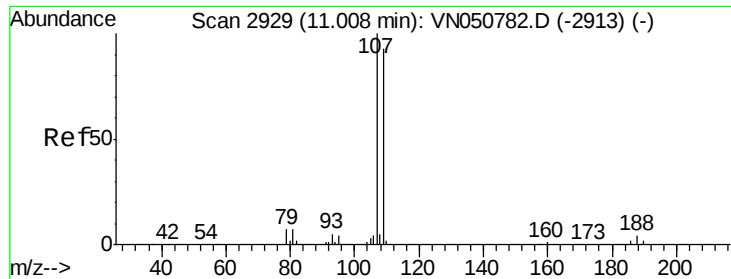
MMDadoda
8/29/2018 11:10:35 AM



#60
Dibromochloromethane
Concen: 19.76 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.1	38.3	114.9





#61

1,2-Dibromoethane

Concen: 20.05 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion: 107 Resp: 129106

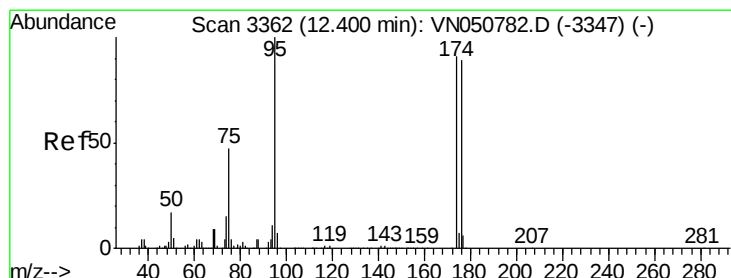
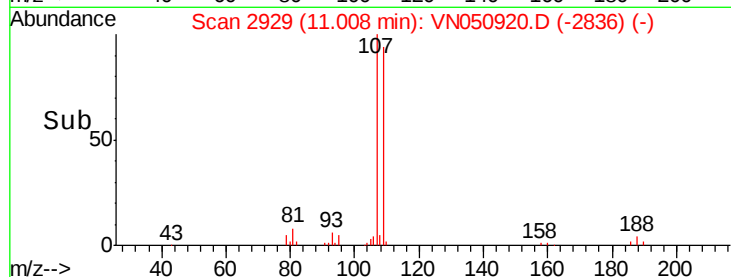
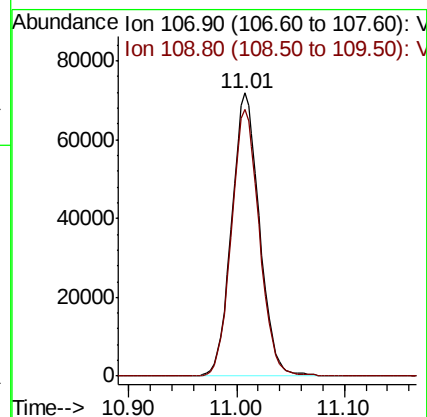
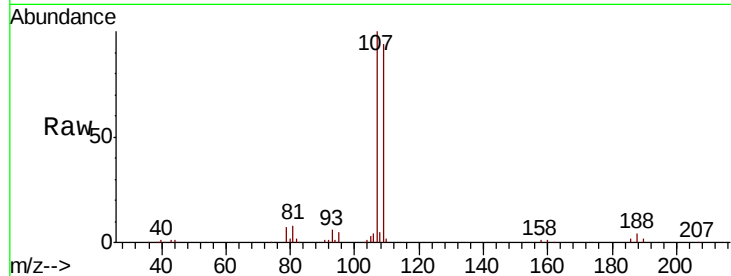
Ion Ratio Lower Upper

107 100

109 94.7 75.4 113.2

Manual Integrations
APPROVED

MMDadoda
8/29/2018 11:10:35 AM



#62

4-Bromofluorobenzene

Concen: 47.59 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

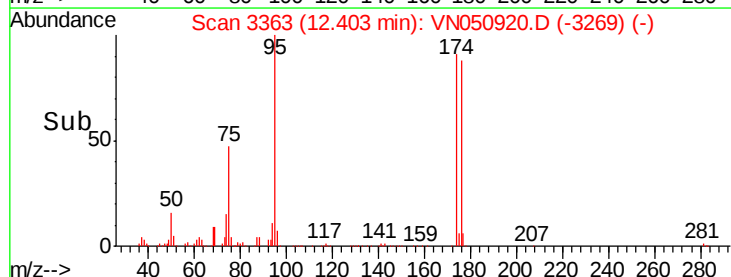
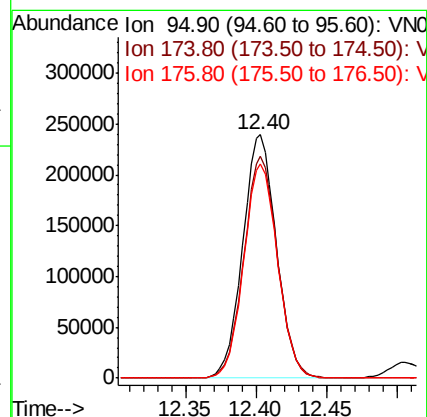
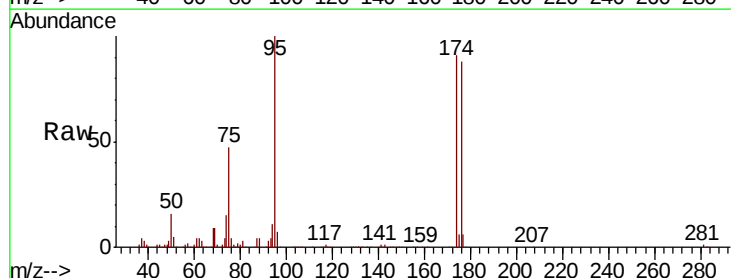
Tgt Ion: 95 Resp: 400448

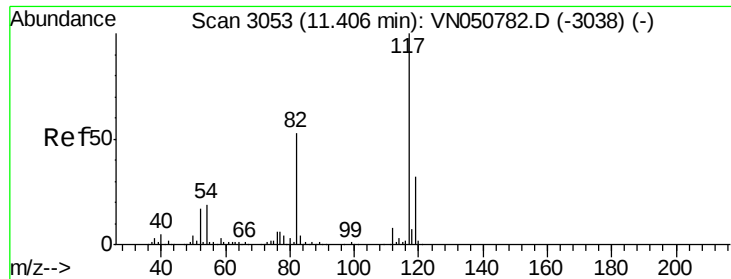
Ion Ratio Lower Upper

95 100

174 91.4 0.0 183.0

176 88.6 0.0 178.8





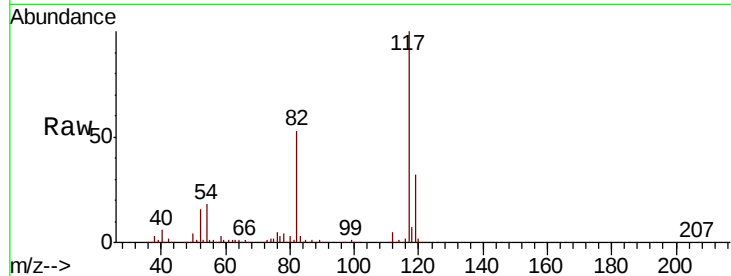
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.6	64.0
119	31.7	25.8	38.6

Manual Integrations
APPROVED

MMDadoda
8/29/2018 11:10:35 AM

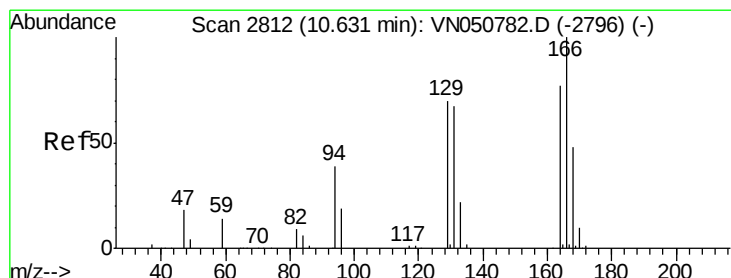
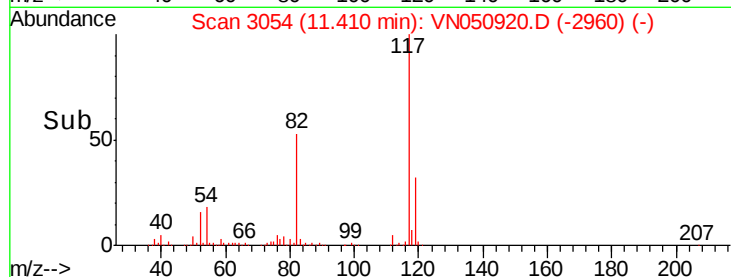
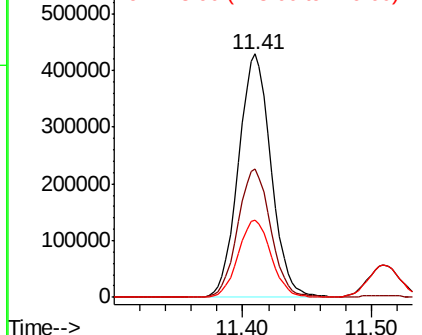


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.86 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.8	103.5	155.3
129	92.0	72.7	109.1
131	87.3	69.5	104.3

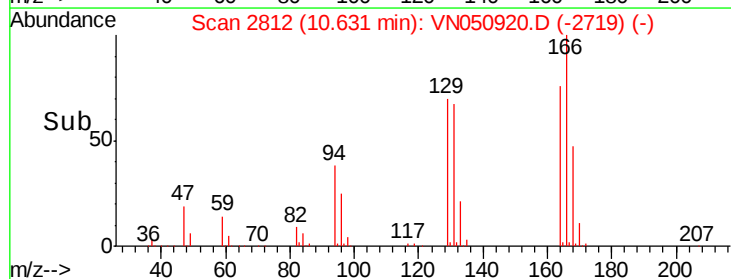
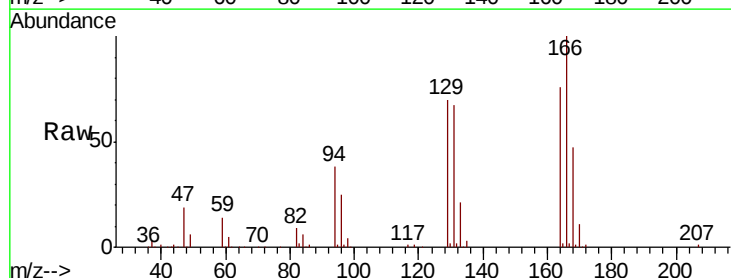
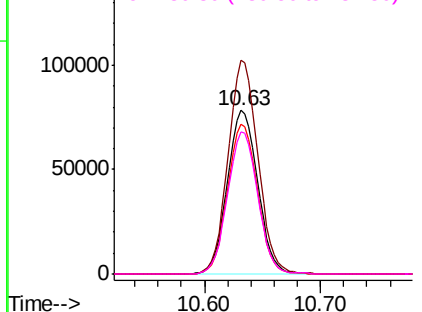
Abundance

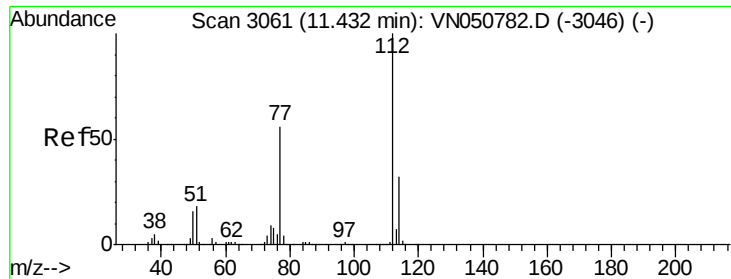
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





