

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
 Data File : VN051030.D
 Acq On : 6 Sep 2018 12:59
 Operator : MD\SY
 Sample : VN0906WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 11:23:21 AM

Quant Time: Sep 07 01:37:40 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	129526	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	649750	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	583938	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	247197	29.91	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.70%
60) 4-Bromofluorobenzene	12.40	95	260348	29.98	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.93%
63) Toluene-d8	10.09	98	821690	30.17	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.57%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	129240	16.07	ug/l	100
3) Chloromethane	2.06	50	157462	16.58	ug/l	98
4) Vinyl Chloride	2.18	62	153930	16.40	ug/l	100
5) Bromomethane	2.55	94	103931	18.17	ug/l	99
6) Chloroethane	2.70	64	92754	16.76	ug/l	98
7) Trichlorofluoromethane	3.01	101	213908	17.19	ug/l	99
8) Diethyl Ether	3.41	74	81298	18.53	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.75	101	135060	17.53	ug/l	97
10) 1,1-Dichloroethene	3.73	96	115319	16.48	ug/l	98
11) Methyl Iodide	3.95	142	94288	14.44	ug/l	99
12) Methyl Acetate	4.33	43	196546	24.29	ug/l	100
13) Acrolein	3.61	56	45711	255.08	ug/l	98
14) Acrylonitrile	4.99	53	278960	101.95	ug/l	99
15) Acetone	3.82	58	74009	105.70	ug/l	87
16) Carbon Disulfide	4.05	76	323935	15.39	ug/l	100
17) Allyl chloride	4.32	41	186763	16.96	ug/l	99
18) Methylene Chloride	4.55	84	151623	18.46	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	127990	17.16	ug/l	96
20) Diisopropyl ether	5.96	45	431796	18.89	ug/l	99
21) 1,1-Dichloroethane	5.85	63	248961	17.76	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	148444	17.62	ug/l	98
23) tert-Butyl Alcohol	4.80	59	65218	112.07	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	374691	19.57	ug/l	100
25) Chloroform	7.37	83	259342	18.54	ug/l	99
26) Cyclohexane	7.65	56	185483	15.97	ug/l #	98
29) 1,1-Dichloropropene	7.79	75	174996	17.99	ug/l	99
30) 2-Butanone	6.84	43	320561	107.12	ug/l	99
31) 2,2-Dichloropropane	6.83	77	190153	20.09	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	211032	19.13	ug/l	98
33) Carbon Tetrachloride	7.78	117	182444	18.37	ug/l	95
34) Benzene	8.04	78	577469	19.19	ug/l	99
35) Methacrylonitrile	7.18	41	60718	18.52	ug/l	97
36) 1,2-Dichloroethane	8.13	62	183712	20.19	ug/l	99
37) Trichloroethene	8.83	130	146509	18.63	ug/l	98
38) Methylcyclohexane	9.08	83	178280	17.06	ug/l	99
39) 1,2-Dichloropropane	9.12	63	158126	20.12	ug/l	98
40) Dibromomethane	9.21	93	97129	20.52	ug/l	99

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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
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Manual Integrations
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MMDadoda
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Quant Time: Sep 07 01:37:40 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	200104	20.05	ug/l	99
42) Vinyl Acetate	5.90	43	1318428	95.65	ug/l	100
43) Ethyl Acetate	6.94	43	133120	21.72	ug/l	96
44) Isopropyl Acetate	8.17	43	231440	21.40	ug/l	97
45) 1,4-Dioxane	9.20	88	36642	456.00	ug/l	98
46) Methyl methacrylate	9.20	41	113685	20.98	ug/l	96
47) n-amyl Acetate	12.07	43	170320	19.58	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	192937	19.72	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	221821	19.74	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	144188	20.96	ug/l	98
51) Ethyl methacrylate	10.43	69	170078	20.21	ug/l	100
52) 1,3-Dichloropropane	10.71	76	233975	20.53	ug/l	99
53) Dibromochloromethane	10.90	129	160159	20.48	ug/l	98
54) 1,2-Dibromoethane	11.01	107	138948	20.43	ug/l	98
55) 2-Chloroethyl vinyl ether	9.70	63	300712	85.87	ug/l	99
56) Bromoform	12.13	173	114714	20.62	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	713680	106.82	ug/l	99
59) 2-Hexanone	10.75	43	468813	107.35	ug/l	99
61) Tetrachloroethene	10.63	164	135582	18.63	ug/l	100
62) Toluene	10.16	91	612992	18.82	ug/l	100
64) Chlorobenzene	11.44	112	386517	19.14	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	152198	19.97	ug/l	100
66) Ethyl Benzene	11.51	91	603108	17.87	ug/l	100
67) m/p-Xylenes	11.62	106	488597	37.63	ug/l	100
68) o-Xylene	11.95	106	233956	18.86	ug/l	100
69) Styrene	11.96	104	373573	18.94	ug/l	99
70) Isopropylbenzene	12.25	105	612304	18.57	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.50	83	190744	21.37	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	150500m	19.54	ug/l	
73) Bromobenzene	12.53	156	166004	19.14	ug/l	98
74) n-propylbenzene	12.59	91	680256	18.25	ug/l	99
75) 2-Chlorotoluene	12.67	91	425586	18.80	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	509576	18.92	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	44675	20.36	ug/l	98
78) 4-Chlorotoluene	12.77	91	417049	18.71	ug/l	99
79) tert-butylbenzene	12.99	119	427526	18.27	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	510386	19.00	ug/l	99
81) sec-Butylbenzene	13.17	105	570755	18.65	ug/l	99
82) p-Isopropyltoluene	13.29	119	488736	18.50	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	274889	18.75	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	257358	18.52	ug/l	97
85) n-Butylbenzene	13.62	91	348285	17.28	ug/l	100
86) Hexachloroethane	13.88	117	94462	18.63	ug/l	96
87) 1,2-Dichlorobenzene	13.65	146	278262	19.28	ug/l	98
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26844	21.50	ug/l	94
89) 1,2,4-Trichlorobenzene	14.91	180	103229	16.07	ug/l	99
90) Hexachlorobutadiene	15.01	225	87073	19.95	ug/l	99
91) Naphthalene	15.14	128	209903	19.03	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	112745	17.49	ug/l	100

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Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

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

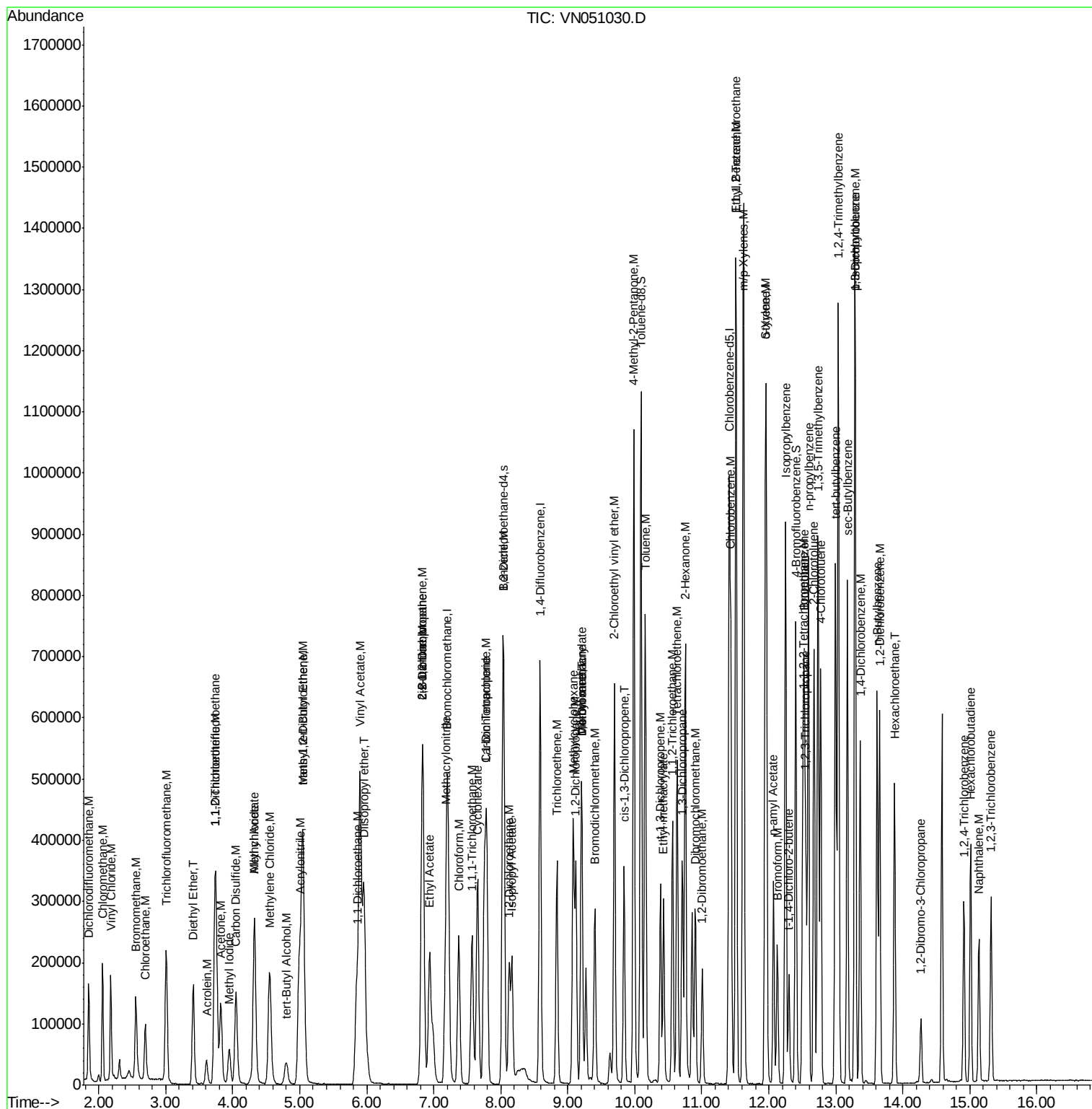
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN090618\
Data File : VN051030.D
Acq On : 6 Sep 2018 12:59
Operator : MD\SY
Sample : VN0906WBS01
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
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Client Sample Id :
VN0906WBS01

Manual Integrations
APPROVED

MMDadoda
9/7/2018 11:23:21 AM

Quant Time: Sep 07 01:37:40 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





#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

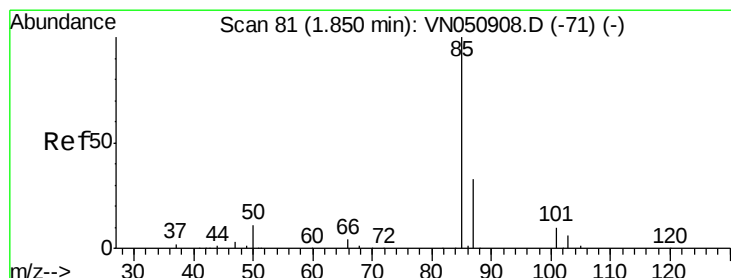
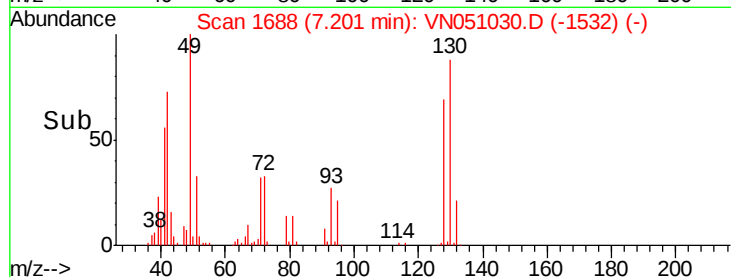
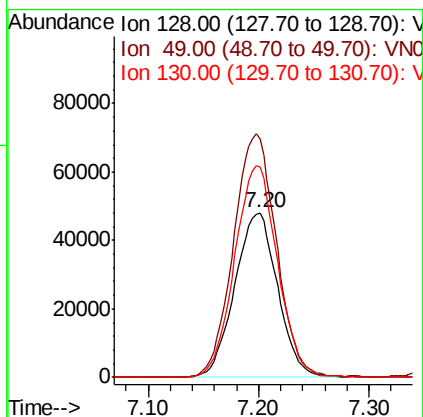
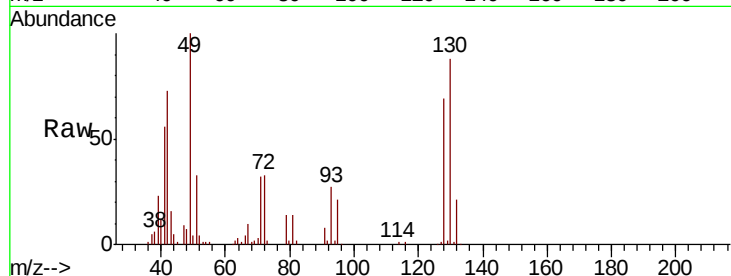
ClientSampleId :

VN0906WBS01

Tot Ion:	128	Resp:	129526
Ion	Ratio	Lower	Upper
128	100		
49	148.4	0.0	380.3
130	128.5	0.0	325.3

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 16.07 ug/l

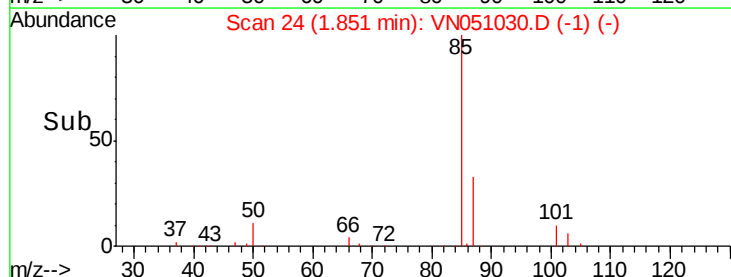
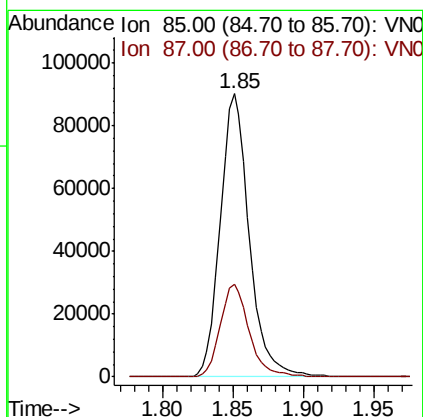
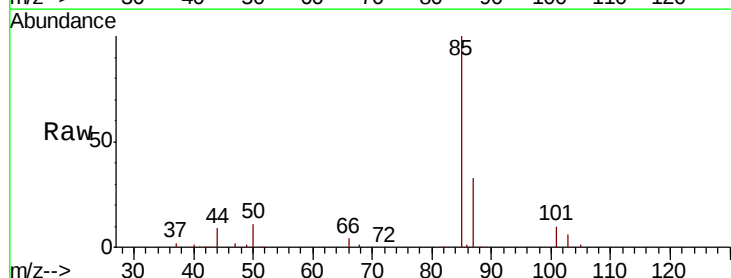
RT: 1.85 min Scan# 24

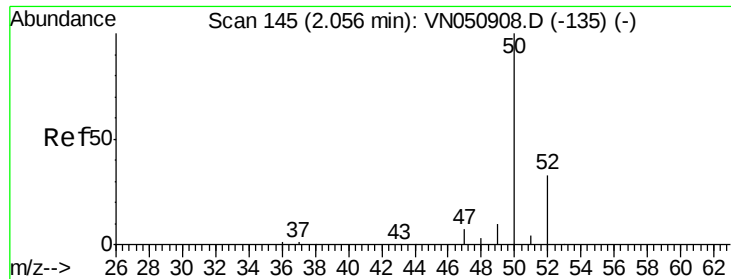
Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Tgt Ion:	85	Resp:	129240
Ion	Ratio	Lower	Upper
85	100		
87	32.6	16.4	49.1





#3

Chloromethane

Concen: 16.58 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion: 50 Resp: 157462

Ion Ratio Lower Upper

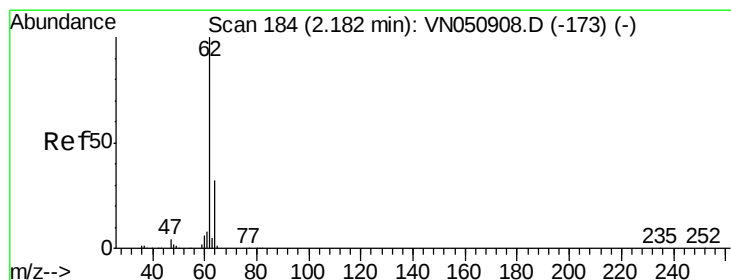
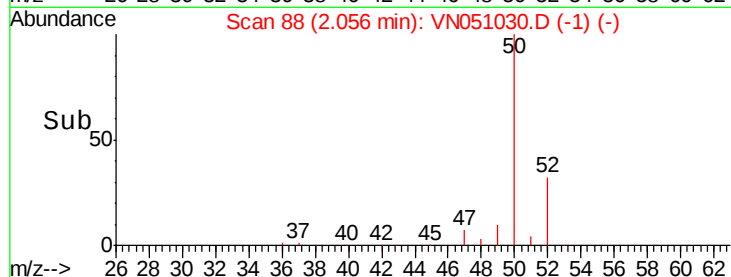
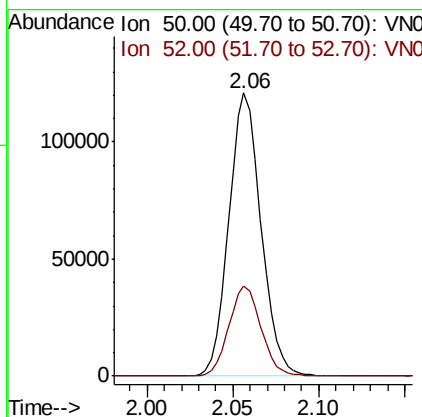
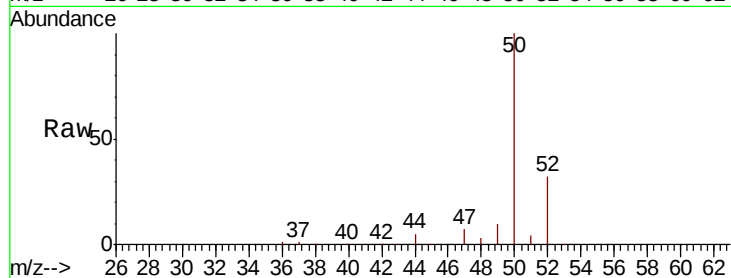
50 100

52 31.8 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 16.40 ug/l

RT: 2.18 min Scan# 126

Delta R.T. -0.00 min

Lab File: VN051030.D

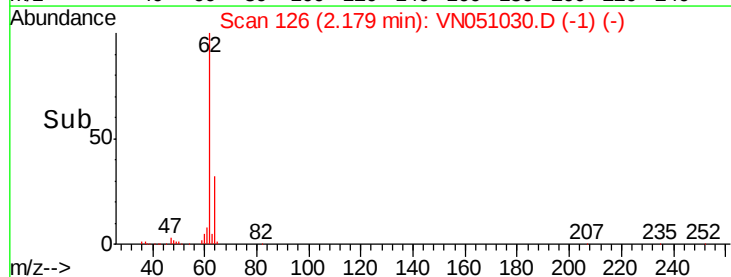
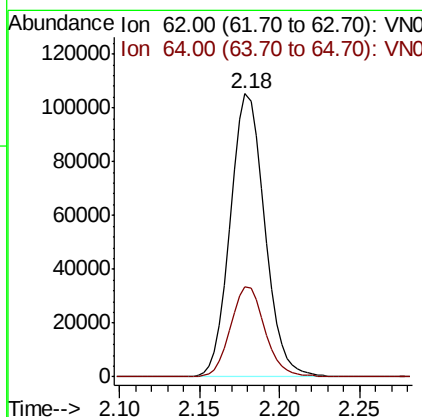
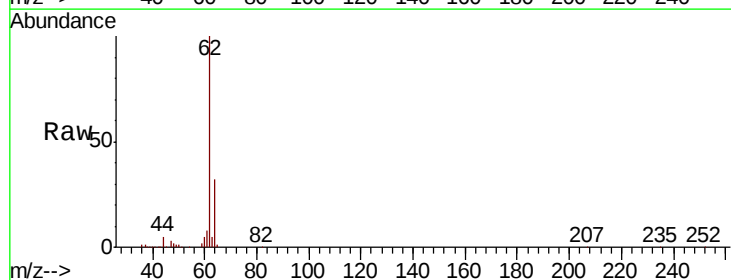
Acq: 6 Sep 2018 12:59

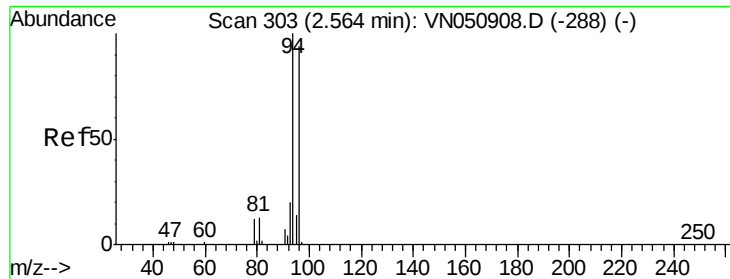
Tgt Ion: 62 Resp: 153930

Ion Ratio Lower Upper

62 100

64 31.7 25.4 38.0





#5

Bromomethane

Concen: 18.17 ug/l

RT: 2.55 min Scan# 243

Delta R.T. -0.01 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 94 Resp: 103931

Ion Ratio Lower Upper

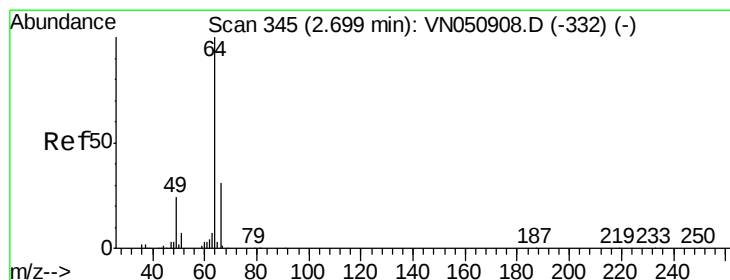
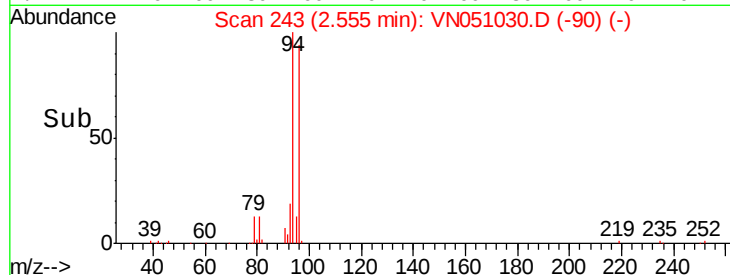
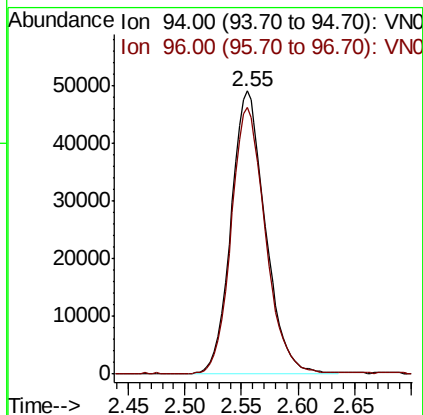
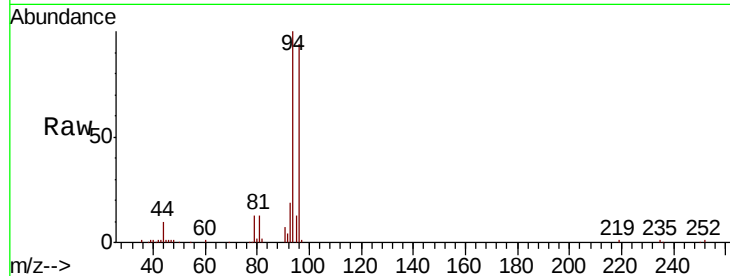
94 100

96 94.4 74.9 112.3

Manual Integrations
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9/7/2018 11:23:21 AM



#6

Chloroethane

Concen: 16.76 ug/l

RT: 2.70 min Scan# 287

Delta R.T. -0.00 min

Lab File: VN051030.D

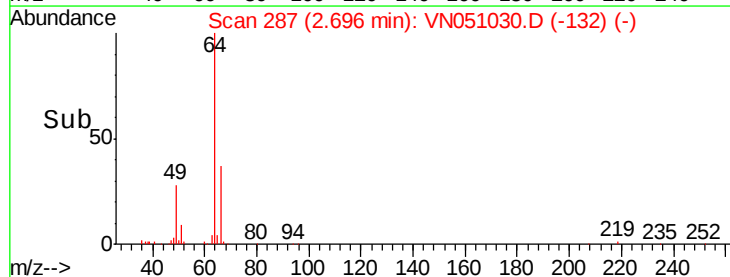
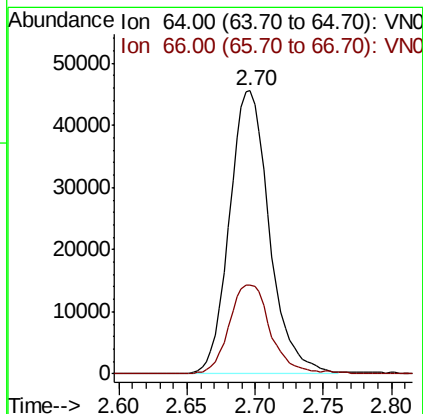
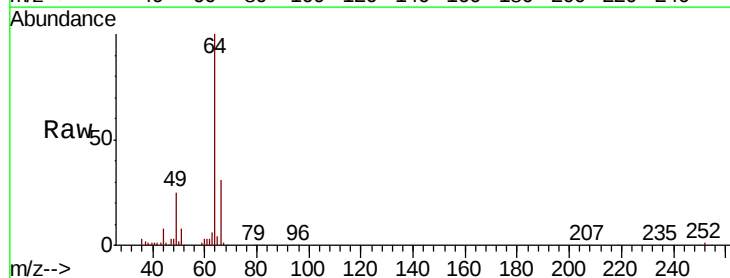
Acq: 6 Sep 2018 12:59

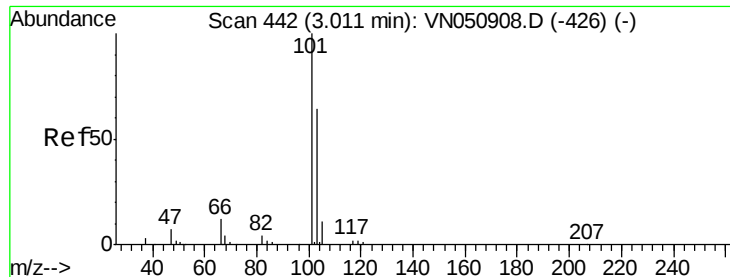
Tgt Ion: 64 Resp: 92754

Ion Ratio Lower Upper

64 100

66 31.5 24.5 36.7





#7

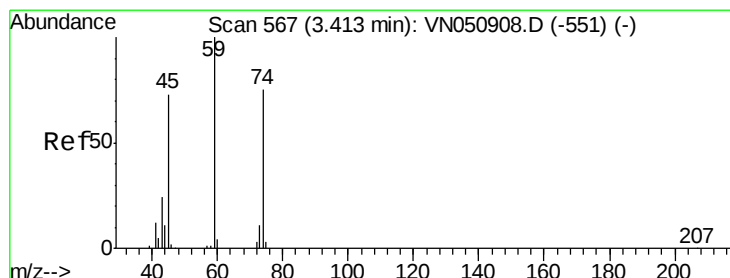
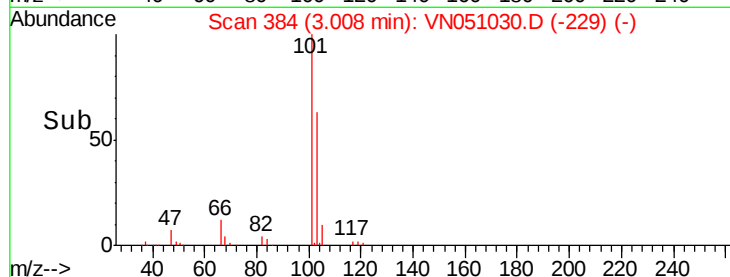
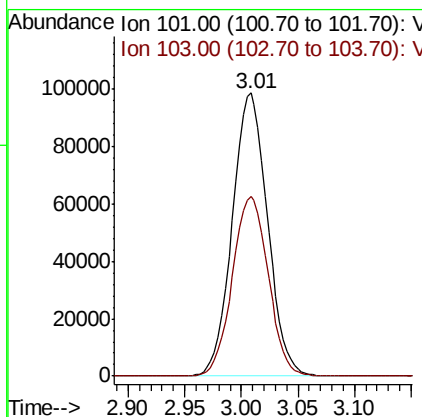
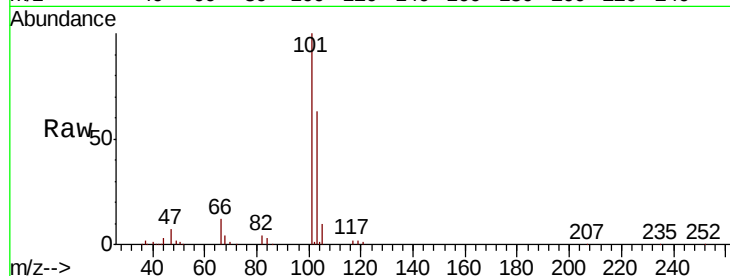
Trichlorofluoromethane
 Concen: 17.19 ug/l
 RT: 3.01 min Scan# 384
 Delta R.T. -0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		213908		
103	63.5	51.3	76.9		

Manual Integrations
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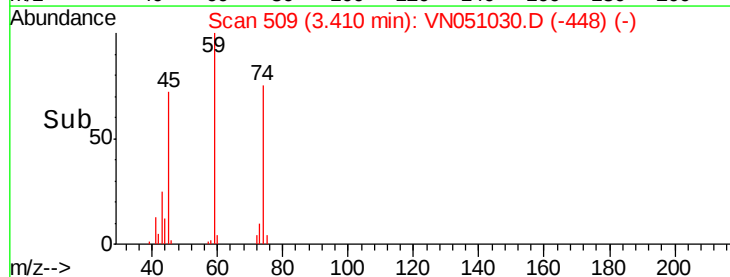
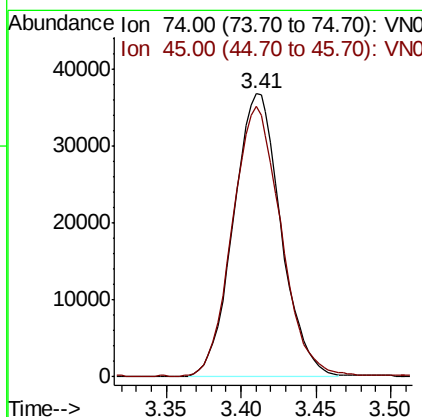
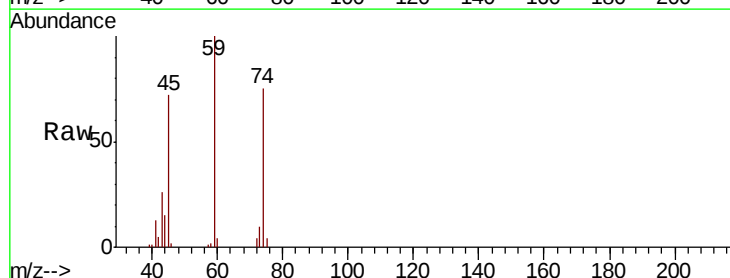
MMDadoda
 9/7/2018 11:23:21 AM

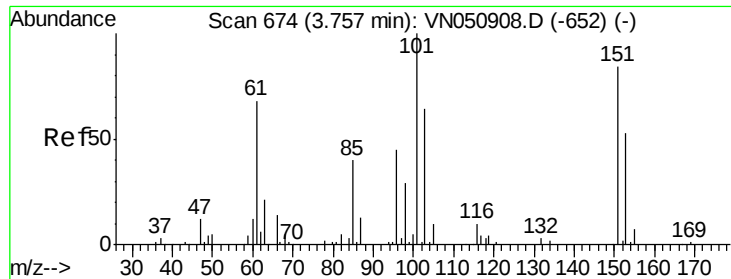


#8

Diethyl Ether
 Concen: 18.53 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		81298		
45	98.1	19.7	177.1		





