

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090718\
 Data File : VN051046.D
 Acq On : 7 Sep 2018 10:50
 Operator : MD\SY
 Sample : VN0907WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/10/2018 11:53:13 AM

Quant Time: Sep 07 17:05:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	134604	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	704159	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	625931	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	251269	29.25	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	97.50%
60) 4-Bromofluorobenzene	12.40	95	283936	30.51	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	101.70%
63) Toluene-d8	10.09	98	880318	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	136198	16.29	ug/l	99
3) Chloromethane	2.06	50	163651	16.58	ug/l	100
4) Vinyl Chloride	2.18	62	161441	16.55	ug/l	98
5) Bromomethane	2.55	94	127577	21.46	ug/l	95
6) Chloroethane	2.70	64	97014	16.86	ug/l	100
7) Trichlorofluoromethane	3.01	101	223096	17.25	ug/l	98
8) Diethyl Ether	3.41	74	80497	17.66	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	137187	17.13	ug/l	97
10) 1,1-Dichloroethene	3.73	96	123199	16.94	ug/l	98
11) Methyl Iodide	3.95	142	86300	12.72	ug/l	99
12) Methyl Acetate	4.33	43	189207	22.50	ug/l	99
13) Acrolein	3.61	56	35161	188.80	ug/l	98
14) Acrylonitrile	4.99	53	257440	90.53	ug/l	98
15) Acetone	3.82	58	66150	90.91	ug/l	89
16) Carbon Disulfide	4.05	76	340015	15.55	ug/l	99
17) Allyl chloride	4.32	41	187451	16.38	ug/l	99
18) Methylene Chloride	4.55	84	151576	17.76	ug/l	99
19) trans-1,2-Dichloroethene	5.04	96	129196	16.67	ug/l	100
20) Diisopropyl ether	5.96	45	424770	17.88	ug/l	98
21) 1,1-Dichloroethane	5.85	63	256321	17.60	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	149566	17.09	ug/l	99
23) tert-Butyl Alcohol	4.79	59	58591	96.89	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	358238	18.01	ug/l	100
25) Chloroform	7.37	83	261257	17.97	ug/l	98
26) Cyclohexane	7.65	56	191426	15.86	ug/l	# 100
29) 1,1-Dichloropropene	7.79	75	181769	17.24	ug/l	99
30) 2-Butanone	6.84	43	288014	88.81	ug/l	100
31) 2,2-Dichloropropane	6.83	77	185185	18.05	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	219846	18.39	ug/l	98
33) Carbon Tetrachloride	7.77	117	191900	17.83	ug/l	99
34) Benzene	8.04	78	581355	17.83	ug/l	98
35) Methacrylonitrile	7.18	41	61266	17.24	ug/l	95
36) 1,2-Dichloroethane	8.13	62	181925	18.45	ug/l	100
37) Trichloroethene	8.84	130	150094	17.61	ug/l	99
38) Methylcyclohexane	9.08	83	178581	15.77	ug/l	98
39) 1,2-Dichloropropane	9.12	63	154094	18.09	ug/l	98
40) Dibromomethane	9.21	93	95350	18.58	ug/l	99

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 Sample : VN0907WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Manual Integrations
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MMDadoda
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Quant Time: Sep 07 17:05:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N082818W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Aug 29 01:38:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	196706	18.19	ug/l	97
42) Vinyl Acetate	5.90	43	1244247	83.30	ug/l	99
43) Ethyl Acetate	6.93	43	124847	18.79	ug/l	100
44) Isopropyl Acetate	8.17	43	212745	18.15	ug/l	100
45) 1,4-Dioxane	9.20	88	35354	405.98	ug/l	97
46) Methyl methacrylate	9.20	41	105936	18.04	ug/l	97
47) n-amyl Acetate	12.07	43	165907	17.60	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	186660	17.61	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	216941	17.81	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	139004	18.65	ug/l	99
51) Ethyl methacrylate	10.43	69	159346	17.47	ug/l	98
52) 1,3-Dichloropropane	10.71	76	228202	18.48	ug/l	99
53) Dibromochloromethane	10.90	129	155959	18.40	ug/l	100
54) 1,2-Dibromoethane	11.01	107	135669	18.40	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	294857	77.69	ug/l	99
56) Bromoform	12.13	173	111750	18.54	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	649852	90.74	ug/l	99
59) 2-Hexanone	10.75	43	424710	90.73	ug/l	99
61) Tetrachloroethene	10.63	164	140913	18.07	ug/l	98
62) Toluene	10.16	91	633862	18.15	ug/l	99
64) Chlorobenzene	11.43	112	392489	18.14	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	152065	18.61	ug/l	99
66) Ethyl Benzene	11.51	91	632111	17.48	ug/l	100
67) m/p-Xylenes	11.62	106	500756	35.98	ug/l	100
68) o-Xylene	11.95	106	241426	18.16	ug/l	98
69) Styrene	11.96	104	381015	18.02	ug/l	99
70) Isopropylbenzene	12.25	105	634937	17.97	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.51	83	185657	19.41	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	149048m	18.06	ug/l	
73) Bromobenzene	12.53	156	170702	18.36	ug/l	100
74) n-propylbenzene	12.59	91	710832	17.79	ug/l	100
75) 2-Chlorotoluene	12.68	91	444305	18.31	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	532003	18.42	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	41251	17.54	ug/l	94
78) 4-Chlorotoluene	12.77	91	436642	18.27	ug/l	100
79) tert-butylbenzene	12.99	119	460640	18.37	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	535862	18.61	ug/l	99
81) sec-Butylbenzene	13.17	105	594729	18.13	ug/l	99
82) p-Isopropyltoluene	13.29	119	514363	18.16	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	284912	18.13	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	266783	17.91	ug/l	98
85) n-Butylbenzene	13.62	91	370153	17.13	ug/l	100
86) Hexachloroethane	13.87	117	100386	18.47	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	287225	18.56	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	25872	19.33	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	108770	15.79	ug/l	98
90) Hexachlorobutadiene	15.01	225	92527	19.77	ug/l	98
91) Naphthalene	15.13	128	211415	18.40	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	114383	16.55	ug/l	98

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

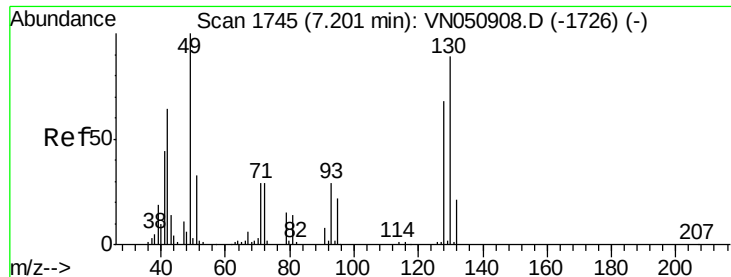
Manual Integrations
APPROVED

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9/10/2018 11:53:13 AM

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QLast Update : Wed Aug 29 01:38:44 2018
Response via : Initial Calibration

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



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

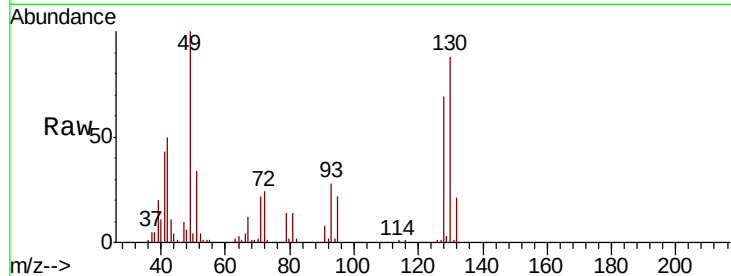
ClientSampleId :

VN0907WBSD01

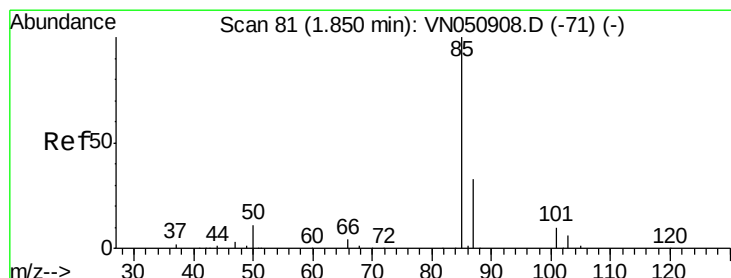
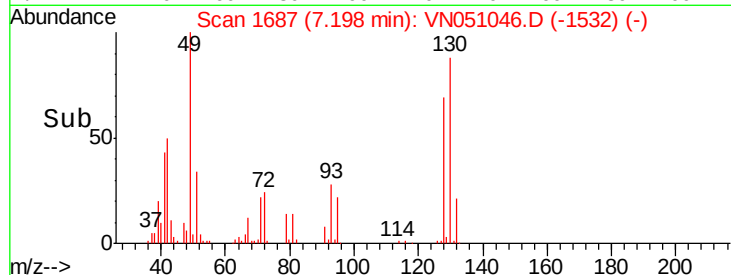
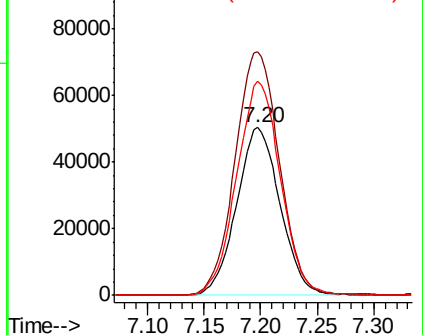
Tot Ion:	128	Resp:	134604
Ion	Ratio	Lower	Upper
128	100		
49	148.8	0.0	380.3
130	128.8	0.0	325.3

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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 16.29 ug/l

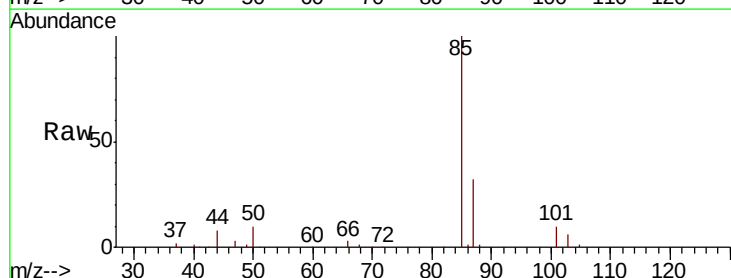
RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

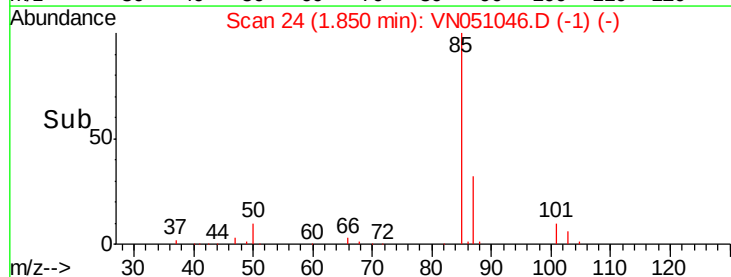
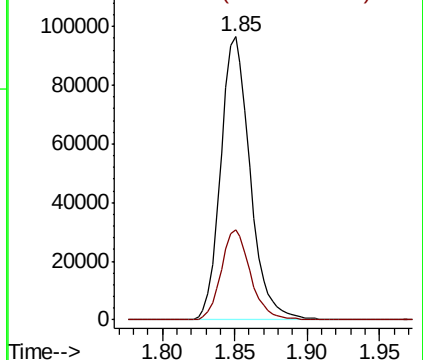
Lab File: VN051046.D

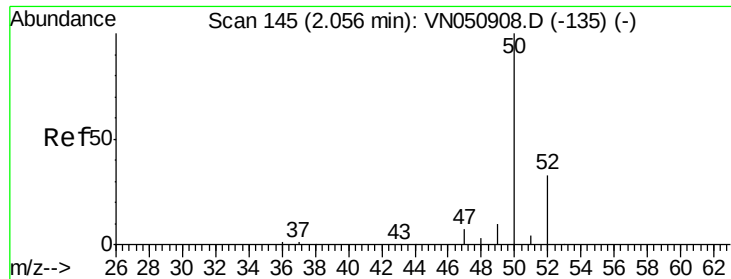
Acq: 7 Sep 2018 10:50

Tgt Ion:	85	Resp:	136198
Ion	Ratio	Lower	Upper
85	100		
87	31.9	16.4	49.1



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 16.58 ug/l

RT: 2.06 min Scan# 88

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 50 Resp: 163651

Ion Ratio Lower Upper

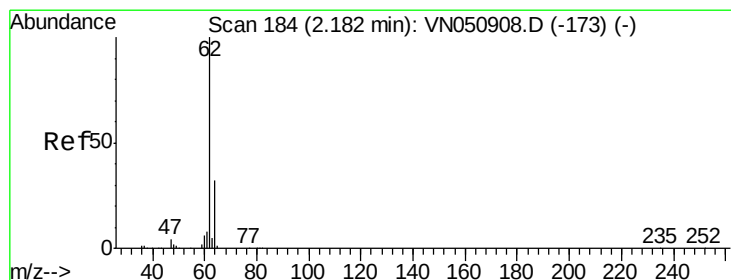
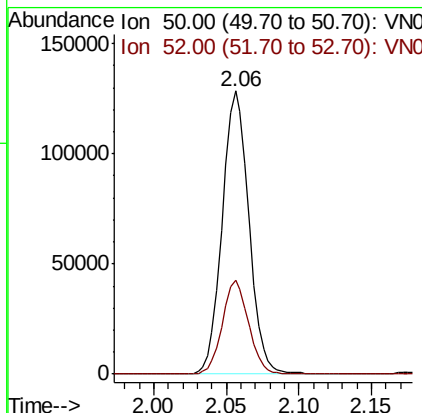
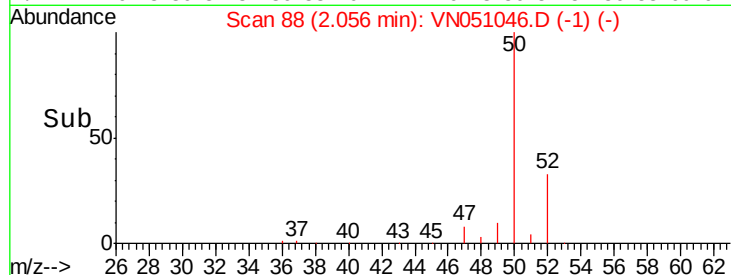
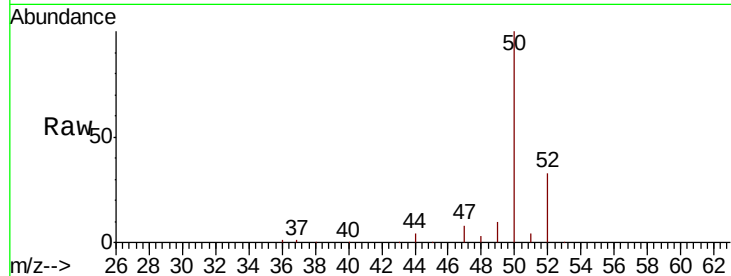
50 100

52 33.1 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.55 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN051046.D

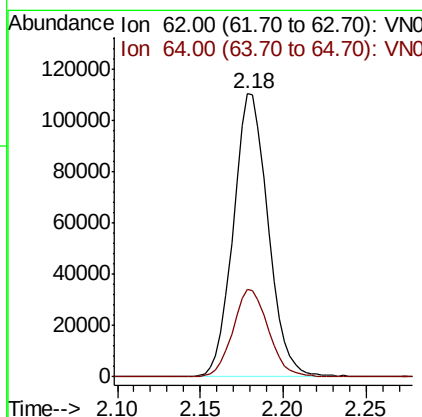
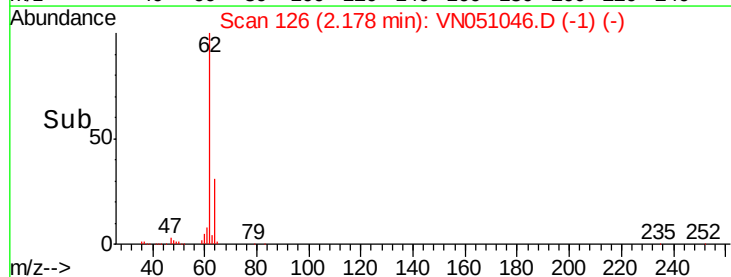
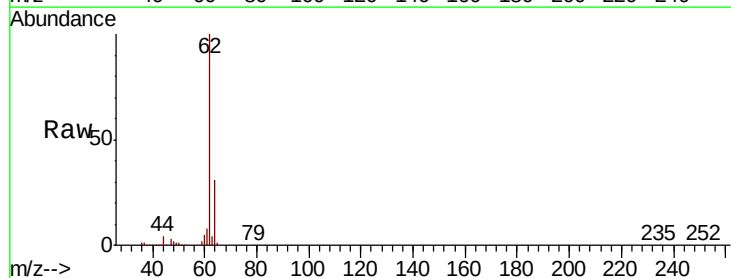
Acq: 7 Sep 2018 10:50

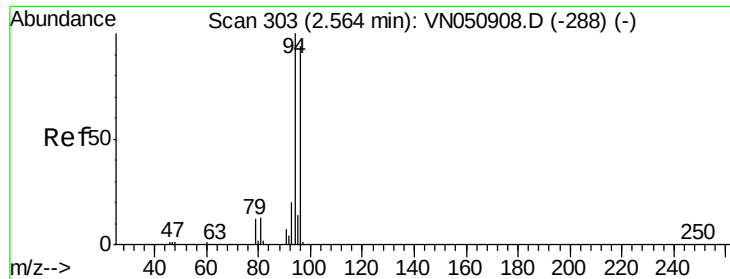
Tgt Ion: 62 Resp: 161441

Ion Ratio Lower Upper

62 100

64 30.6 25.4 38.0





#5

Bromomethane

Concen: 21.46 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 94 Resp: 127577

Ion Ratio Lower Upper

94 100

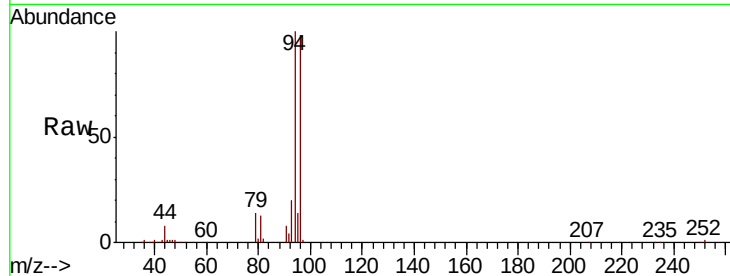
96 98.0 74.9 112.3

Manual Integrations

APPROVED

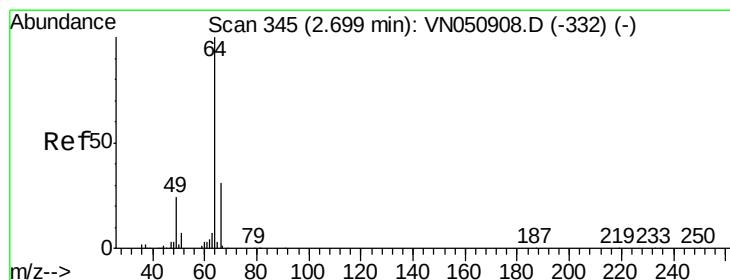
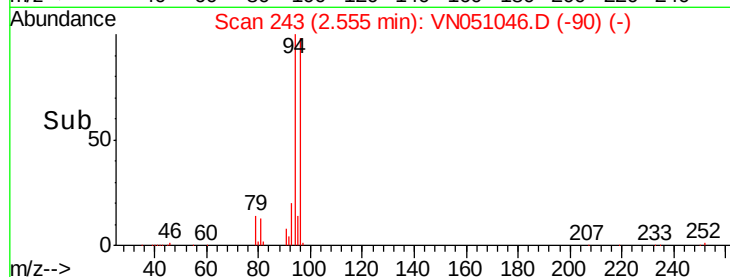
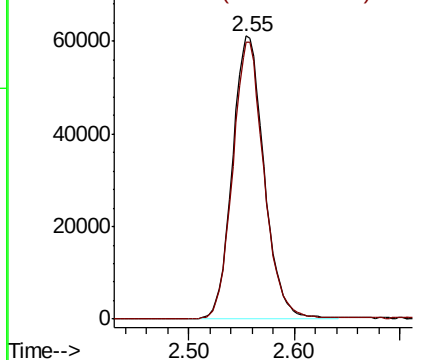
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 16.86 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051046.D

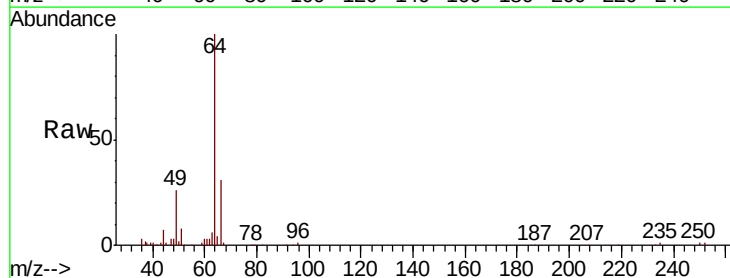
Acq: 7 Sep 2018 10:50

Tgt Ion: 64 Resp: 97014

Ion Ratio Lower Upper

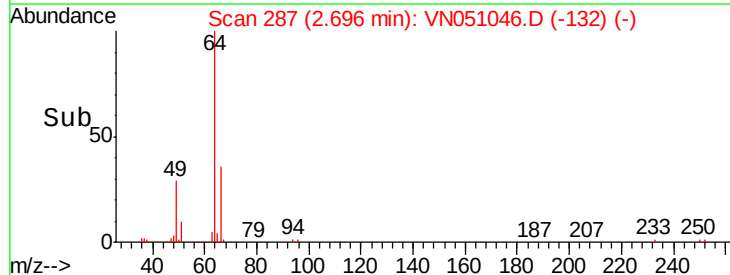
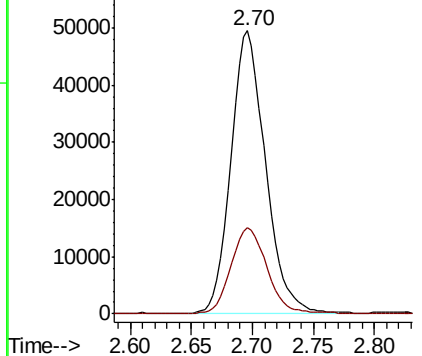
64 100

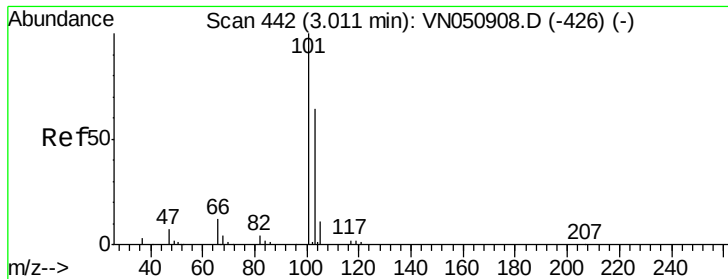
66 30.7 24.5 36.7



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

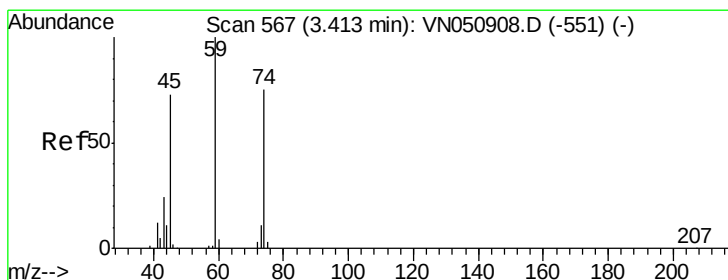
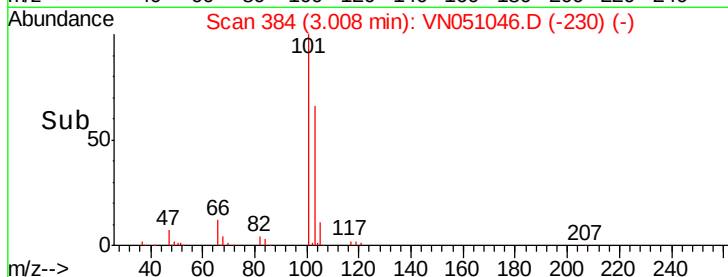
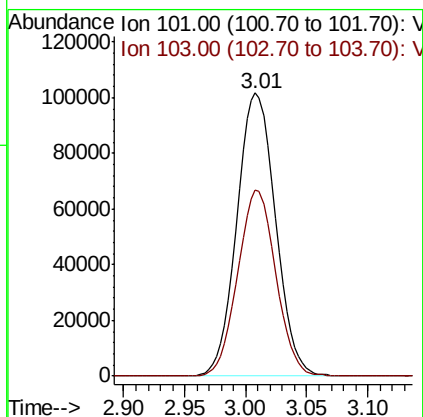
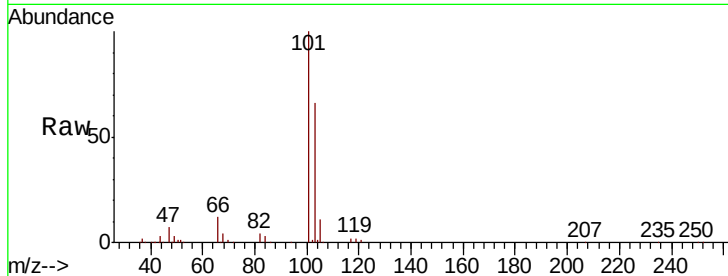
Trichlorofluoromethane
 Concen: 17.25 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
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 VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	223096		
103	65.7	51.3	76.9	

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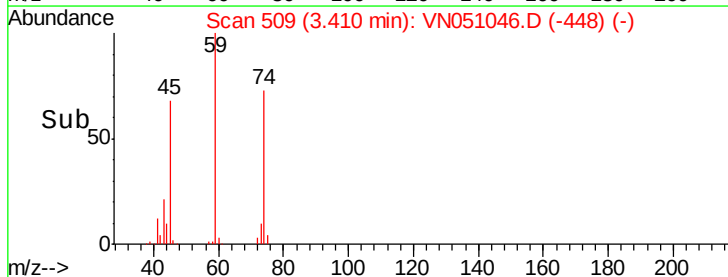
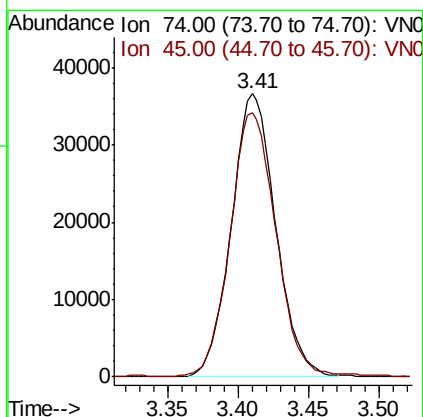
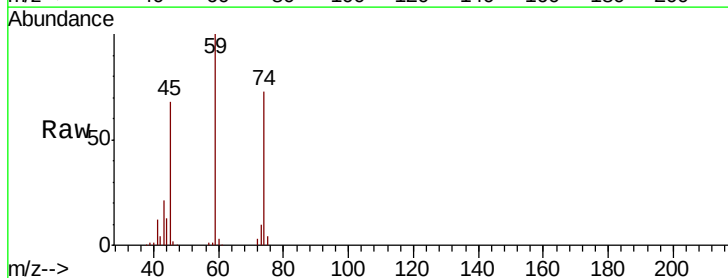
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 9/10/2018 11:53:13 AM

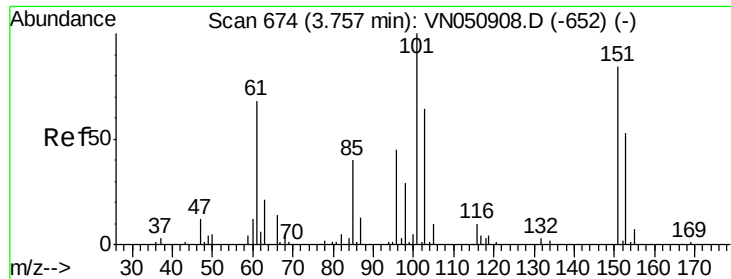


#8

Diethyl Ether
 Concen: 17.66 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	80497		
45	96.9	19.7	177.1	





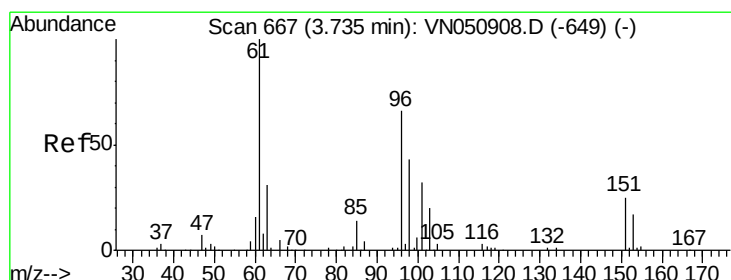
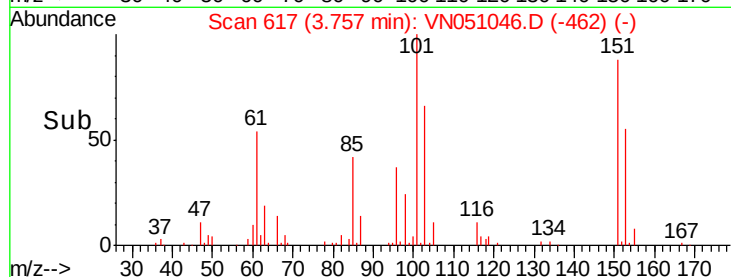
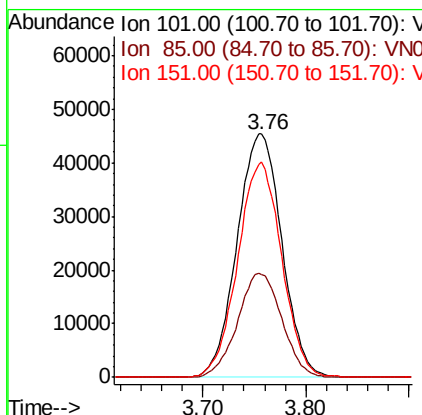
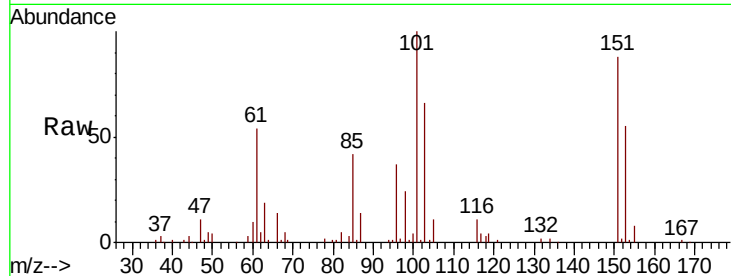
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.13 ug/l
 RT: 3.76 min Scan# 617
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	137187		
85	42.1	0.0	83.6	
151	86.7	0.0	167.0	

