

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090418\
 Data File : VN051006.D
 Acq On : 4 Sep 2018 9:37
 Operator : MD\SY
 Sample : VN0904WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:06 PM

Quant Time: Sep 05 01:32:58 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	607970	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	861370	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	760063	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	354742	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	355315	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.59	113	346181	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.09	98	1276804	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.40	95	395958	46.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146940	18.06	ug/l	99
3) Chloromethane	2.06	50	165677	16.51	ug/l	99
4) Vinyl Chloride	2.18	62	167615	17.63	ug/l	99
5) Bromomethane	2.56	94	93480	16.59	ug/l	94
6) Chloroethane	2.70	64	99658	18.14	ug/l	99
7) Trichlorofluoromethane	3.01	101	230842	18.96	ug/l	99
8) Diethyl Ether	3.41	74	76686	18.53	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	145945	19.19	ug/l	99
10) Methyl Iodide	3.95	142	87531	17.79	ug/l	97
11) Tert butyl alcohol	4.79	59	40372	86.62	ug/l	100
12) 1,1-Dichloroethene	3.74	96	128439	18.81	ug/l	96
13) Acrolein	3.61	56	25037	103.32	ug/l	99
14) Allyl chloride	4.33	41	195978	18.42	ug/l	99
15) Acrylonitrile	4.99	53	218561	92.27	ug/l	99
16) Acetone	3.82	43	173924	96.00	ug/l	99
17) Carbon Disulfide	4.05	76	362664	15.84	ug/l	99
18) Methyl Acetate	4.33	43	150212	21.73	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	330341	19.23	ug/l	100
20) Methylene Chloride	4.55	84	146940	17.81	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	135094	18.29	ug/l	99
22) Diisopropyl ether	5.96	45	424724	20.03	ug/l	98
23) Vinyl Acetate	5.90	43	1205449	88.27	ug/l	100
24) 1,1-Dichloroethane	5.85	63	261353	19.20	ug/l	99
25) 2-Butanone	6.84	43	241709	81.95	ug/l	98
26) 2,2-Dichloropropane	6.83	77	208015	19.02	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	152184	19.11	ug/l	99
28) Bromochloromethane	7.20	49	113663	19.65	ug/l	100
29) Tetrahydrofuran	7.22	42	155972	92.23	ug/l	99
30) Chloroform	7.37	83	263636	19.56	ug/l	97
31) Cyclohexane	7.66	56	222394	18.27	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	220710	19.06	ug/l	100
36) 1,1-Dichloropropene	7.80	75	190202	18.71	ug/l	99
37) Ethyl Acetate	6.93	43	104600	17.91	ug/l	99
38) Carbon Tetrachloride	7.78	117	199908	19.46	ug/l	98

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Manual Integrations
 APPROVED

MMDadoda
 9/5/2018 12:00:06 PM

Quant Time: Sep 05 01:32:58 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)
39) Methylcyclohexane	9.08	83	198922	18.09	ug/l	98
40) Benzene	8.04	78	593405	19.36	ug/l	100
41) Methacrylonitrile	7.18	41	58445	18.50	ug/l	99
42) 1,2-Dichloroethane	8.13	62	175521	19.15	ug/l	98
43) Isopropyl Acetate	8.17	43	192050	19.13	ug/l	97
44) Trichloroethene	8.84	130	156999	19.42	ug/l	93
45) 1,2-Dichloropropane	9.12	63	157059	19.50	ug/l	99
46) Dibromomethane	9.21	93	89677	18.95	ug/l	98
47) Bromodichloromethane	9.40	83	197249	19.90	ug/l	99
48) Methyl methacrylate	9.20	41	90821	17.75	ug/l	99
49) 1,4-Dioxane	9.20	88	24656	353.50	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	524938	87.62	ug/l	99
52) Toluene	10.16	92	355892	19.60	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	178655	18.10	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	218416	19.33	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	130336	19.34	ug/l	98
56) Ethyl methacrylate	10.43	69	139428	17.51	ug/l	99
57) 1,3-Dichloropropane	10.71	76	216633	19.48	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	282740	82.52	ug/l	100
59) 2-Hexanone	10.75	43	323569	81.13	ug/l	100
60) Dibromochloromethane	10.90	129	145810	19.32	ug/l	99
61) 1,2-Dibromoethane	11.01	107	121043	18.57	ug/l	99
64) Tetrachloroethene	10.63	164	142444	19.73	ug/l	97
65) Chlorobenzene	11.43	112	385772	19.42	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	148453	20.42	ug/l	99
67) Ethyl Benzene	11.51	91	621191	19.23	ug/l	99
68) m/p-Xylenes	11.62	106	489564	39.93	ug/l	99
69) o-Xylene	11.95	106	233067	19.78	ug/l	99
70) Styrene	11.96	104	361113	18.21	ug/l	99
71) Bromoform	12.13	173	95320	19.07	ug/l #	99
73) Isopropylbenzene	12.25	105	623019	21.21	ug/l	99
74) N-amyl acetate	12.07	43	130006	17.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	152013	20.75	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	120294m	19.36	ug/l	
77) Bromobenzene	12.53	156	158981	19.91	ug/l	98
78) n-propylbenzene	12.59	91	681137	20.76	ug/l	100
79) 2-Chlorotoluene	12.67	91	415758	20.34	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	507948	21.43	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	32720	17.80	ug/l	94
82) 4-Chlorotoluene	12.77	91	406531	20.15	ug/l	100
83) tert-Butylbenzene	12.99	119	432626	21.08	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	503279	21.11	ug/l	99
85) sec-Butylbenzene	13.17	105	562325	20.91	ug/l	100
86) p-Isopropyltoluene	13.29	119	482527	21.05	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	262065	19.34	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	251203	18.84	ug/l	100
89) n-Butylbenzene	13.62	91	347216	18.94	ug/l	99
90) Hexachloroethane	13.87	117	91074	20.96	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	256136	19.60	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	18776	17.80	ug/l	97

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VN0904WBS01

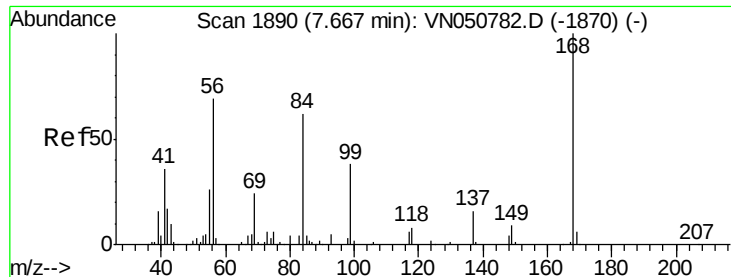
Manual Integrations
APPROVED

MMDadoda
9/5/2018 12:00:06 PM

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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)
93) 1,2,4-Trichlorobenzene	14.91	180	91859	16.49	ug/l	98
94) Hexachlorobutadiene	15.01	225	83934	21.01	ug/l	100
95) Naphthalene	15.13	128	158565	15.38	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	93983	17.07	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS01

Tot Ion:168 Resp: 607970

Ion Ratio Lower Upper

168 100

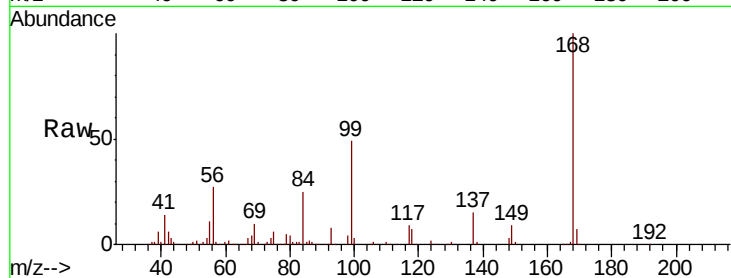
99 48.5 39.6 59.4

Manual Integrations

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9/5/2018 12:00:06 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

300000

250000

200000

150000

100000

50000

0

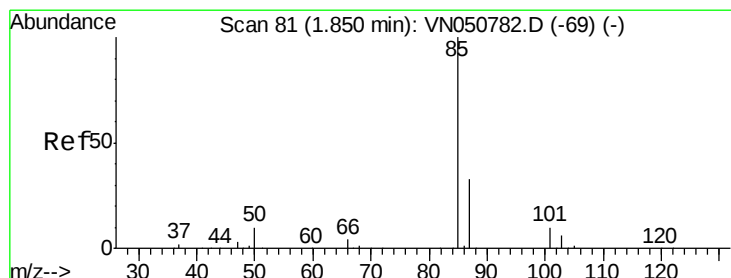
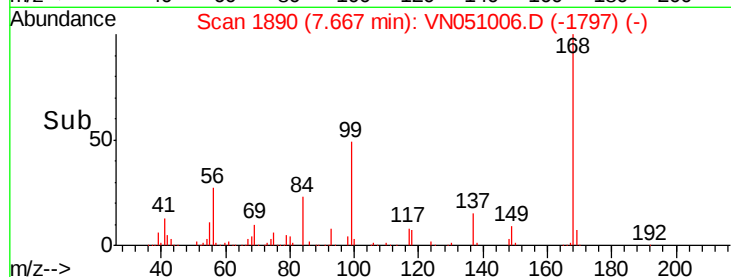
7.67

7.60

7.70

7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.06 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN051006.D

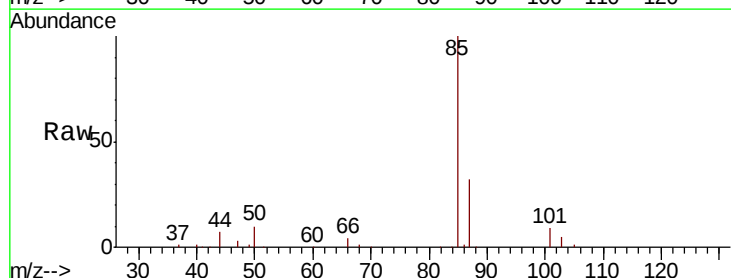
Acq: 4 Sep 2018 9:37

Tgt Ion: 85 Resp: 146940

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

120000

100000

80000

60000

40000

20000

0

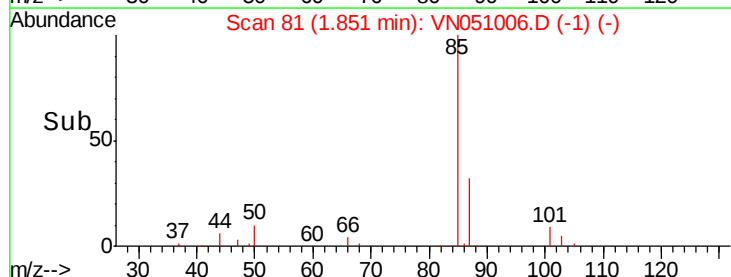
1.85

1.80

1.90

1.95

Time-->





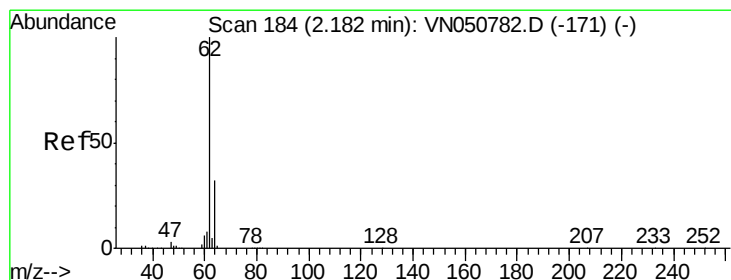
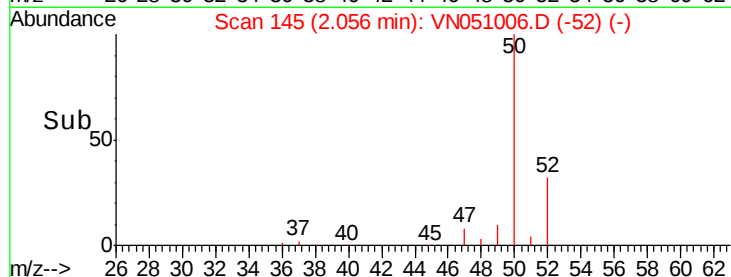
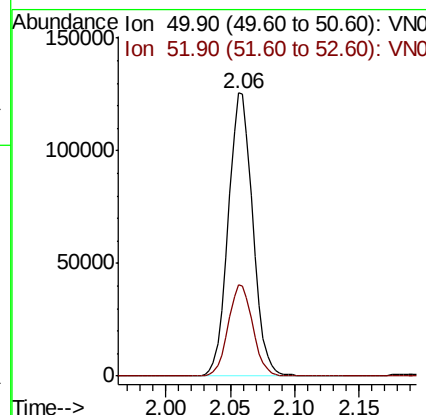
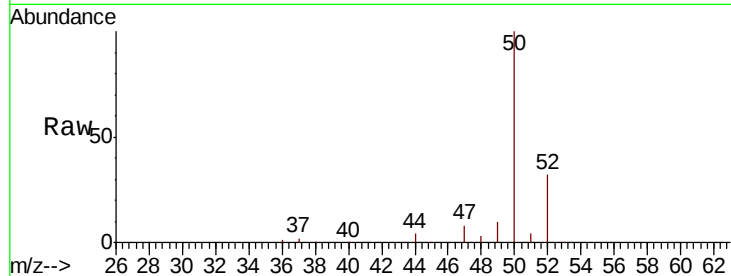
#3
Chloromethane
Concen: 16.51 ug/l
RT: 2.06 min Scan# 145
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
50	100		
52	32.3	26.3	39.5

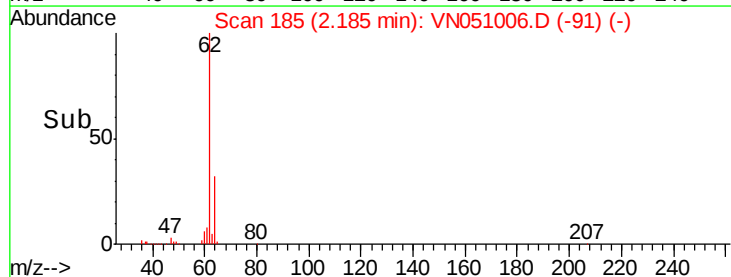
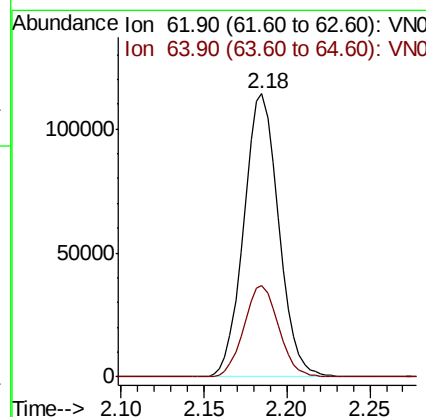
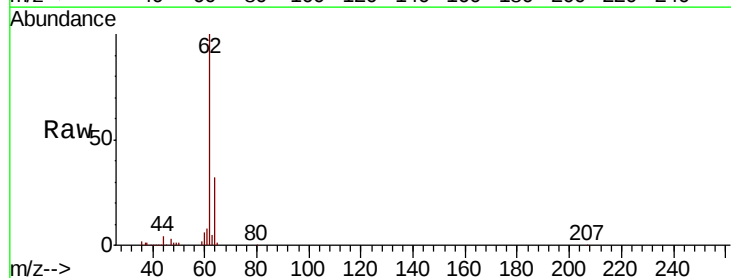
Manual Integrations
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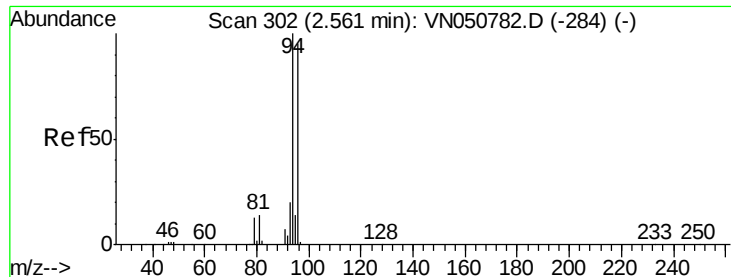
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#4
Vinyl Chloride
Concen: 17.63 ug/l
RT: 2.18 min Scan# 185
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	25.4	38.2





#5

Bromomethane

Concen: 16.59 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS01

Tot Ion: 94 Resp: 93480

Ion Ratio Lower Upper

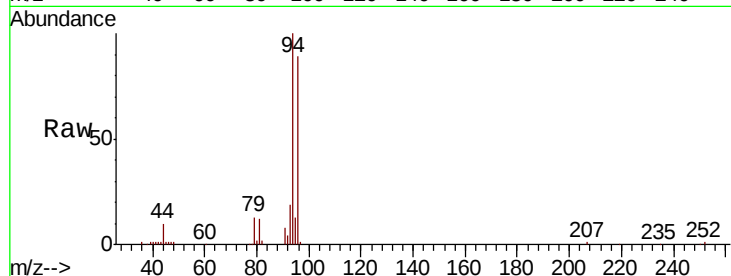
94 100

96 89.3 76.2 114.2

Manual Integrations
APPROVED

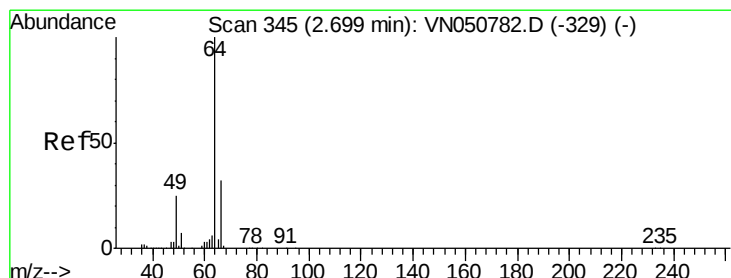
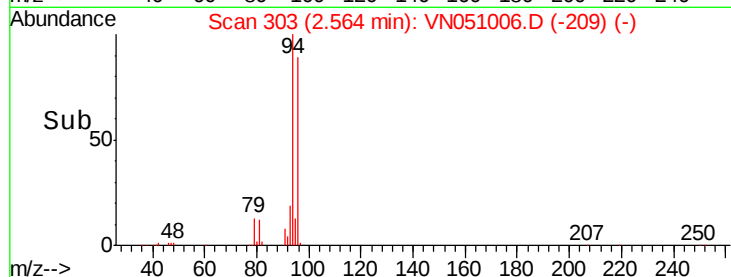
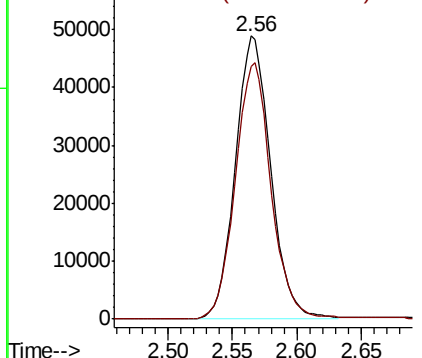
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.14 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.00 min

Lab File: VN051006.D

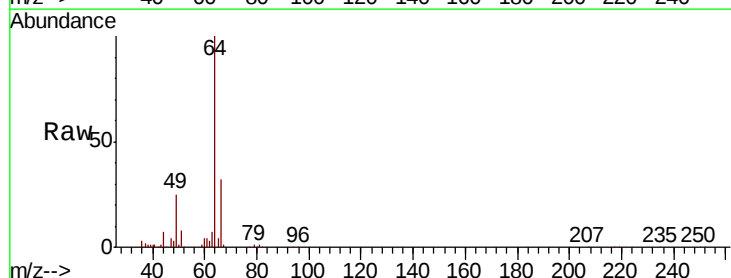
Acq: 4 Sep 2018 9:37

Tgt Ion: 64 Resp: 99658

Ion Ratio Lower Upper

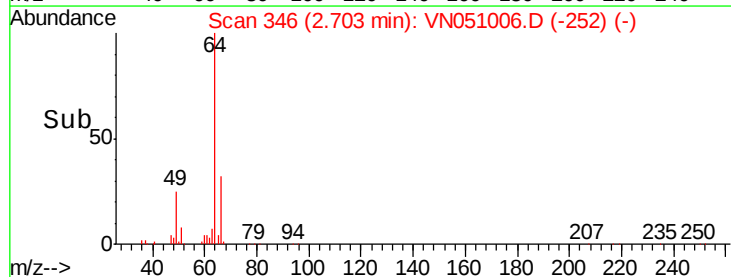
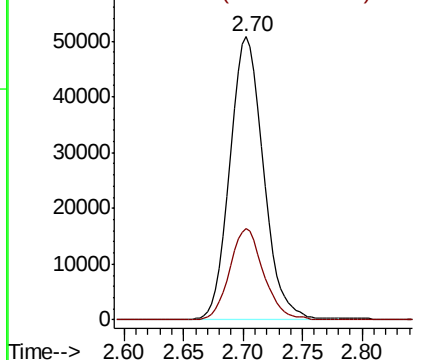
64 100

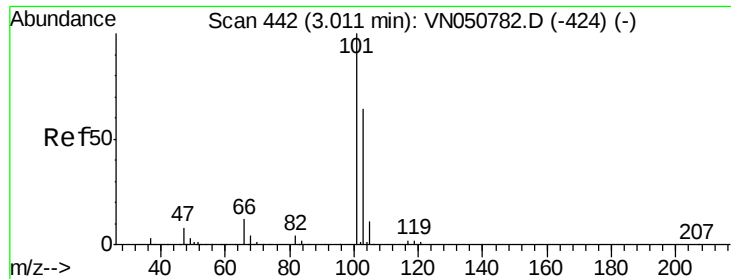
66 32.1 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

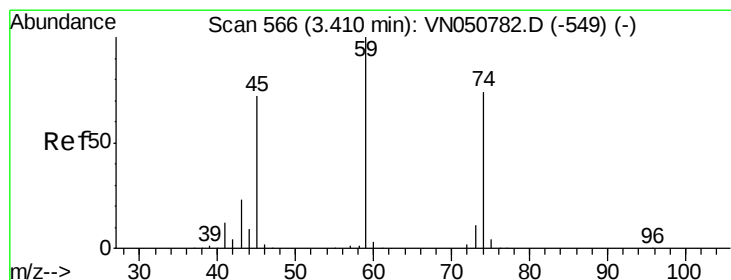
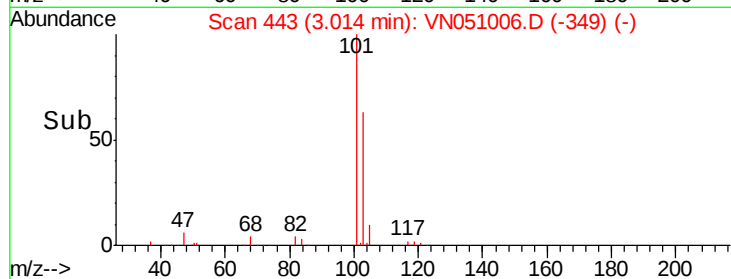
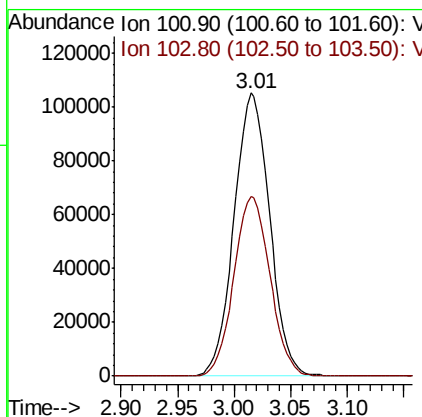
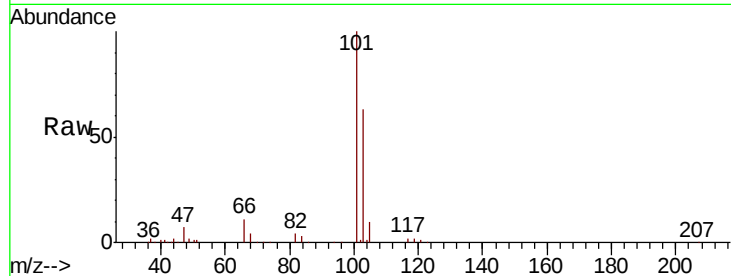
Trichlorofluoromethane
 Concen: 18.96 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	230842		
103	63.3	51.6	77.4	

Manual Integrations
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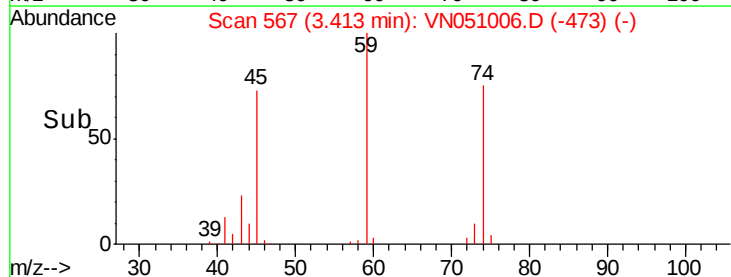
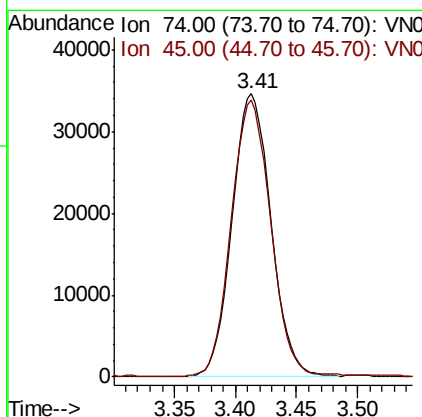
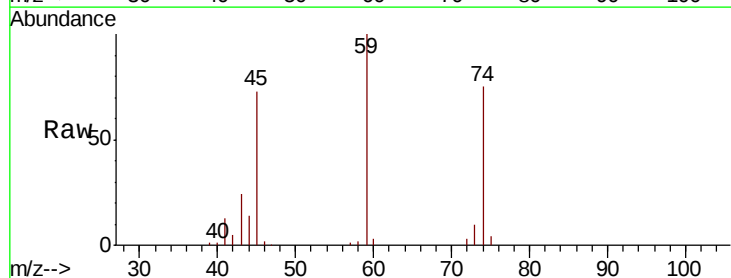
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 9/5/2018 12:00:06 PM



#8

Diethyl Ether
 Concen: 18.53 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	76686		
45	99.0	48.2	144.6	





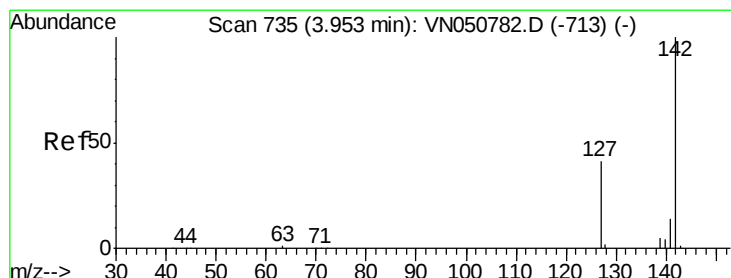
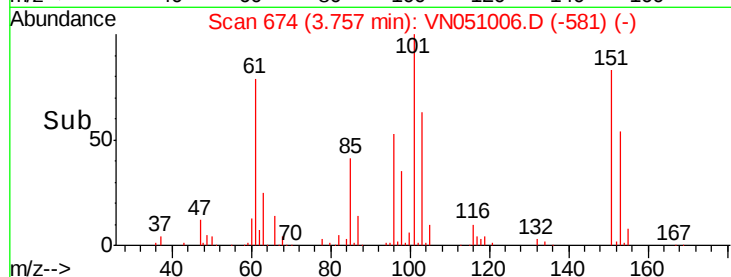
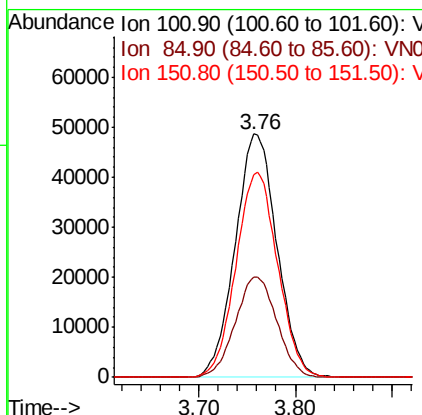
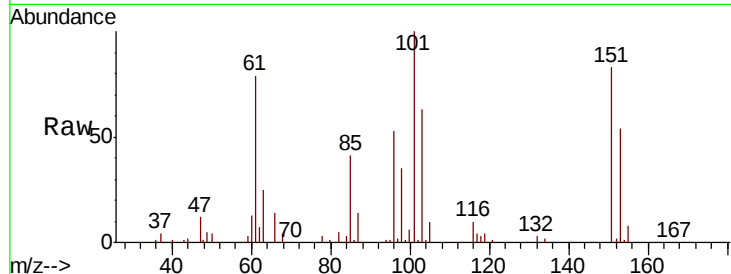
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.19 ug/l
 RT: 3.76 min Scan# 674
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
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 VN0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	145945		
85	40.9		33.7	50.5
151	84.1		67.4	101.2

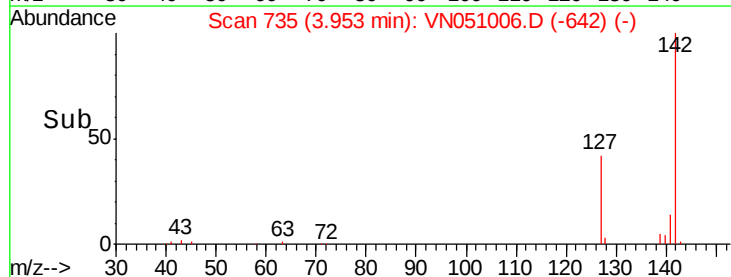
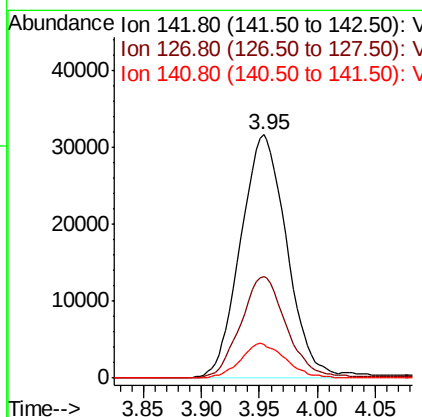
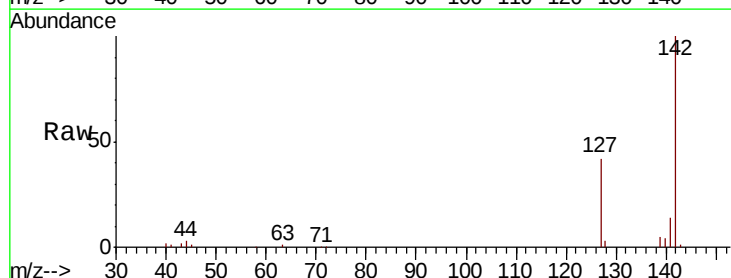
Manual Integrations
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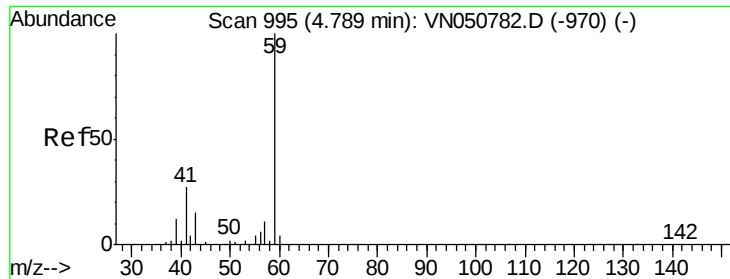
MMDadoda
 9/5/2018 12:00:06 PM



#10
 Methyl Iodide
 Concen: 17.79 ug/l
 RT: 3.95 min Scan# 735
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	87531		
127	41.6		31.7	47.5
141	13.9		11.4	17.0