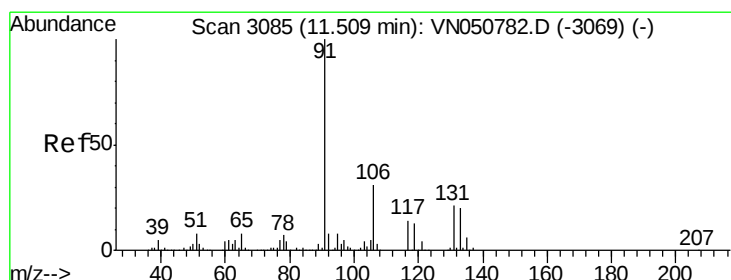
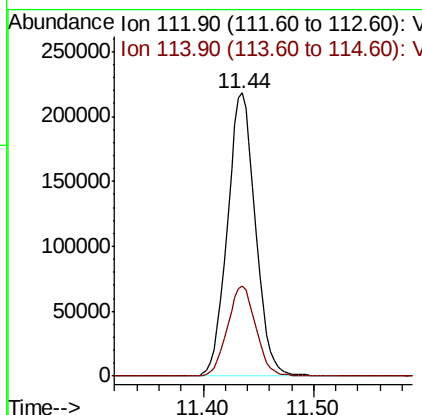
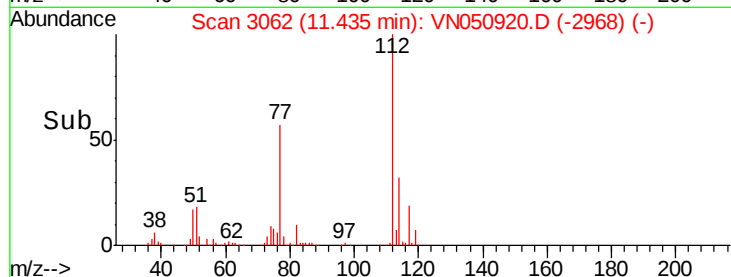
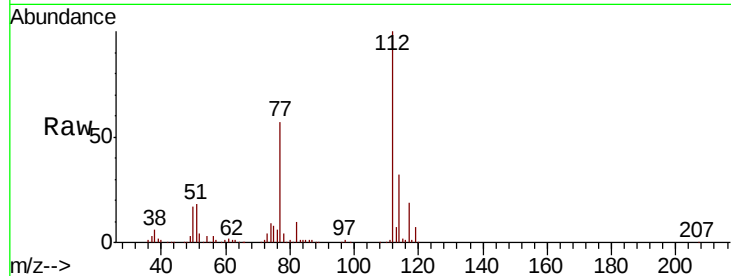
#65
Chlorobenzene
Concen: 19.46 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion:112 Resp: 383080
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

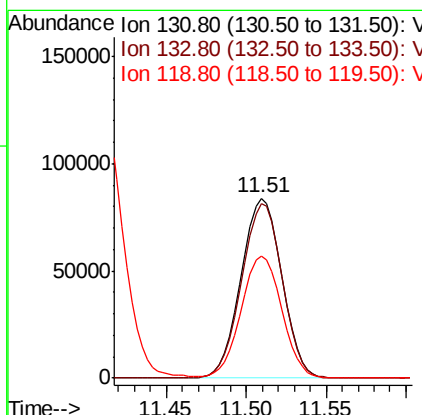
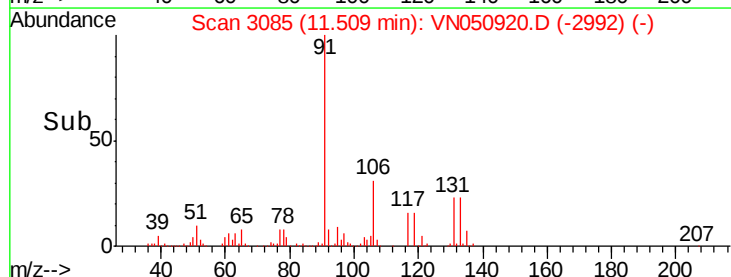
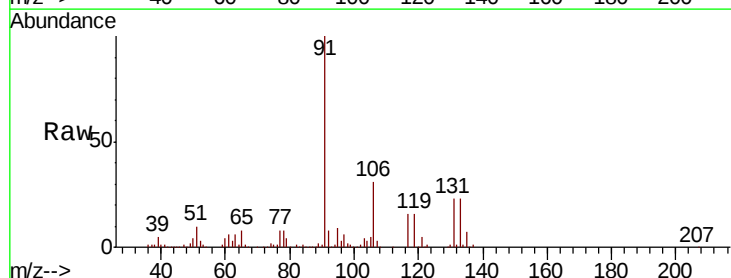
Manual Integrations
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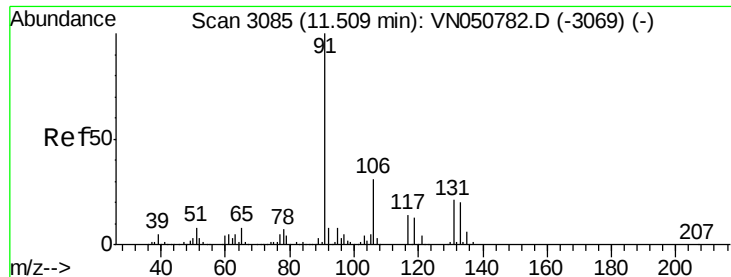
MMDadoda
8/29/2018 11:10:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.32 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion:131 Resp: 146360
Ion Ratio Lower Upper
131 100
133 96.9 47.4 142.3
119 67.8 32.8 98.4





#67

Ethyl Benzene

Concen: 19.60 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion: 91 Resp: 627269

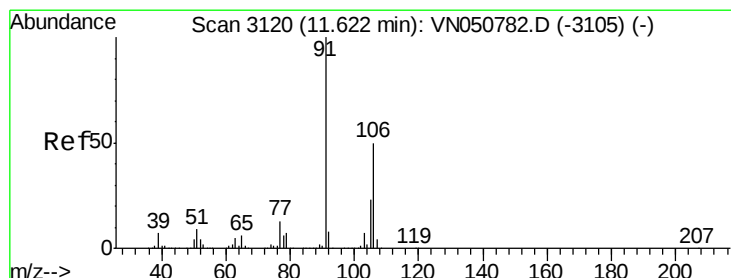
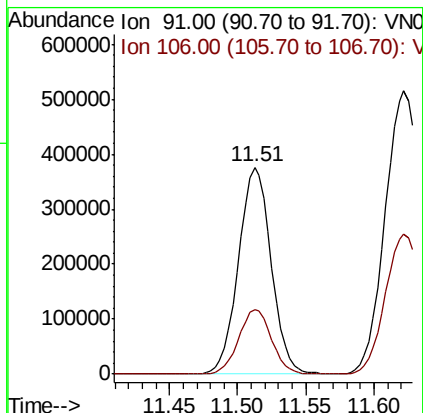
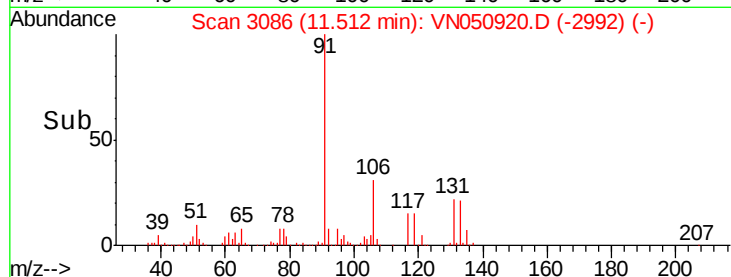
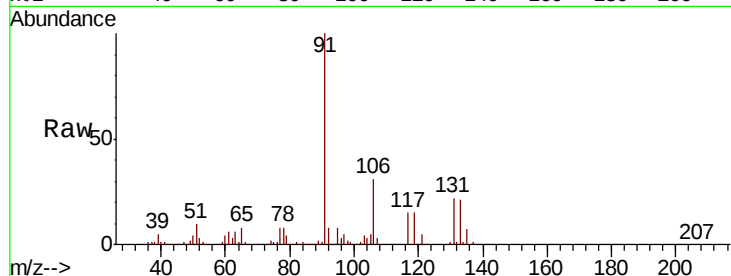
Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.4

Manual Integrations
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MMDadoda
8/29/2018 11:10:35 AM



#68

m/p-Xylenes

Concen: 40.57 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050920.D

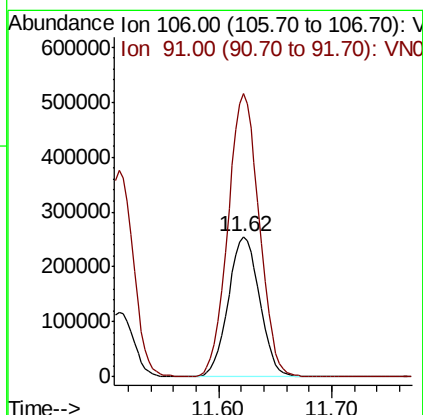
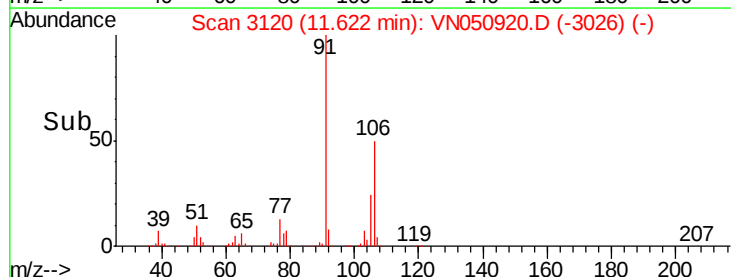
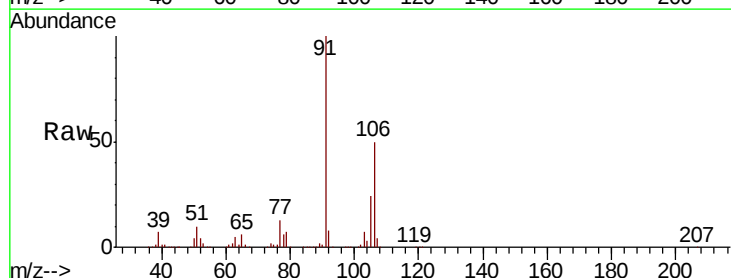
Acq: 28 Aug 2018 18:13

Tgt Ion: 106 Resp: 492793

Ion Ratio Lower Upper

106 100

91 200.4 161.0 241.6





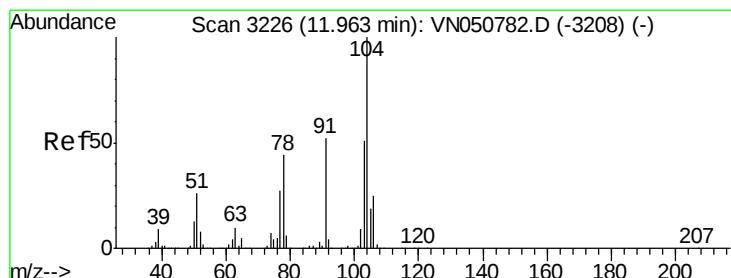
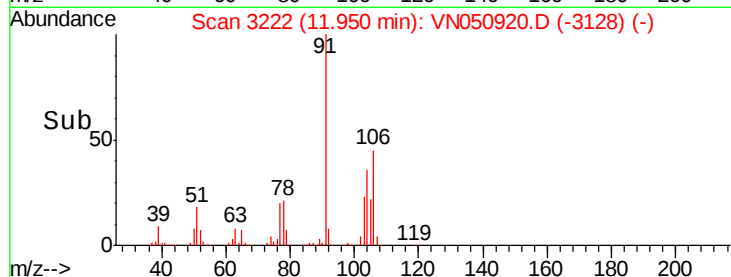
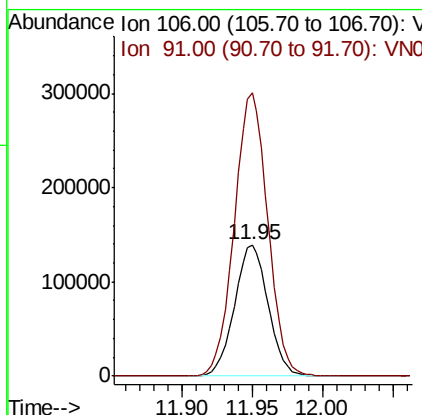
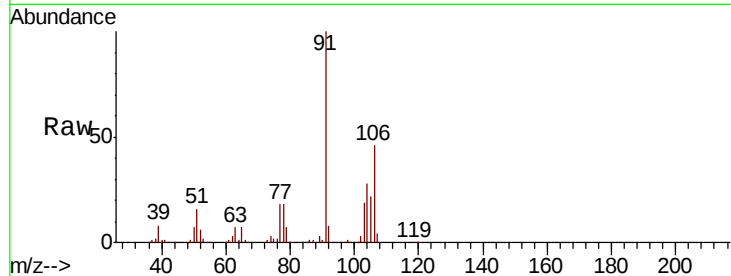
#69
o-Xylene
Concen: 19.86 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampled :
VN0828WBS02

