

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100418\
 Data File : VN051666.D
 Acq On : 4 Oct 2018 14:55
 Operator : MD\SY
 Sample : VN1004WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:13 PM

Quant Time: Oct 05 06:52:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N100418W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	471547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	714533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	643910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	306086	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	313543	50.33	ug/l	0.00
Spiked Amount						
			Recovery	=	100.66%	
35) Dibromofluoromethane	7.59	113	276348	50.02	ug/l	0.00
Spiked Amount						
			Recovery	=	100.04%	
50) Toluene-d8	10.09	98	1009679	48.99	ug/l	0.00
Spiked Amount						
			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	321269	44.04	ug/l	0.00
Spiked Amount						
			Recovery	=	88.08%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	117218	20.569	ug/l	99
3) Chloromethane	2.06	50	116250	21.602	ug/l	98
4) Vinyl Chloride	2.18	62	188131	22.193	ug/l	99
5) Bromomethane	2.57	94	133280	20.445	ug/l	96
6) Chloroethane	2.70	64	120362	21.126	ug/l	98
7) Trichlorofluoromethane	3.01	101	184258	20.069	ug/l	98
8) Diethyl Ether	3.41	74	49175	19.907	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	95429	20.254	ug/l	97
10) Methyl Iodide	3.95	142	98802	17.457	ug/l	98
11) Tert butyl alcohol	4.80	59	40366	95.348	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	85892	19.559	ug/l	98
13) Acrolein	3.61	56	25841	97.701	ug/l	95
14) Allyl chloride	4.33	41	129683	19.362	ug/l	97
15) Acrylonitrile	4.99	53	146544	100.310	ug/l	97
16) Acetone	3.82	43	115551	99.403	ug/l	97
17) Carbon Disulfide	4.05	76	257928	19.323	ug/l	99
18) Methyl Acetate	4.33	43	70807	20.593	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	279457	19.280	ug/l	97
20) Methylene Chloride	4.55	84	98548	19.228	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	99292	19.081	ug/l	93
22) Diisopropyl ether	5.96	45	280602	19.544	ug/l	99
23) Vinyl Acetate	5.90	43	1020190	96.640	ug/l	100
24) 1,1-Dichloroethane	5.85	63	175375	18.993	ug/l	98
25) 2-Butanone	6.84	43	181528	100.916	ug/l	99
26) 2,2-Dichloropropane	6.83	77	180460	19.502	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	113710	18.823	ug/l	100
28) Bromochloromethane	7.20	49	73222	17.912	ug/l	97
29) Tetrahydrofuran	7.22	42	111287	100.815	ug/l	99
30) Chloroform	7.37	83	194619	18.759	ug/l	98
31) Cyclohexane	7.65	56	164286	19.428	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	184331	18.331	ug/l	99
36) 1,1-Dichloropropene	7.80	75	140423	18.802	ug/l	99
37) Ethyl Acetate	6.94	43	78000	20.024	ug/l	99
38) Carbon Tetrachloride	7.78	117	168266	18.776	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Fri Oct 05 02:22:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	181929	19.405	ug/l	99
40) Benzene	8.04	78	417944	18.877	ug/l	98
41) Methacrylonitrile	7.21	41	116593	58.142	ug/l #	13
42) 1,2-Dichloroethane	8.13	62	141132	18.915	ug/l	97
43) Isopropyl Acetate	8.17	43	164227	20.222	ug/l #	88
44) Trichloroethene	8.84	130	116620	18.551	ug/l	97
45) 1,2-Dichloropropane	9.12	63	105351	19.246	ug/l	98
46) Dibromomethane	9.21	93	71022	18.666	ug/l	98
47) Bromodichloromethane	9.40	83	158229	18.891	ug/l	98
48) Methyl methacrylate	9.20	41	73396	19.778	ug/l	98
49) 1,4-Dioxane	9.20	88	21937	394.230	ug/l	96
51) 4-Methyl-2-Pentanone	9.99	43	424124	103.060	ug/l	98
52) Toluene	10.16	92	269224	18.282	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	159146	18.414	ug/l	96
54) cis-1,3-Dichloropropene	9.84	75	170270	18.552	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	97828	18.649	ug/l	98
56) Ethyl methacrylate	10.43	69	124332	18.742	ug/l	96
57) 1,3-Dichloropropane	10.71	76	155369	18.713	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	233805	85.158	ug/l	98
59) 2-Hexanone	10.75	43	278033	99.481	ug/l	96
60) Dibromochloromethane	10.90	129	123388	17.974	ug/l	99
61) 1,2-Dibromoethane	11.01	107	99946	18.023	ug/l	99
64) Tetrachloroethene	10.63	164	109531	19.281	ug/l	96
65) Chlorobenzene	11.44	112	292343	18.332	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	118486	18.556	ug/l	98
67) Ethyl Benzene	11.51	91	520945	18.899	ug/l	98
68) m/p-Xylenes	11.62	106	405745	36.789	ug/l	99
69) o-Xylene	11.95	106	200273	18.516	ug/l	98
70) Styrene	11.96	104	308991	17.928	ug/l	99
71) Bromoform	12.13	173	82324	17.333	ug/l #	97
73) Isopropylbenzene	12.25	105	533670	20.453	ug/l	99
74) N-amyl acetate	12.07	43	123020	20.902	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	116436	20.752	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	103877m	25.285	ug/l	
77) Bromobenzene	12.53	156	124352	19.492	ug/l	98
78) n-propylbenzene	12.59	91	577338	20.287	ug/l	99
79) 2-Chlorotoluene	12.67	91	336000	20.033	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	445476	20.259	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	34182	20.528	ug/l	94
82) 4-Chlorotoluene	12.77	91	324082	19.234	ug/l	99
83) tert-Butylbenzene	12.99	119	397065	20.153	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	442855	20.107	ug/l	99
85) sec-Butylbenzene	13.17	105	530984	20.373	ug/l	99
86) p-Isopropyltoluene	13.29	119	461169	19.960	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	214626	19.306	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	201534	18.418	ug/l	99
89) n-Butylbenzene	13.62	91	360669	19.743	ug/l	98
90) Hexachloroethane	13.87	117	95747	20.770	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	213013	19.275	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19024	20.756	ug/l	98