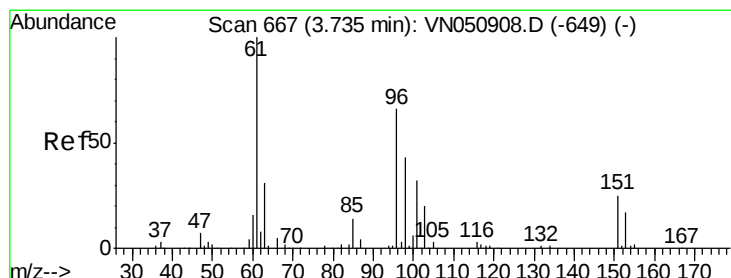
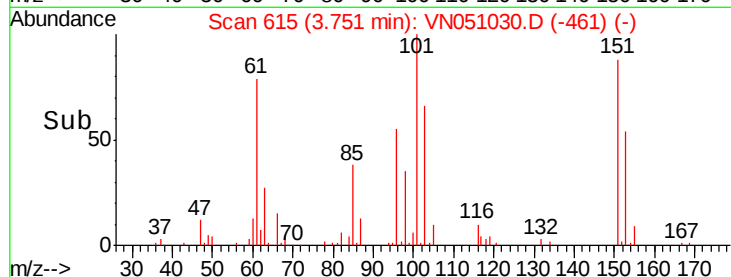
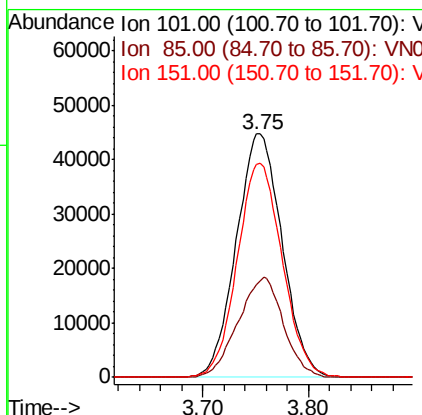
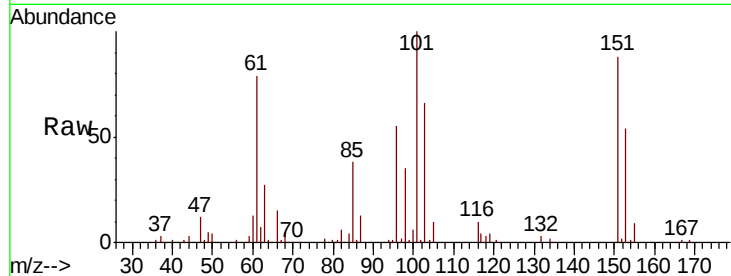
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 17.53 ug/l
 RT: 3.75 min Scan# 615
 Delta R.T. -0.01 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Resp Lower	Upper
101	100		
85	40.5	0.0	83.6
151	86.3	0.0	167.0

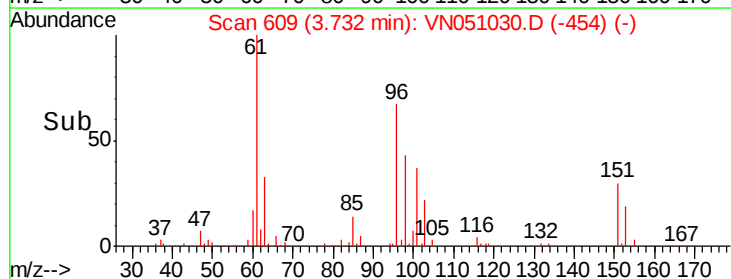
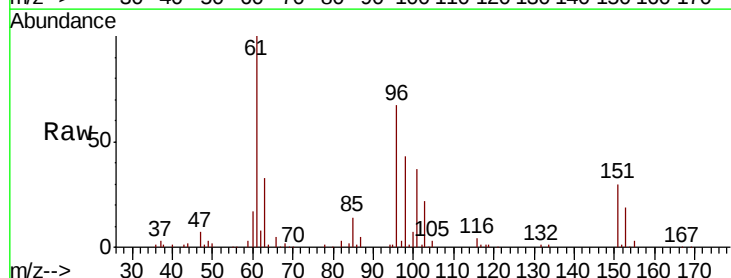
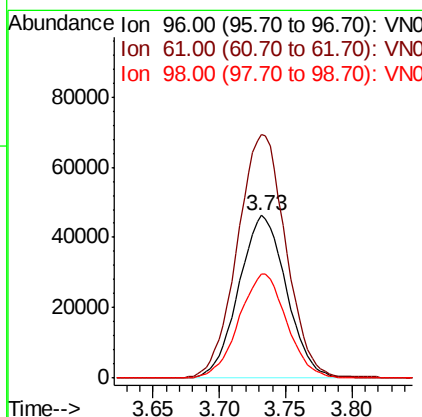
Manual Integrations
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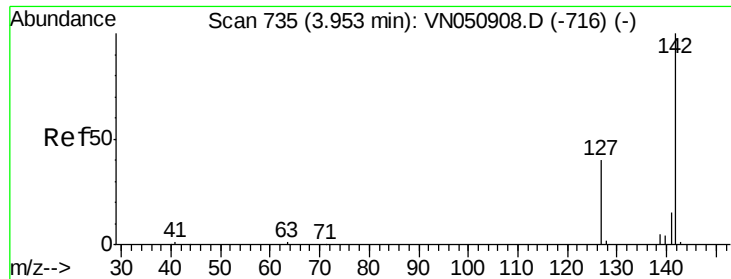
MMDadoda
 9/7/2018 11:23:21 AM



#10
 1,1-Dichloroethene
 Concen: 16.48 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Resp Lower	Upper
96	100		
61	148.9	121.8	182.8
98	64.1	52.3	78.5





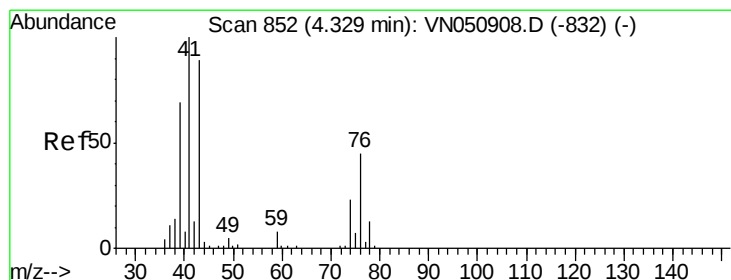
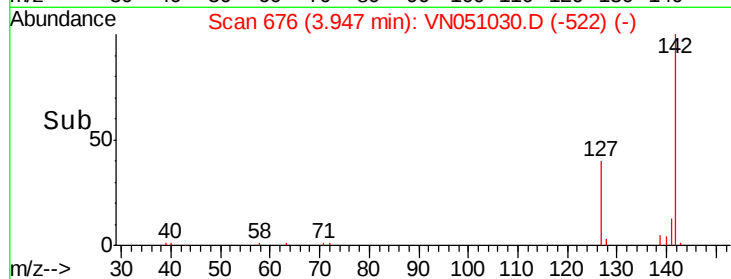
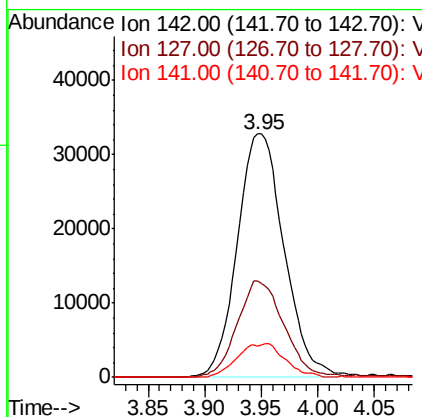
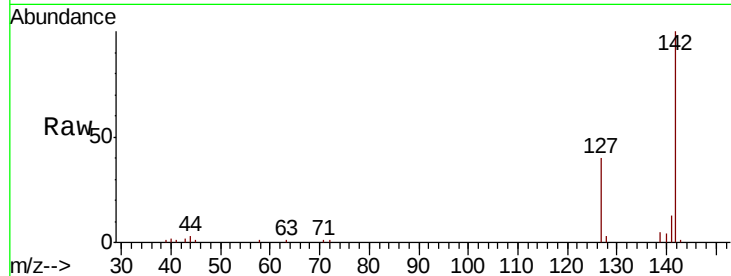
#11
Methvl Iodide
Concen: 14.44 ug/l
RT: 3.95 min Scan# 676
Delta R.T. -0.01 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
142	100		
127	39.7	19.7	59.1
141	13.1	7.3	22.0

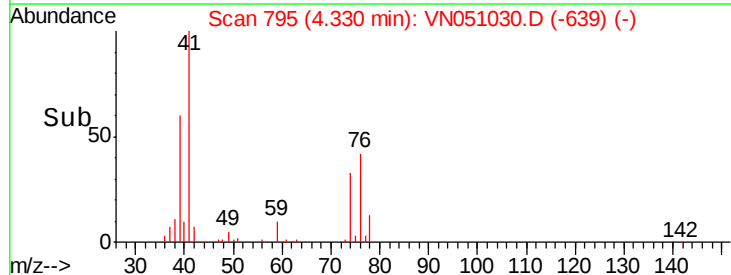
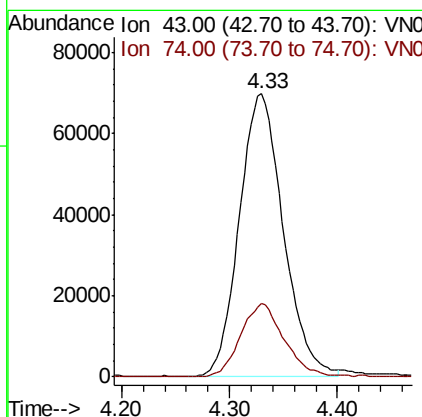
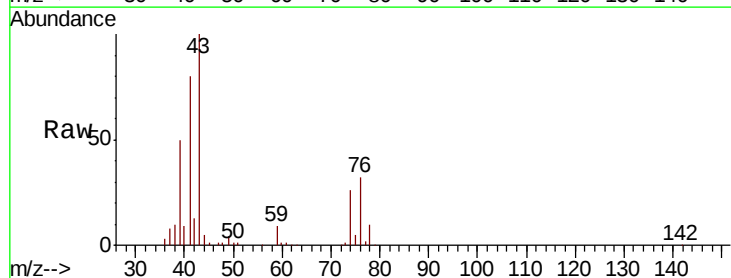
Manual Integrations
APPROVED

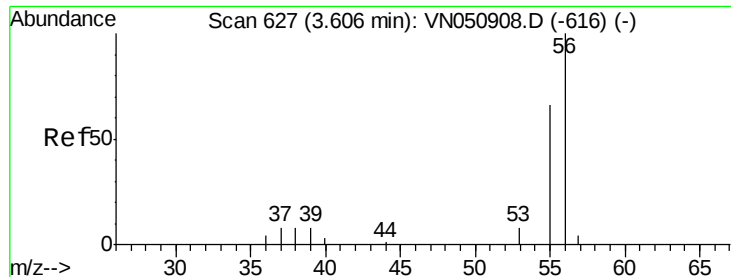
MMDadoda
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#12
Methyl Acetate
Concen: 24.29 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	20.6	31.0





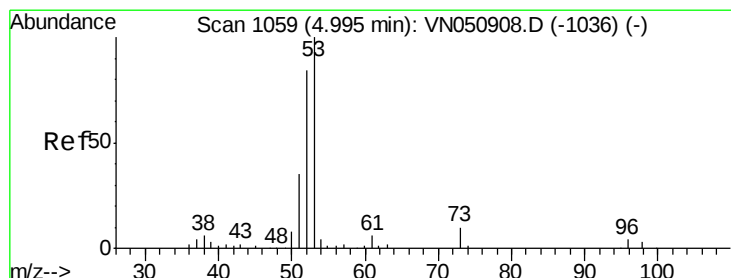
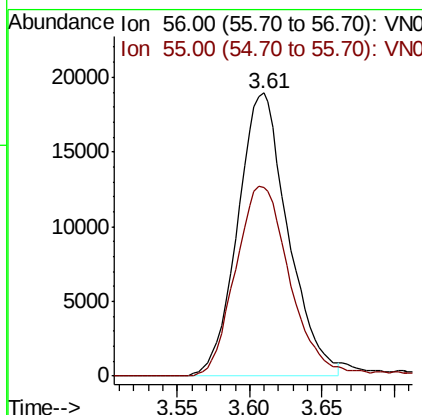
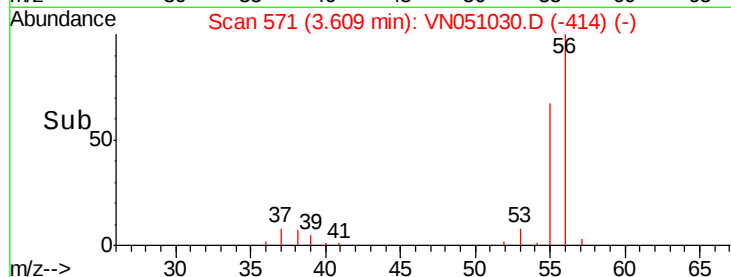
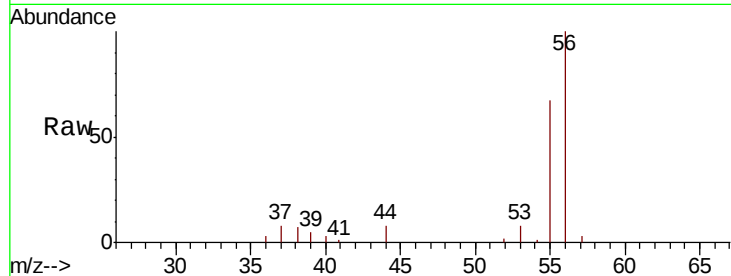
#13
Acrolein
Concen: 255.08 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion: 56 Resp: 45711
Ion Ratio Lower Upper
56 100
55 71.8 59.1 88.7

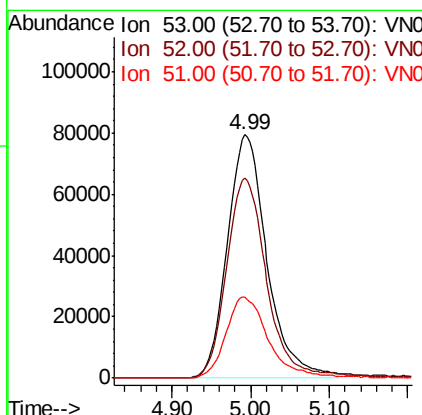
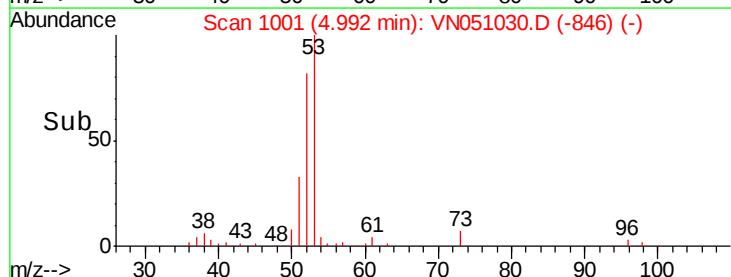
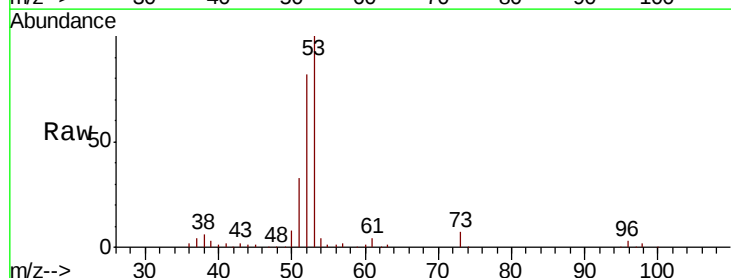
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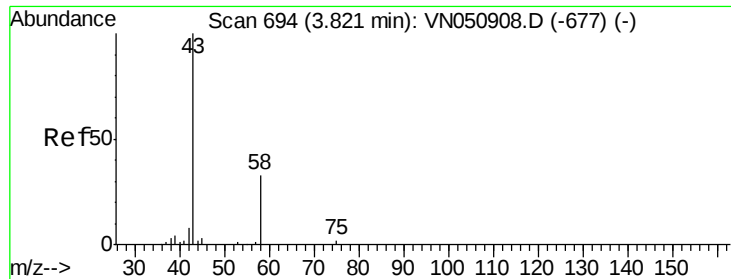
MMDadoda
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#14
Acrylonitrile
Concen: 101.95 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion: 53 Resp: 278960
Ion Ratio Lower Upper
53 100
52 82.9 42.2 126.6
51 35.2 17.7 53.1





#15

Acetone

Concen: 105.70 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 58 Resp: 74009

Ion Ratio Lower Upper

58 100

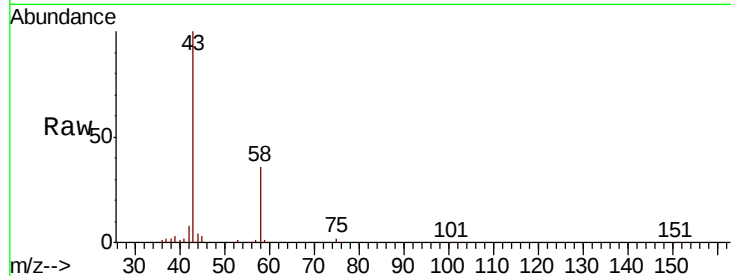
43 274.7 239.4 359.0

Manual Integrations

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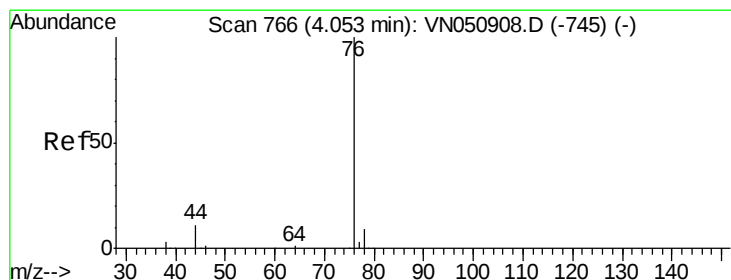
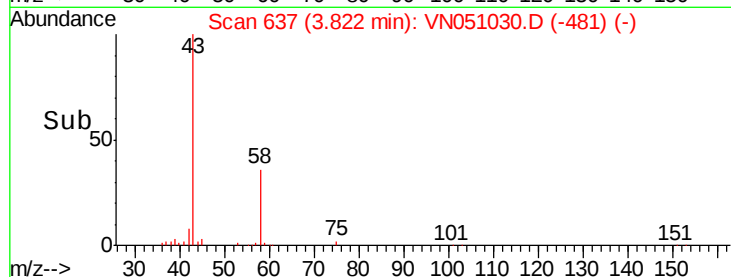
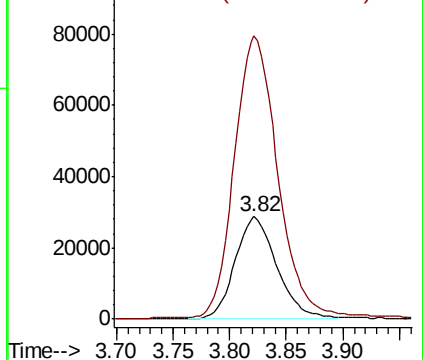
MMDadoda

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Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 15.39 ug/l

RT: 4.05 min Scan# 708

Delta R.T. -0.00 min

Lab File: VN051030.D

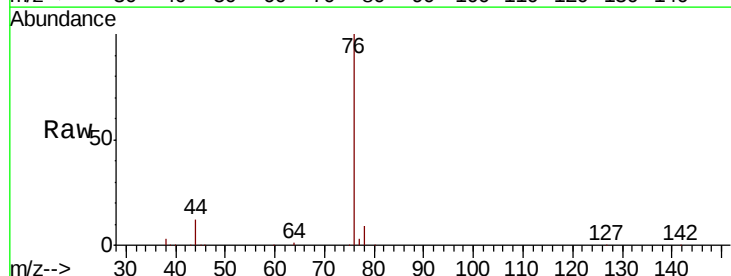
Acq: 6 Sep 2018 12:59

Tgt Ion: 76 Resp: 323935

Ion Ratio Lower Upper

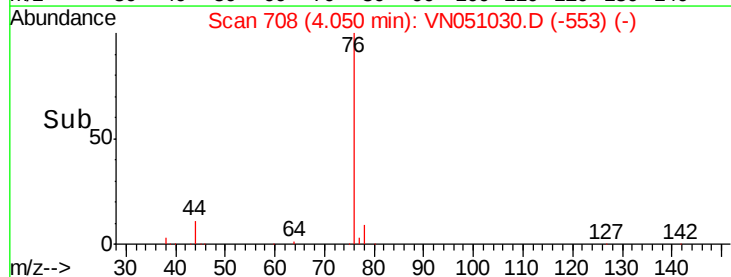
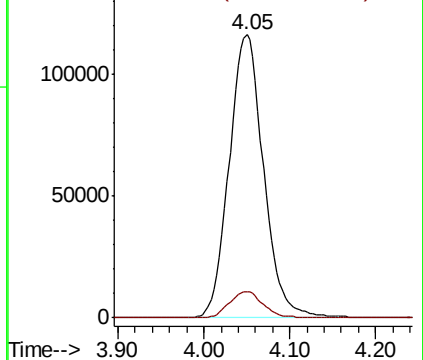
76 100

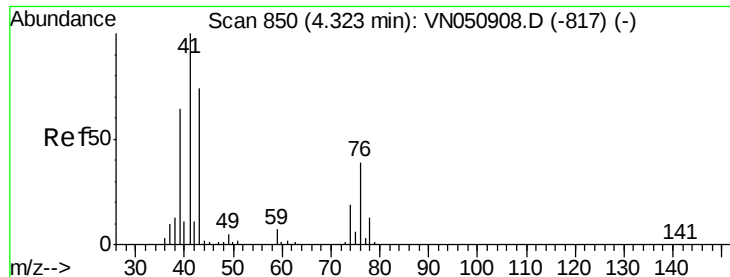
78 9.2 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





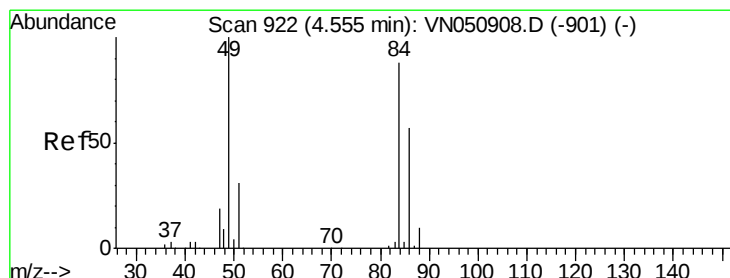
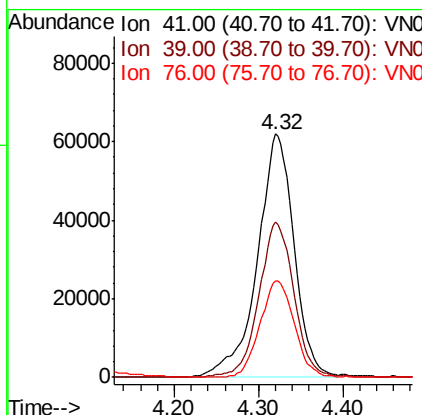
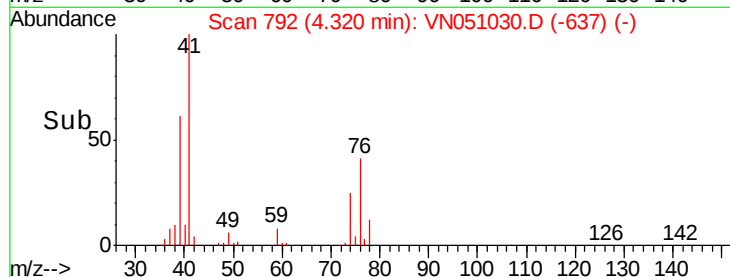
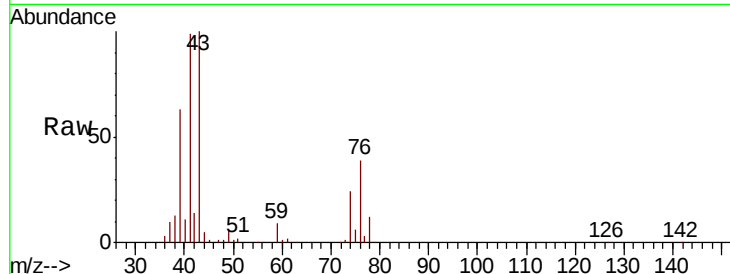
#17
Allvl chloride
Concen: 16.96 ug/l
RT: 4.32 min Scan# 792
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion:	41	Resp:	186763
Ion Ratio	Lower	Upper	
41	100		
39	63.7	32.2	96.6
76	39.4	19.6	58.7

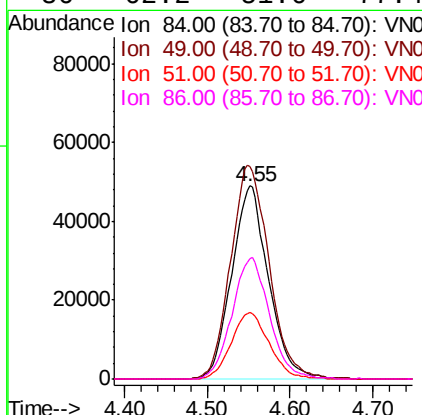
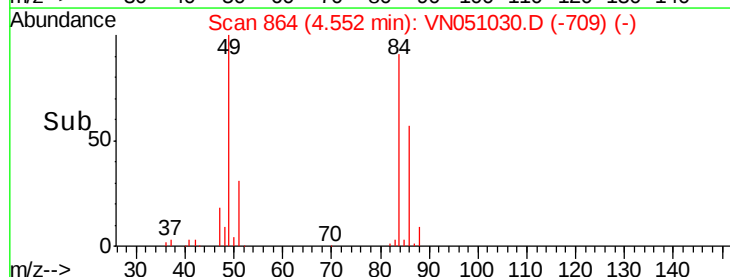
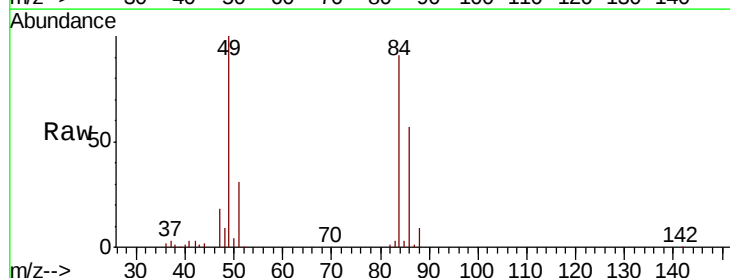
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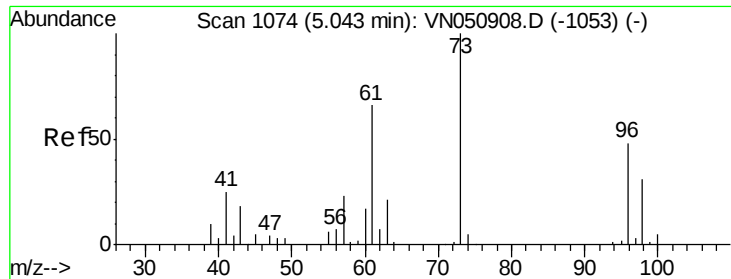
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#18
Methylene Chloride
Concen: 18.46 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion:	84	Resp:	151623
Ion Ratio	Lower	Upper	
84	100		
49	110.0	90.6	135.8
51	34.2	28.4	42.6
86	62.2	51.6	77.4





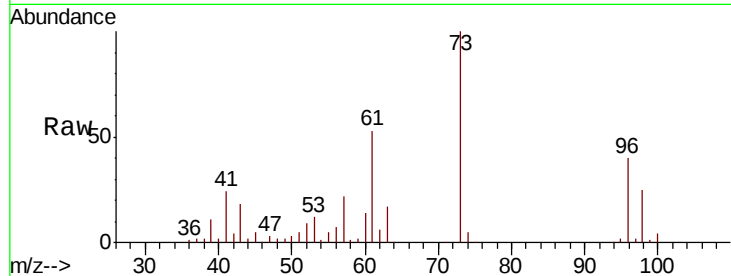
#19
trans-1,2-Dichloroethene
Concen: 17.16 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.5	109.5	164.3
98	63.4	51.9	77.9

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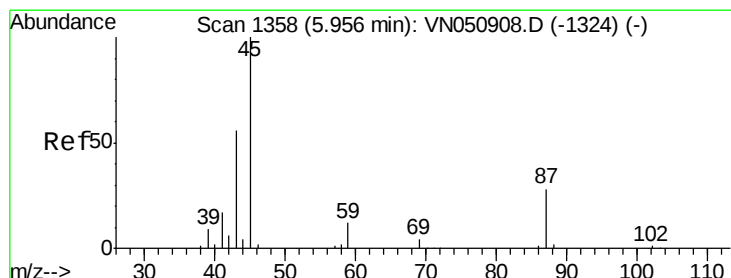
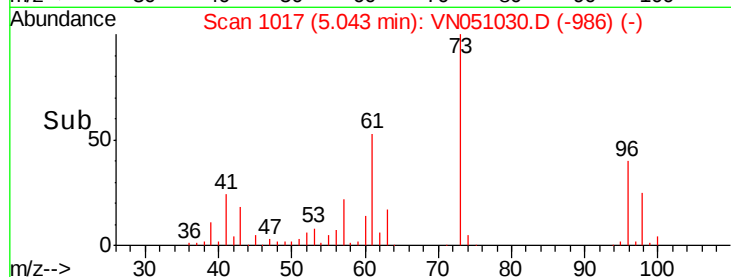
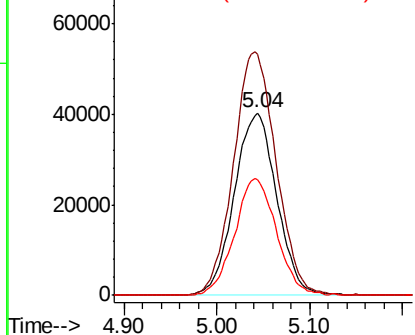


Abundance

Ion 96.00 (95.70 to 96.70): VNC

Ion 61.00 (60.70 to 61.70): VNC

Ion 98.00 (97.70 to 98.70): VNC



#20
Diisopropyl ether
Concen: 18.89 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.6	47.0	70.6
87	28.5	22.8	34.2
59	12.3	9.5	14.3

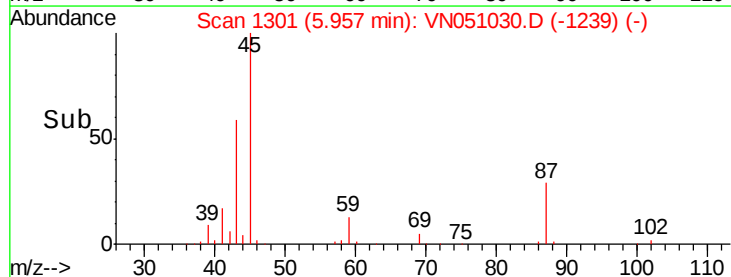
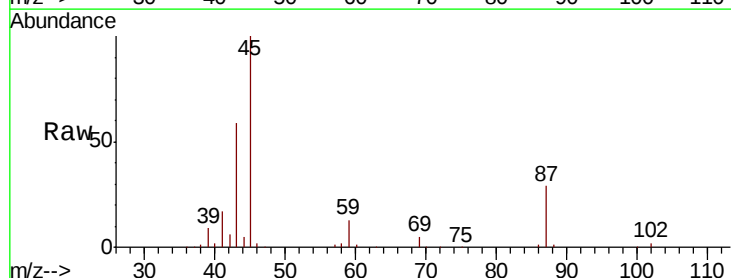
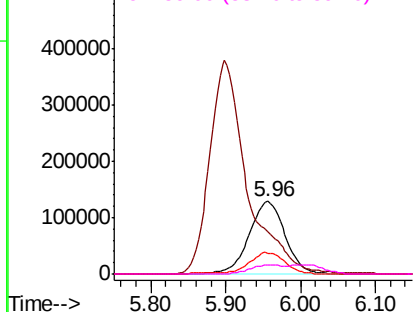
Abundance