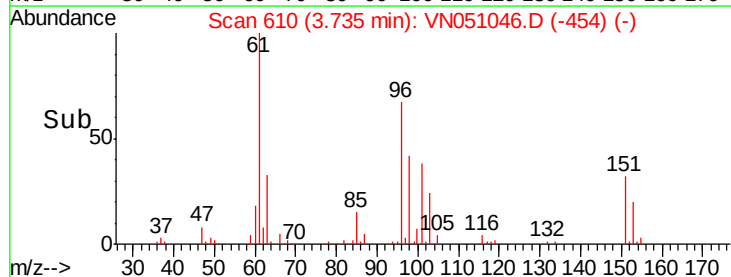
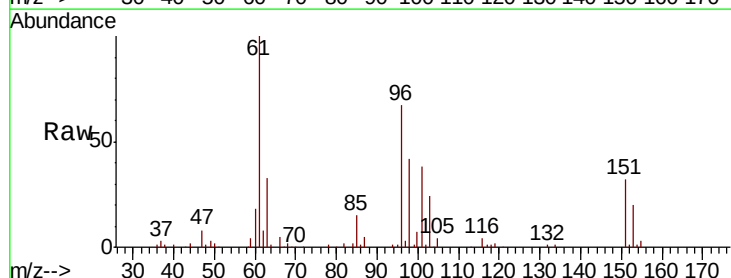
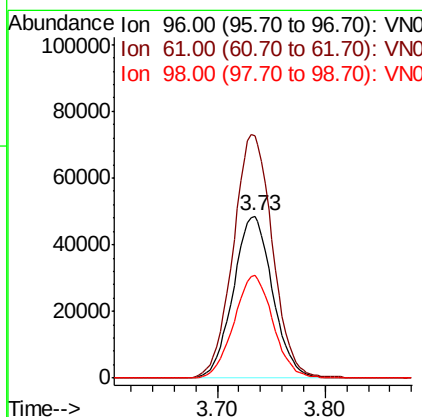
Manual Integrations
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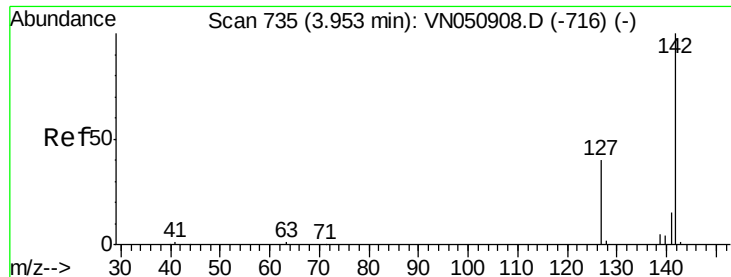
MMDadoda
 9/10/2018 11:53:13 AM



#10
 1,1-Dichloroethene
 Concen: 16.94 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	123199		
61	149.2	121.8	182.8	
98	63.3	52.3	78.5	





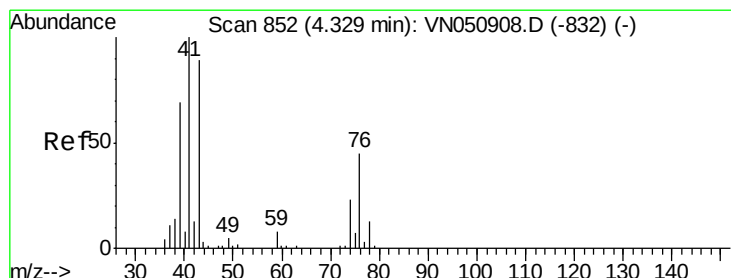
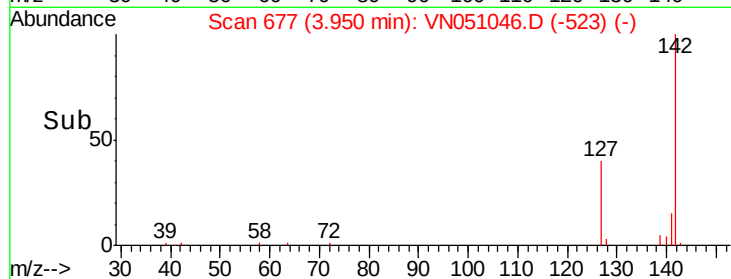
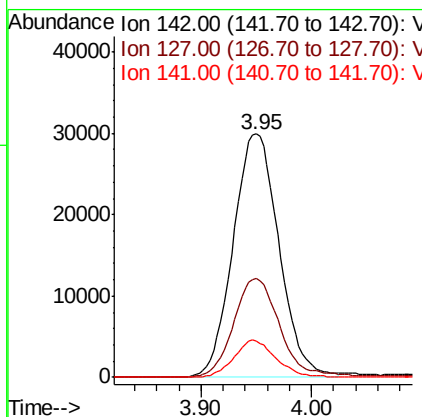
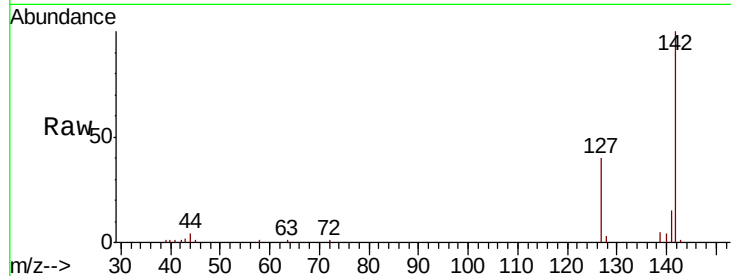
#11
Methyl Iodide
Concen: 12.72 ug/l
RT: 3.95 min Scan# 677
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
142	100		
127	40.0	19.7	59.1
141	15.1	7.3	22.0

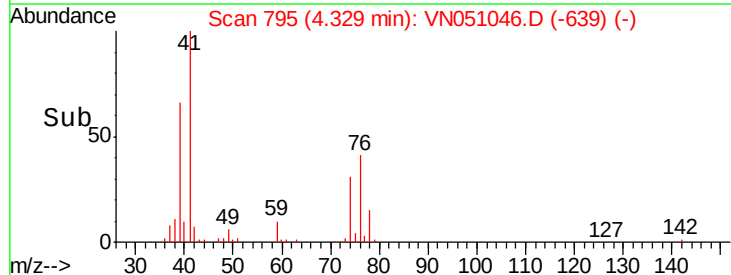
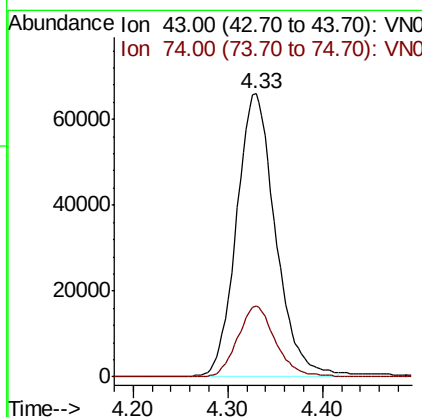
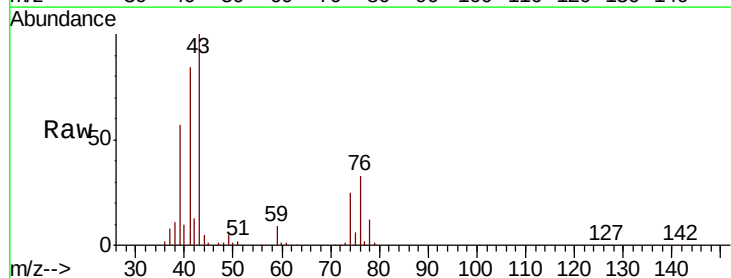
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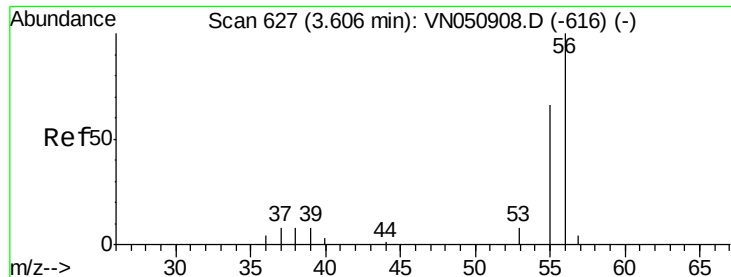
MMDadoda
9/10/2018 11:53:13 AM



#12
Methyl Acetate
Concen: 22.50 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	20.6	31.0





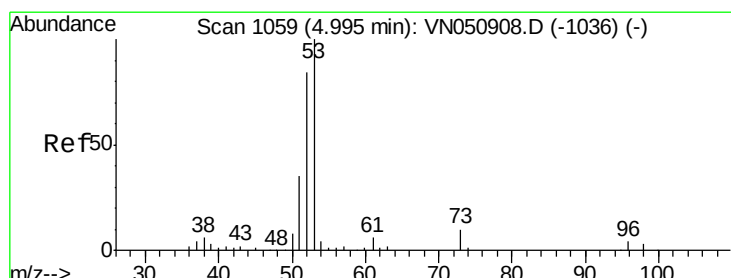
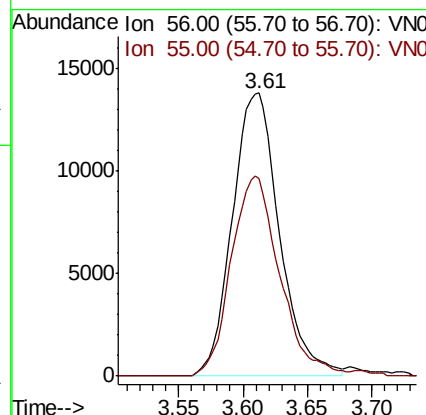
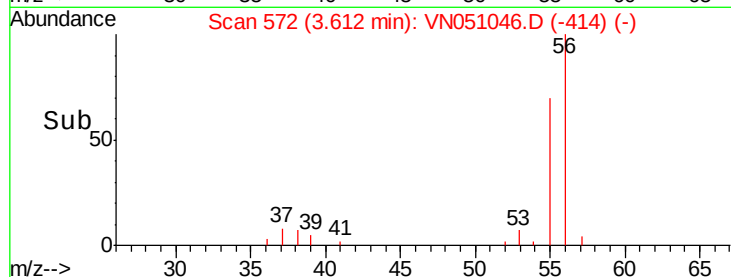
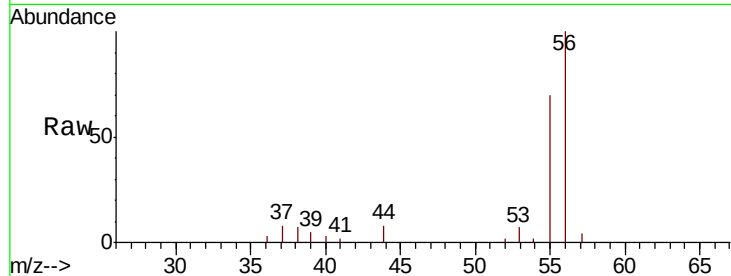
#13
Acrolein
Concen: 188.80 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	72.4	59.1	88.7	

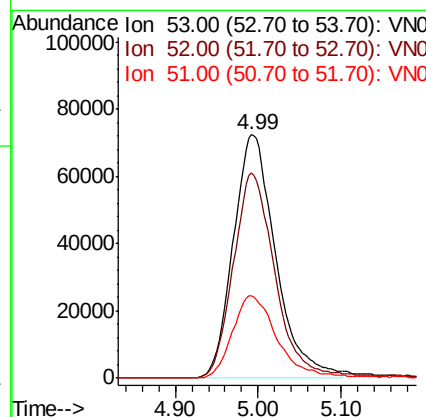
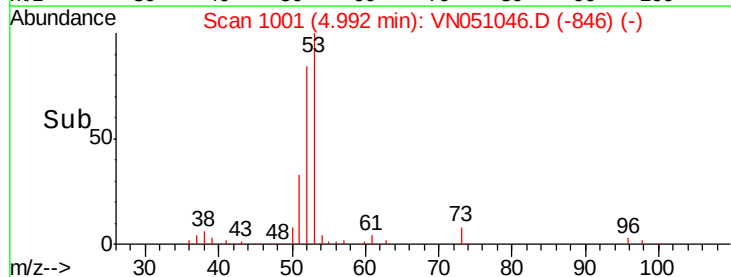
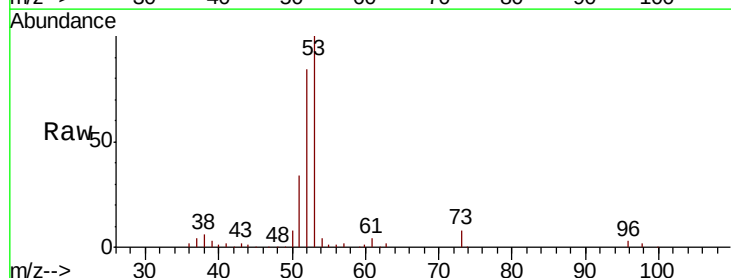
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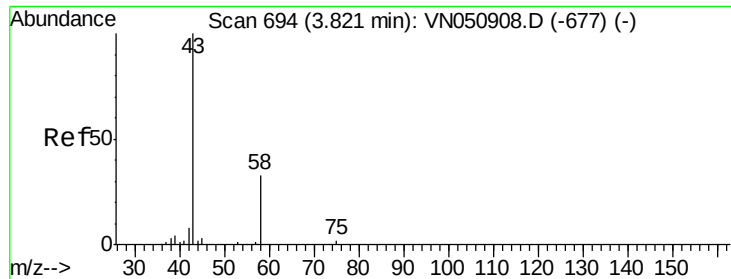
MMDadoda
9/10/2018 11:53:13 AM



#14
Acrylonitrile
Concen: 90.53 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ion	Ratio	Lower	Upper
53	100			
52	82.6	42.2	126.6	
51	35.8	17.7	53.1	





#15

Acetone

Concen: 90.91 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 58 Resp: 66150

Ion Ratio Lower Upper

58 100

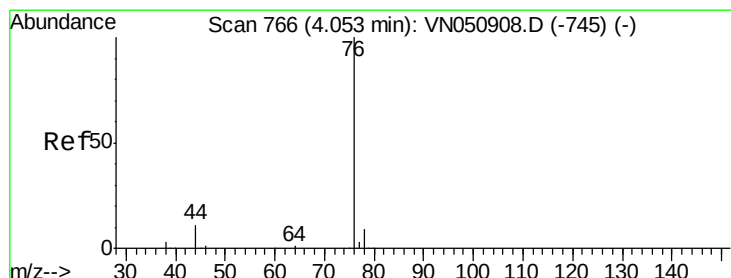
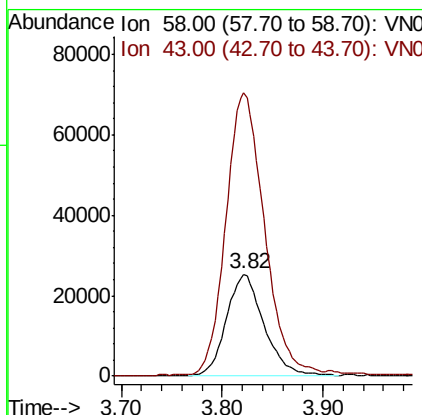
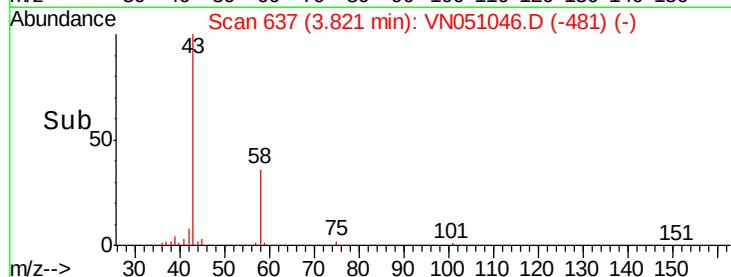
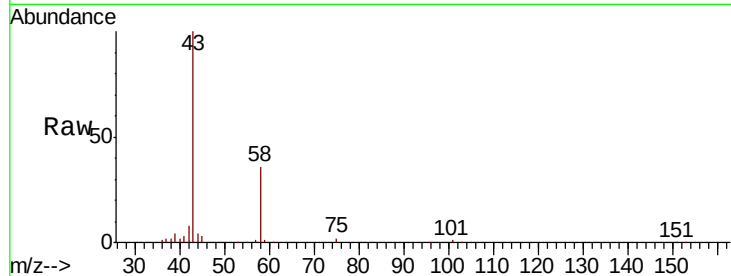
43 277.3 239.4 359.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 15.55 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051046.D

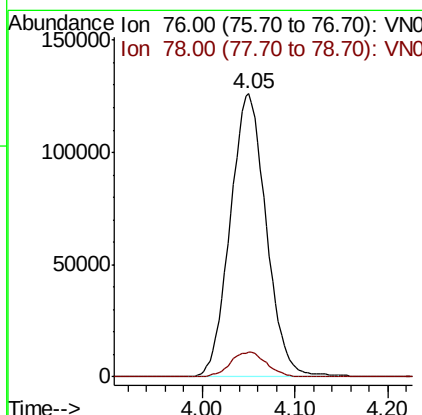
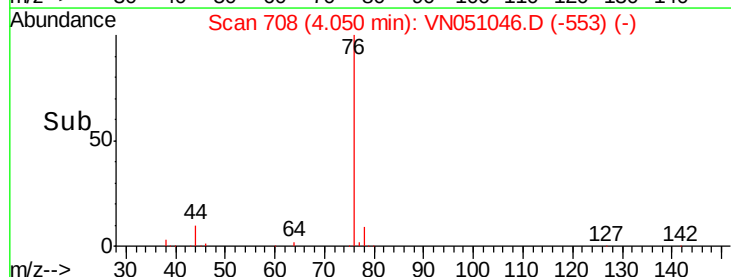
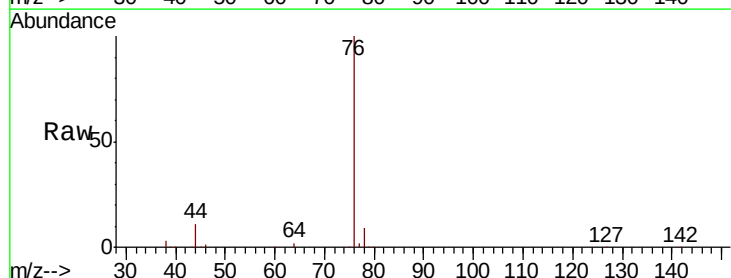
Acq: 7 Sep 2018 10:50

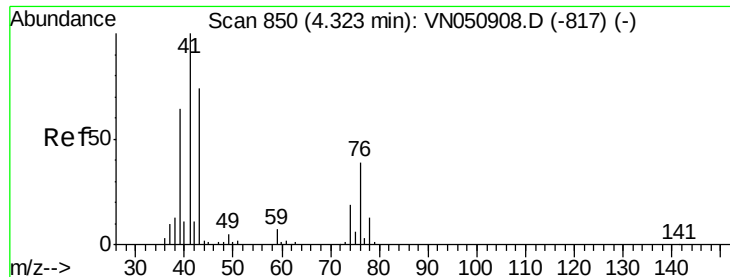
Tgt Ion: 76 Resp: 340015

Ion Ratio Lower Upper

76 100

78 8.7 7.3 10.9





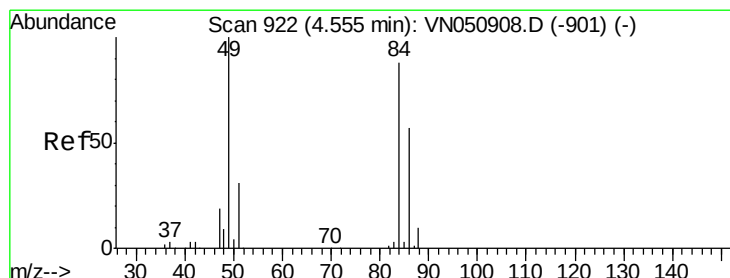
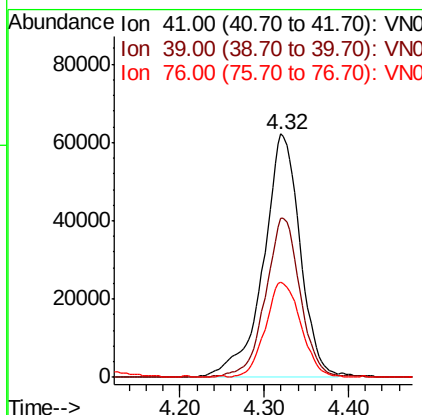
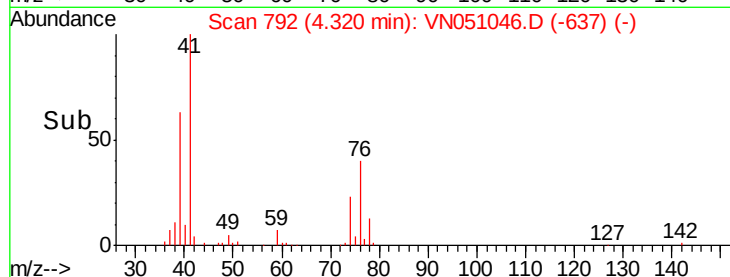
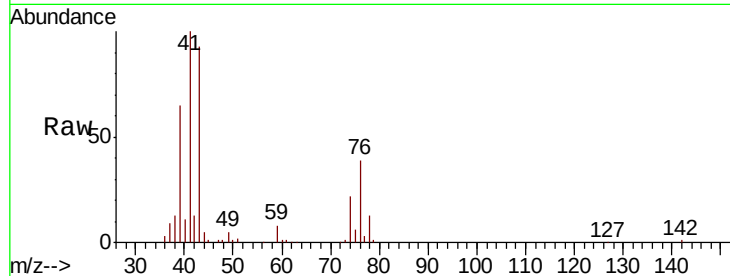
#17
Allvl chloride
Concen: 16.38 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion:	41	Resp:	187451
Ion Ratio	Lower	Upper	
41	100		
39	65.3	32.2	96.6
76	38.7	19.6	58.7

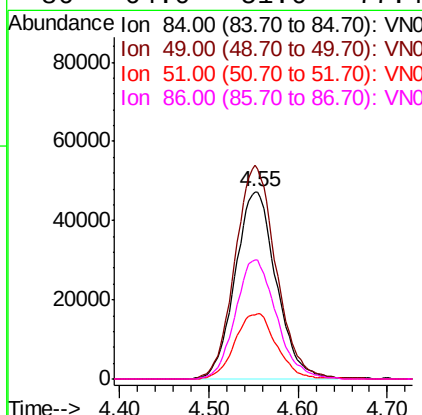
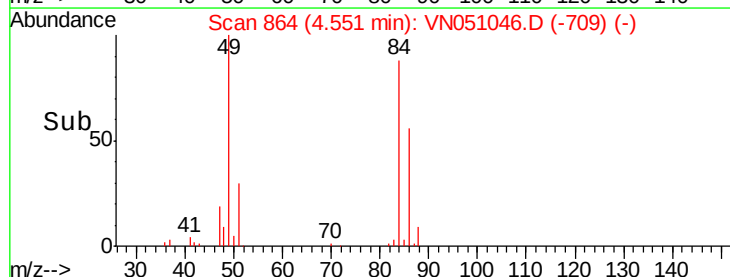
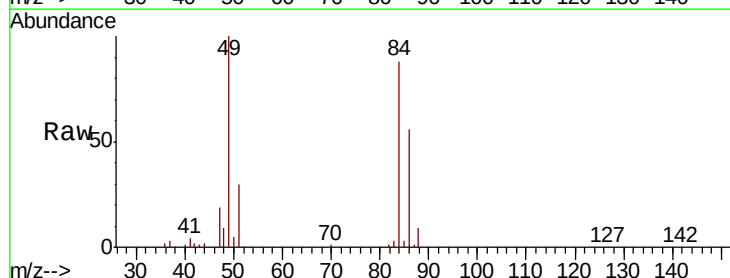
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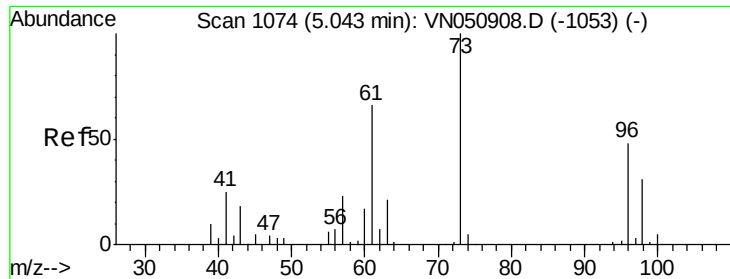
MMDadoda
9/10/2018 11:53:13 AM



#18
Methylene Chloride
Concen: 17.76 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion:	84	Resp:	151576
Ion Ratio	Lower	Upper	
84	100		
49	114.2	90.6	135.8
51	34.4	28.4	42.6
86	64.0	51.6	77.4





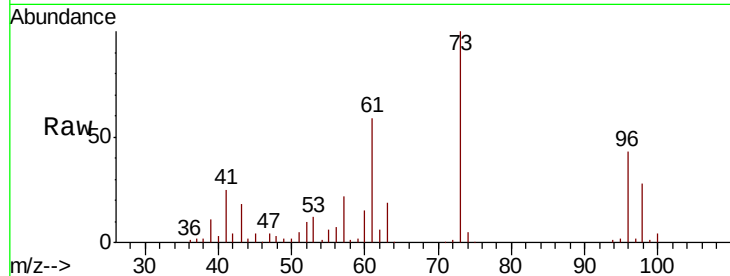
#19
trans-1,2-Dichloroethene
Concen: 16.67 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampled :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	137.7	109.5	164.3
98	64.8	51.9	77.9

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9/10/2018 11:53:13 AM

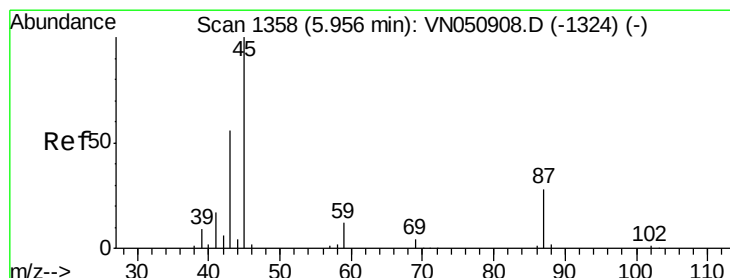
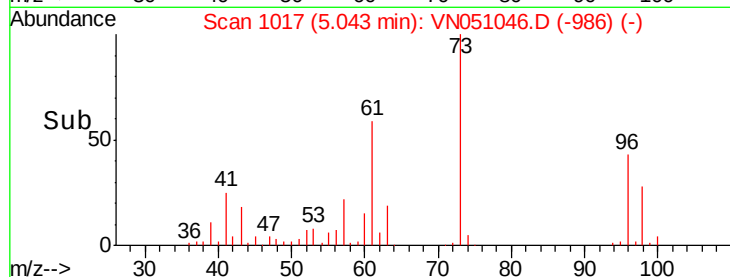
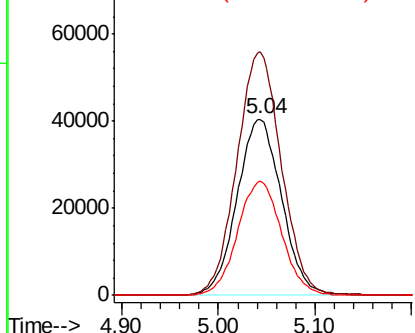


Abundance

Ion 96.00 (95.70 to 96.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#20
Diisopropyl ether
Concen: 17.88 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
45	100		
43	56.8	47.0	70.6
87	29.6	22.8	34.2
59	11.6	9.5	14.3

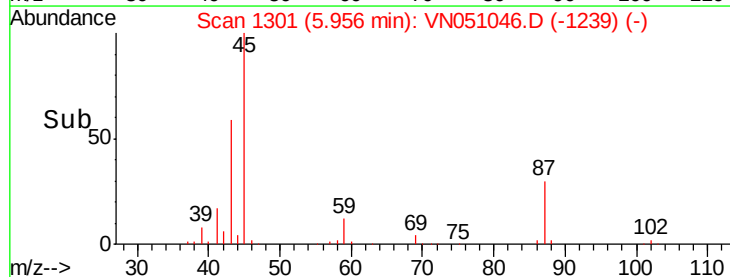
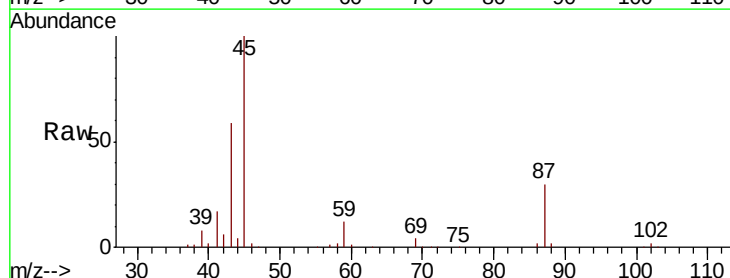
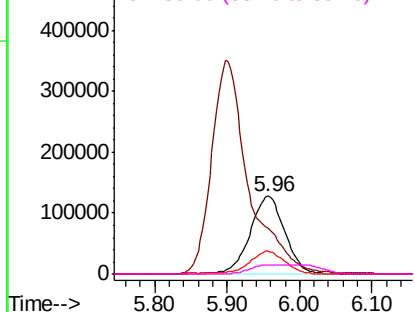
Abundance

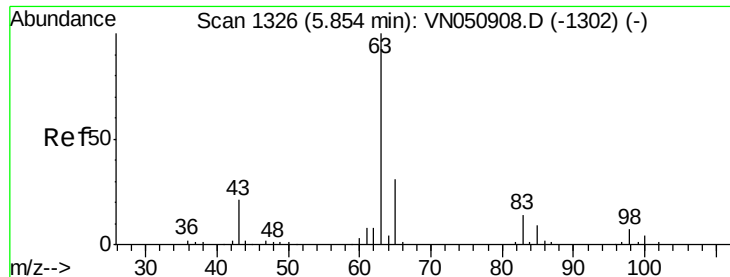
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





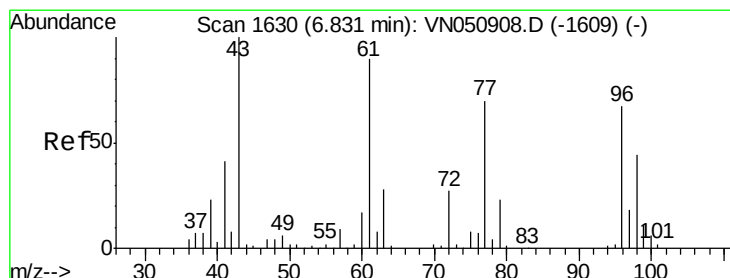
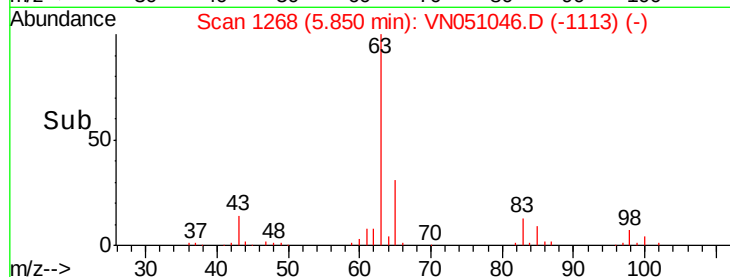
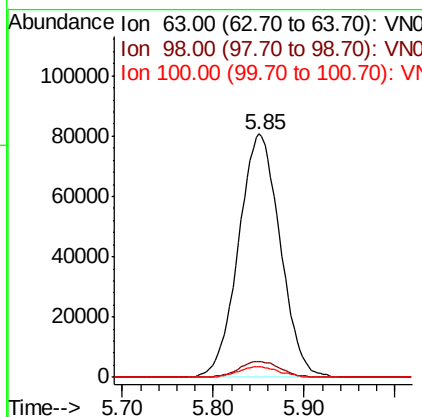
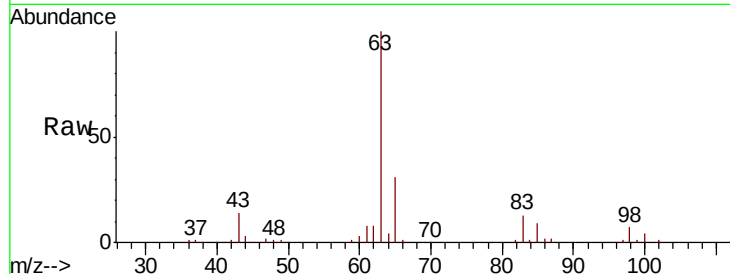
#21
 1,1-Dichloroethane
 Concen: 17.60 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
63	100	256321		
98	6.6	3.3	9.9	
100	4.4	2.0	6.0	