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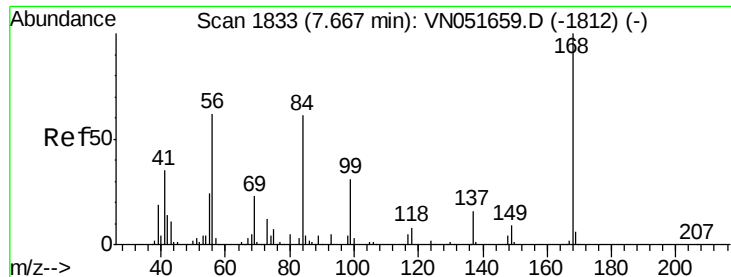
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	81032	16.478	ug/l	97
94) Hexachlorobutadiene	15.01	225	67845	20.334	ug/l	98
95) Naphthalene	15.13	128	166138	15.645	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	82612	17.057	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

VN1004WBS01

Tot Ion:168 Resp: 471547

Ion Ratio Lower Upper

168 100

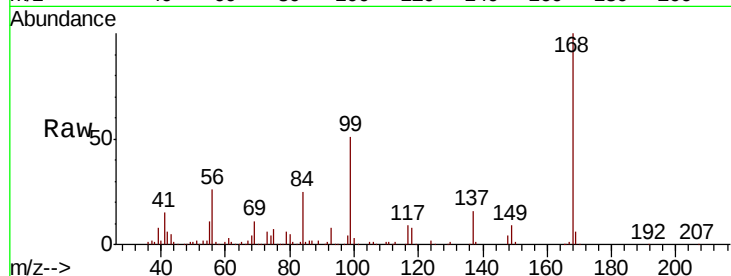
99 51.0 40.4 60.6

Manual Integrations

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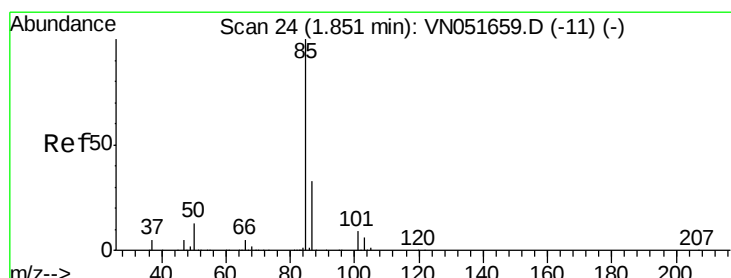
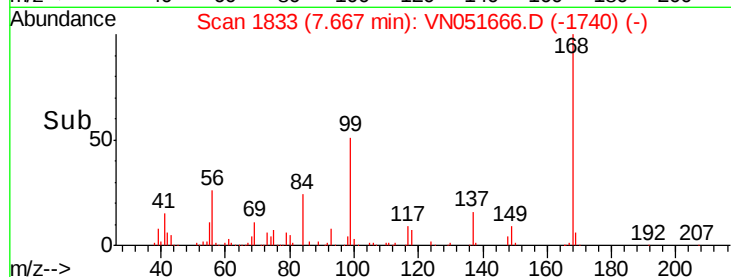
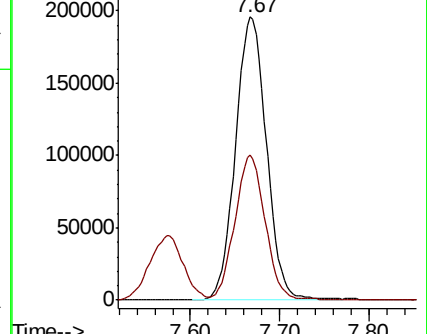
MMDadoda