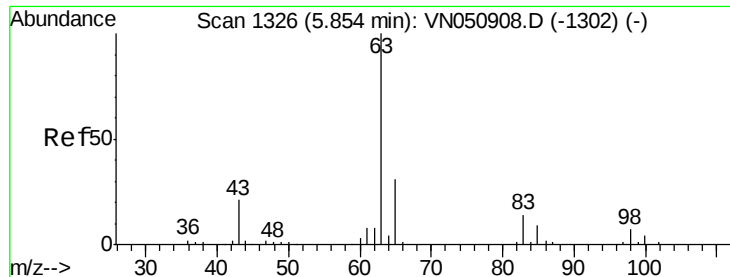
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





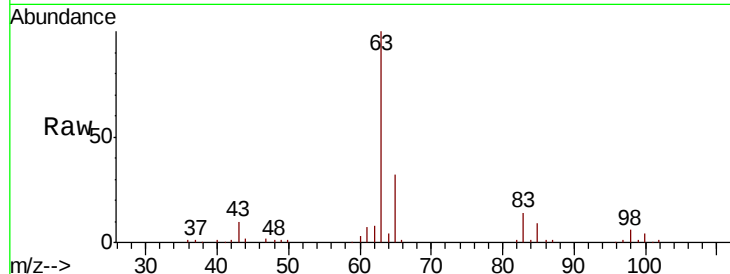
#21
 1,1-Dichloroethane
 Concen: 17.76 ug/l
 RT: 5.85 min Scan# 1267
 Delta R.T. -0.01 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

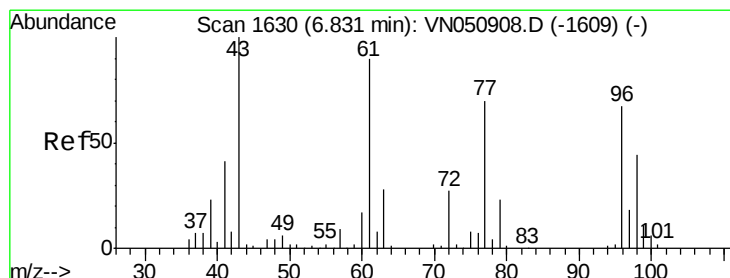
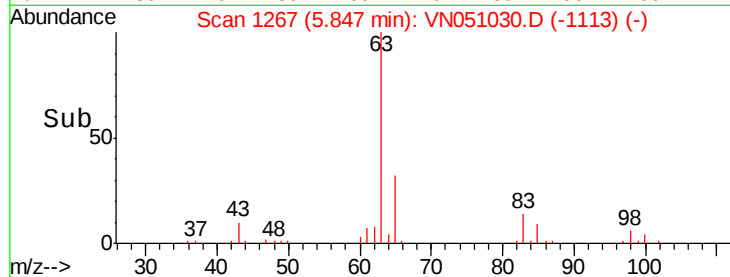
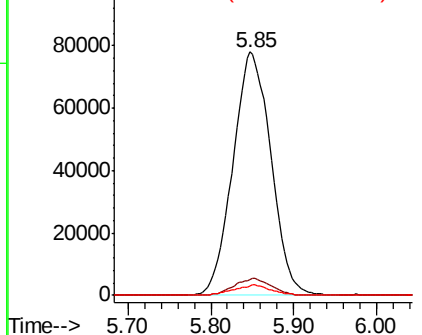
Tot Ion	Ratio	Resp	Lower	Upper
63	100	248961		
98	6.3	3.3	9.9	
100	3.9	2.0	6.0	

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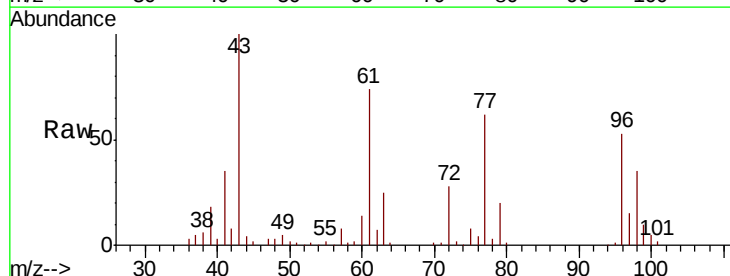


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

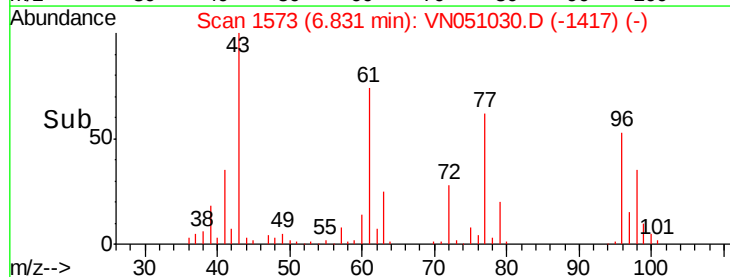
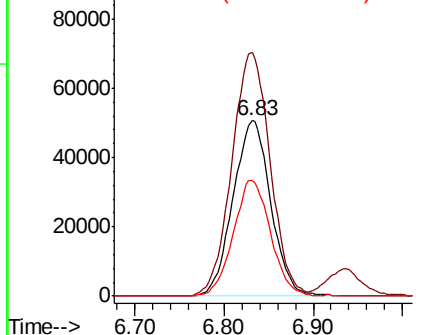


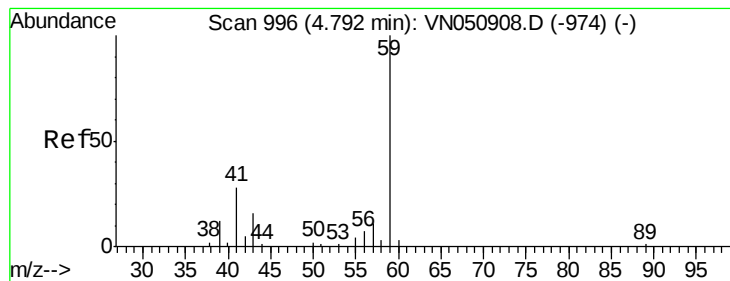
#22
 cis-1,2-Dichloroethene
 Concen: 17.62 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	148444		
61	141.2	110.0	165.0	
98	65.2	51.7	77.5	



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





#23

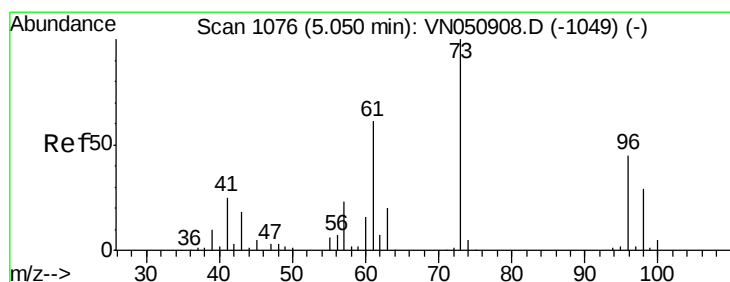
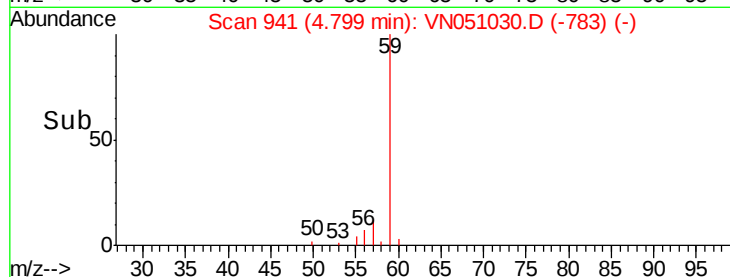
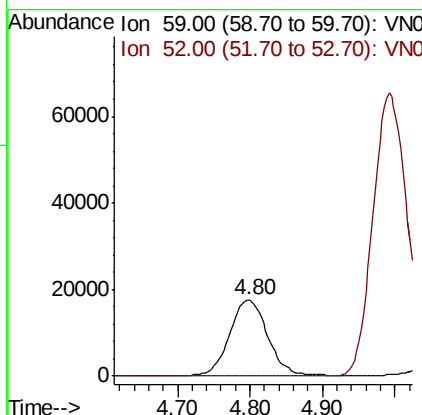
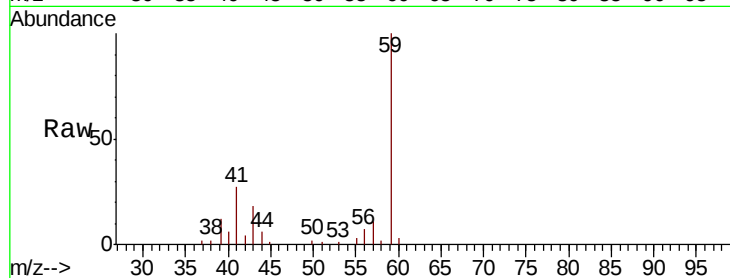
tert-Butyl Alcohol
 Concen: 112.07 ug/l
 RT: 4.80 min Scan# 941
 Delta R.T. 0.01 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

Tot Ion	59	52
Resp: 65218	100	0.0
Ratio		
Lower	0.1	0.1
Upper		

Manual Integrations
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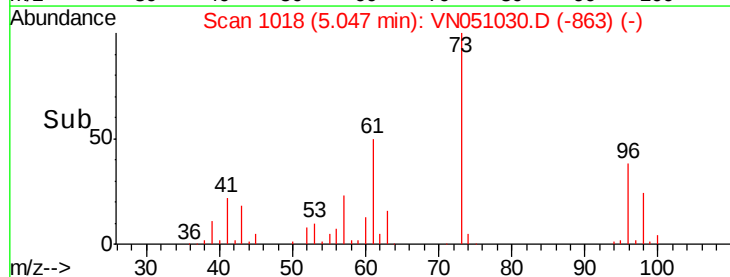
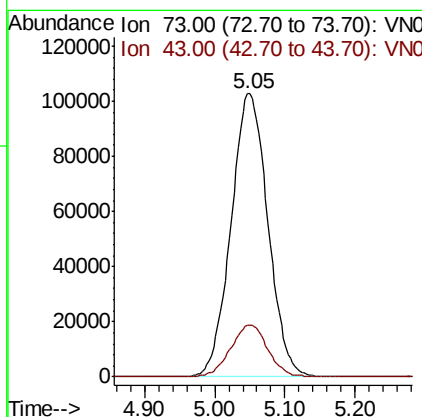
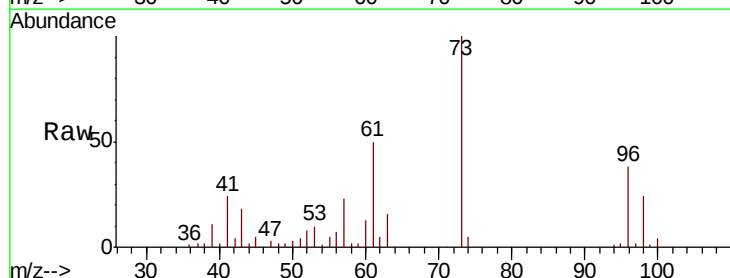
MMDadoda
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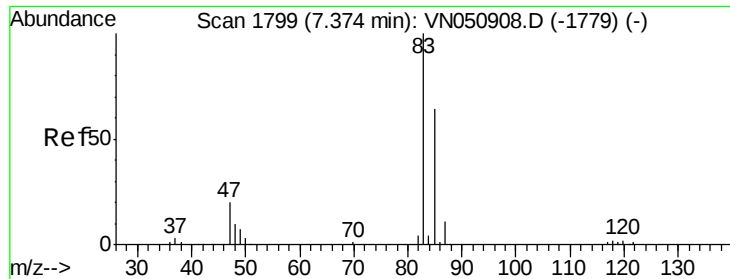


#24

Methyl tert-Butyl Ether
 Concen: 19.57 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	73	43
Resp: 374691	100	17.9
Ratio		
Lower	14.4	21.6
Upper		





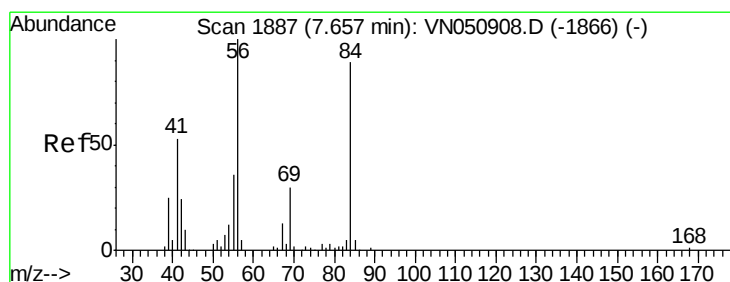
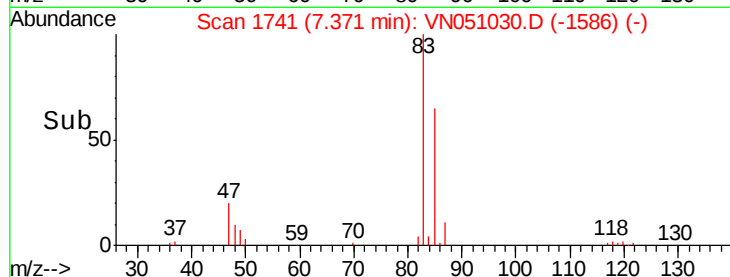
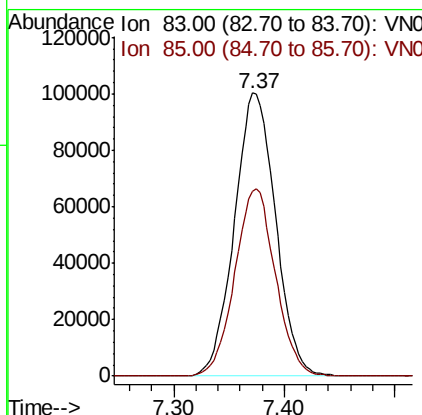
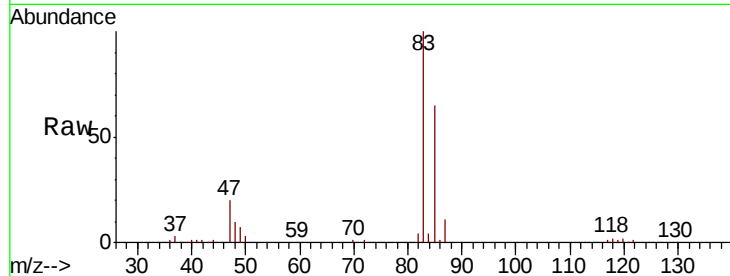
#25
Chloroform
Concen: 18.54 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	83	Resp	259342
Ion Ratio	100	Lower	Upper
83	100		
85	65.2	51.4	77.0

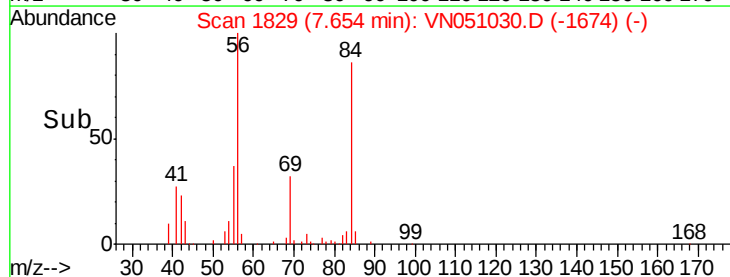
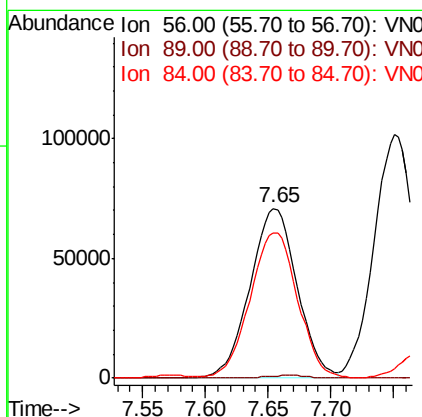
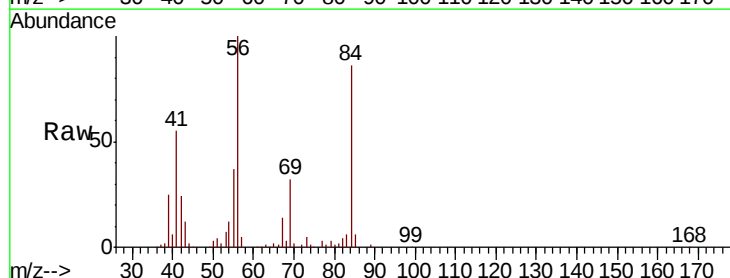
Manual Integrations
APPROVED

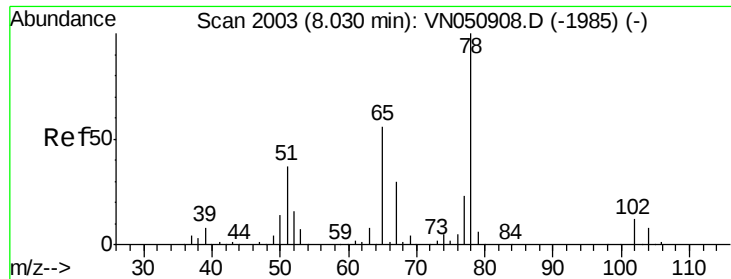
MMDadoda
9/7/2018 11:23:21 AM



#26
Cyclohexane
Concen: 15.97 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	56	Resp	185483
Ion Ratio	100	Lower	Upper
56	100		
89	1.4	0.4	0.6#
84	86.6	70.4	105.6





#27

1,2-Dichloroethane-d4

Concen: 29.91 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion: 65 Resp: 247197

Ion Ratio Lower Upper

65 100

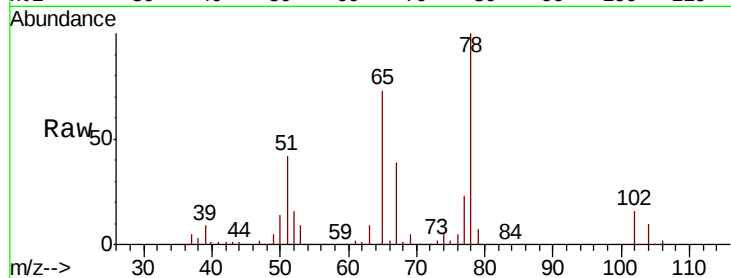
67 53.7 43.7 65.5

Manual Integrations

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Abundance Ion 65.00 (64.70 to 65.70): VN051030.D (-1945) (-)

Ion 67.00 (66.70 to 67.70): VN051030.D (-1945) (-)

8.03

120000

100000

80000

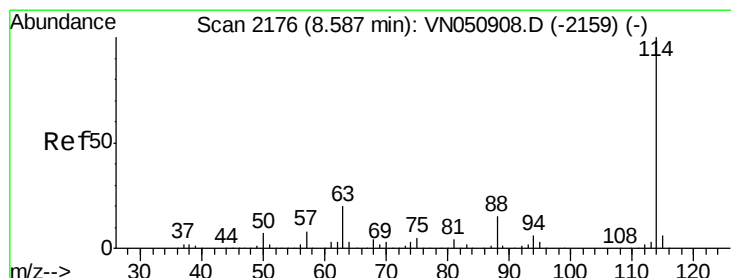
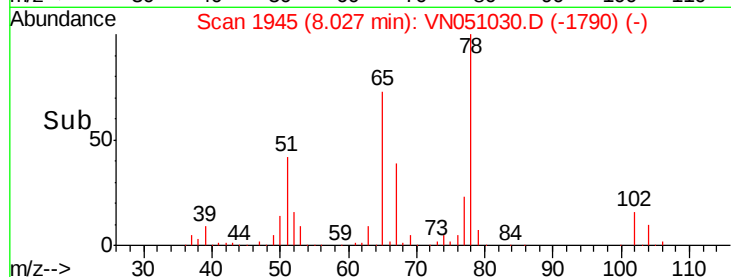
60000

40000

20000

0

Time-->



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

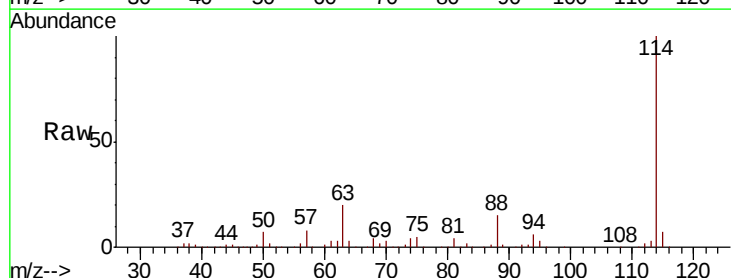
Tgt Ion:114 Resp: 649750

Ion Ratio Lower Upper

114 100

63 19.3 15.6 23.4

88 15.1 12.2 18.4



Abundance Ion 114.00 (113.70 to 114.70): VN051030.D (-1963) (-)

Ion 63.00 (62.70 to 63.70): VN051030.D (-1963) (-)

Ion 88.00 (87.70 to 88.70): VN051030.D (-1963) (-)

8.59

400000

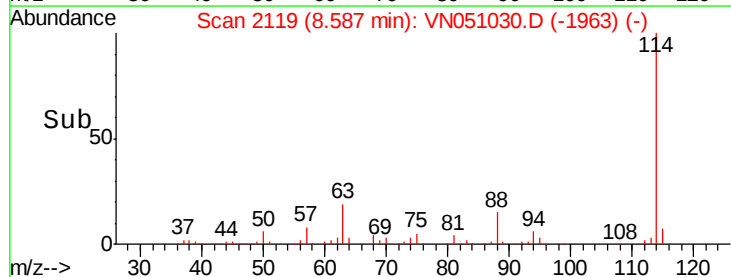
300000

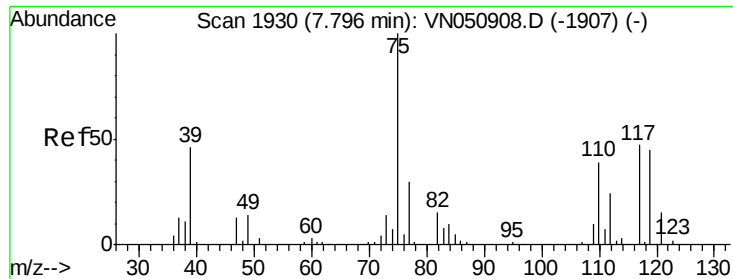
200000

100000

0

Time-->





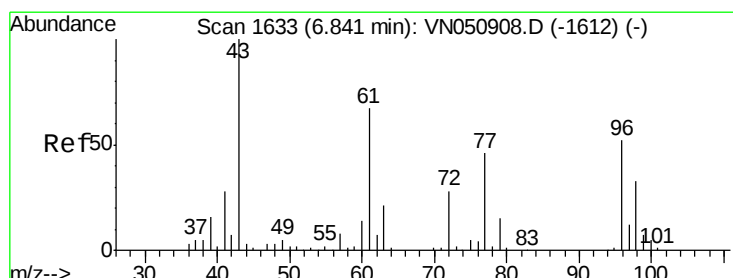
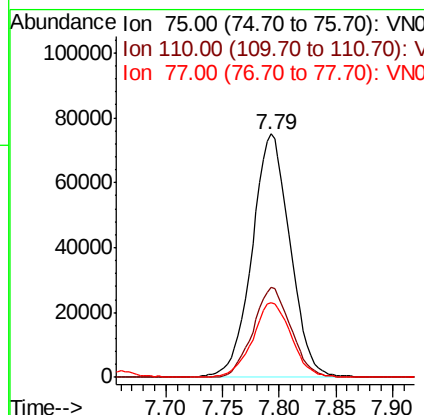
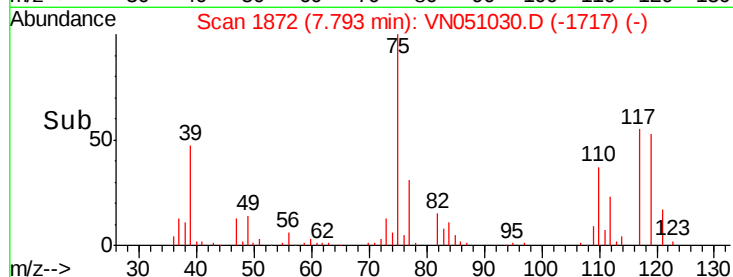
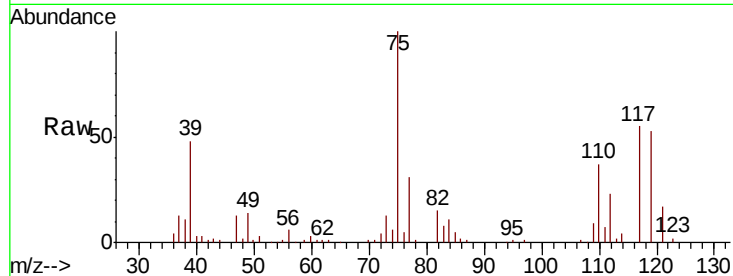
#29
 1,1-Dichloropropene
 Concen: 17.99 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.8	0.0	75.0
77	31.2	0.0	60.6

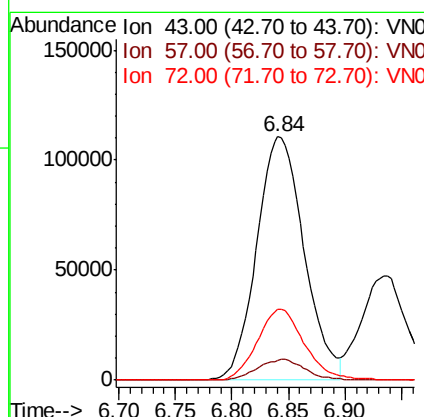
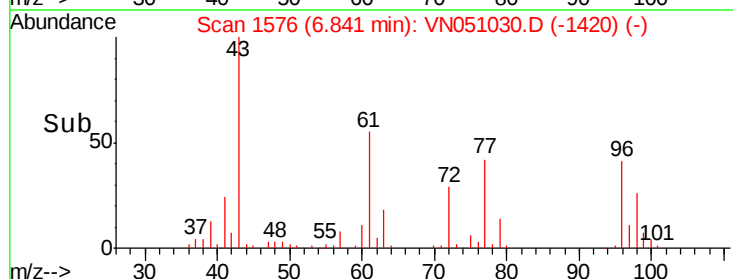
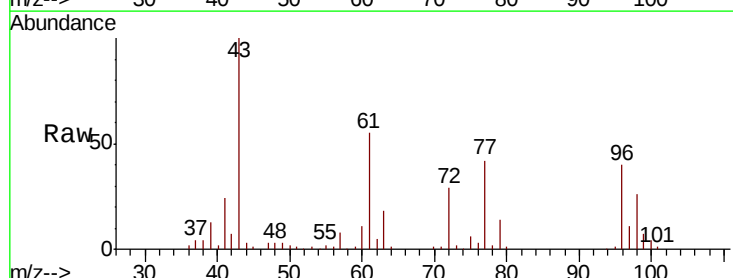
Manual Integrations
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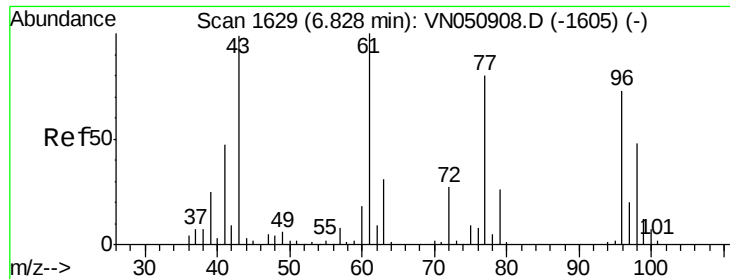
MMDadoda
 9/7/2018 11:23:21 AM



#30
 2-Butanone
 Concen: 107.12 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.6	6.9	10.3
72	29.1	22.8	34.2





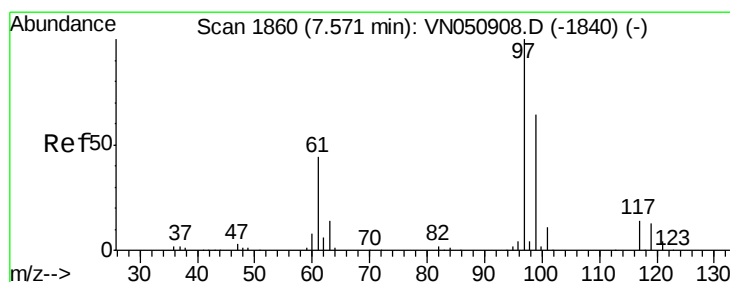
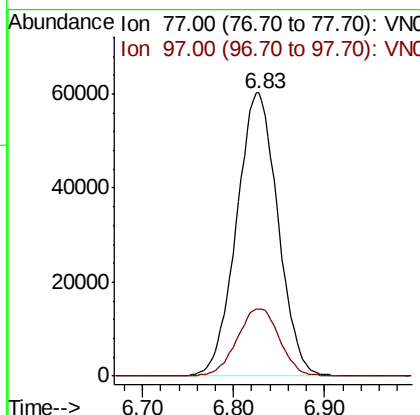
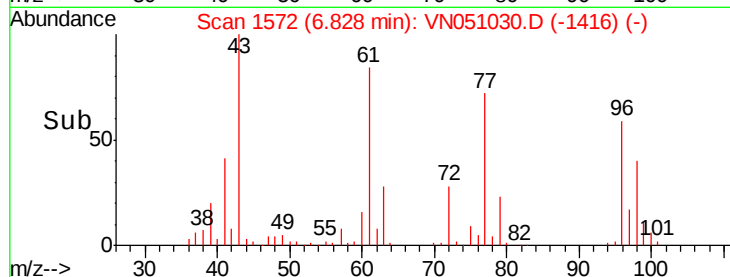
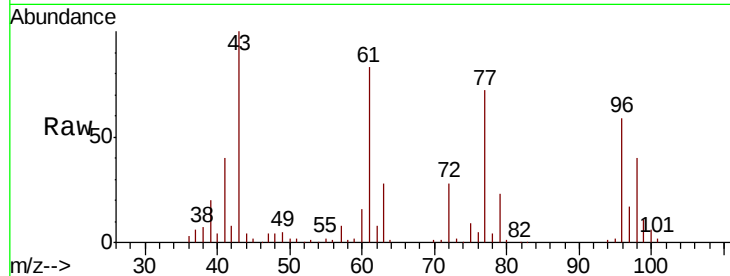
#31
 2,2-Dichloropropane
 Concen: 20.09 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

Tot Ion: 77 Resp: 190153
 Ion Ratio Lower Upper
 77 100
 97 24.4 20.2 30.2

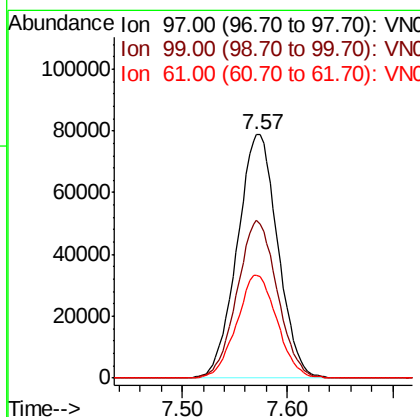
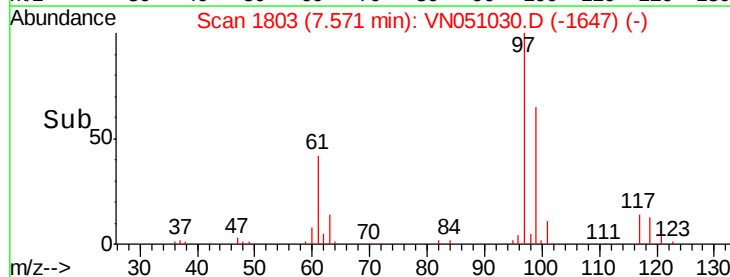
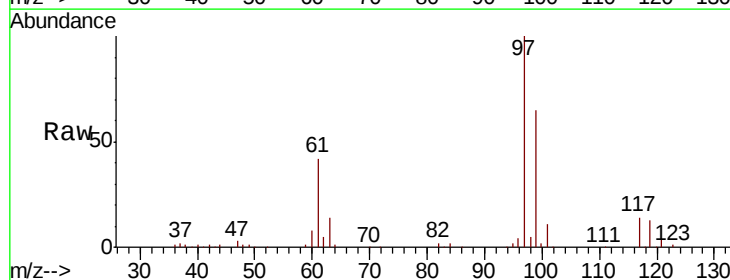
Manual Integrations
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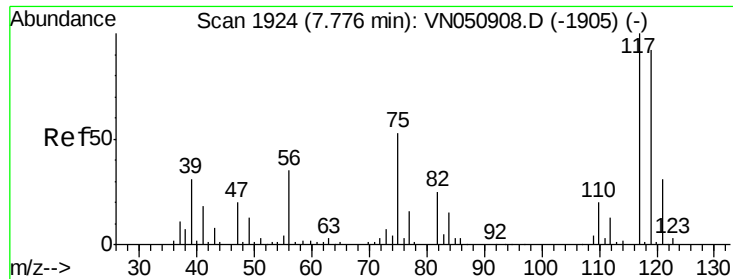
MMDadoda
 9/7/2018 11:23:21 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.13 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion: 97 Resp: 211032
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.0 78.0
 61 42.1 35.0 52.6