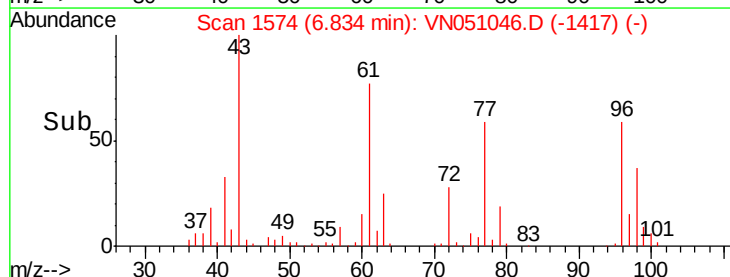
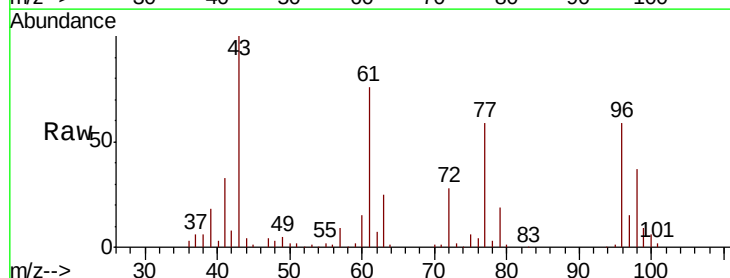
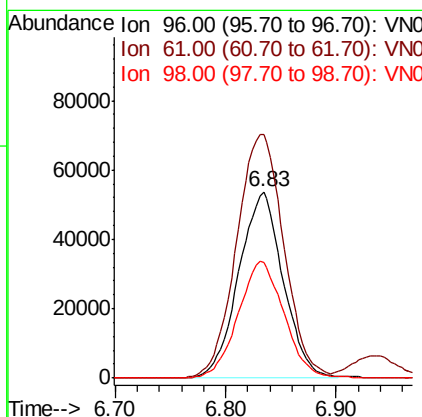
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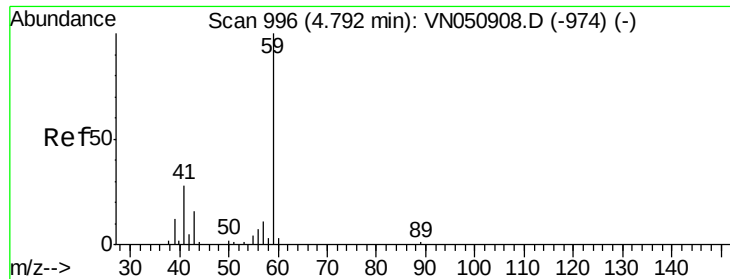
MMDadoda
 9/10/2018 11:53:13 AM



#22
 cis-1,2-Dichloroethene
 Concen: 17.09 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	149566		
61	139.6	110.0	165.0	
98	64.9	51.7	77.5	





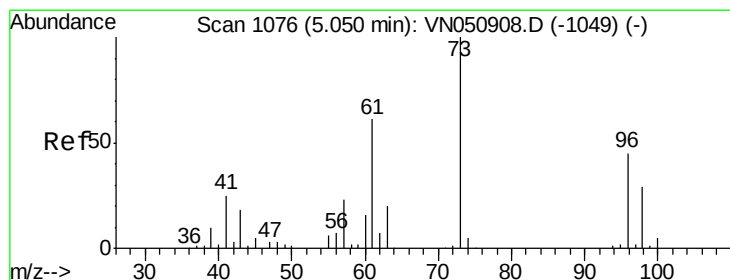
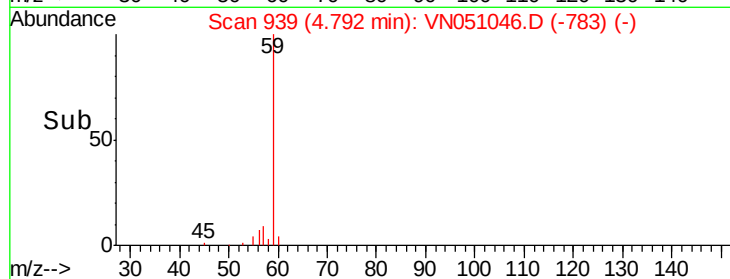
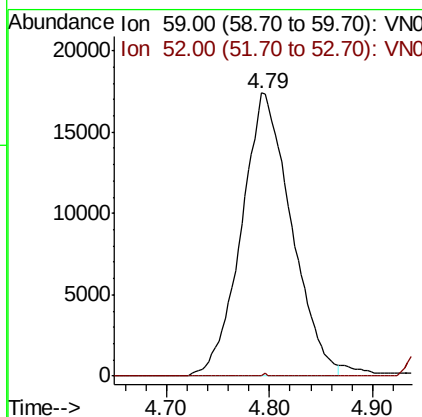
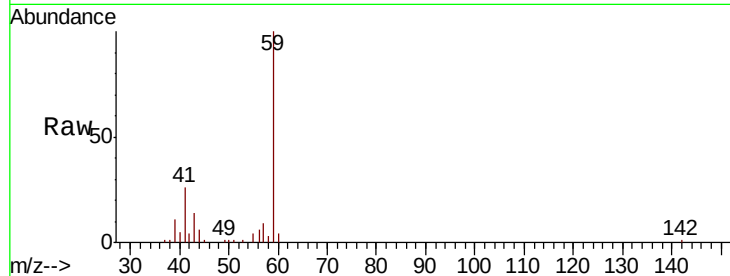
#23
 tert-Butyl Alcohol
 Concen: 96.89 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.1	0.1#

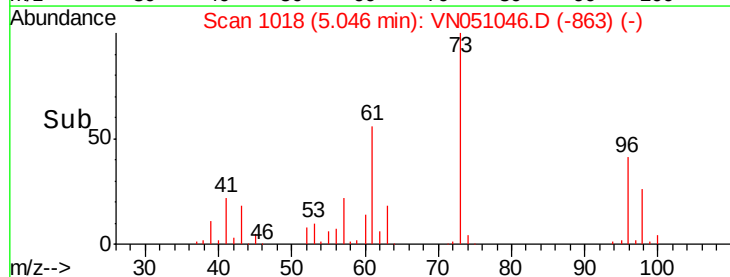
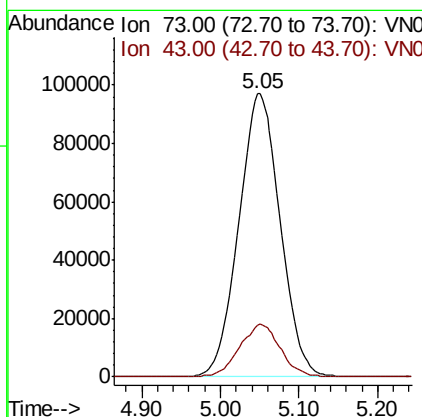
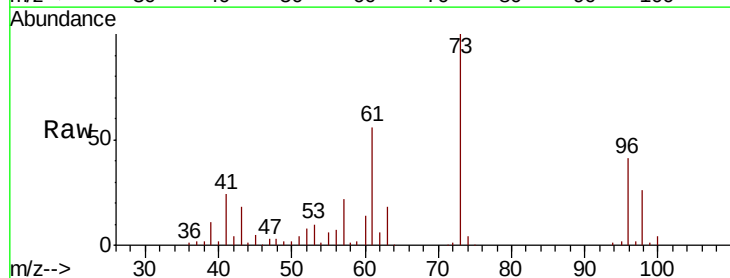
Manual Integrations
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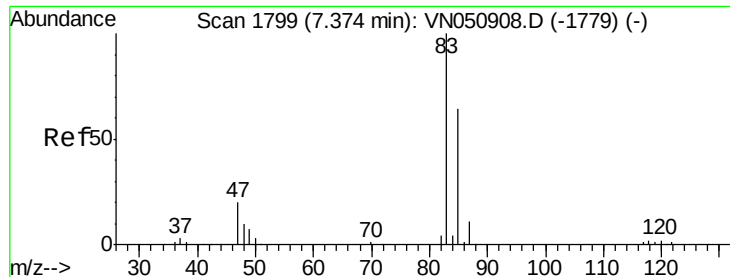
MMDadoda
 9/10/2018 11:53:13 AM



#24
 Methyl tert-Butyl Ether
 Concen: 18.01 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
73	100		
43	18.1	14.4	21.6





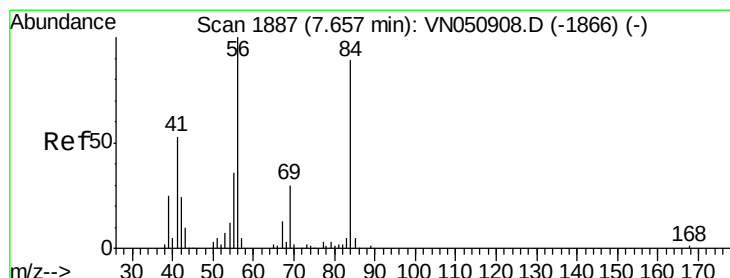
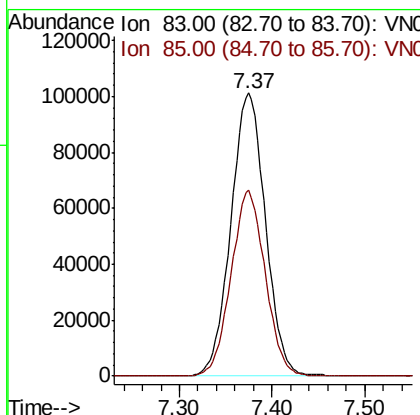
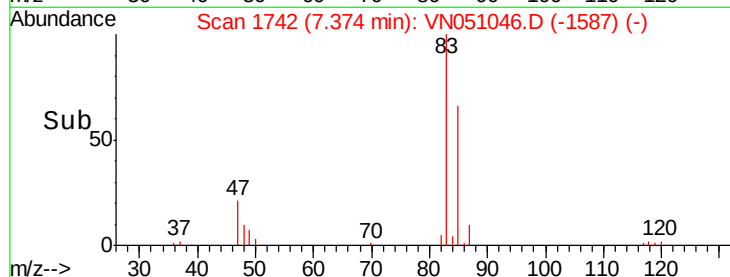
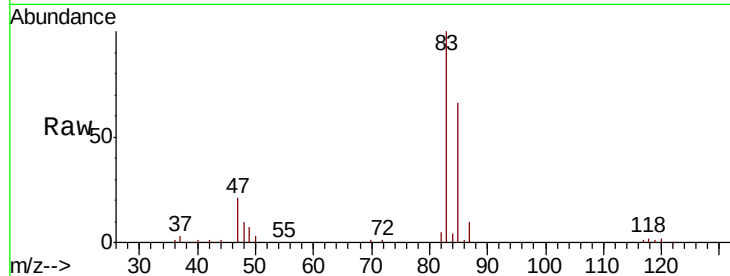
#25
Chloroform
Concen: 17.97 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion: 83 Resp: 261257
Ion Ratio Lower Upper
83 100
85 65.6 51.4 77.0

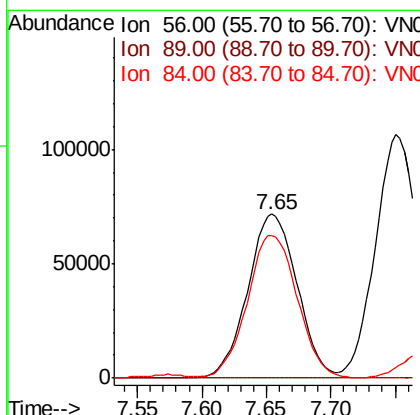
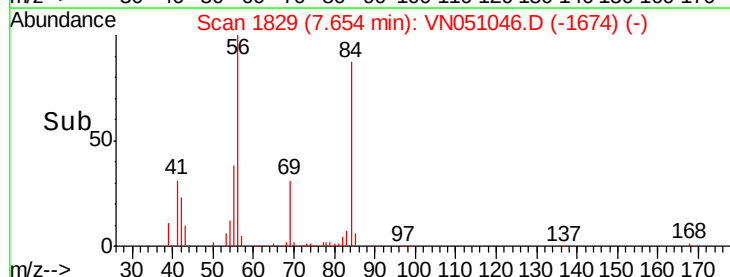
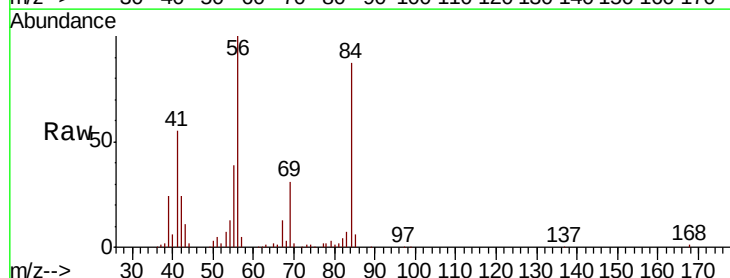
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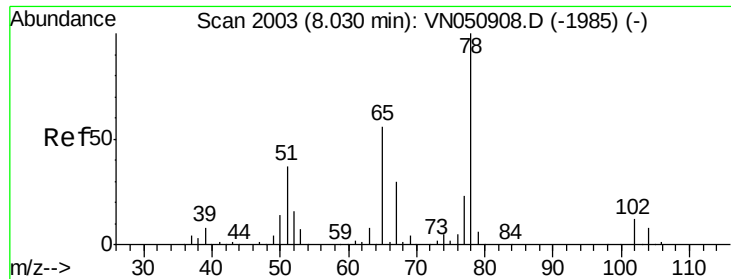
MMDadoda
9/10/2018 11:53:13 AM



#26
Cyclohexane
Concen: 15.86 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion: 56 Resp: 191426
Ion Ratio Lower Upper
56 100
89 0.2 0.4 0.6#
84 88.3 70.4 105.6





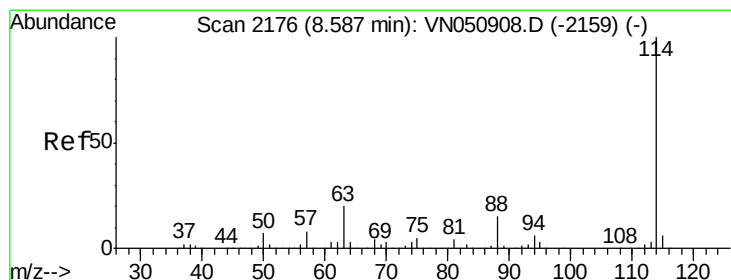
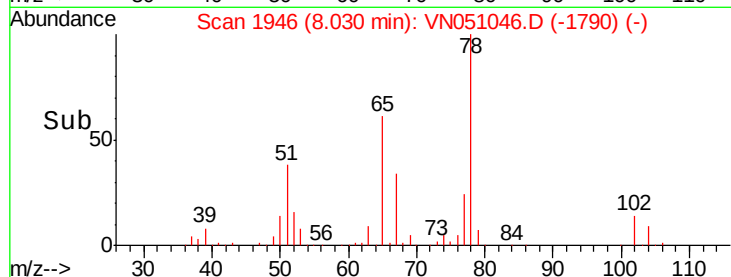
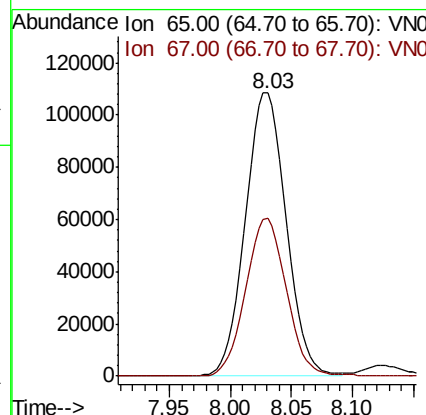
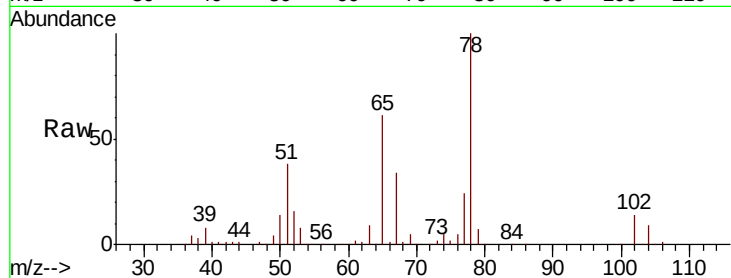
#27
 1,2-Dichloroethane-d4
 Concen: 29.25 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion: 65 Resp: 251269
 Ion Ratio Lower Upper
 65 100
 67 55.5 43.7 65.5

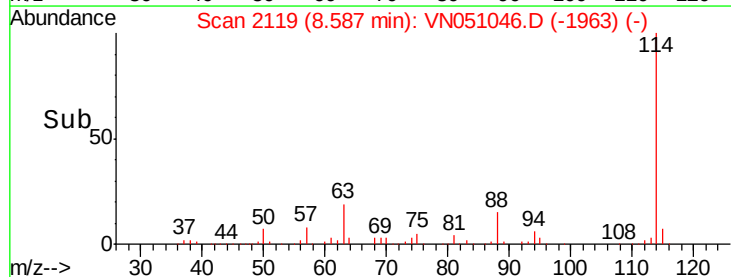
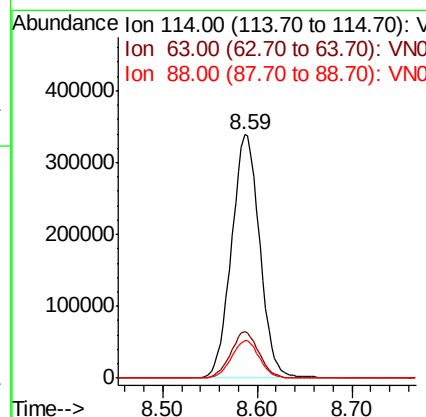
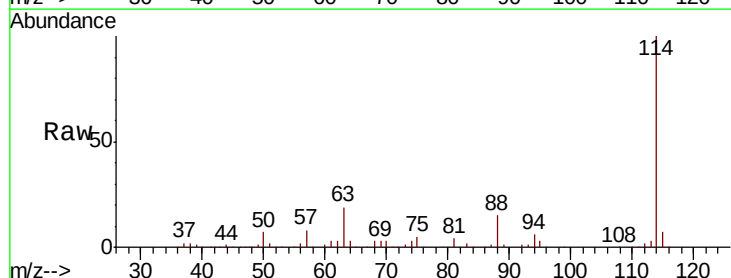
Manual Integrations
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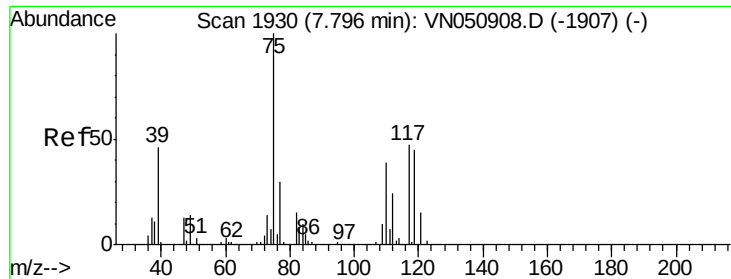
MMDadoda
 9/10/2018 11:53:13 AM



#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion: 114 Resp: 704159
 Ion Ratio Lower Upper
 114 100
 63 19.0 15.6 23.4
 88 15.3 12.2 18.4





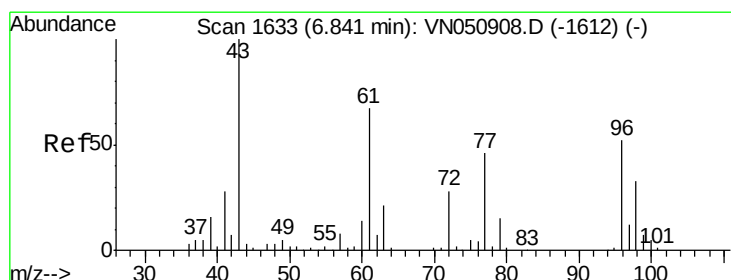
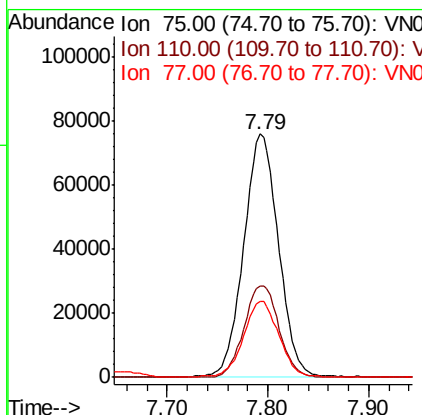
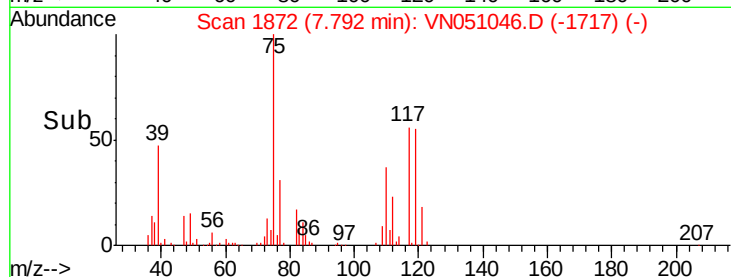
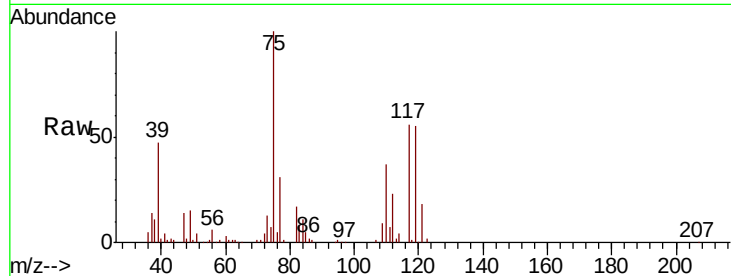
#29
 1,1-Dichloropropene
 Concen: 17.24 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
110	37.7	0.0	75.0
77	31.1	0.0	60.6

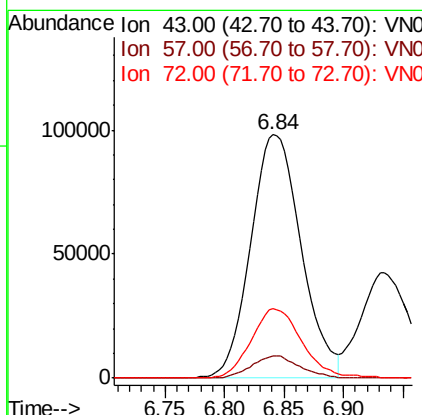
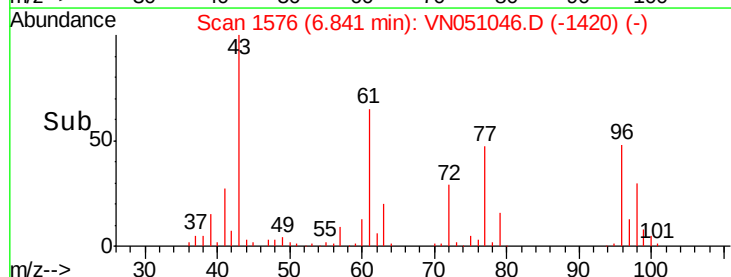
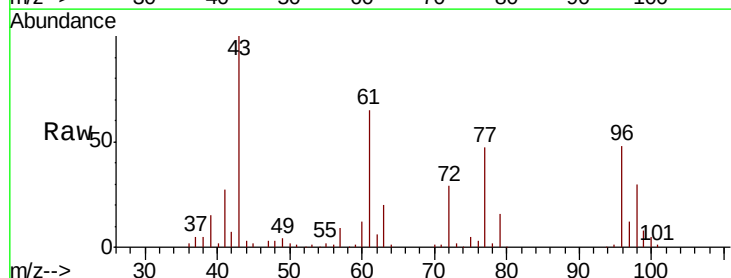
Manual Integrations
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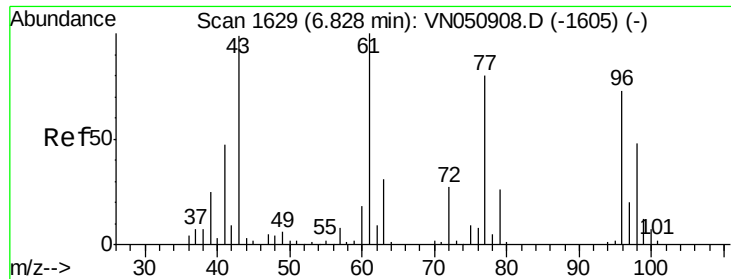
MMDadoda
 9/10/2018 11:53:13 AM



#30
 2-Butanone
 Concen: 88.81 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.7	6.9	10.3
72	28.7	22.8	34.2





#31

2,2-Dichloropropane

Concen: 18.05 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 77 Resp: 185185

Ion Ratio Lower Upper

77 100

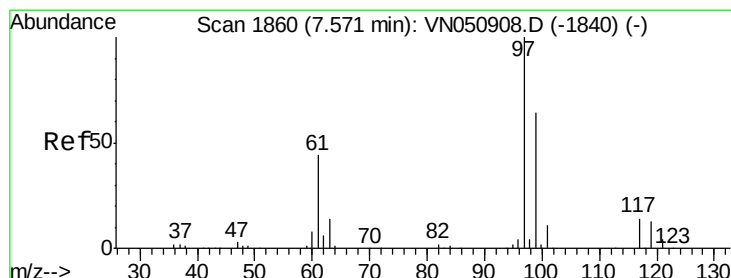
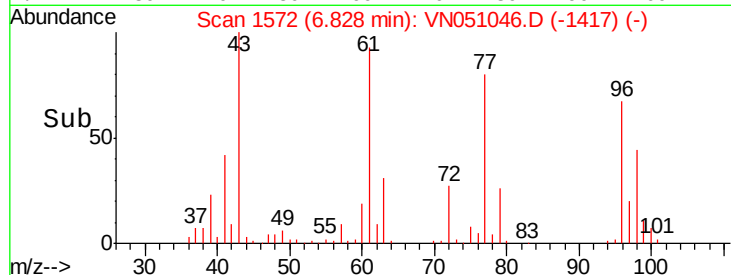
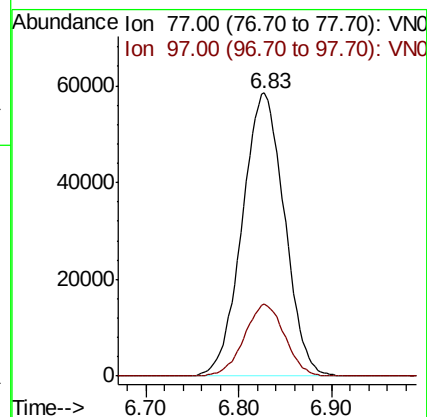
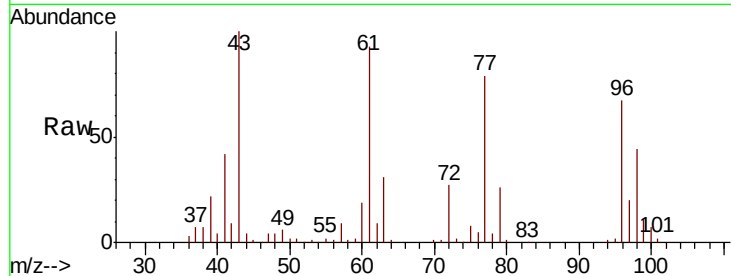
97 24.3 20.2 30.2

Manual Integrations

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MMDadoda

9/10/2018 11:53:13 AM



#32

1,1,1-Trichloroethane

Concen: 18.39 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

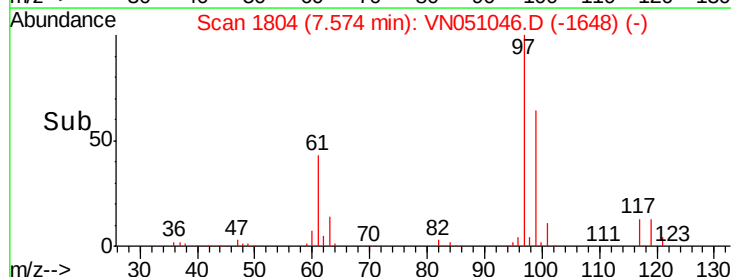
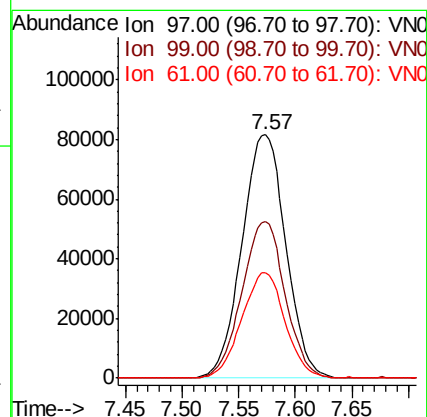
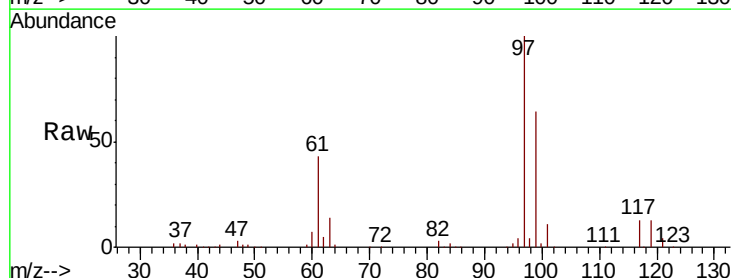
Tgt Ion: 97 Resp: 219846

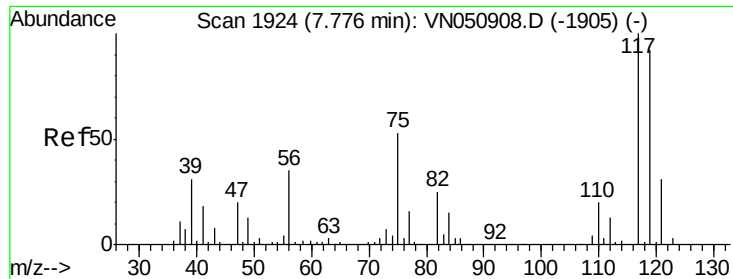
Ion Ratio Lower Upper

97 100

99 63.4 52.0 78.0

61 42.8 35.0 52.6





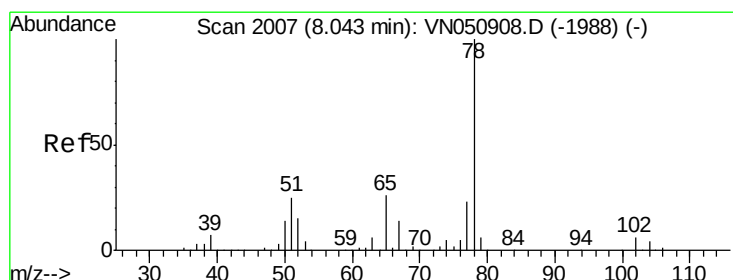
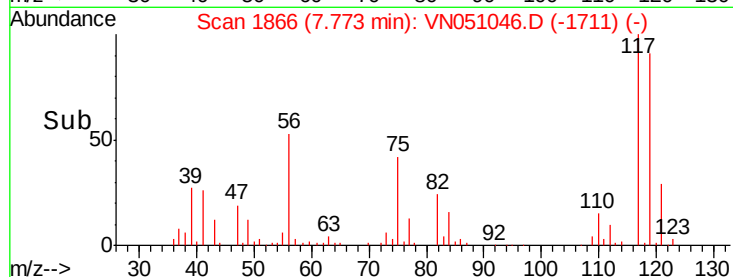
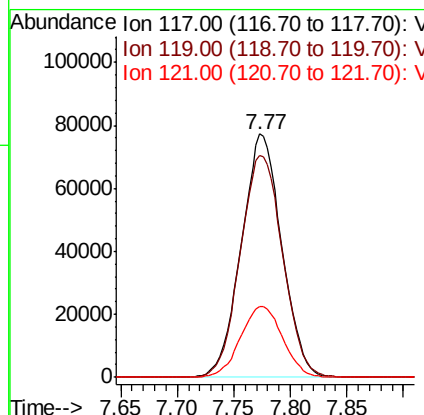
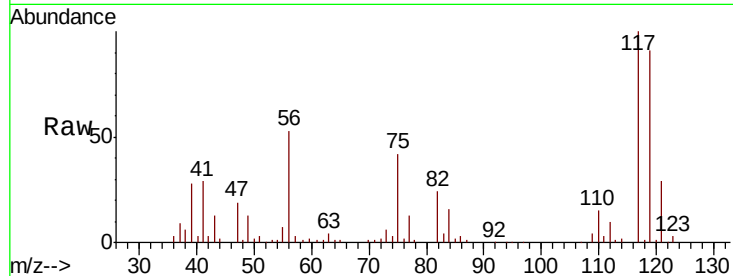
#33
Carbon Tetrachloride
Concen: 17.83 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
119	91.4	73.5	110.3
121	29.2	24.6	37.0