Tot Ion	Ion	Ratio	Lower	Upper
231949	106	100		
	91	215.1	106.5	319.5

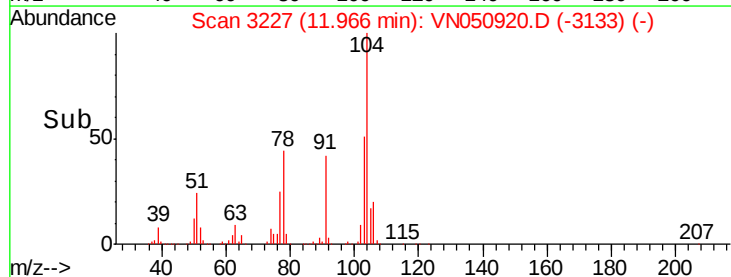
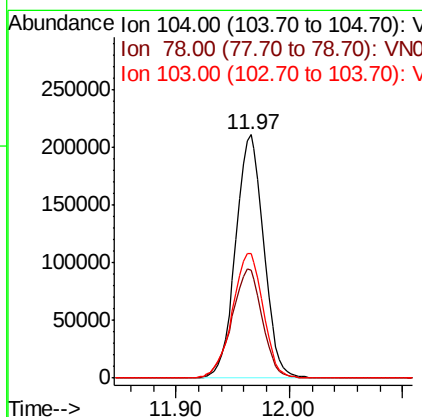
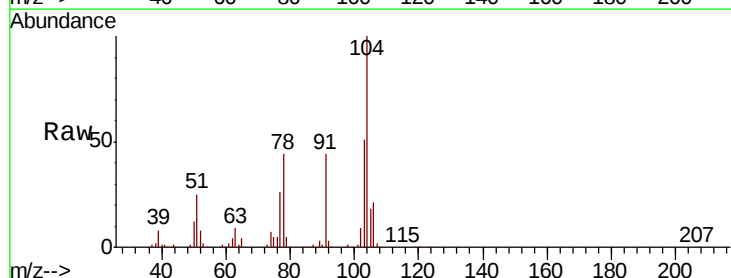
Manual Integrations
APPROVED

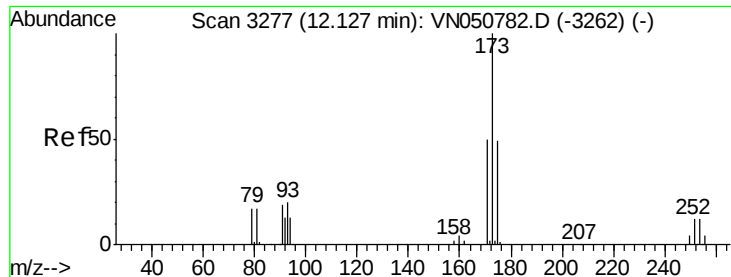
MMDadoda
8/29/2018 11:10:35 AM



#70
Styrene
Concen: 18.59 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ion	Ratio	Lower	Upper
365672	104	100		
	78	48.7	38.2	57.4
	103	56.1	44.4	66.6





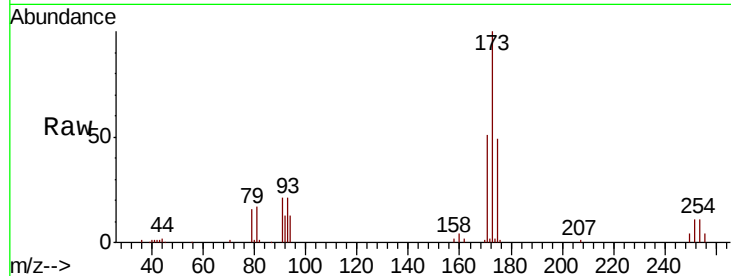
#71
Bromoform
Concen: 20.13 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

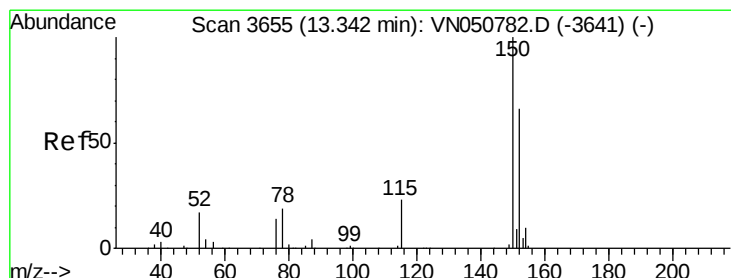
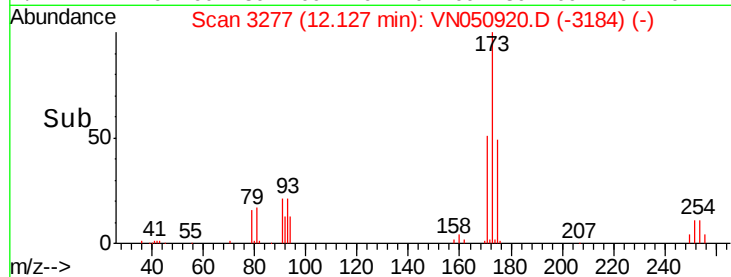
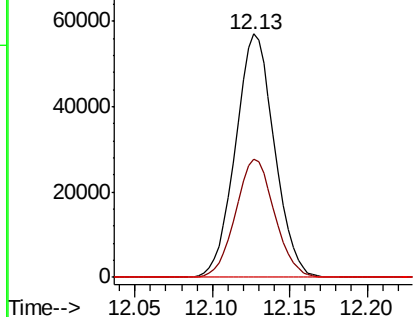
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
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8/29/2018 11:10:35 AM

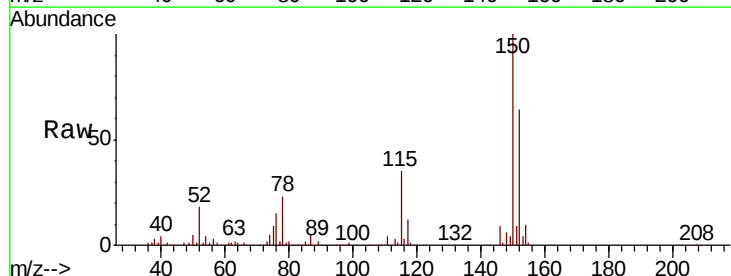


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

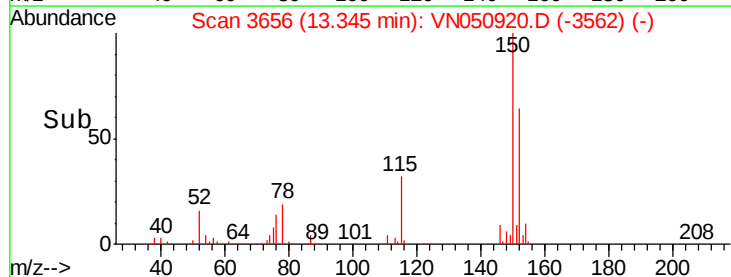
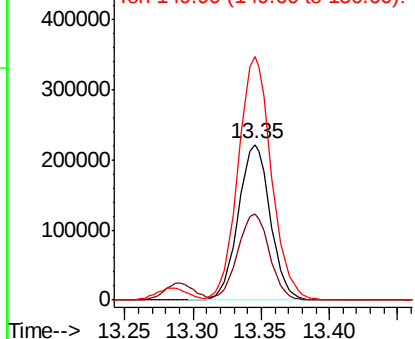


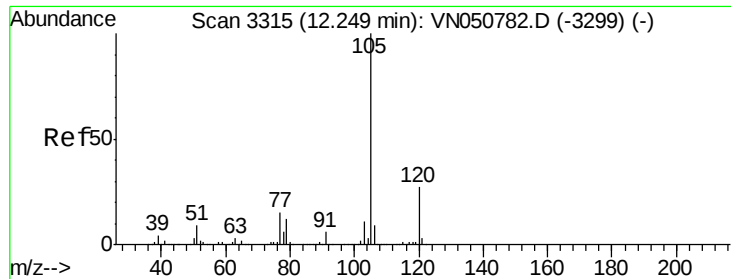
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.8	83.4
150	162.8	0.0	351.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.85 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion:105 Resp: 622857

Ion Ratio Lower Upper

105 100

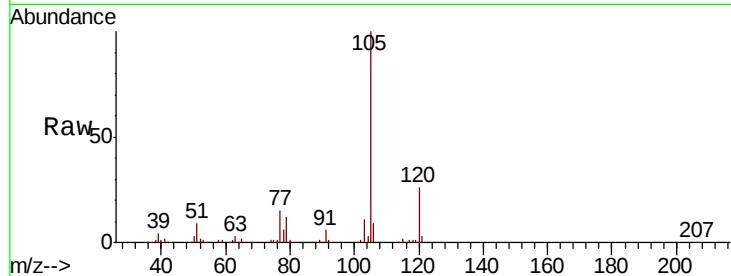
120 26.7 13.5 40.4

Manual Integrations

APPROVED

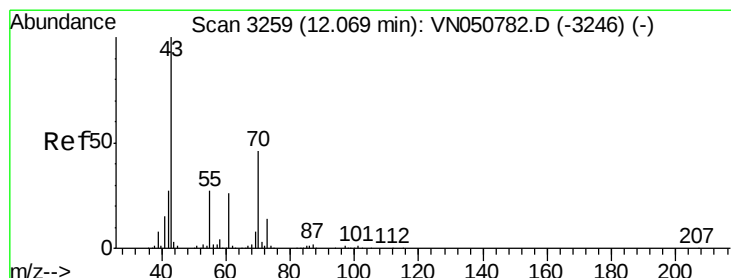
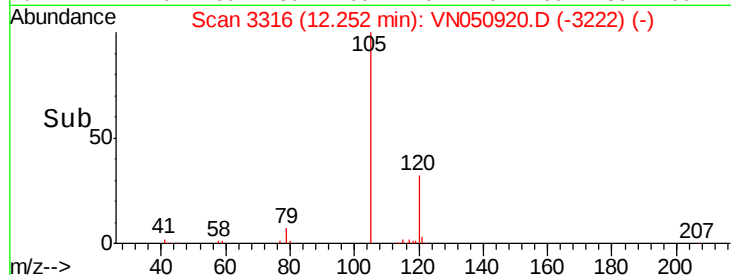
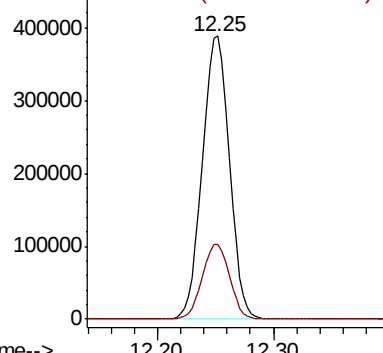
MMDadoda

8/29/2018 11:10:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.78 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion: 43 Resp: 155943