#11

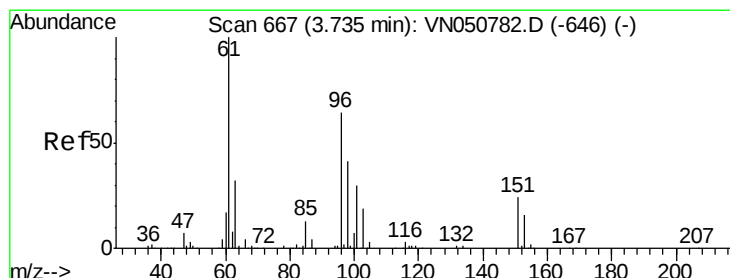
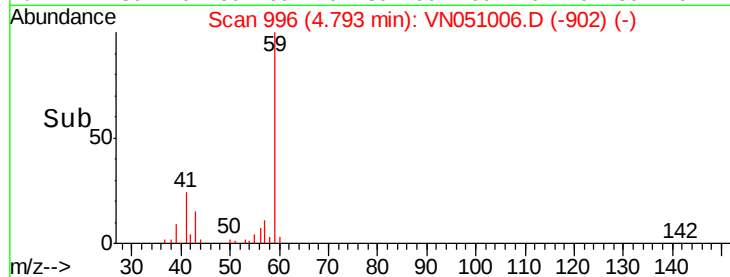
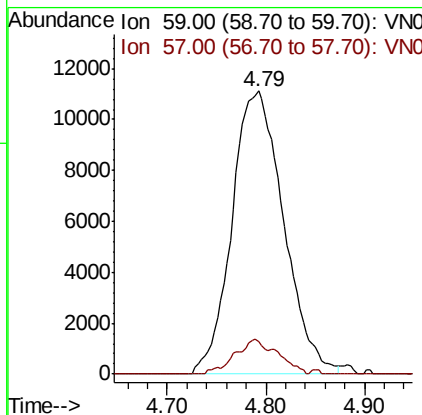
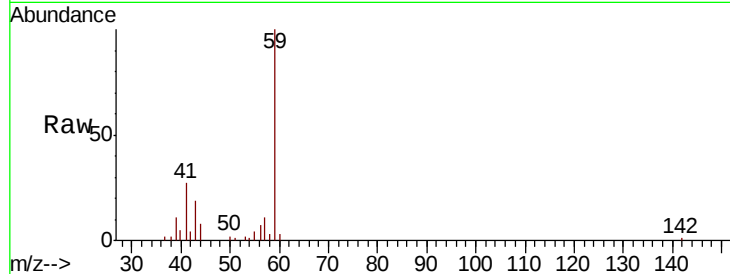
Tert butyl alcohol
 Concen: 86.62 ug/l
 RT: 4.79 min Scan# 996
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBS01

Tot Ion	59	Resp	40372
Ion Ratio	100	Lower	Upper
57	10.3	8.3	12.5

Manual Integrations
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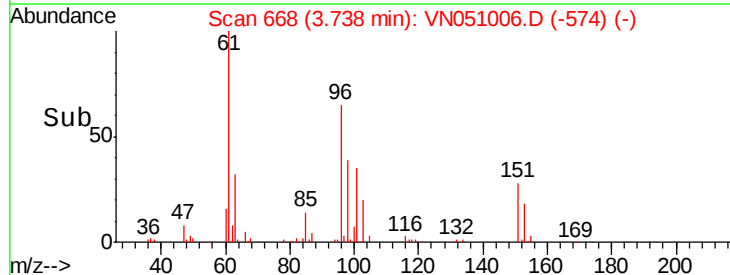
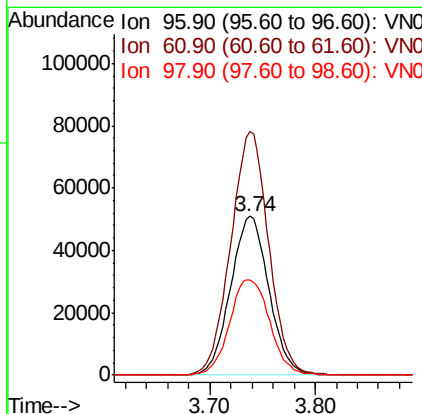
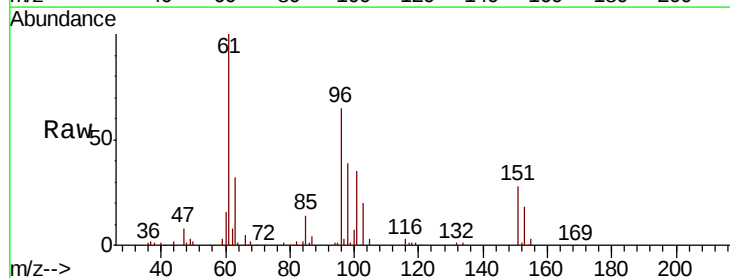
MMDadoda
 9/5/2018 12:00:06 PM



#12

1,1-Dichloroethene
 Concen: 18.81 ug/l
 RT: 3.74 min Scan# 668
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	96	Resp	128439
Ion Ratio	100	Lower	Upper
61	152.6	124.9	187.3
98	59.5	51.1	76.7





#13

Acrolein

Concen: 103.32 ug/l

RT: 3.61 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS01

Tot Ion: 56 Resp: 25037

Ion Ratio Lower Upper

56 100

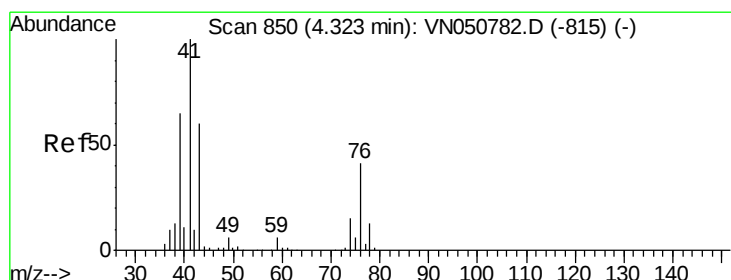
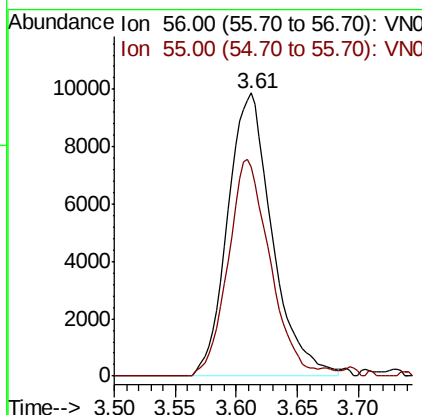
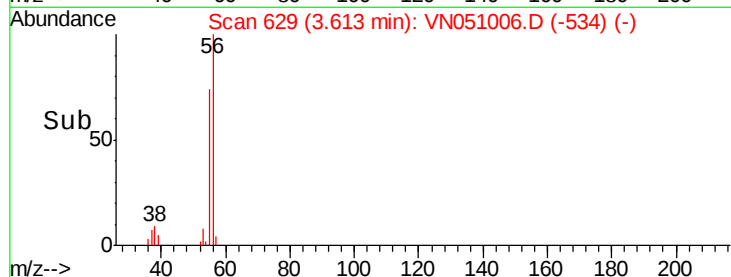
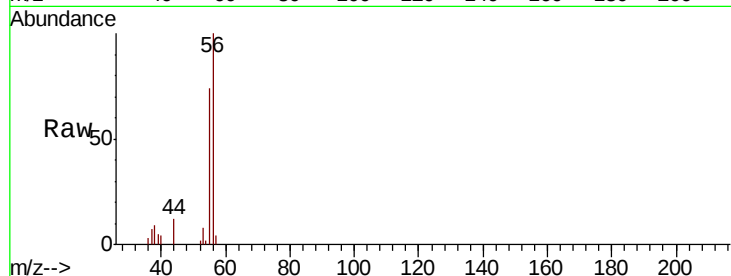
55 72.9 57.7 86.5

Manual Integrations

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#14

Allyl chloride

Concen: 18.42 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

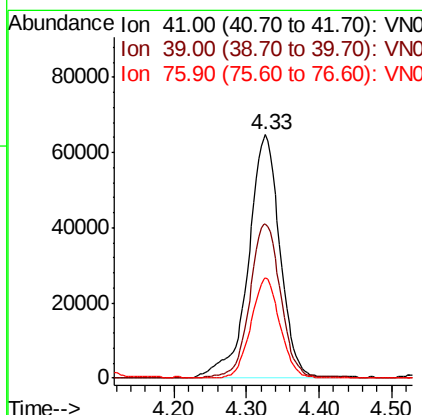
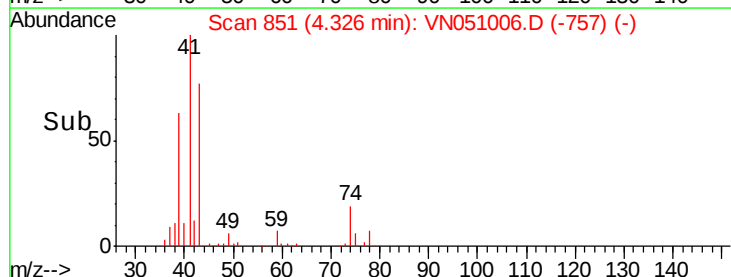
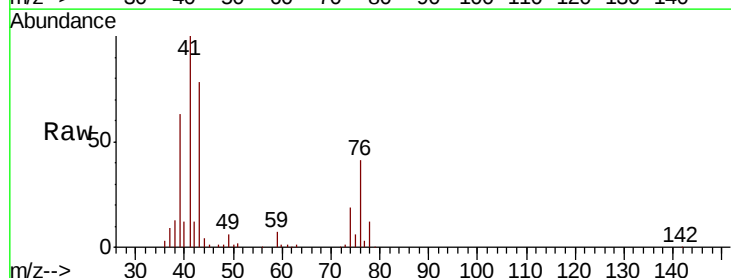
Tgt Ion: 41 Resp: 195978

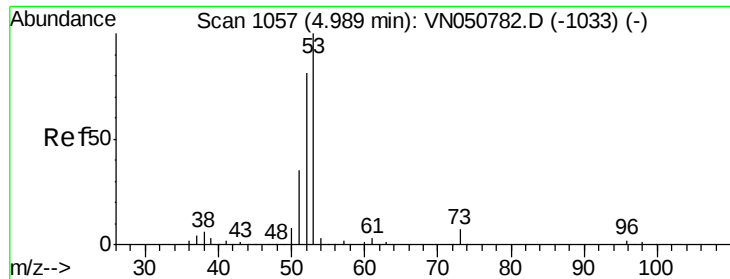
Ion Ratio Lower Upper

41 100

39 61.8 50.2 75.2

76 38.0 29.8 44.8





#15

Acrylonitrile

Concen: 92.27 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

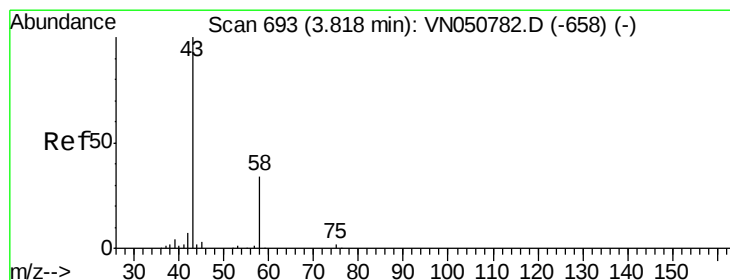
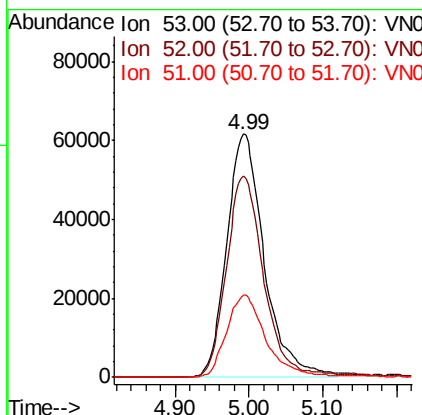
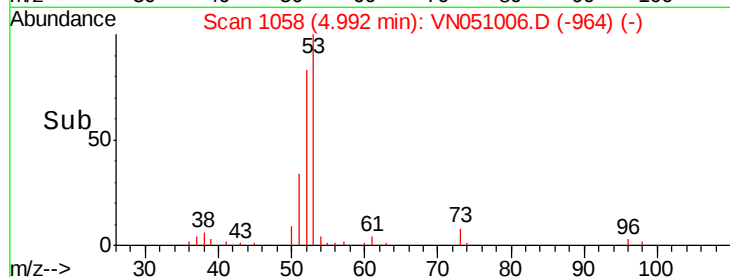
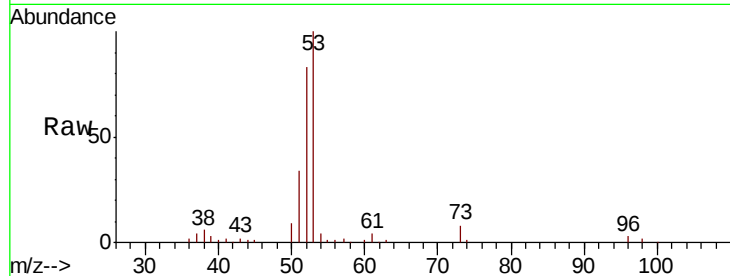
ClientSampled :

VN0904WBS01

Tot Ion:	53	Resp:	218561
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.9	98.9
51	35.0	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 96.00 ug/l

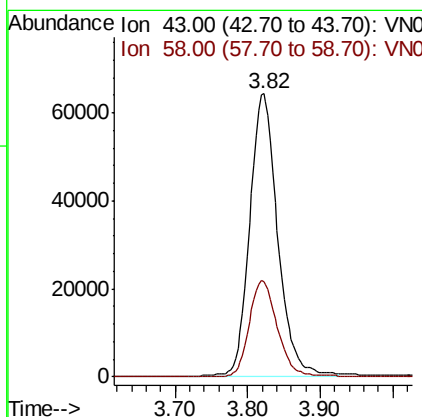
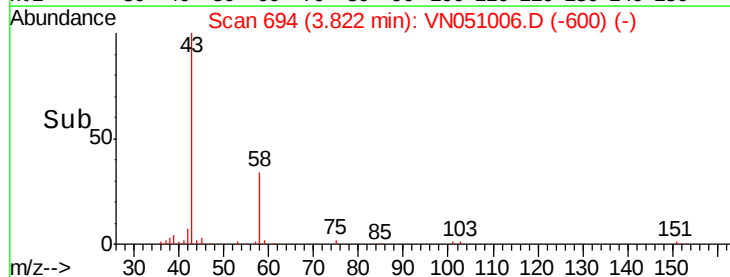
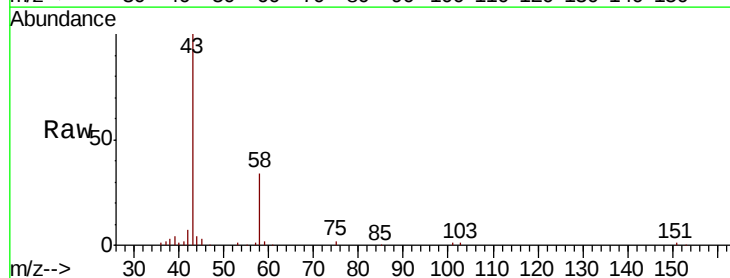
RT: 3.82 min Scan# 694

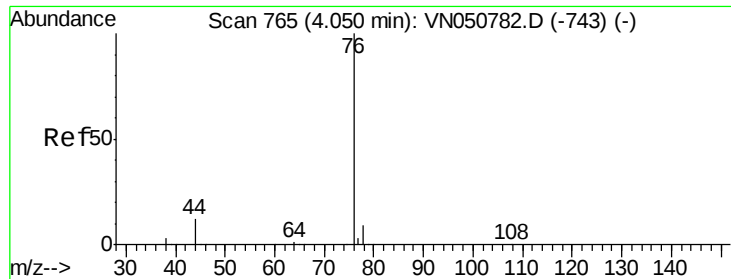
Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Tgt Ion:	43	Resp:	173924
Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.2	40.8





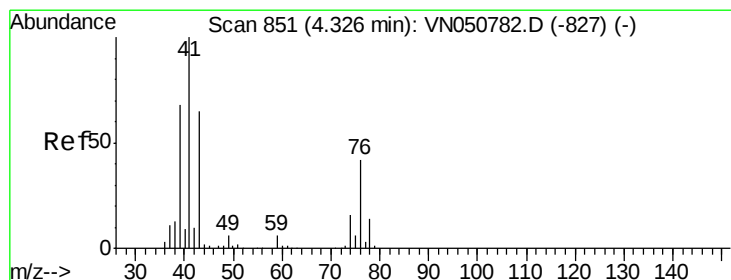
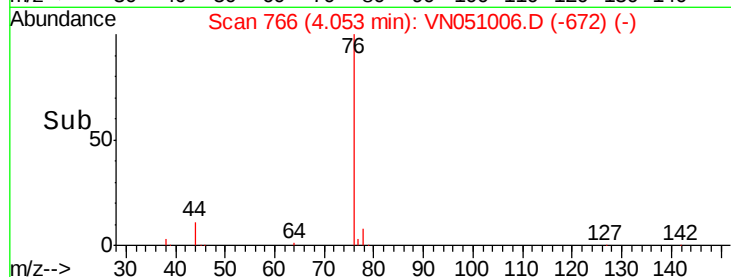
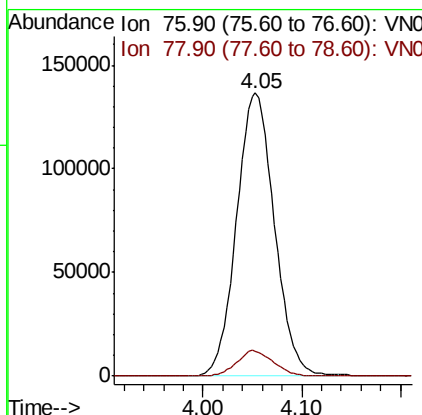
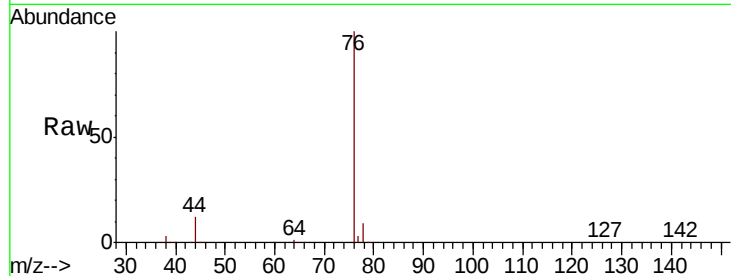
#17
Carbon Disulfide
Concen: 15.84 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.3	10.9

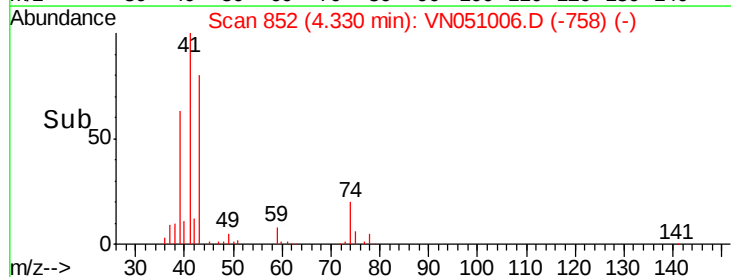
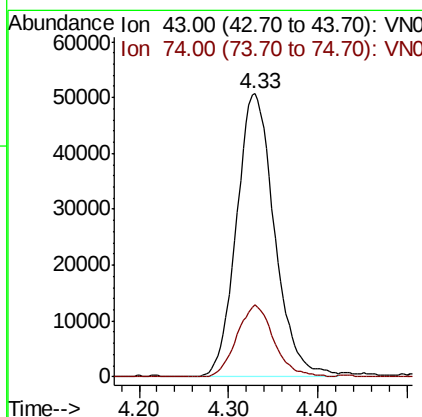
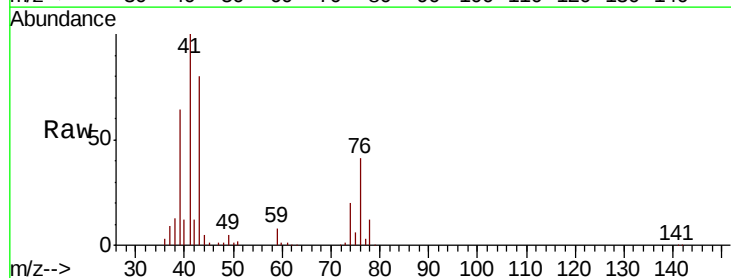
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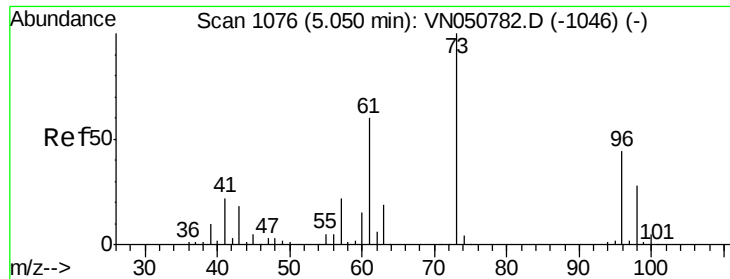
MMDadoda
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#18
Methyl Acetate
Concen: 21.73 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.8	29.8





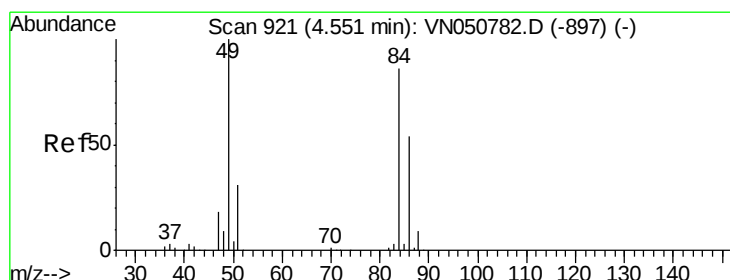
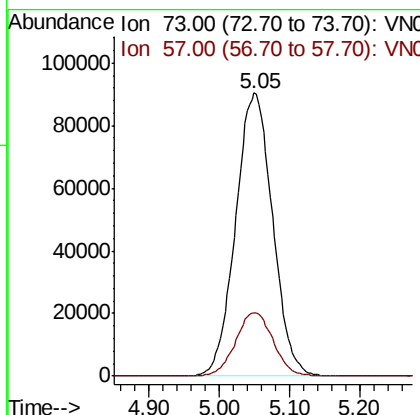
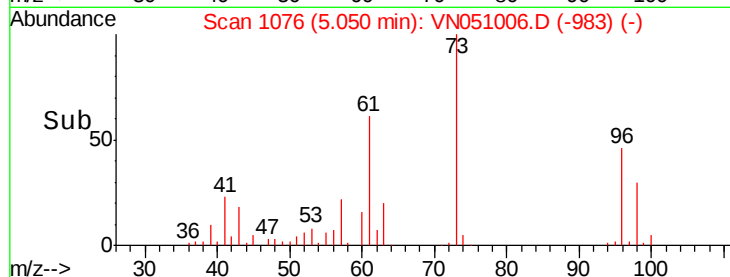
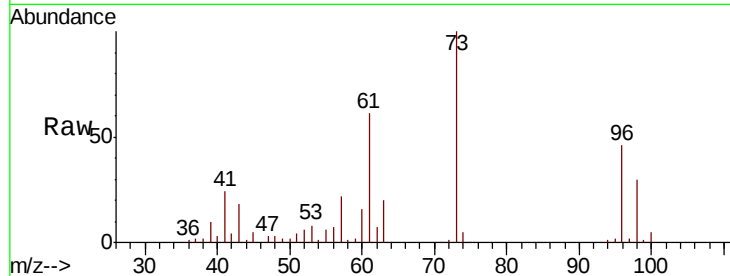
#19
Methvl tert-butvl Ether
Concen: 19.23 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.4	17.8	26.8

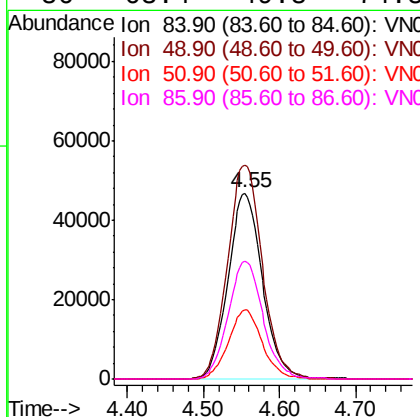
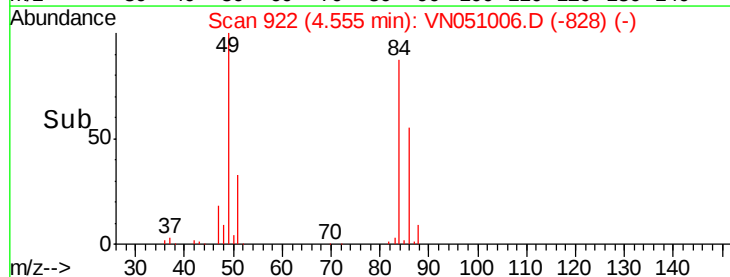
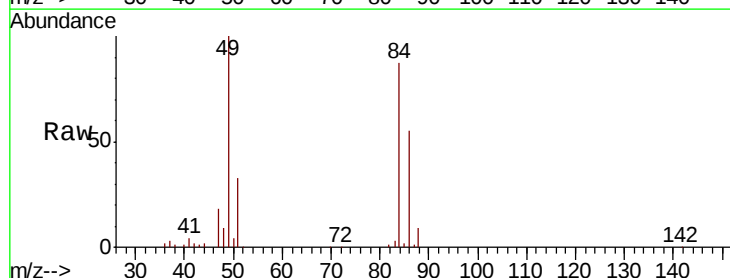
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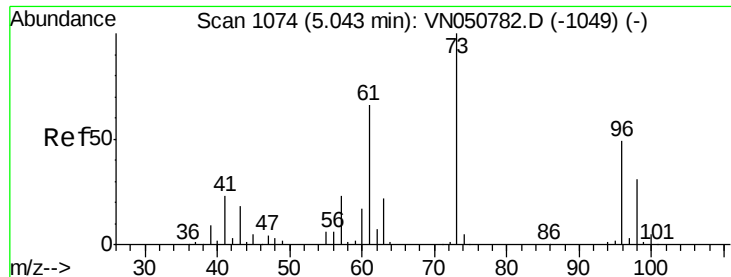
MMDadoda
9/5/2018 12:00:06 PM



#20
Methylene Chloride
Concen: 17.81 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
84	100		
49	114.8	93.2	139.8
51	37.3	29.0	43.6
86	63.4	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 18.29 ug/l

RT: 5.05 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

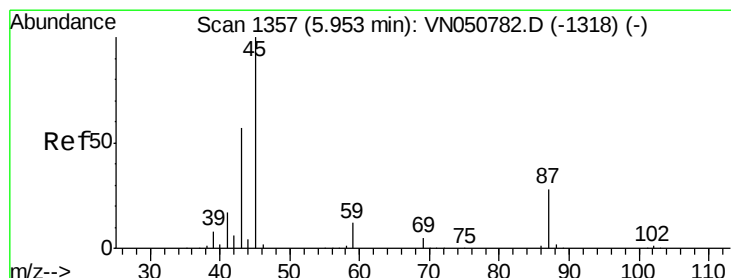
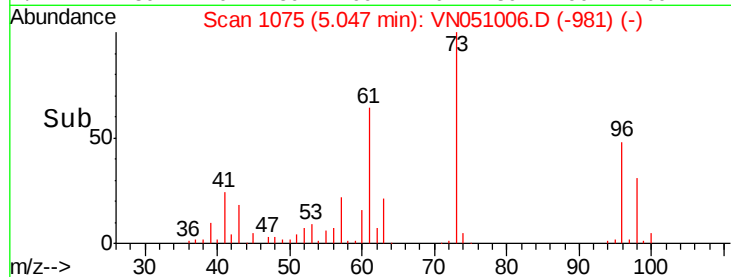
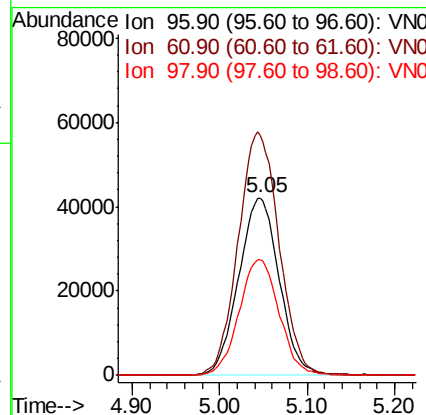
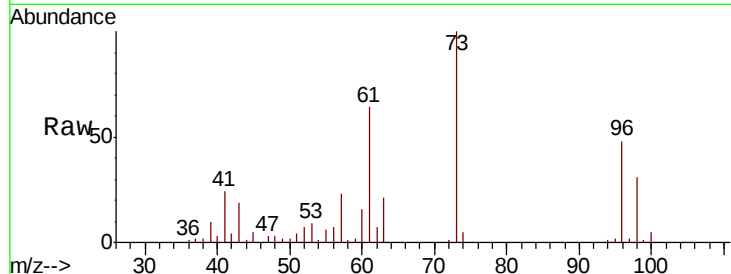
ClientSampled :

VN0904WBS01

Tot Ion:	96	Resp:	135094
Ion	Ratio	Lower	Upper
96	100		
61	135.4	107.4	161.0
98	65.1	50.7	76.1

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#22

Diisopropyl ether

Concen: 20.03 ug/l

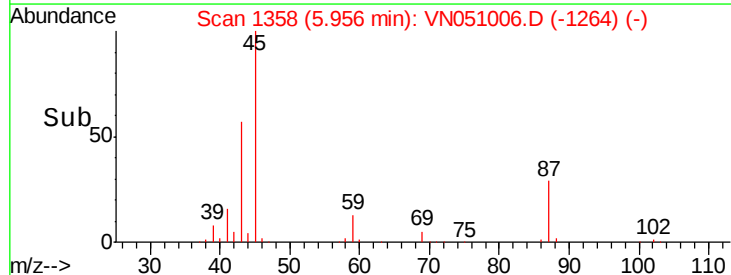
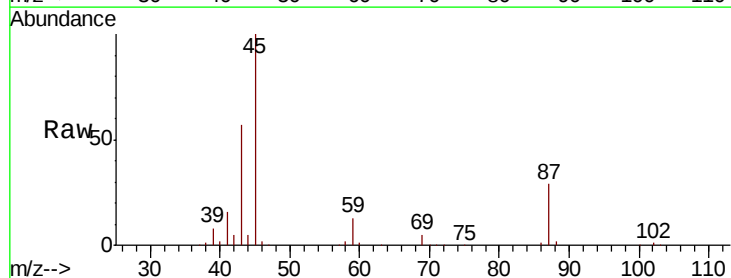
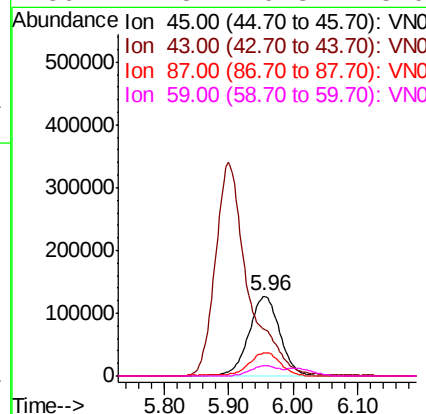
RT: 5.96 min Scan# 1358

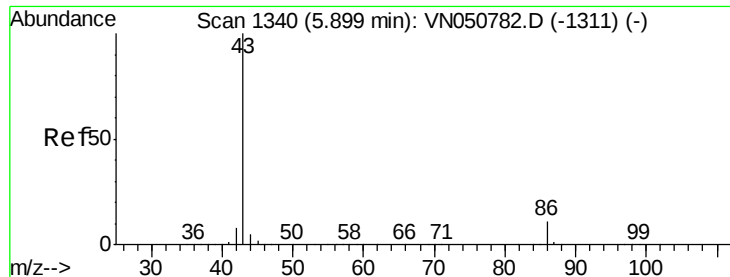
Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Tgt Ion:	45	Resp:	424724
Ion	Ratio	Lower	Upper
45	100		
43	56.1	45.9	68.9
87	29.3	22.7	34.1
59	12.8	9.3	13.9