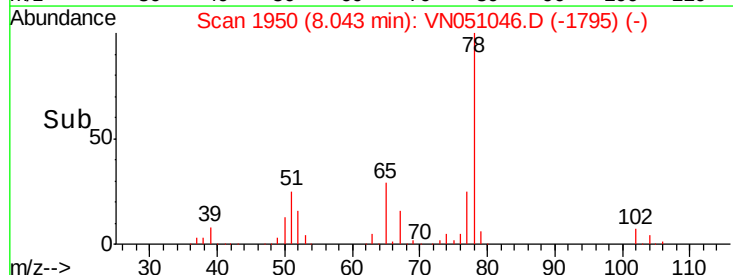
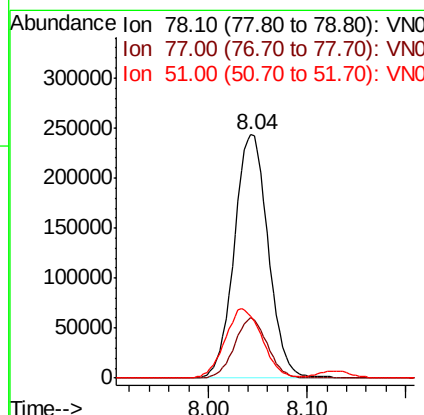
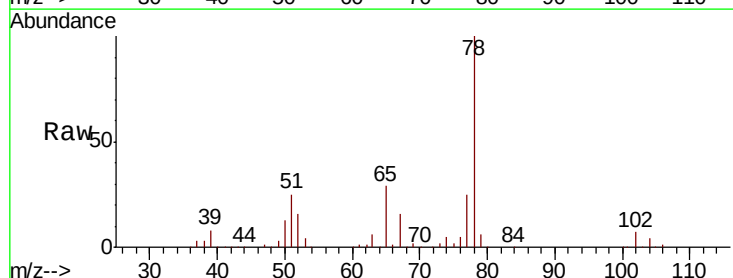
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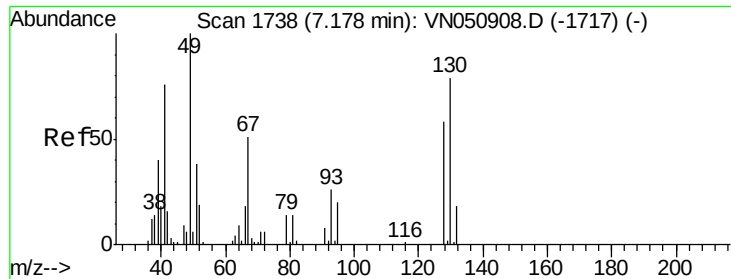
MMDadoda
9/10/2018 11:53:13 AM



#34
Benzene
Concen: 17.83 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	18.6	28.0
51	25.2	20.0	30.0





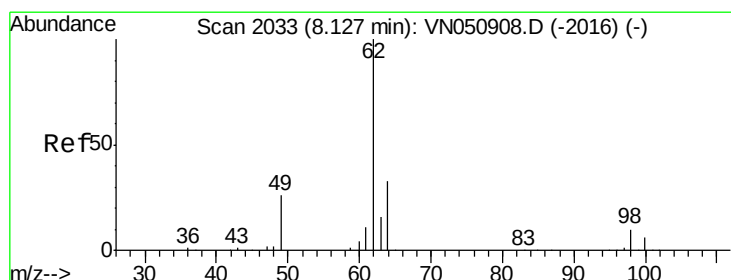
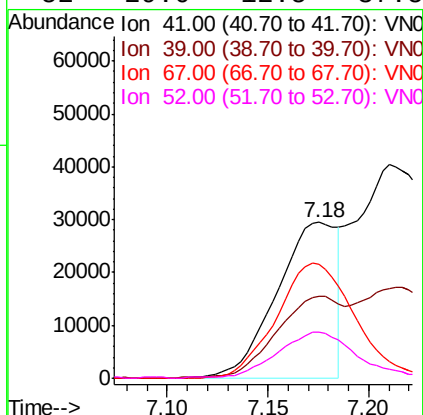
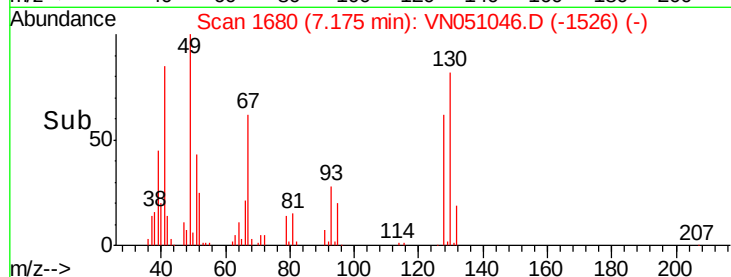
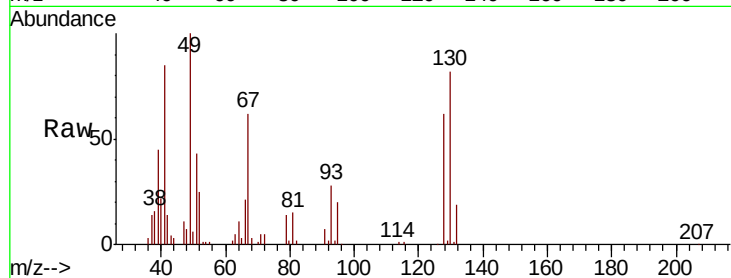
#35
Methacrylonitrile
Concen: 17.24 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	26.2	78.5
67	73.1	33.9	101.6
52	29.0	12.5	37.5

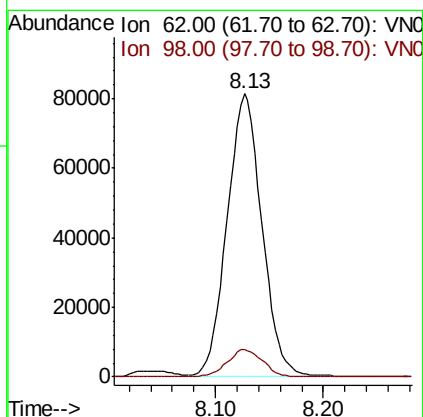
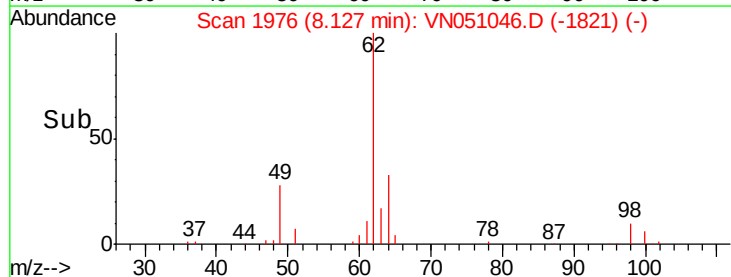
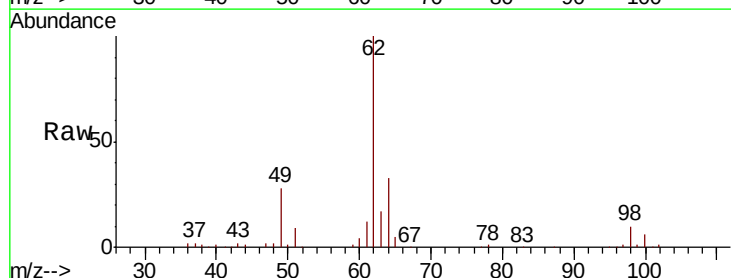
Manual Integrations
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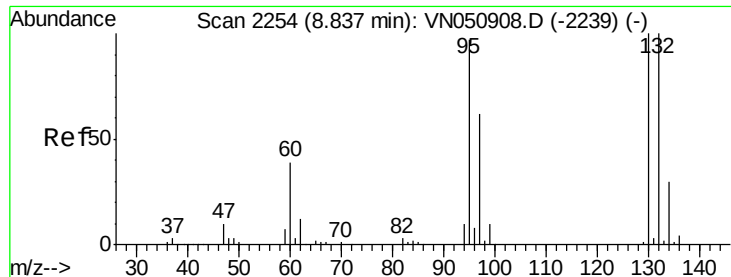
MMDadoda
9/10/2018 11:53:13 AM



#36
1,2-Dichloroethane
Concen: 18.45 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	8.0	12.0





#37

Trichloroethene

Concen: 17.61 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion:130 Resp: 150094

Ion Ratio Lower Upper

130 100

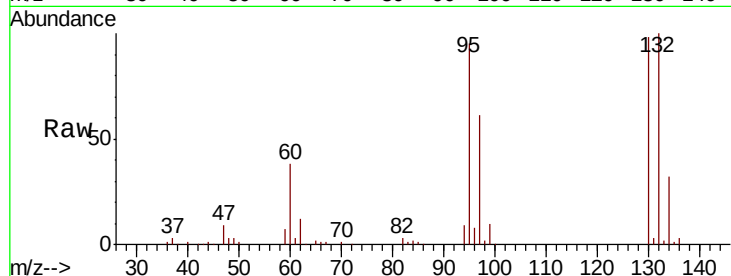
95 96.1 77.4 116.0

Manual Integrations

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9/10/2018 11:53:13 AM



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

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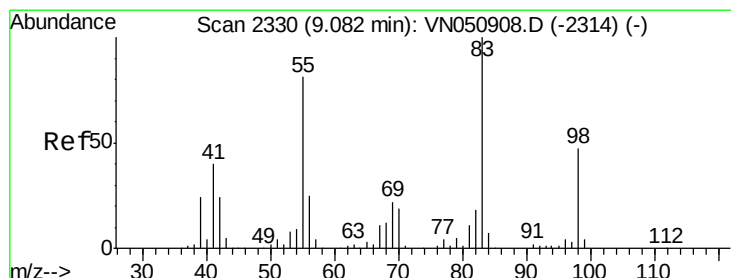
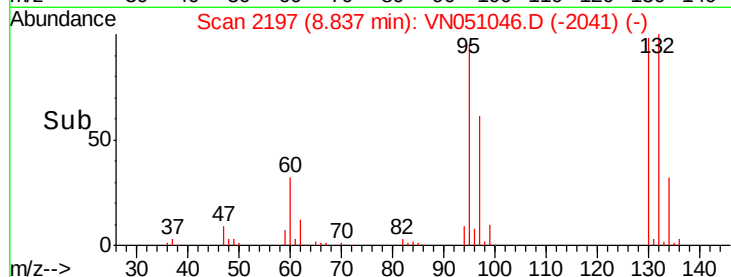
8.84

8.84

8.84

8.84

8.84



#38

Methylcyclohexane

Concen: 15.77 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

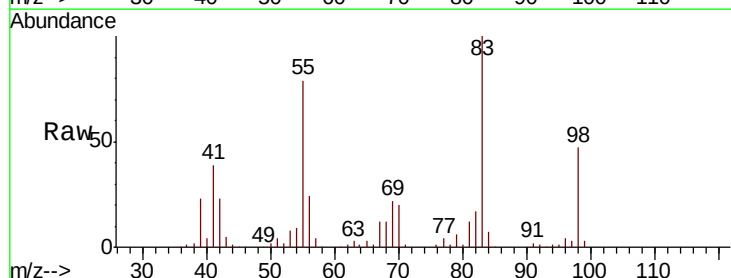
Tgt Ion: 83 Resp: 178581

Ion Ratio Lower Upper

83 100

55 79.2 38.9 116.7

98 47.0 22.9 68.7



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

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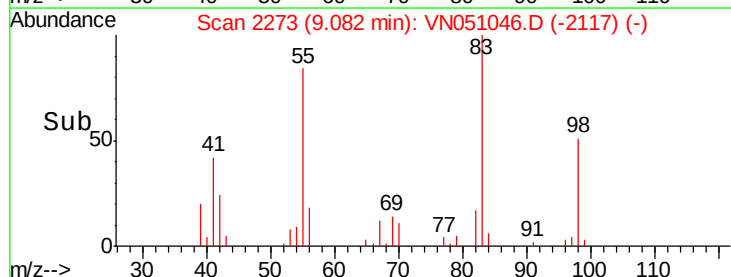
9.08

9.08

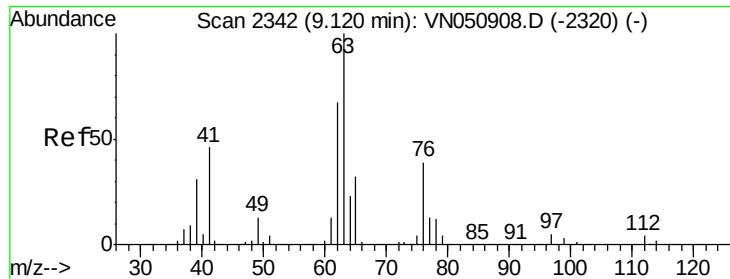
9.08

9.08

9.08



Time-->



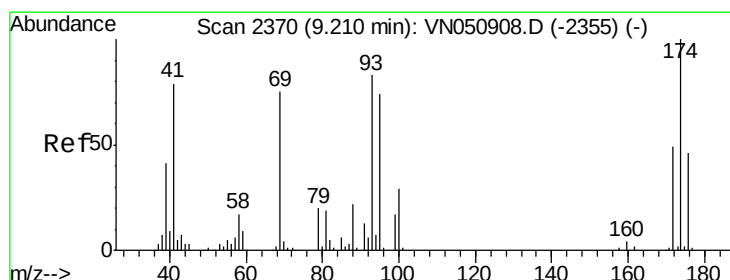
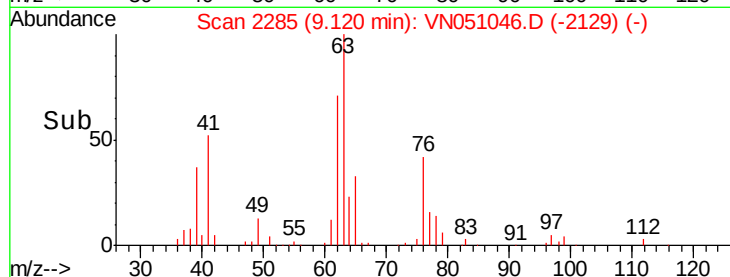
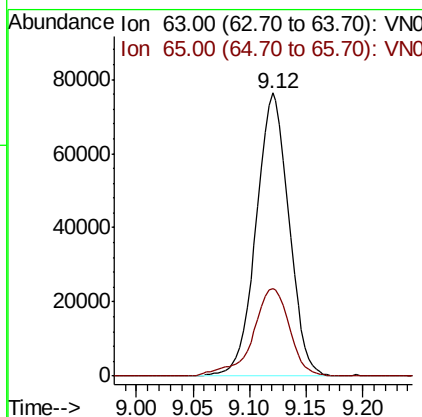
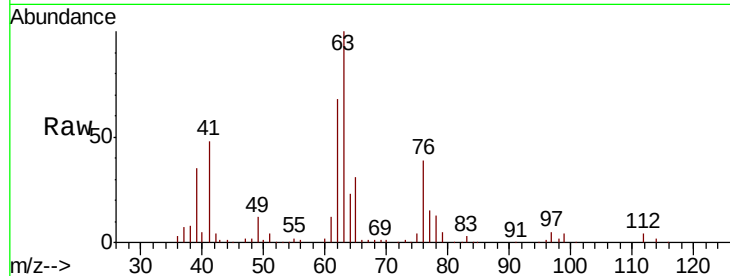
#39
 1,2-Dichloropropane
 Concen: 18.09 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.6	38.4

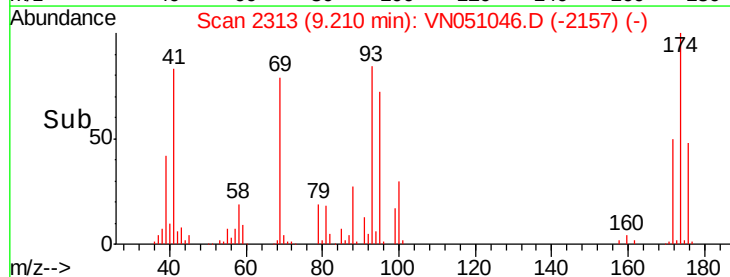
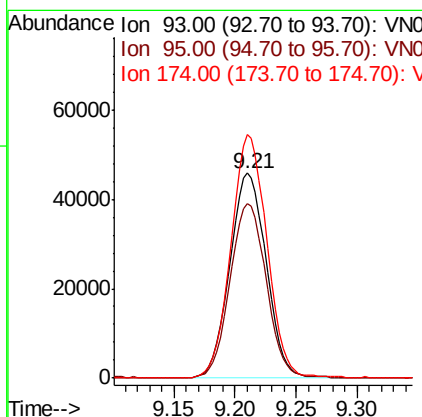
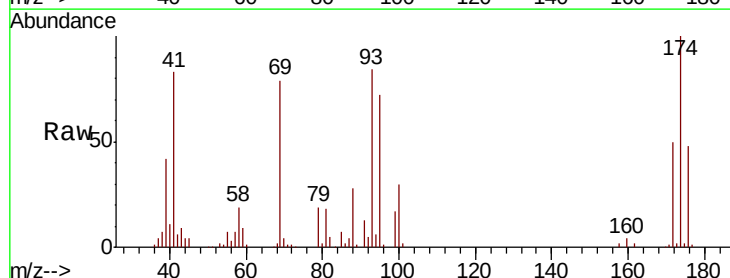
Manual Integrations
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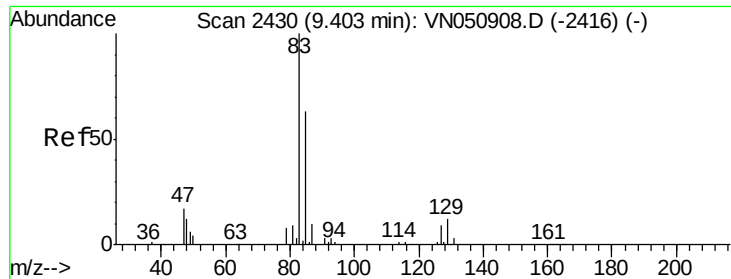
MMDadoda
 9/10/2018 11:53:13 AM



#40
 Dibromomethane
 Concen: 18.58 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	0.0	173.4
174	116.8	0.0	234.8





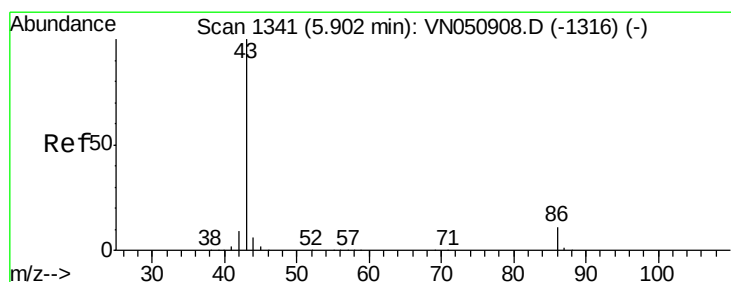
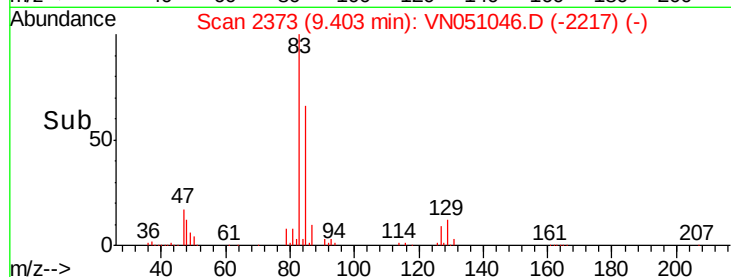
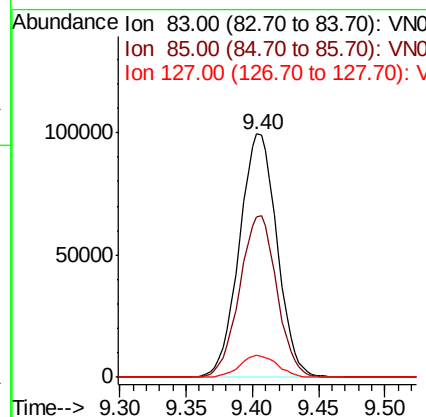
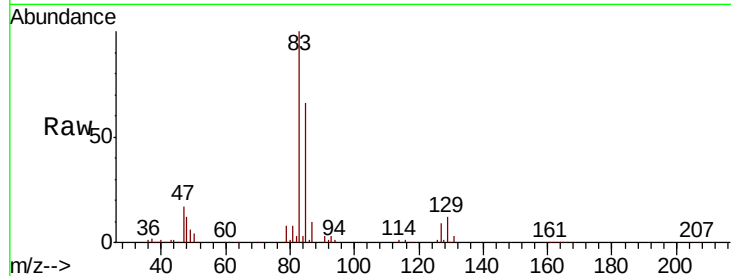
#41
 Bromodichloromethane
 Concen: 18.19 ug/l
 RT: 9.40 min Scan# 2373
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	83	Resp	196706
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	50.6	76.0
127	8.9	7.1	10.7

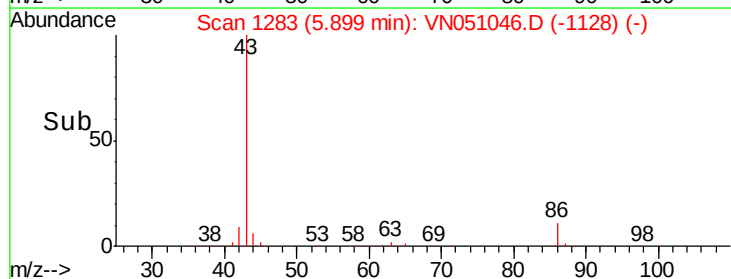
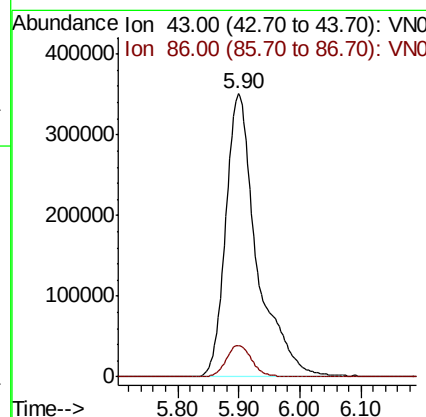
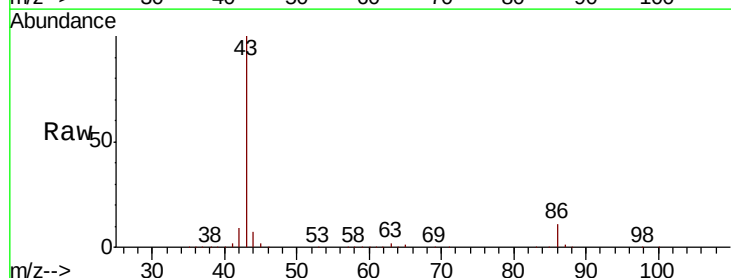
Manual Integrations
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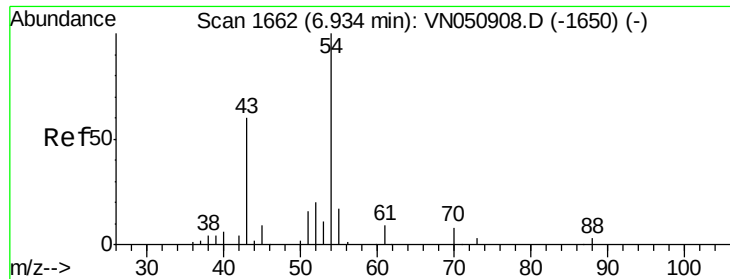
MMDadoda
 9/10/2018 11:53:13 AM



#42
 Vinyl Acetate
 Concen: 83.30 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	43	Resp	1244247
Ion Ratio	100	Lower	Upper
43	100		
86	9.2	7.2	10.8





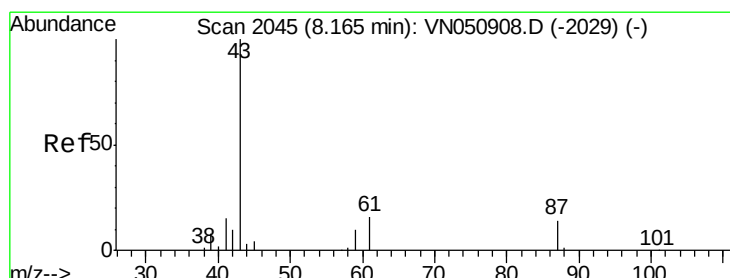
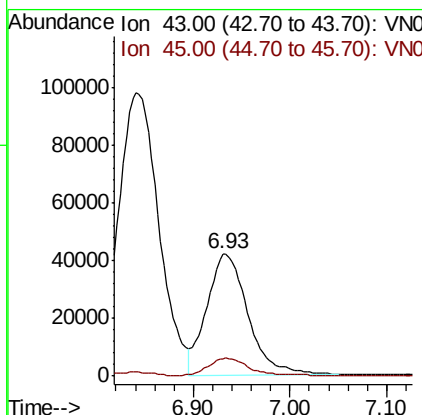
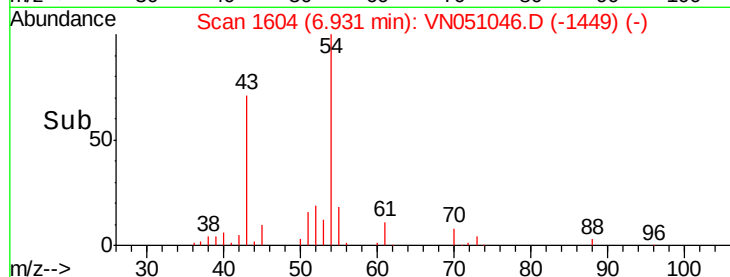
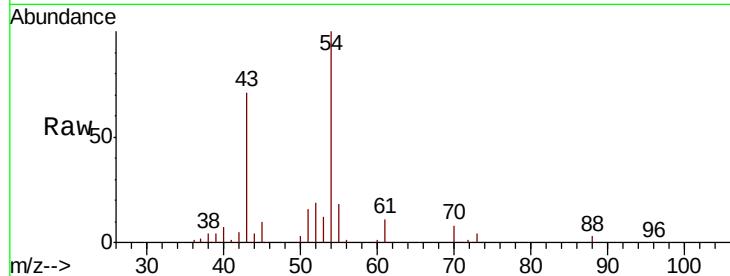
#43
Ethyl Acetate
Concen: 18.79 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion: 43 Resp: 124847
Ion Ratio Lower Upper
43 100
45 12.6 10.2 15.2

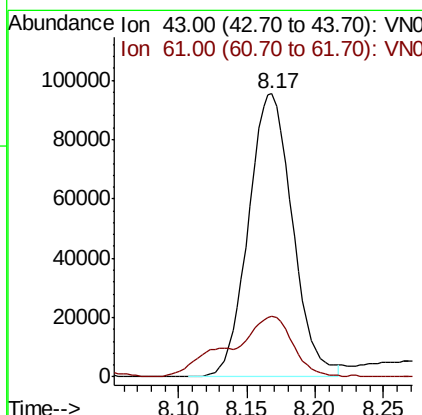
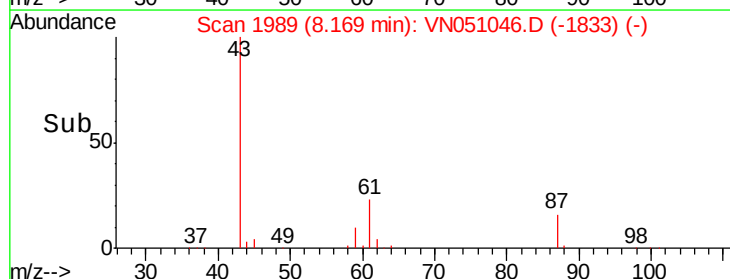
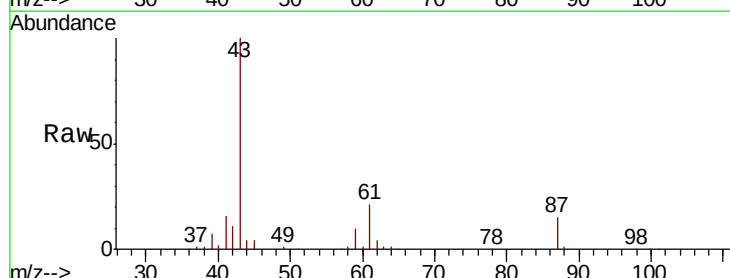
Manual Integrations
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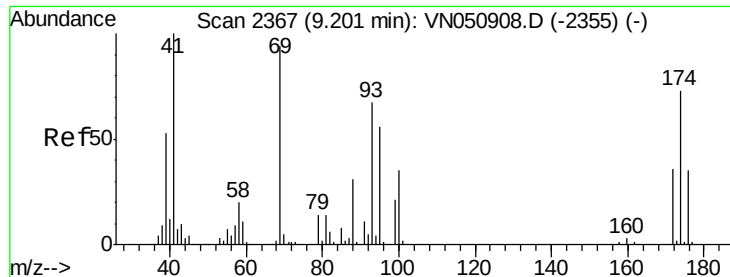
MMDadoda
9/10/2018 11:53:13 AM



#44
Isopropyl Acetate
Concen: 18.15 ug/l
RT: 8.17 min Scan# 1989
Delta R.T. 0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion: 43 Resp: 212745
Ion Ratio Lower Upper
43 100
61 20.5 16.3 24.5





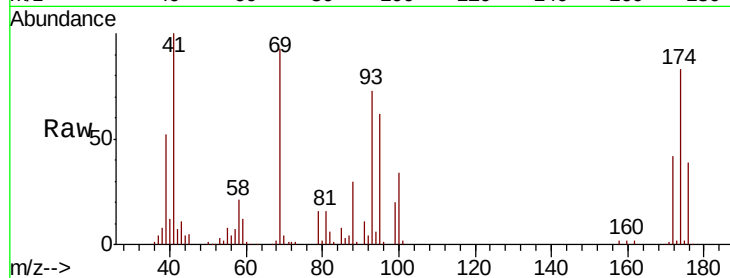
#45
 1,4-Dioxane
 Concen: 405.98 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	23.5	35.3
58	69.4	55.2	82.8