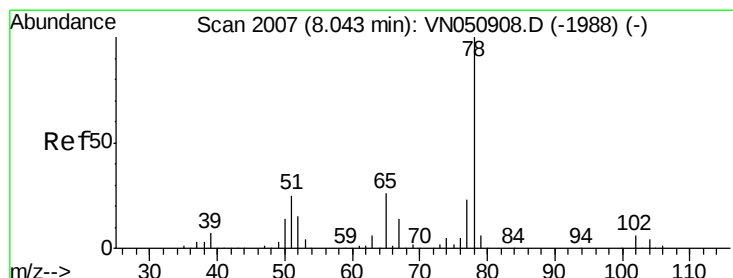
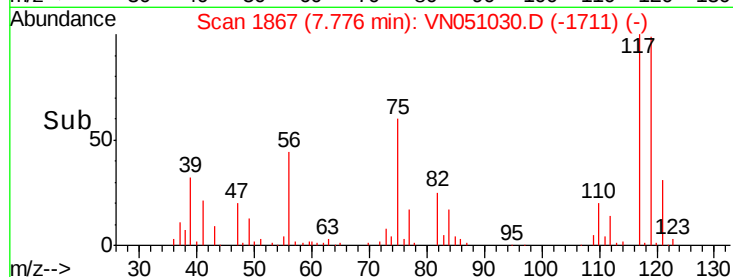
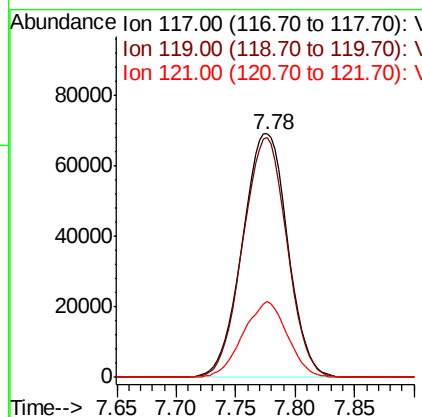
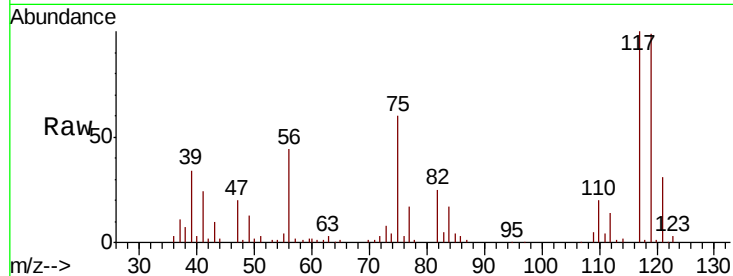
#33
Carbon Tetrachloride
Concen: 18.37 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
119	98.6	73.5	110.3
121	31.0	24.6	37.0

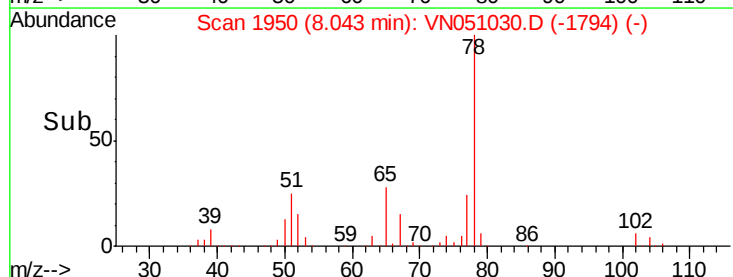
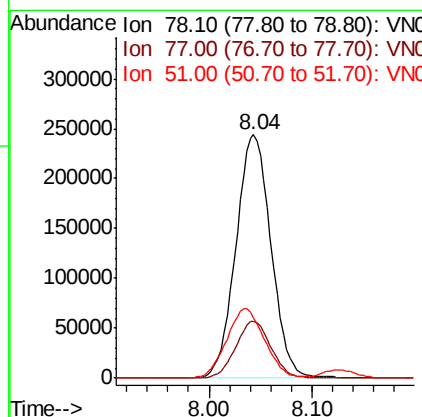
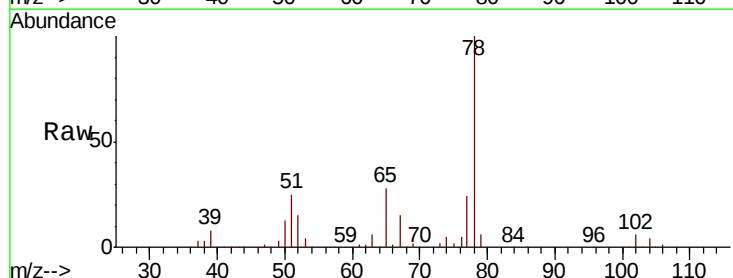
Manual Integrations
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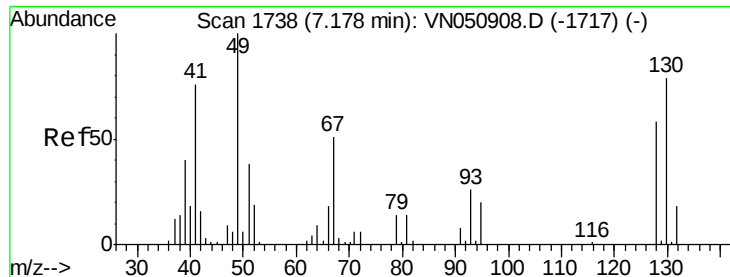
MMDadoda
9/7/2018 11:23:21 AM



#34
Benzene
Concen: 19.19 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	28.0
51	24.7	20.0	30.0





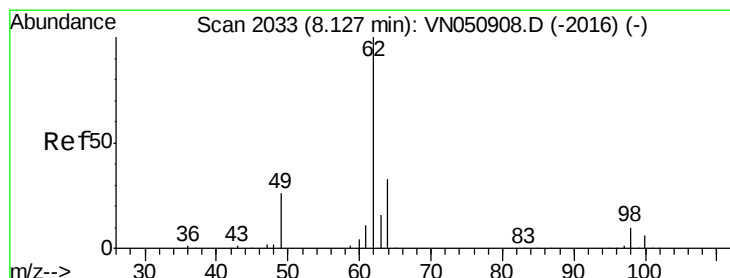
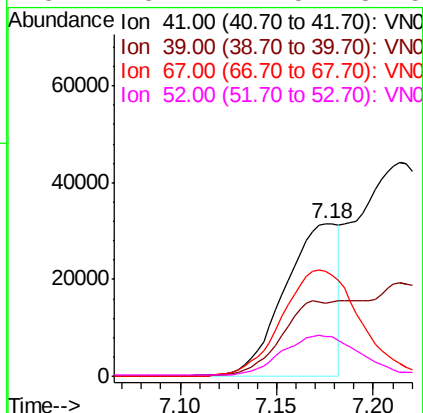
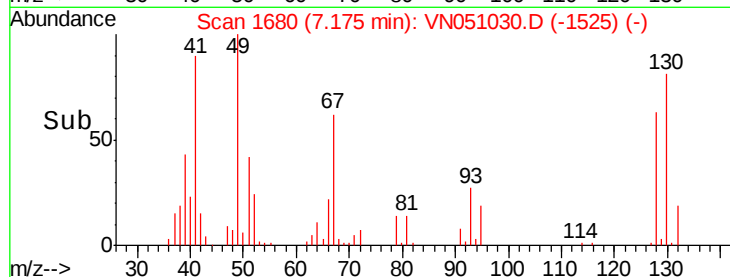
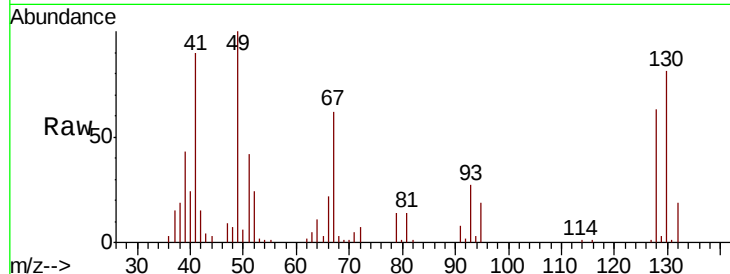
#35
Methacrylonitrile
Concen: 18.52 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	41	Resp:	60718
Ion	Ratio	Lower	Upper
41	100		
39	47.9	26.2	78.5
67	68.9	33.9	101.6
52	25.7	12.5	37.5

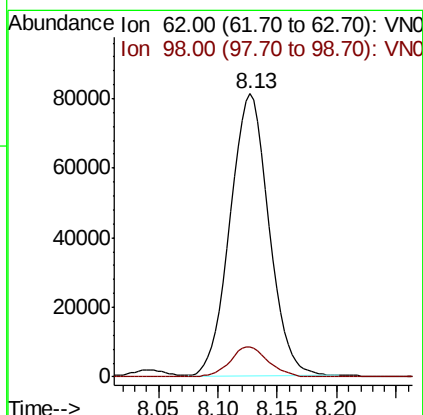
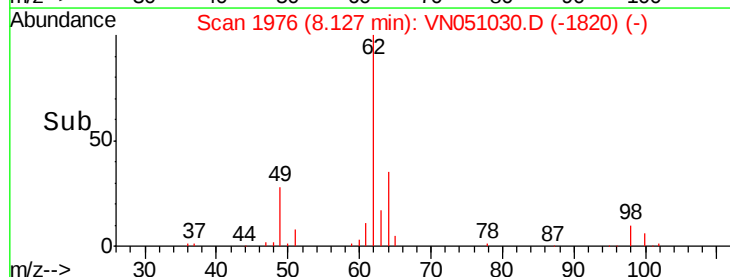
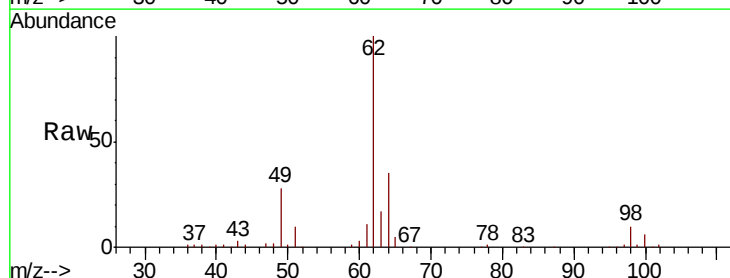
Manual Integrations
APPROVED

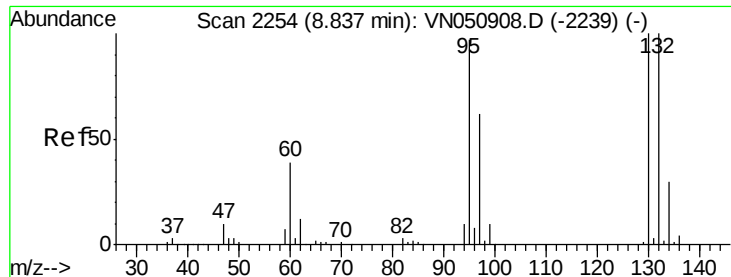
MMDadoda
9/7/2018 11:23:21 AM



#36
1,2-Dichloroethane
Concen: 20.19 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	62	Resp:	183712
Ion	Ratio	Lower	Upper
62	100		
98	10.4	8.0	12.0





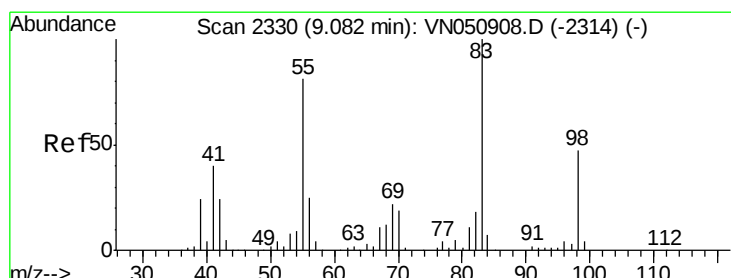
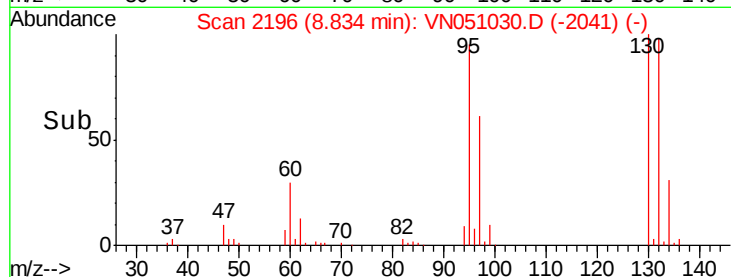
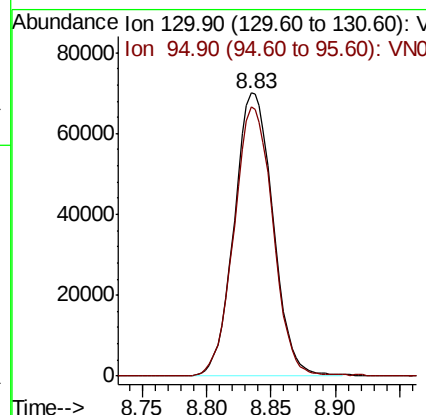
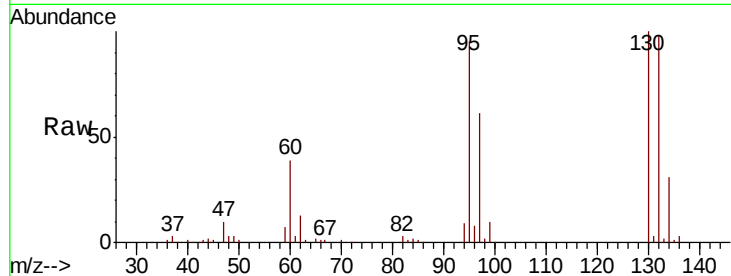
#37
 Trichloroethene
 Concen: 18.63 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion:130 Resp: 146509
 Ion Ratio Lower Upper
 130 100
 95 94.9 77.4 116.0

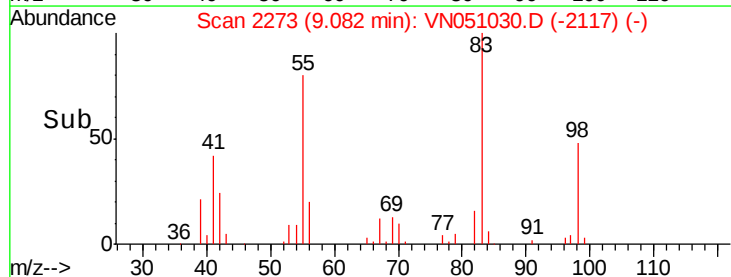
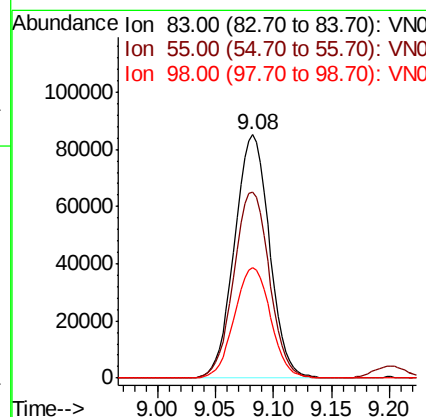
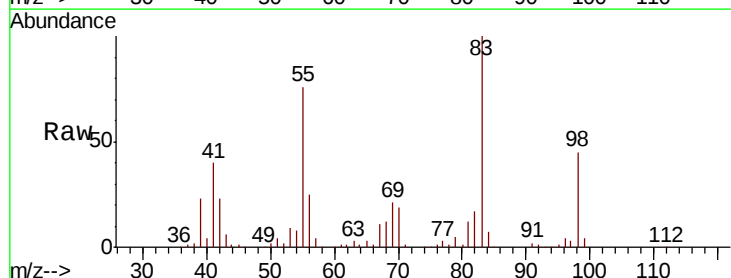
Manual Integrations
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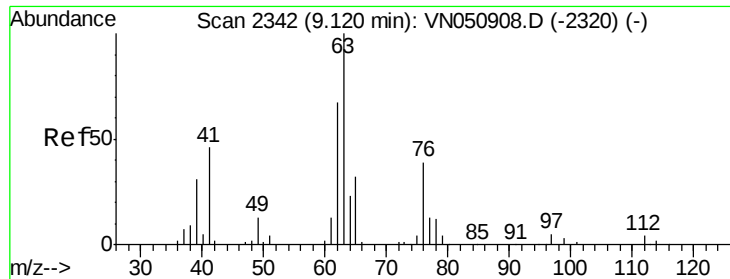
MMDadoda
 9/7/2018 11:23:21 AM



#38
 Methylcyclohexane
 Concen: 17.06 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion: 83 Resp: 178280
 Ion Ratio Lower Upper
 83 100
 55 77.8 38.9 116.7
 98 46.9 22.9 68.7





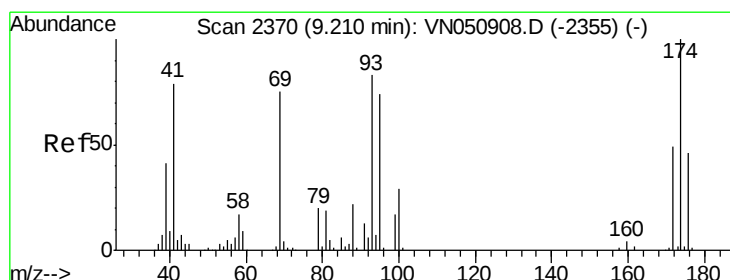
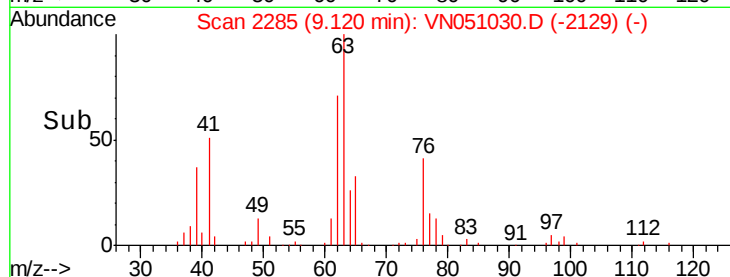
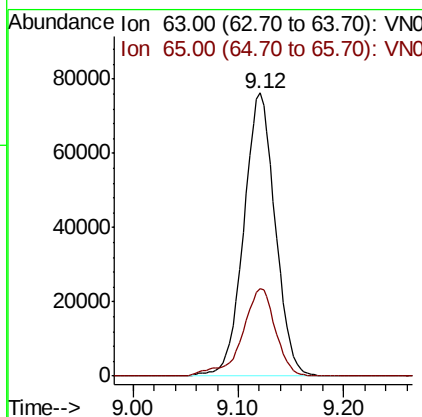
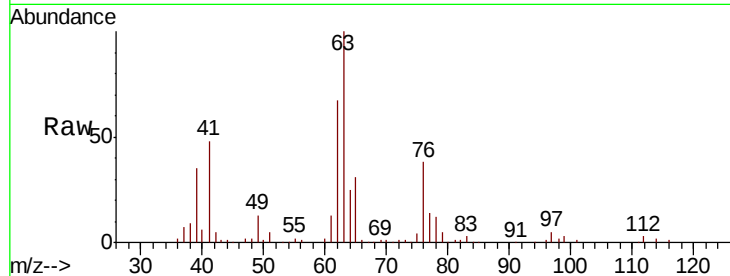
#39
 1,2-Dichloropropane
 Concen: 20.12 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.9	25.6	38.4

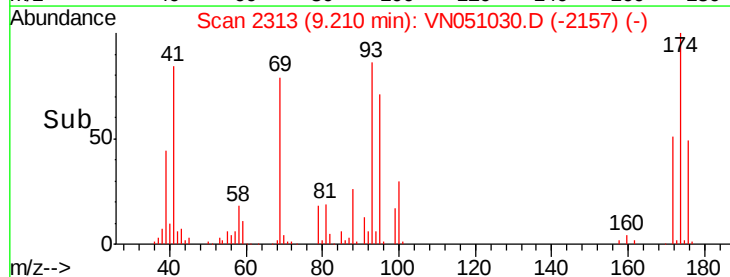
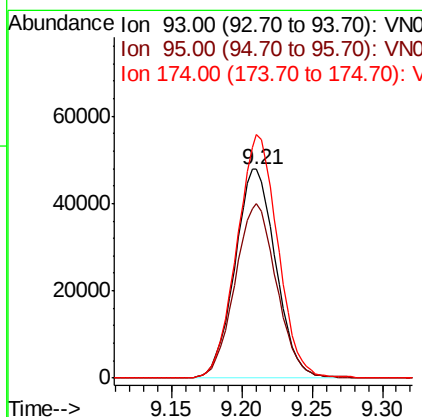
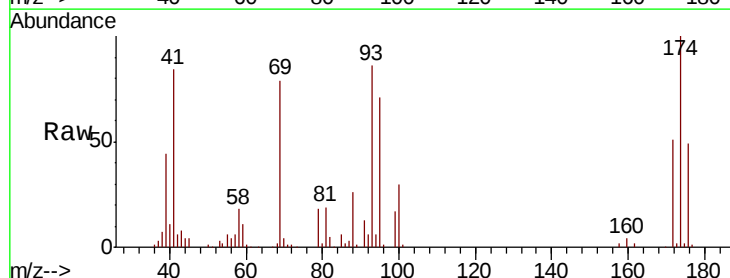
Manual Integrations
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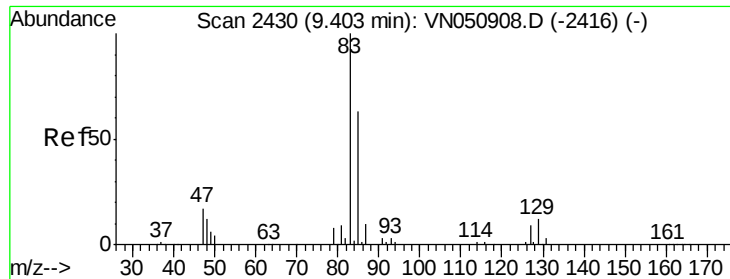
MMDadoda
 9/7/2018 11:23:21 AM



#40
 Dibromomethane
 Concen: 20.52 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	0.0	173.4
174	116.5	0.0	234.8





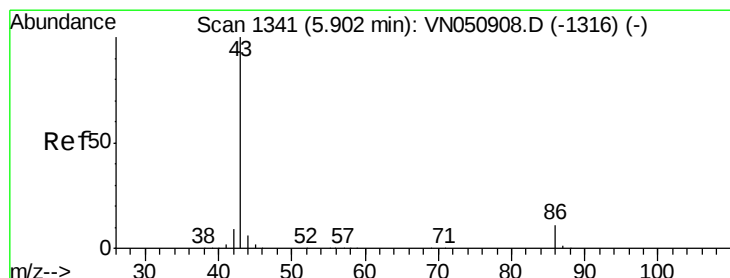
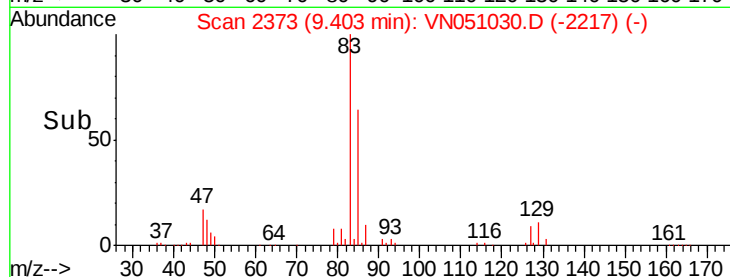
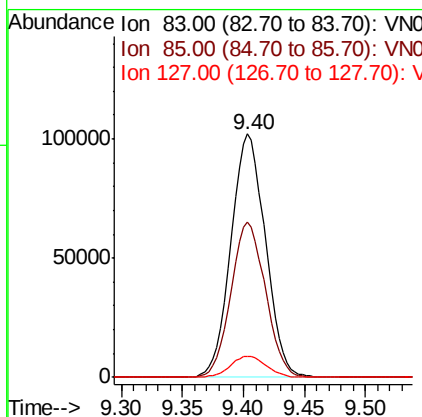
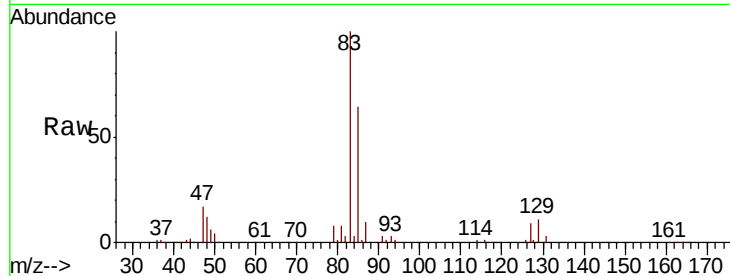
#41
Bromodichloromethane
Concen: 20.05 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.6	76.0
127	8.8	7.1	10.7

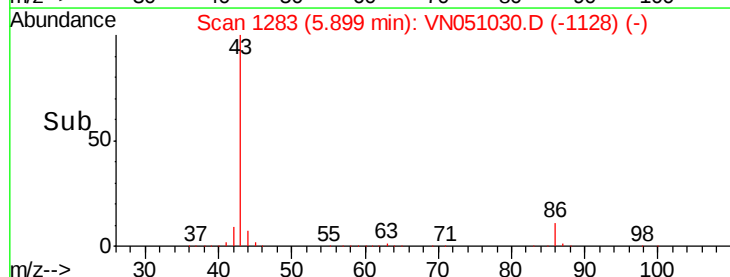
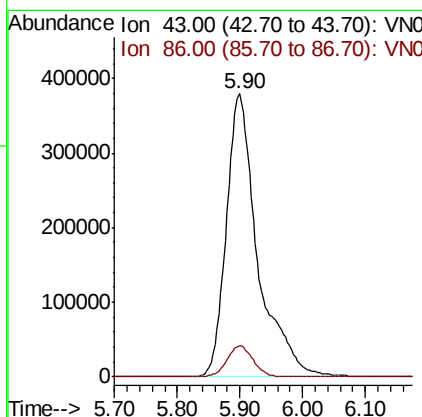
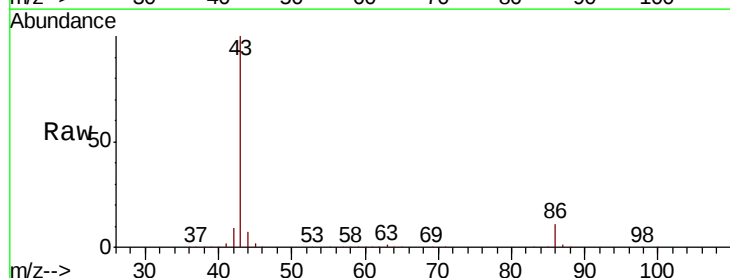
Manual Integrations
APPROVED

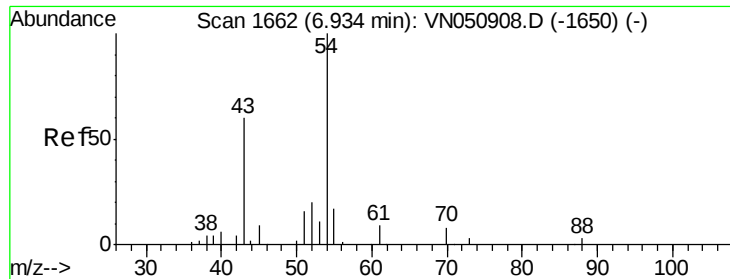
MMDadoda
9/7/2018 11:23:21 AM



#42
Vinyl Acetate
Concen: 95.65 ug/l
RT: 5.90 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.1	7.2	10.8





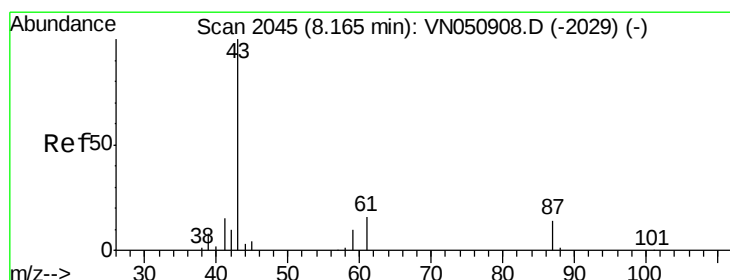
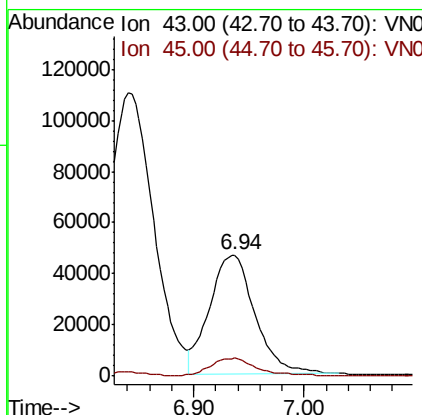
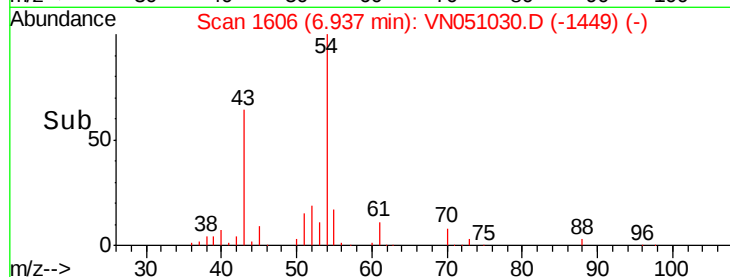
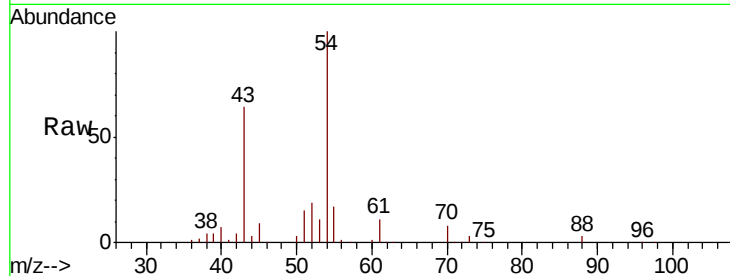
#43
Ethyl Acetate
Concen: 21.72 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	43	45	Ratio	Lower	Upper
133120	100	14.4		10.2	15.2

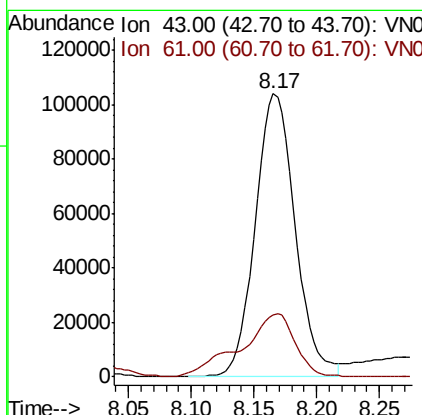
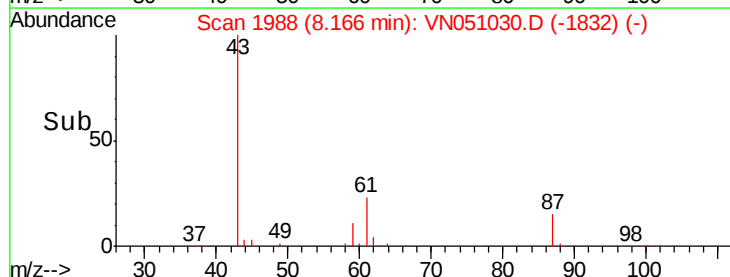
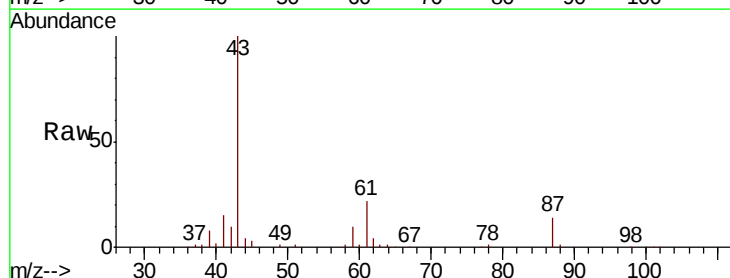
Manual Integrations
APPROVED