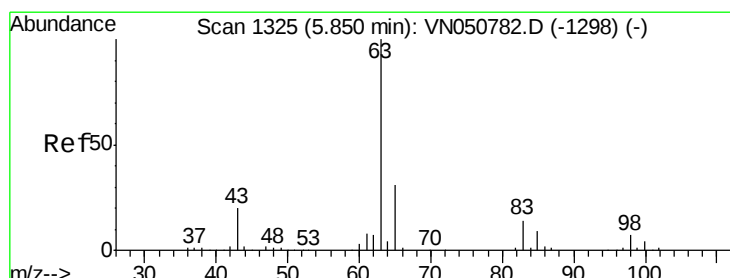
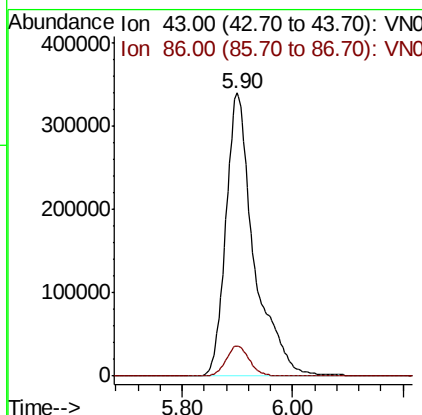
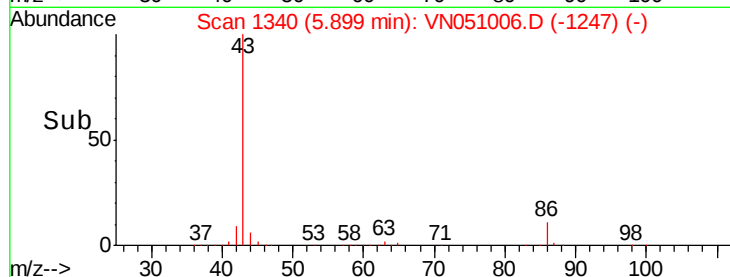
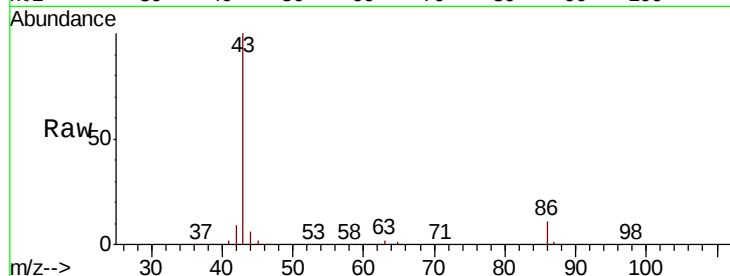
#23
 Vinyl Acetate
 Concen: 88.27 ug/l
 RT: 5.90 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS01

Tot Ion: 43 Resp: 1205449
 Ion Ratio Lower Upper
 43 100
 86 10.8 8.7 13.1

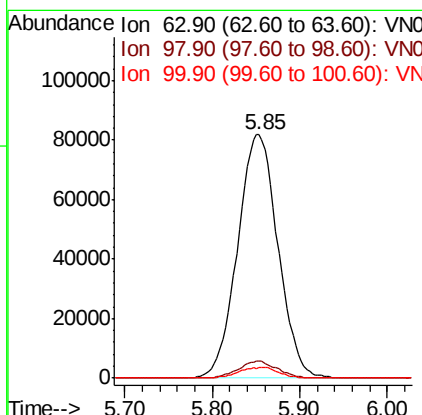
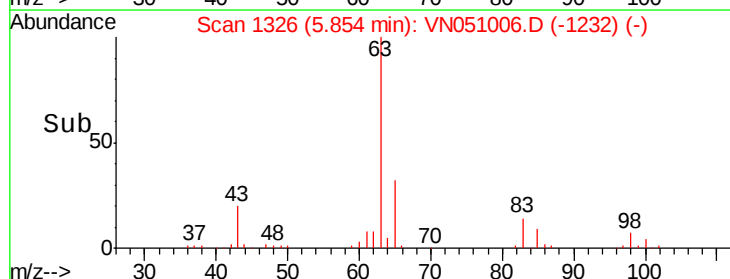
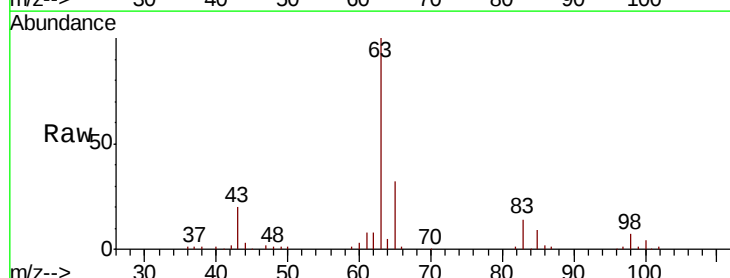
Manual Integrations
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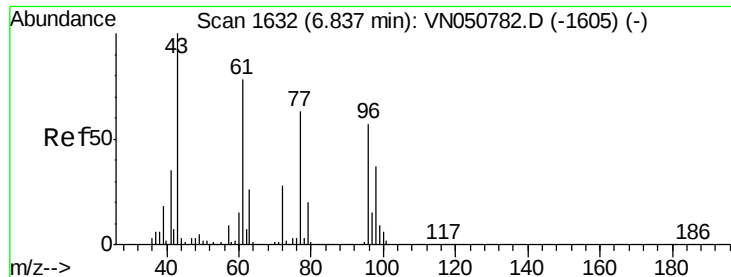
MMDadoda
 9/5/2018 12:00:06 PM



#24
 1,1-Dichloroethane
 Concen: 19.20 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion: 63 Resp: 261353
 Ion Ratio Lower Upper
 63 100
 98 7.2 3.3 9.8
 100 4.1 2.1 6.5





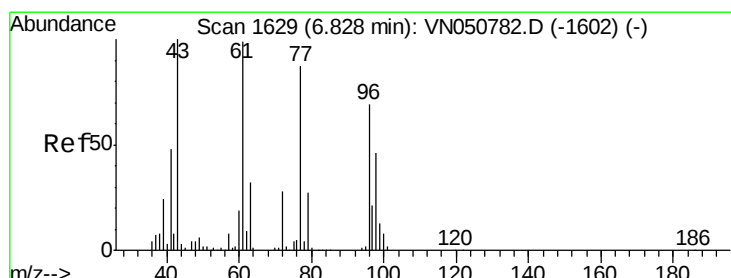
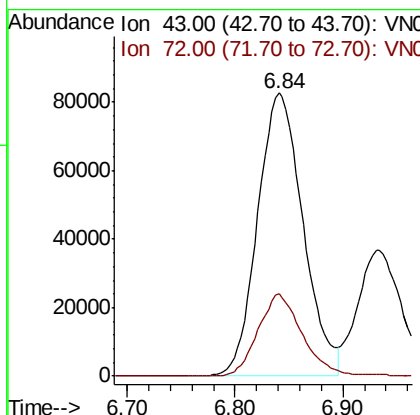
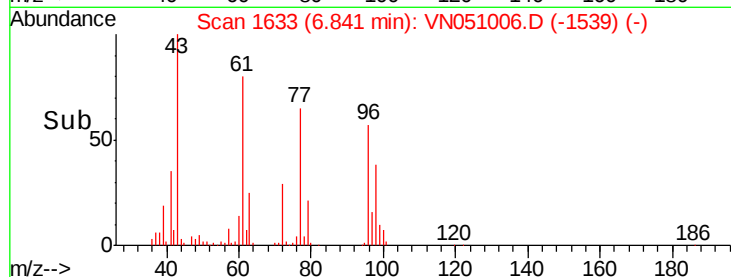
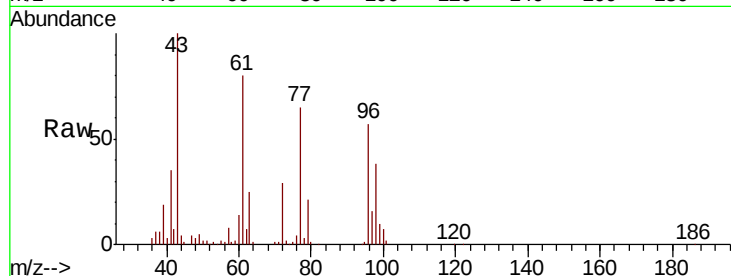
#25
2-Butanone
Concen: 81.95 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS01

Tot Ion: 43 Resp: 241709
Ion Ratio Lower Upper
43 100
72 29.2 22.3 33.5

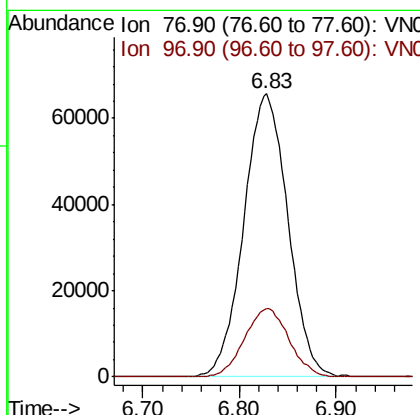
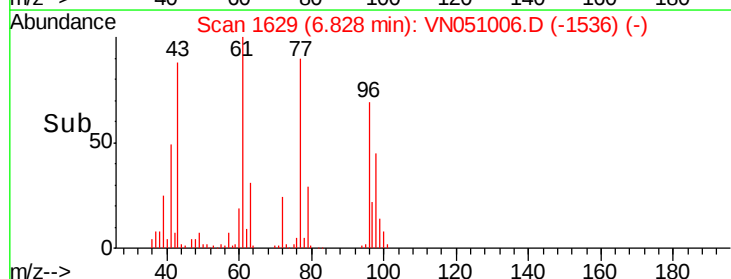
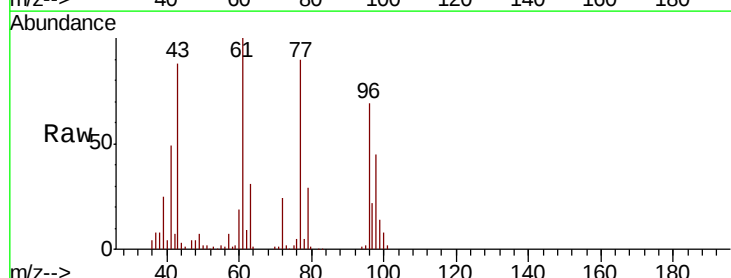
Manual Integrations
APPROVED

MMDadoda
9/5/2018 12:00:06 PM



#26
2,2-Dichloropropane
Concen: 19.02 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion: 77 Resp: 208015
Ion Ratio Lower Upper
77 100
97 24.3 12.0 36.0





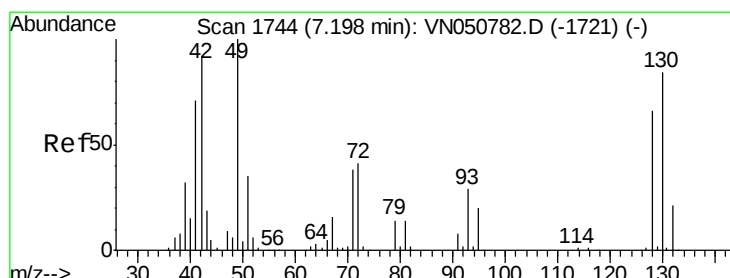
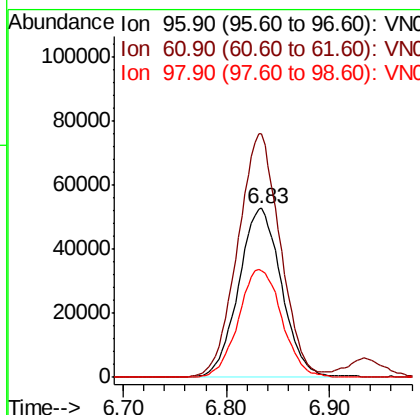
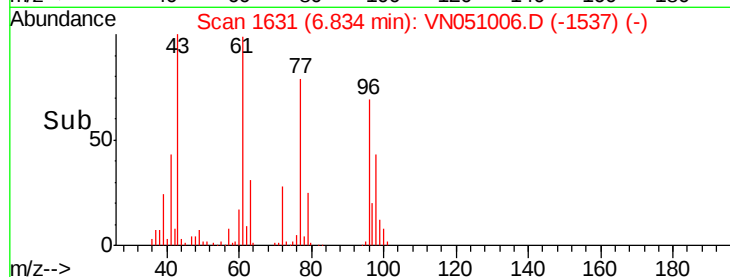
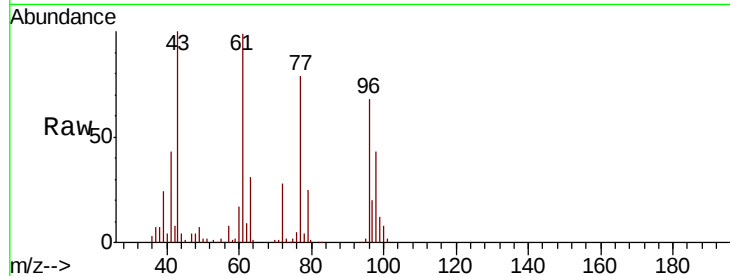
#27
 cis-1,2-Dichloroethene
 Concen: 19.11 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	152184		
61	143.3	0.0	283.4	
98	64.5	0.0	129.8	

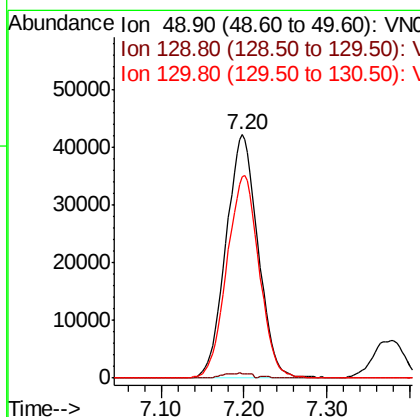
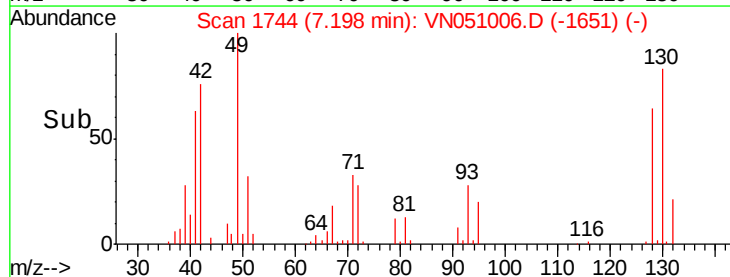
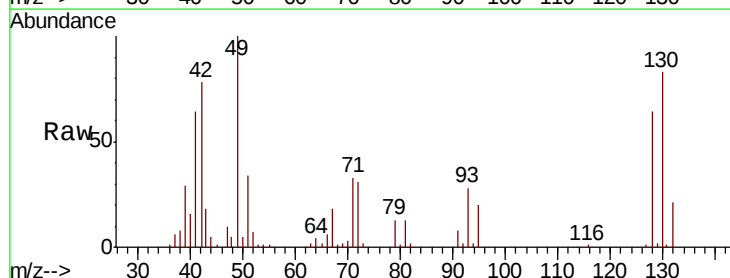
Manual Integrations
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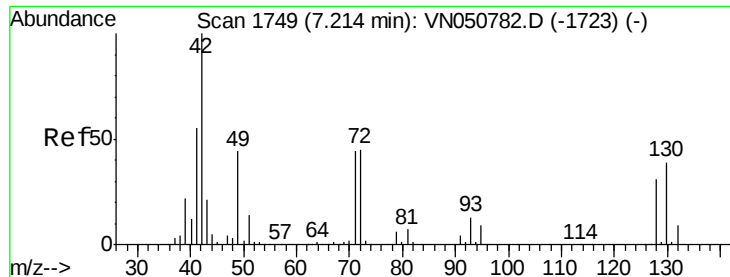
MMDadoda
 9/5/2018 12:00:06 PM



#28
 Bromochloromethane
 Concen: 19.65 ug/l
 RT: 7.20 min Scan# 1744
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113663		
129	1.7	0.0	4.2	
130	84.0	67.1	100.7	





#29

Tetrahydrofuran

Concen: 92.23 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0904WBS01

Tot Ion: 42 Resp: 155972

Ion Ratio Lower Upper

42 100

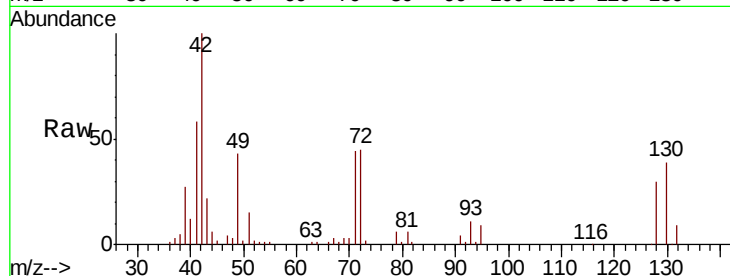
72 44.0 35.5 53.3

71 43.0 33.7 50.5

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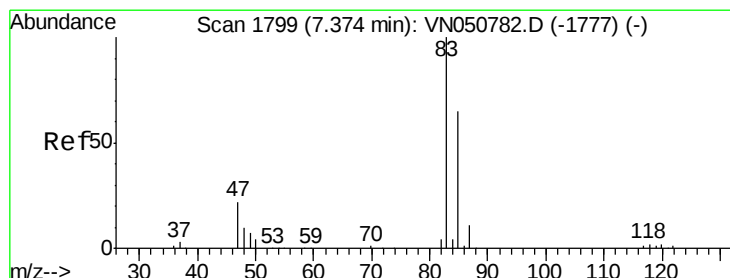
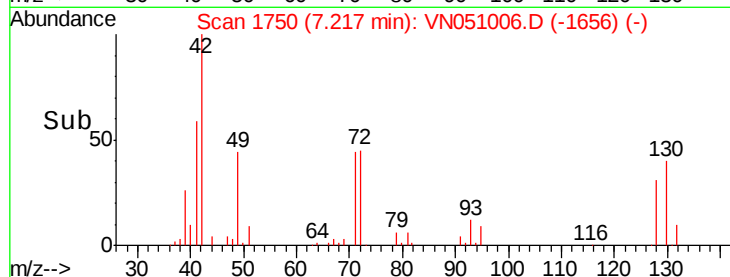
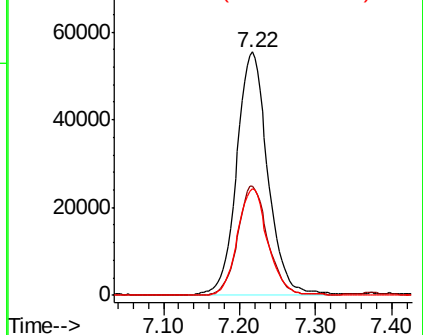
9/5/2018 12:00:06 PM



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 19.56 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.00 min

Lab File: VN051006.D

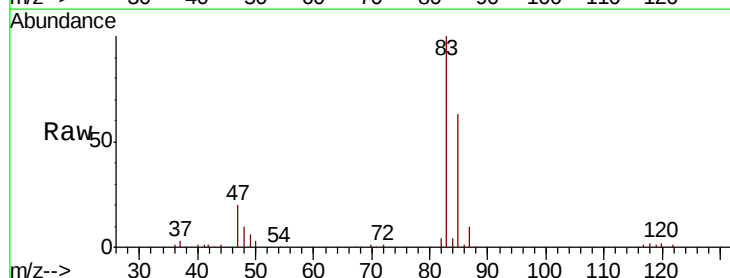
Acq: 4 Sep 2018 9:37

Tgt Ion: 83 Resp: 263636

Ion Ratio Lower Upper

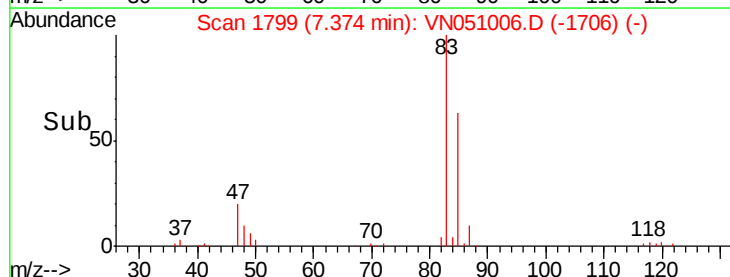
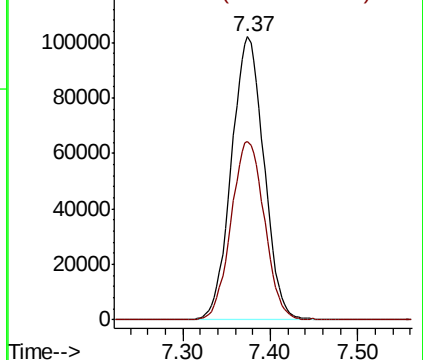
83 100

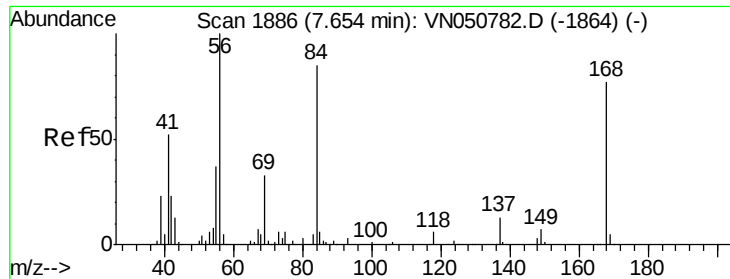
85 63.2 52.2 78.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





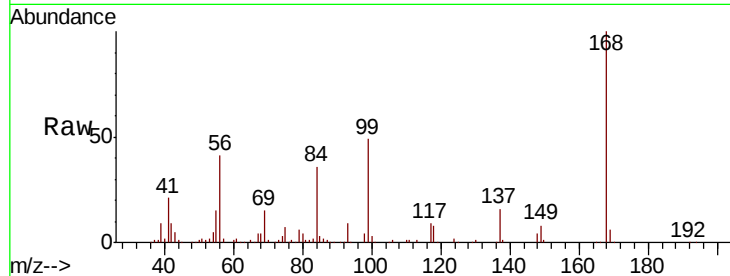
#31
Cyclohexane
Concen: 18.27 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS01

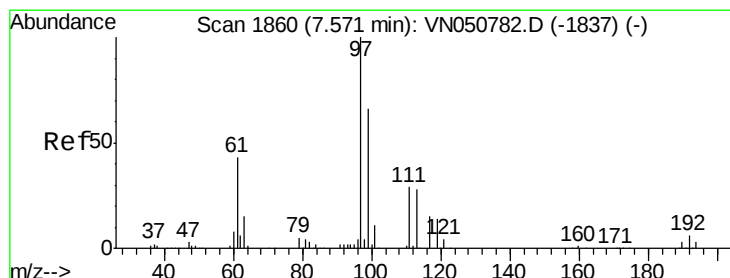
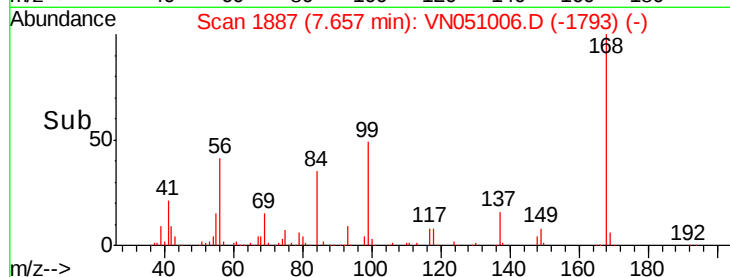
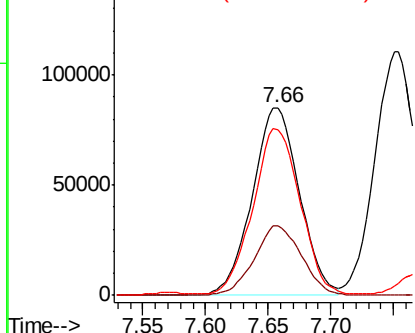
Tot Ion	Ratio	Lower	Upper
56	100		
69	37.3	26.2	39.4
84	87.3	68.3	102.5

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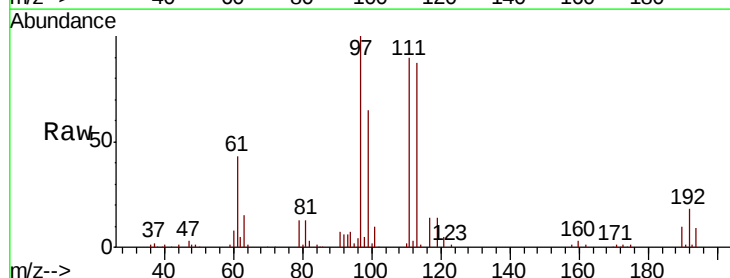


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

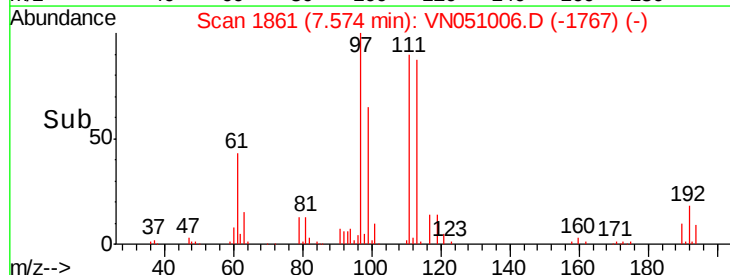
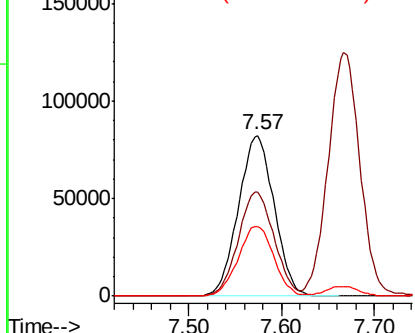


#32
1,1,1-Trichloroethane
Concen: 19.06 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	43.3	34.9	52.3



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 98.90 (98.60 to 99.60): VNC
Ion 60.90 (60.60 to 61.60): VNC





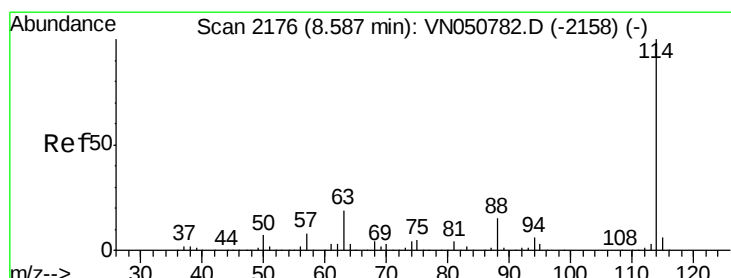
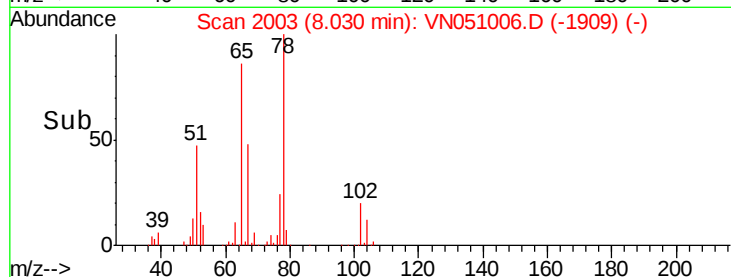
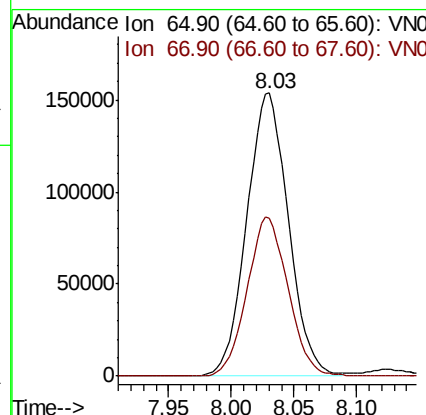
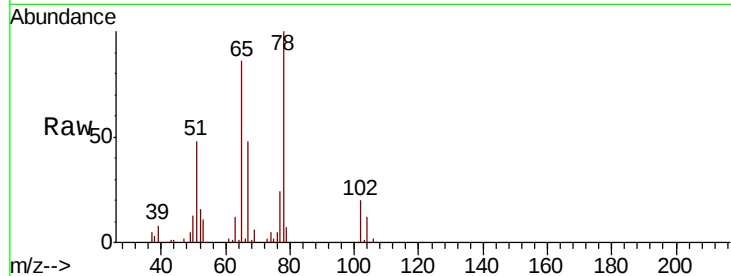
#33
 1,2-Dichloroethane-d4
 Concen: 48.55 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	55.5	0.0	110.4	

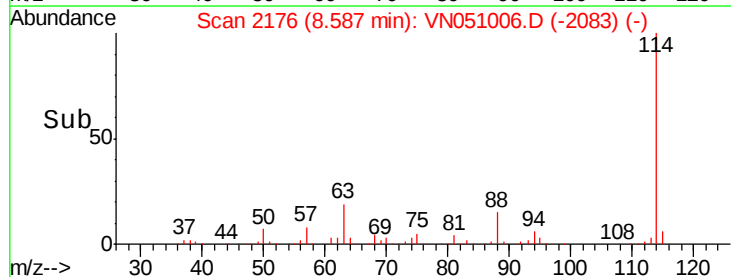
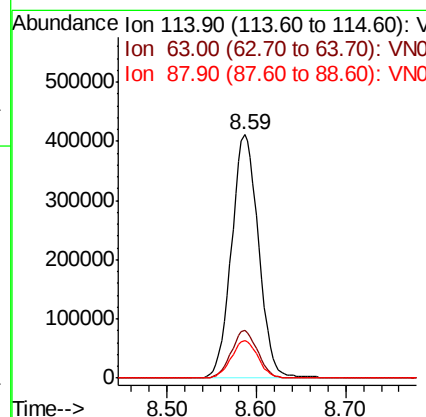
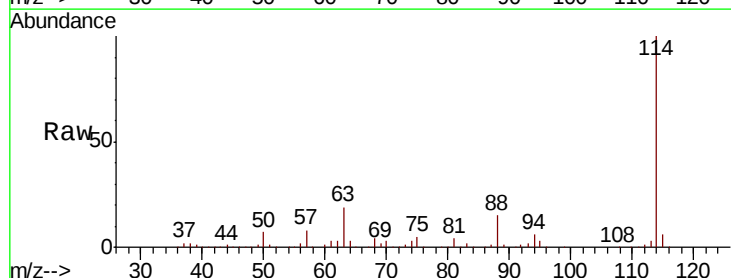
Manual Integrations
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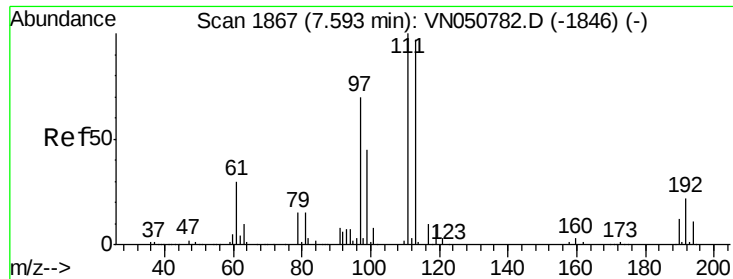
MMDadoda
 9/5/2018 12:00:06 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	38.6	
88	15.3	0.0	30.6	





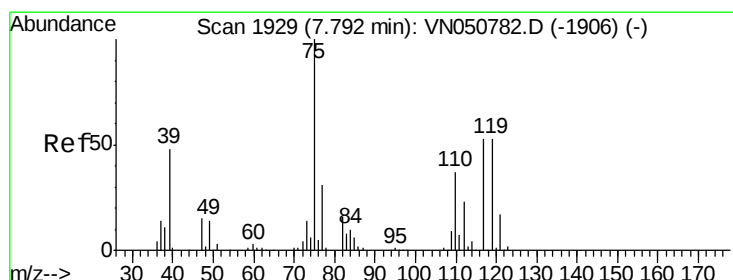
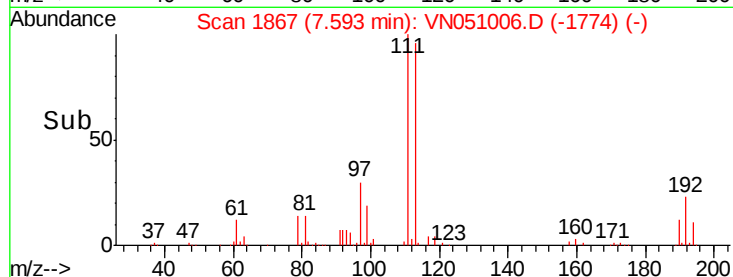
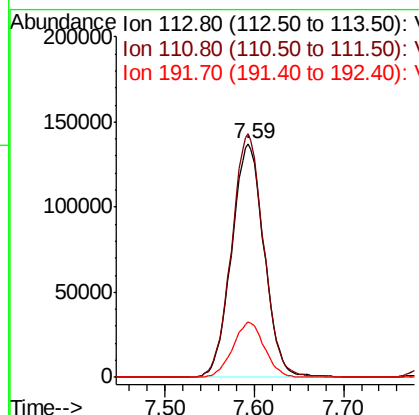
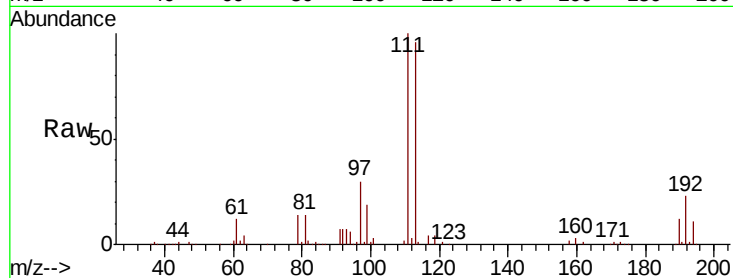
#35
 Dibromofluoromethane
 Concen: 50.52 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.4	82.6	123.8	
192	23.0	18.0	27.0	