Ion Ratio Lower Upper

43 100

70 44.9 36.2 54.2

55 27.0 21.8 32.8

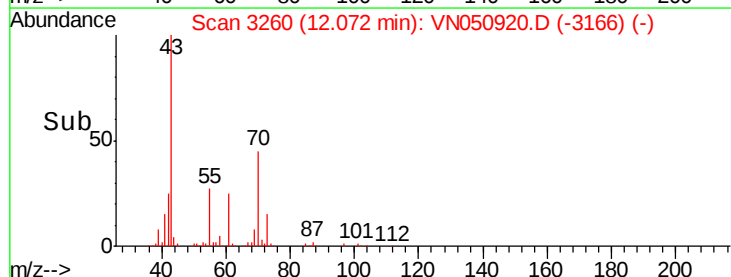
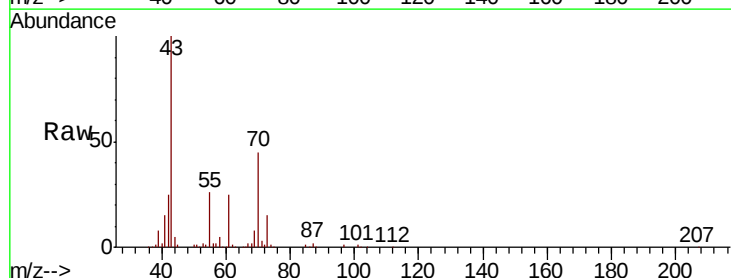
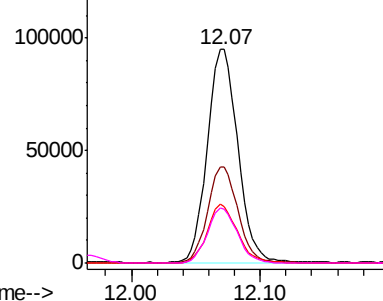
61 25.1 20.5 30.7

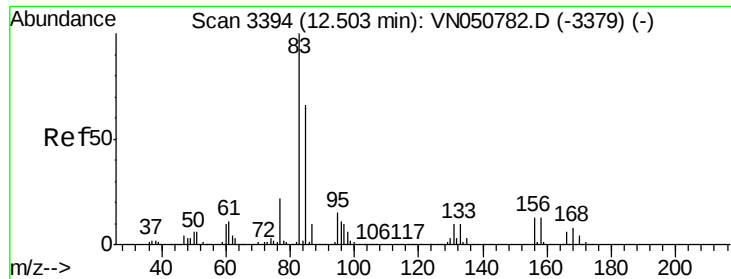
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.21 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

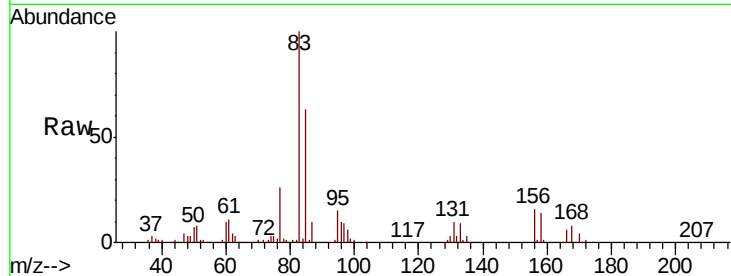
ClientSampled :

VN0828WBS02

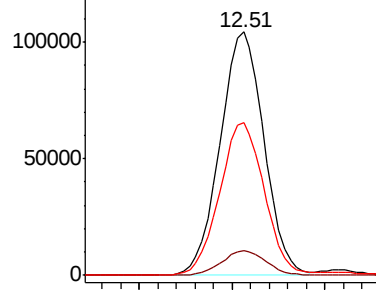
Tot Ion:	83	Resp:	171559
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	63.9	31.9	95.7

Manual Integrations
APPROVED

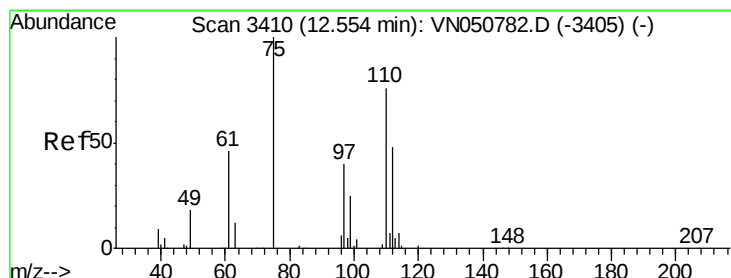
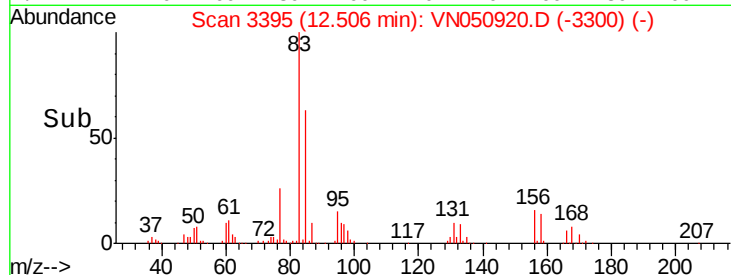
MMDadoda
8/29/2018 11:10:35 AM



Abundance Ion 82.90 (82.60 to 83.60): VN050920.D (-3300) (-)



Time-->



#76

1,2,3-Trichloropropane

Concen: 21.85 ug/l m

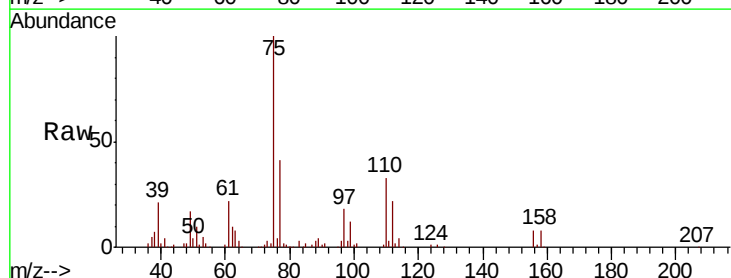
RT: 12.55 min Scan# 3410

Delta R.T. -0.00 min

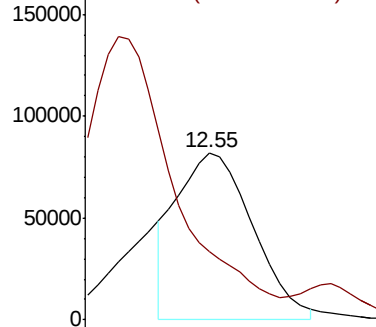
Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

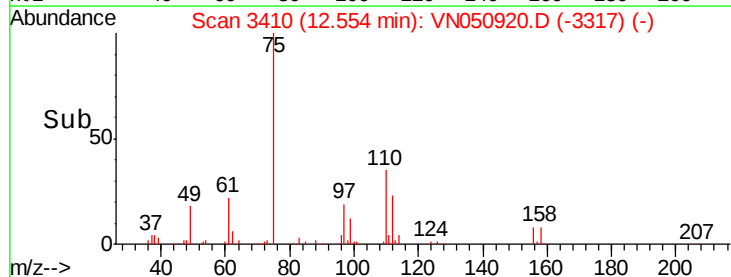
Tgt Ion:	75	Resp:	138058
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0

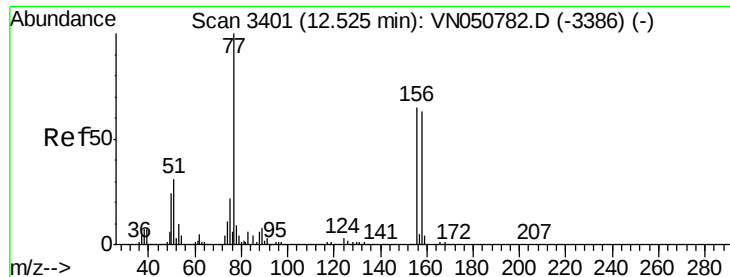


Abundance Ion 74.90 (74.60 to 75.60): VN050920.D (-3317) (-)



Time-->





#77

Bromobenzene

Concen: 19.81 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

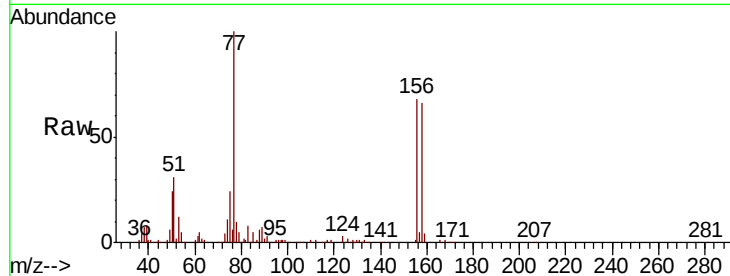
ClientSampleId :

VN0828WBS02

Tot Ion:	156	Resp:	160813
Ion Ratio	Lower	Upper	
156	100		
77	179.2	89.9	269.7
158	96.7	49.3	147.9

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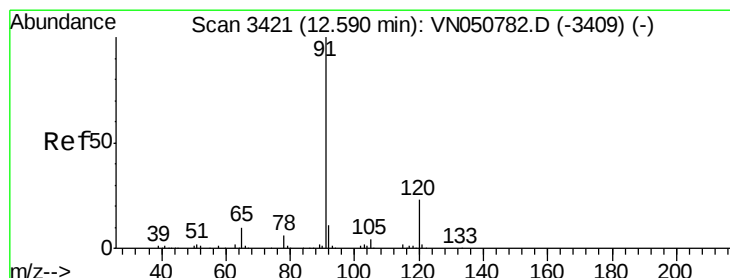
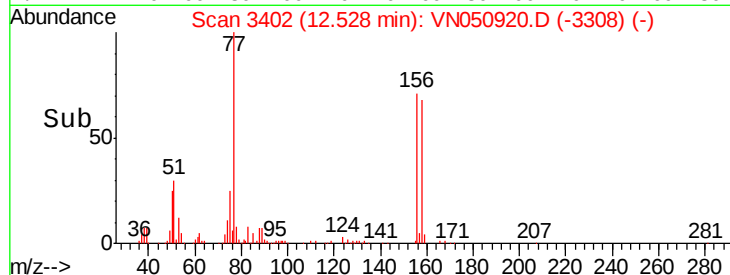
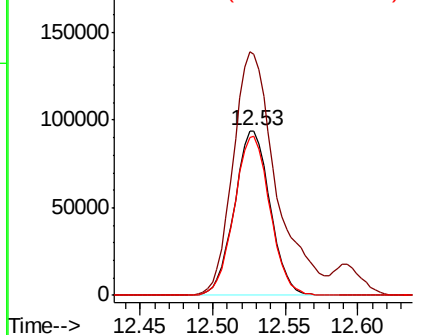
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.39 ug/l

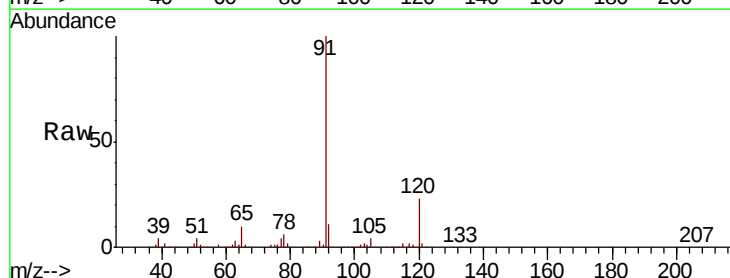
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050920.D

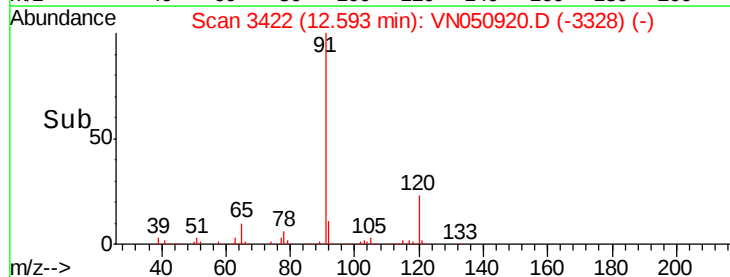
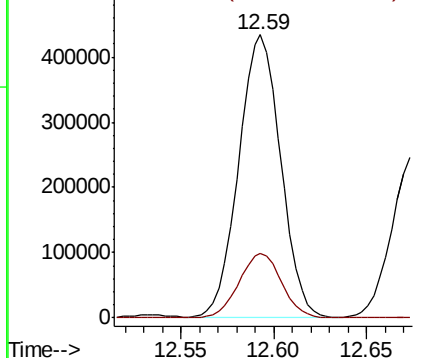
Acq: 28 Aug 2018 18:13