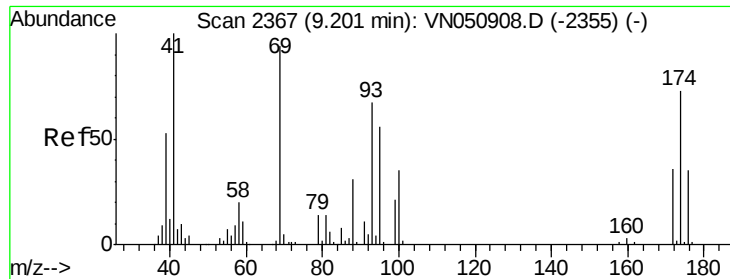
MMDadoda
9/7/2018 11:23:21 AM



#44
Isopropyl Acetate
Concen: 21.40 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	43	61	Ratio	Lower	Upper
231440	100	22.0		16.3	24.5





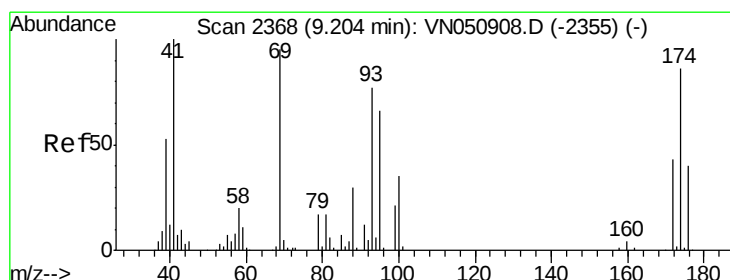
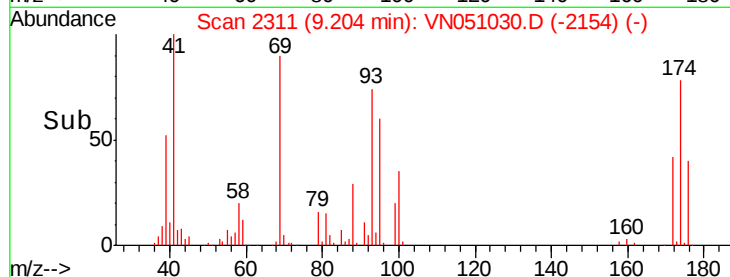
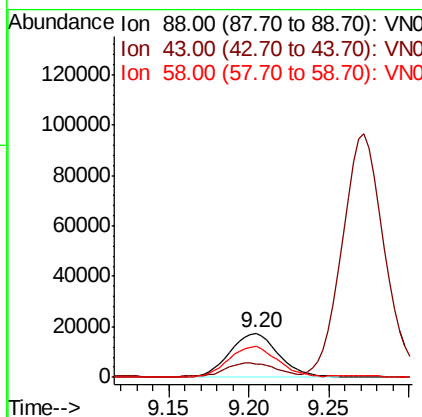
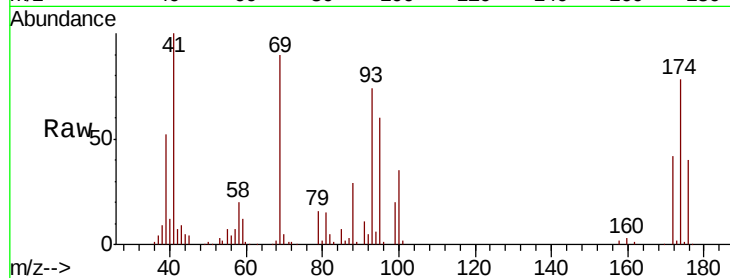
#45
 1,4-Dioxane
 Concen: 456.00 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.8	23.5	35.3
58	70.5	55.2	82.8

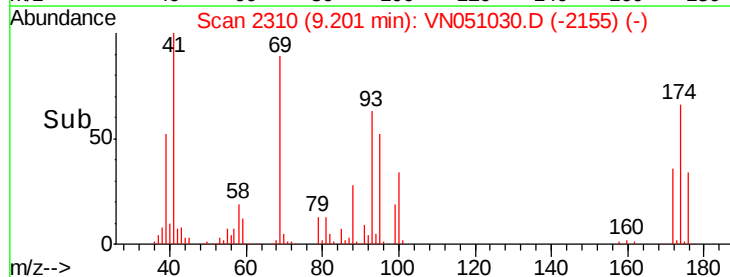
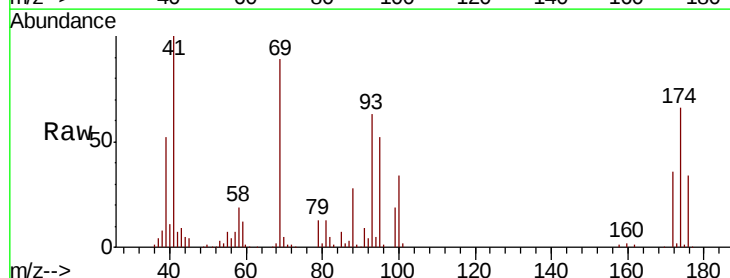
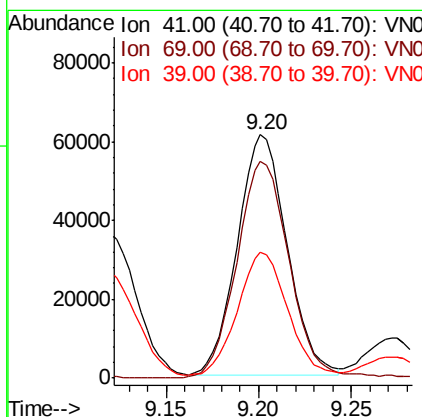
Manual Integrations
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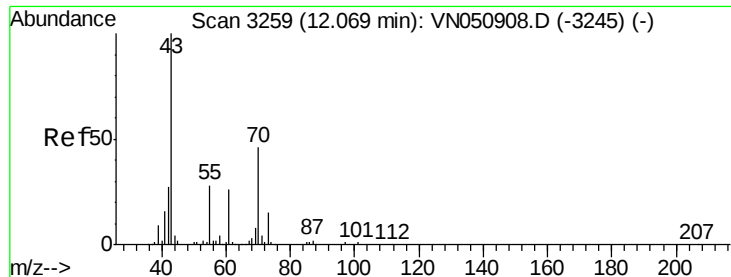
MMDadoda
 9/7/2018 11:23:21 AM



#46
 Methyl methacrylate
 Concen: 20.98 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
41	100		
69	89.7	47.4	142.2
39	51.3	26.6	79.7





#47

n-amyl Acetate

Concen: 19.58 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion: 43 Resp: 170320

Ion Ratio Lower Upper

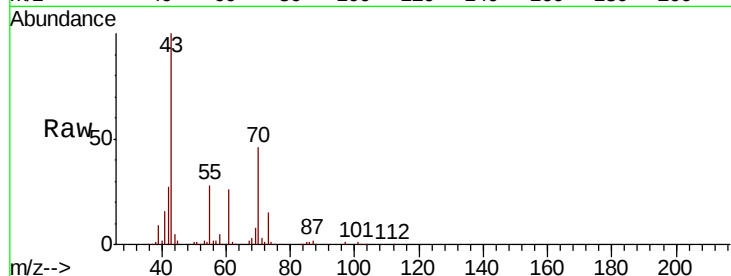
43 100

55 28.2 23.0 34.4

Manual Integrations
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MMDadoda

9/7/2018 11:23:21 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

120000

100000

80000

60000

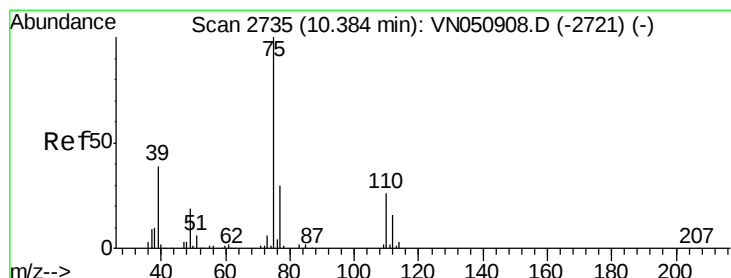
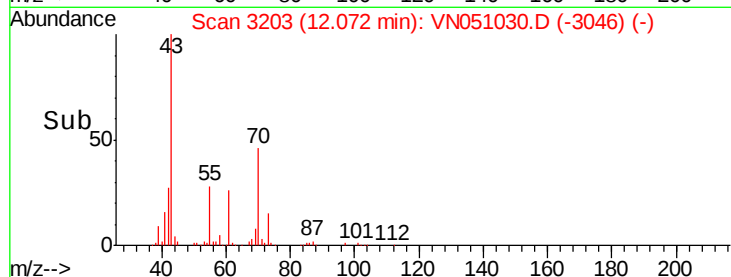
40000

20000

0

12.00 12.05 12.10 12.15

Time-->



#48

t-1,3-Dichloropropene

Concen: 19.72 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN051030.D

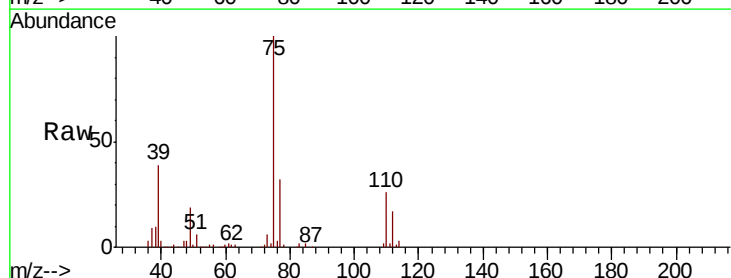
Acq: 6 Sep 2018 12:59

Tgt Ion: 75 Resp: 192937

Ion Ratio Lower Upper

75 100

77 31.4 24.8 37.2



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

120000

100000

80000

60000

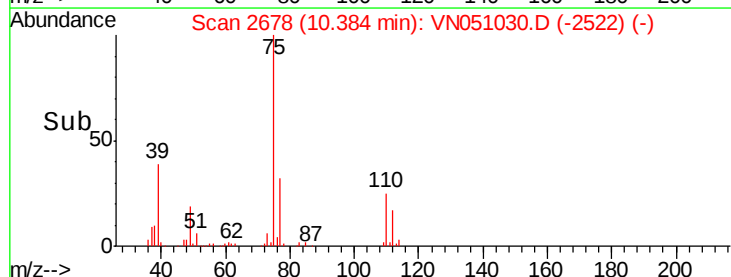
40000

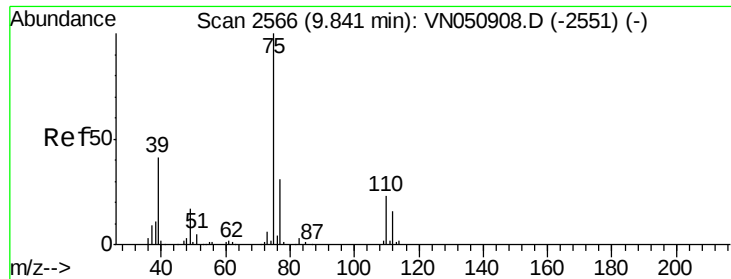
20000

0

10.30 10.35 10.40 10.45

Time-->





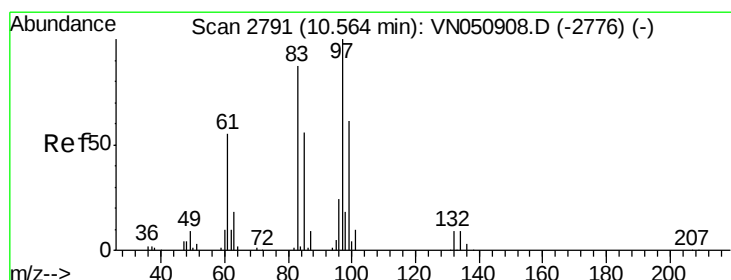
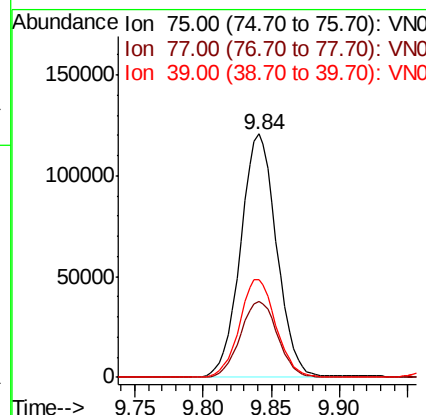
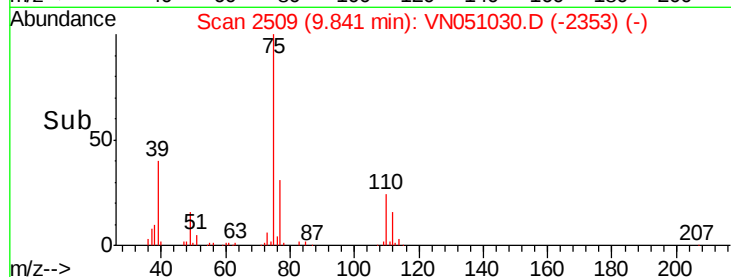
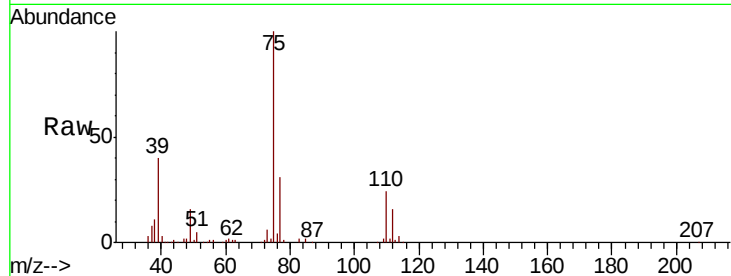
#49
 cis-1,3-Dichloropropene
 Concen: 19.74 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0906WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.0	37.4
39	40.2	32.9	49.3

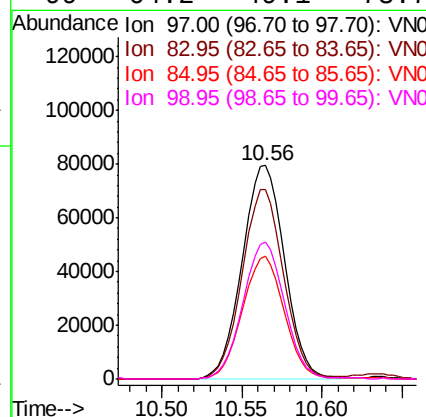
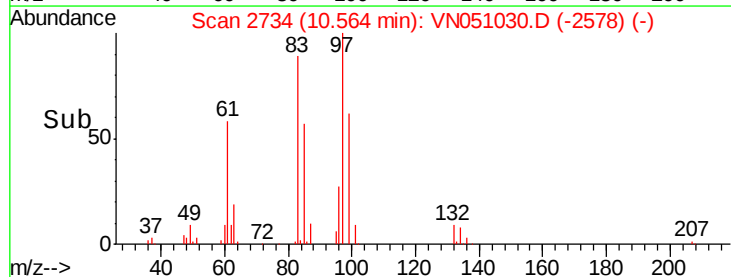
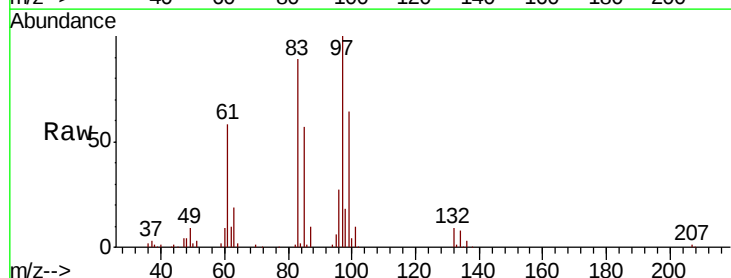
Manual Integrations
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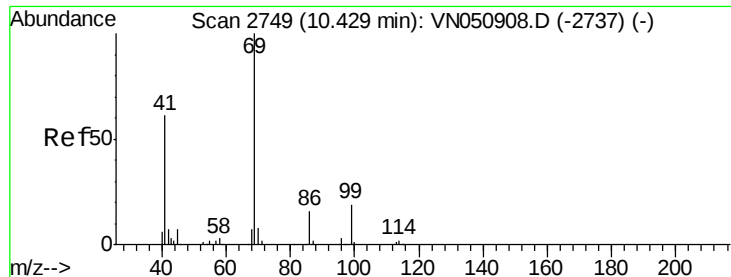
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 20.96 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.0	69.8	104.6
85	57.3	45.0	67.6
99	64.2	49.1	73.7





#51

Ethyl methacrylate

Concen: 20.21 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

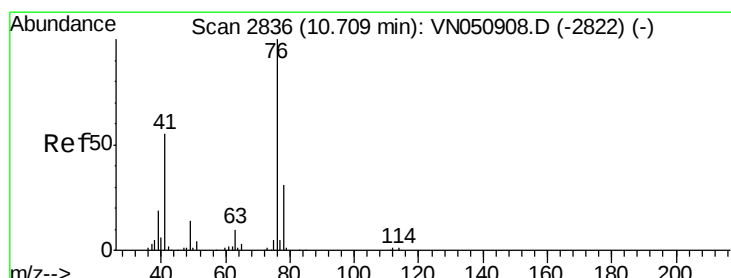
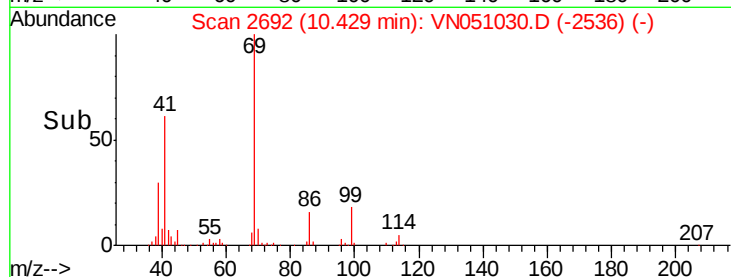
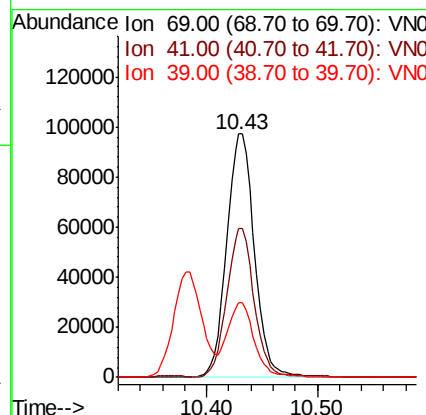
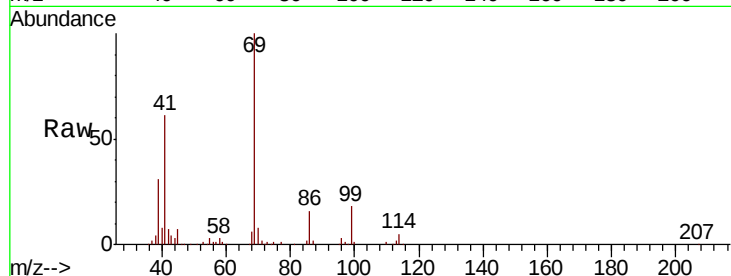
ClientSampled :

VN0906WBS01

Tot Ion:	69	Resp:	170078
Ion	Ratio	Lower	Upper
69	100		
41	61.0	30.5	91.5
39	30.5	15.3	45.8

Manual Integrations
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#52

1,3-Dichloropropane

Concen: 20.53 ug/l

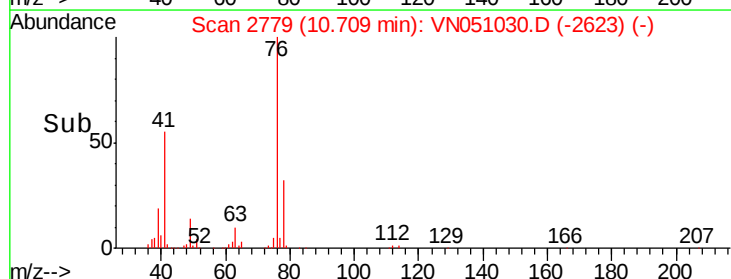
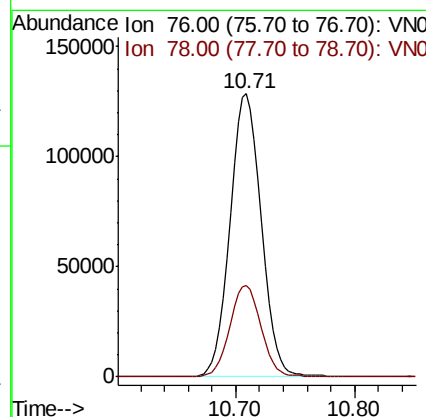
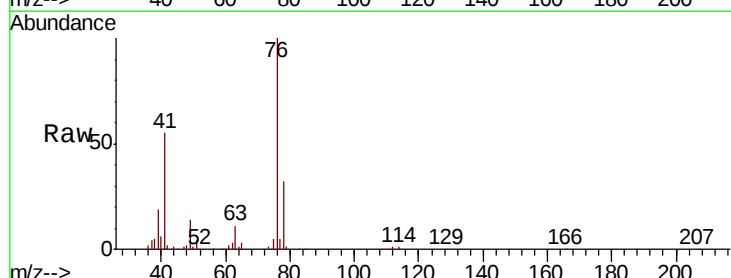
RT: 10.71 min Scan# 2779

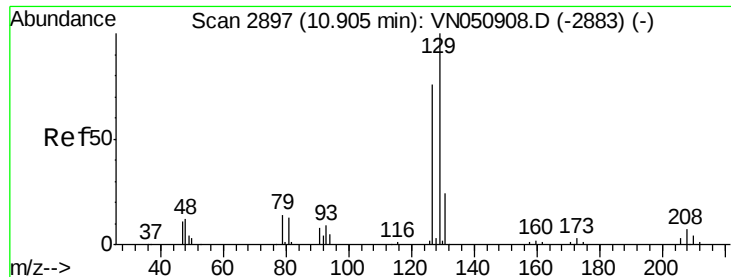
Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Tgt Ion:	76	Resp:	233975
Ion	Ratio	Lower	Upper
76	100		
78	32.4	0.0	63.4





#53

Dibromochloromethane

Concen: 20.48 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion:129 Resp: 160159

Ion Ratio Lower Upper

129 100

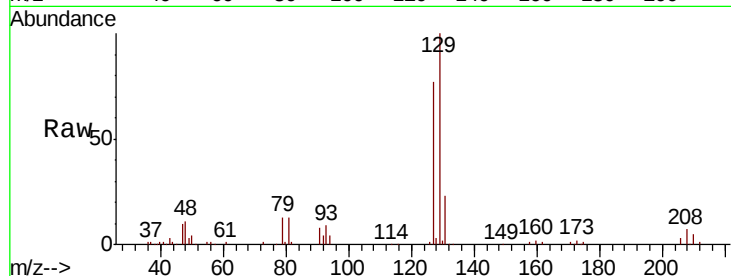
127 76.0 39.0 116.9

Manual Integrations

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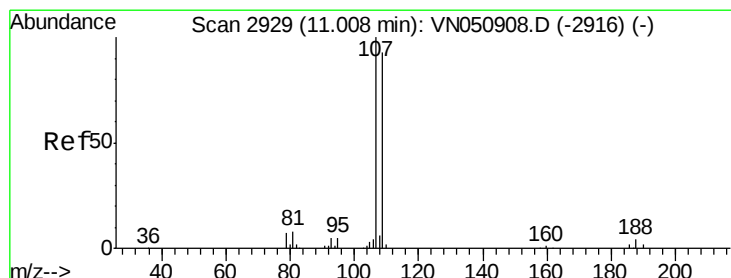
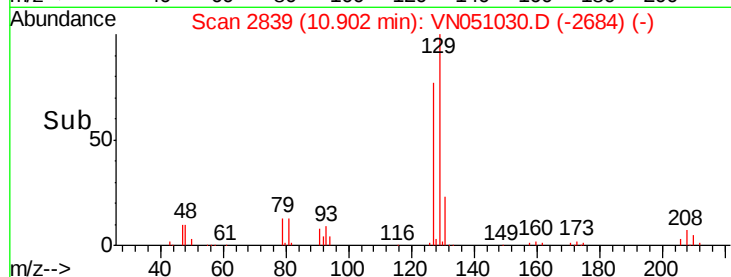
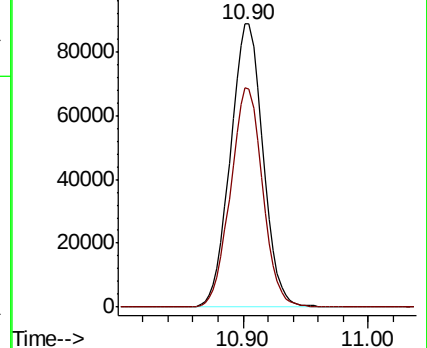
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 20.43 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN051030.D

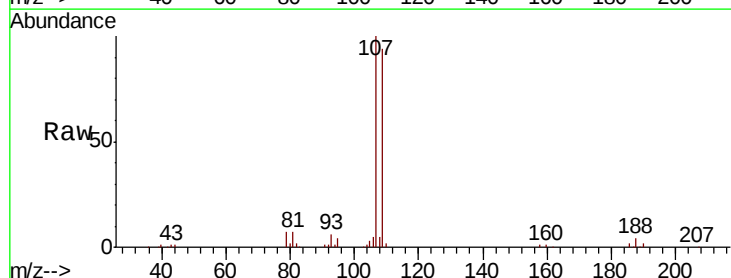
Acq: 6 Sep 2018 12:59

Tgt Ion:107 Resp: 138948

Ion Ratio Lower Upper

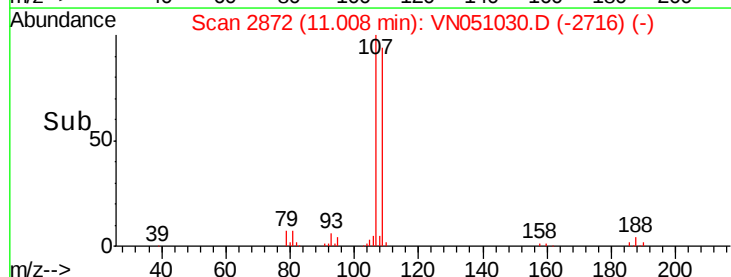
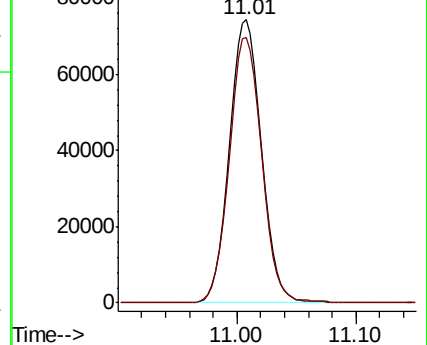
107 100

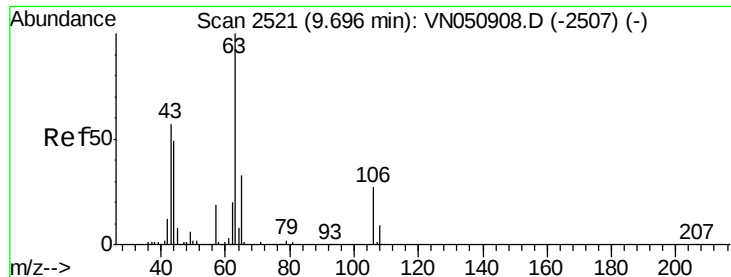
109 94.7 74.4 111.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





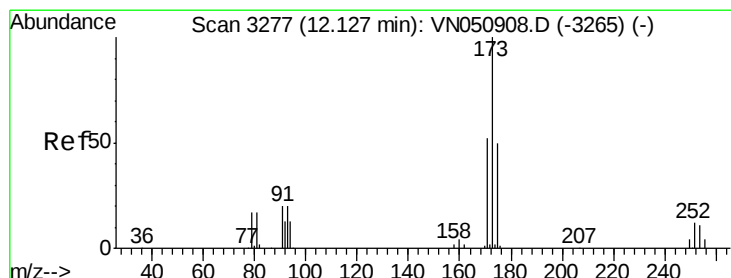
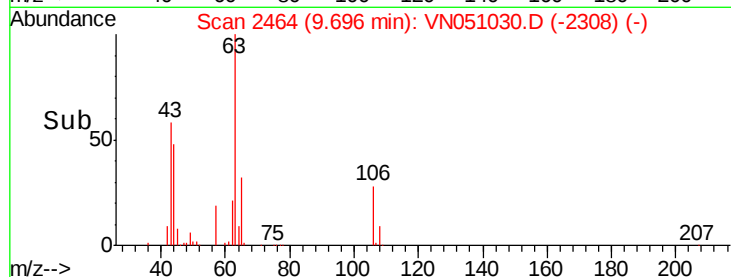
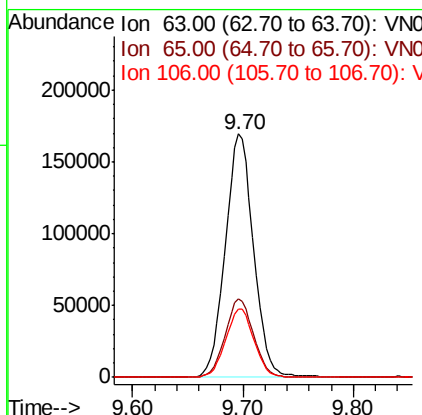
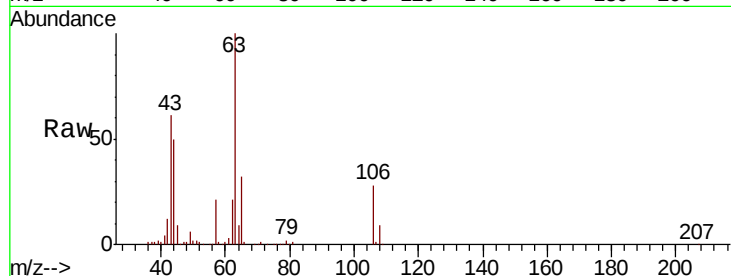
#55
2-Chloroethyl vinyl ether
Concen: 85.87 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.4	38.2
106	28.2	22.0	33.0

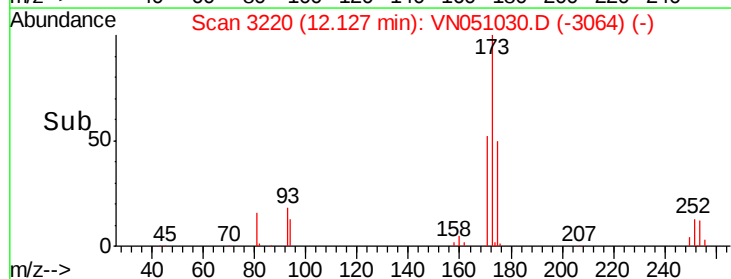
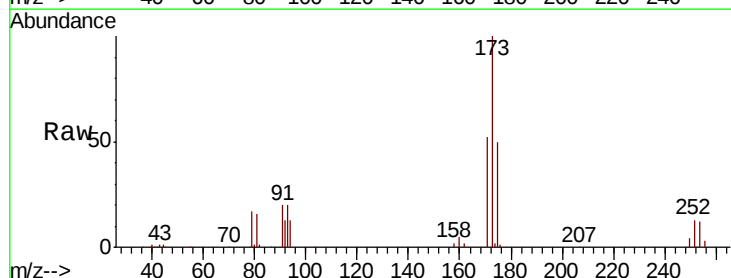
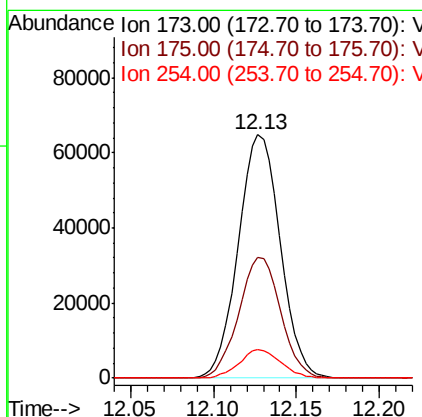
Manual Integrations
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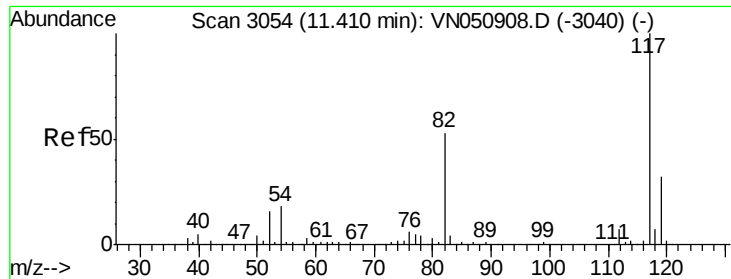
MMDadoda
9/7/2018 11:23:21 AM