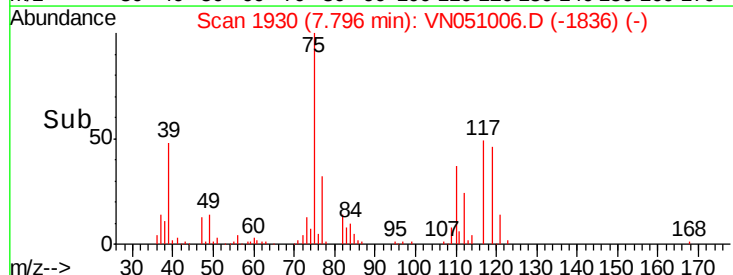
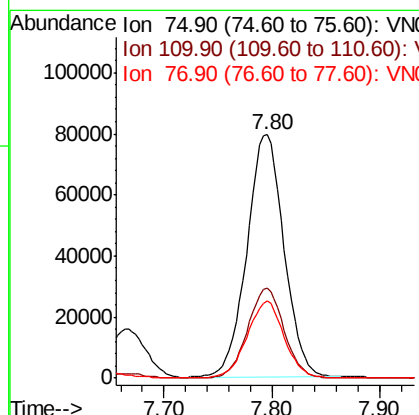
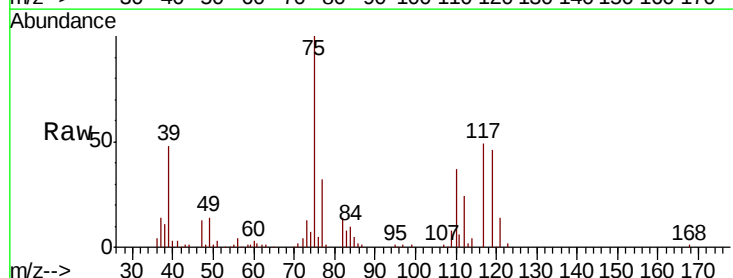
Manual Integrations
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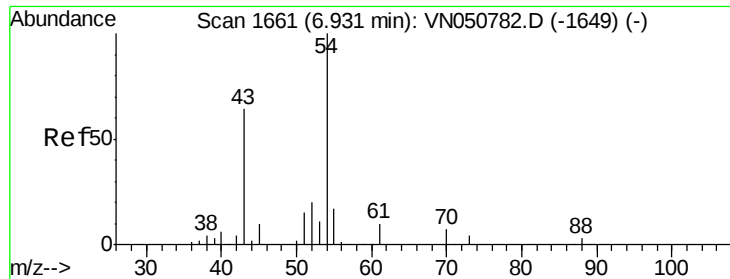
MMDadoda
 9/5/2018 12:00:06 PM



#36
 1,1-Dichloropropene
 Concen: 18.71 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.1	54.4	
77	31.8	24.8	37.2	





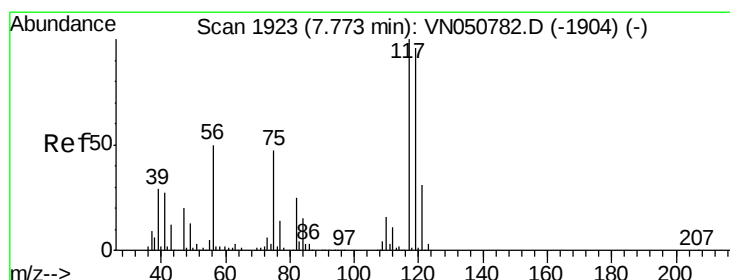
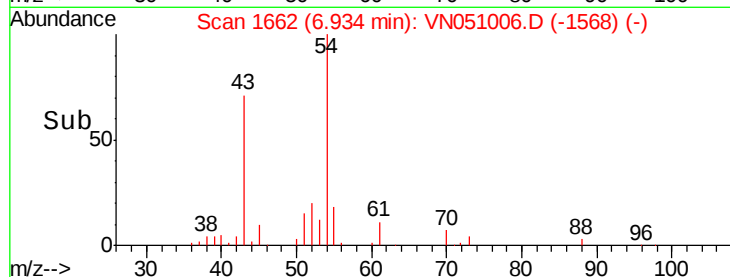
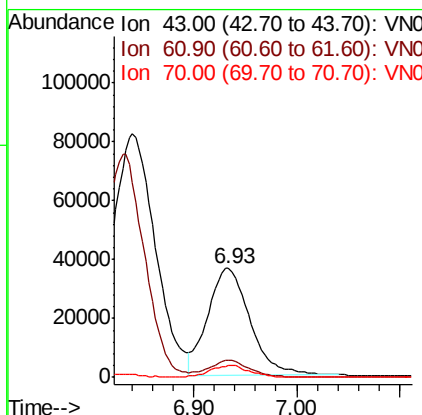
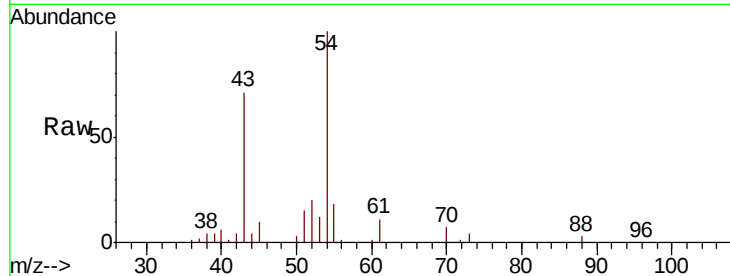
#37
Ethyl Acetate
Concen: 17.91 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	12.0	18.0
70	10.5	8.6	13.0

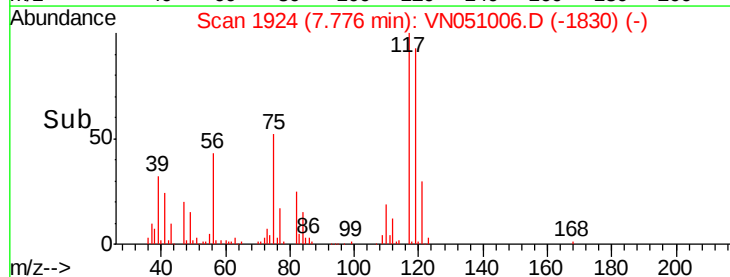
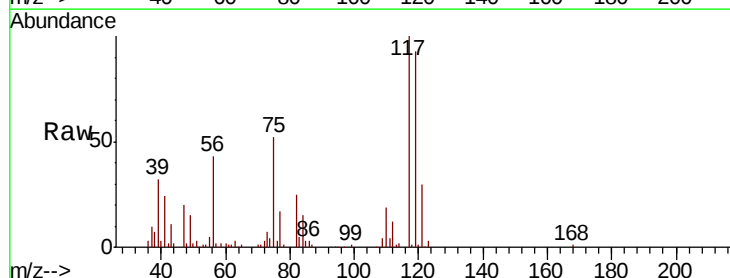
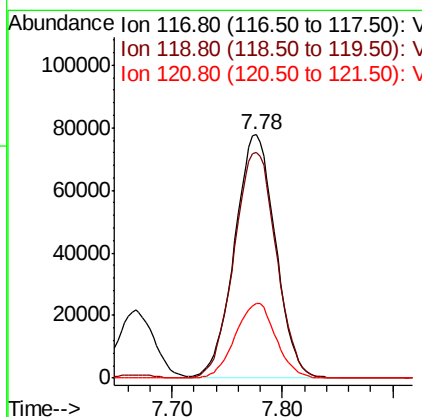
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9/5/2018 12:00:06 PM



#38
Carbon Tetrachloride
Concen: 19.46 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	76.3	114.5
121	30.5	24.6	36.8





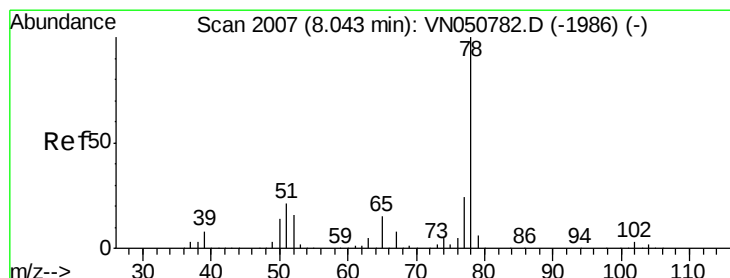
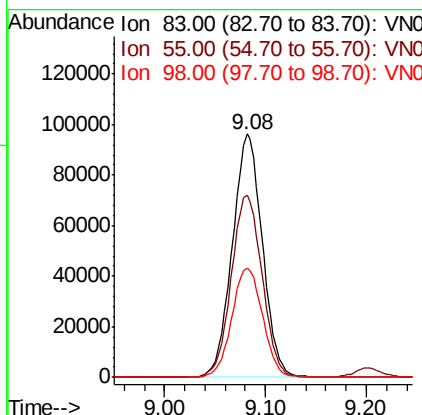
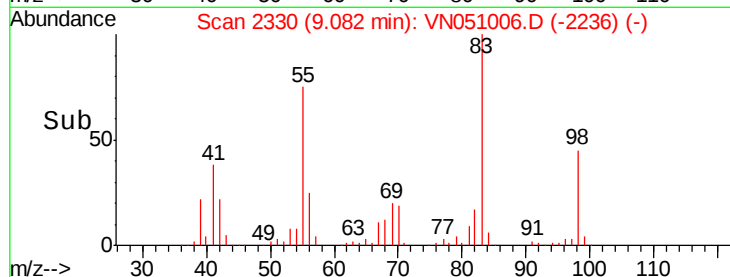
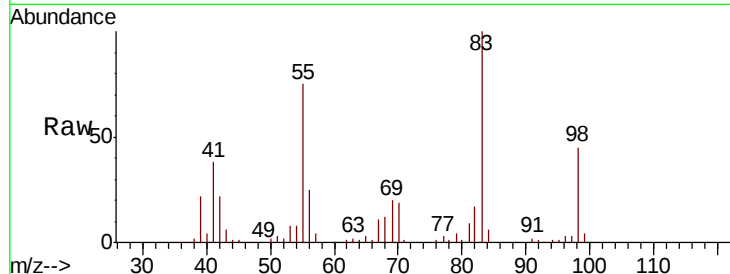
#39
Methvlcvclohexane
Concen: 18.09 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.0	91.4
98	44.8	37.5	56.3

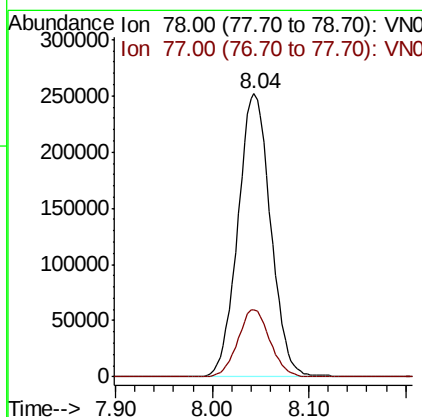
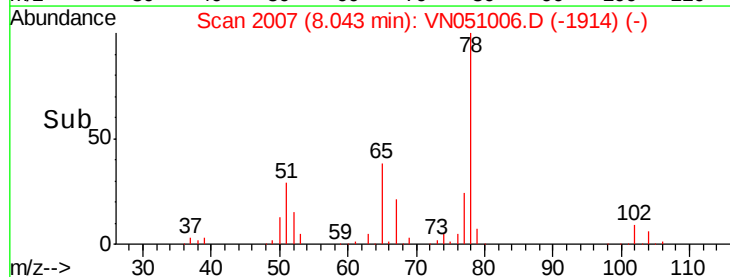
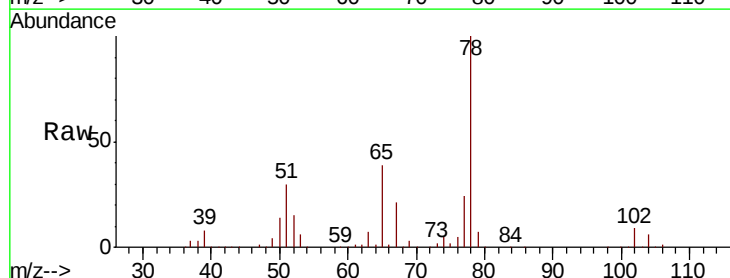
Manual Integrations
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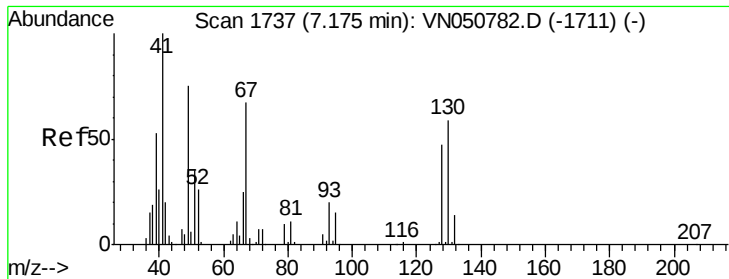
MMDadoda
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#40
Benzene
Concen: 19.36 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





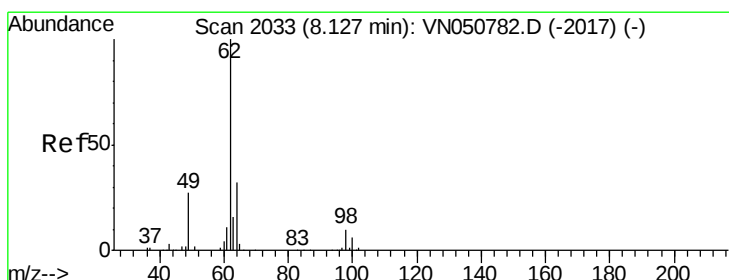
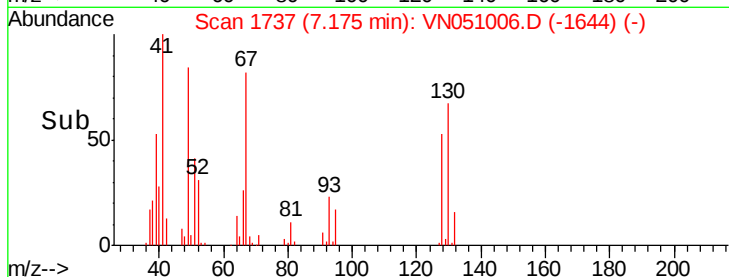
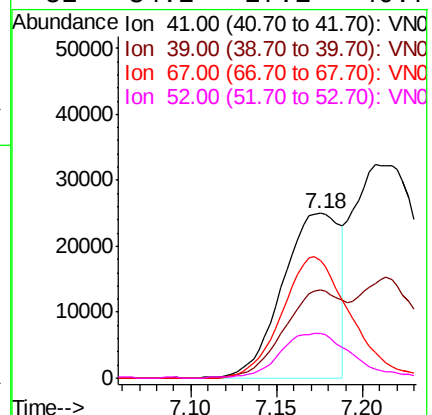
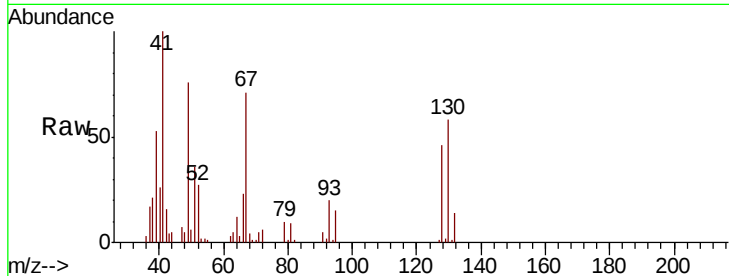
#41
Methacrylonitrile
Concen: 18.50 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.3	45.4	68.0	
67	86.9	70.6	106.0	
52	34.2	27.1	40.7	

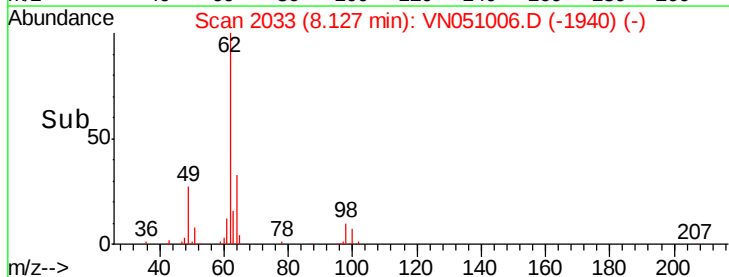
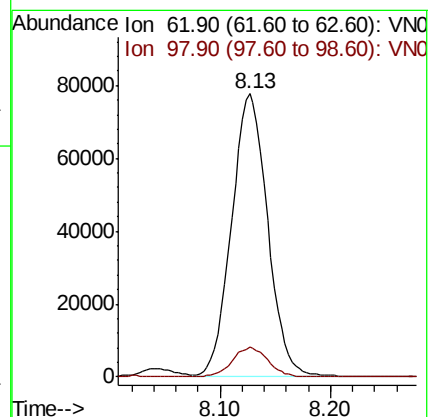
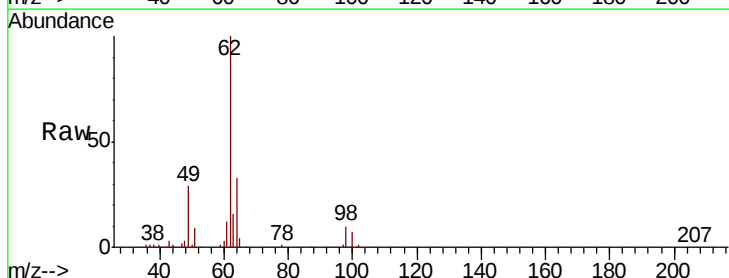
Manual Integrations
APPROVED

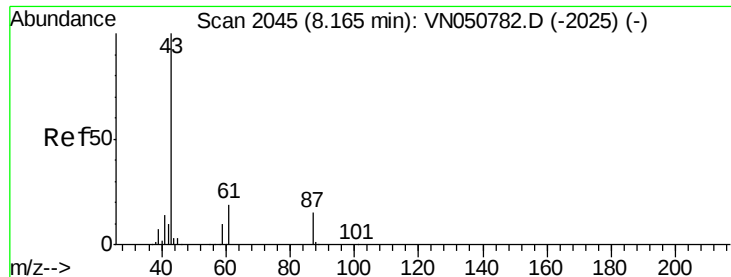
MMDadoda
9/5/2018 12:00:06 PM



#42
1,2-Dichloroethane
Concen: 19.15 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.4	0.0	19.6	





#43

Isopropyl Acetate

Concen: 19.13 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

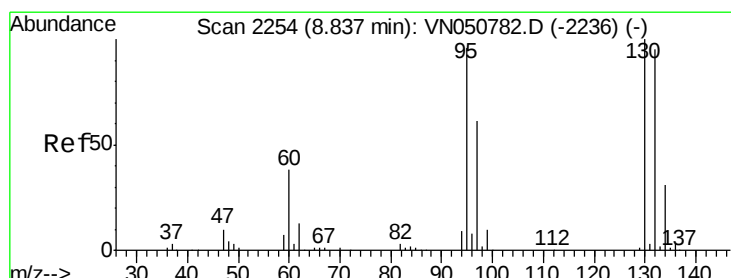
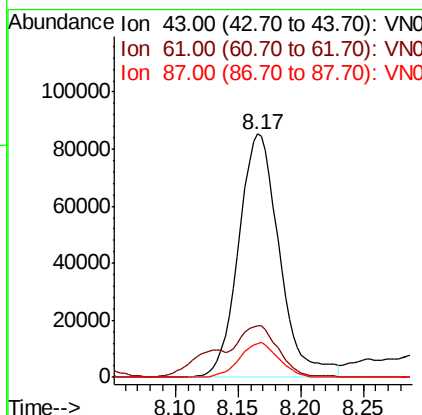
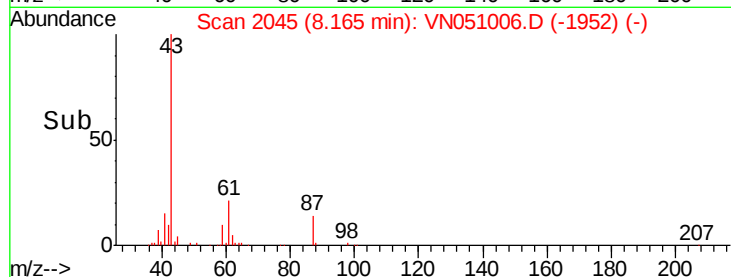
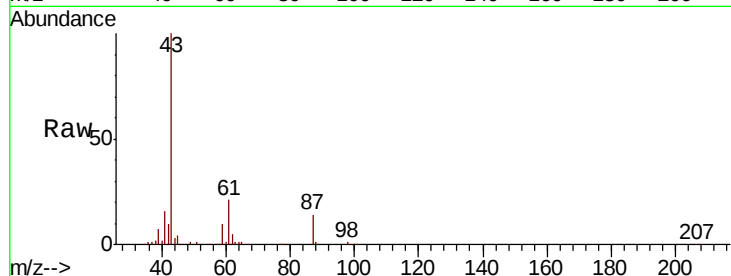
ClientSampled :

VN0904WBS01

Tot Ion:	43	Resp:	192050
Ion	Ratio	Lower	Upper
43	100		
61	20.2	17.5	26.3
87	13.7	11.3	16.9

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#44

Trichloroethene

Concen: 19.42 ug/l

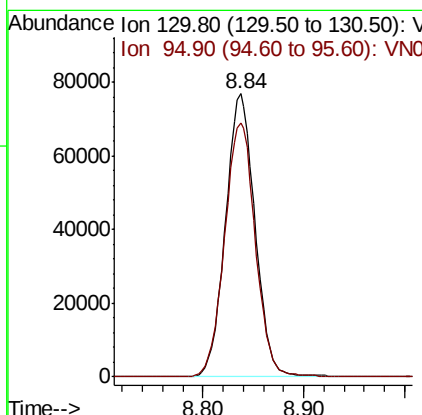
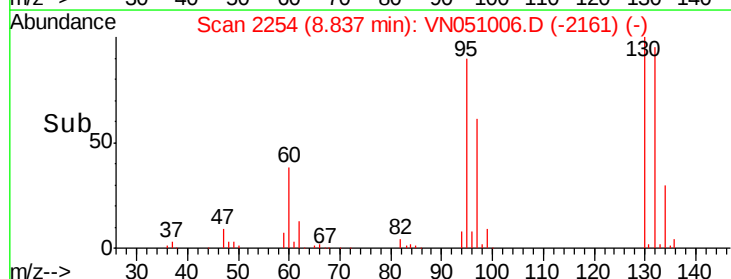
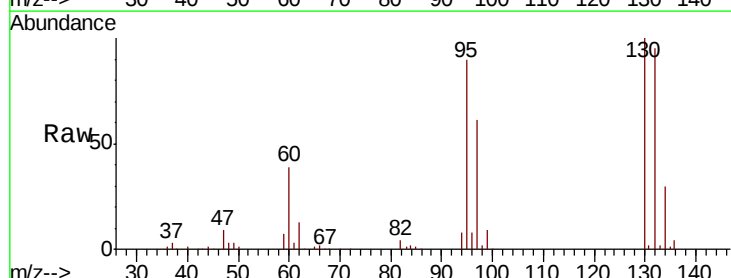
RT: 8.84 min Scan# 2254

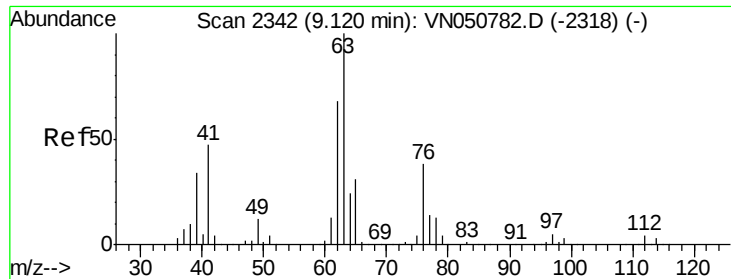
Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Tgt Ion:	130	Resp:	156999
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	193.0





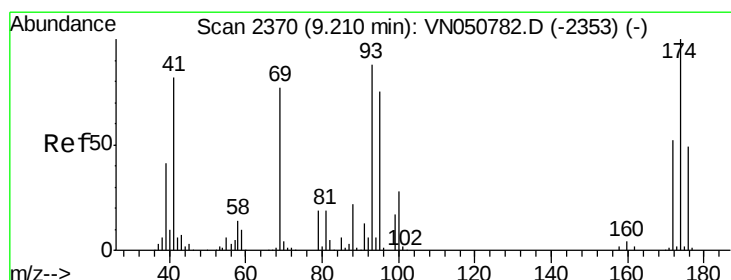
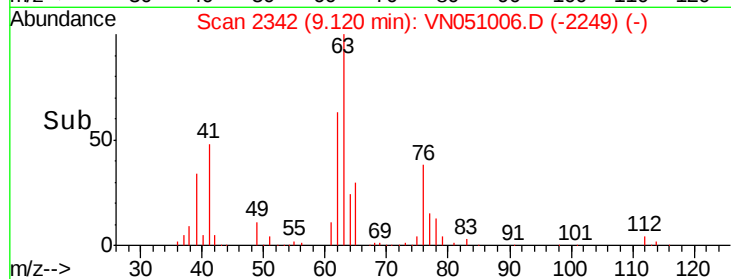
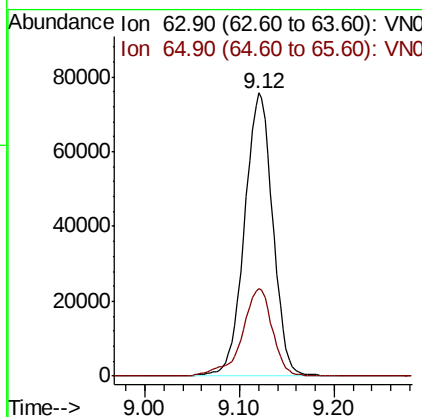
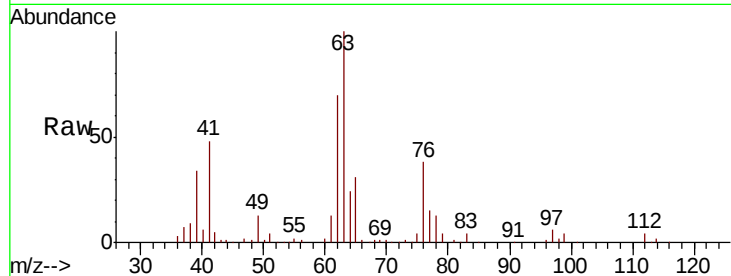
#45
 1,2-Dichloropropane
 Concen: 19.50 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS01

Tot Ion: 63 Resp: 157059
 Ion Ratio Lower Upper
 63 100
 65 30.9 25.0 37.6

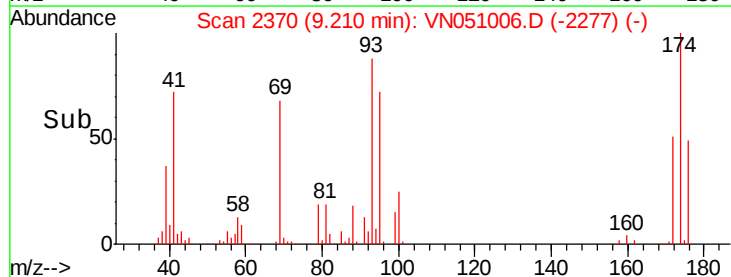
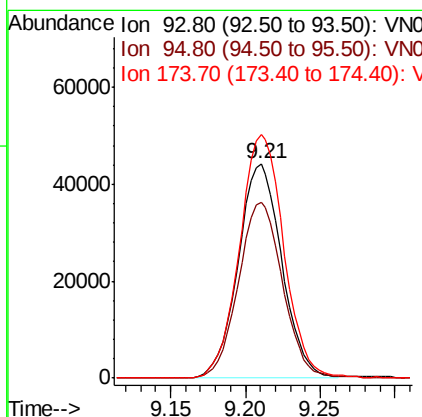
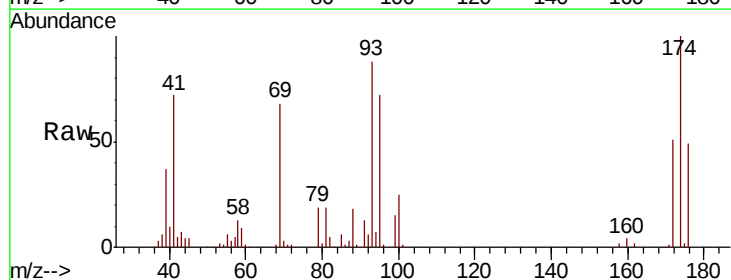
Manual Integrations
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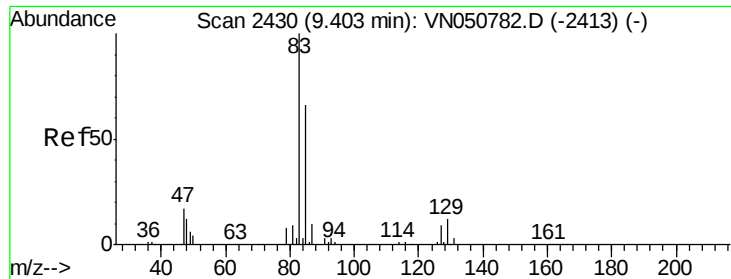
MMDadoda
 9/5/2018 12:00:06 PM



#46
 Dibromomethane
 Concen: 18.95 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion: 93 Resp: 89677
 Ion Ratio Lower Upper
 93 100
 95 83.4 66.7 100.1
 174 115.4 89.8 134.6





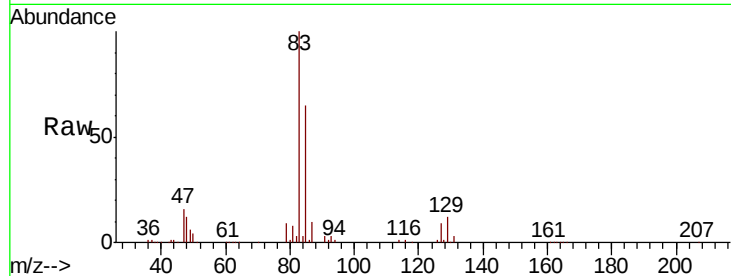
#47
Bromodichloromethane
Concen: 19.90 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

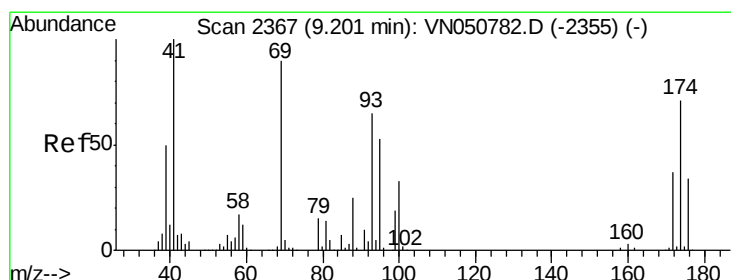
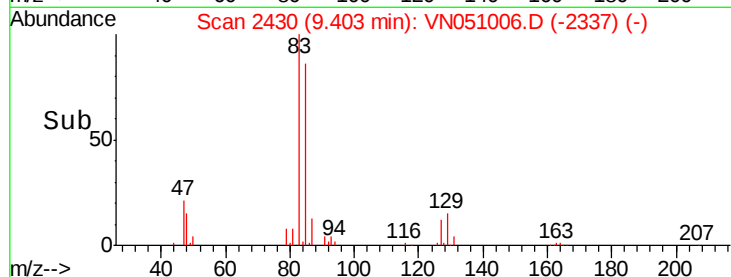
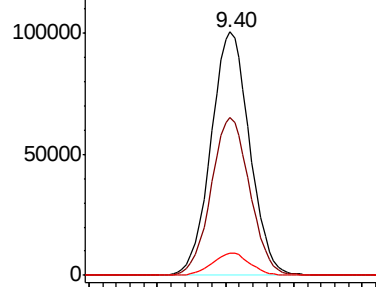
Tot Ion	83	Resp	197249
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.6	78.8
127	9.2	7.2	10.8