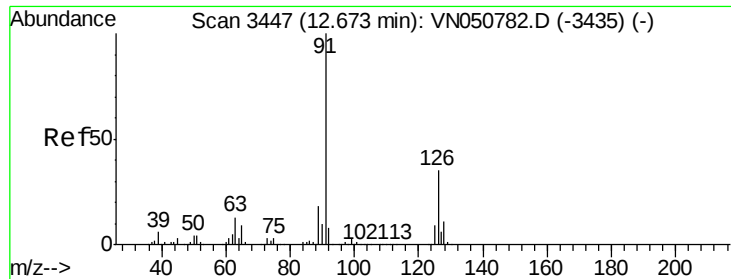
Tgt Ion:	91	Resp:	680331
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.45 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampled :

VN0828WBS02

Tot Ion: 91 Resp: 424995

Ion Ratio Lower Upper

91 100

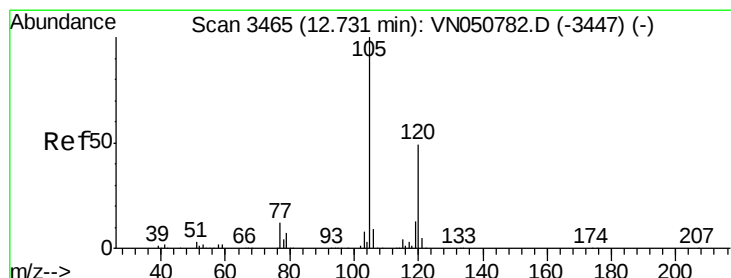
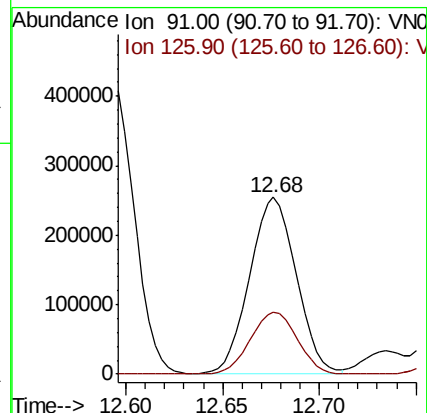
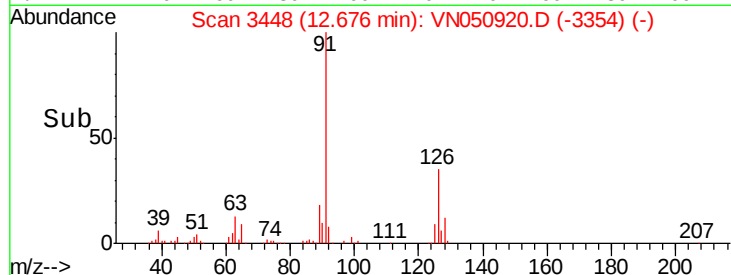
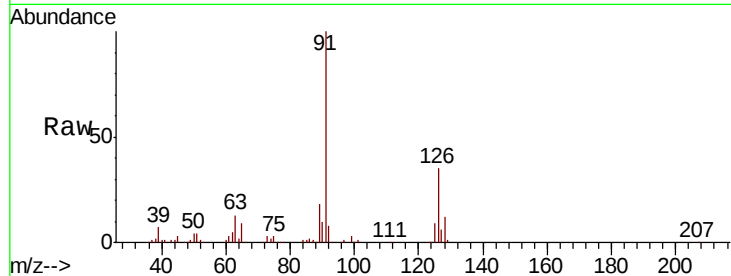
126 35.3 17.8 53.3

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.07 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050920.D

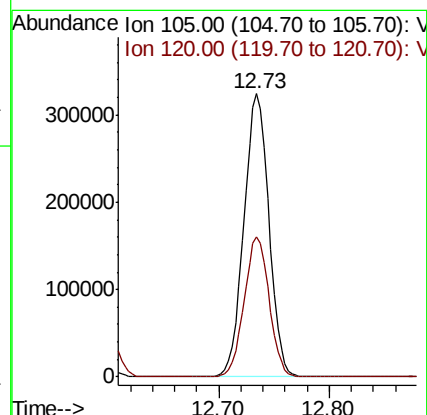
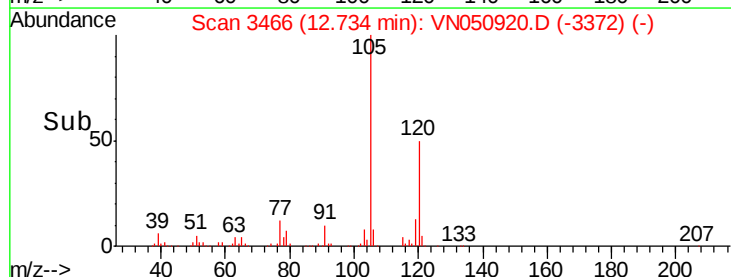
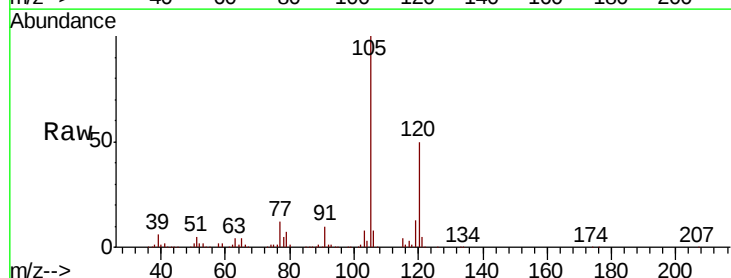
Acq: 28 Aug 2018 18:13

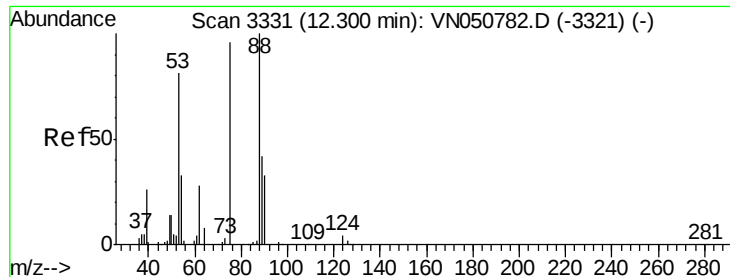
Tgt Ion: 105 Resp: 507844

Ion Ratio Lower Upper

105 100

120 49.4 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.87 ug/l

RT: 12.30 min Scan# 3332

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

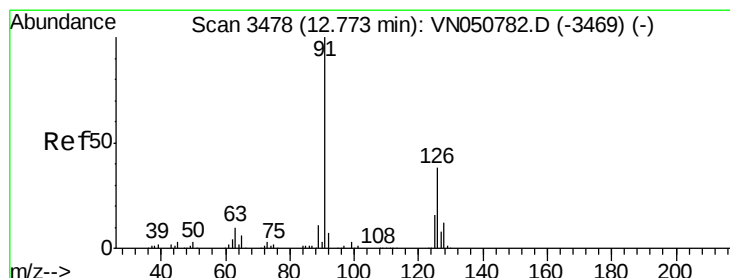
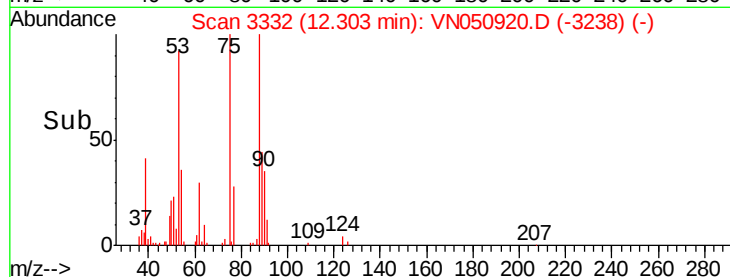
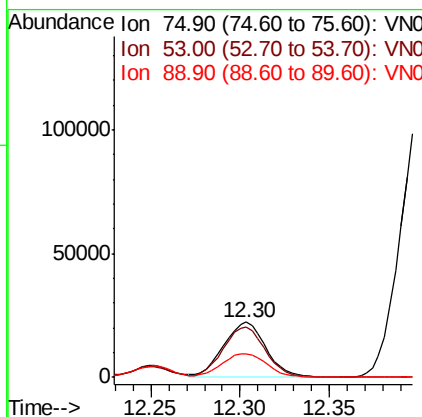
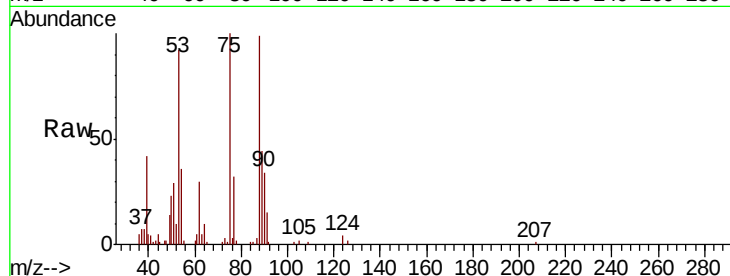
ClientSampleId :

VN0828WBS02

Tot Ion:	75	Resp:	37147
Ion	Ratio	Lower	Upper
75	100		
53	90.8	68.9	103.3
89	45.3	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.22 ug/l

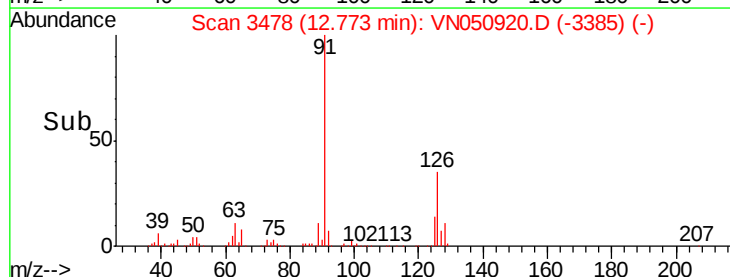
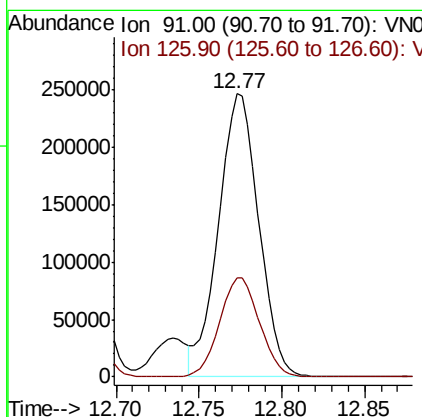
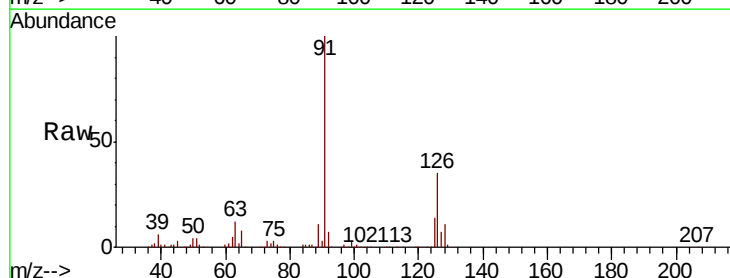
RT: 12.77 min Scan# 3478

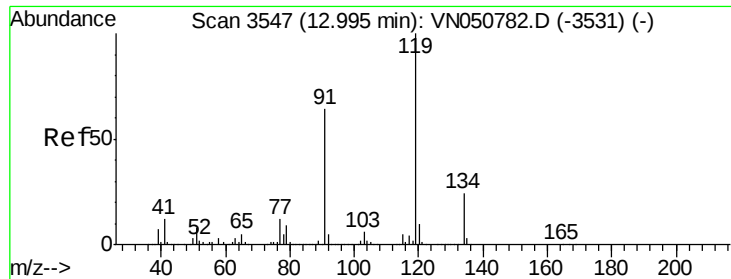
Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion:	91	Resp:	414989
Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