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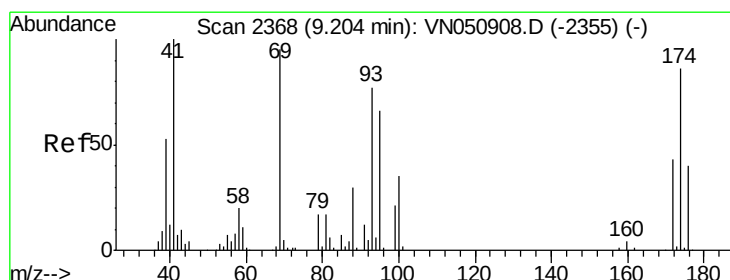
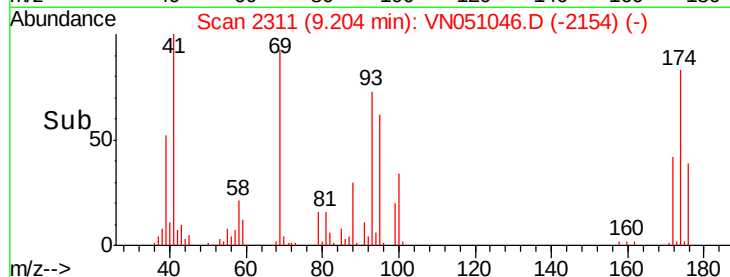
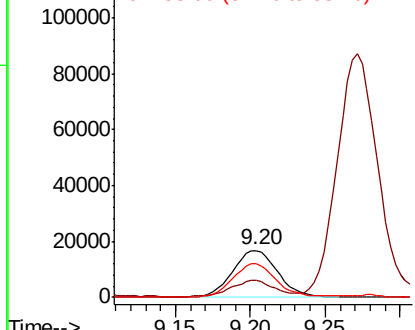


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#46
 Methyl methacrylate
 Concen: 18.04 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

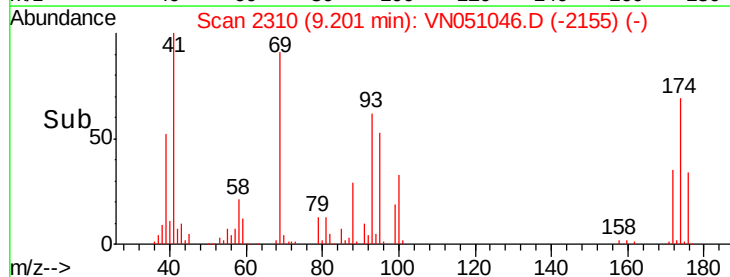
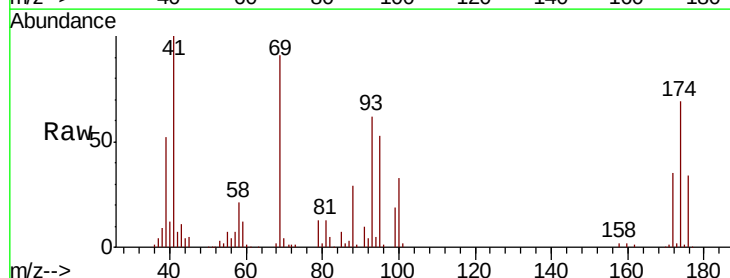
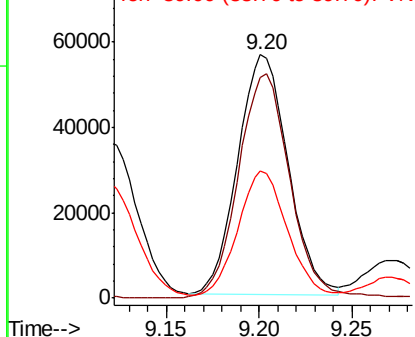
Tgt Ion	Ratio	Lower	Upper
41	100		
69	91.8	47.4	142.2
39	51.8	26.6	79.7

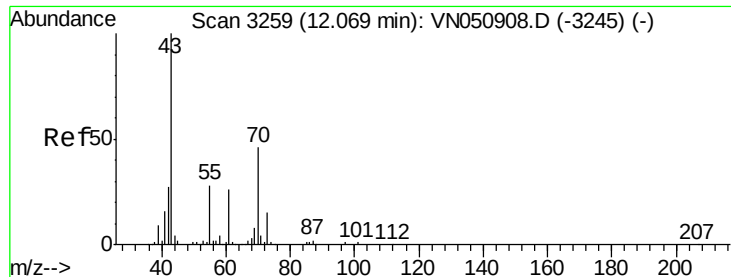
Abundance

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





#47

n-amvl Acetate

Concen: 17.60 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampled :

VN0907WBSD01

Tot Ion: 43 Resp: 165907

Ion Ratio Lower Upper

43 100

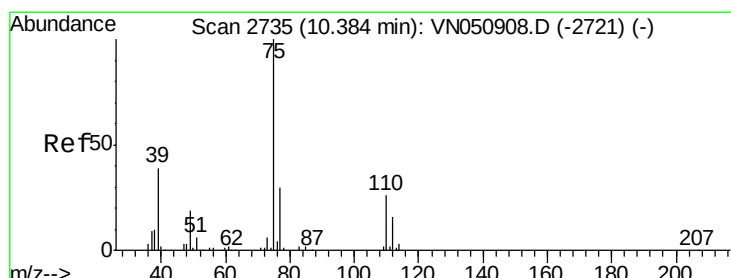
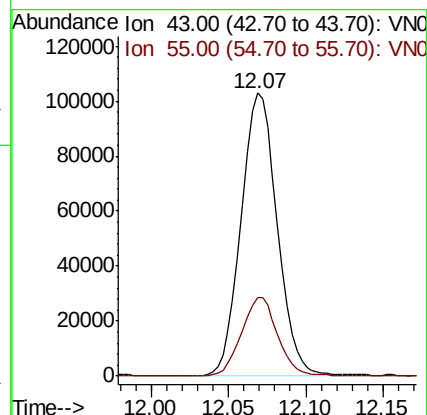
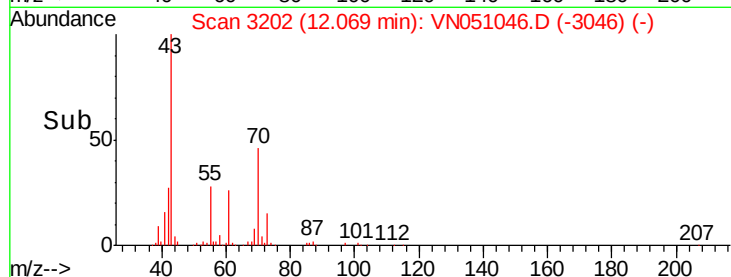
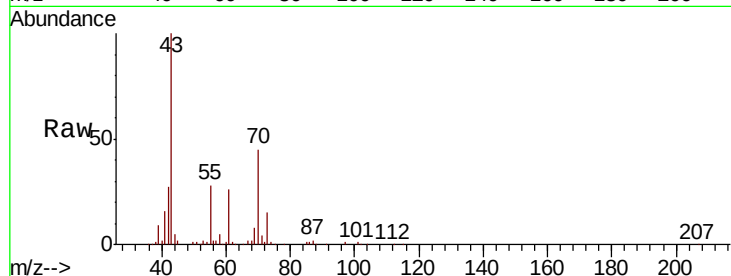
55 28.0 23.0 34.4

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 17.61 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VN051046.D

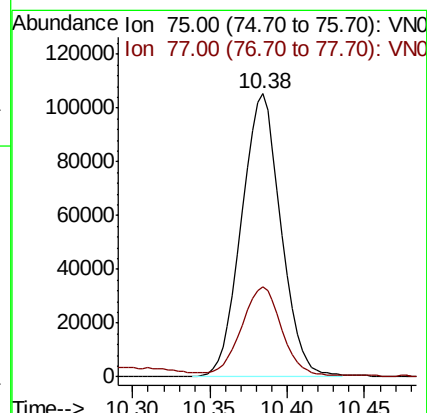
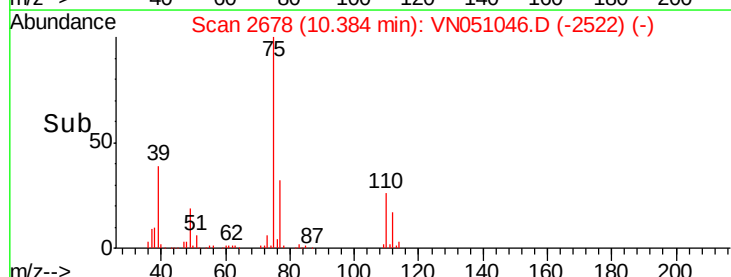
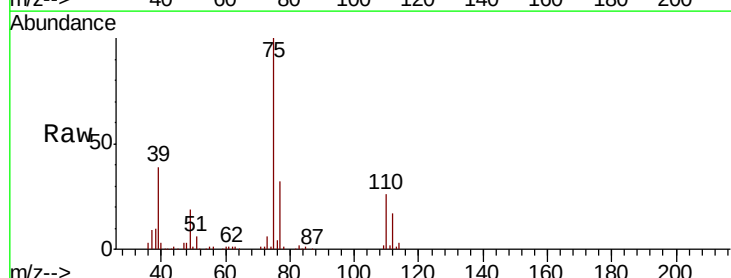
Acq: 7 Sep 2018 10:50

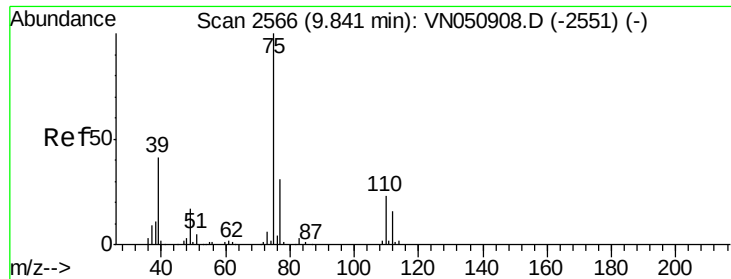
Tgt Ion: 75 Resp: 186660

Ion Ratio Lower Upper

75 100

77 31.0 24.8 37.2





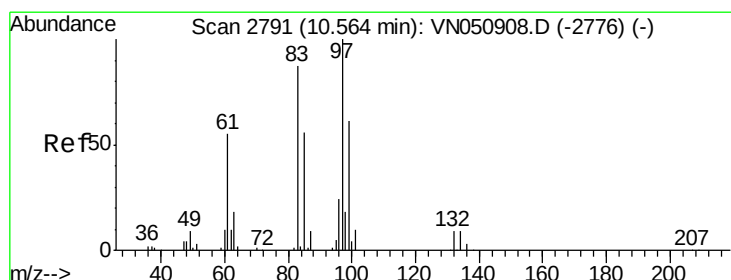
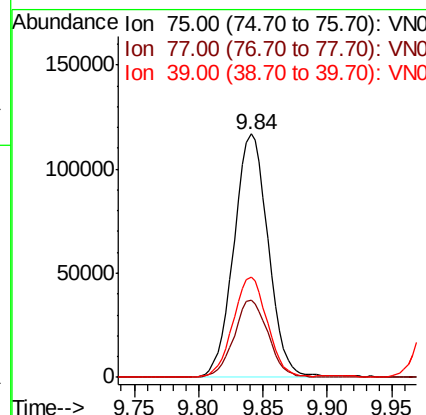
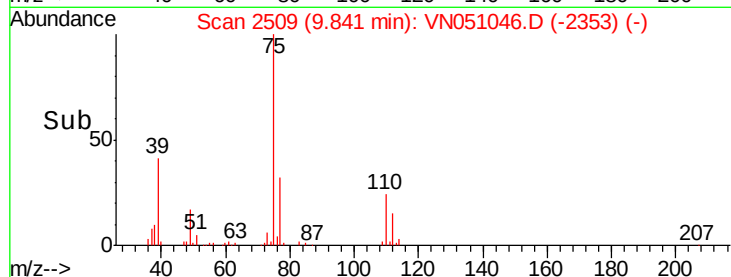
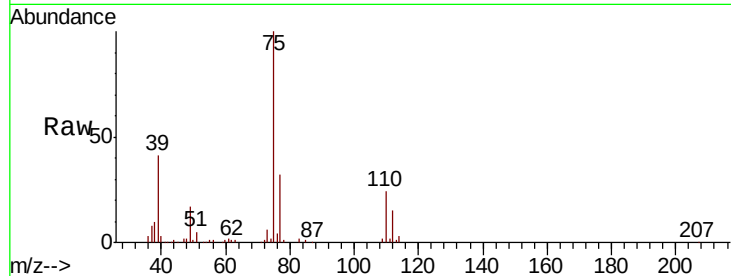
#49
 cis-1,3-Dichloropropene
 Concen: 17.81 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.0	37.4
39	40.9	32.9	49.3

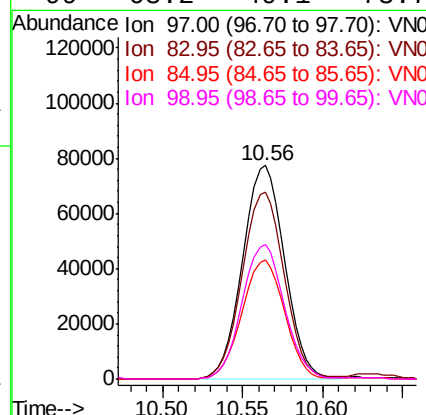
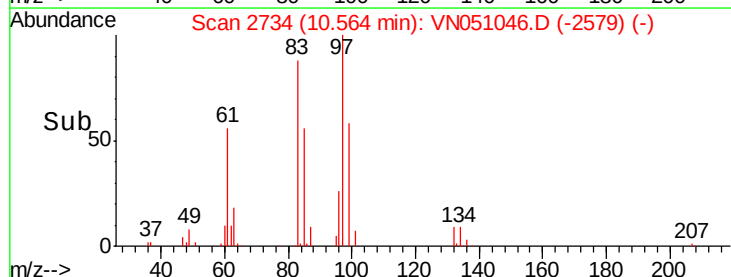
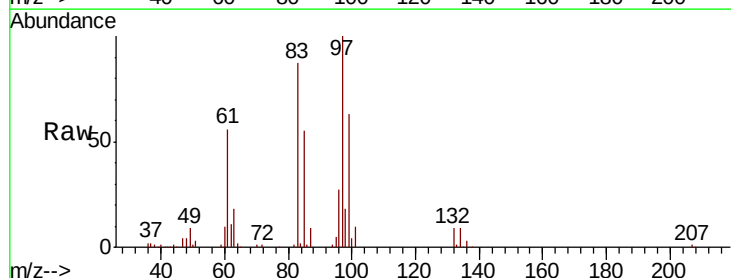
Manual Integrations
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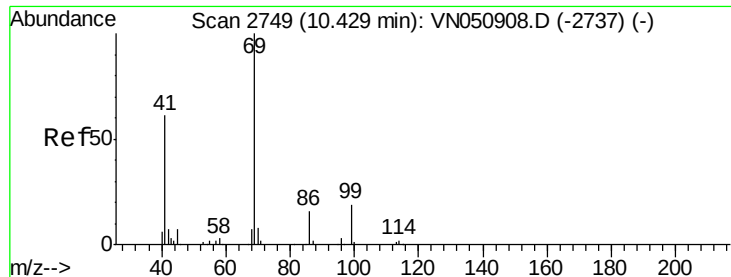
MMDadoda
 9/10/2018 11:53:13 AM



#50
 1,1,2-Trichloroethane
 Concen: 18.65 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.6
85	55.5	45.0	67.6
99	63.2	49.1	73.7





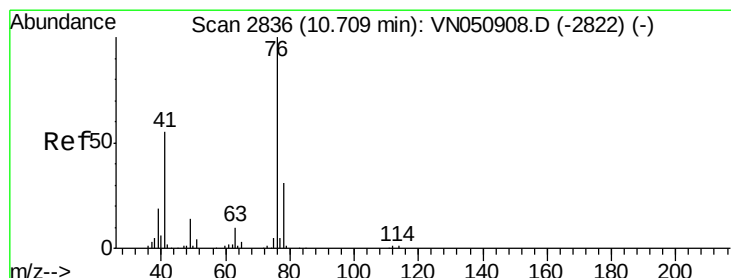
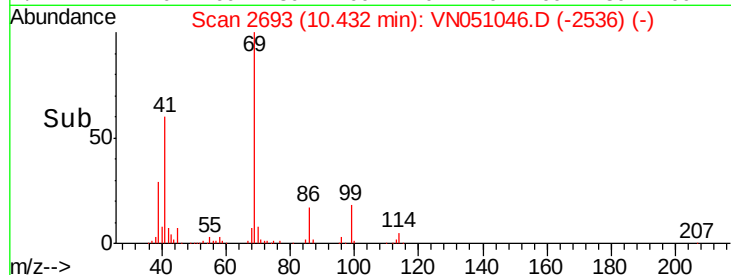
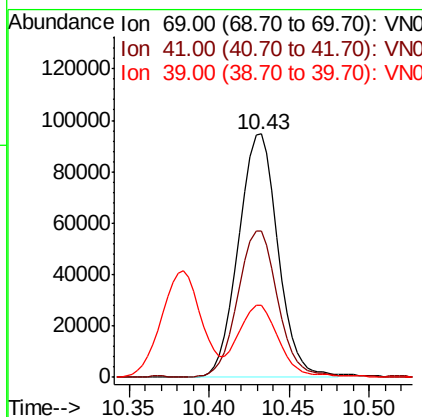
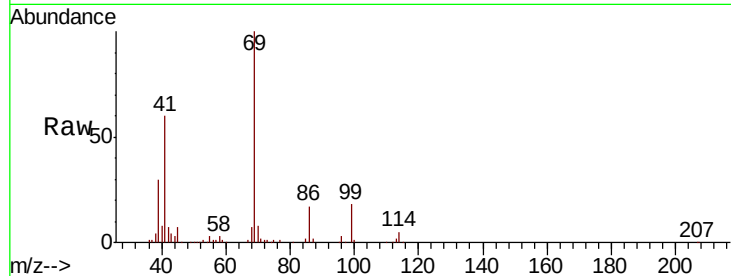
#51
Ethyl methacrylate
Concen: 17.47 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
69	100		
41	59.8	30.5	91.5
39	28.9	15.3	45.8

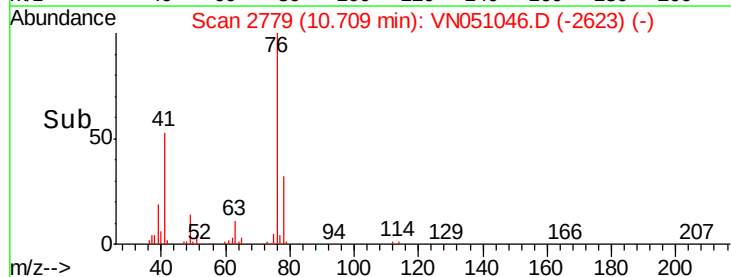
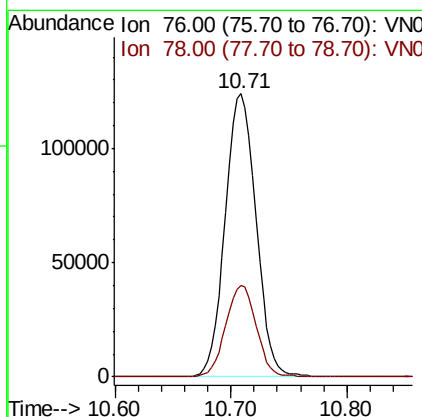
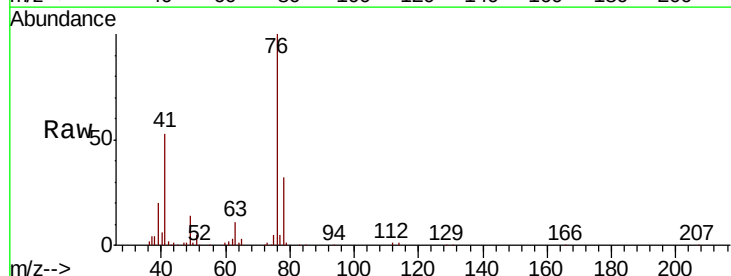
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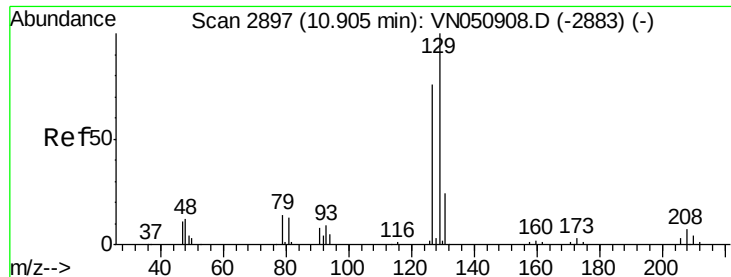
MMDadoda
9/10/2018 11:53:13 AM



#52
1,3-Dichloropropane
Concen: 18.48 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
76	100		
78	32.1	0.0	63.4





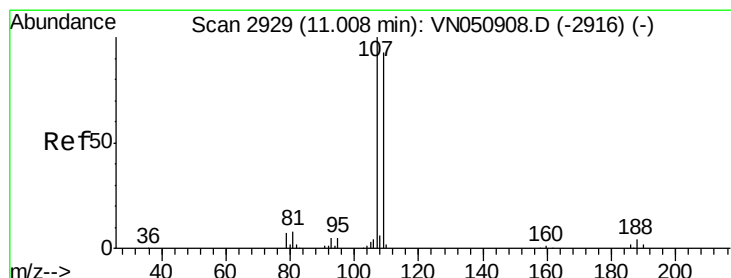
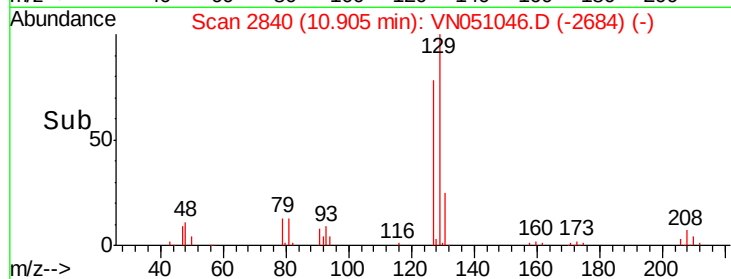
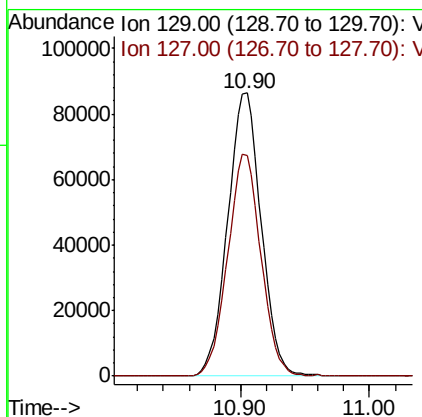
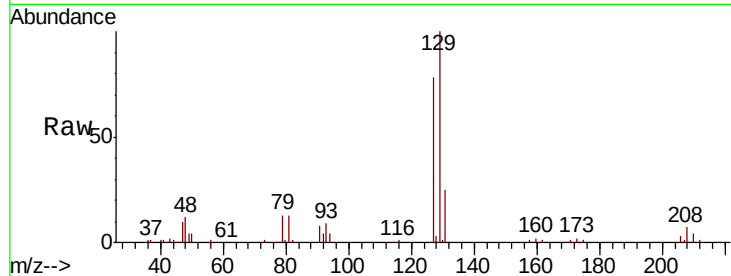
#53
Dibromochloromethane
Concen: 18.40 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.7	39.0	116.9

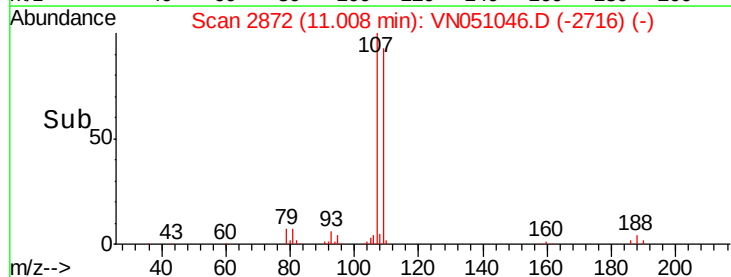
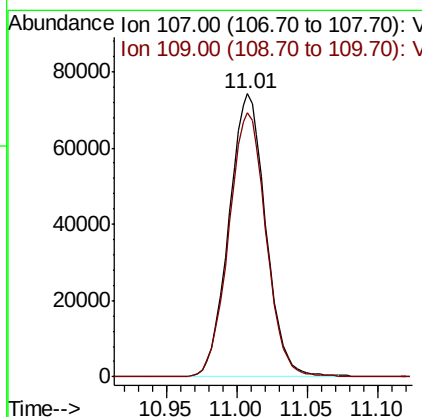
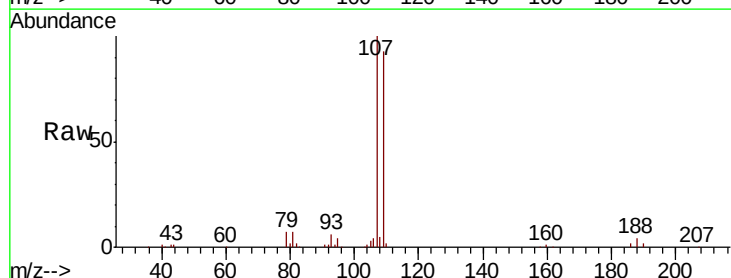
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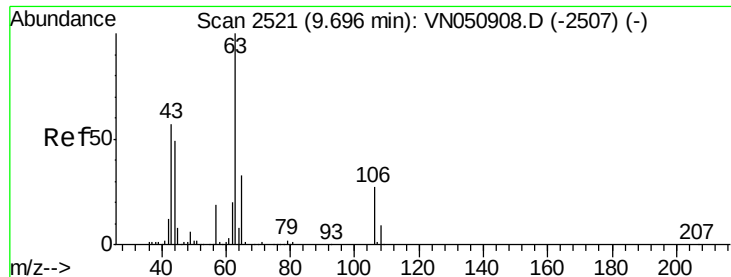
MMDadoda
9/10/2018 11:53:13 AM



#54
1,2-Dibromoethane
Concen: 18.40 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.4	111.6





#55

2-Chloroethyl vinyl ether

Concen: 77.69 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

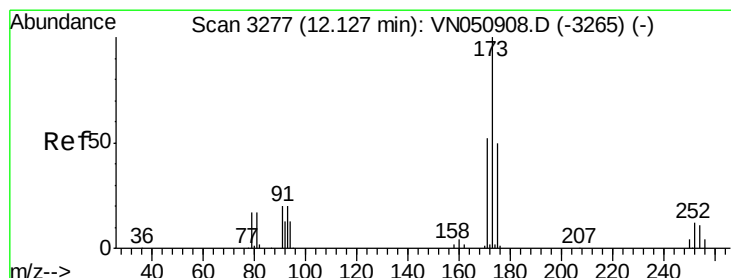
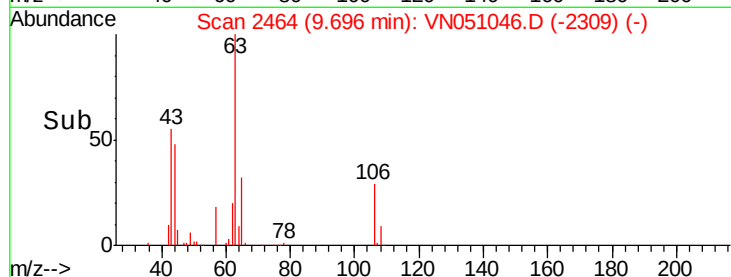
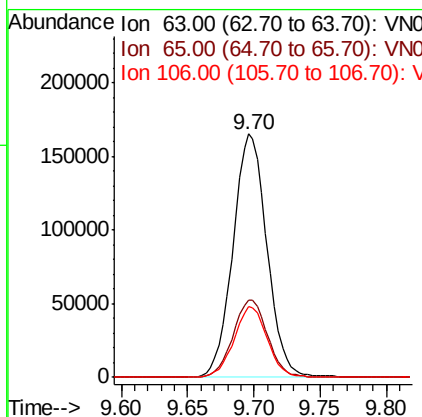
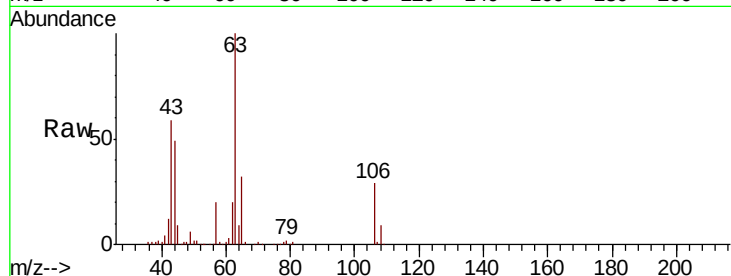
ClientSampleId :

VN0907WBSD01

Tot Ion:	63	Resp:	294857
Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2
106	28.5	22.0	33.0

Manual Integrations
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9/10/2018 11:53:13 AM



#56

Bromoform

Concen: 18.54 ug/l

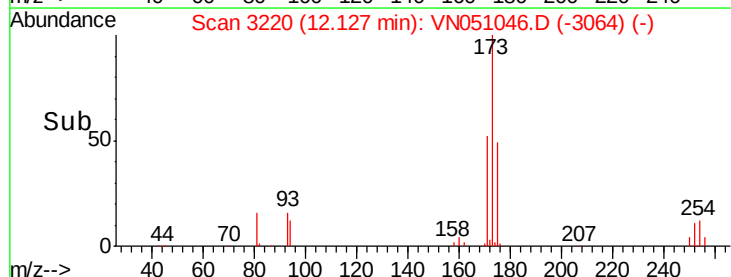
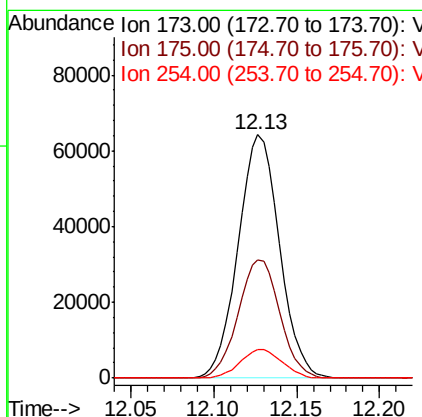
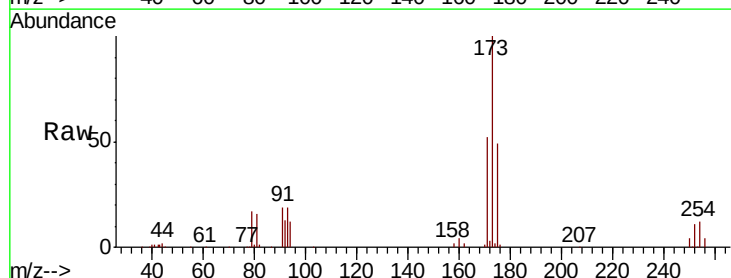
RT: 12.13 min Scan# 3220

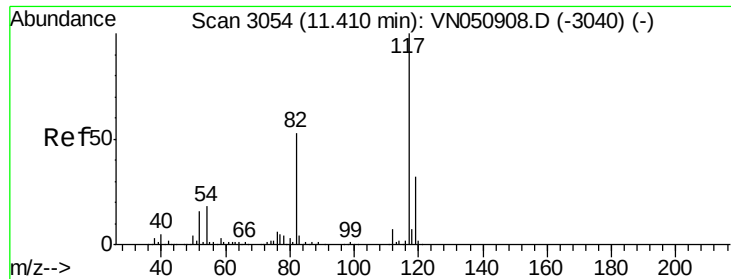
Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Tgt Ion:	173	Resp:	111750
Ion	Ratio	Lower	Upper
173	100		
175	48.9	39.2	58.8
254	11.9	9.0	13.6