Manual Integrations
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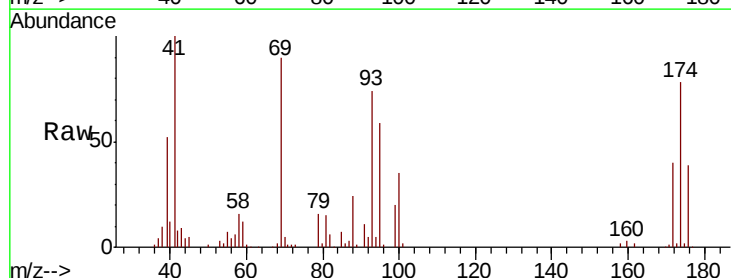


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

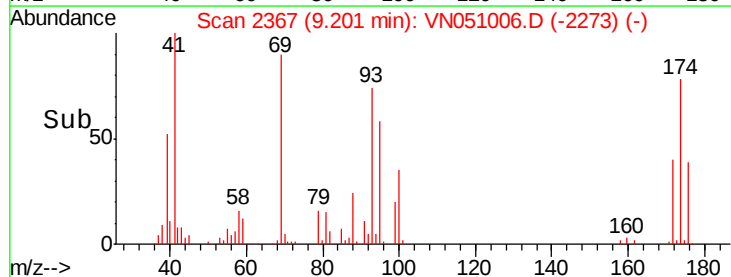
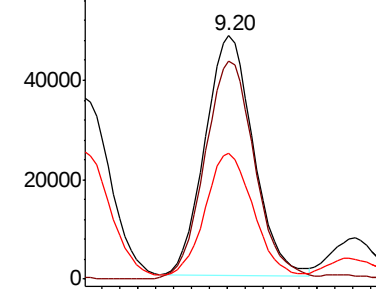


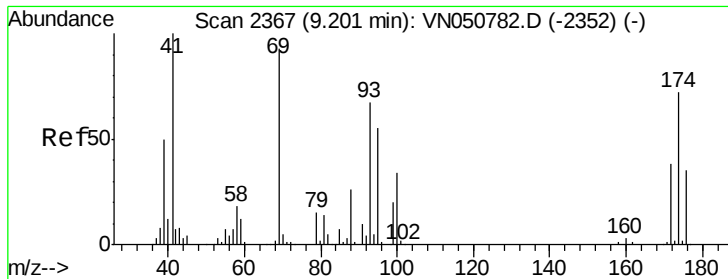
#48
Methyl methacrylate
Concen: 17.75 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	41	Resp	90821
Ion Ratio	100	Lower	Upper
41	100		
69	94.7	74.7	112.1
39	52.3	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





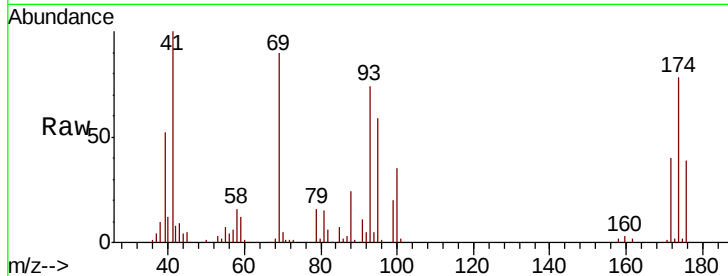
#49
1,4-Dioxane
Concen: 353.50 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.0	25.9	38.9
58	69.9	55.0	82.4

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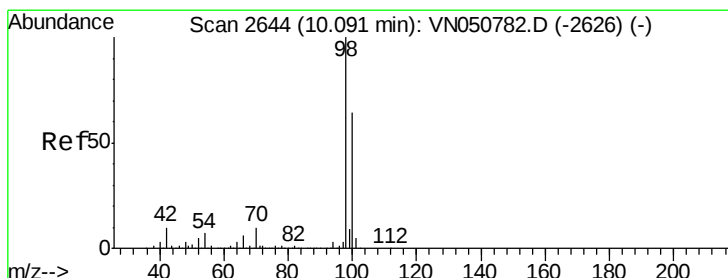
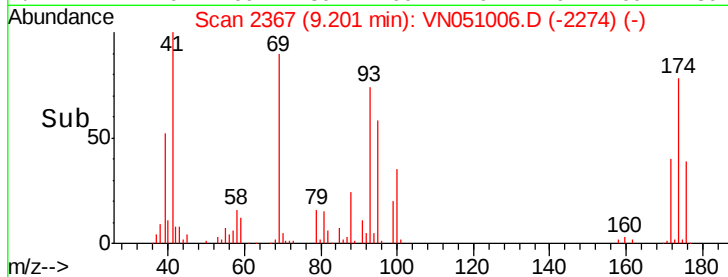
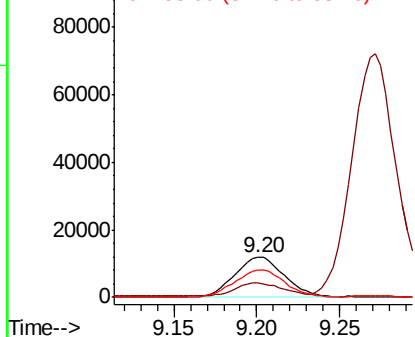


Abundance

Ion 88.00 (87.70 to 88.70): VN051006.D (-2274) (-)

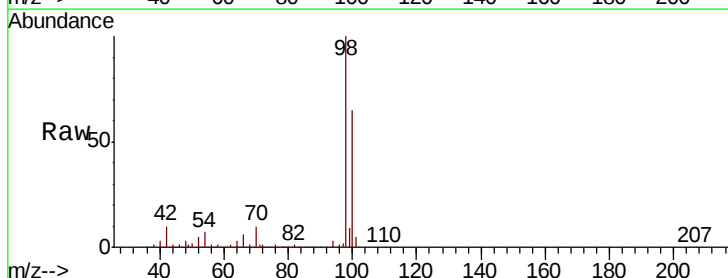
Ion 43.00 (42.70 to 43.70): VN051006.D (-2274) (-)

Ion 58.00 (57.70 to 58.70): VN051006.D (-2274) (-)



#50
Toluene-d8
Concen: 49.84 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

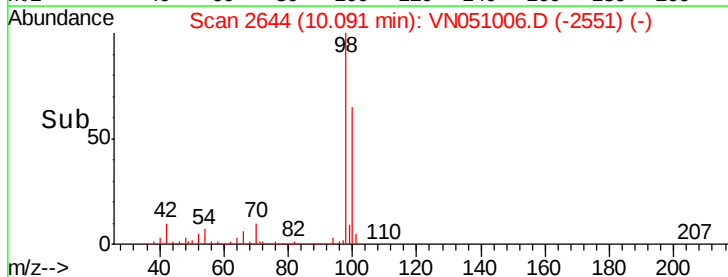
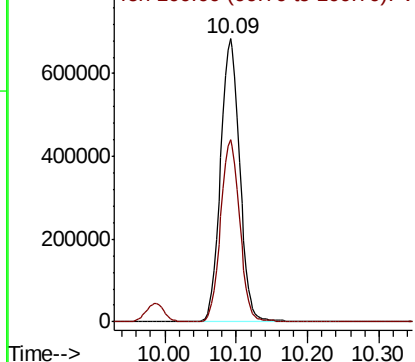
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.5	77.3

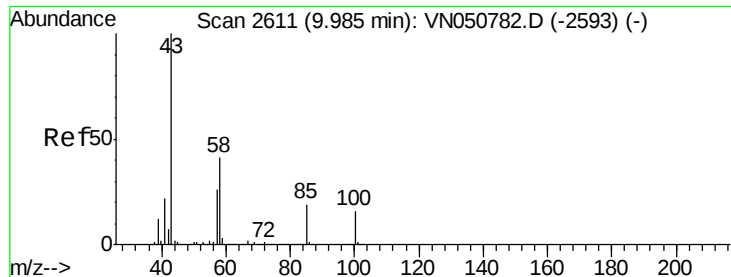


Abundance

Ion 98.00 (97.70 to 98.70): VN051006.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN051006.D (-2551) (-)





#51

4-Methyl-2-Pentanone

Concen: 87.62 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0904WBS01

Tot Ion: 43 Resp: 524938

Ion Ratio Lower Upper

43 100

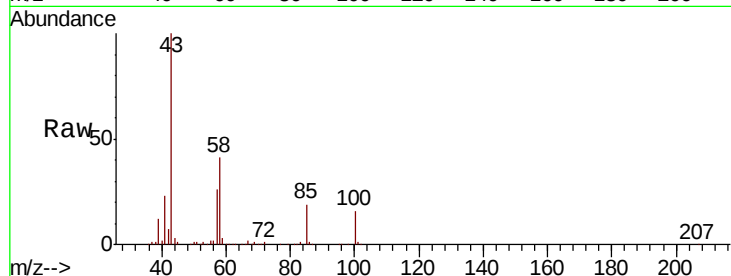
58 40.9 32.4 48.6

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

300000

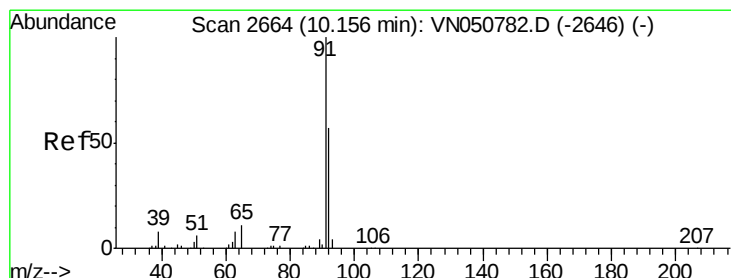
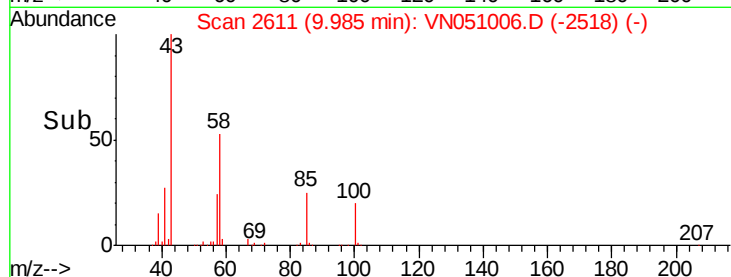
200000

100000

0

9.90 10.00 10.10

Time-->



#52

Toluene

Concen: 19.60 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. 0.00 min

Lab File: VN051006.D

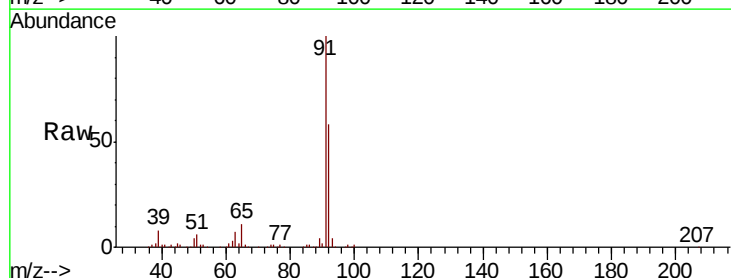
Acq: 4 Sep 2018 9:37

Tgt Ion: 92 Resp: 355892

Ion Ratio Lower Upper

92 100

91 175.3 140.6 211.0



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

400000

300000

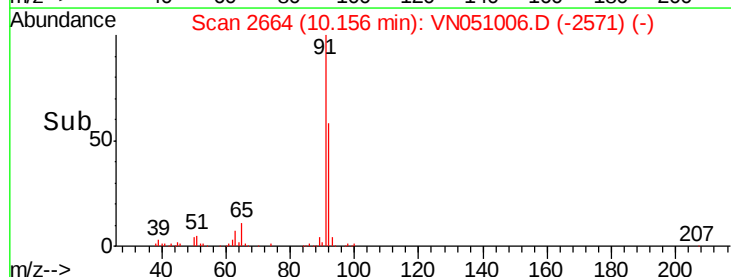
200000

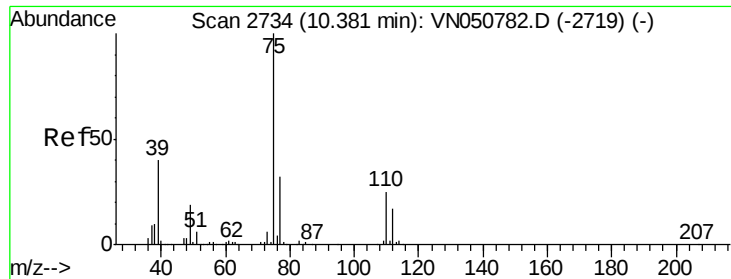
100000

0

10.10 10.20 10.30

Time-->





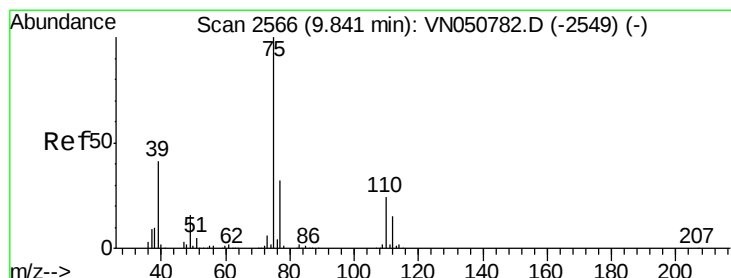
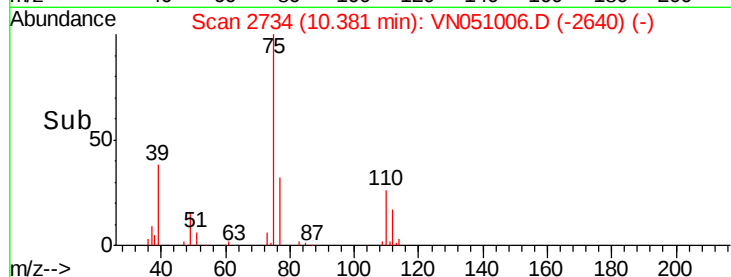
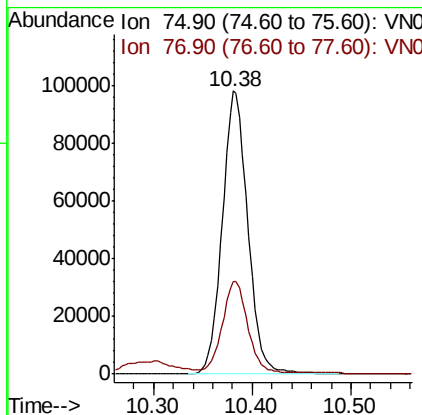
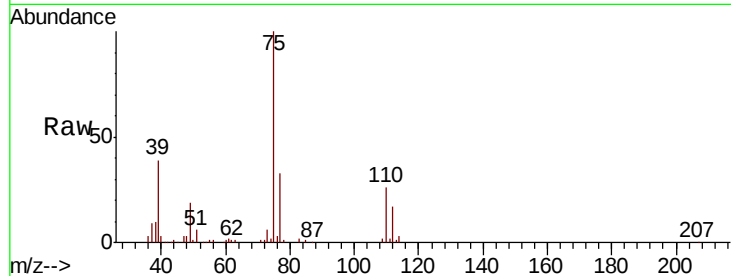
#53
t-1,3-Dichloropropene
Concen: 18.10 ug/l
RT: 10.38 min Scan# 2734
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.2	25.7	38.5

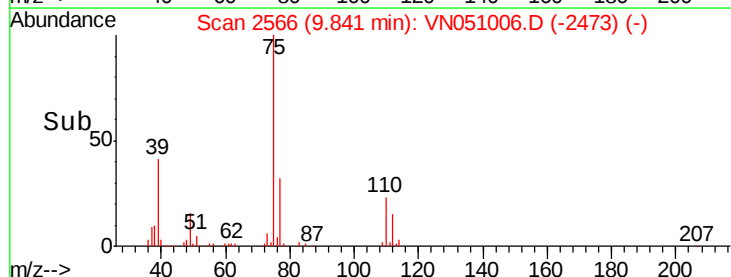
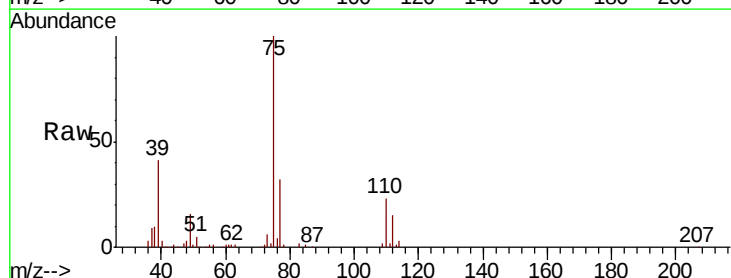
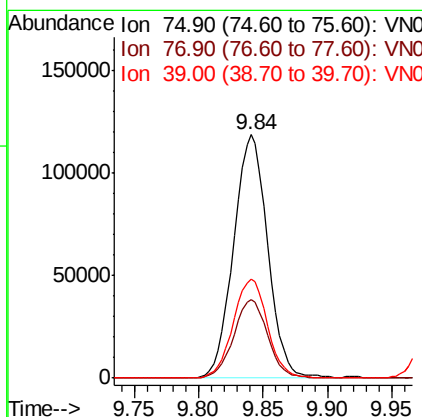
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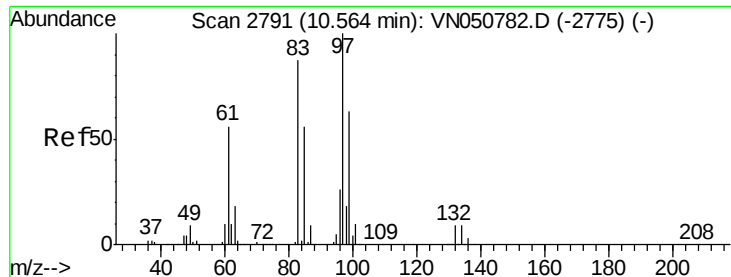
MMDadoda
9/5/2018 12:00:06 PM



#54
cis-1,3-Dichloropropene
Concen: 19.33 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.4	38.2
39	40.5	33.0	49.4





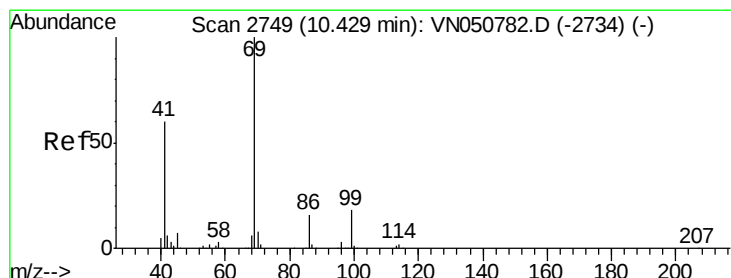
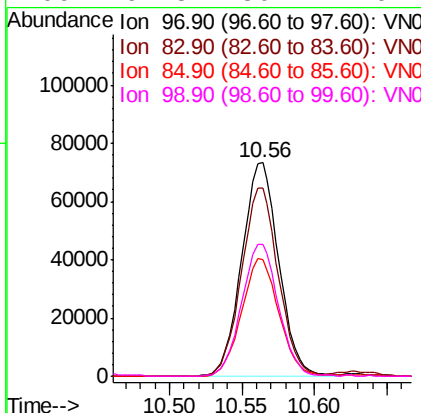
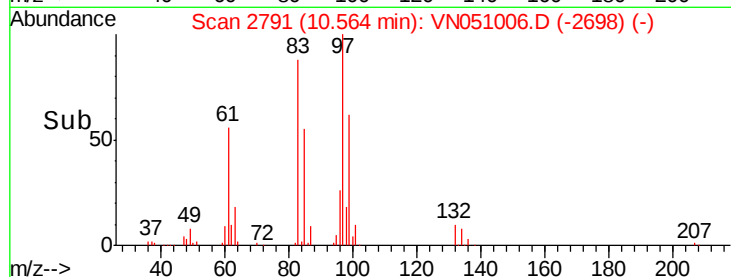
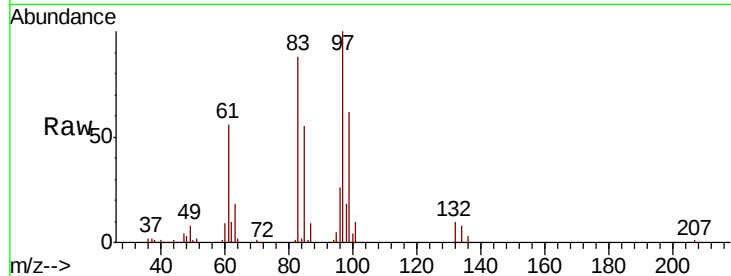
#55
 1,1,2-Trichloroethane
 Concen: 19.34 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	88.3	69.7	104.5
85	54.6	44.5	66.7
99	61.8	50.7	76.1

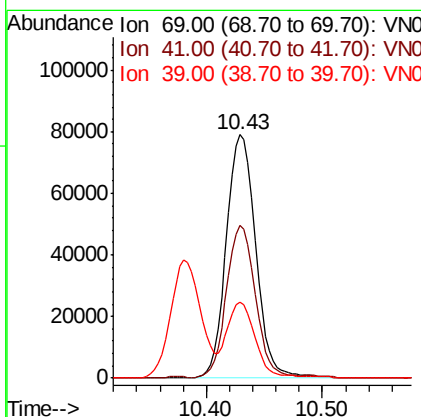
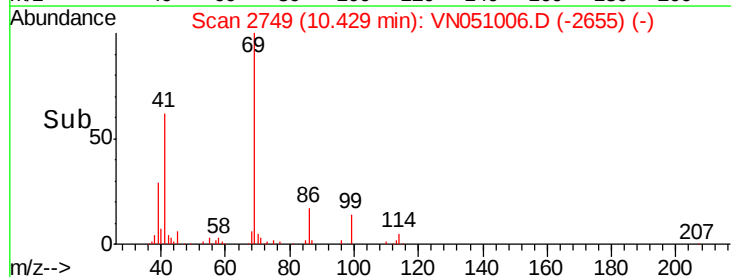
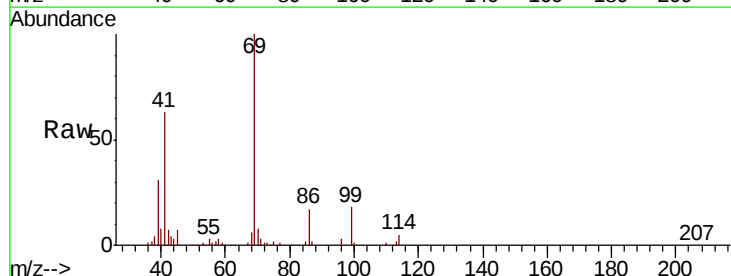
Manual Integrations
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#56
 Ethyl methacrylate
 Concen: 17.51 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
69	100		
41	61.0	48.3	72.5
39	29.6	24.0	36.0





#57

1,3-Dichloropropane

Concen: 19.48 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0904WBS01

Tot Ion: 76 Resp: 216633

Ion Ratio Lower Upper

76 100

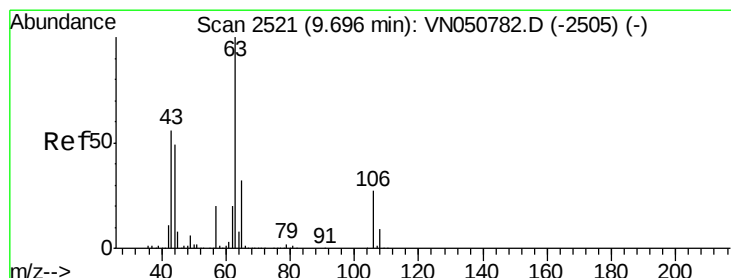
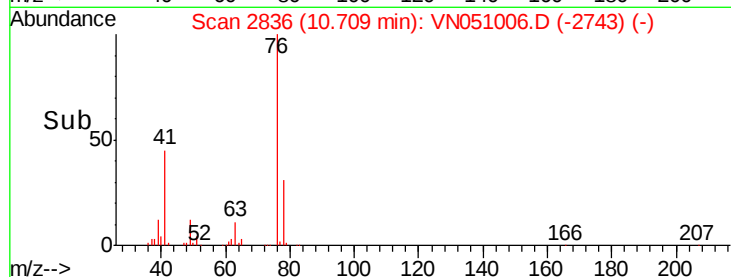
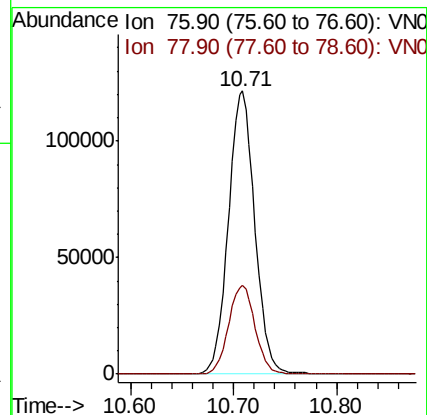
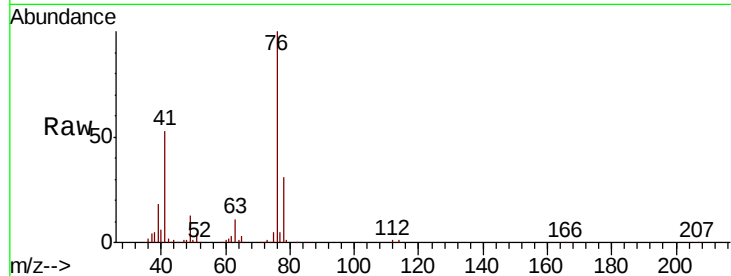
78 31.5 25.5 38.3

Manual Integrations

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9/5/2018 12:00:06 PM



#58

2-Chloroethyl Vinyl ether

Concen: 82.52 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN051006.D

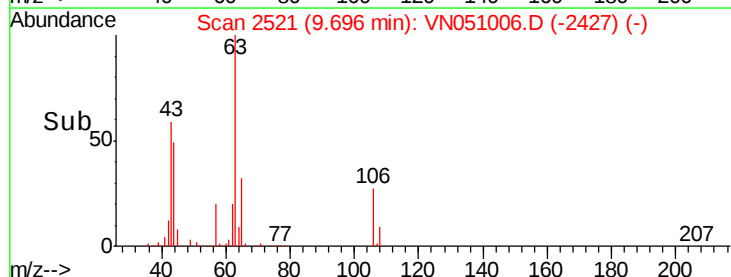
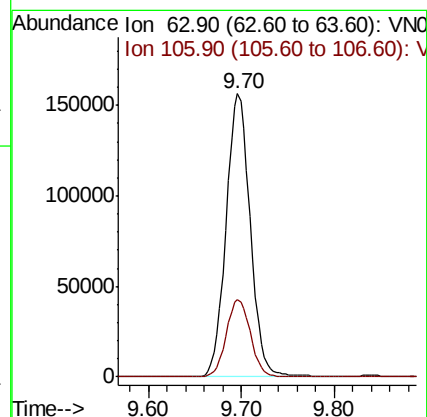
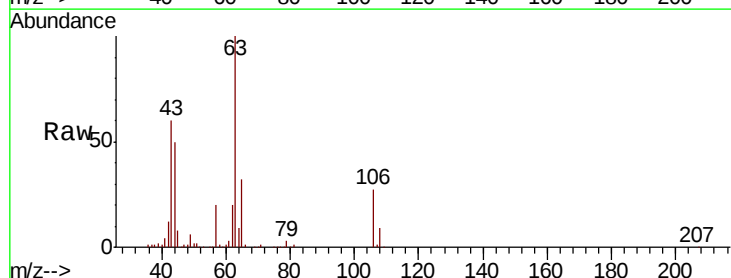
Acq: 4 Sep 2018 9:37

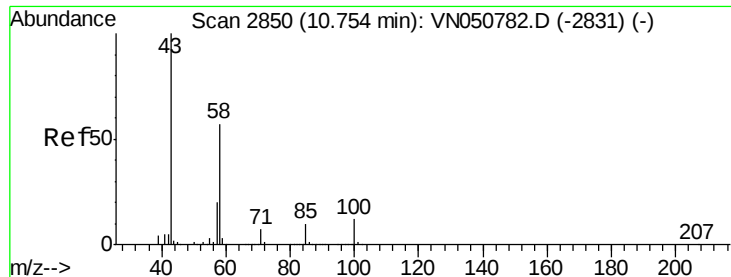
Tgt Ion: 63 Resp: 282740

Ion Ratio Lower Upper

63 100

106 27.3 21.9 32.9





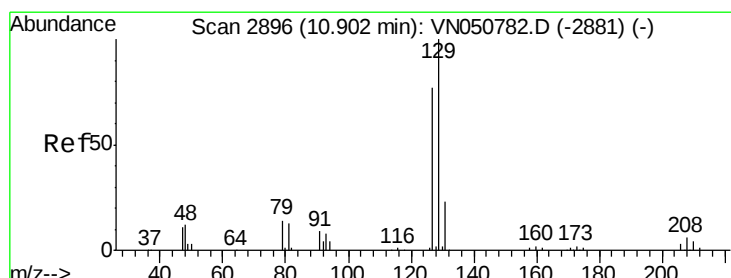
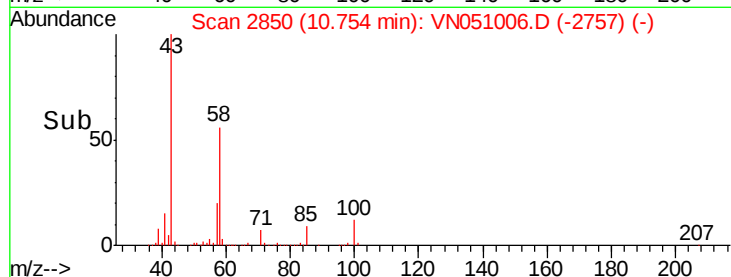
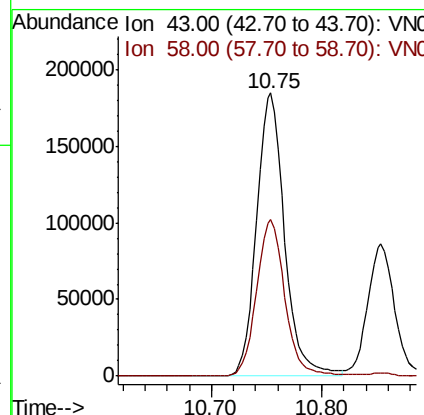
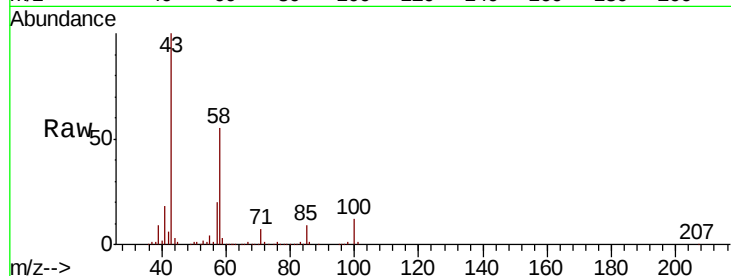
#59
2-Hexanone
Concen: 81.13 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS01