#56
Bromoform
Concen: 20.62 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.4	39.2	58.8
254	11.5	9.0	13.6





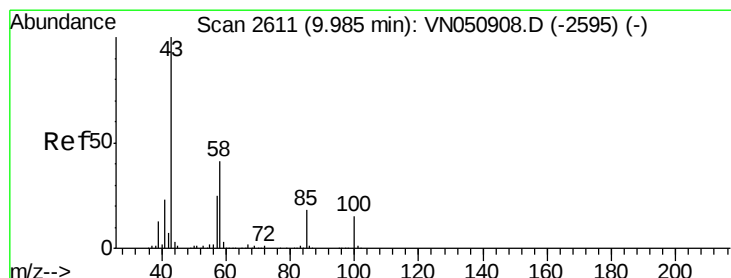
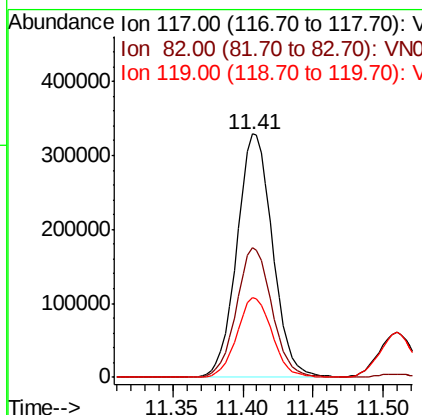
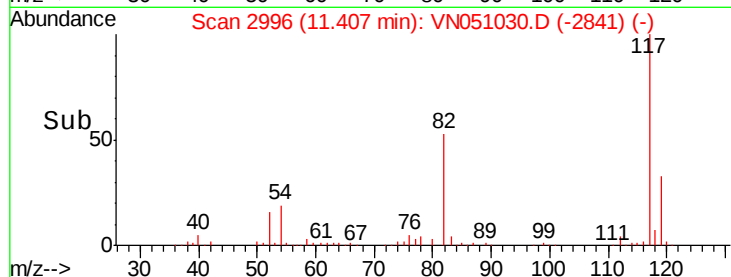
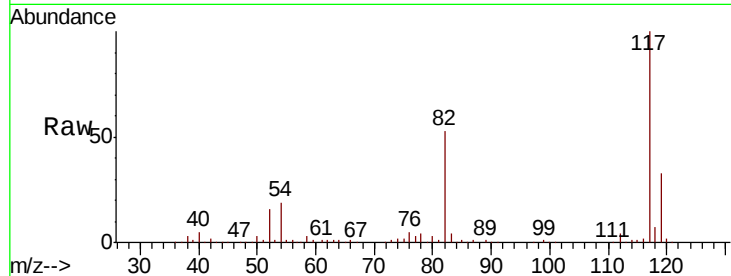
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.6	64.0
119	32.4	25.7	38.5

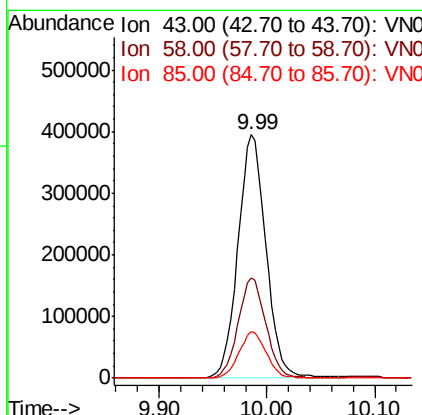
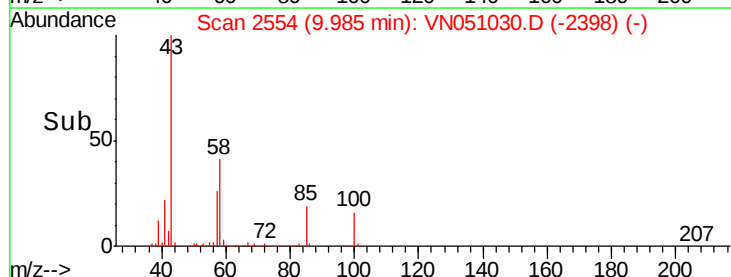
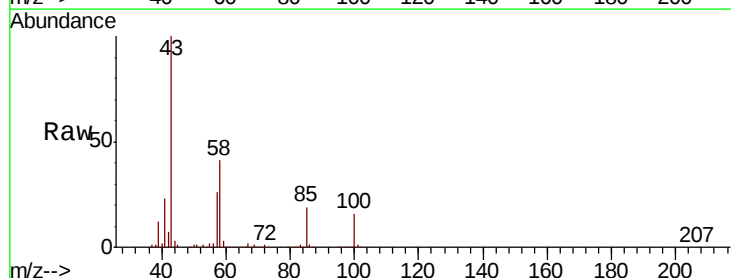
Manual Integrations
APPROVED

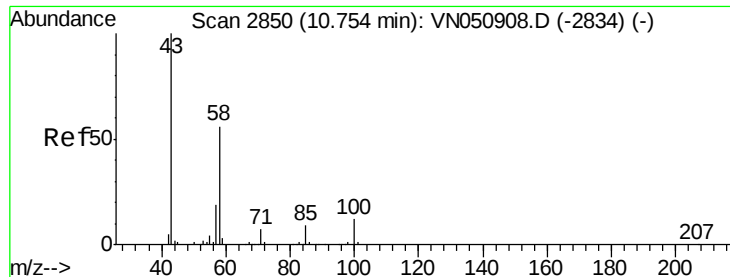
MMDadoda
9/7/2018 11:23:21 AM



#58
4-Methyl-2-Pentanone
Concen: 106.82 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.9	32.3	48.5
85	18.7	14.9	22.3





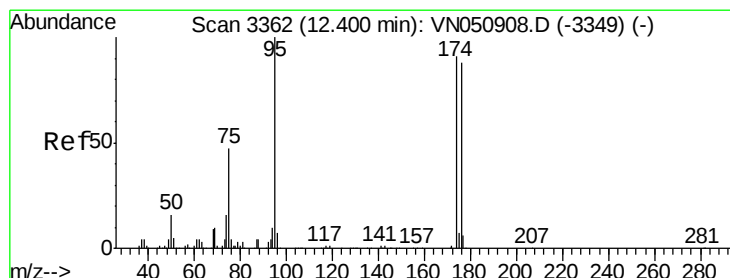
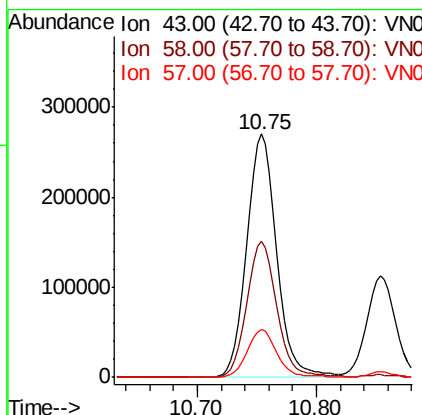
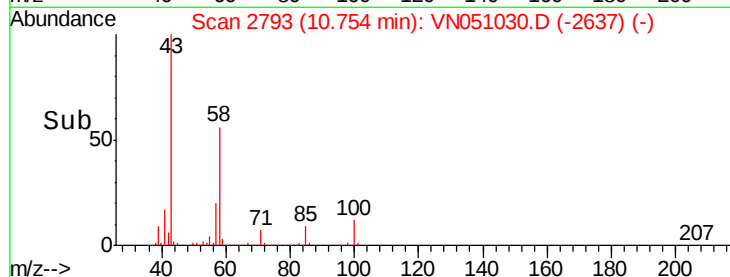
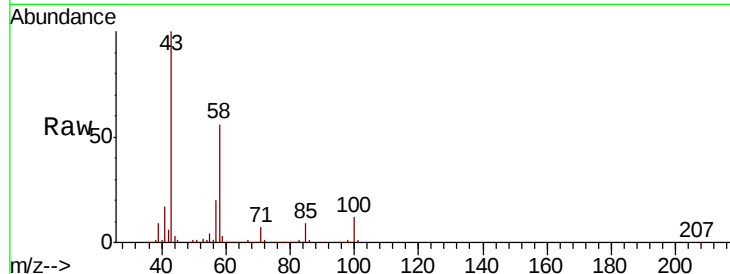
#59
2-Hexanone
Concen: 107.35 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	56.4	45.5	68.3
57	19.5	15.2	22.8

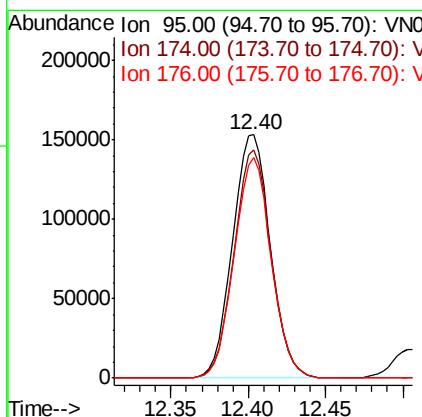
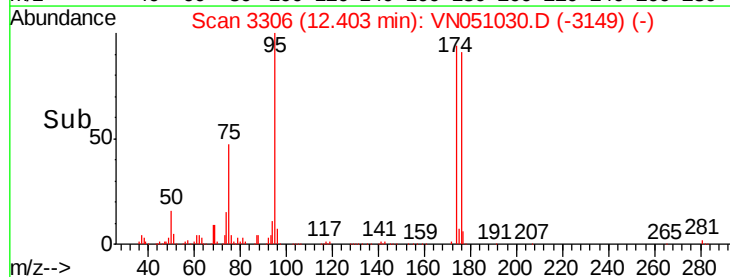
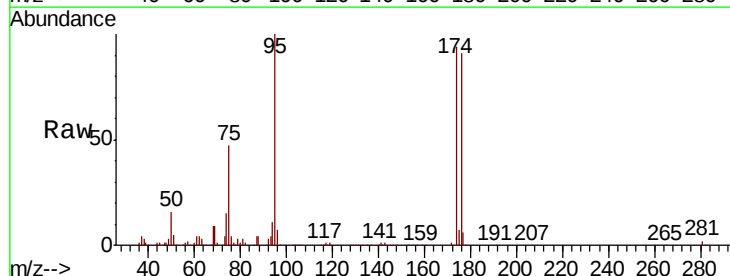
Manual Integrations
APPROVED

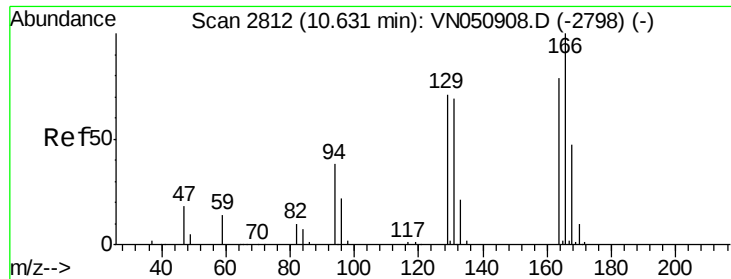
MMDadoda
9/7/2018 11:23:21 AM



#60
4-Bromofluorobenzene
Concen: 29.98 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.7	74.6	112.0
176	88.6	71.5	107.3





#61

Tetrachloroethene

Concen: 18.63 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion:164 Resp: 135582

Ion Ratio Lower Upper

164 100

166 125.6 100.6 151.0

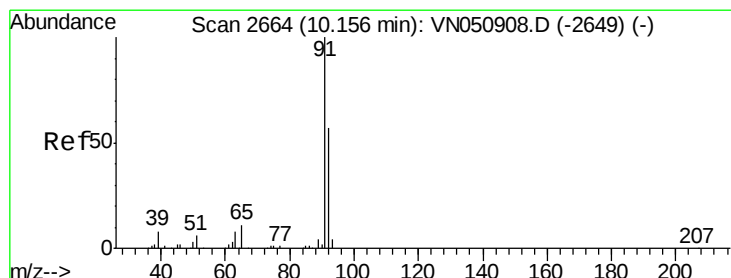
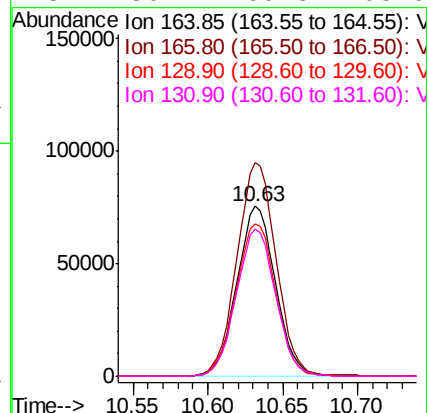
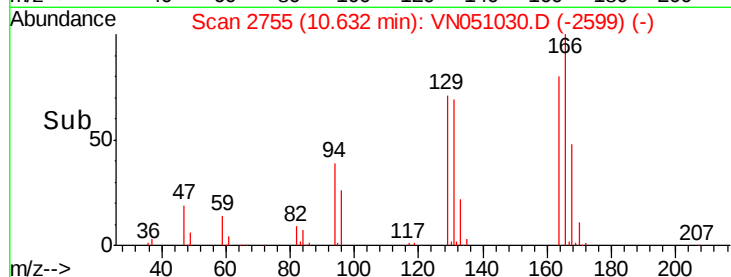
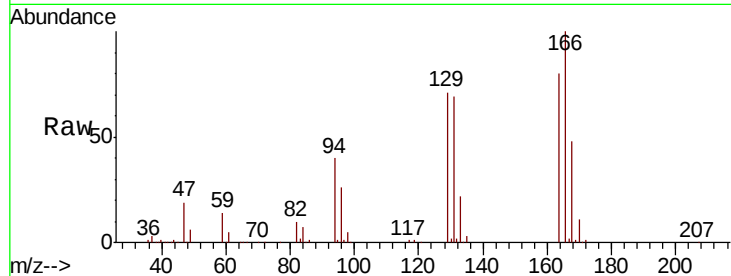
129 89.5 71.0 106.6

131 86.7 69.3 103.9

Manual Integrations
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#62

Toluene

Concen: 18.82 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN051030.D

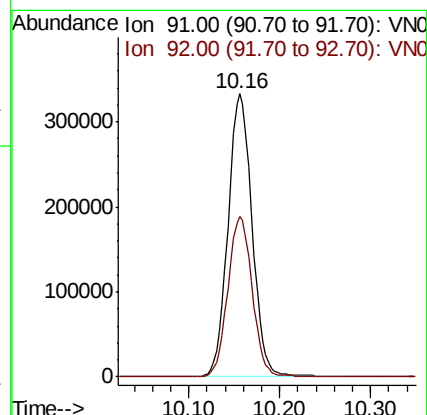
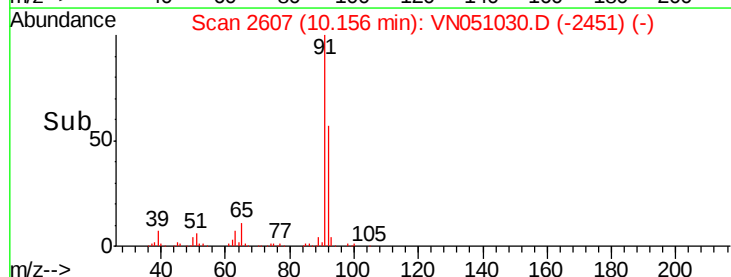
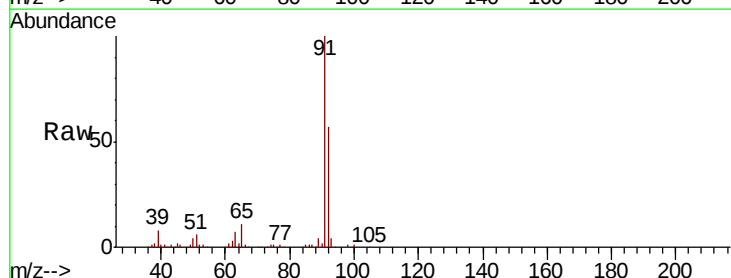
Acq: 6 Sep 2018 12:59

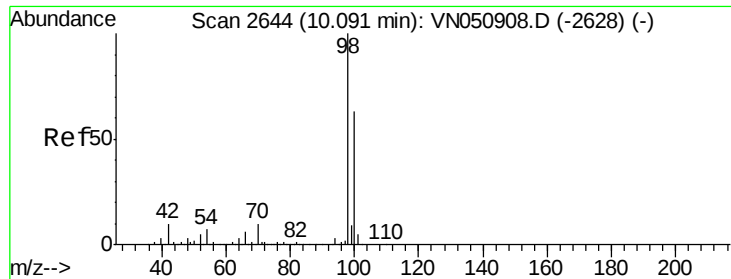
Tgt Ion: 91 Resp: 612992

Ion Ratio Lower Upper

91 100

92 57.5 45.8 68.8





#63

Toluene-d8

Concen: 30.17 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion: 98 Resp: 821690

Ion Ratio Lower Upper

98 100

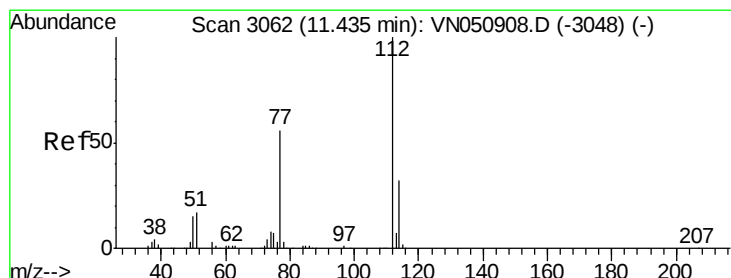
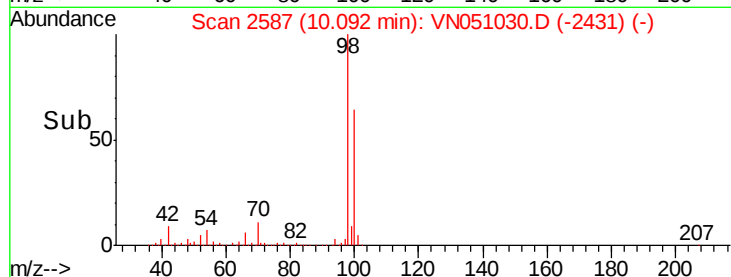
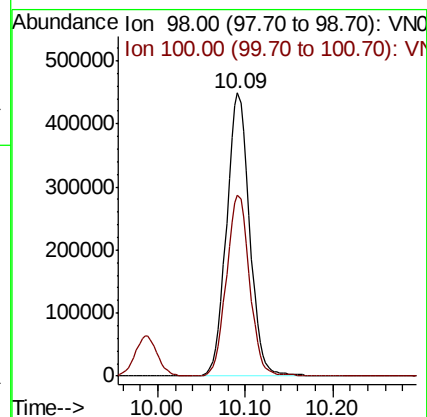
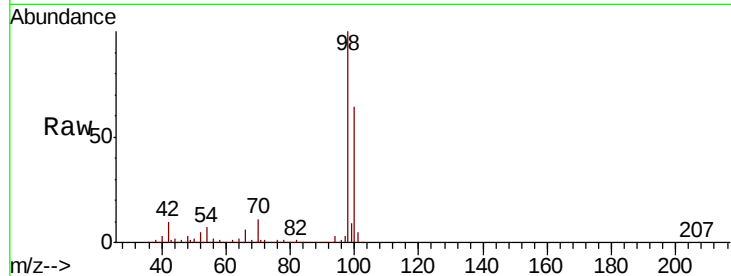
100 64.1 50.6 75.8

Manual Integrations

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#64

Chlorobenzene

Concen: 19.14 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN051030.D

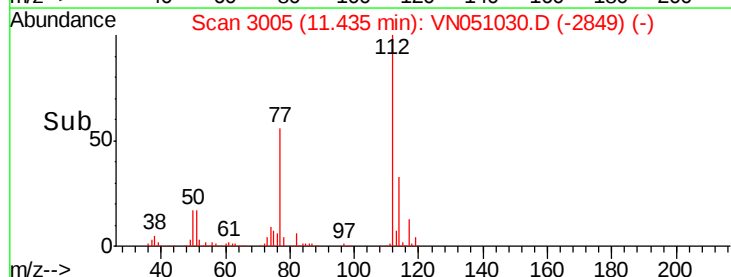
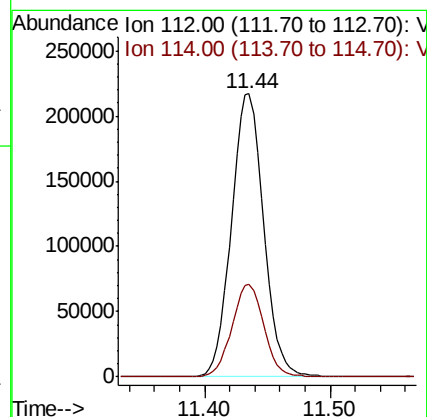
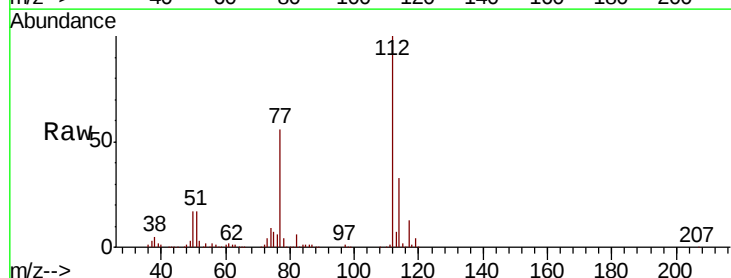
Acq: 6 Sep 2018 12:59

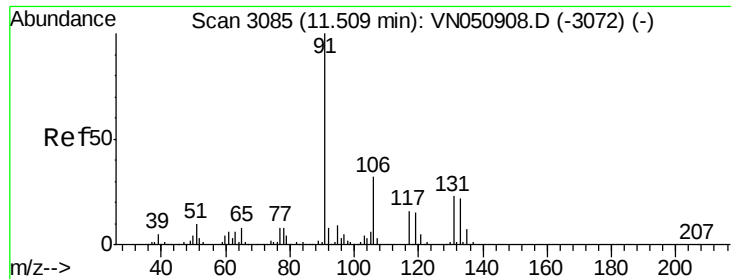
Tgt Ion: 112 Resp: 386517

Ion Ratio Lower Upper

112 100

114 32.7 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.97 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

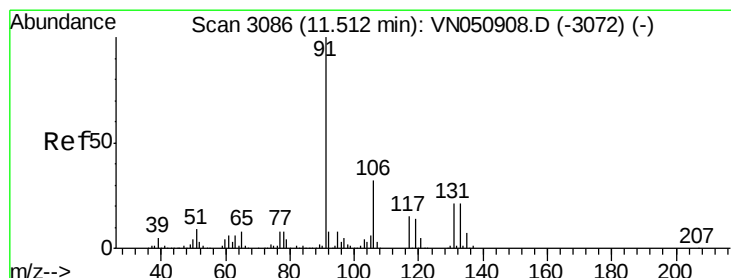
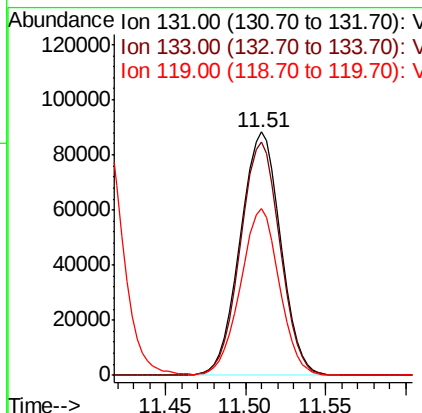
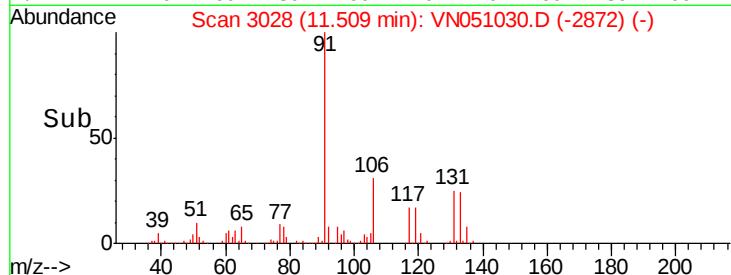
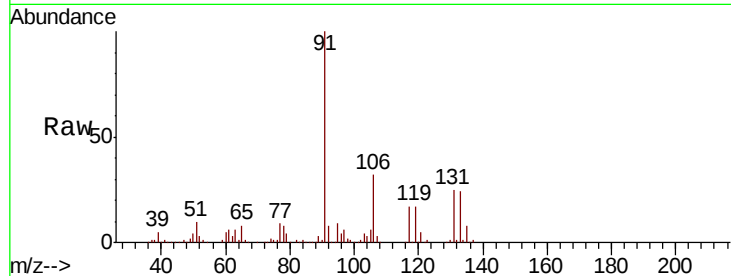
ClientSampleId :

VN0906WBS01

Tot Ion:	131	Resp:	152198
Ion Ratio	Lower	Upper	
131	100		
133	94.3	0.0	189.4
119	65.9	0.0	132.2

Manual Integrations
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#66

Ethyl Benzene

Concen: 17.87 ug/l

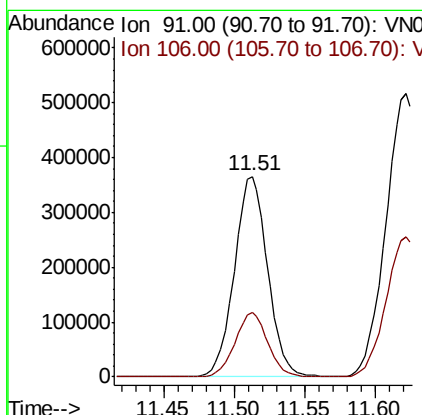
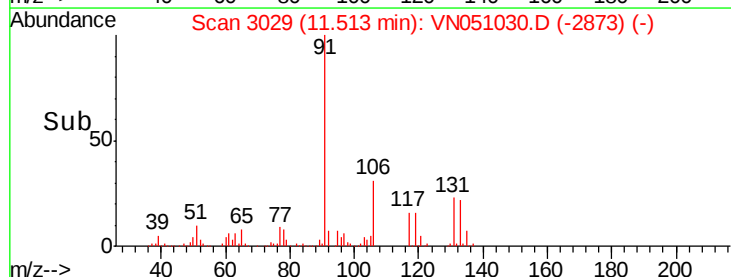
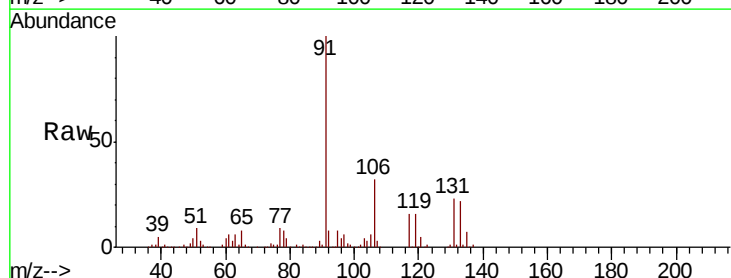
RT: 11.51 min Scan# 3029

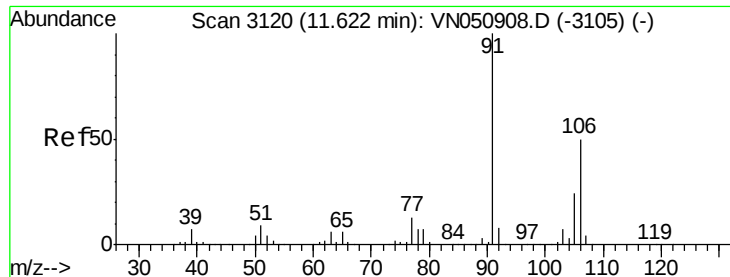
Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Tgt Ion:	91	Resp:	603108
Ion Ratio	Lower	Upper	
91	100		
106	32.2	25.7	38.5





#67

m/p-Xylenes

Concen: 37.63 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion:106 Resp: 488597

Ion Ratio Lower Upper

106 100

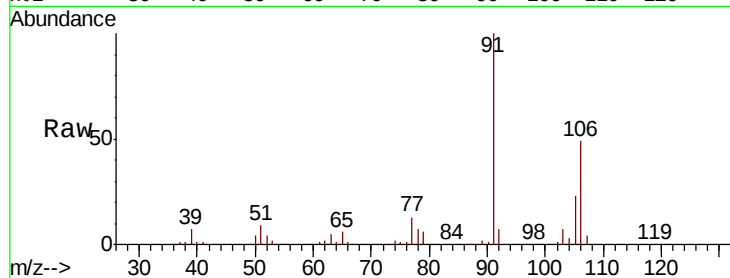
91 200.3 160.6 241.0

Manual Integrations

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MMDadoda

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

200000

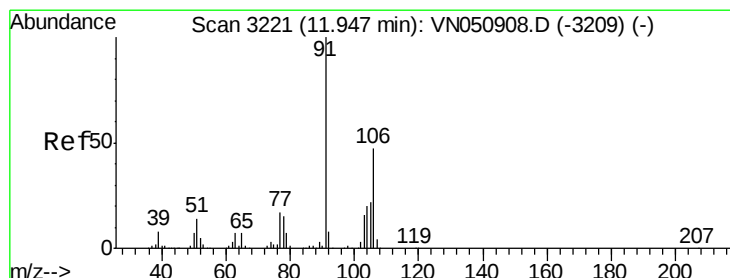
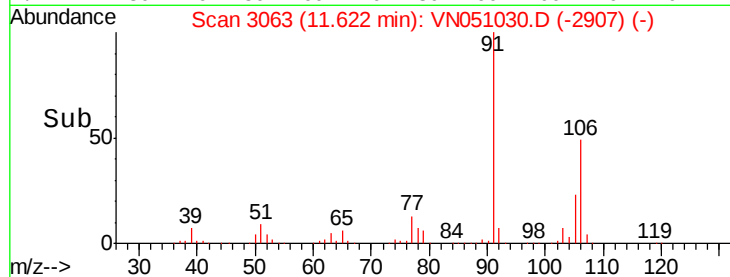
100000