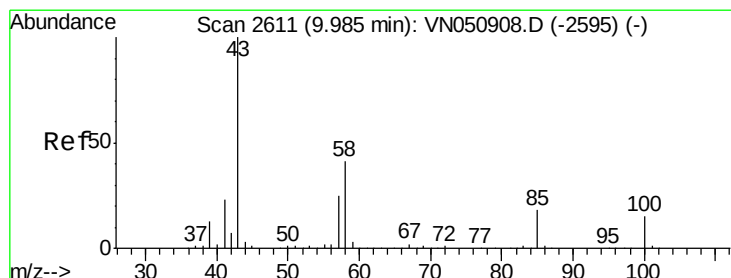
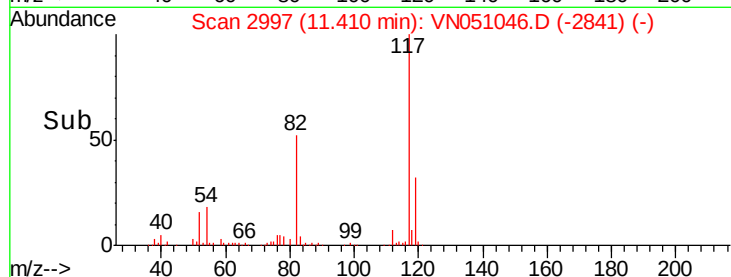
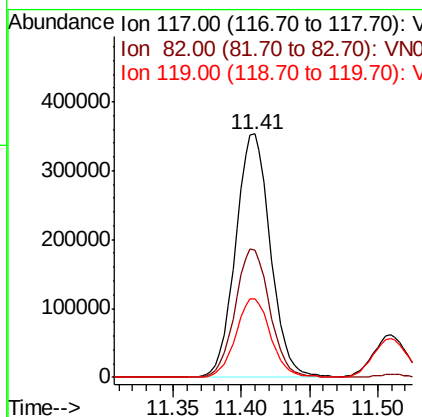
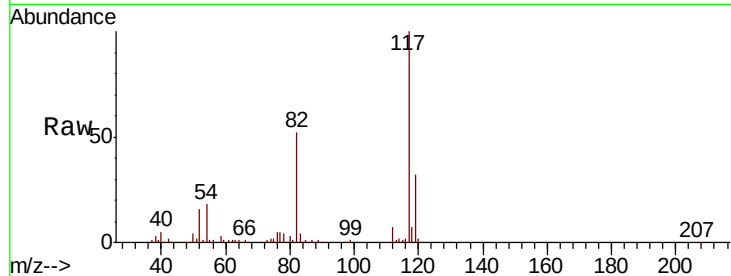
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.6	64.0
119	32.3	25.7	38.5

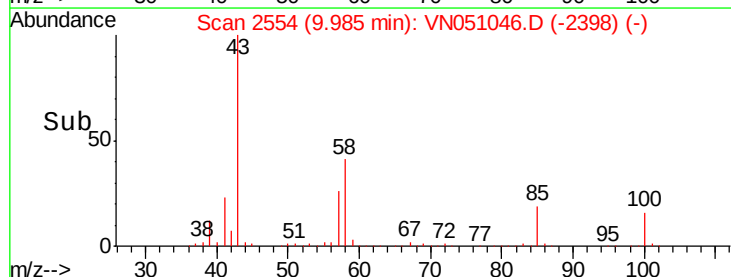
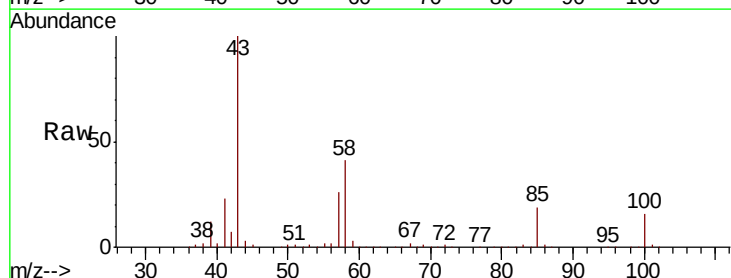
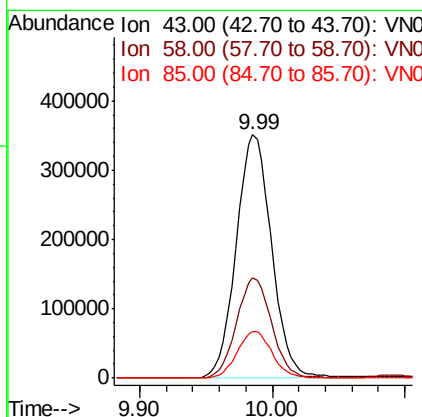
Manual Integrations
APPROVED

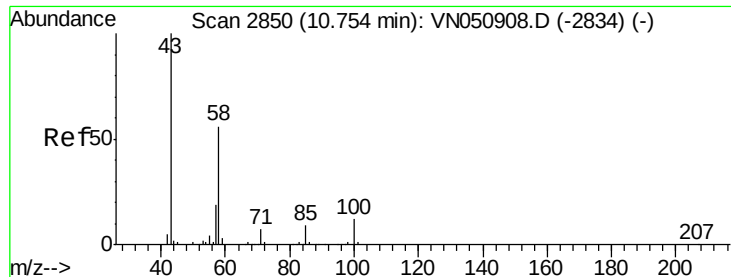
MMDadoda
9/10/2018 11:53:13 AM



#58
4-Methyl-2-Pentanone
Concen: 90.74 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.3	48.5
85	19.0	14.9	22.3





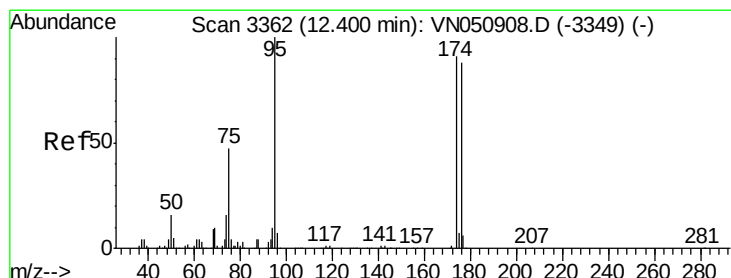
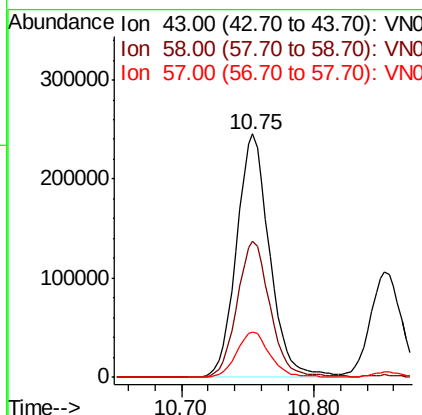
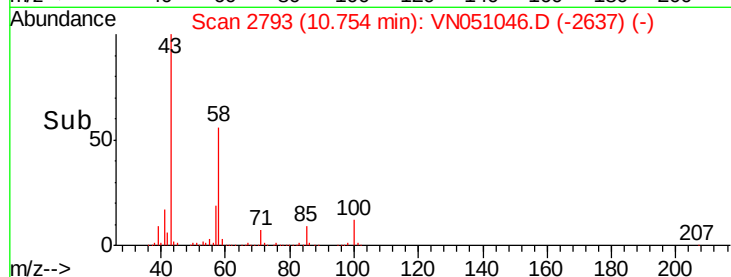
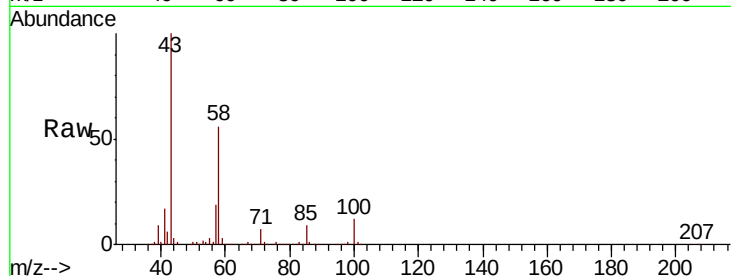
#59
2-Hexanone
Concen: 90.73 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.2	45.5	68.3
57	18.9	15.2	22.8

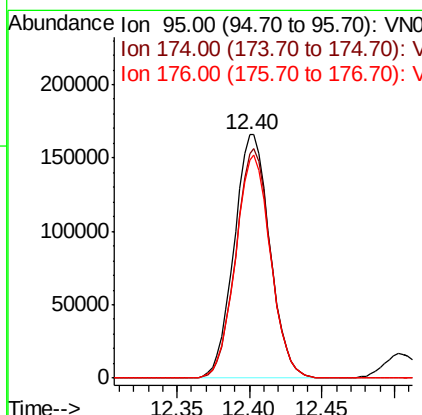
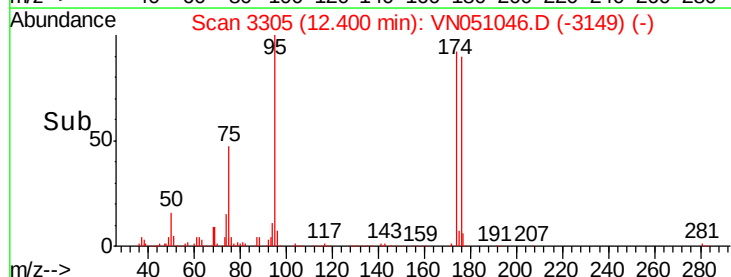
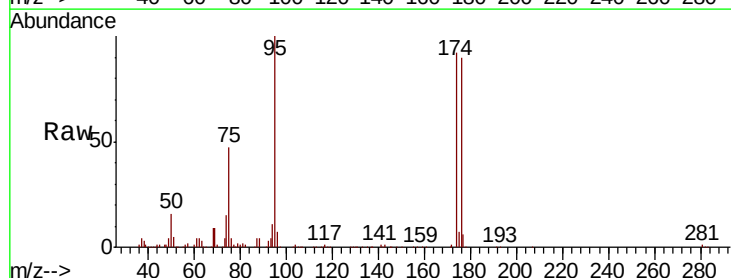
Manual Integrations
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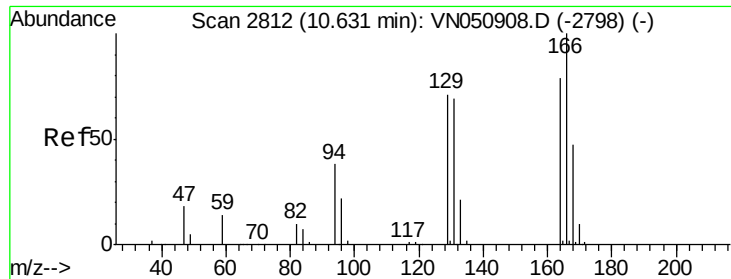
MMDadoda
9/10/2018 11:53:13 AM



#60
4-Bromofluorobenzene
Concen: 30.51 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	74.6	112.0
176	89.8	71.5	107.3





#61

Tetrachloroethene

Concen: 18.07 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

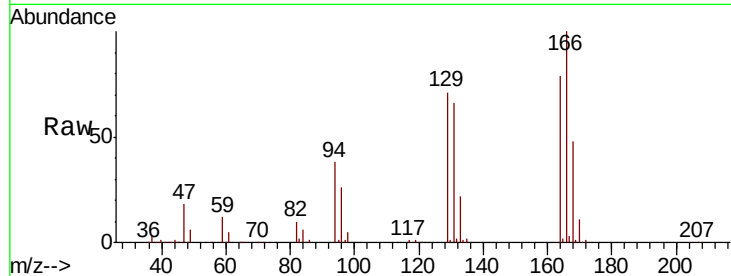
ClientSampleId :

VN0907WBSD01

Tot Ion	164	Resp	140913
Ion Ratio	Lower	Upper	
164	100		
166	127.0	100.6	151.0
129	90.4	71.0	106.6
131	84.1	69.3	103.9

Manual Integrations
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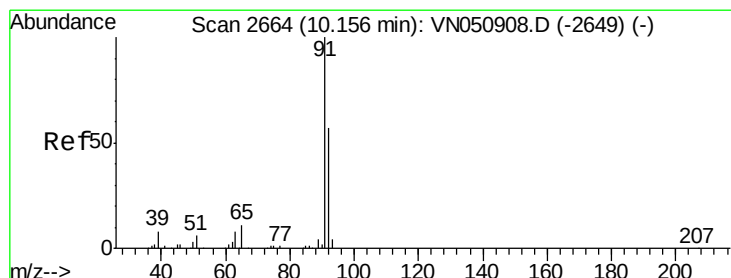
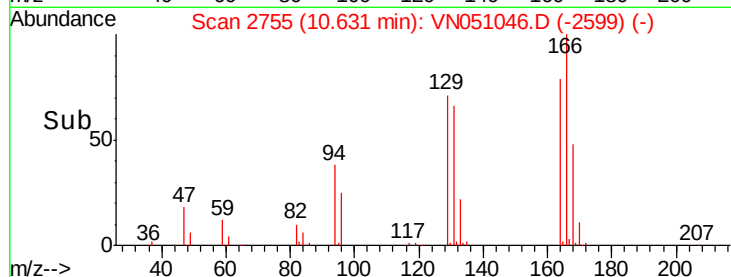
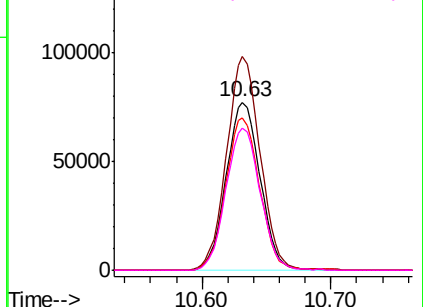


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 18.15 ug/l

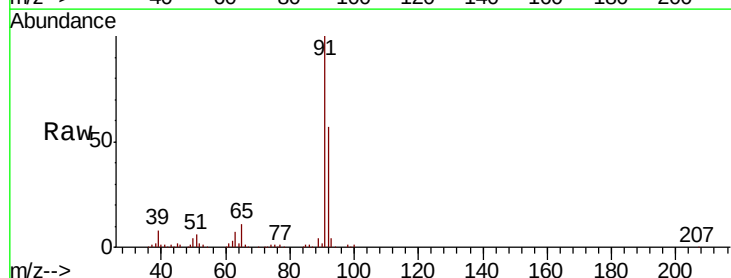
RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051046.D

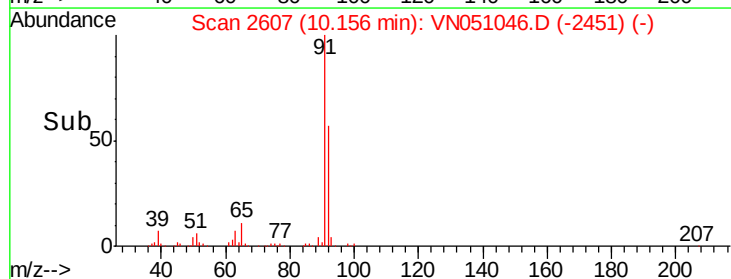
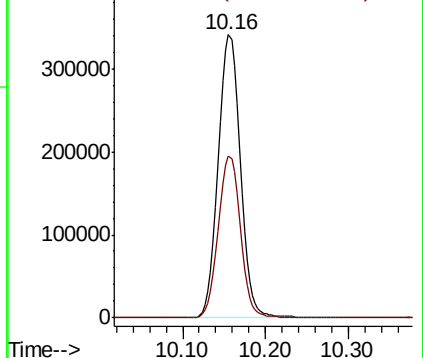
Acq: 7 Sep 2018 10:50

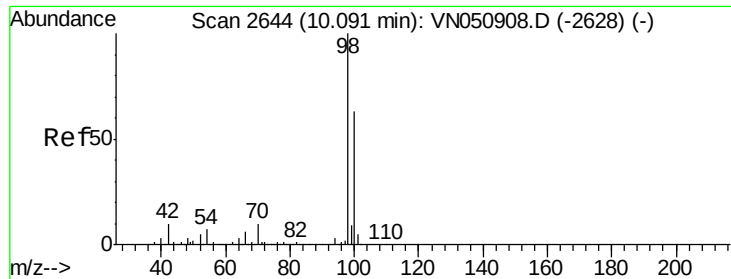
Tgt Ion	91	Resp	633862
Ion Ratio	Lower	Upper	
91	100		
92	56.9	45.8	68.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.16 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampled :

VN0907WBSD01

Tot Ion: 98 Resp: 880318

Ion Ratio Lower Upper

98 100

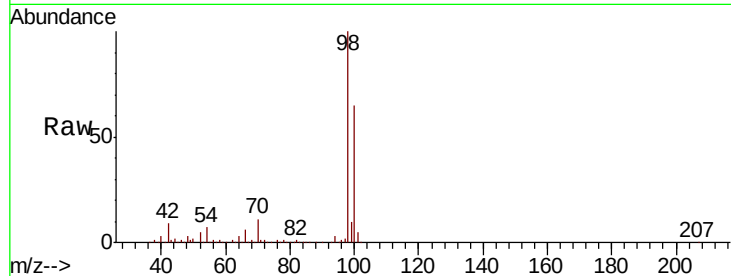
100 64.7 50.6 75.8

Manual Integrations

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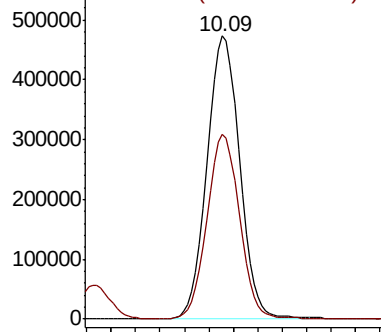
MMDadoda

9/10/2018 11:53:13 AM

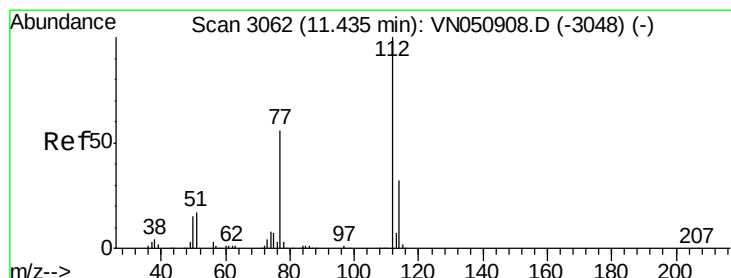
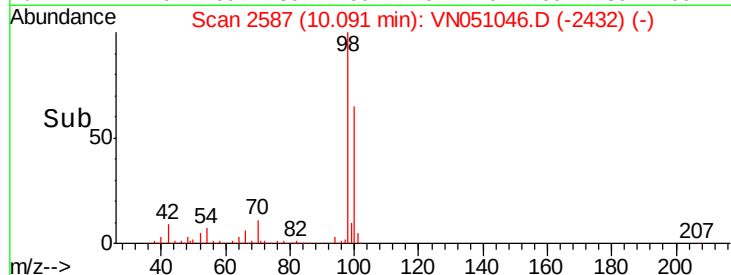


Abundance Ion 98.00 (97.70 to 98.70): VN051046.D (-2628) (-)

Ion 100.00 (99.70 to 100.70): VN051046.D (-2628) (-)



Time-->



#64

Chlorobenzene

Concen: 18.14 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN051046.D

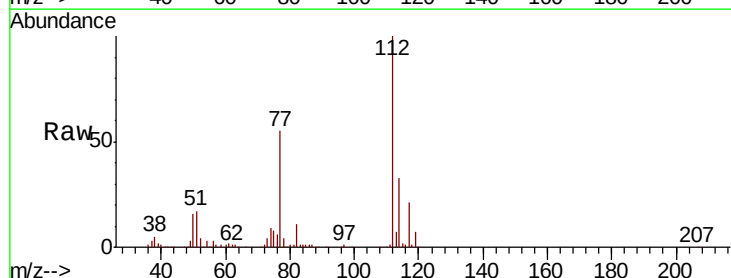
Acq: 7 Sep 2018 10:50

Tgt Ion: 112 Resp: 392489

Ion Ratio Lower Upper

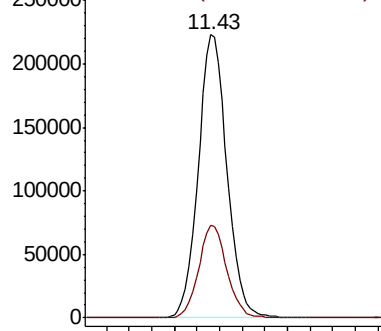
112 100

114 32.6 25.5 38.3

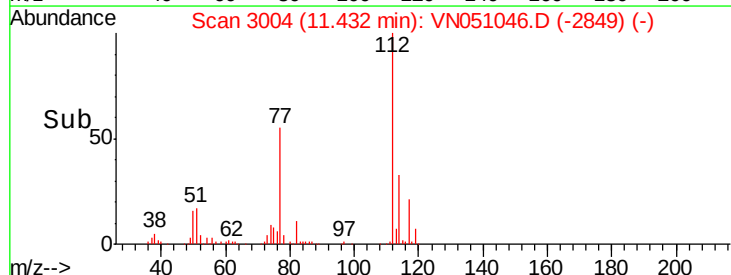


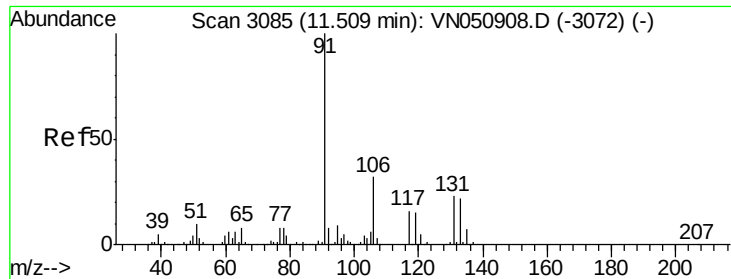
Abundance Ion 112.00 (111.70 to 112.70): VN051046.D (-2849) (-)

Ion 114.00 (113.70 to 114.70): VN051046.D (-2849) (-)



Time-->





#65

1,1,1,2-Tetrachloroethane

Concen: 18.61 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

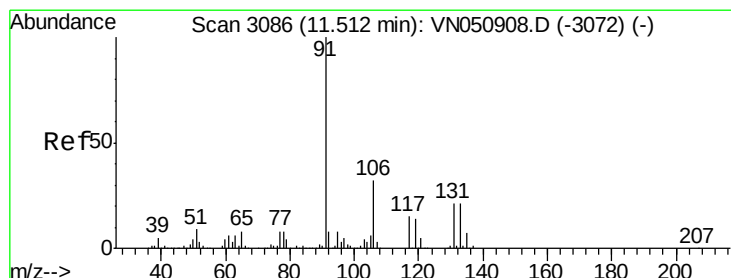
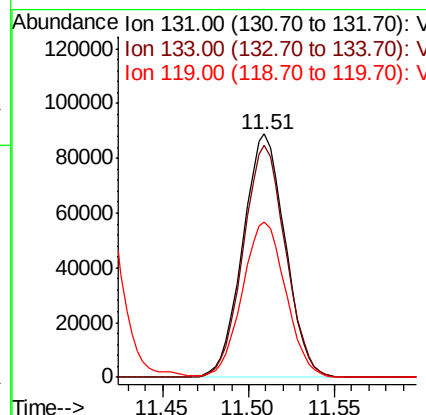
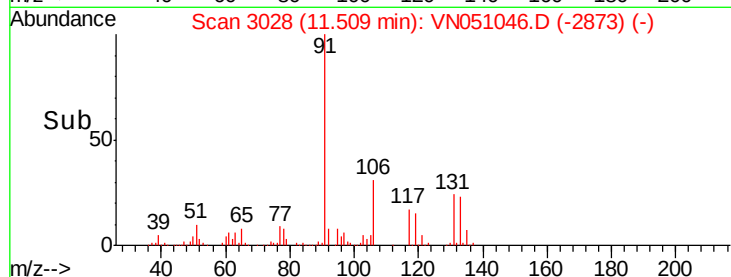
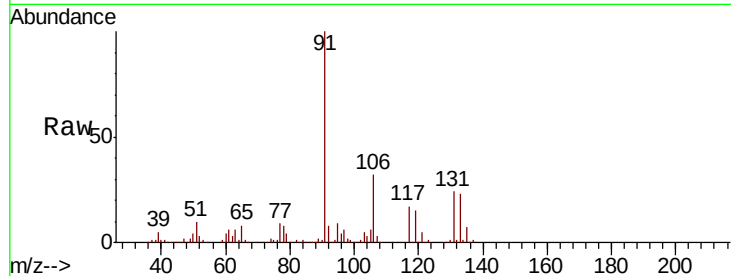
ClientSampled :

VN0907WBSD01

Tot Ion:	131	Resp:	152065
Ion Ratio	Lower	Upper	
131	100		
133	95.5	0.0	189.4
119	65.4	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 17.48 ug/l

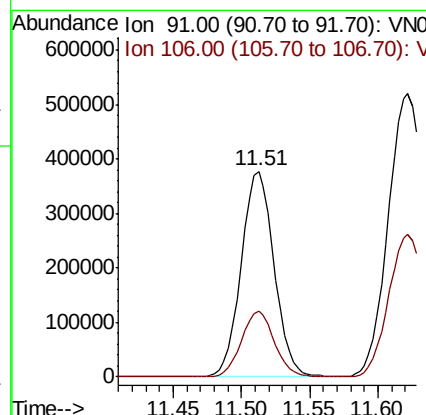
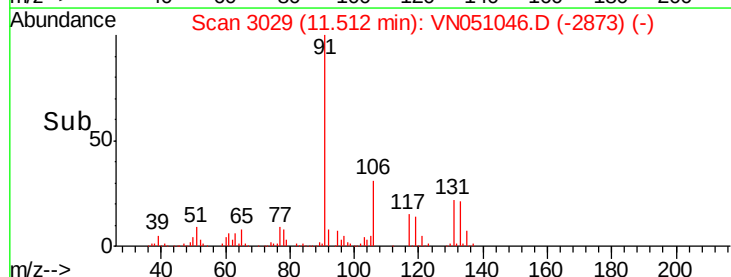
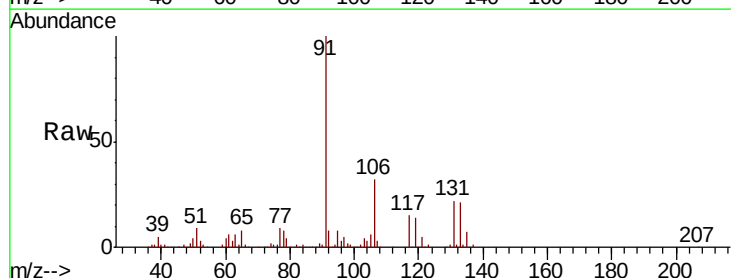
RT: 11.51 min Scan# 3029

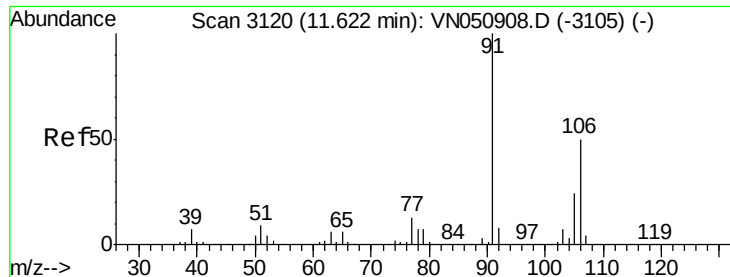
Delta R.T. 0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Tgt Ion:	91	Resp:	632111
Ion Ratio	Lower	Upper	
91	100		
106	32.1	25.7	38.5





#67

m/p-Xylenes

Concen: 35.98 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampled :

VN0907WBSD01

Tot Ion:106 Resp: 500756

Ion Ratio Lower Upper

106 100

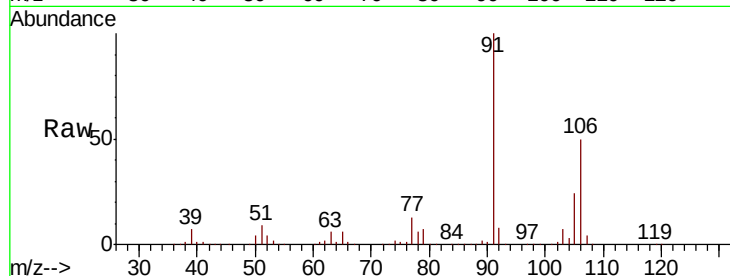
91 200.6 160.6 241.0

Manual Integrations

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9/10/2018 11:53:13 AM



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

200000

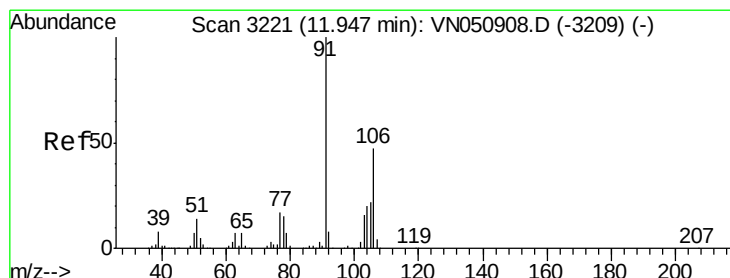
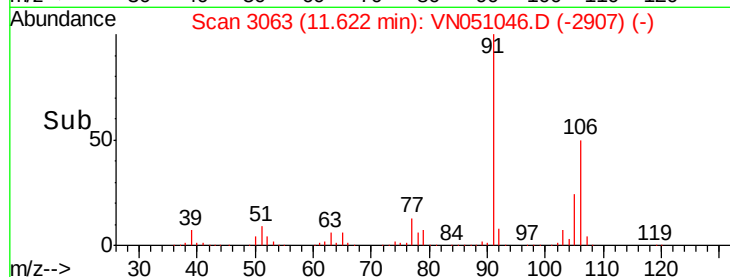
100000