Tot Ion	43	Resp	323569
Ion Ratio	43	100	
Lower	58	56.3	28.3
Upper			85.0

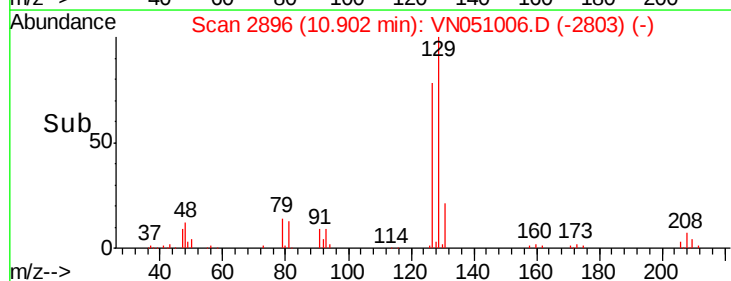
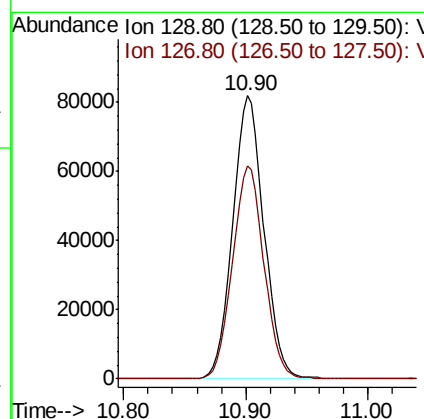
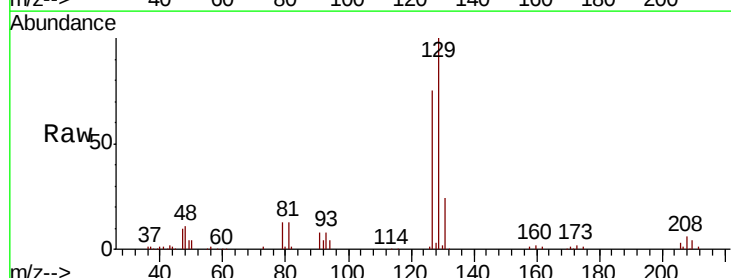
Manual Integrations
APPROVED

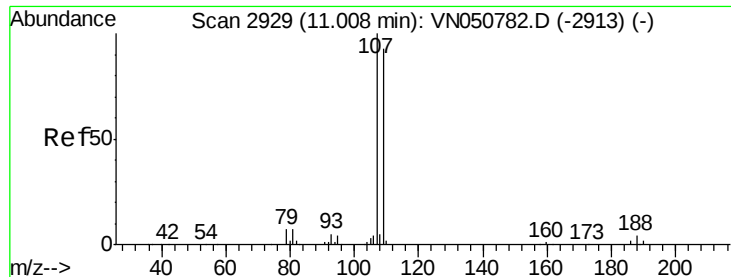
MMDadoda
9/5/2018 12:00:06 PM



#60
Dibromochloromethane
Concen: 19.32 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	129	Resp	145810
Ion Ratio	129	100	
Lower	127	76.0	38.3
Upper			114.9





#61

1,2-Dibromoethane

Concen: 18.57 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampleId :

VN0904WBS01

Tot Ion: 107 Resp: 121043

Ion Ratio Lower Upper

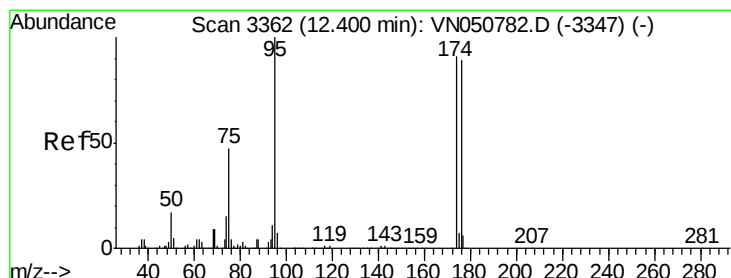
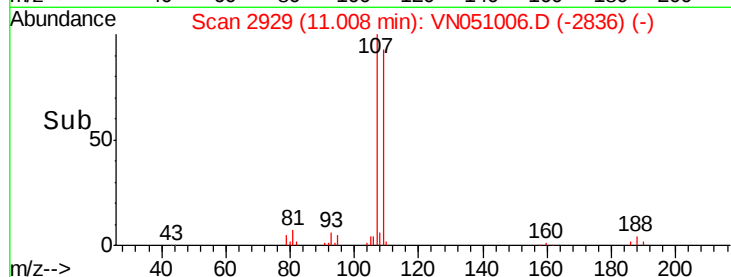
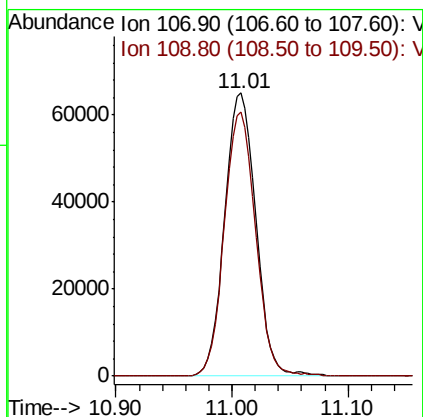
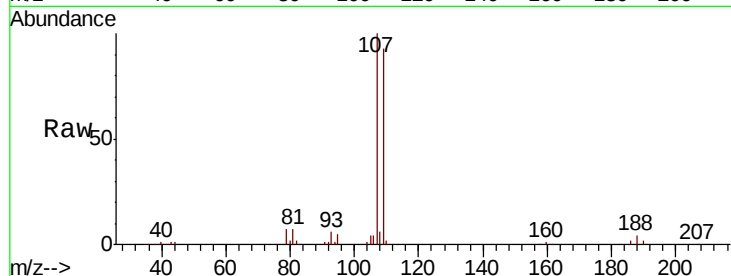
107 100

109 93.5 75.4 113.2

Manual Integrations
APPROVED

MMDadoda

9/5/2018 12:00:06 PM



#62

4-Bromofluorobenzene

Concen: 46.51 ug/l

RT: 12.40 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

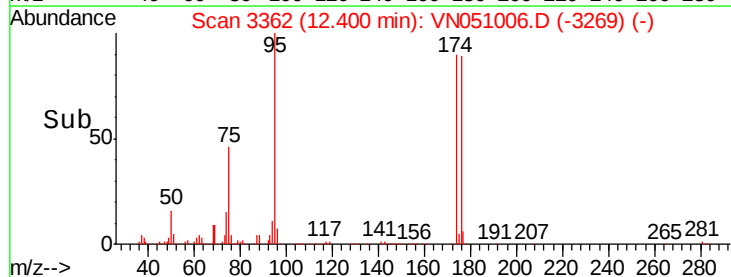
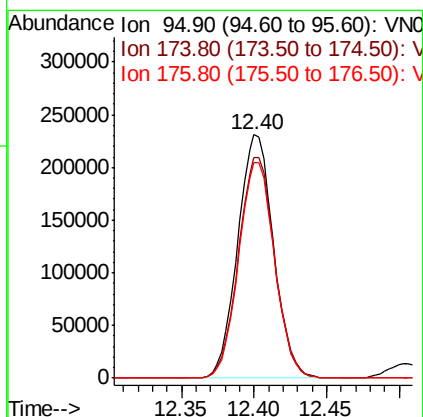
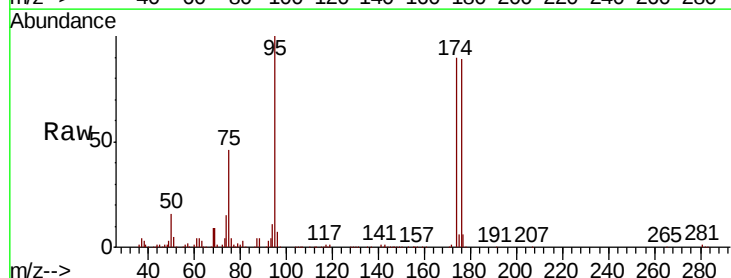
Tgt Ion: 95 Resp: 395958

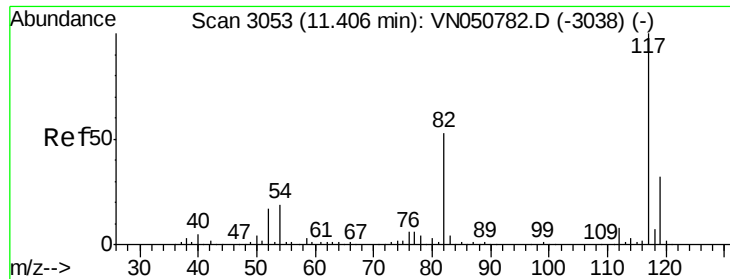
Ion Ratio Lower Upper

95 100

174 91.7 0.0 183.0

176 89.1 0.0 178.8





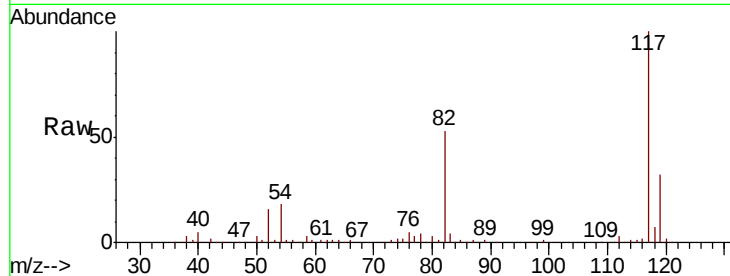
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.6	64.0
119	32.3	25.8	38.6

Manual Integrations
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MMDadoda
9/5/2018 12:00:06 PM

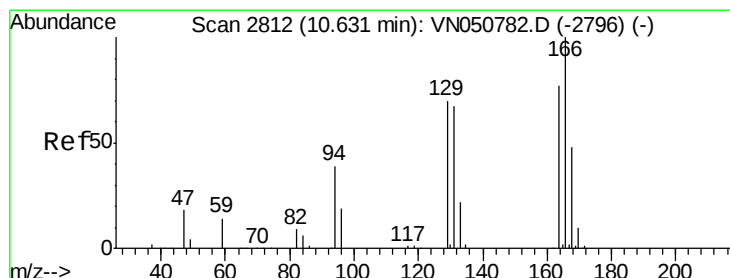
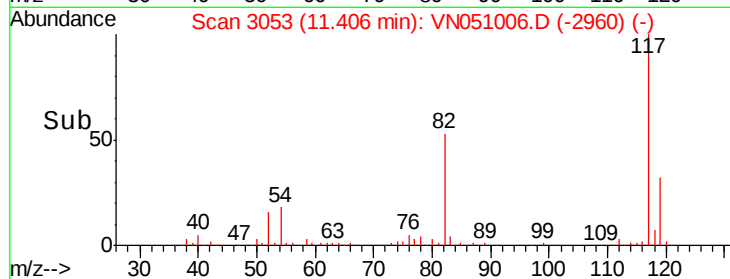
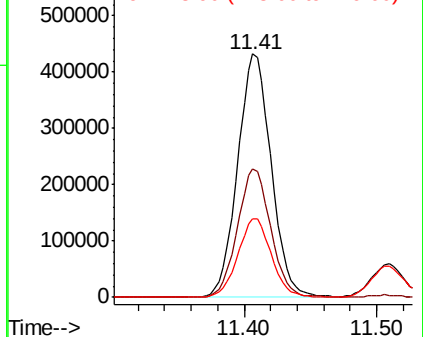


Abundance

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: 19.73 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.5	103.5	155.3
129	87.9	72.7	109.1
131	84.2	69.5	104.3

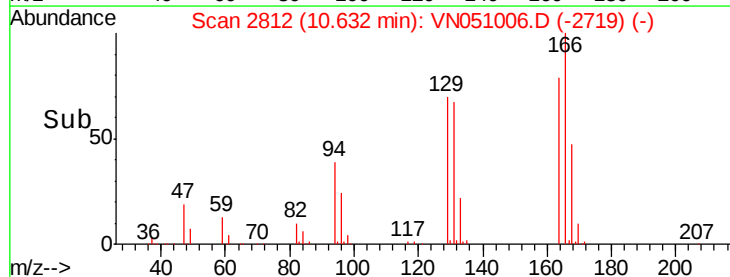
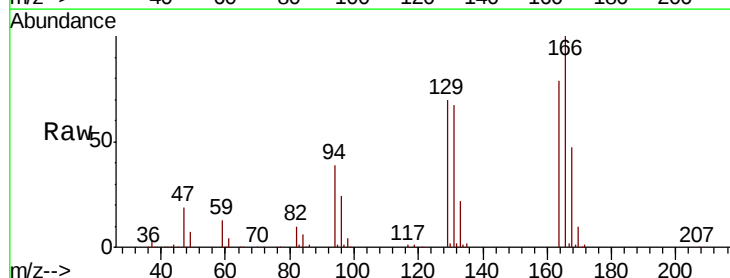
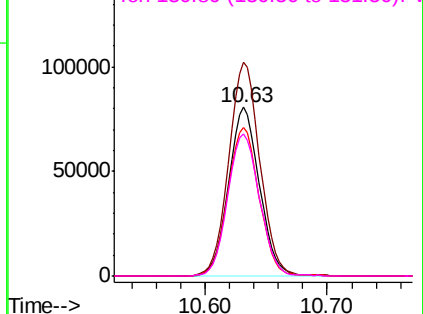
Abundance

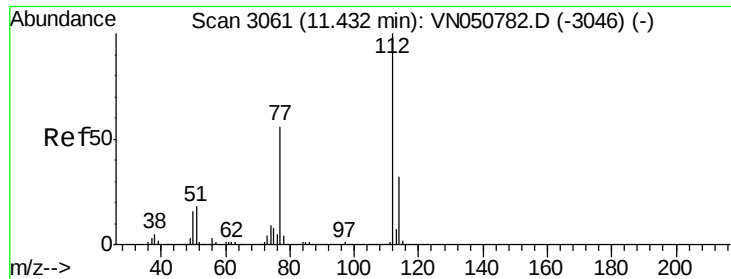
Ion 163.80 (163.50 to 164.50): V

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





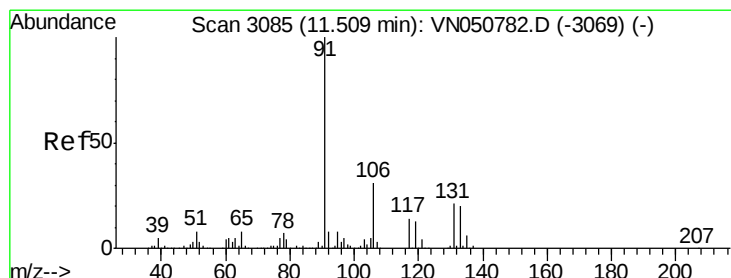
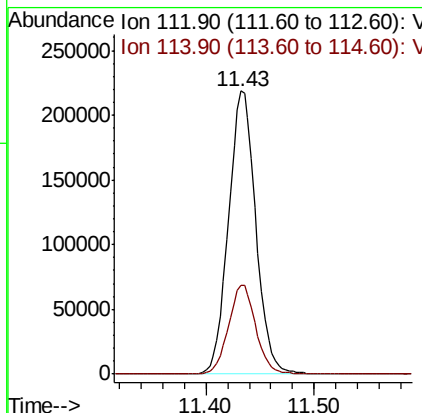
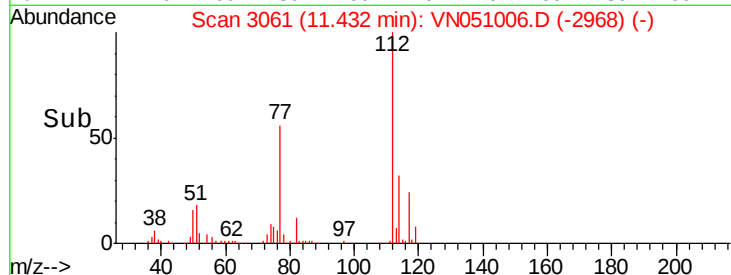
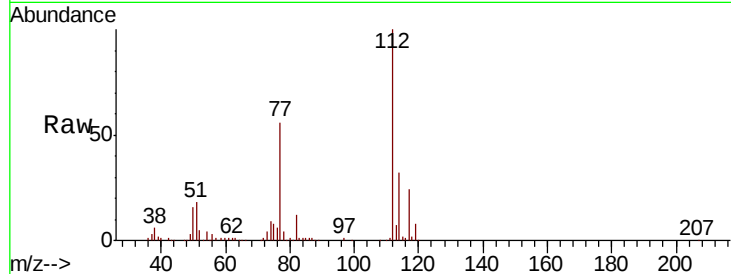
#65
Chlorobenzene
Concen: 19.42 ug/l
RT: 11.43 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion:112 Resp: 385772
Ion Ratio Lower Upper
112 100
114 31.6 25.6 38.4

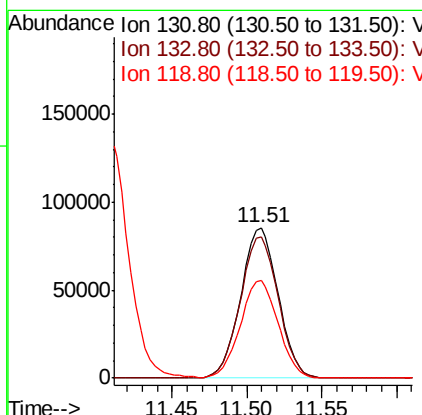
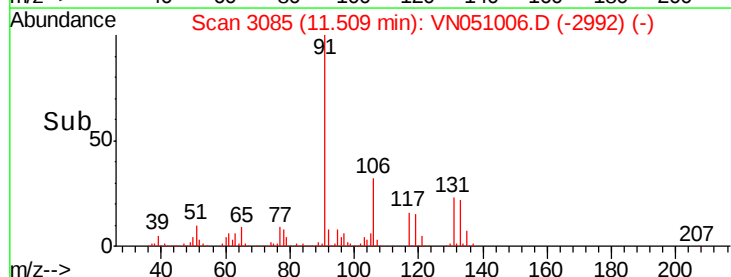
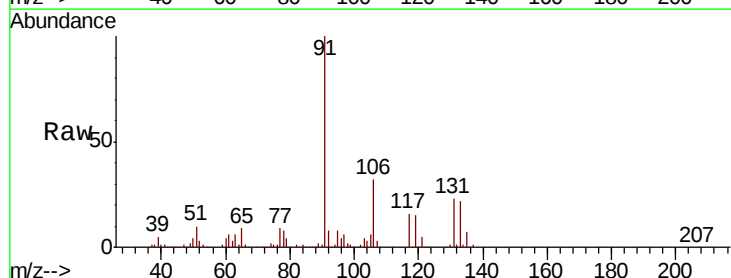
Manual Integrations
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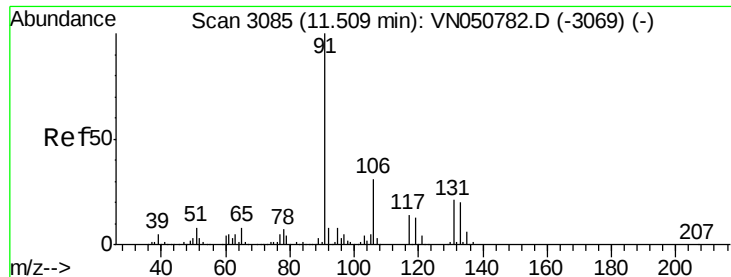
MMDadoda
9/5/2018 12:00:06 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.42 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion:131 Resp: 148453
Ion Ratio Lower Upper
131 100
133 95.9 47.4 142.3
119 65.9 32.8 98.4





#67

Ethyl Benzene

Concen: 19.23 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0904WBS01

Tot Ion: 91 Resp: 621191

Ion Ratio Lower Upper

91 100

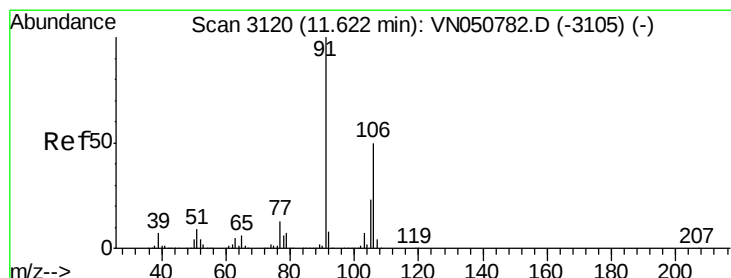
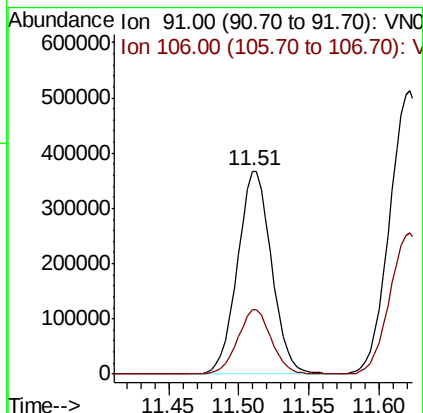
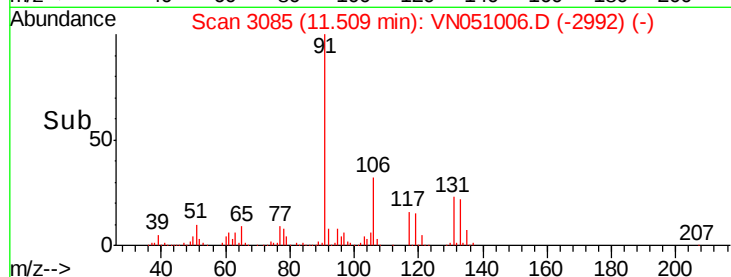
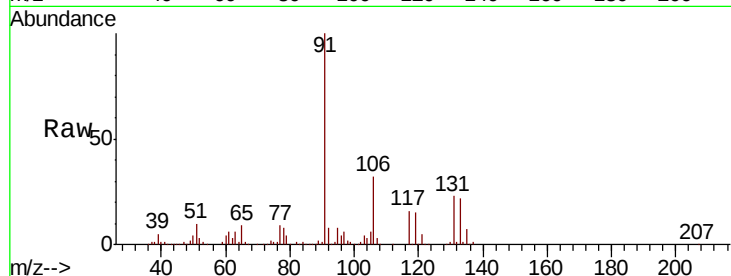
106 32.0 25.0 37.4

Manual Integrations

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MMDadoda

9/5/2018 12:00:06 PM



#68

m/p-Xylenes

Concen: 39.93 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN051006.D

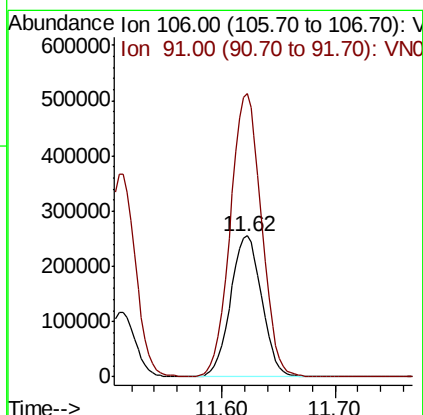
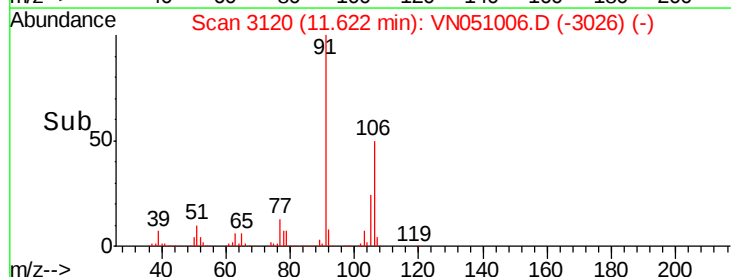
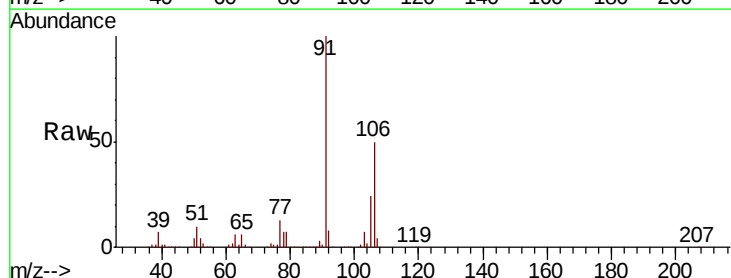
Acq: 4 Sep 2018 9:37

Tgt Ion: 106 Resp: 489564

Ion Ratio Lower Upper

106 100

91 200.1 161.0 241.6





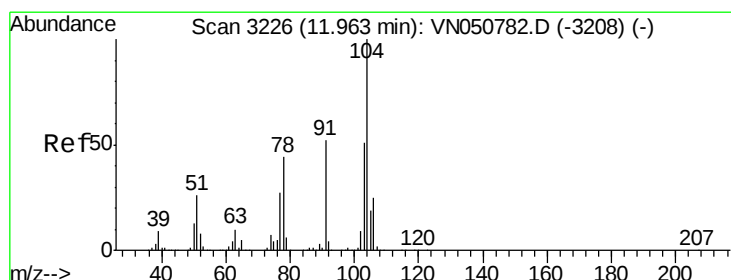
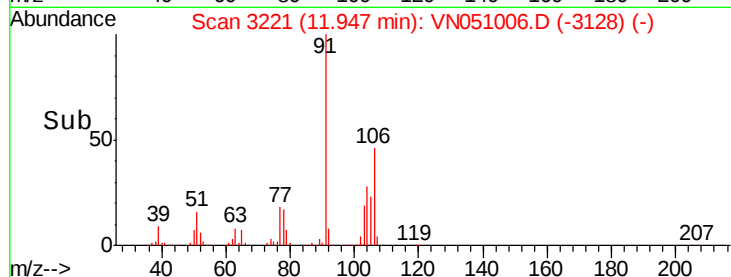
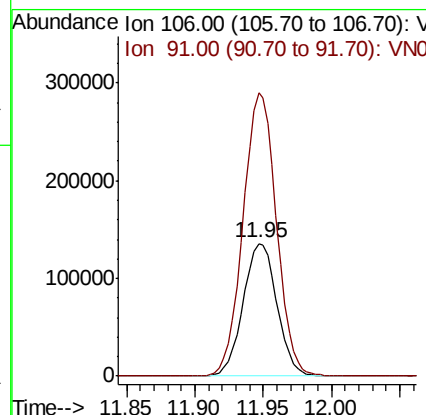
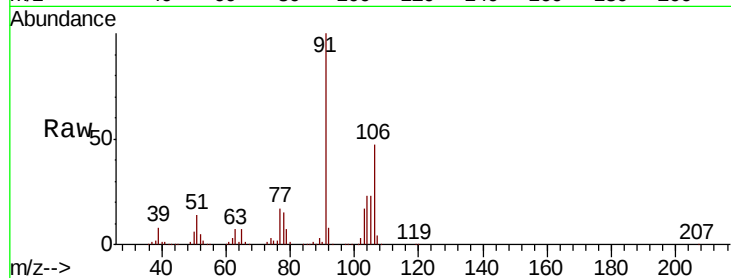
#69
o-Xylene
Concen: 19.78 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	211.3	106.5	319.5

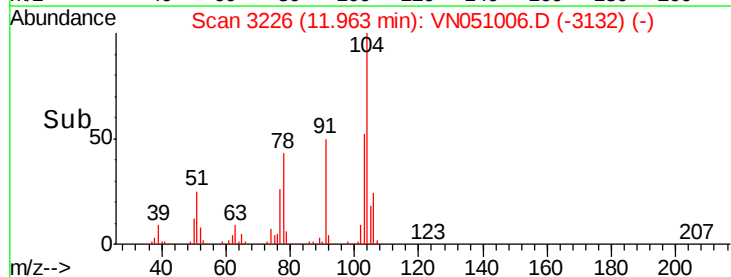
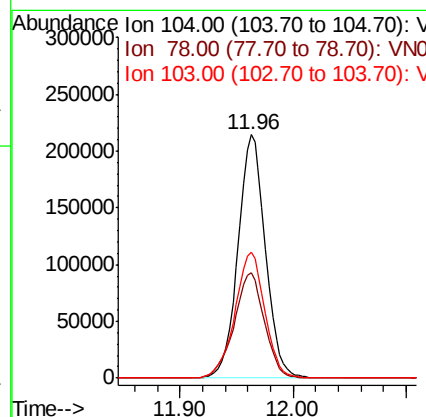
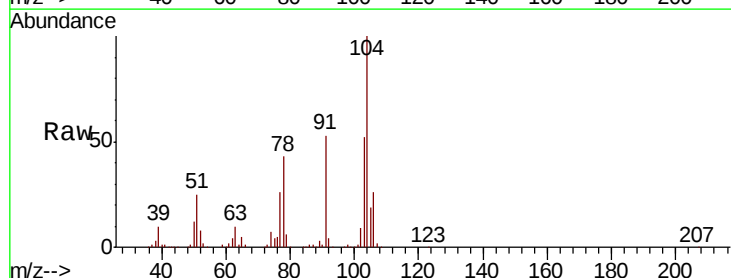
Manual Integrations
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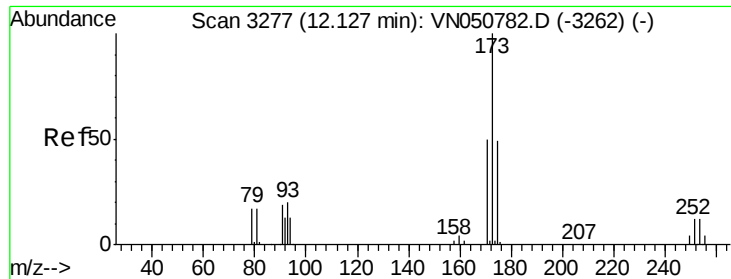
MMDadoda
9/5/2018 12:00:06 PM



#70
Styrene
Concen: 18.21 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	38.2	57.4
103	56.5	44.4	66.6





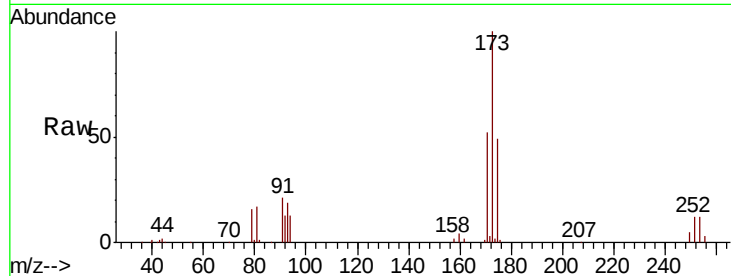
#71
Bromoform
Concen: 19.07 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampleId :
VN0904WBS01

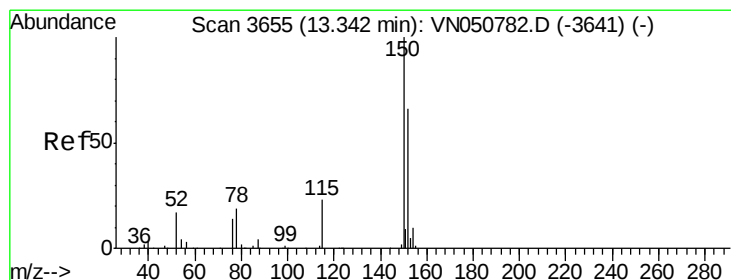
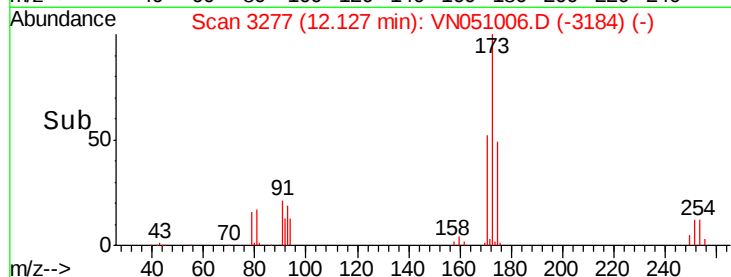
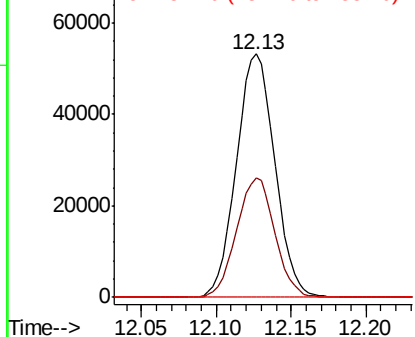
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.0	0.1	0.1#

Manual Integrations
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9/5/2018 12:00:06 PM