0

11.62

11.70

Time-->



#68

o-Xylene

Concen: 18.86 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN051030.D

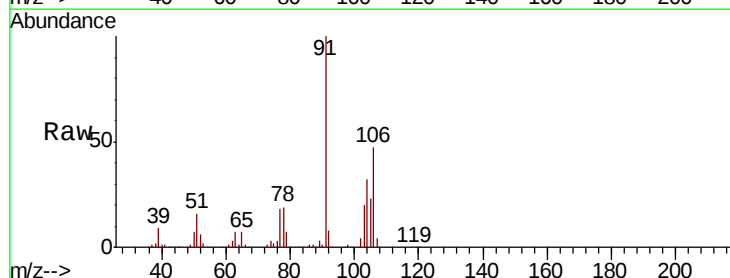
Acq: 6 Sep 2018 12:59

Tgt Ion:106 Resp: 233956

Ion Ratio Lower Upper

106 100

91 212.6 106.4 319.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

300000

200000

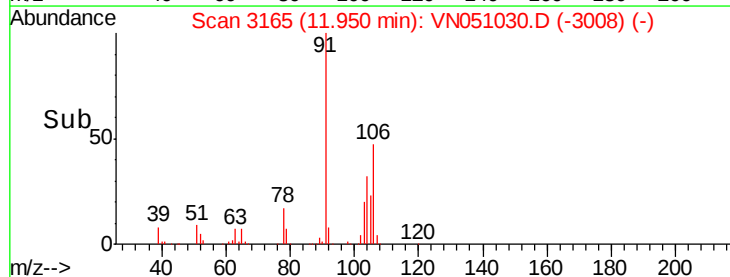
100000

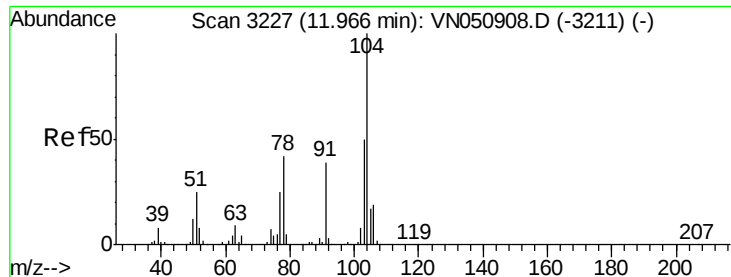
0

11.95

12.00

Time-->





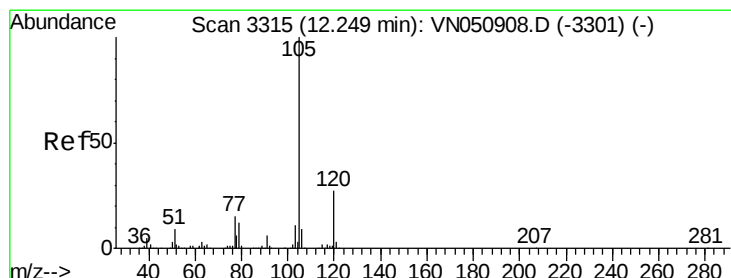
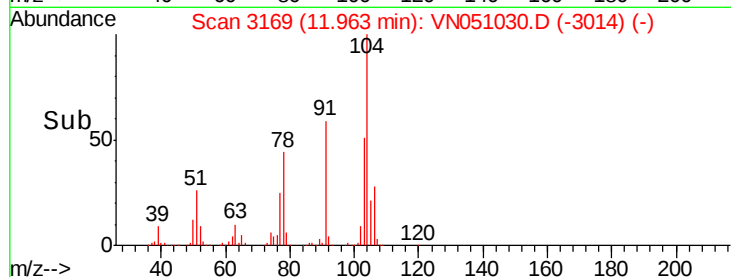
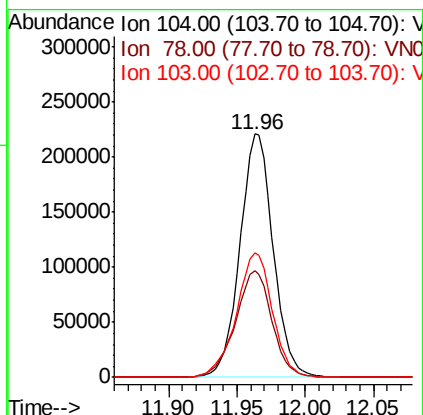
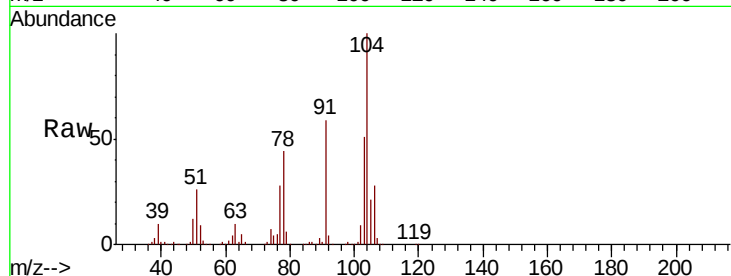
#69
Stvrene
Concen: 18.94 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.2	38.6	58.0
103	55.6	45.4	68.2

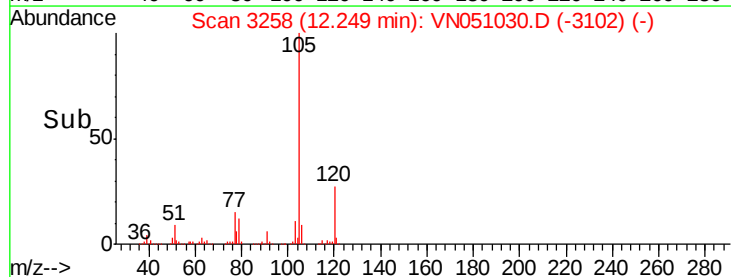
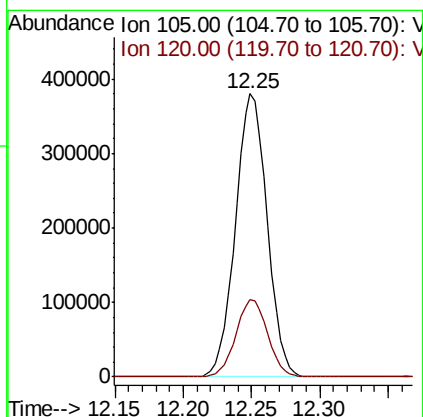
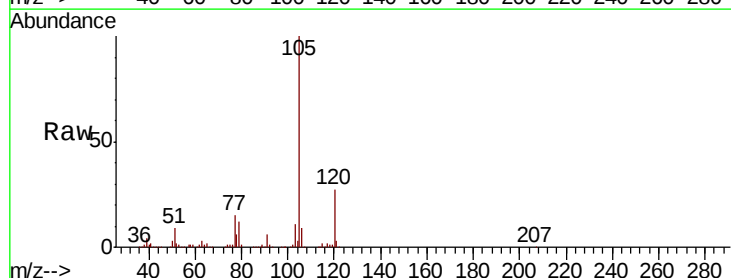
Manual Integrations
APPROVED

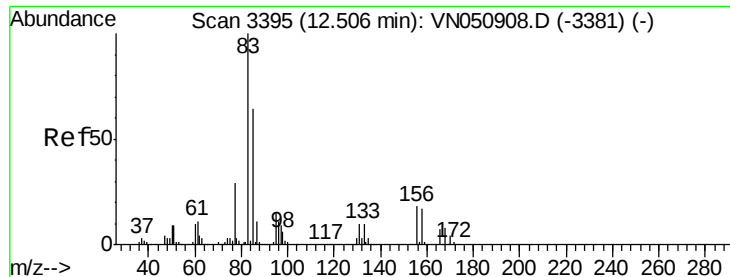
MMDadoda
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#70
Isopropylbenzene
Concen: 18.57 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.4	18.6	34.6





#71

1,1,2,2-Tetrachloroethane

Concen: 21.37 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

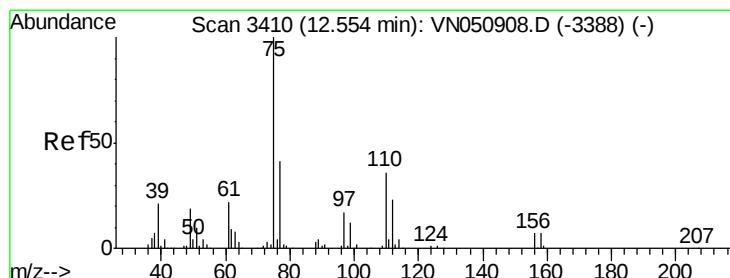
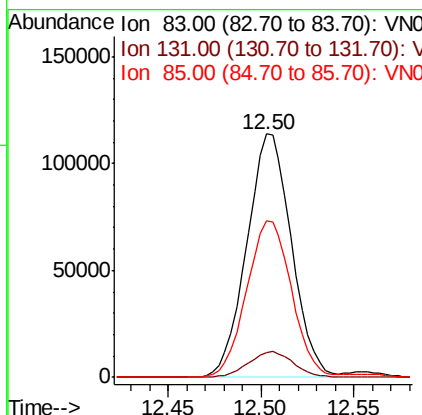
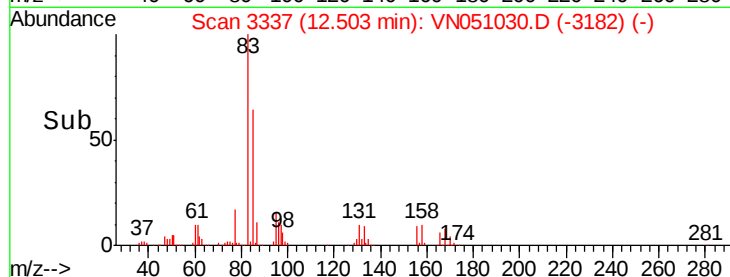
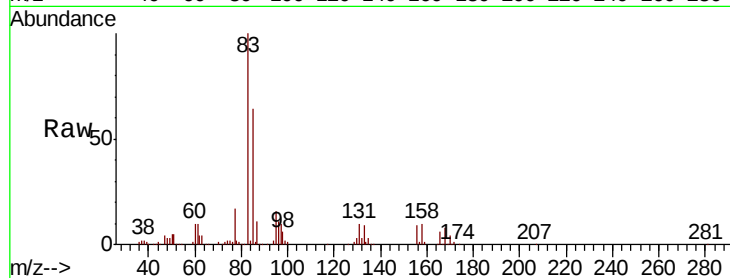
ClientSampled :

VN0906WBS01

Tot Ion:	83	Resp:	190744
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.3	15.9
85	64.7	32.3	96.9

Manual Integrations
APPROVED

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#72

1,2,3-Trichloropropane

Concen: 19.54 ug/l m

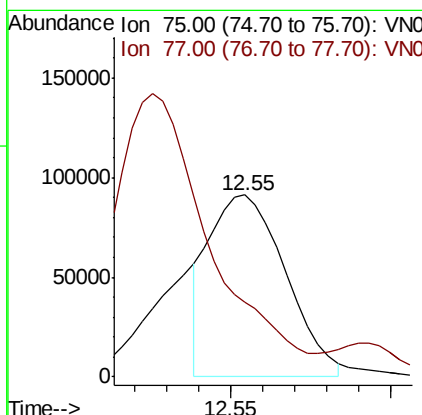
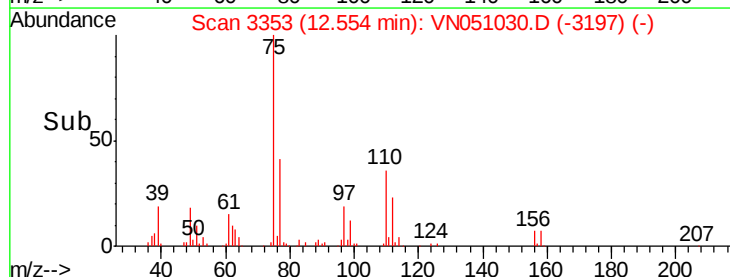
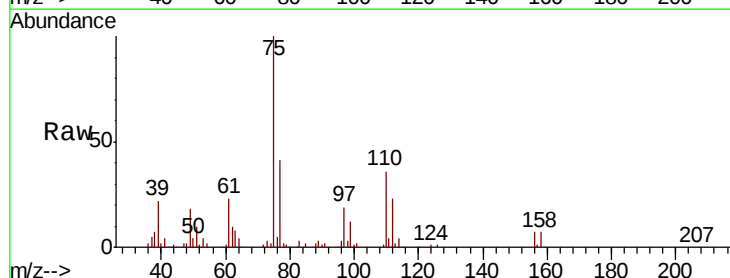
RT: 12.55 min Scan# 3353

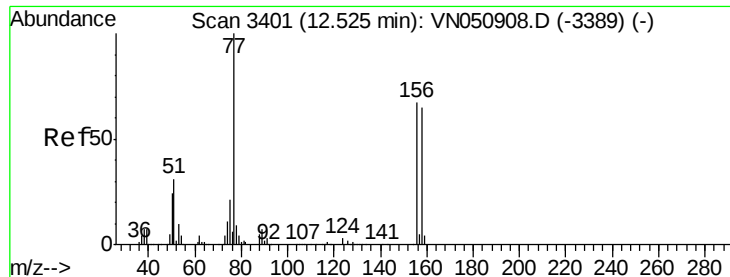
Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Tgt Ion:	75	Resp:	150500
Ion Ratio	Lower	Upper	
75	100		
77	201.5	0.0	301.6





#73

Bromobenzene

Concen: 19.14 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

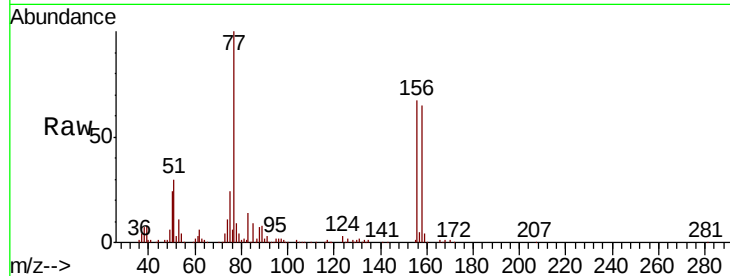
ClientSampled :

VN0906WBS01

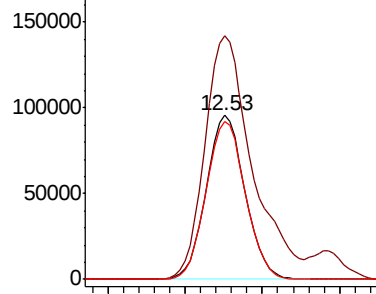
Tot Ion:	156	Resp:	166004
Ion Ratio	Lower	Upper	
156	100		
77	182.7	0.0	359.4
158	97.8	0.0	194.6

Manual Integrations
APPROVED

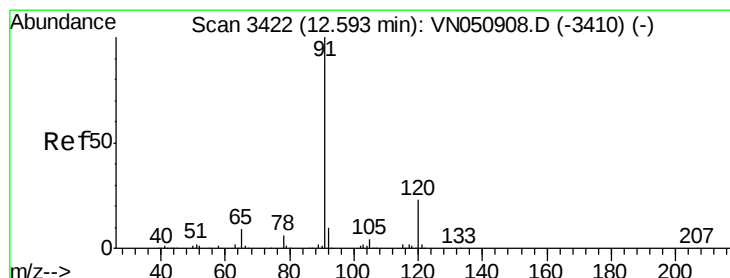
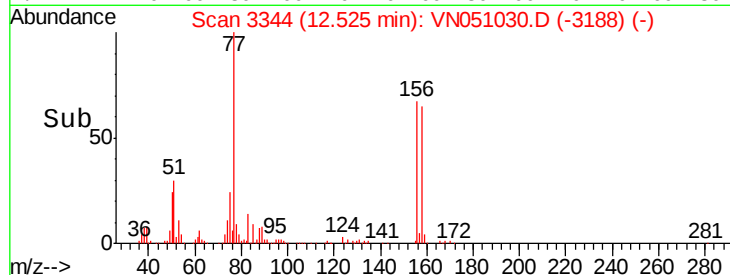
MMDadoda
9/7/2018 11:23:21 AM



Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



Time-->



#74

n-propylbenzene

Concen: 18.25 ug/l

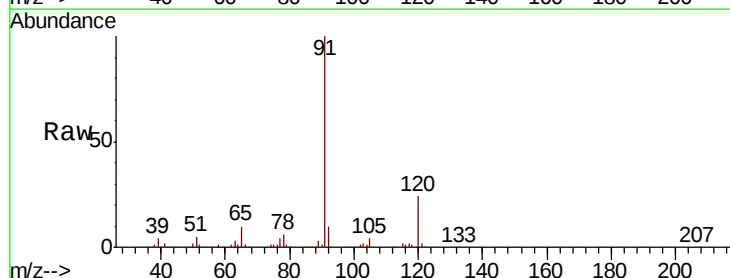
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

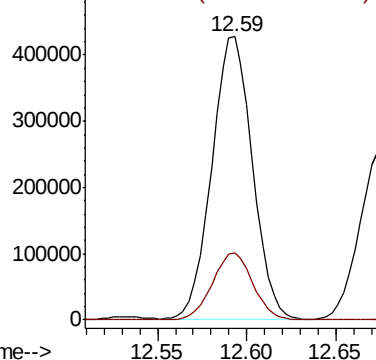
Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

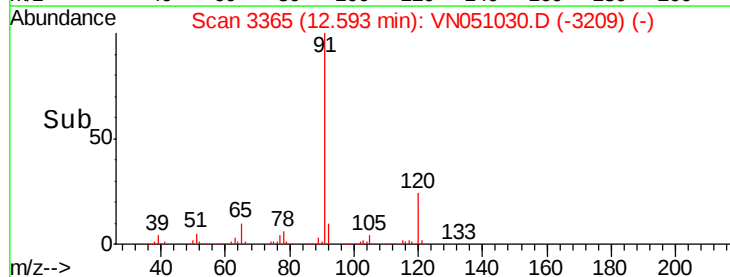
Tgt Ion:	91	Resp:	680256
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	46.0

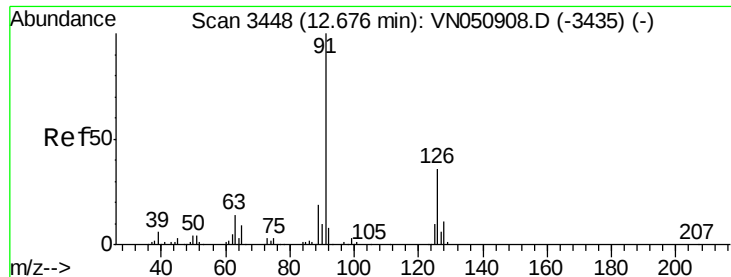


Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V



Time-->





#75

2-Chlorotoluene

Concen: 18.80 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampled :

VN0906WBS01

Tot Ion: 91 Resp: 425586

Ion Ratio Lower Upper

91 100

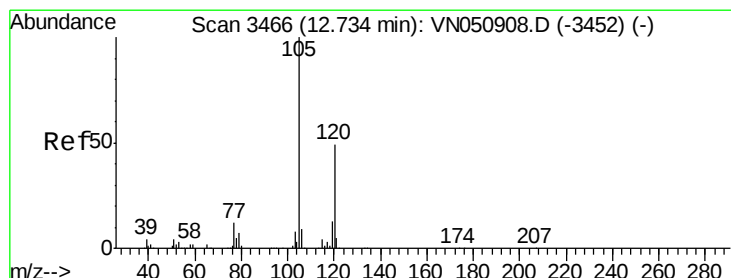
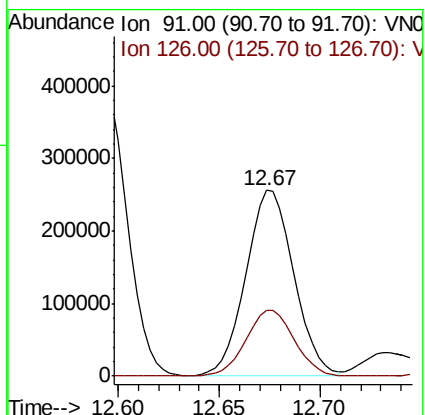
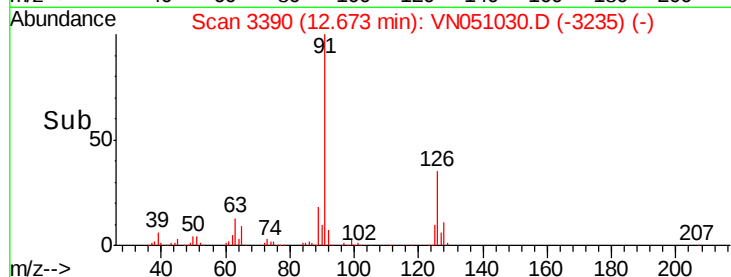
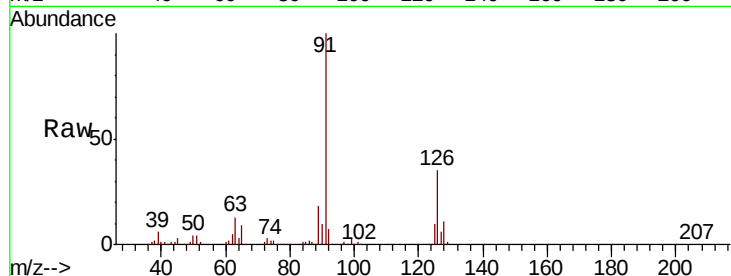
126 35.9 0.0 71.8

Manual Integrations

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#76

1,3,5-Trimethylbenzene

Concen: 18.92 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051030.D

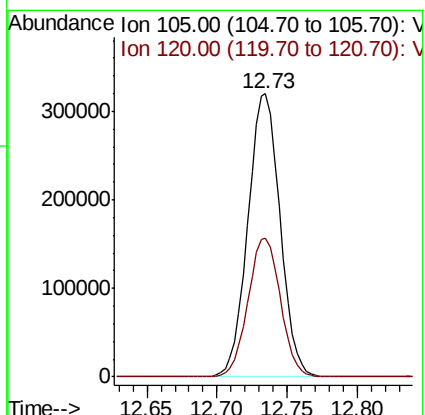
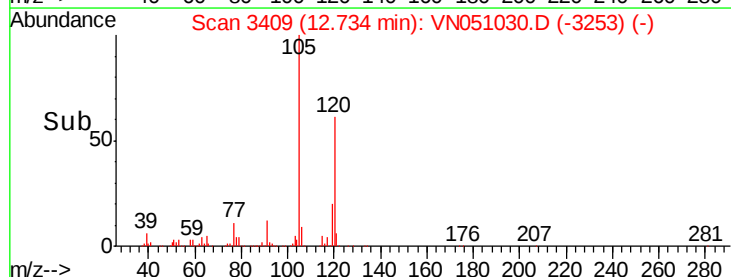
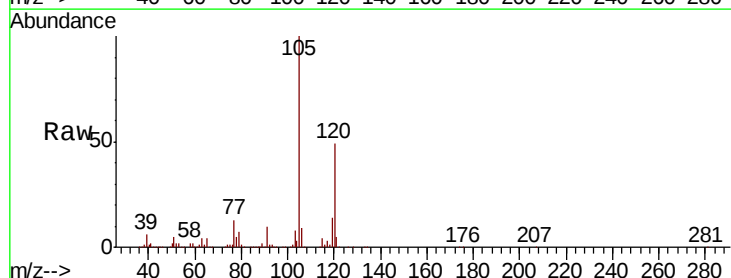
Acq: 6 Sep 2018 12:59

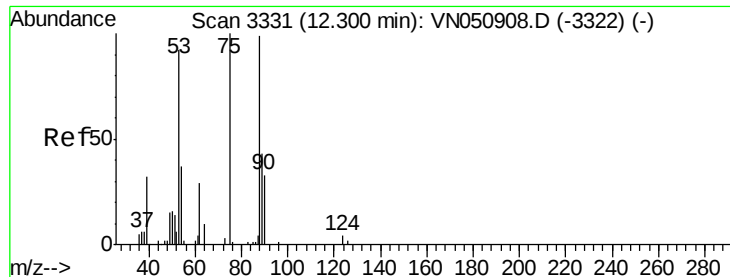
Tgt Ion: 105 Resp: 509576

Ion Ratio Lower Upper

105 100

120 49.6 0.0 99.6





#77

t-1,4-Dichloro-2-butene

Concen: 20.36 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

ClientSampleId :

VN0906WBS01

Tot Ion: 75 Resp: 44675

Ion Ratio Lower Upper

75 100

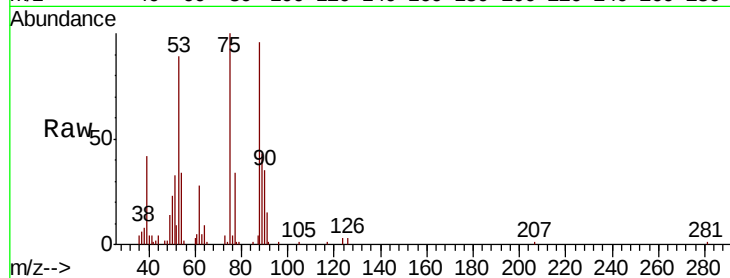
53 88.4 45.5 136.4

89 43.2 21.9 65.8

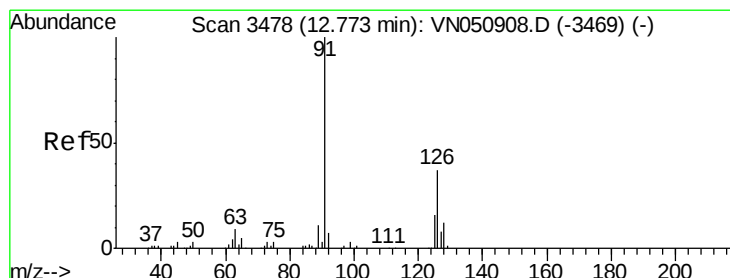
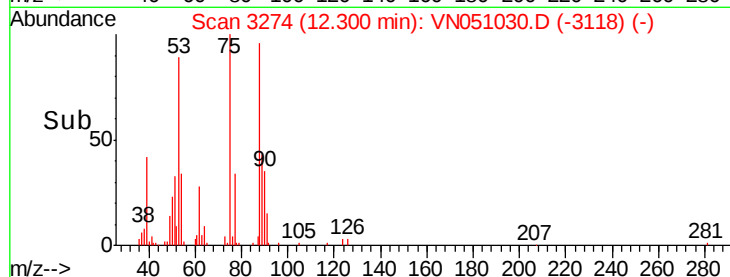
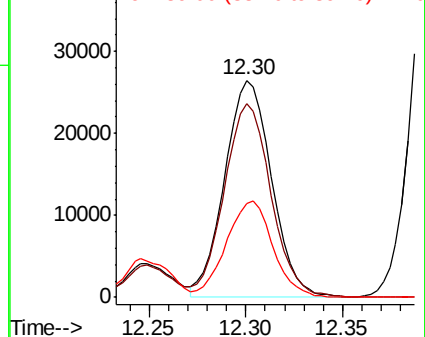
Manual Integrations
APPROVED

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9/7/2018 11:23:21 AM



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.71 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN051030.D

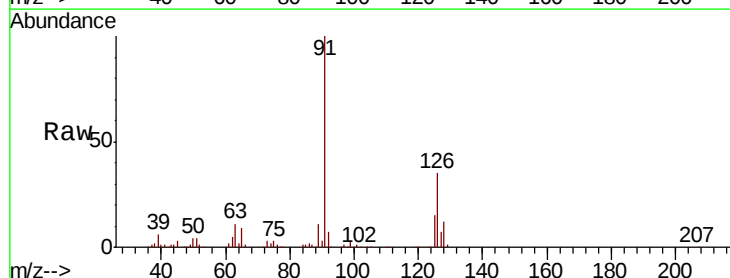
Acq: 6 Sep 2018 12:59

Tgt Ion: 91 Resp: 417049

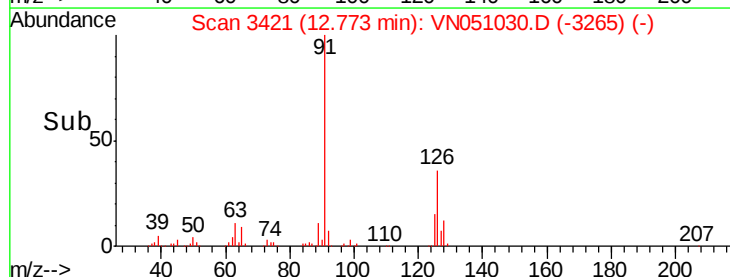
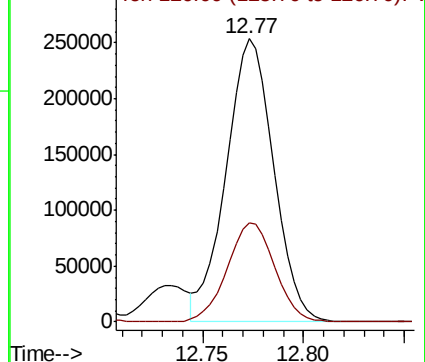
Ion Ratio Lower Upper

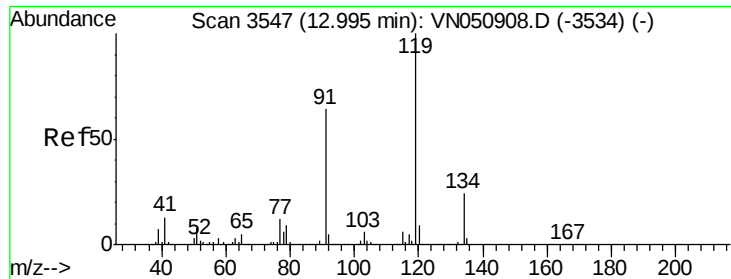
91 100

126 35.2 0.0 69.8



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 126.00 (125.70 to 126.70): V





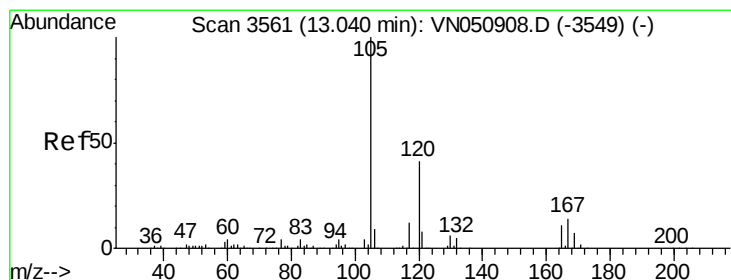
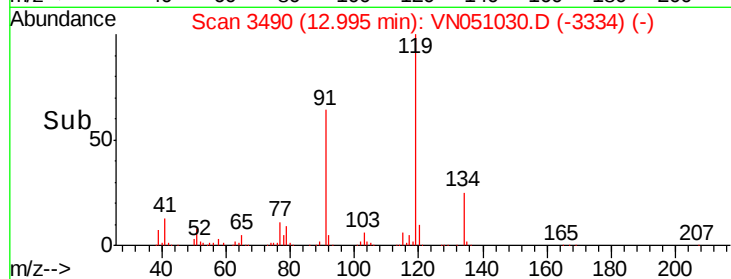
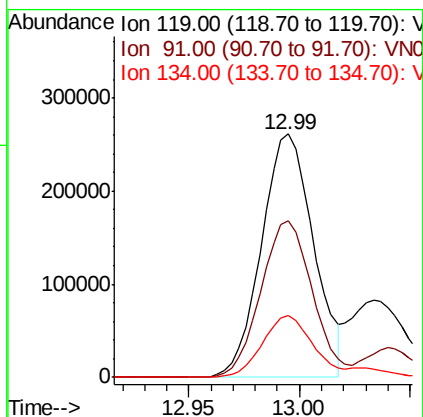
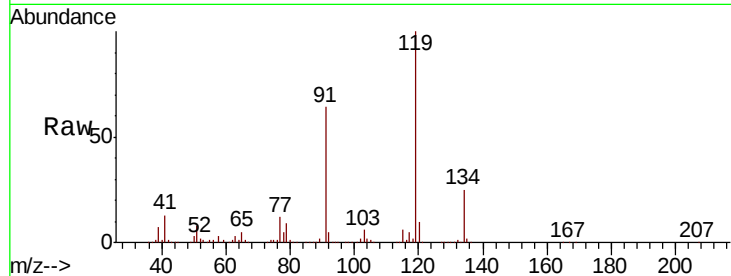
#79
tert-butylbenzene
Concen: 18.27 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	427526		
91	63.9	0.0	125.6	
134	24.6	0.0	48.4	

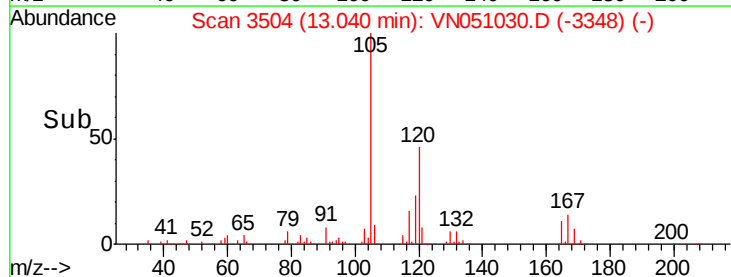
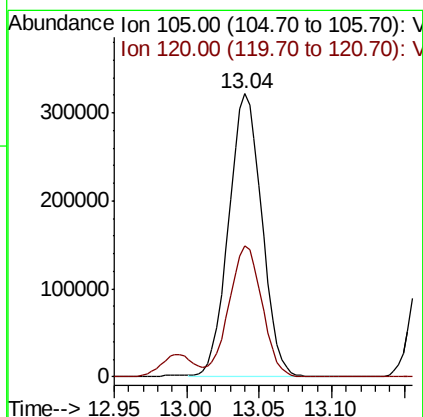
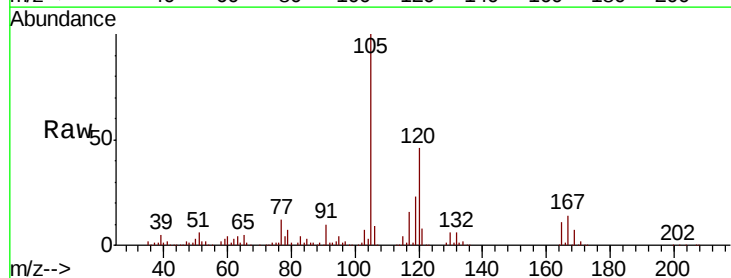
Manual Integrations
APPROVED