0

11.60

11.70

Time-->



#68

o-Xylene

Concen: 18.16 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN051046.D

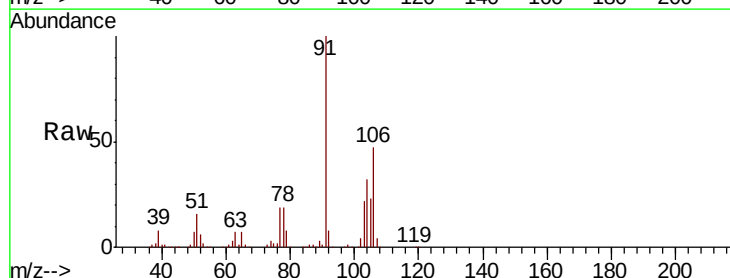
Acq: 7 Sep 2018 10:50

Tgt Ion:106 Resp: 241426

Ion Ratio Lower Upper

106 100

91 210.3 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

200000

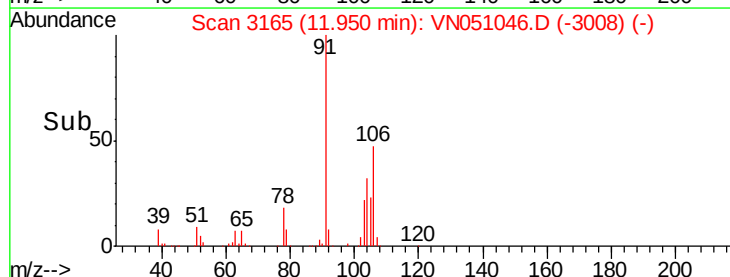
100000

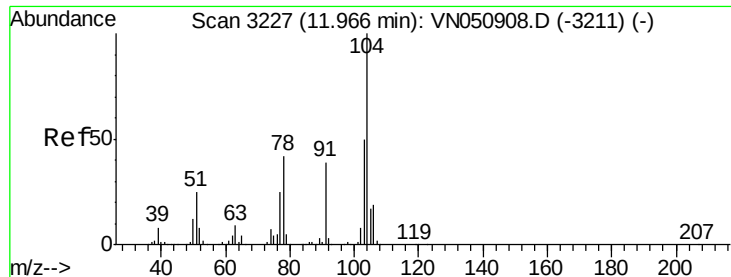
0

11.90

12.00

Time-->





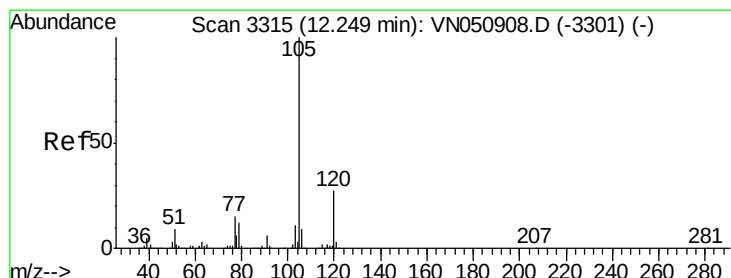
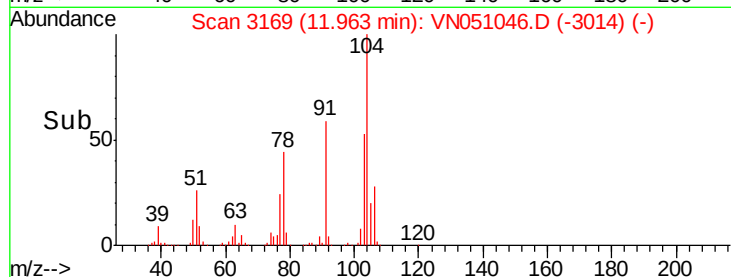
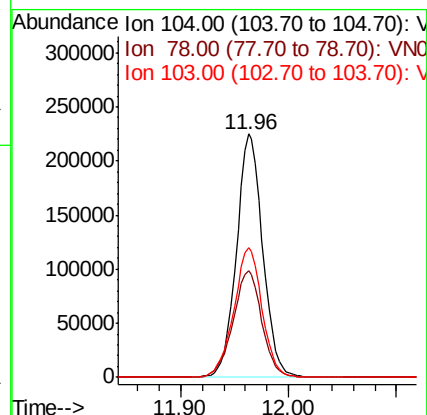
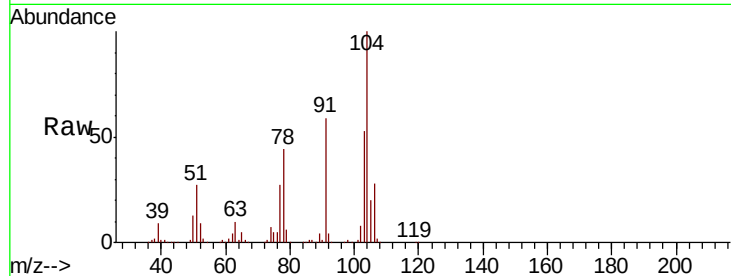
#69
Stvrene
Concen: 18.02 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
104	100	381015		
78	48.2		38.6	58.0
103	57.4		45.4	68.2

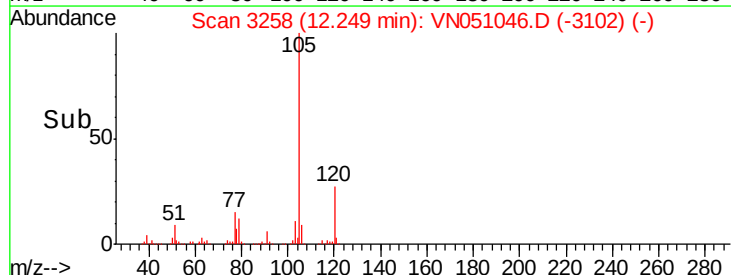
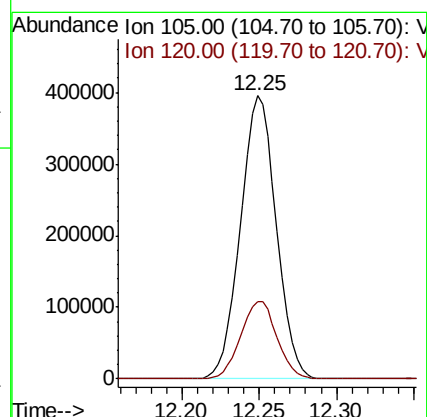
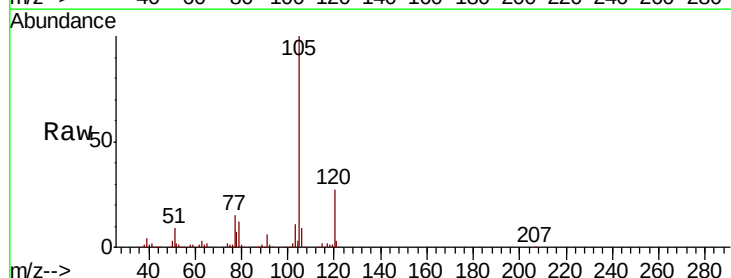
Manual Integrations
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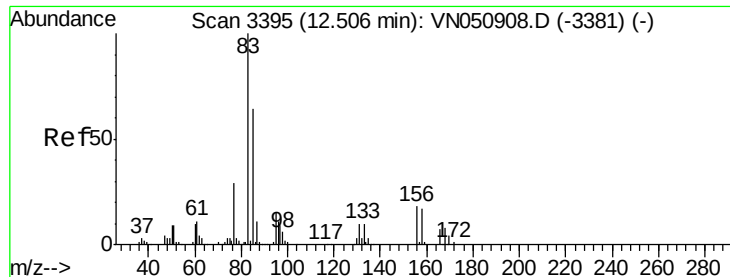
MMDadoda
9/10/2018 11:53:13 AM



#70
Isopropylbenzene
Concen: 17.97 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	634937		
120	27.7		18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 19.41 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

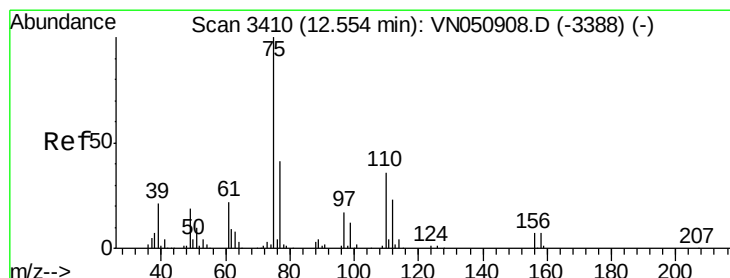
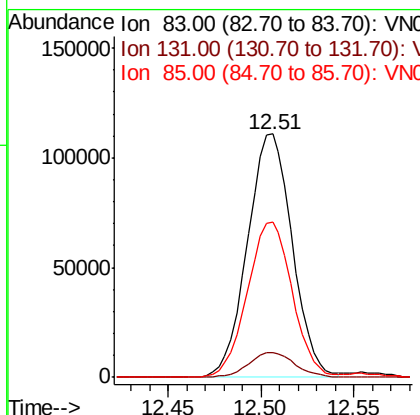
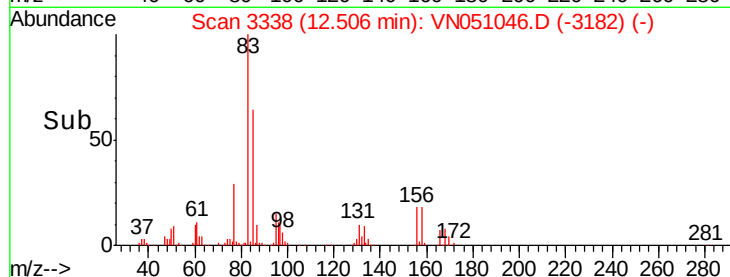
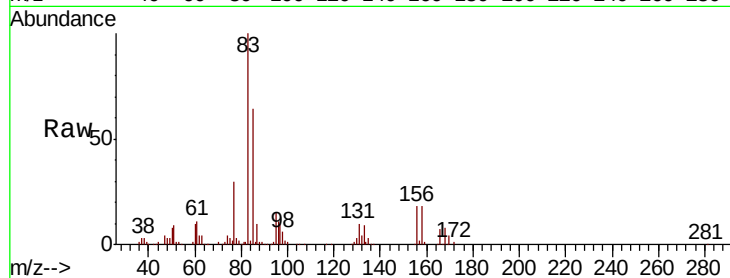
ClientSampleId :

VN0907WBSD01

Tot Ion:	83	Resp:	185657
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.9
85	64.1	32.3	96.9

Manual Integrations
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9/10/2018 11:53:13 AM



#72

1,2,3-Trichloropropane

Concen: 18.06 ug/l m

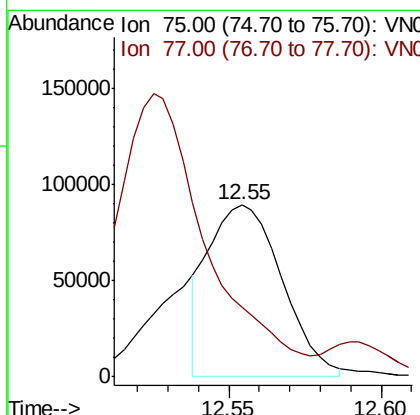
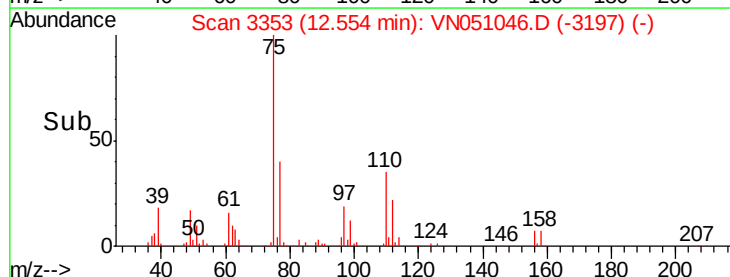
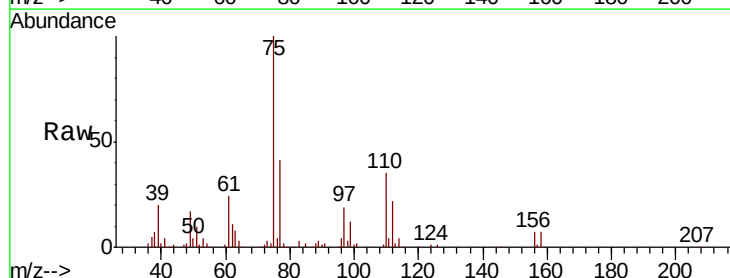
RT: 12.55 min Scan# 3353

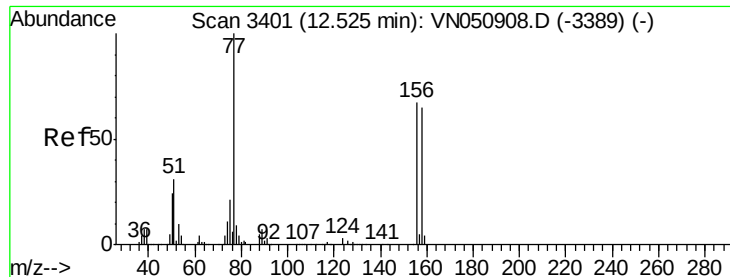
Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Tgt Ion:	75	Resp:	149048
Ion Ratio	Lower	Upper	
75	100		
77	205.1	0.0	301.6





#73

Bromobenzene

Concen: 18.36 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

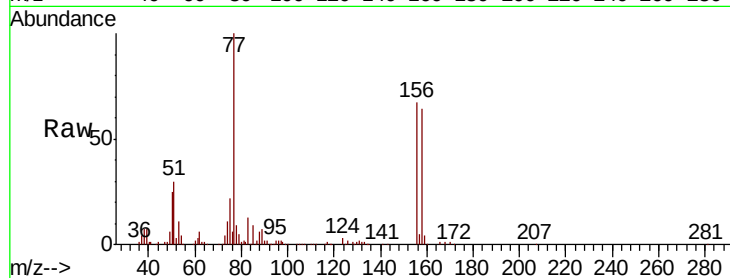
ClientSampleId :

VN0907WBSD01

Tot Ion:	156	Resp:	170702
Ion Ratio	Lower	Upper	
156	100		
77	179.0	0.0	359.4
158	97.3	0.0	194.6

Manual Integrations
APPROVED

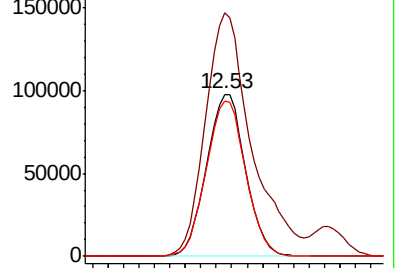
MMDadoda
9/10/2018 11:53:13 AM



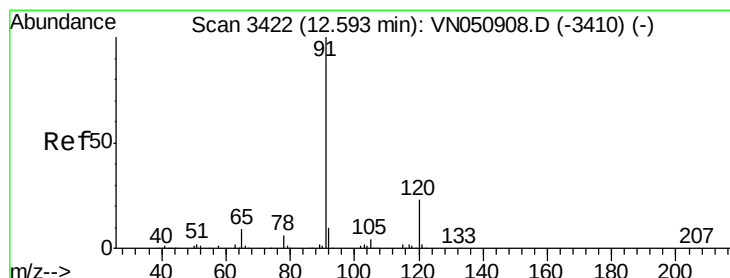
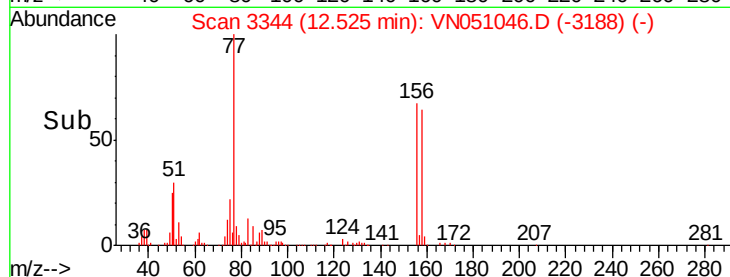
Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



Time-->



#74

n-propylbenzene

Concen: 17.79 ug/l

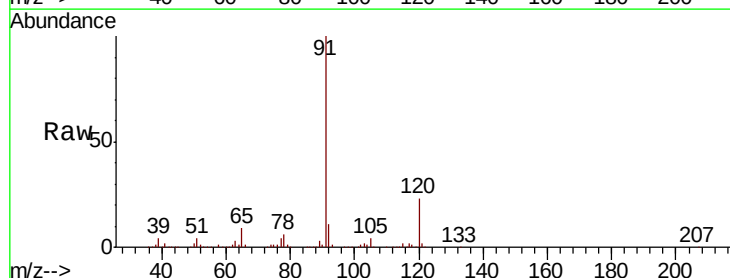
RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN051046.D

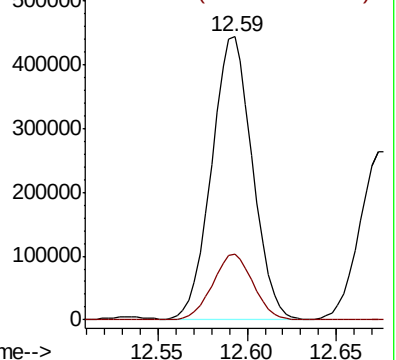
Acq: 7 Sep 2018 10:50

Tgt Ion:	91	Resp:	710832
Ion Ratio	Lower	Upper	
91	100		
120	23.1	0.0	46.0

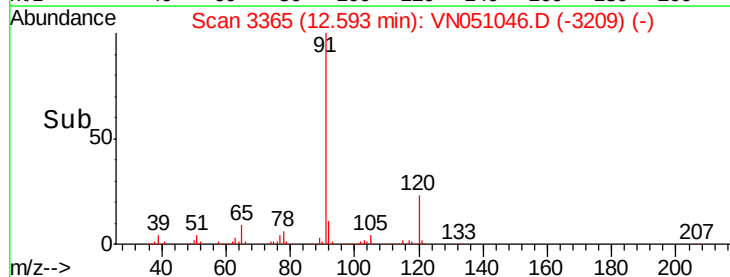


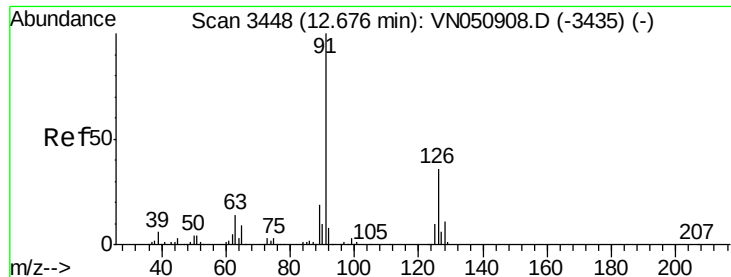
Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



Time-->





#75

2-Chlorotoluene

Concen: 18.31 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

ClientSampleId :

VN0907WBSD01

Tot Ion: 91 Resp: 444305

Ion Ratio Lower Upper

91 100

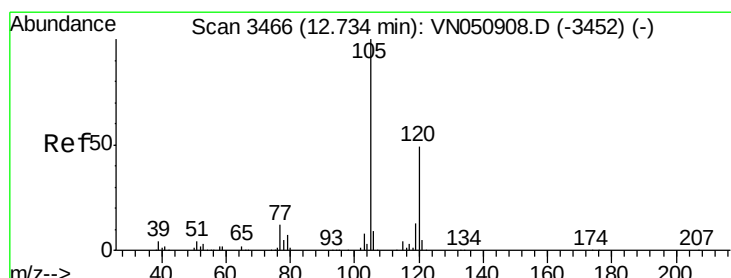
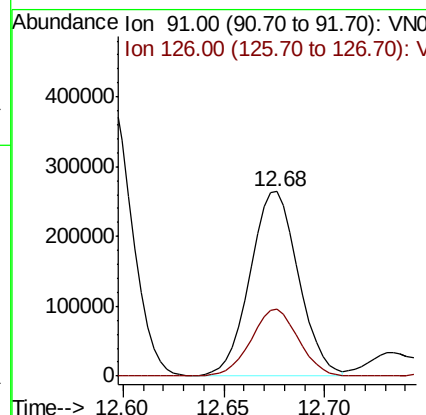
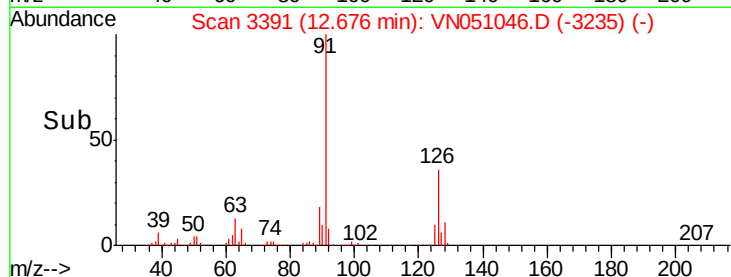
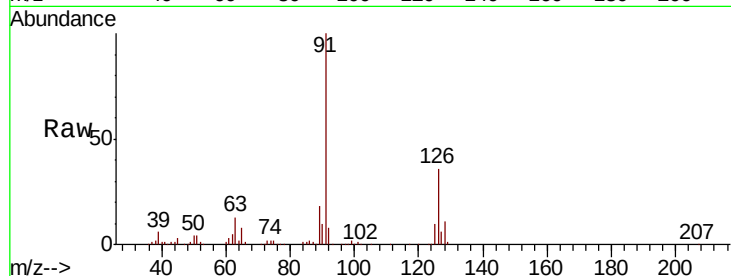
126 35.6 0.0 71.8

Manual Integrations

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MMDadoda

9/10/2018 11:53:13 AM



#76

1,3,5-Trimethylbenzene

Concen: 18.42 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051046.D

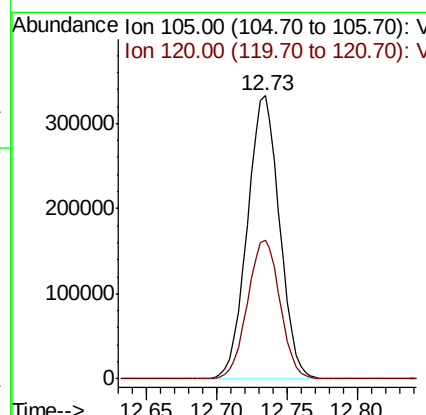
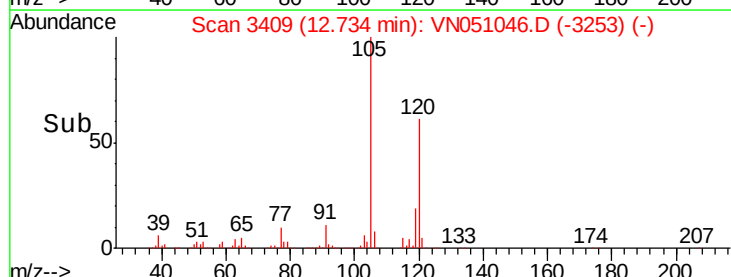
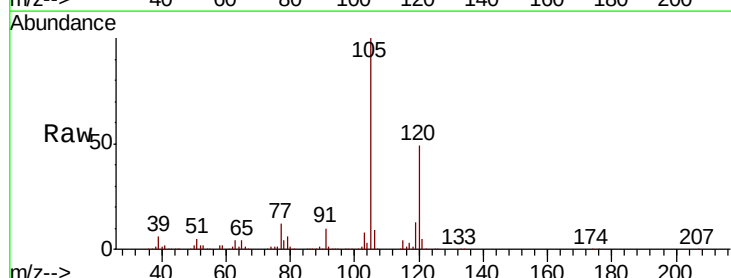
Acq: 7 Sep 2018 10:50

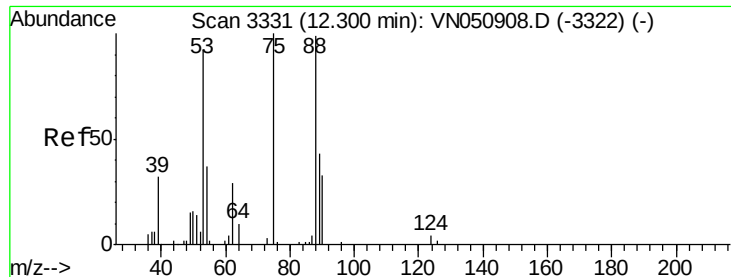
Tgt Ion: 105 Resp: 532003

Ion Ratio Lower Upper

105 100

120 49.6 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 17.54 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

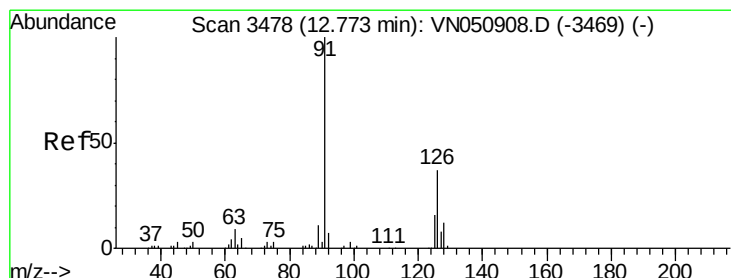
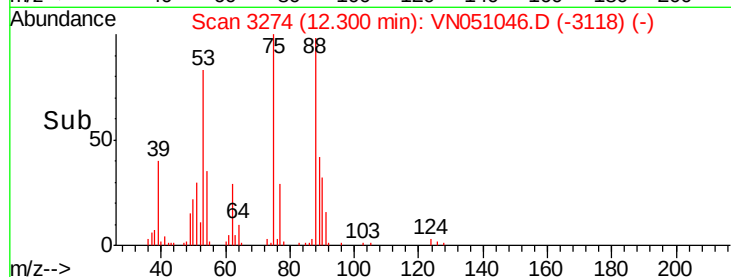
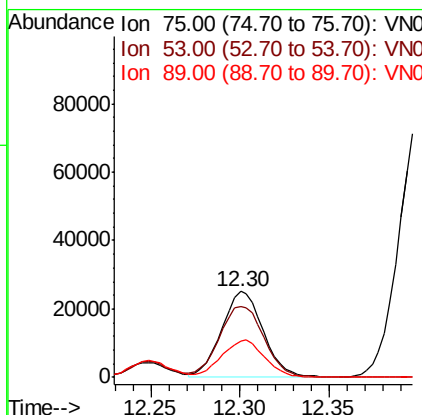
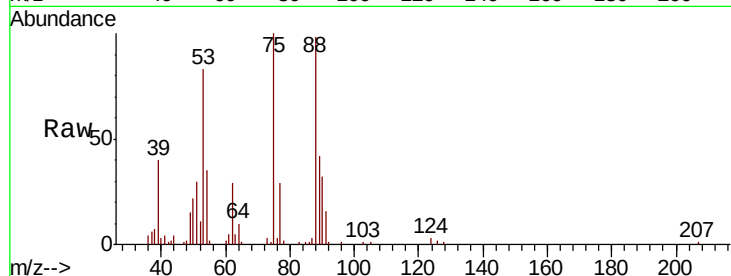
ClientSampleId :

VN0907WBSD01

Tot Ion:	75	Resp:	41251
Ion	Ratio	Lower	Upper
75	100		
53	83.1	45.5	136.4
89	42.3	21.9	65.8

Manual Integrations
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#78

4-Chlorotoluene

Concen: 18.27 ug/l

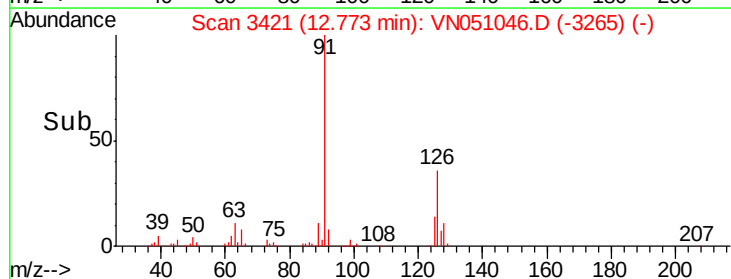
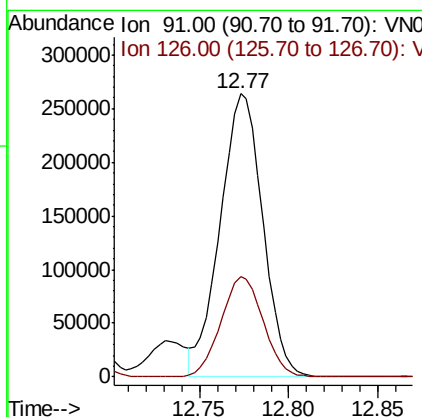
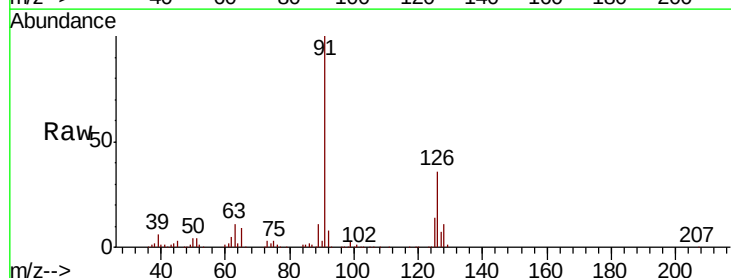
RT: 12.77 min Scan# 3421

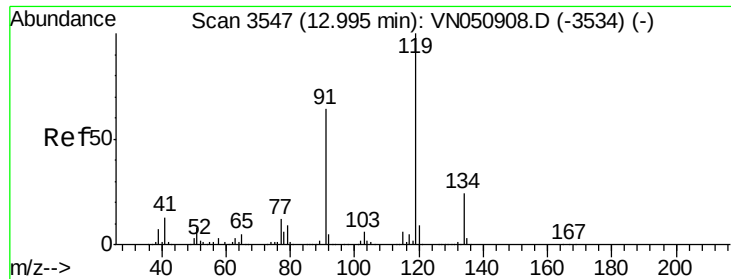
Delta R.T. 0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Tgt Ion:	91	Resp:	436642
Ion	Ratio	Lower	Upper
91	100		
126	35.1	0.0	69.8





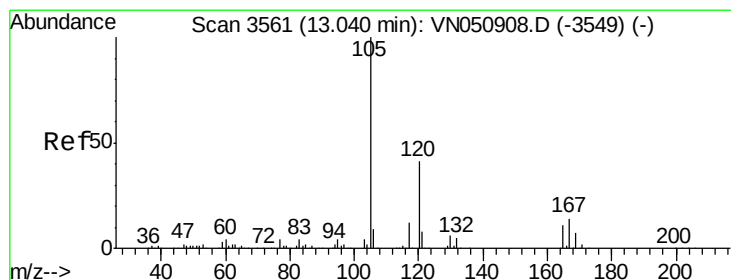
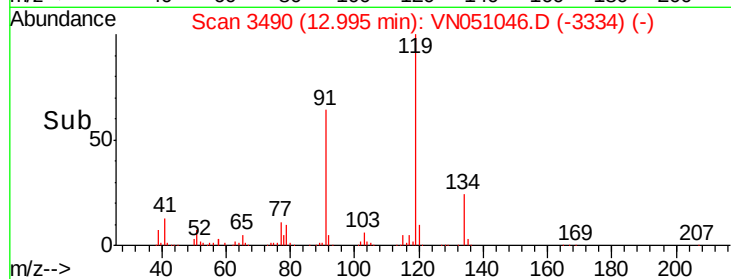
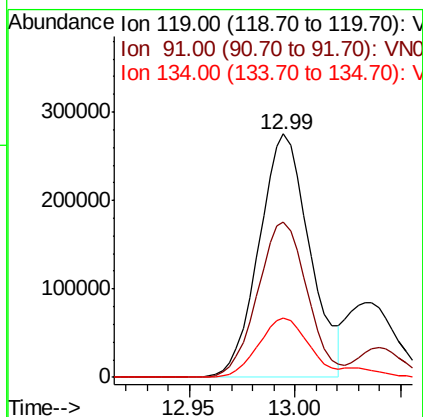
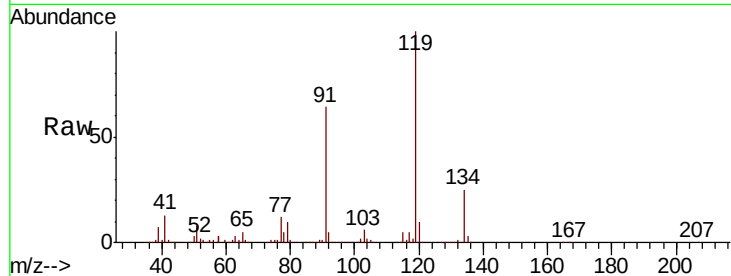
#79
 tert-butylbenzene
 Concen: 18.37 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampled :
 VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	460640		
91	62.7	0.0	125.6	
134	24.2	0.0	48.4	

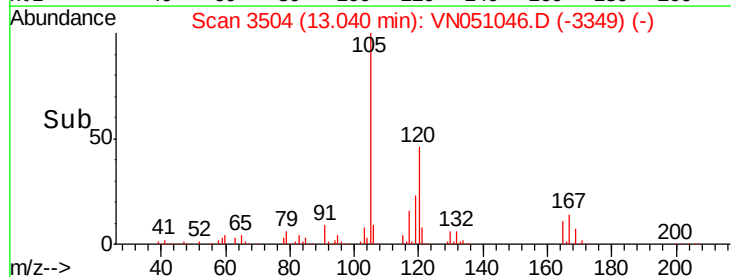
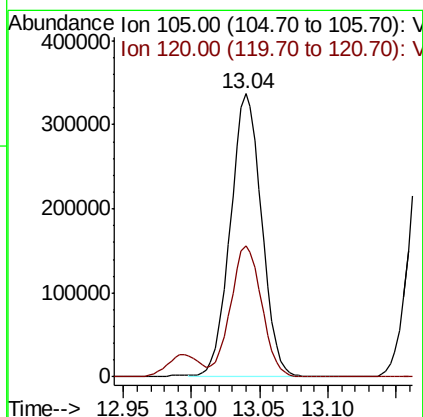
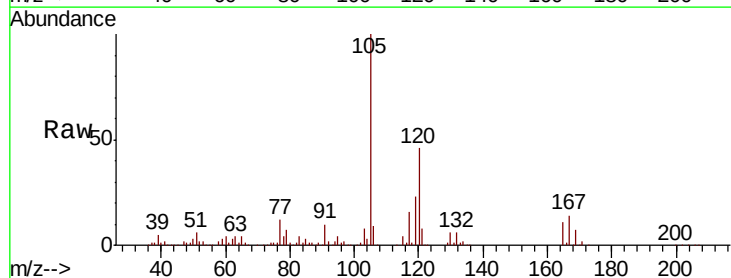
Manual Integrations
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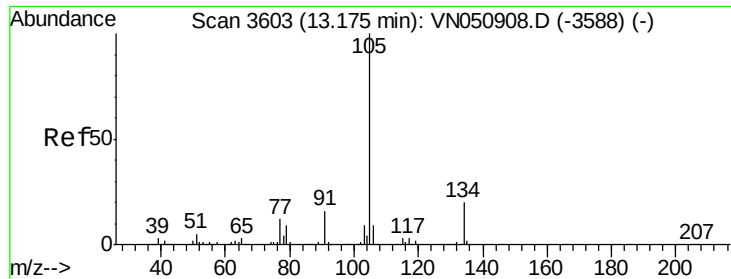
MMDadoda
 9/10/2018 11:53:13 AM