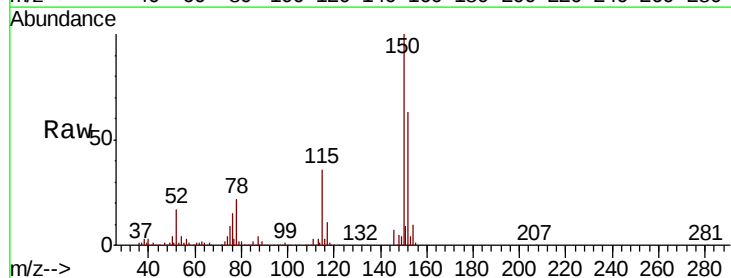


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

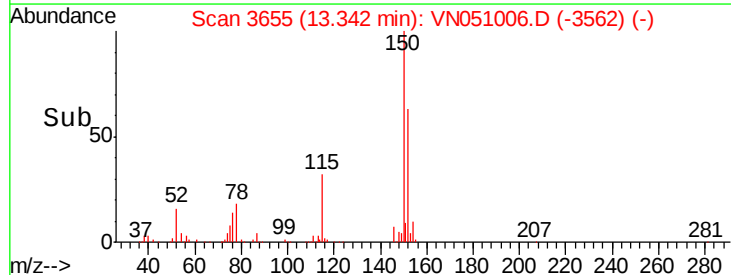
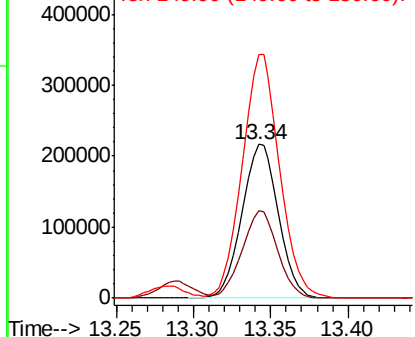


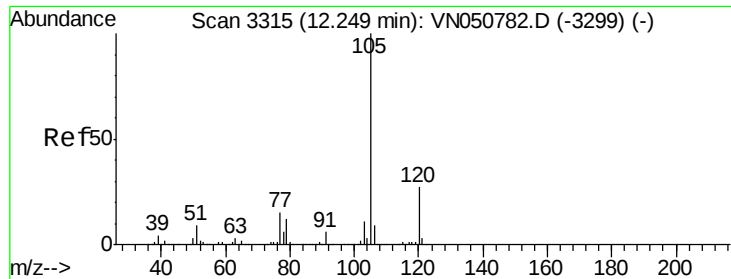
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3655
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	162.9	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





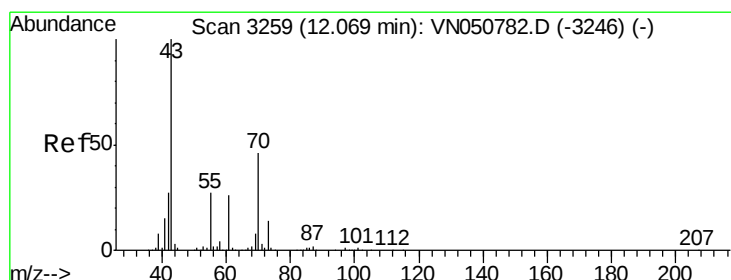
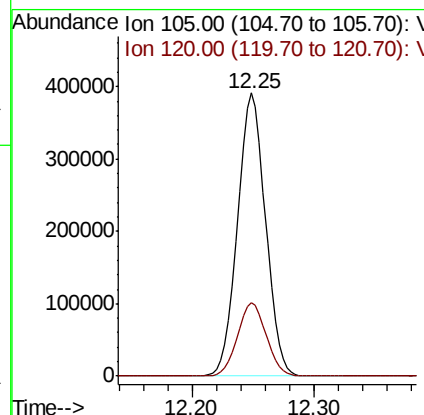
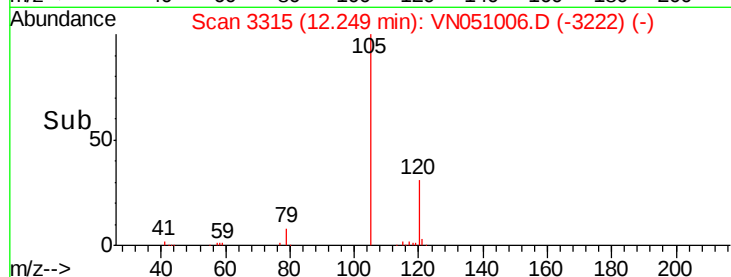
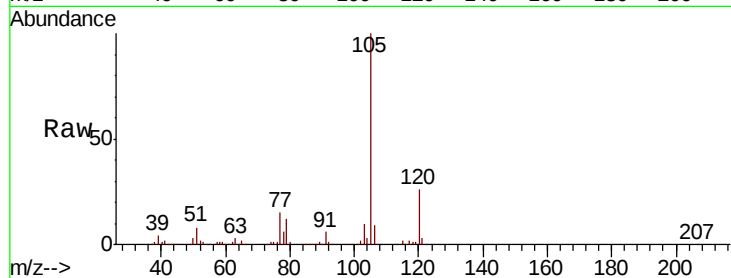
#73
Isopropylbenzene
Concen: 21.21 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

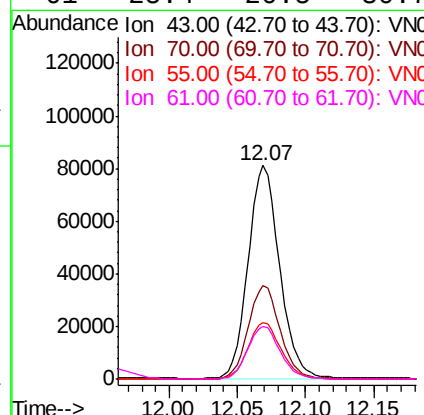
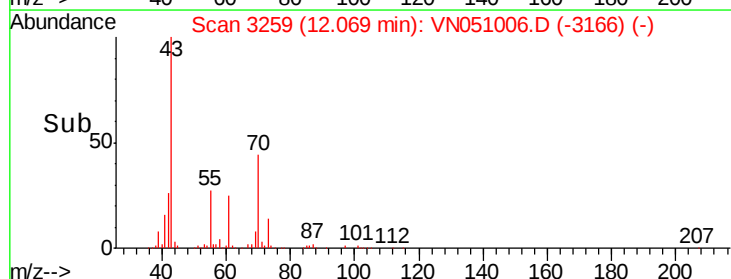
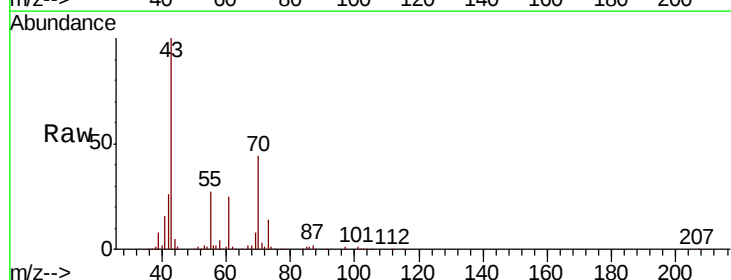
Manual Integrations
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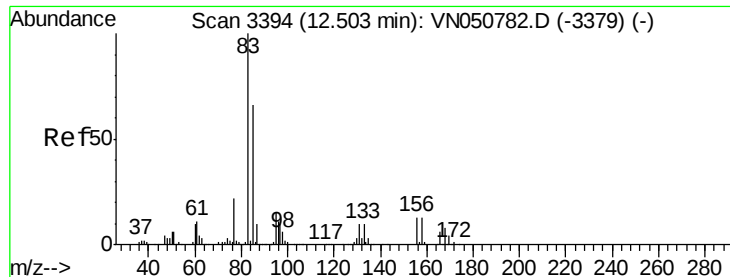
MMDadoda
9/5/2018 12:00:06 PM



#74
N-ethyl acetate
Concen: 17.61 ug/l
RT: 12.07 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
43	100		
70	44.4	36.2	54.2
55	27.9	21.8	32.8
61	25.4	20.5	30.7





#75

1,1,2,2-Tetrachloroethane

Concen: 20.75 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

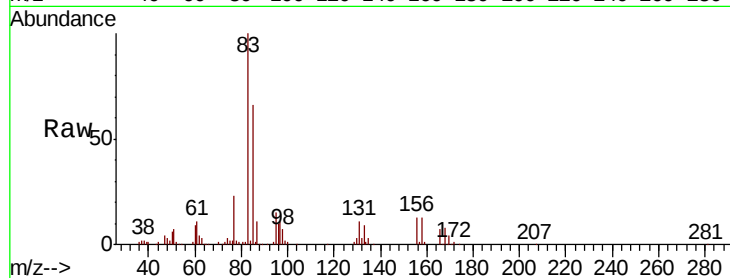
ClientSampled :

VN0904WBS01

Tot Ion:	83	Resp:	152013
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.6	31.9	95.7

Manual Integrations
APPROVED

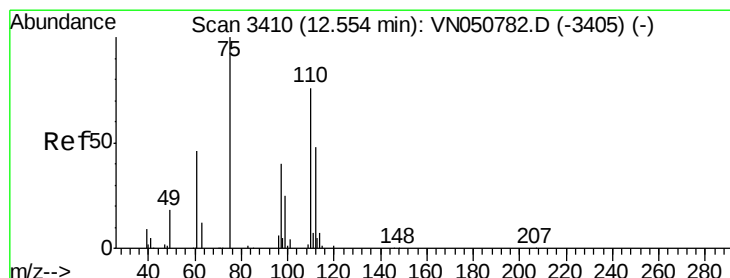
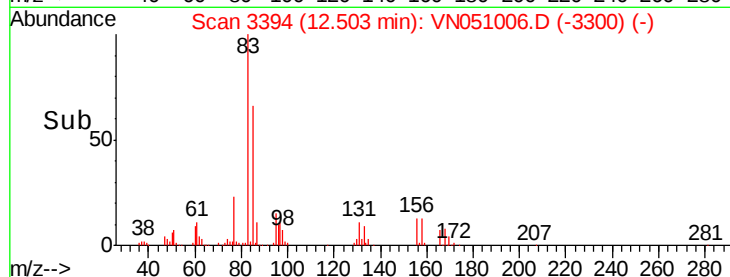
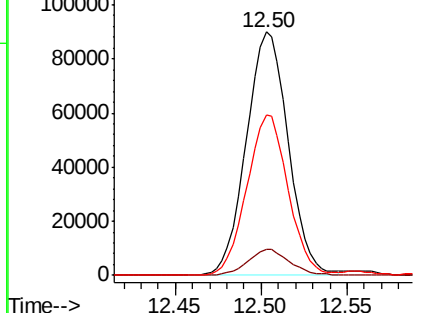
MMDadoda
9/5/2018 12:00:06 PM



Abundance Ion 82.90 (82.60 to 83.60): VN051006.D (-3300) (-)

Ion 130.80 (130.50 to 131.50): VN051006.D (-3300) (-)

Ion 84.90 (84.60 to 85.60): VN051006.D (-3300) (-)



#76

1,2,3-Trichloropropane

Concen: 19.36 ug/l m

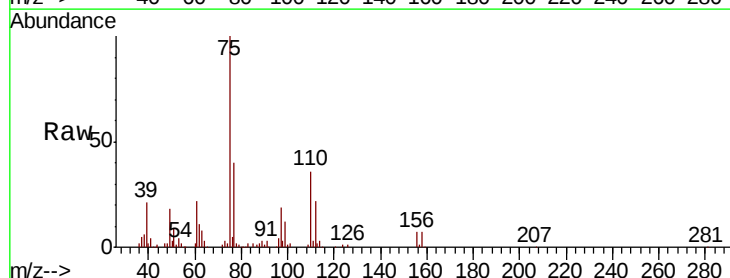
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN051006.D

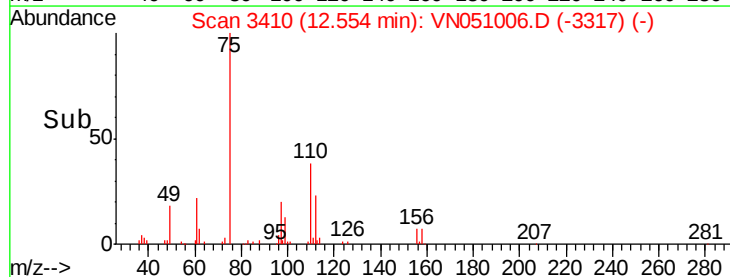
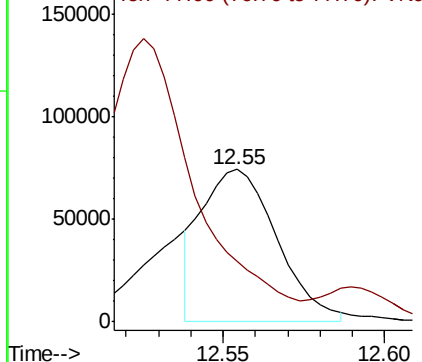
Acq: 4 Sep 2018 9:37

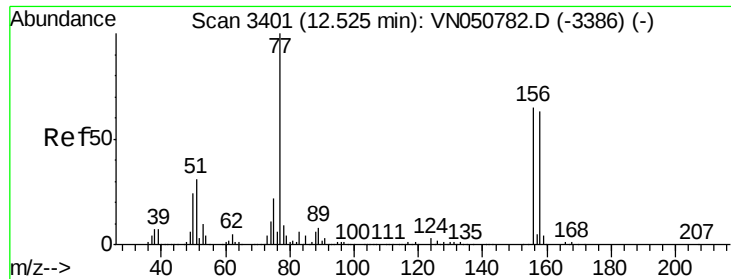
Tgt Ion:	75	Resp:	120294
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051006.D (-3317) (-)

Ion 77.00 (76.70 to 77.70): VN051006.D (-3317) (-)





#77

Bromobenzene

Concen: 19.91 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

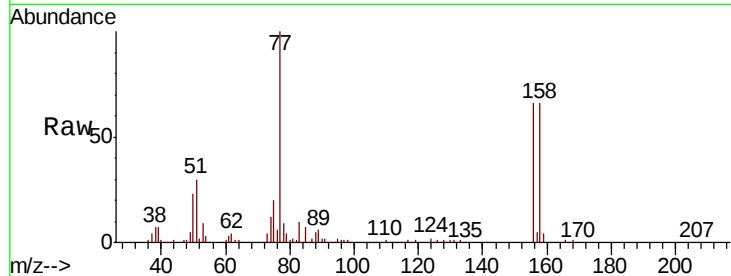
ClientSampled :

VN0904WBS01

Tot Ion:	156	Resp:	158981
Ion Ratio	Lower	Upper	
156	100		
77	174.9	89.9	269.7
158	98.3	49.3	147.9

Manual Integrations
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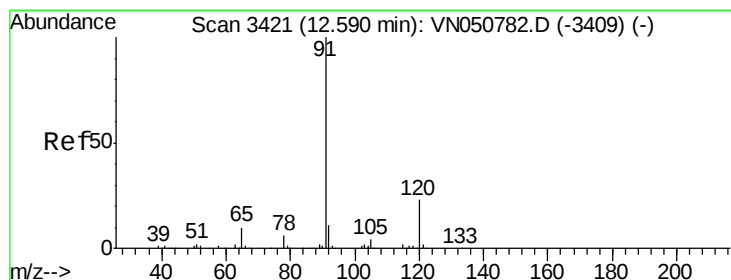
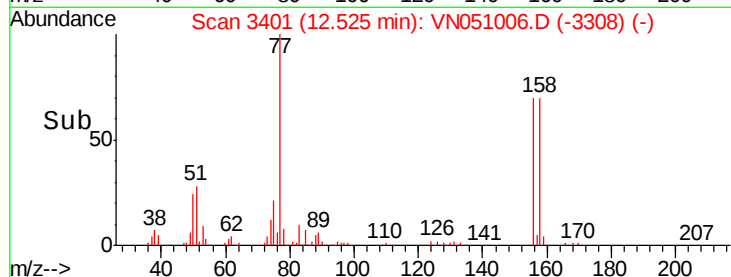
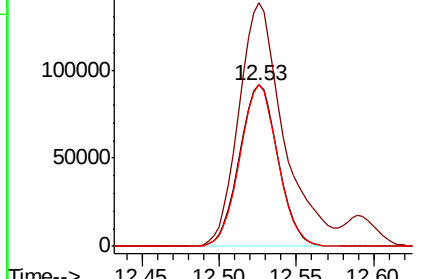
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9/5/2018 12:00:06 PM



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: 20.76 ug/l

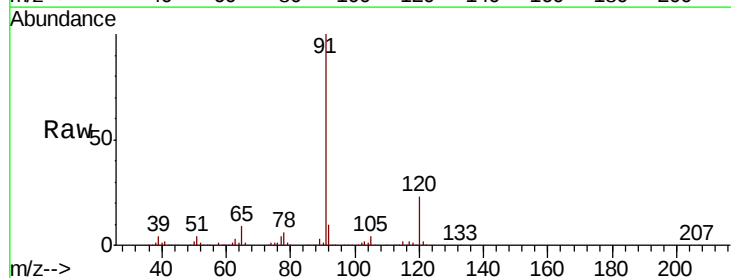
RT: 12.59 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051006.D

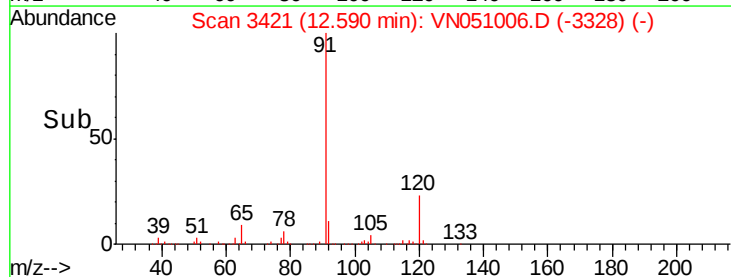
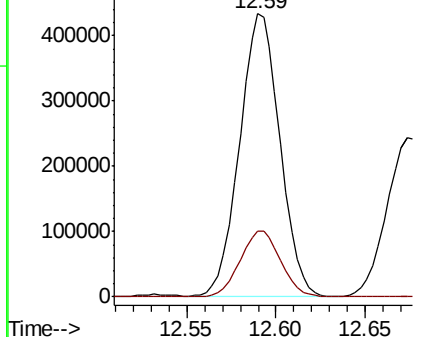
Acq: 4 Sep 2018 9:37

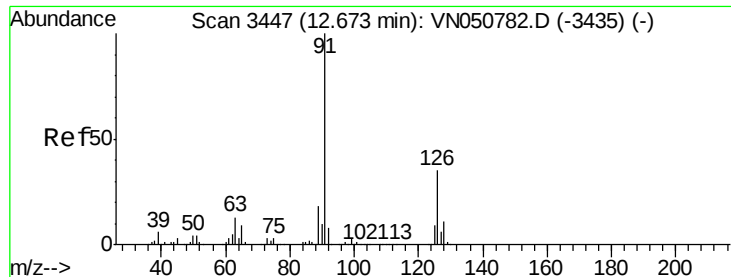
Tgt Ion:	91	Resp:	681137
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.34 ug/l

RT: 12.67 min Scan# 3447

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

ClientSampled :

VN0904WBS01

Tot Ion: 91 Resp: 415758

Ion Ratio Lower Upper

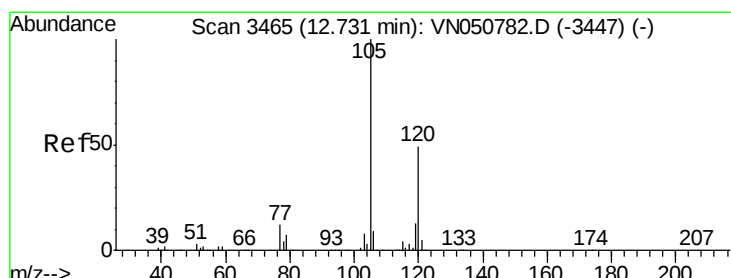
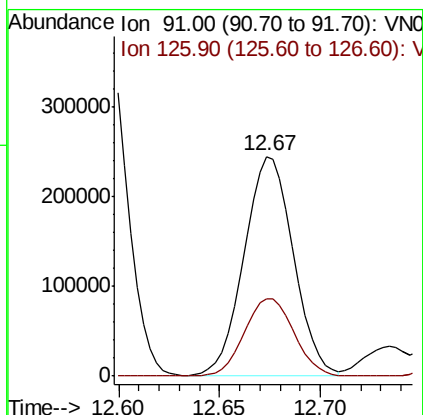
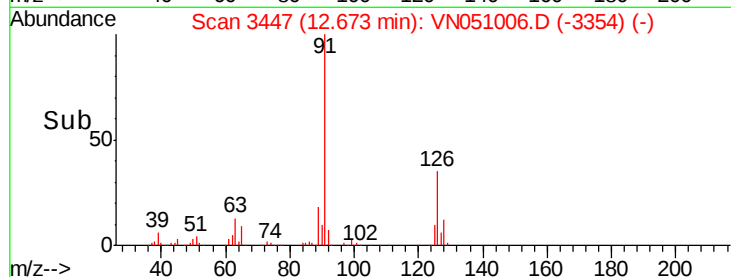
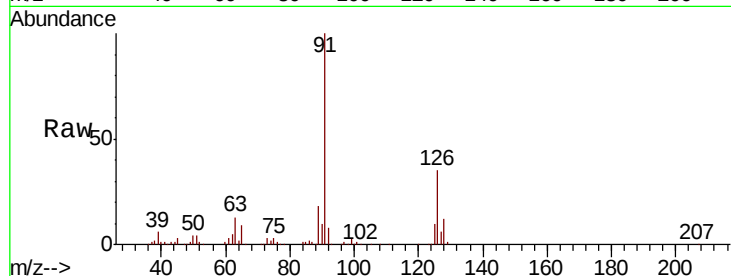
91 100

126 36.0 17.8 53.3

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#80

1,3,5-Trimethylbenzene

Concen: 21.43 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN051006.D

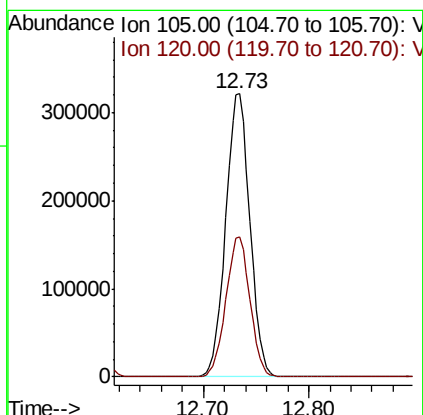
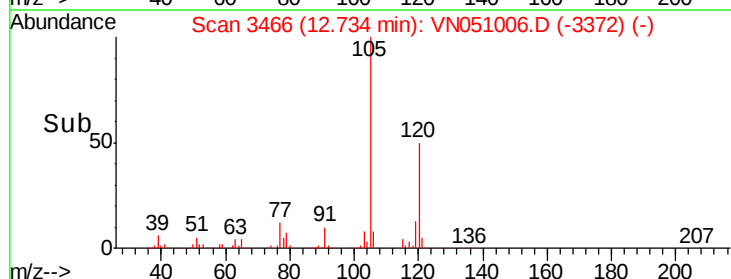
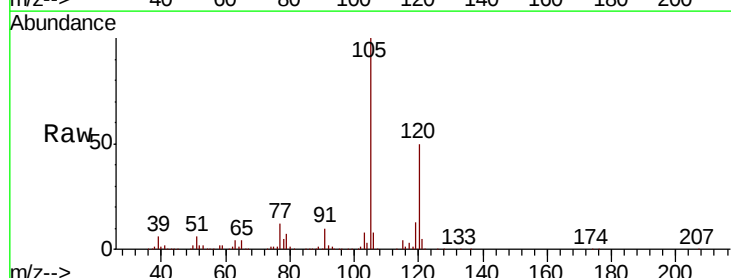
Acq: 4 Sep 2018 9:37

Tgt Ion: 105 Resp: 507948

Ion Ratio Lower Upper

105 100

120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 17.80 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

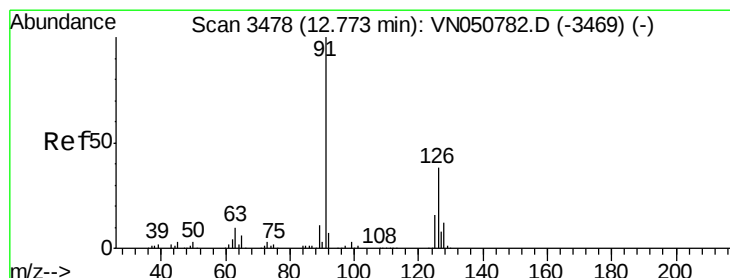
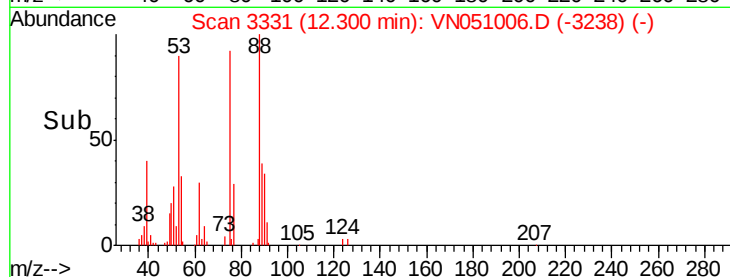
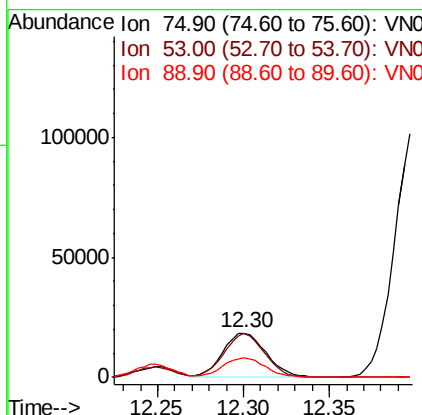
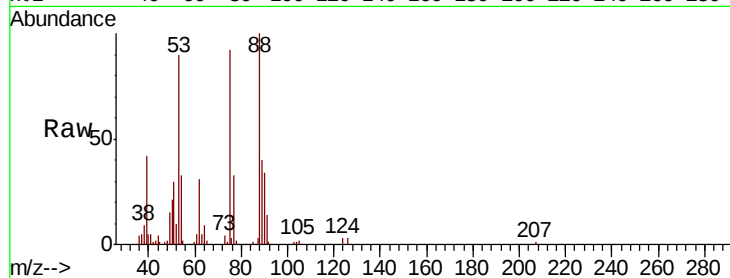
ClientSampled :

VN0904WBS01

Tot Ion:	75	Resp:	32720
Ion	Ratio	Lower	Upper
75	100		
53	93.1	68.9	103.3
89	42.8	36.1	54.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.15 ug/l

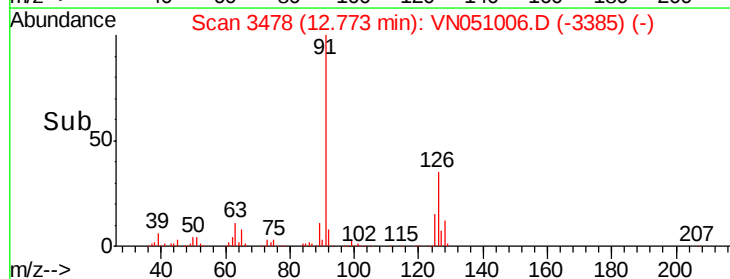
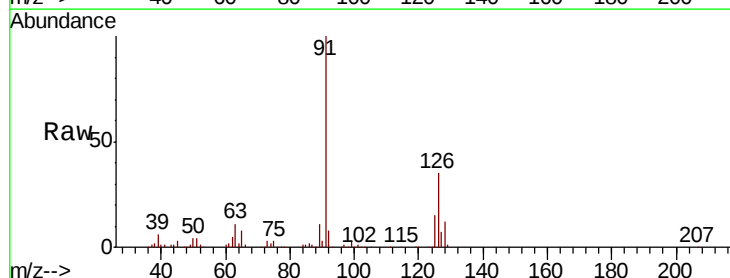
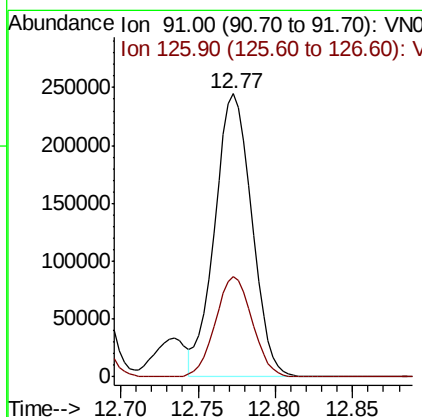
RT: 12.77 min Scan# 3478

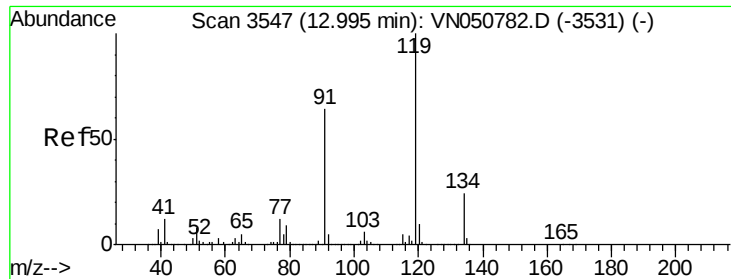
Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Tgt Ion:	91	Resp:	406531
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.5





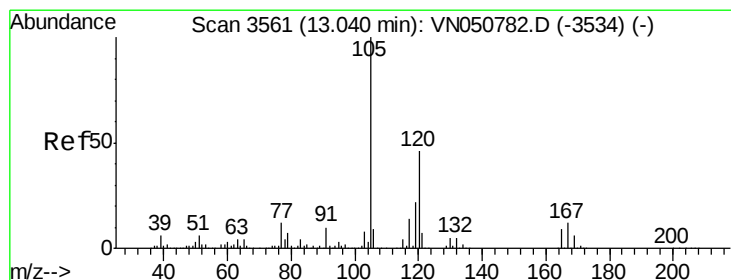
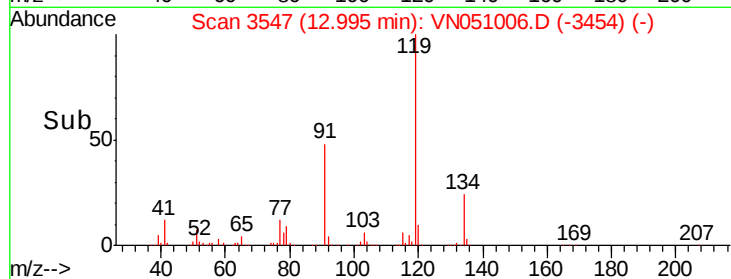
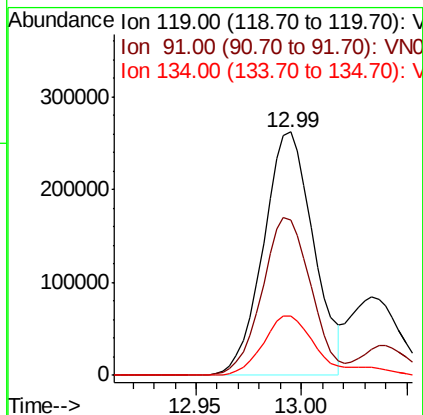
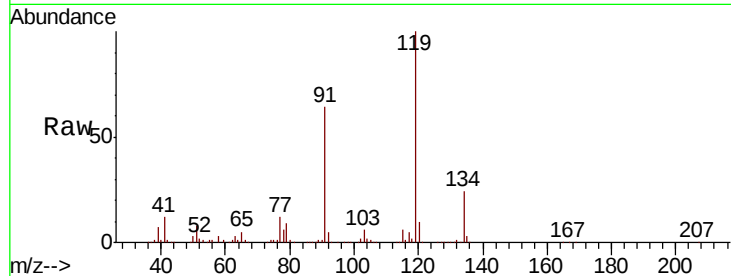
#83
tert-Butylbenzene
Concen: 21.08 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	432626		
91	63.4		31.6	94.7
134	24.9		13.4	40.1