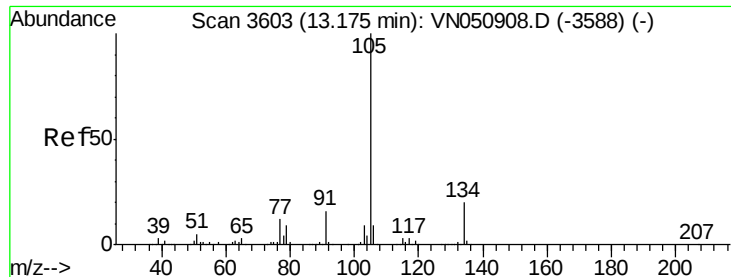
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.00 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	510386		
120	46.2	0.0	93.6	





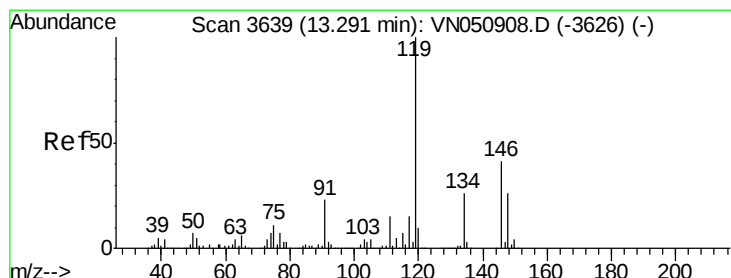
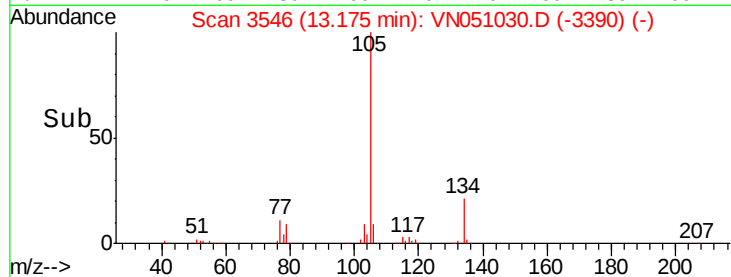
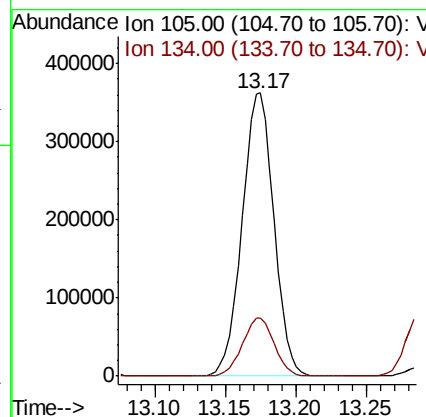
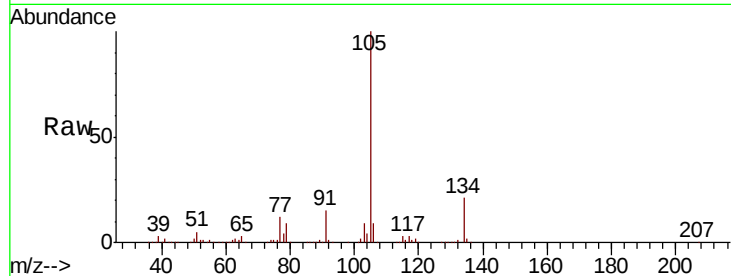
#81
 sec-Butylbenzene
 Concen: 18.65 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	570755		
134	20.7	0.0	40.8	

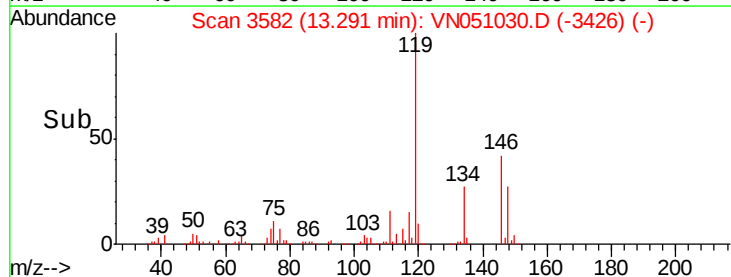
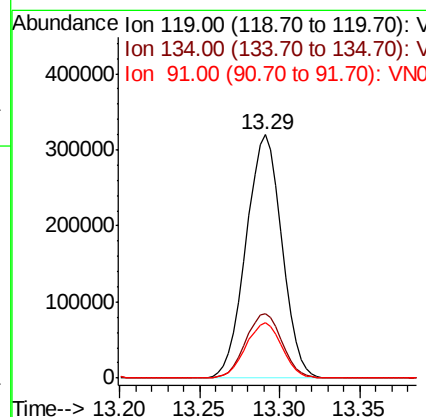
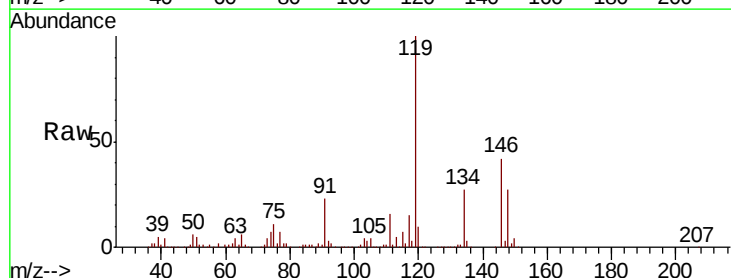
Manual Integrations
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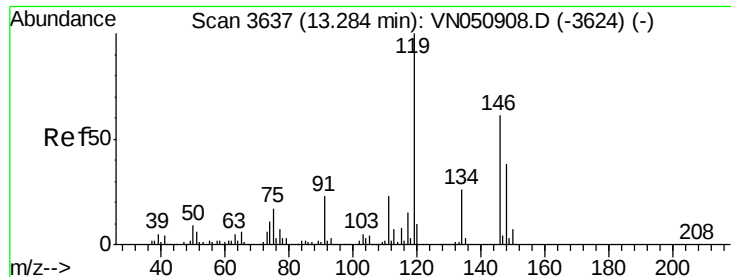
MMDadoda
 9/7/2018 11:23:21 AM



#82
 p-Isopropyltoluene
 Concen: 18.50 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	488736		
134	26.9	0.0	53.2	
91	22.9	0.0	46.0	





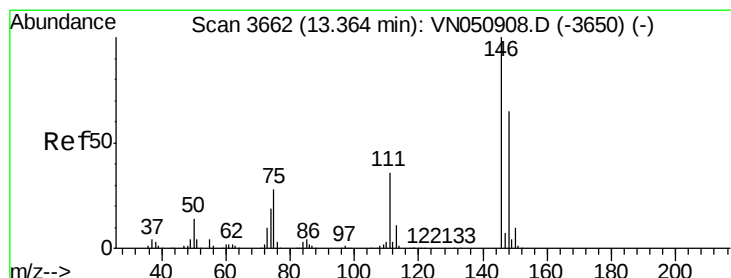
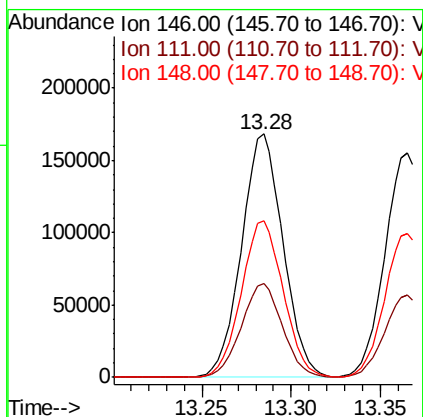
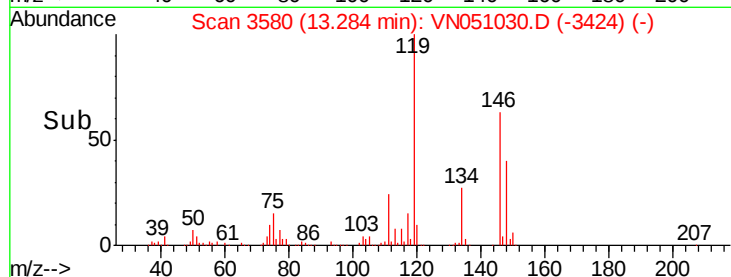
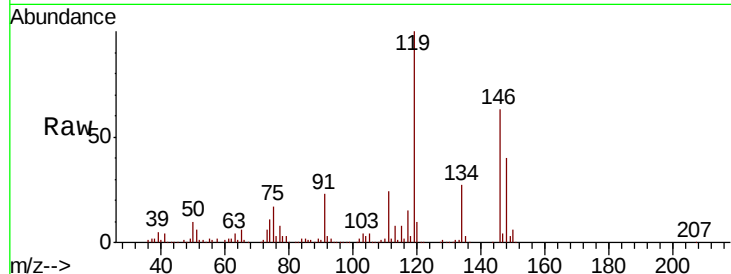
#83
1,3-Dichlorobenzene
Concen: 18.75 ug/l
RT: 13.28 min Scan# 3580
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampled :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.6
148	64.7	31.8	95.3

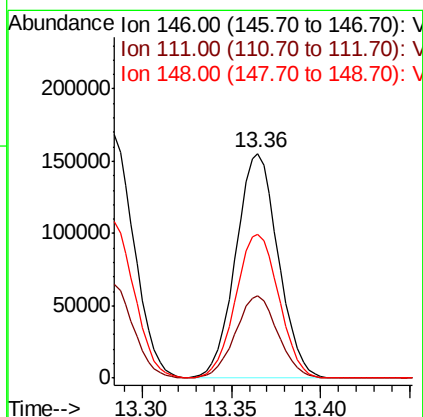
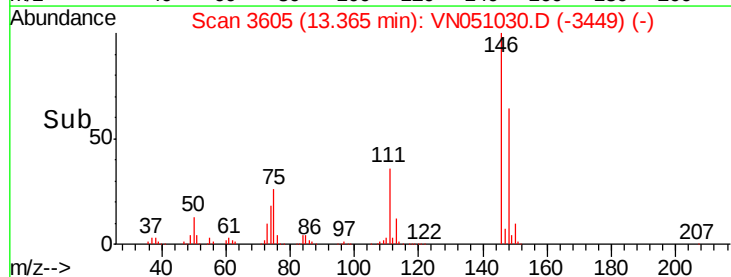
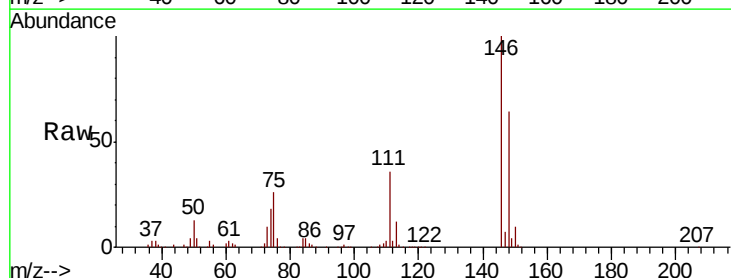
Manual Integrations
APPROVED

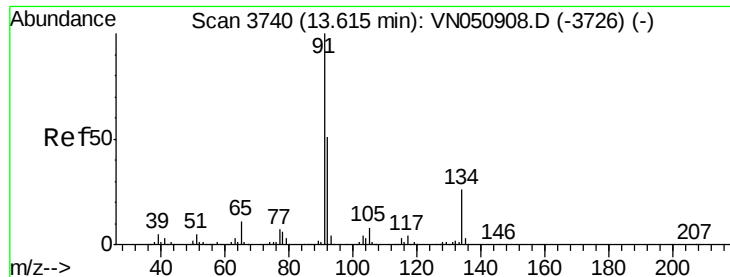
MMDadoda
9/7/2018 11:23:21 AM



#84
1,4-Dichlorobenzene
Concen: 18.52 ug/l
RT: 13.36 min Scan# 3605
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	17.7	53.1
148	65.7	31.6	94.8





#85

n-Butylbenzene

Concen: 17.28 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

Instrument :

MSVOA_N

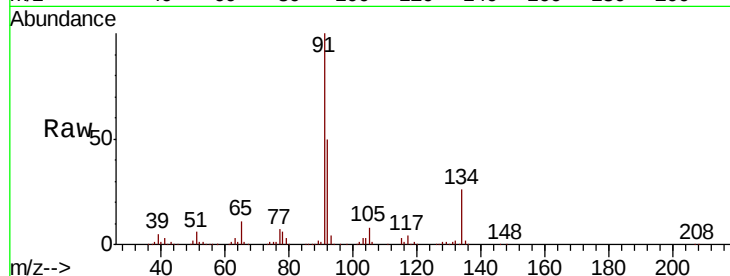
ClientSampled :

VN0906WBS01

Tot Ion:	91	Resp:	348285
Ion Ratio	Lower	Upper	
91	100		
92	51.2	0.0	101.8
134	26.2	0.0	52.2

Manual Integrations
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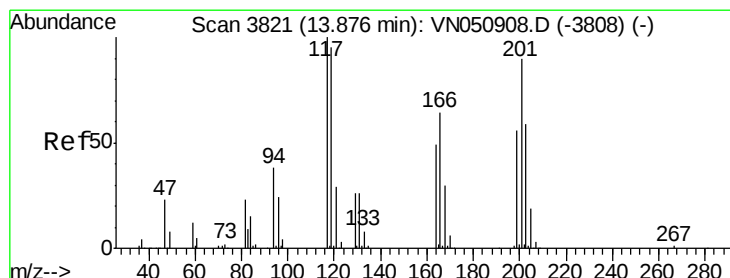
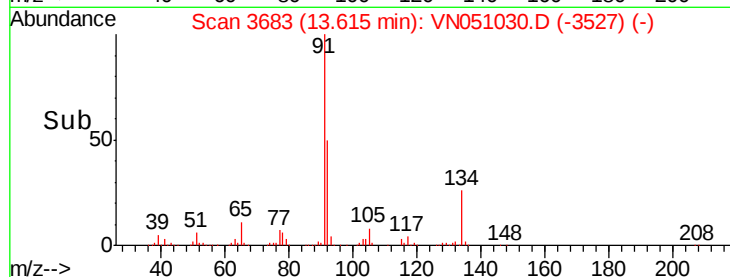
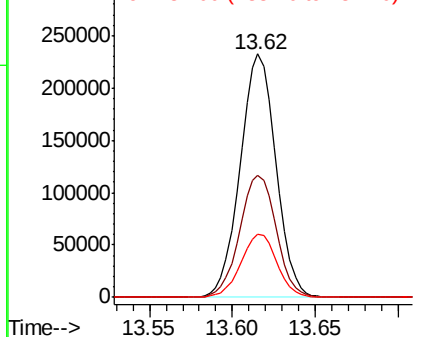


Abundance

Ion 91.00 (90.70 to 91.70): VN051030.D (-3527) (-)

Ion 92.00 (91.70 to 92.70): VN051030.D (-3527) (-)

Ion 134.00 (133.70 to 134.70): VN051030.D (-3527) (-)



#86

Hexachloroethane

Concen: 18.63 ug/l

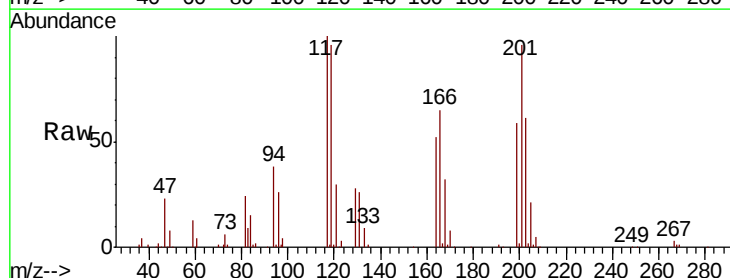
RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN051030.D

Acq: 6 Sep 2018 12:59

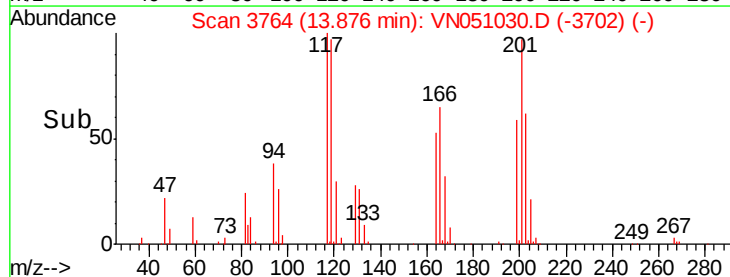
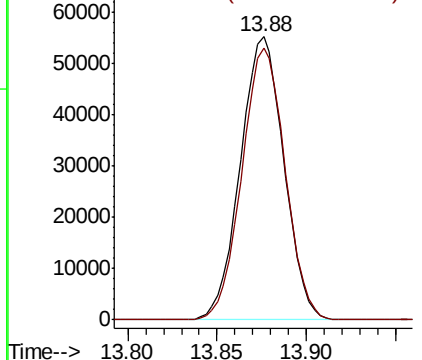
Tgt Ion:	117	Resp:	94462
Ion Ratio	Lower	Upper	
117	100		
201	95.1	45.8	137.4

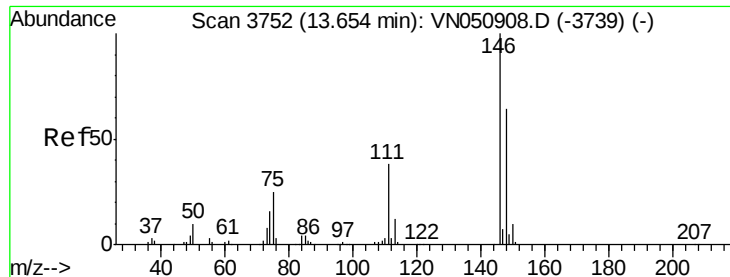


Abundance

Ion 117.00 (116.70 to 117.70): VN051030.D (-3702) (-)

Ion 201.00 (200.70 to 201.70): VN051030.D (-3702) (-)





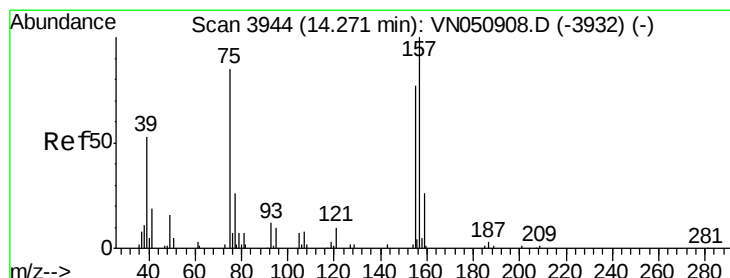
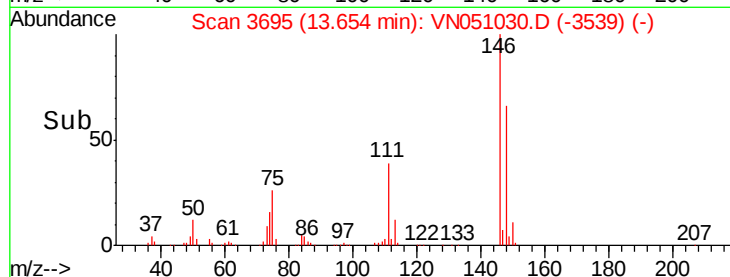
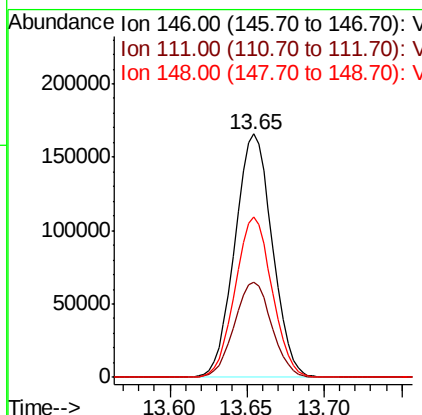
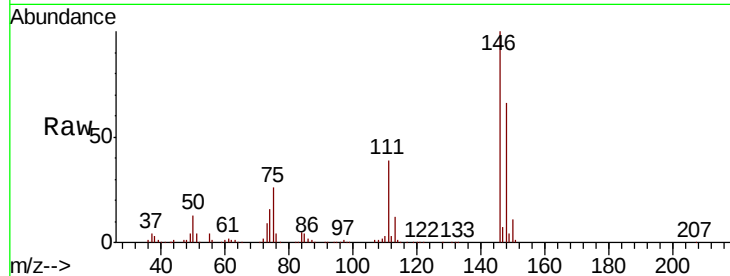
#87
 1,2-Dichlorobenzene
 Concen: 19.28 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	278262		
111	39.1	19.1	57.1	
148	65.2	31.9	95.9	

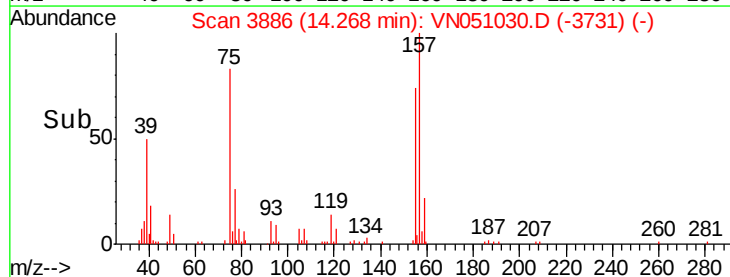
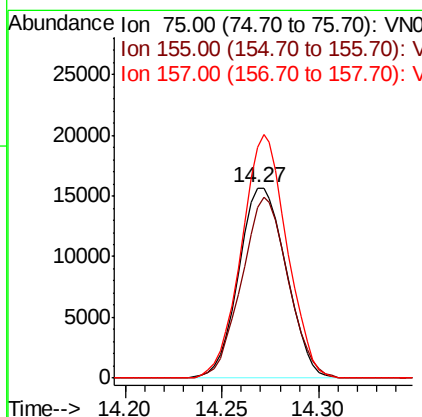
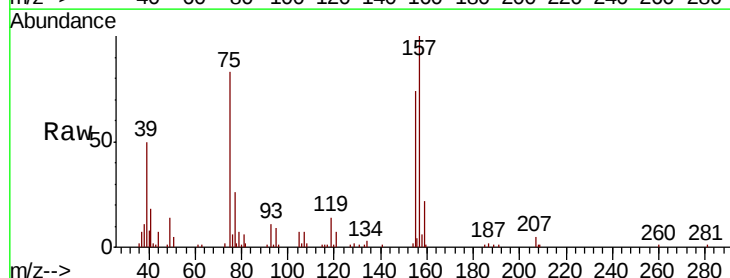
Manual Integrations
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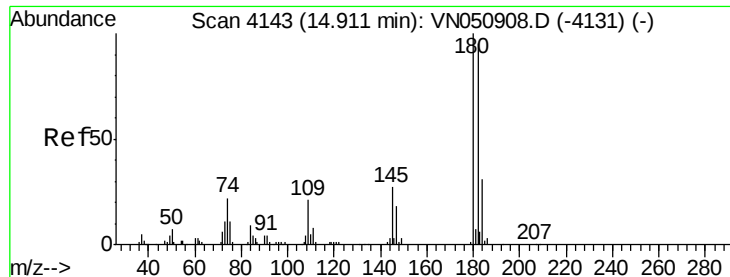
MMDadoda
 9/7/2018 11:23:21 AM



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 21.50 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	26844		
155	92.5	71.8	107.6	
157	122.1	91.1	136.7	





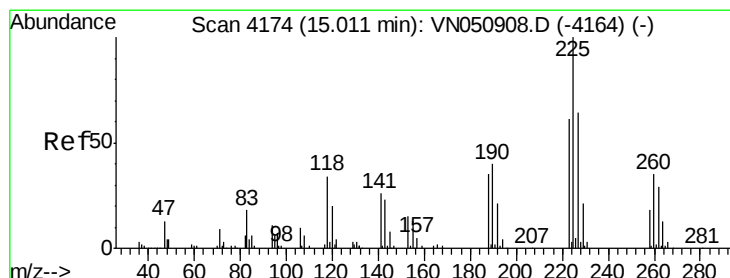
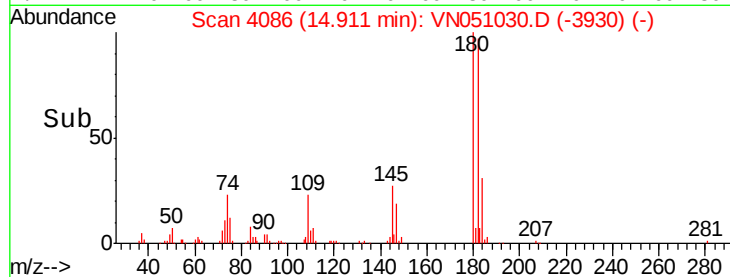
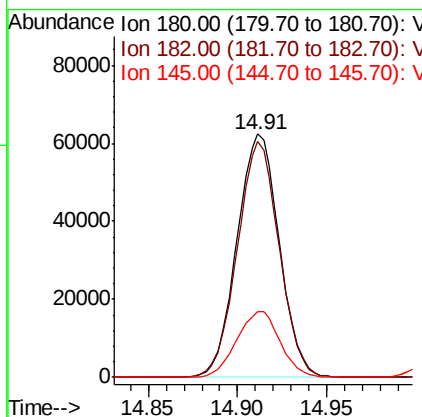
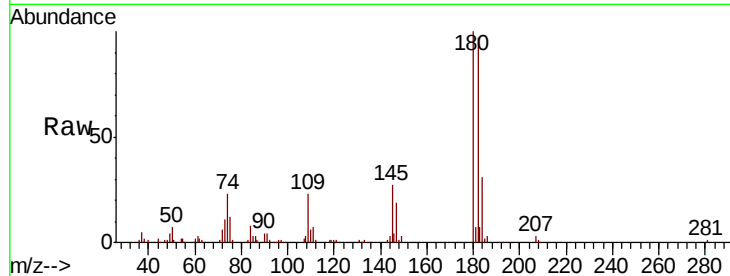
#89
 1,2,4-Trichlorobenzene
 Concen: 16.07 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Instrument :
 MSVOA_N
 ClientSampled :
 VN0906WBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	103229		
182	96.1	76.2	114.4	
145	27.7	22.2	33.4	

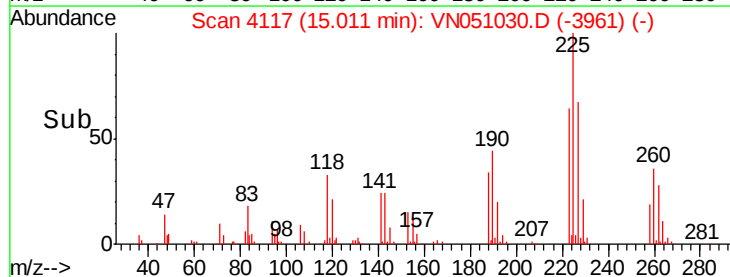
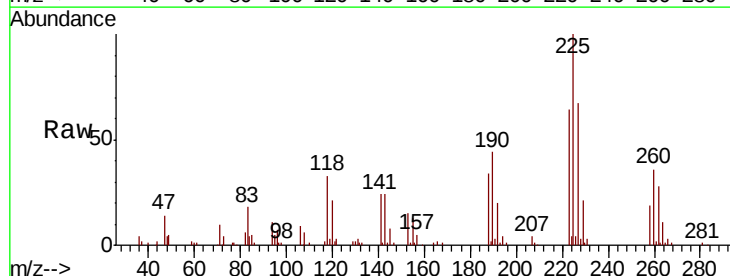
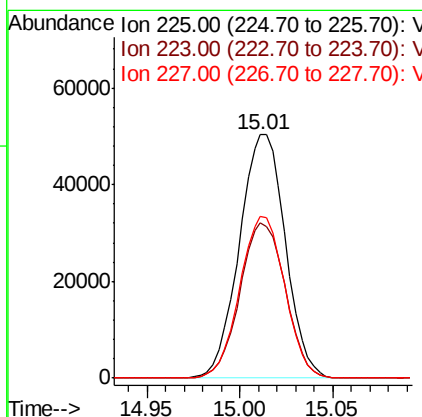
Manual Integrations
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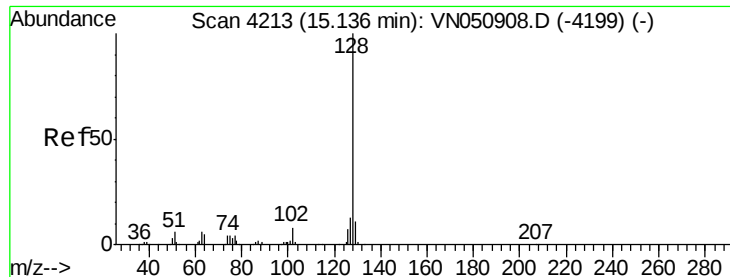
MMDadoda
 9/7/2018 11:23:21 AM



#90
 Hexachlorobutadiene
 Concen: 19.95 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN051030.D
 Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	87073		
223	63.0	0.0	127.8	
227	64.6	0.0	128.4	





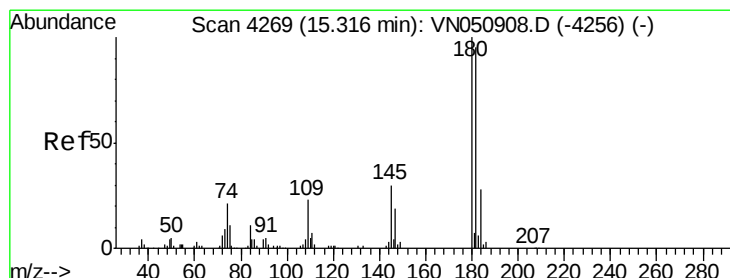
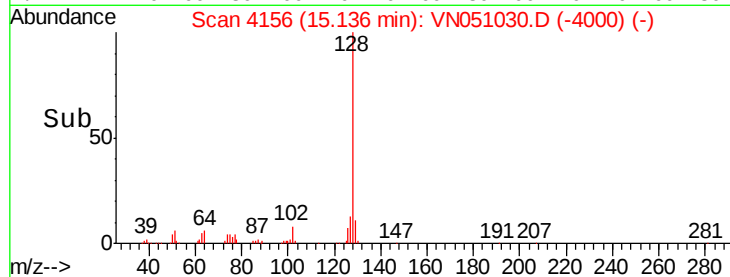
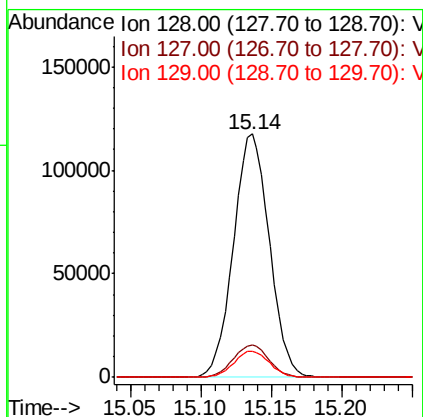
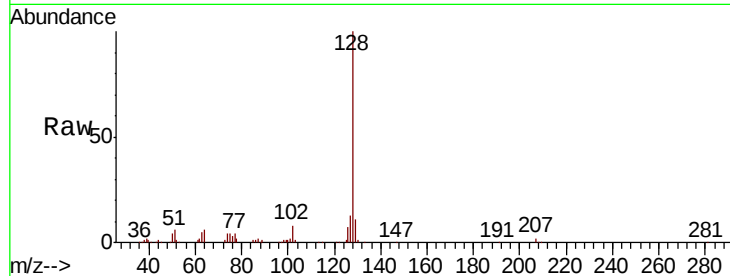
#91
Naphthalene
Concen: 19.03 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Instrument :
MSVOA_N
ClientSampleId :
VN0906WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	16.0
129	10.7	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
9/7/2018 11:23:21 AM



#92
1,2,3-Trichlorobenzene
Concen: 17.49 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN051030.D
Acq: 6 Sep 2018 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	0.0	192.8
145	29.6	0.0	60.0