#80
 1,2,4-Trimethylbenzene
 Concen: 18.61 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	535862		
120	46.4	0.0	93.6	





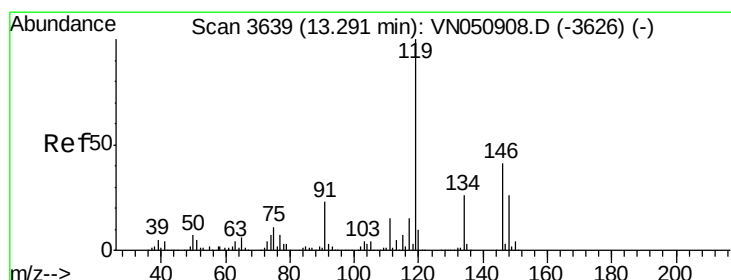
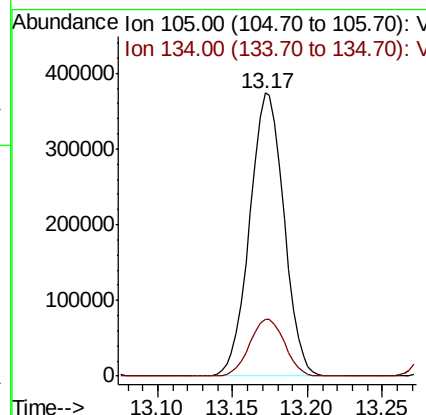
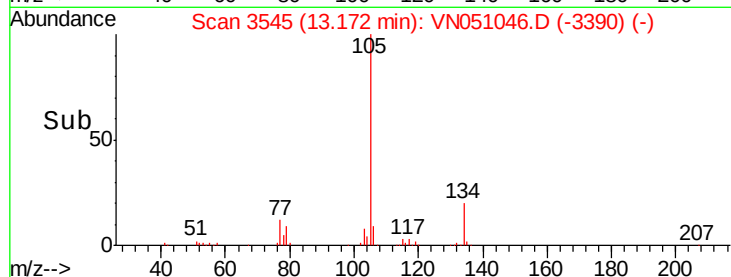
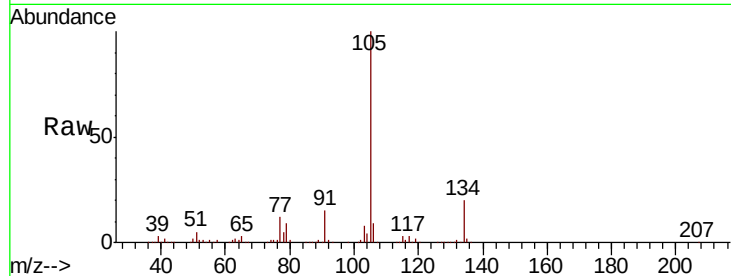
#81
 sec-Butylbenzene
 Concen: 18.13 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	0.0	40.8

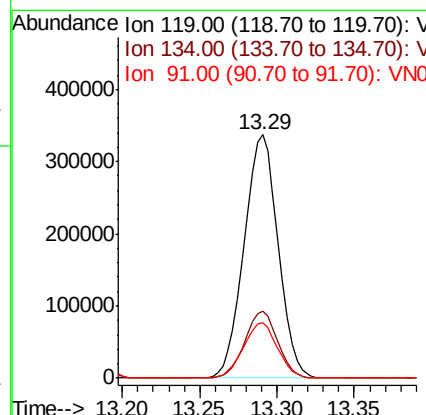
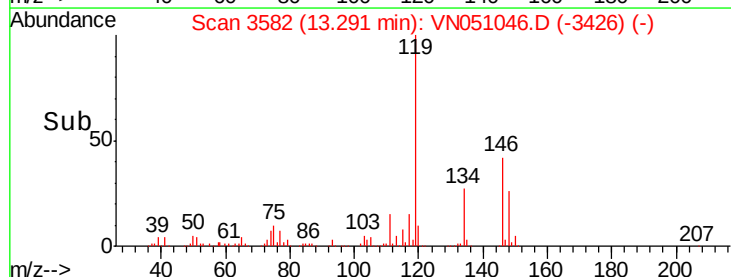
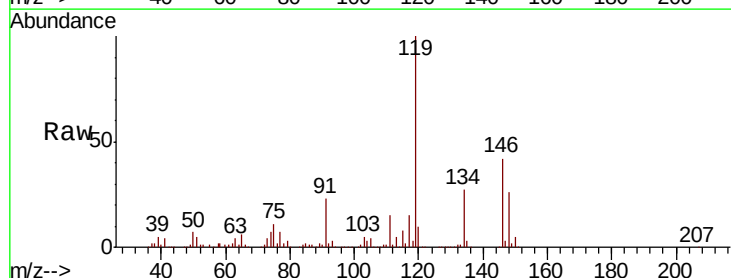
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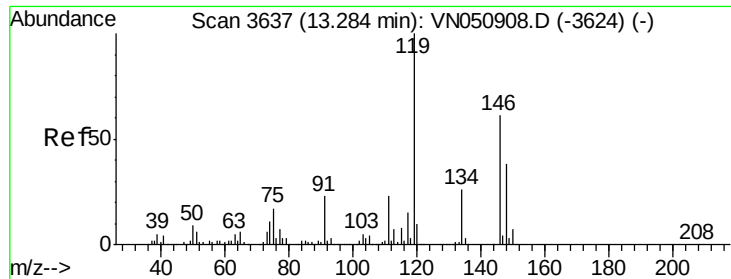
MMDadoda
 9/10/2018 11:53:13 AM



#82
 p-Isopropyltoluene
 Concen: 18.16 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	53.2
91	22.6	0.0	46.0





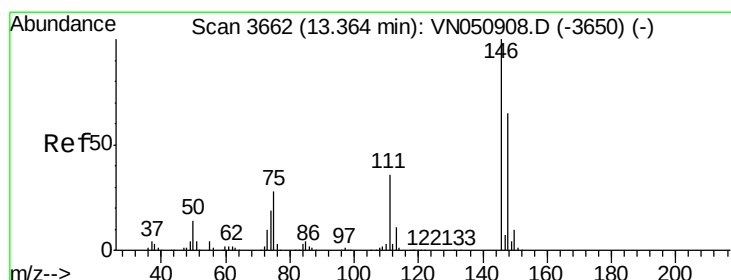
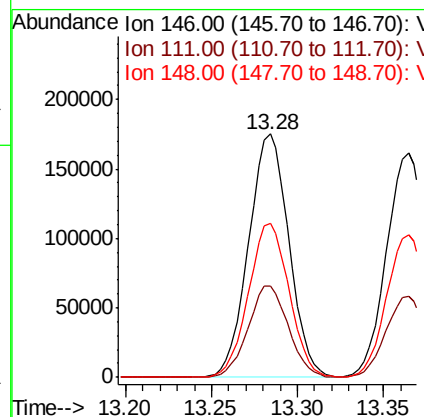
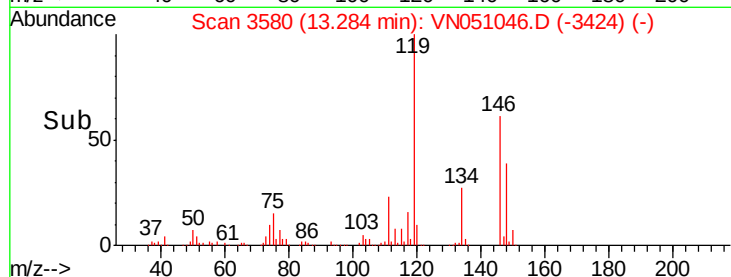
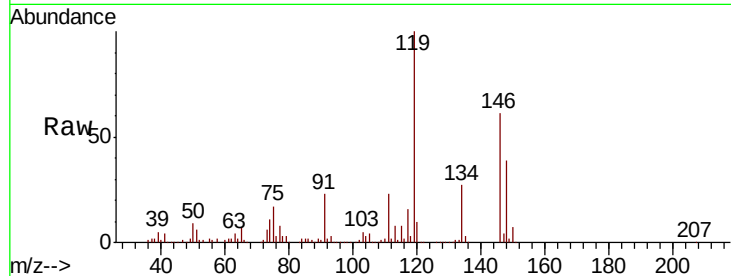
#83
1,3-Dichlorobenzene
Concen: 18.13 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.6
148	63.7	31.8	95.3

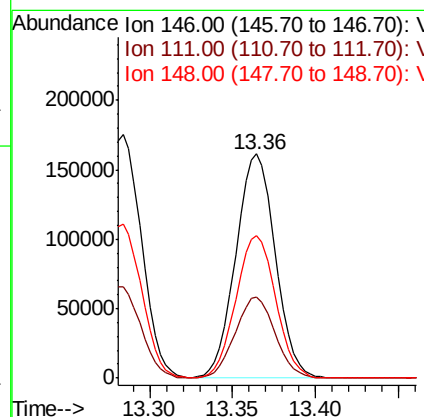
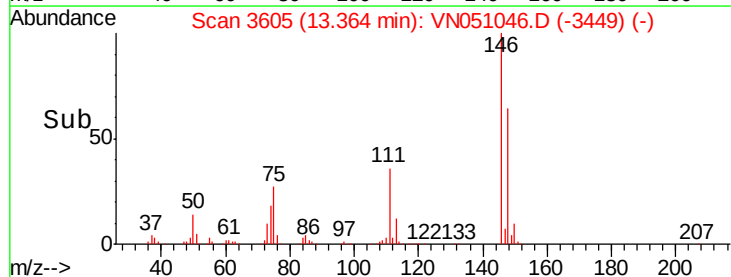
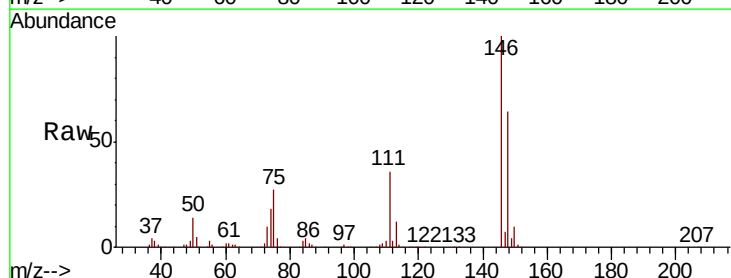
Manual Integrations
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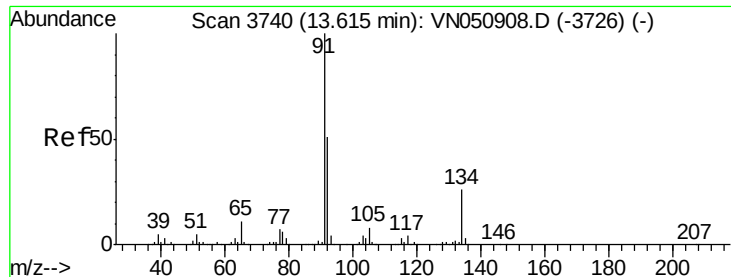
MMDadoda
9/10/2018 11:53:13 AM



#84
1,4-Dichlorobenzene
Concen: 17.91 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.6	17.7	53.1
148	64.2	31.6	94.8





#85

n-Butylbenzene

Concen: 17.13 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Instrument :

MSVOA_N

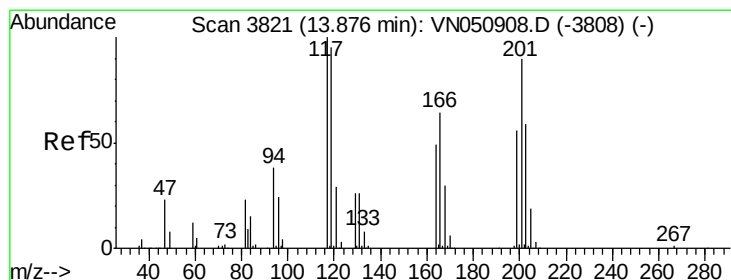
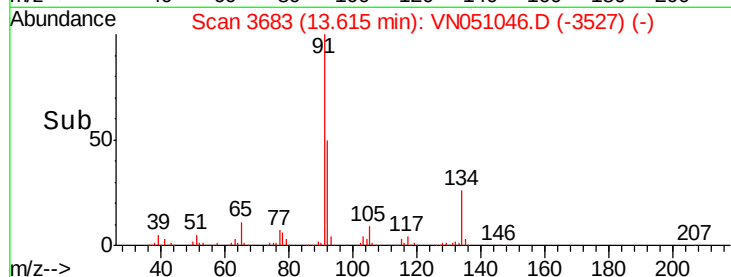
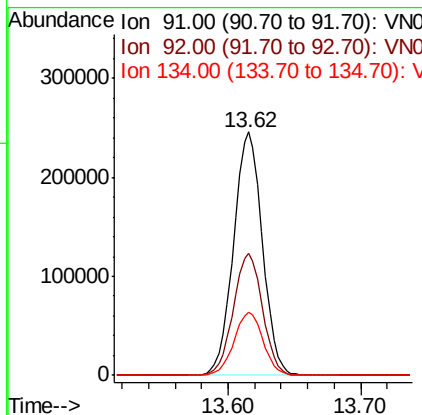
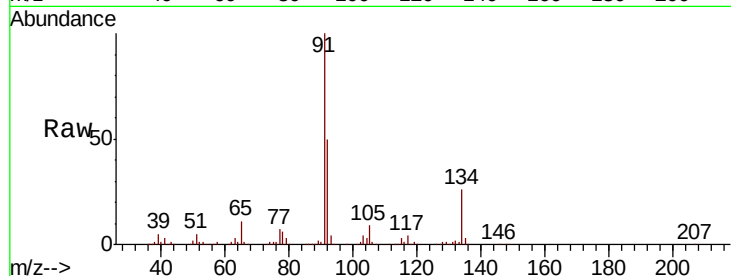
ClientSampleId :

VN0907WBSD01

Tot Ion:	91	Resp:	370153
Ion Ratio	Lower	Upper	
91	100		
92	50.7	0.0	101.8
134	26.0	0.0	52.2

Manual Integrations
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9/10/2018 11:53:13 AM



#86

Hexachloroethane

Concen: 18.47 ug/l

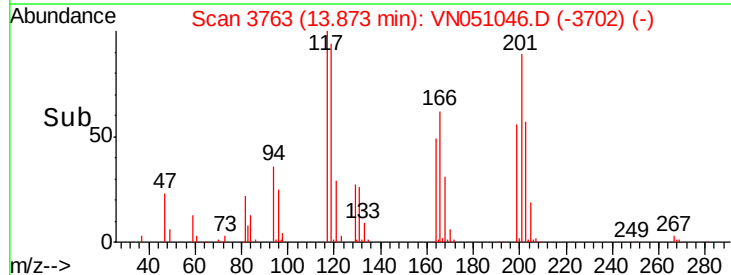
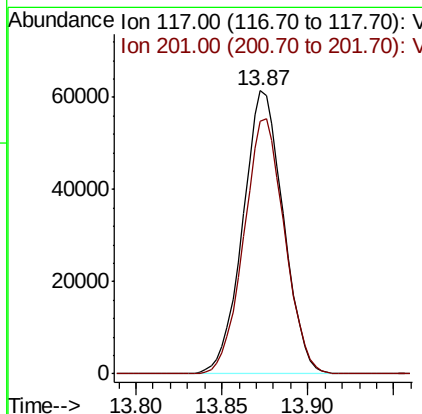
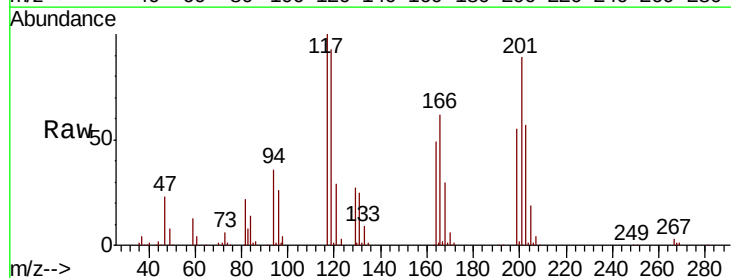
RT: 13.87 min Scan# 3763

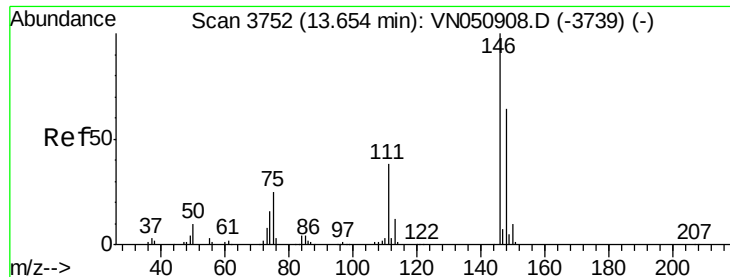
Delta R.T. -0.00 min

Lab File: VN051046.D

Acq: 7 Sep 2018 10:50

Tgt Ion:	117	Resp:	100386
Ion Ratio	Lower	Upper	
117	100		
201	90.2	45.8	137.4





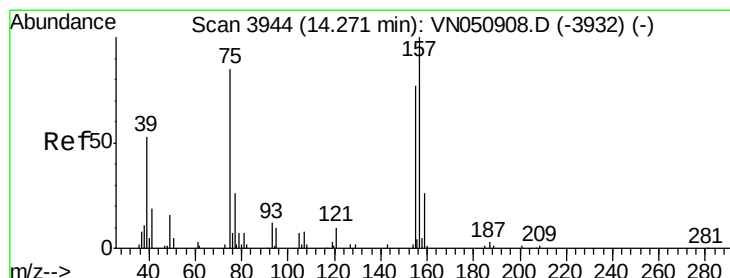
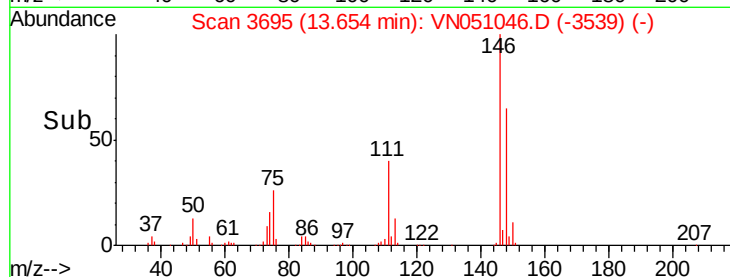
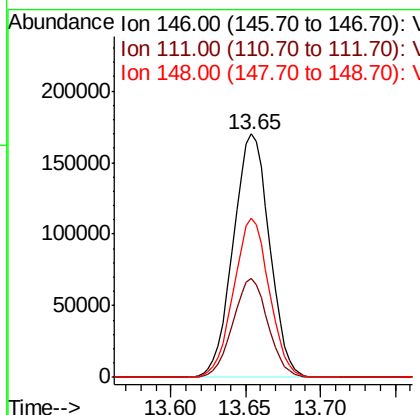
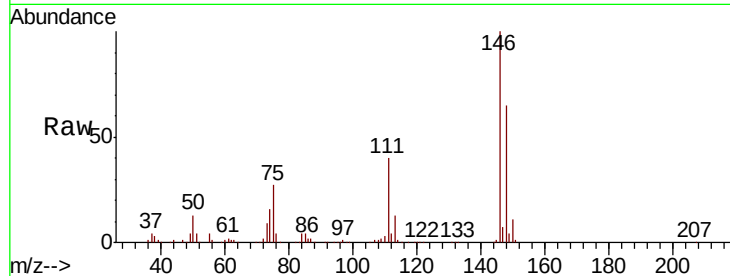
#87
 1,2-Dichlorobenzene
 Concen: 18.56 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.1	57.1
148	64.1	31.9	95.9

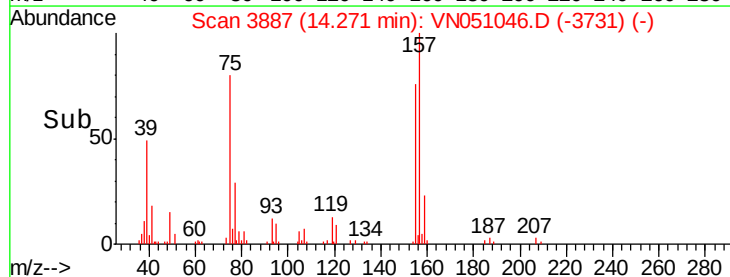
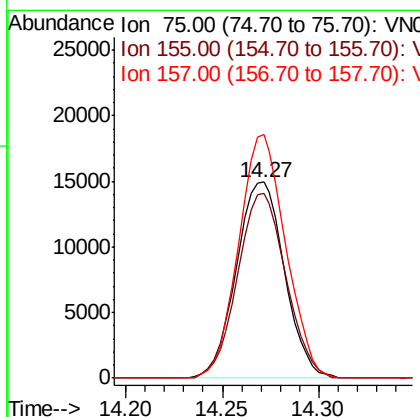
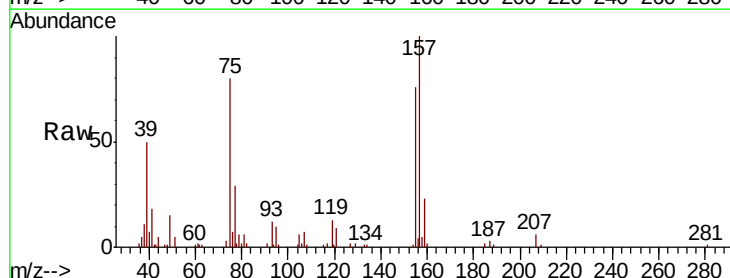
Manual Integrations
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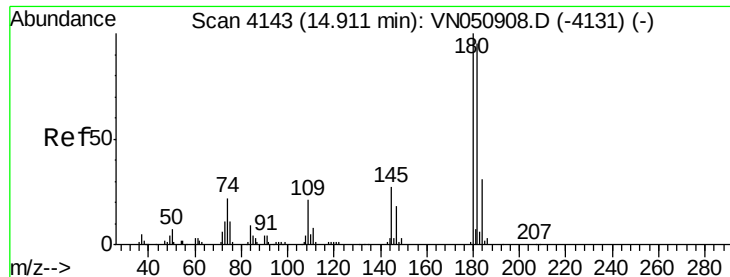
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 19.33 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	71.8	107.6
157	121.1	91.1	136.7





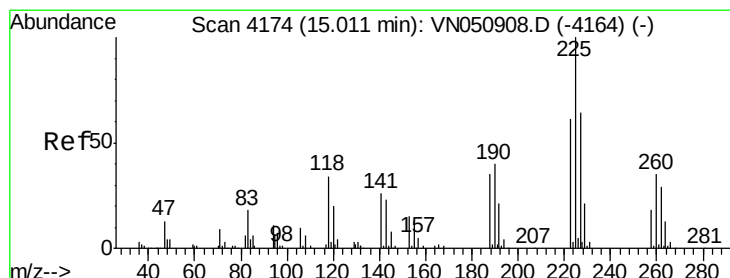
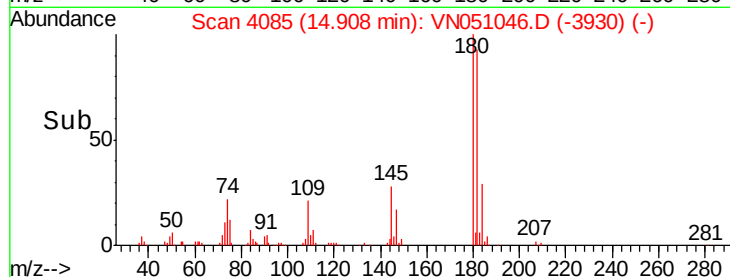
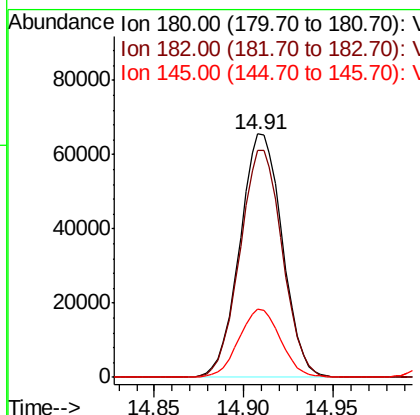
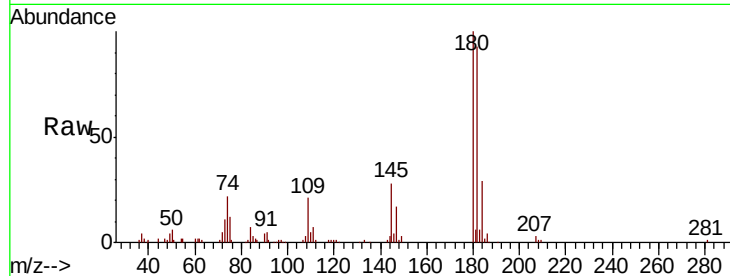
#89
 1,2,4-Trichlorobenzene
 Concen: 15.79 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0907WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	108770		
182	93.4	76.2	114.4	
145	27.3	22.2	33.4	

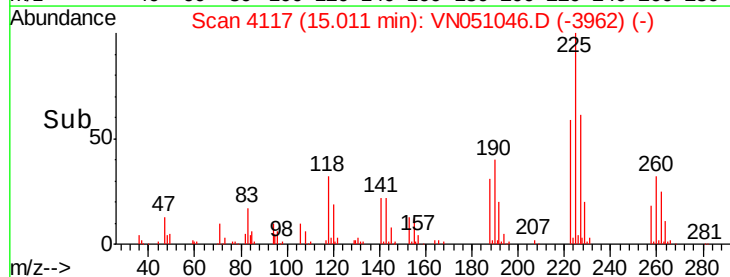
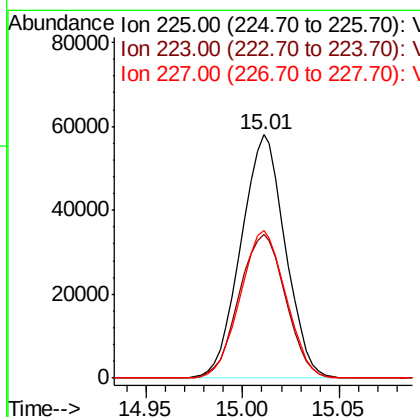
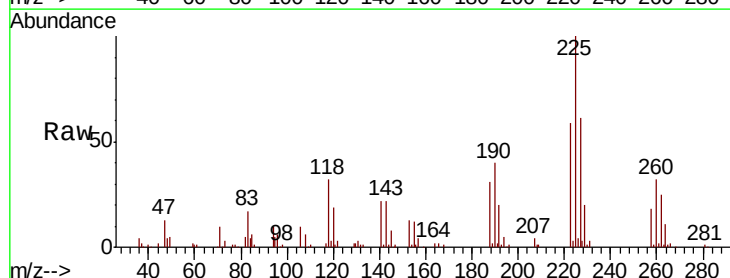
Manual Integrations
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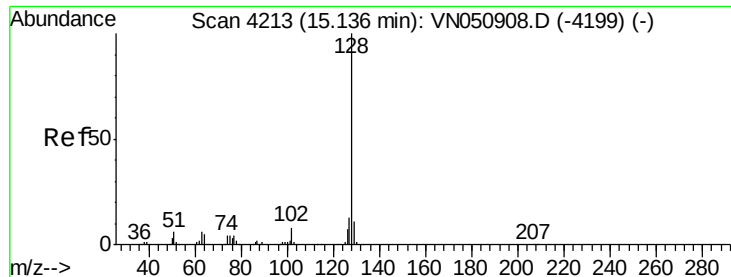
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 9/10/2018 11:53:13 AM



#90
 Hexachlorobutadiene
 Concen: 19.77 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051046.D
 Acq: 7 Sep 2018 10:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92527		
223	62.2	0.0	127.8	
227	62.5	0.0	128.4	





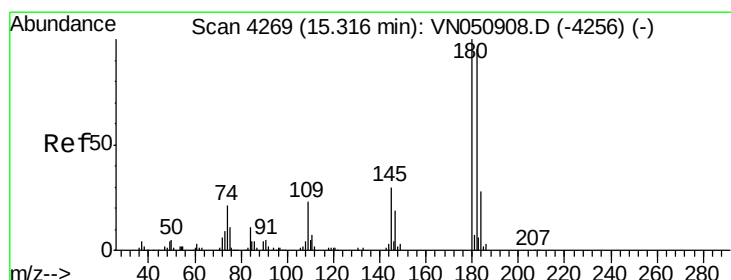
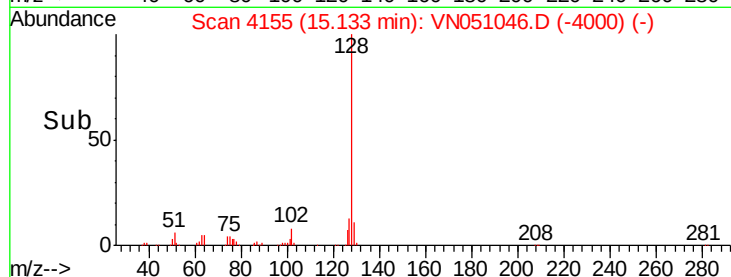
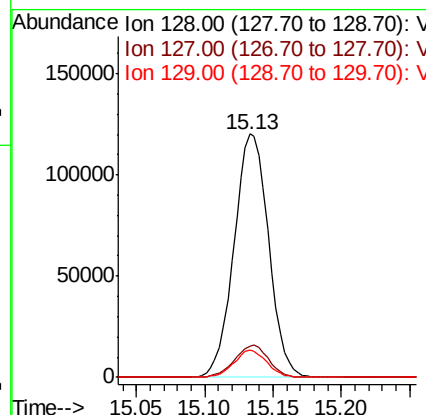
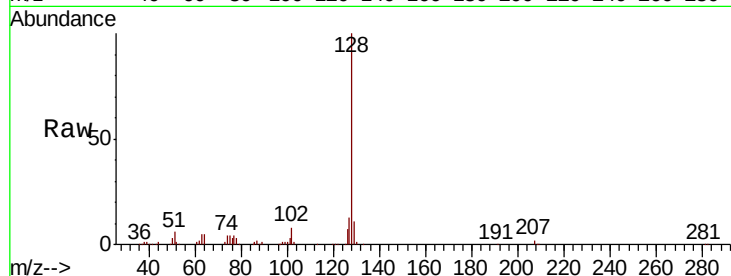
#91
Naphthalene
Concen: 18.40 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Instrument :
MSVOA_N
ClientSampleId :
VN0907WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		211415		
127	12.9		10.6	16.0	
129	10.6		8.7	13.1	

Manual Integrations
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9/10/2018 11:53:13 AM



#92
1,2,3-Trichlorobenzene
Concen: 16.55 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051046.D
Acq: 7 Sep 2018 10:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		114383		
182	94.6		0.0	192.8	
145	29.0		0.0	60.0	