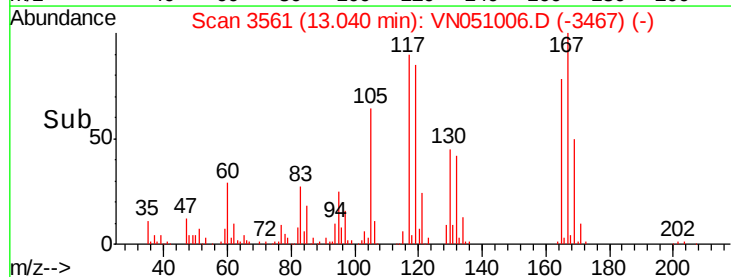
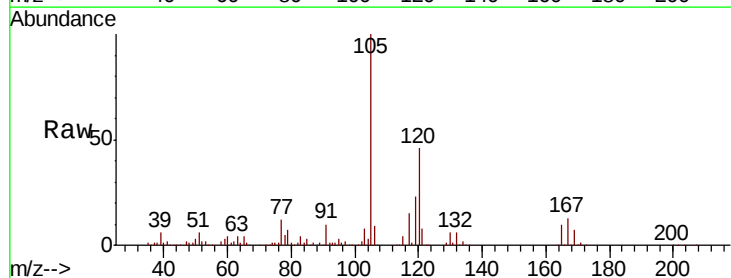
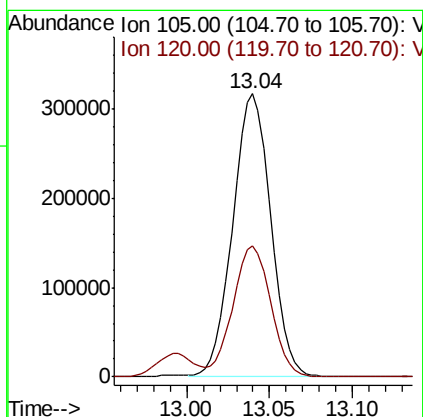
Manual Integrations
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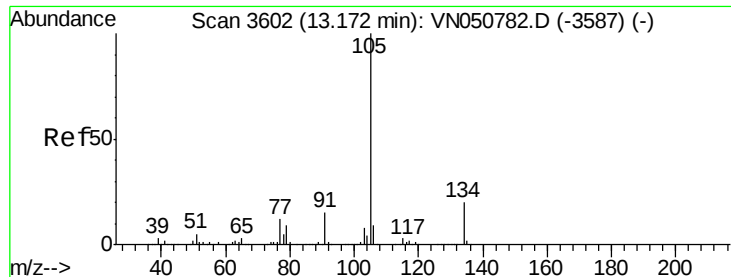
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.11 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	503279		
120	46.5		22.9	68.8





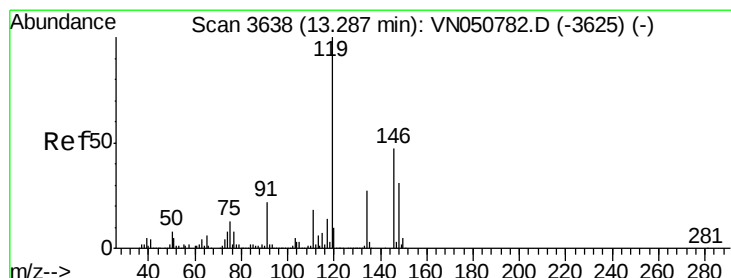
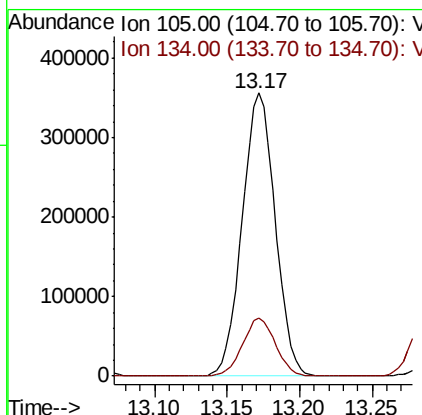
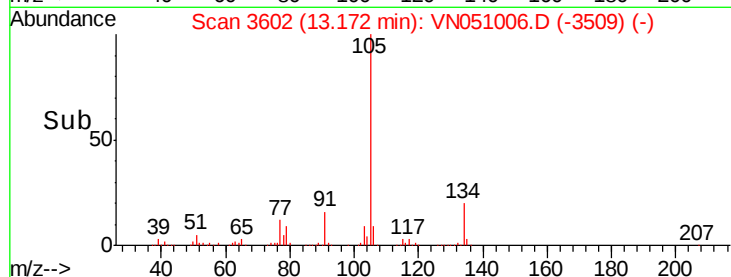
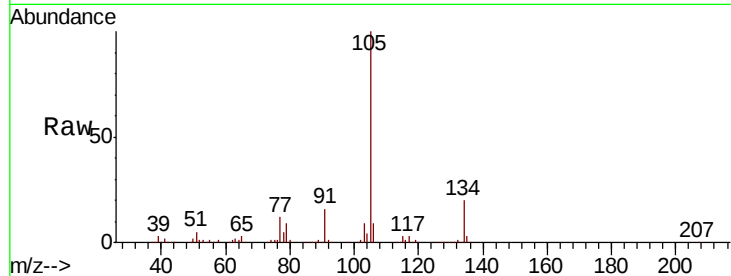
#85
 sec-Butylbenzene
 Concen: 20.91 ug/l
 RT: 13.17 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0904WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.3	30.8

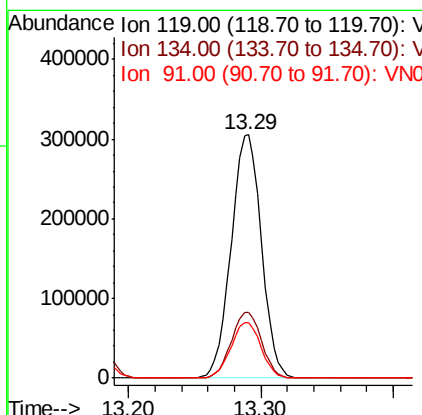
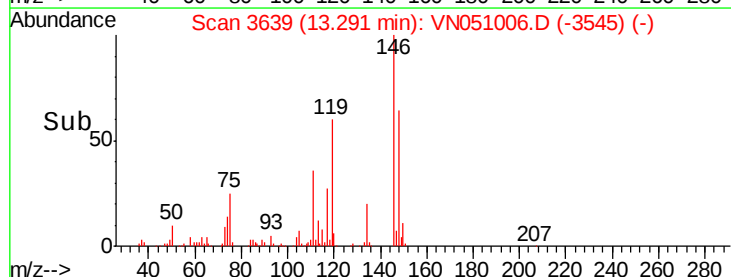
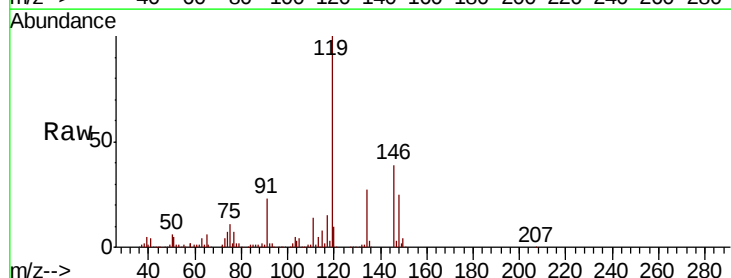
Manual Integrations
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#86
 p-Isopropyltoluene
 Concen: 21.05 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	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# 3636

Delta R.T. -0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

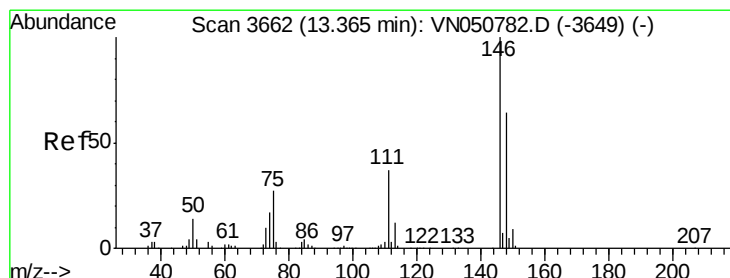
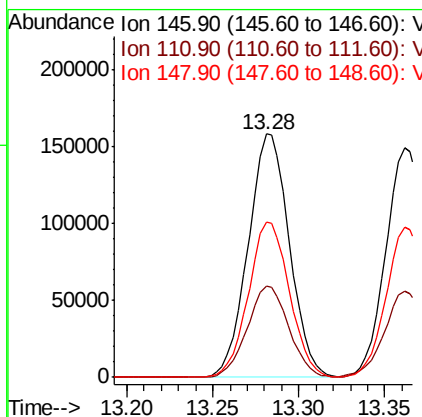
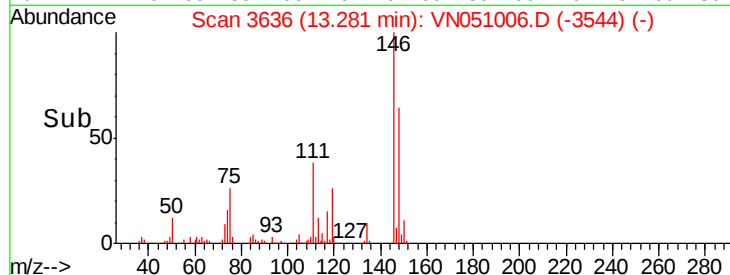
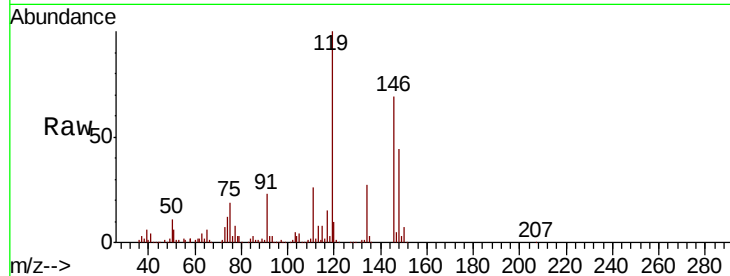
ClientSampleId :

VN0904WBS01

Tot Ion:	146	Resp:	262065
Ion Ratio	Lower	Upper	
146	100		
111	37.9	19.1	57.3
148	63.6	32.2	96.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.84 ug/l

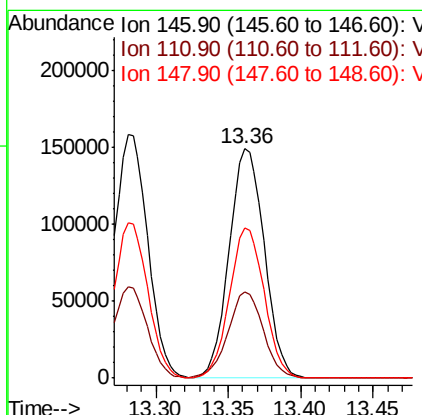
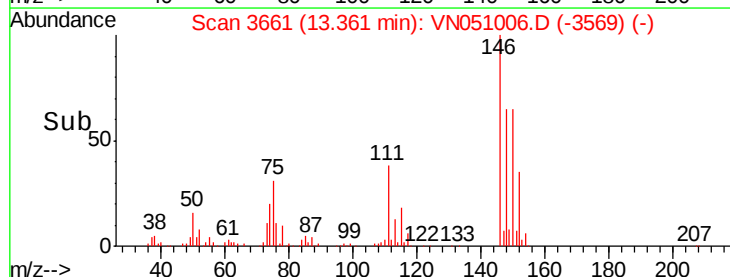
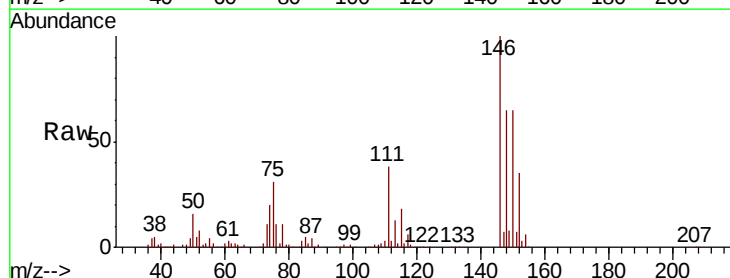
RT: 13.36 min Scan# 3661

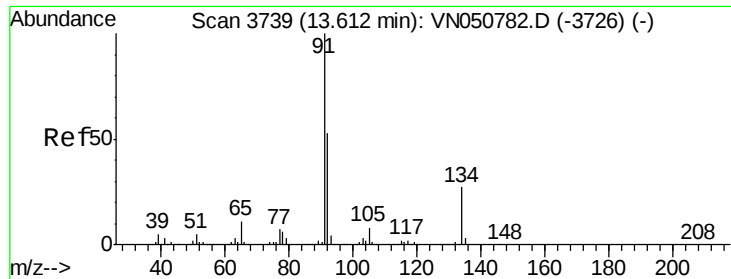
Delta R.T. -0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Tgt Ion:	146	Resp:	251203
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.8	56.3
148	64.5	32.2	96.6





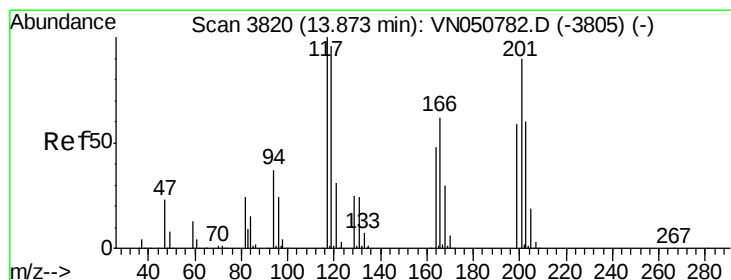
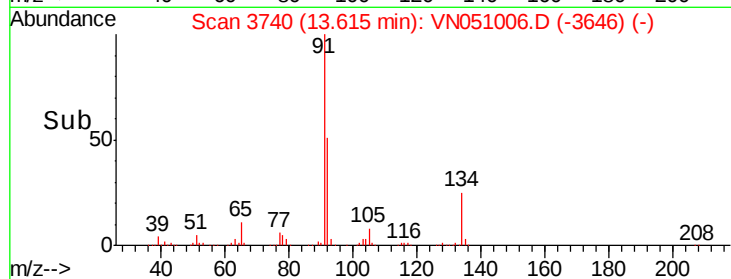
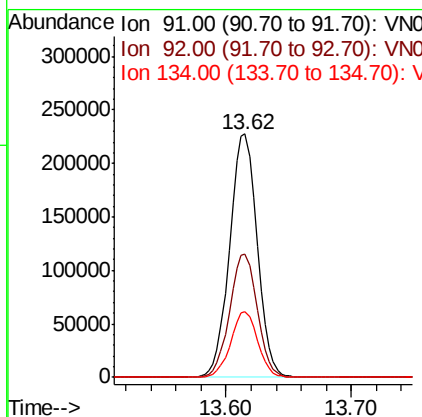
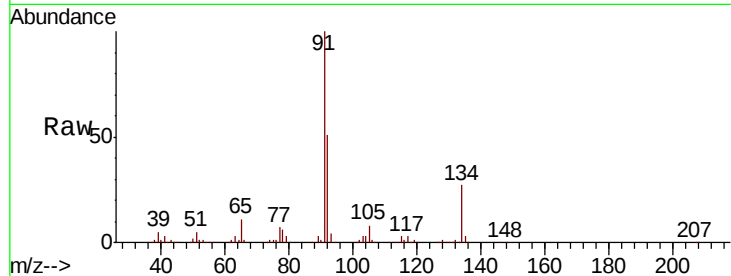
#89
n-Butylbenzene
Concen: 18.94 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Instrument :
MSVOA_N
ClientSampled :
VN0904WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.1	78.2
134	26.4	13.2	39.6

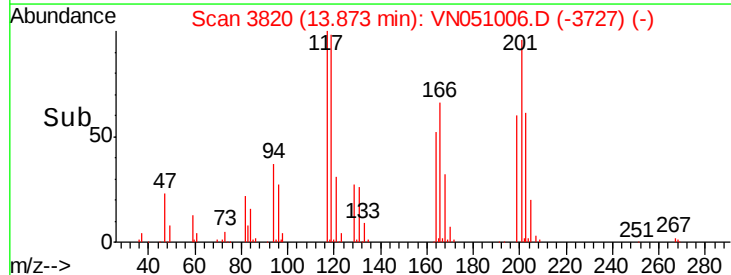
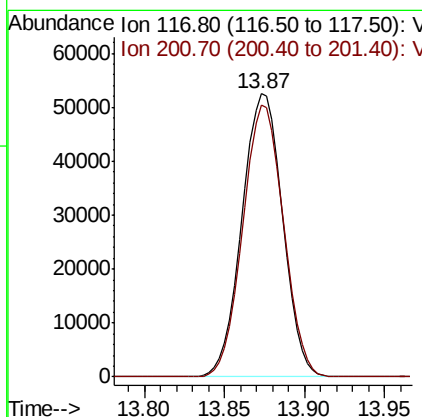
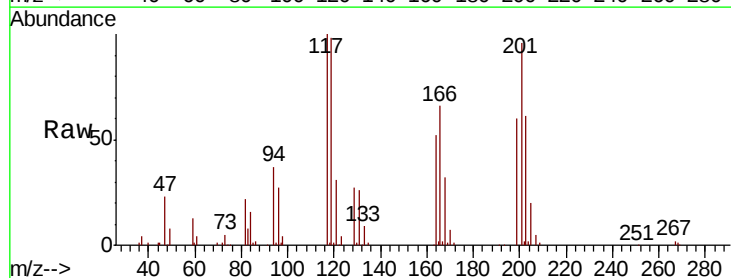
Manual Integrations
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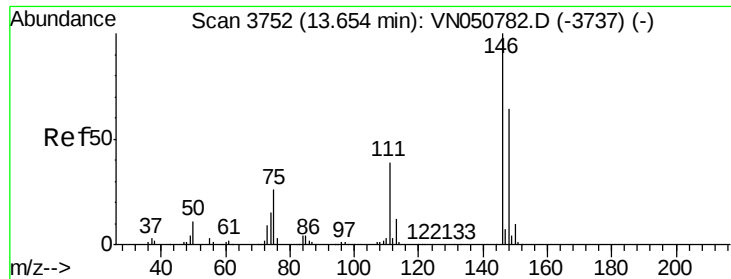
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#90
Hexachloroethane
Concen: 20.96 ug/l
RT: 13.87 min Scan# 3820
Delta R.T. 0.00 min
Lab File: VN051006.D
Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	95.8	46.0	137.8





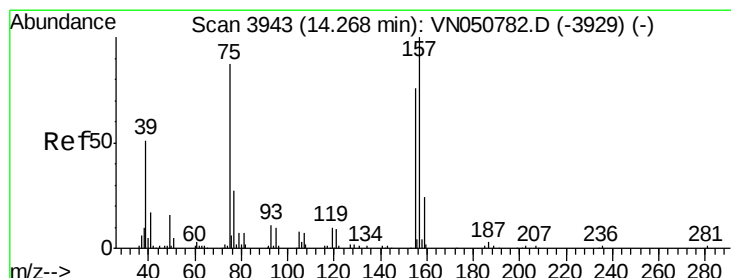
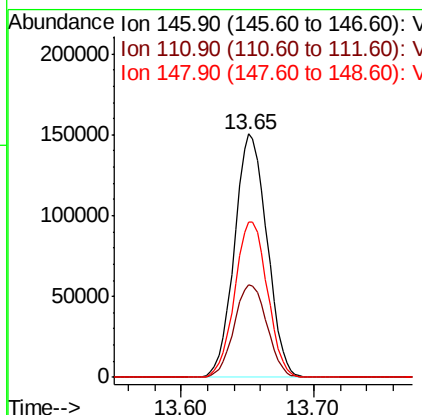
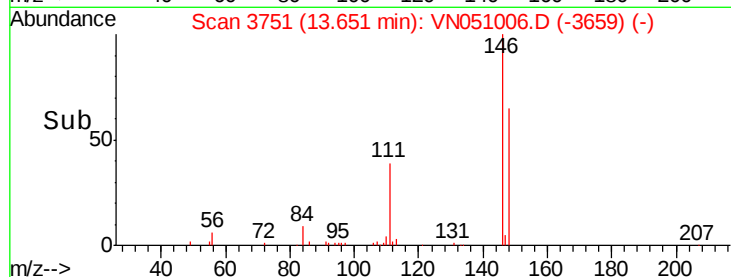
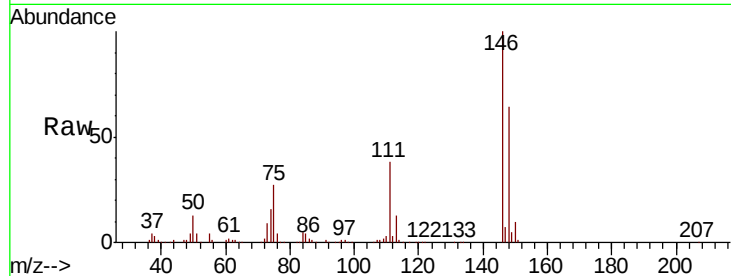
#91
 1,2-Dichlorobenzene
 Concen: 19.60 ug/l
 RT: 13.65 min Scan# 3751
 Delta R.T. -0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	256136		
111	38.5	19.8	59.3	
148	64.1	32.3	96.8	

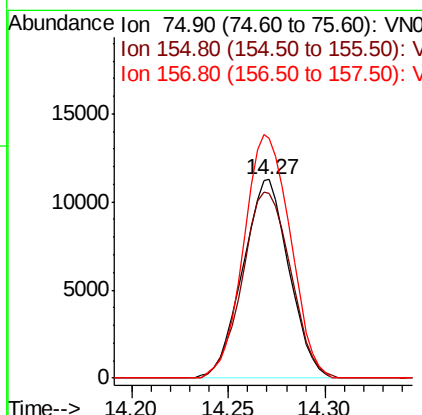
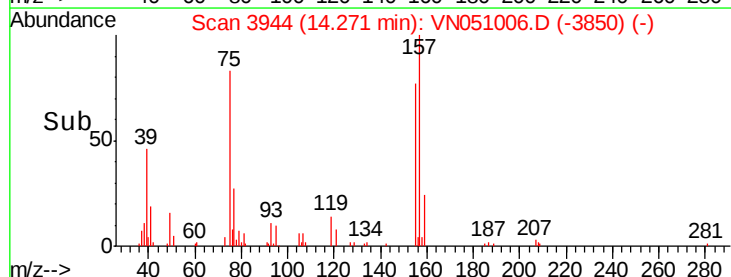
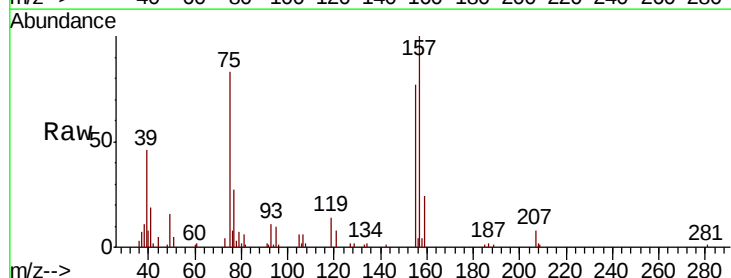
Manual Integrations
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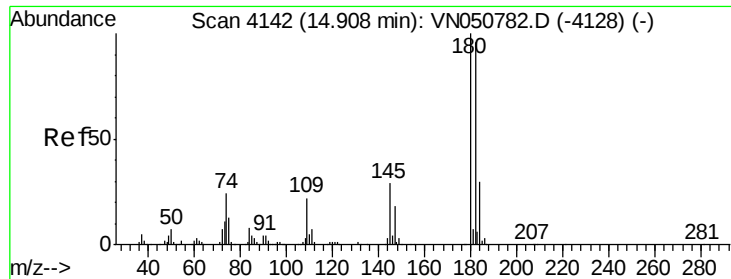
MMDadoda
 9/5/2018 12:00:06 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.80 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18776		
155	97.9	46.4	139.1	
157	123.6	60.7	182.0	





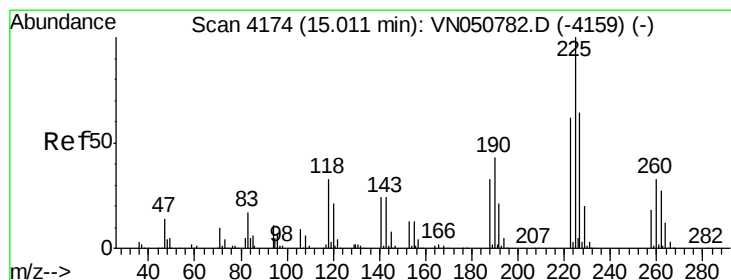
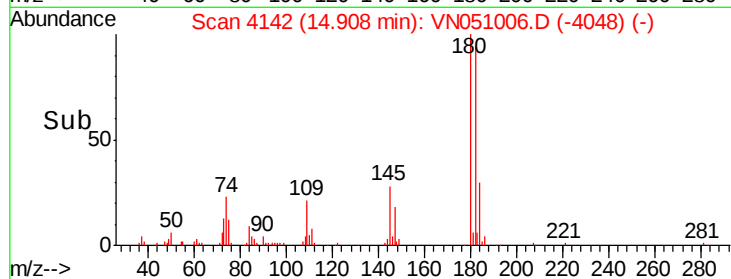
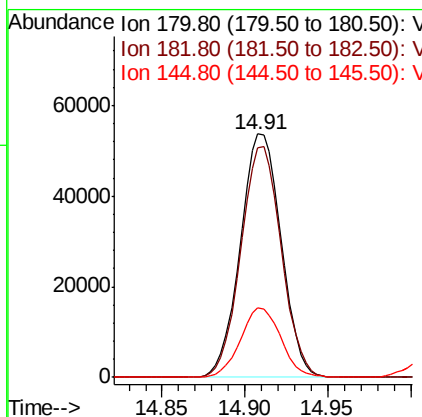
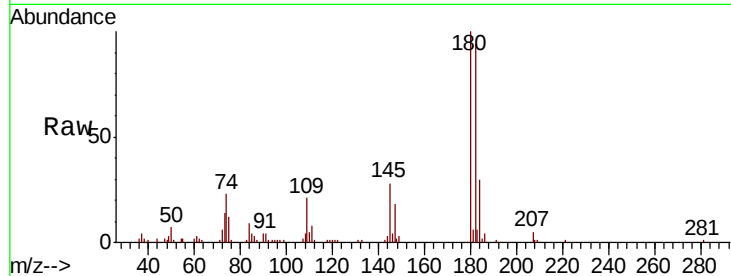
#93
 1,2,4-Trichlorobenzene
 Concen: 16.49 ug/l
 RT: 14.91 min Scan# 4142
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Instrument :
 MSVOA_N
 ClientSampled :
 VN0904WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	93.9	48.2	144.6	
145	28.1	14.1	42.2	

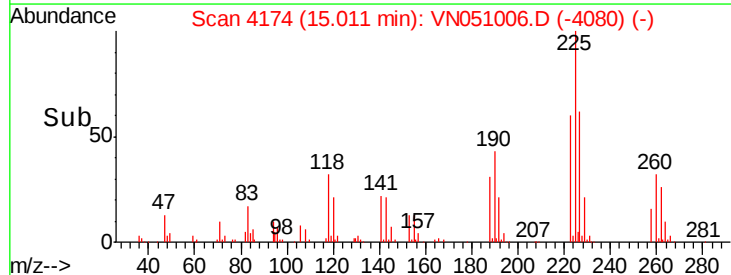
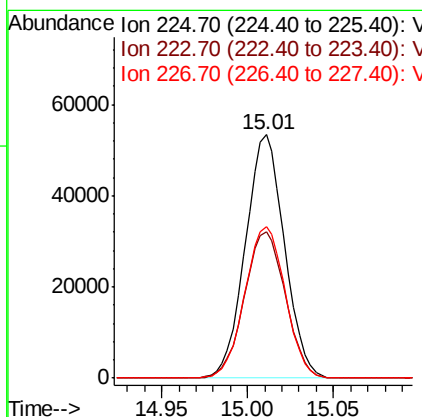
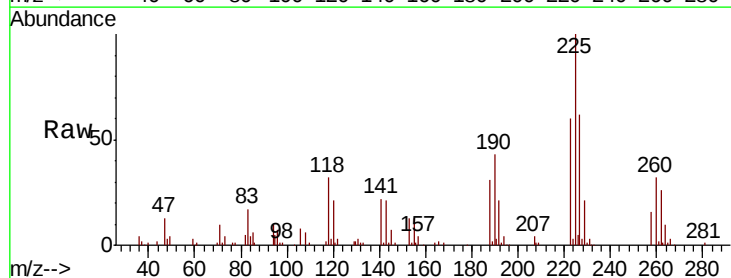
Manual Integrations
 APPROVED

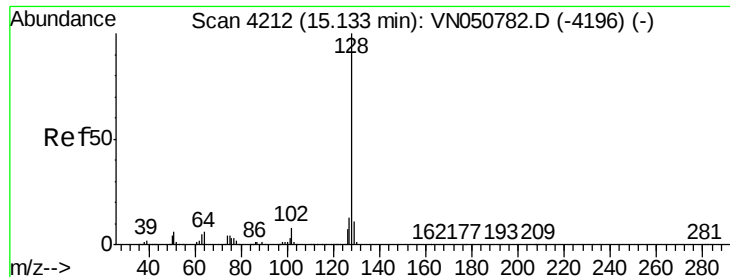
MMDadoda
 9/5/2018 12:00:06 PM



#94
 Hexachlorobutadiene
 Concen: 21.01 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN051006.D
 Acq: 4 Sep 2018 9:37

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.0	31.3	93.8	
227	64.2	32.0	96.2	





#95

Naphthalene

Concen: 15.38 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Instrument :

MSVOA_N

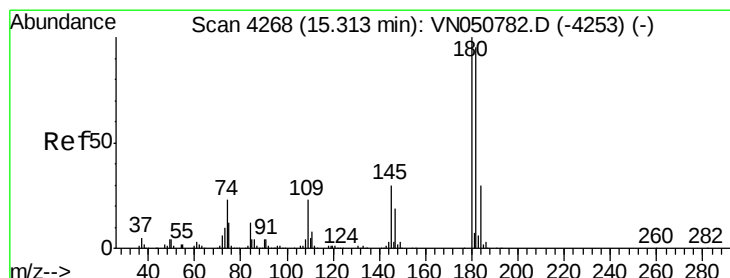
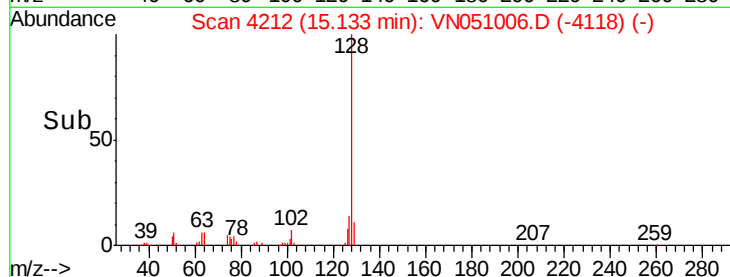
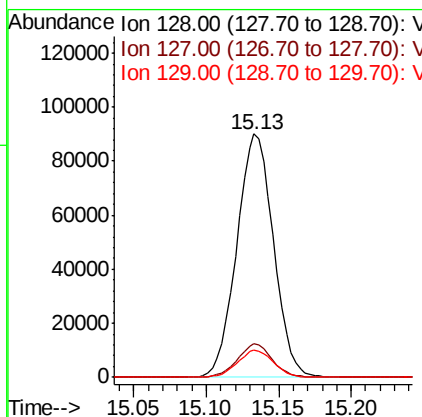
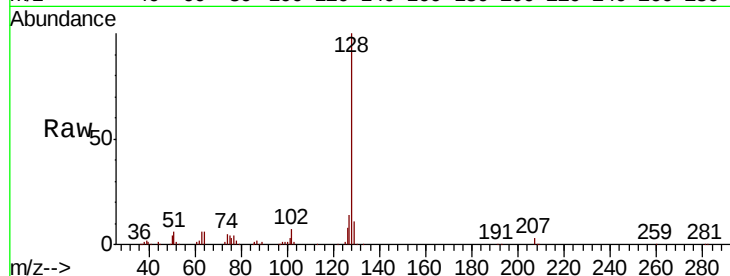
ClientSampled :

VN0904WBS01

Tot Ion:	128	Resp:	158565
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.5	15.7
129	10.9	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/5/2018 12:00:06 PM



#96

1,2,3-Trichlorobenzene

Concen: 17.07 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN051006.D

Acq: 4 Sep 2018 9:37

Tgt Ion:	180	Resp:	93983
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.0	144.2
145	28.8	15.2	45.6