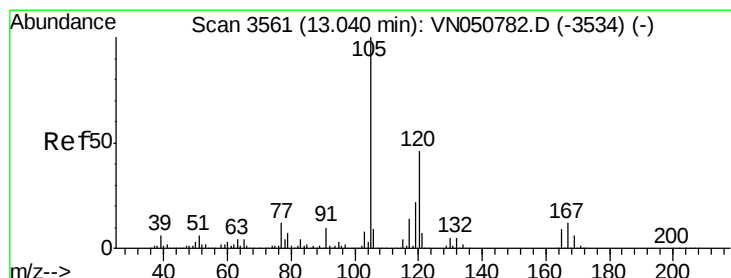
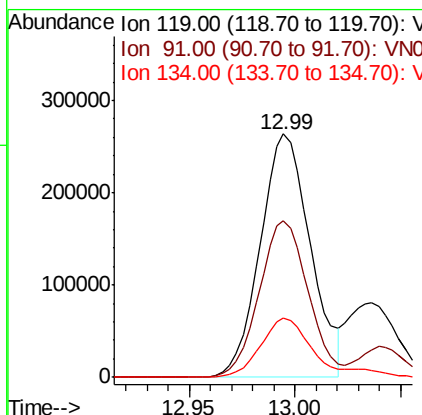
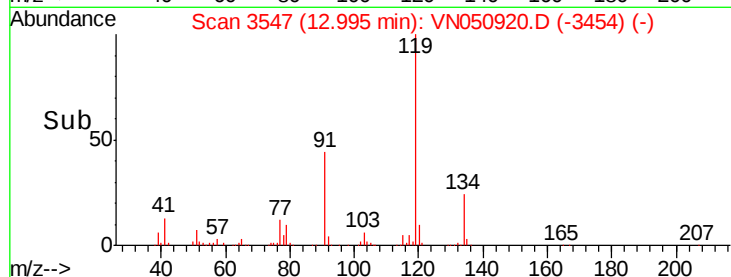
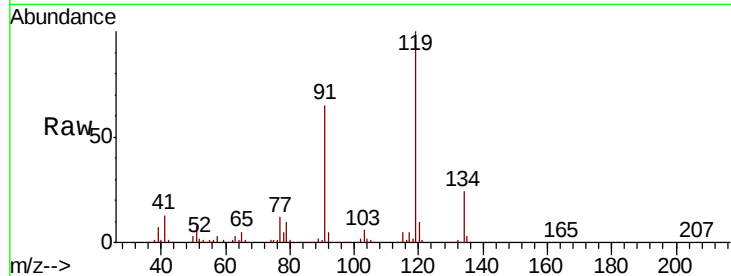
#83
 tert-Butylbenzene
 Concen: 20.90 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	436349		
91	63.1		31.6	94.7
134	26.3		13.4	40.1

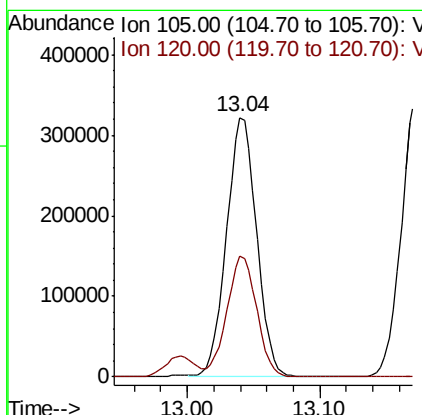
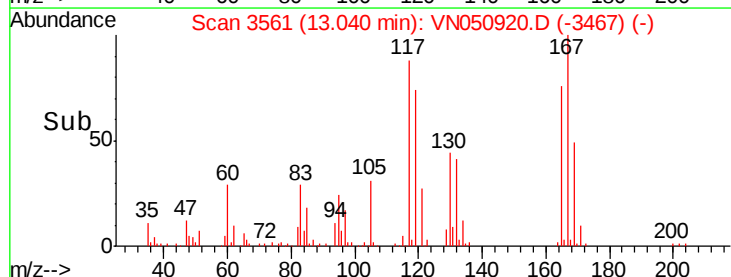
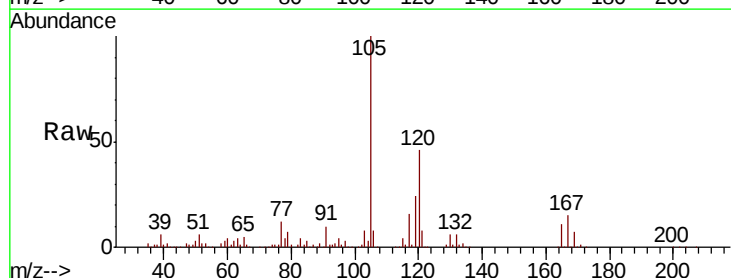
Manual Integrations
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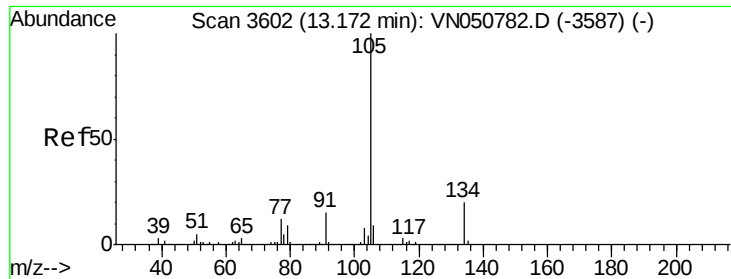
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.93 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	507424		
120	46.4		22.9	68.8





#85

sec-Butylbenzene

Concen: 20.72 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

ClientSampleId :

VN0828WBS02

Tot Ion:105 Resp: 566787

Ion Ratio Lower Upper

105 100

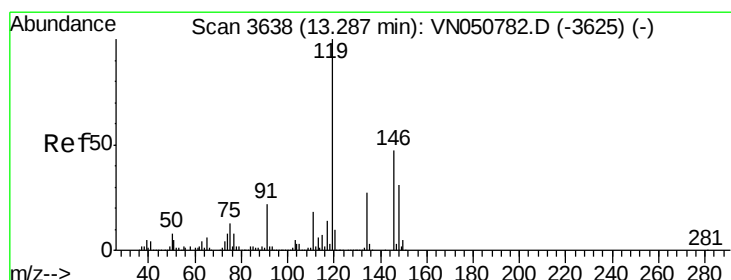
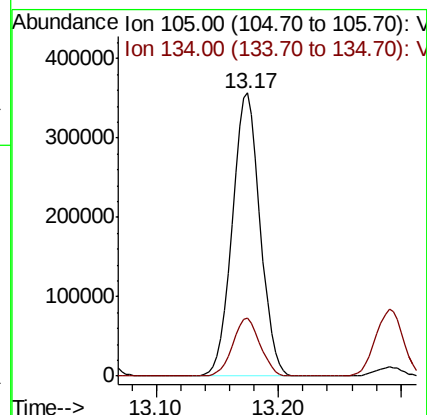
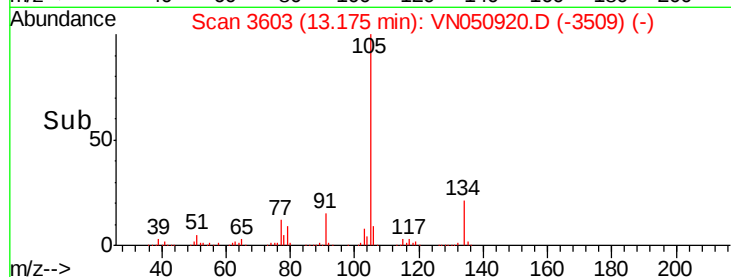
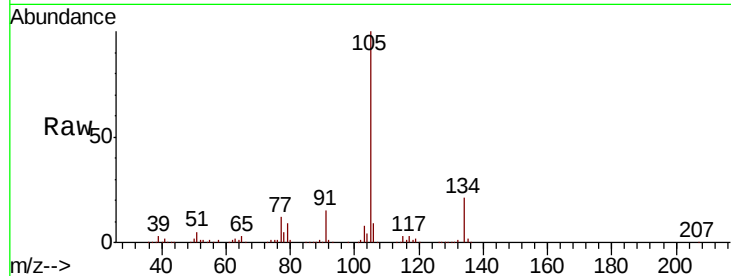
134 20.3 10.3 30.8

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#86

p-Isopropyltoluene

Concen: 20.52 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

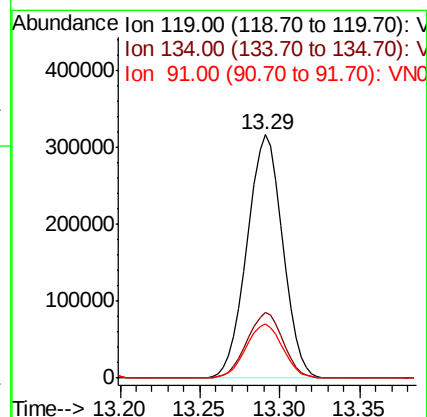
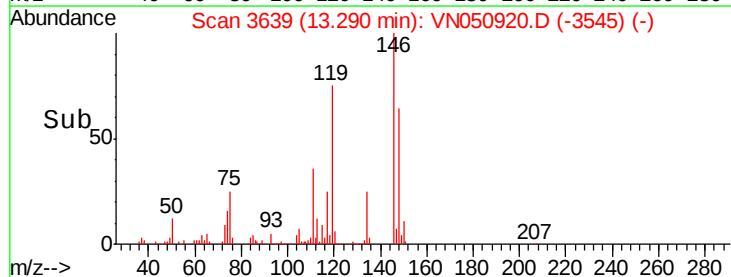
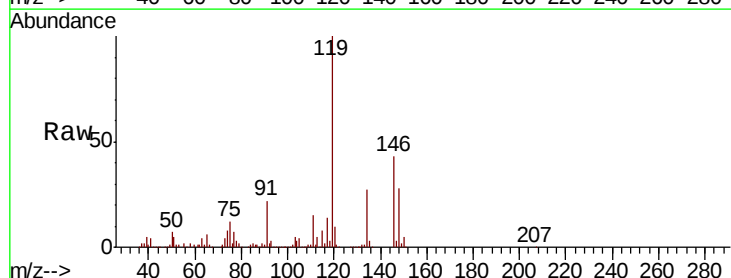
Tgt Ion:119 Resp: 478351

Ion Ratio Lower Upper

119 100

134 27.4 13.7 41.0

91 22.7 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 19.34 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

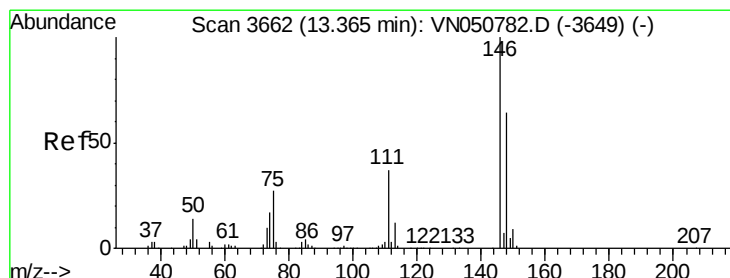
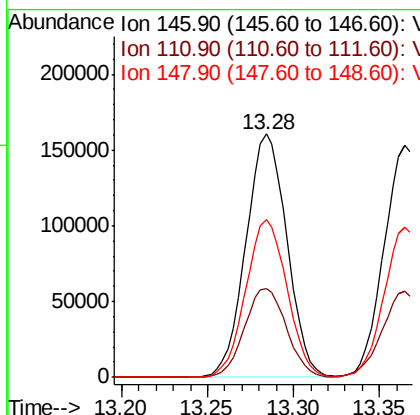
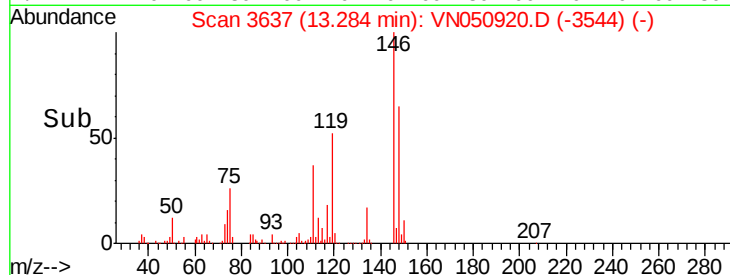
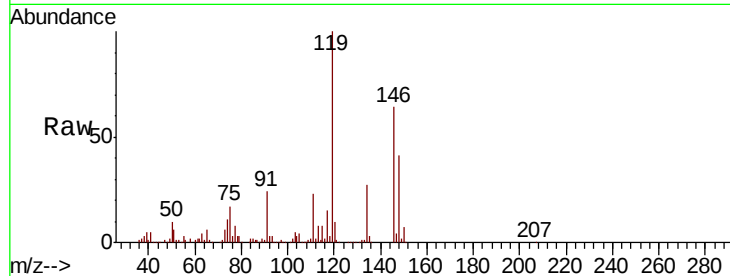
ClientSampleId :