10/8/2018 1:53:13 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 20.569 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN051666.D

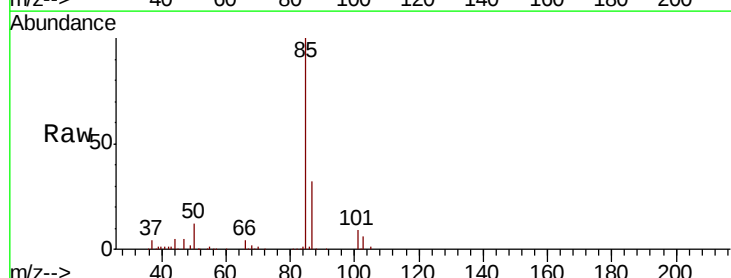
Acq: 4 Oct 2018 14:55

Tgt Ion: 85 Resp: 117218

Ion Ratio Lower Upper

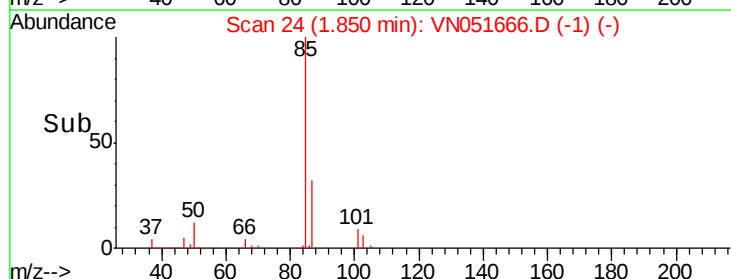
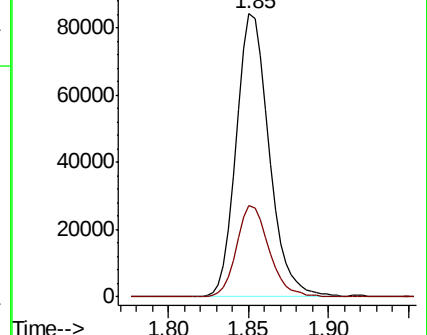
85 100

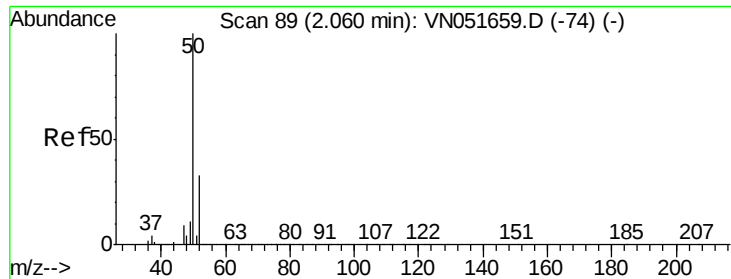
87 32.1 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 21.602 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 50 Resp: 116250

Ion Ratio Lower Upper

50 100

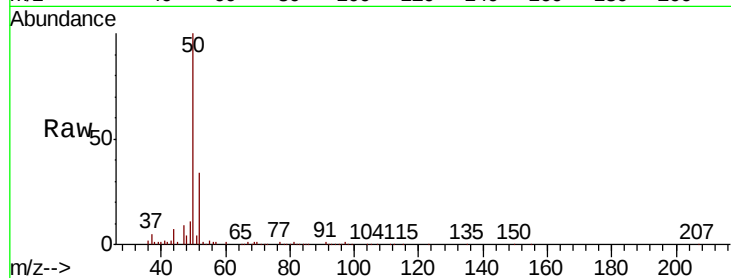
52 34.2 26.6 39.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