VN0828WBS02

Tot Ion:	146	Resp:	266374
Ion Ratio	Lower	Upper	
146	100		
111	37.4	19.1	57.3
148	65.1	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.90 ug/l

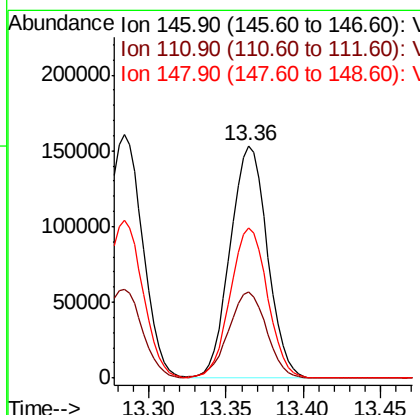
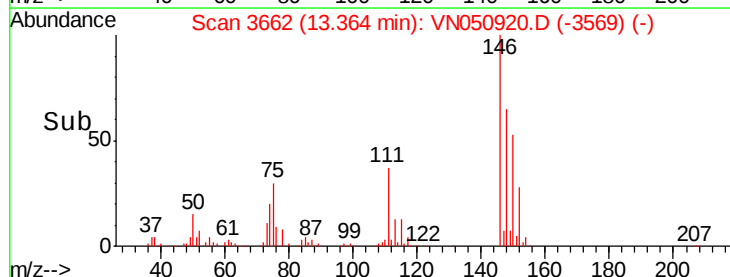
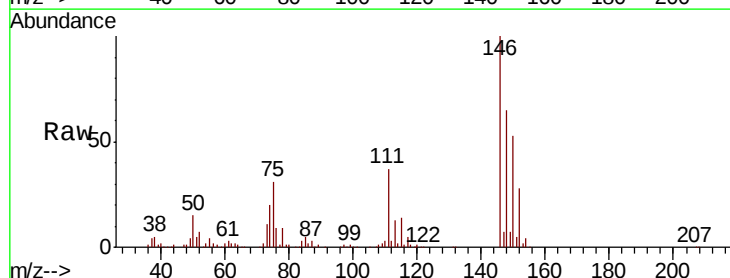
RT: 13.36 min Scan# 3662

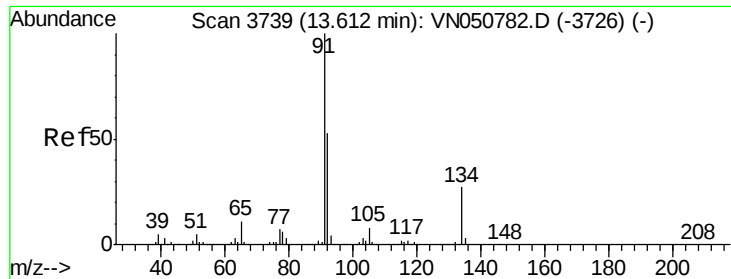
Delta R.T. -0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion:	146	Resp:	256303
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.8	56.3
148	64.5	32.2	96.6





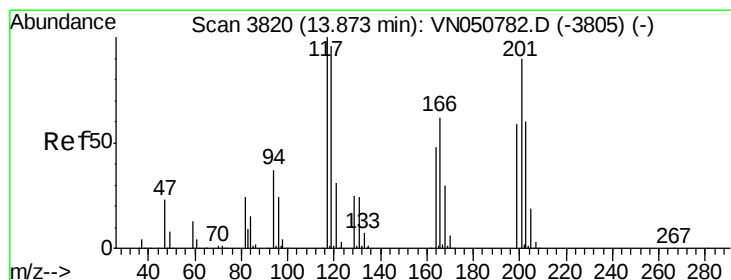
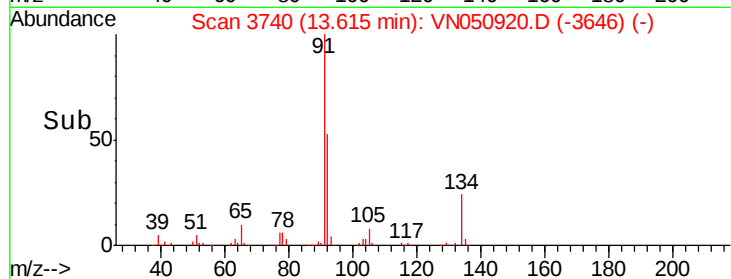
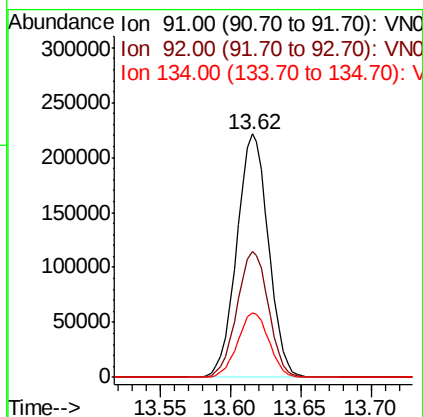
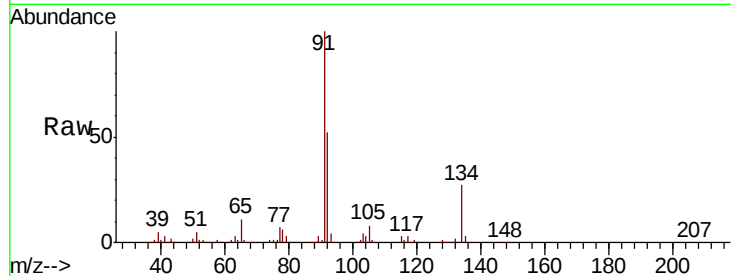
#89
n-Butylbenzene
Concen: 18.69 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Instrument :
MSVOA_N
ClientSampleId :
VN0828WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.5	26.1	78.2
134	26.3	13.2	39.6

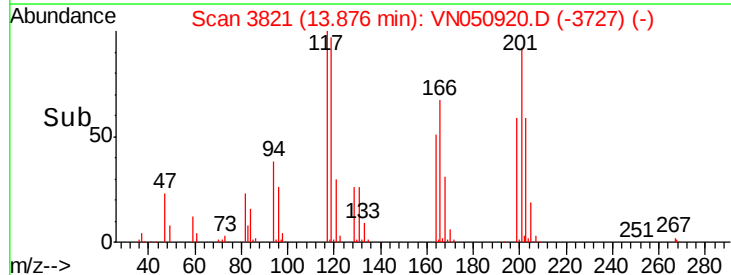
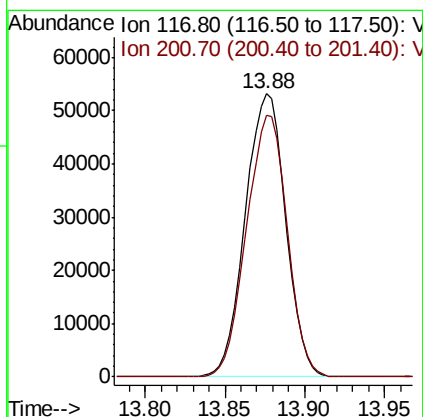
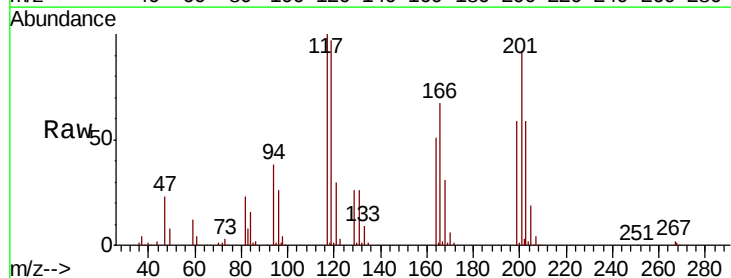
Manual Integrations
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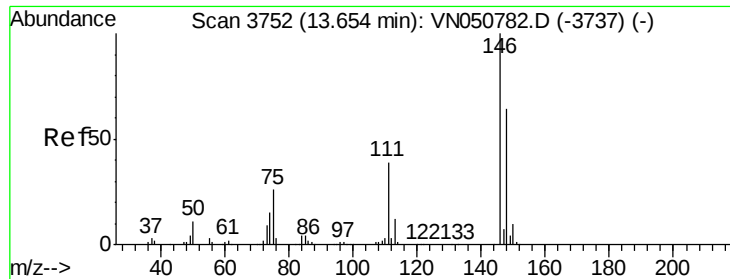
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#90
Hexachloroethane
Concen: 20.78 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050920.D
Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	93.1	46.0	137.8





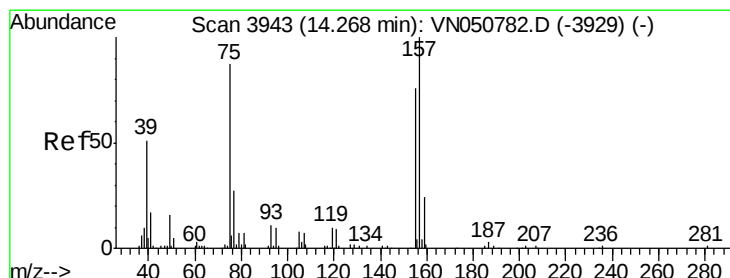
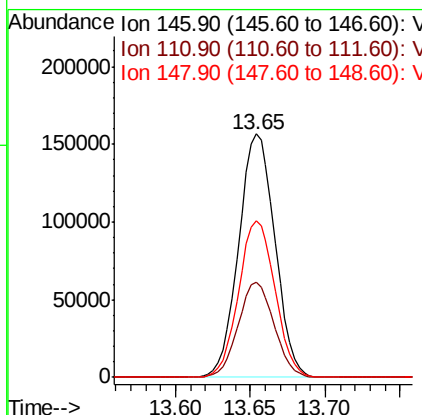
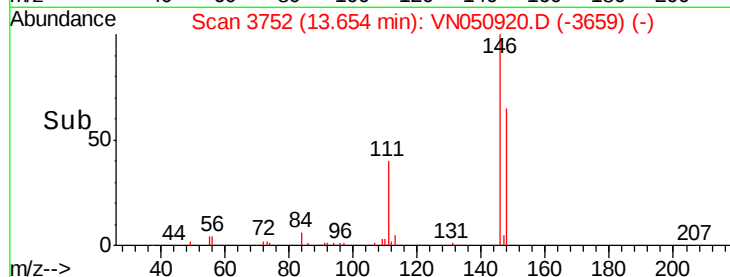
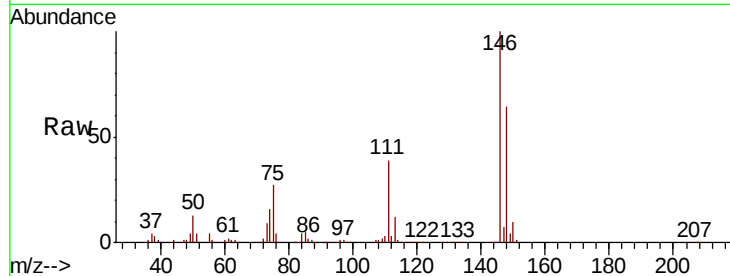
#91
 1,2-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0828WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.3
148	64.6	32.3	96.8

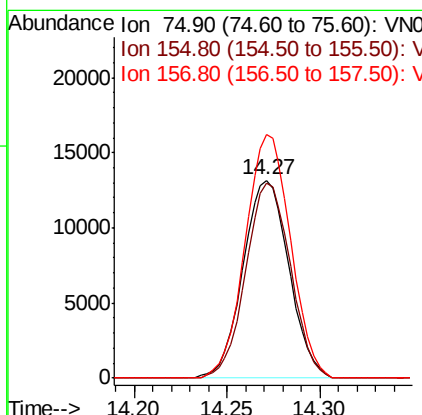
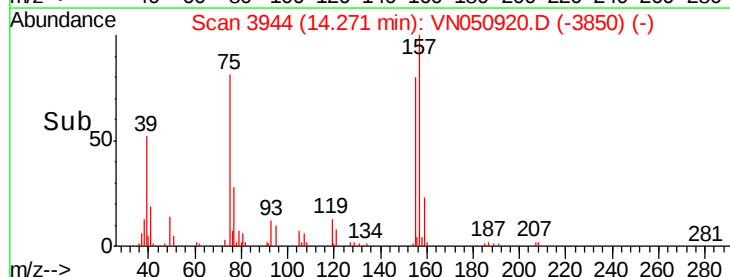
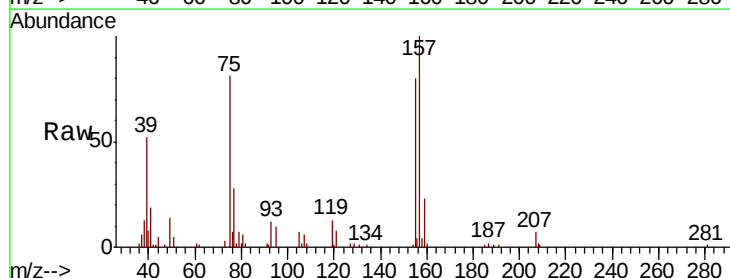
Manual Integrations
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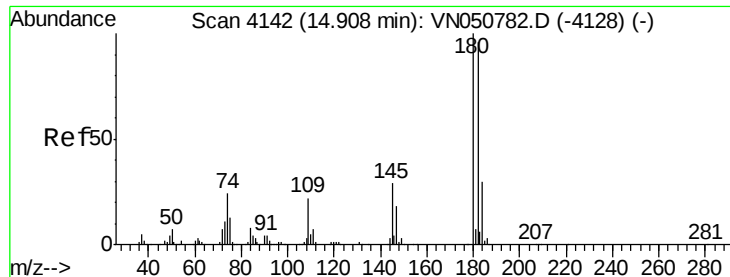
MMDadoda
 8/29/2018 11:10:35 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.12 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.9	46.4	139.1
157	121.5	60.7	182.0





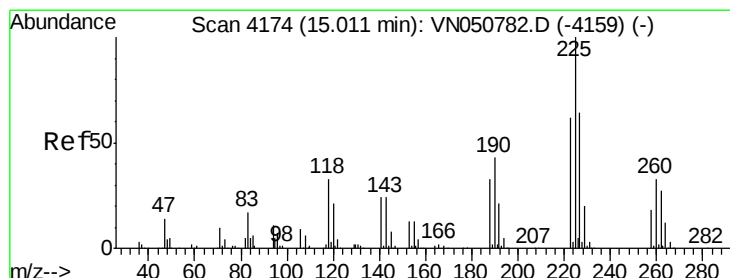
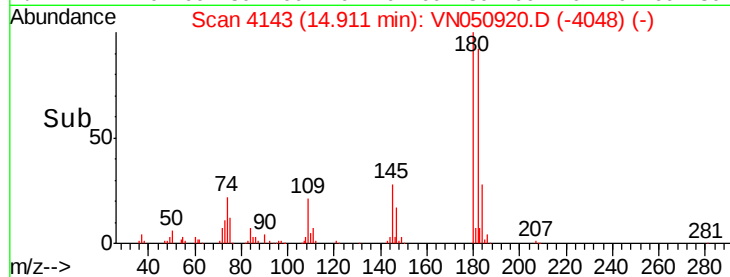
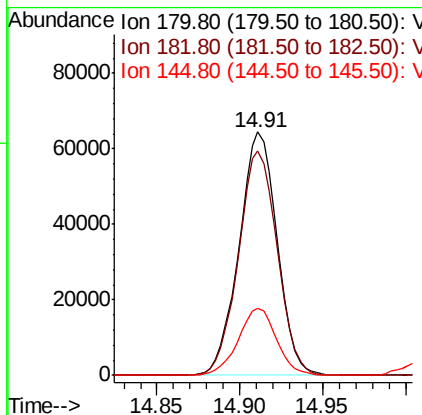
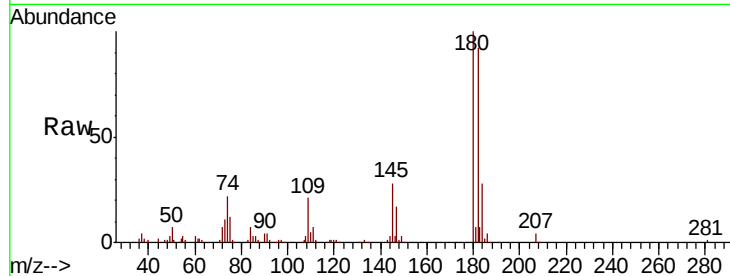
#93
 1,2,4-Trichlorobenzene
 Concen: 17.78 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Instrument :
 MSVOA_N
 ClientSampled :
 VN0828WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.8	48.2	144.6	
145	27.7	14.1	42.2	

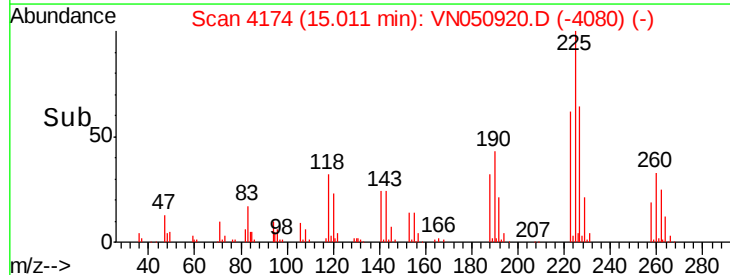
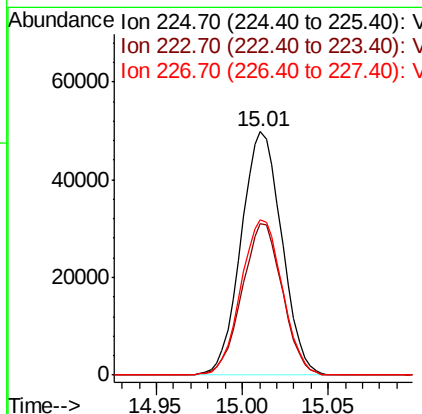
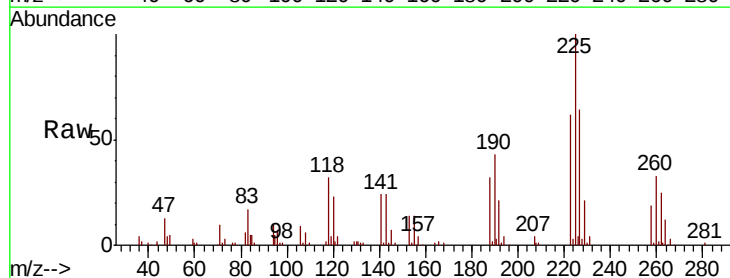
Manual Integrations
 APPROVED

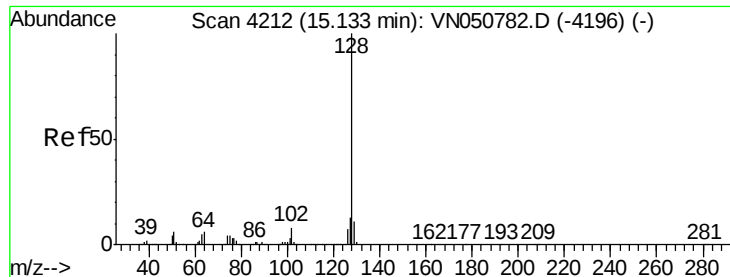
MMDadoda
 8/29/2018 11:10:35 AM



#94
 Hexachlorobutadiene
 Concen: 20.14 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050920.D
 Acq: 28 Aug 2018 18:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.6	31.3	93.8	
227	64.8	32.0	96.2	





#95

Naphthalene

Concen: 17.68 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Instrument :

MSVOA_N

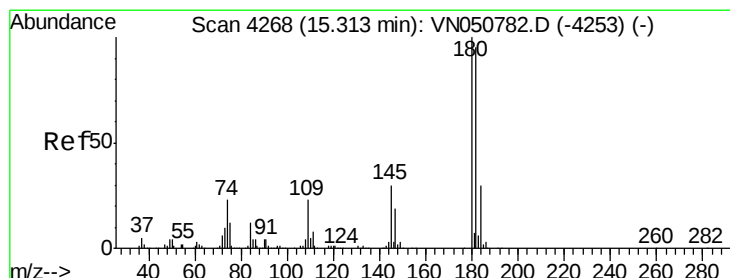
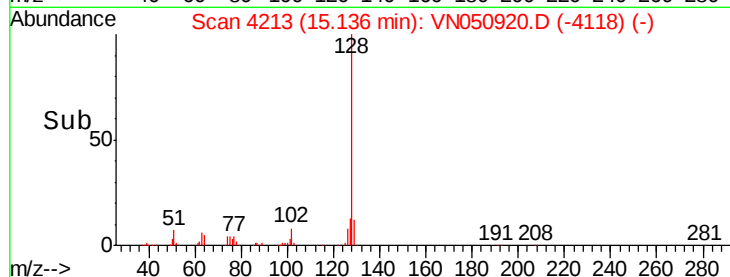
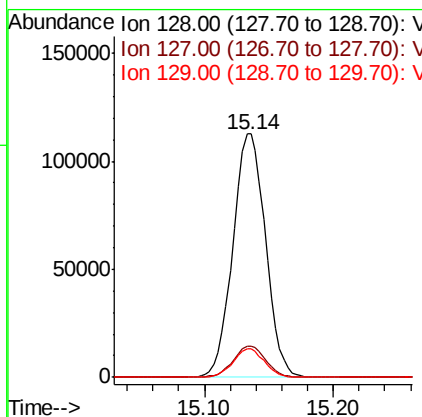
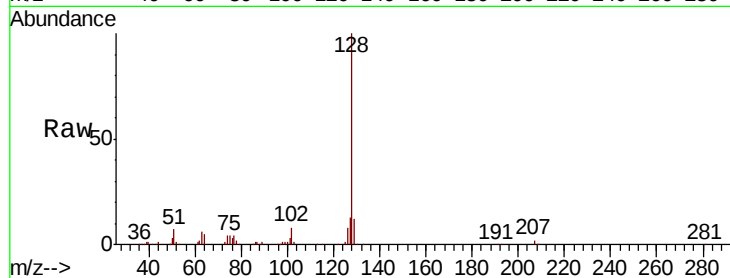
ClientSampleId :

VN0828WBS02

Tot Ion:	128	Resp:	198442
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.5	15.7
129	11.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
8/29/2018 11:10:35 AM



#96

1,2,3-Trichlorobenzene

Concen: 18.43 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050920.D

Acq: 28 Aug 2018 18:13

Tgt Ion:	180	Resp:	105002
Ion Ratio	Lower	Upper	
180	100		
182	96.3	48.0	144.2
145	30.9	15.2	45.6