100000

80000

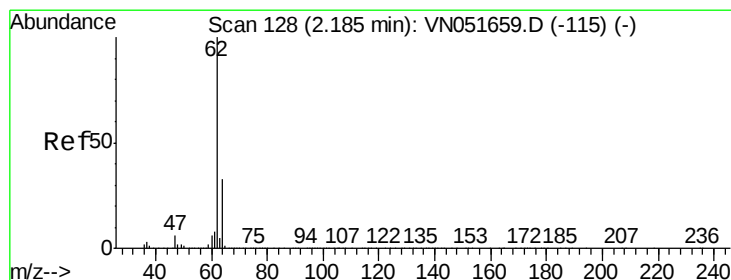
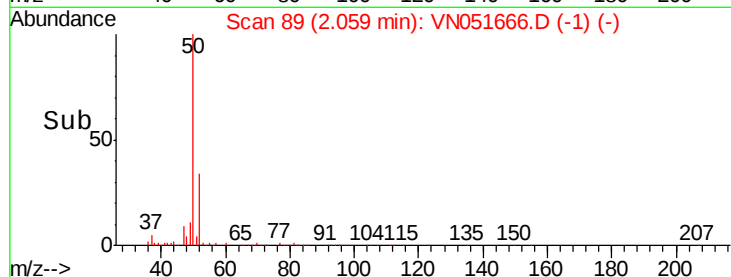
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 22.193 ug/l

RT: 2.18 min Scan# 128

Delta R.T. -0.00 min

Lab File: VN051666.D

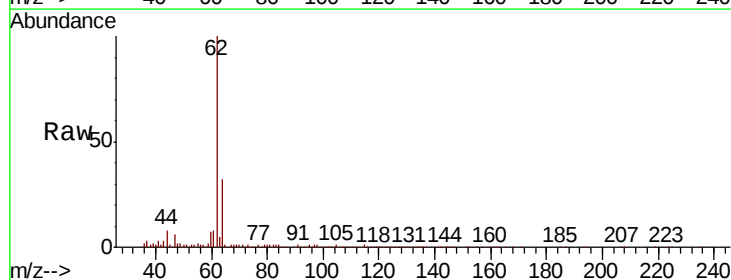
Acq: 4 Oct 2018 14:55

Tgt Ion: 62 Resp: 188131

Ion Ratio Lower Upper

62 100

64 32.0 26.2 39.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

2.18

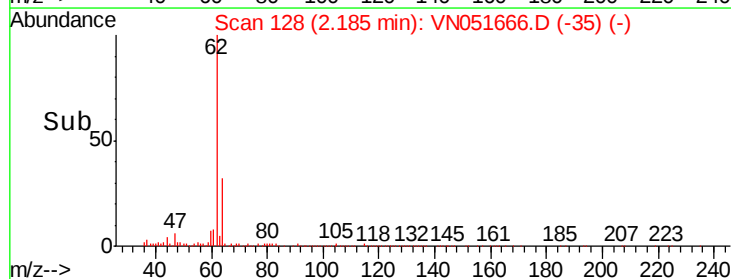
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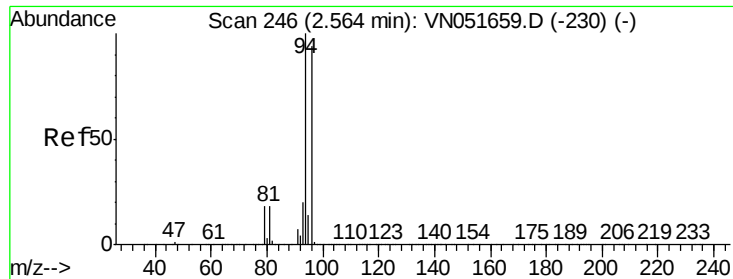
100000

50000

0

Time-->





#5

Bromomethane

Concen: 20.445 ug/l

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 94 Resp: 133280

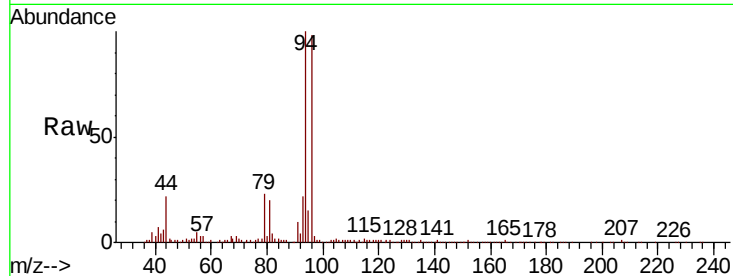
Ion Ratio Lower Upper

94 100

96 97.6 75.2 112.8

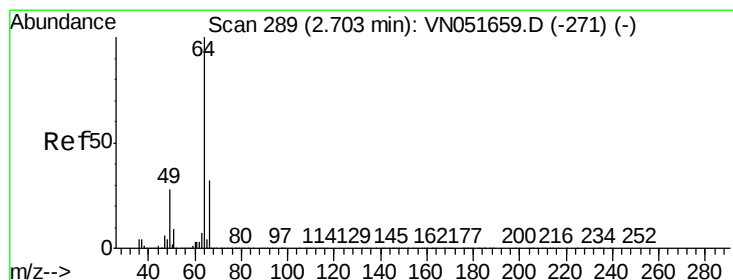
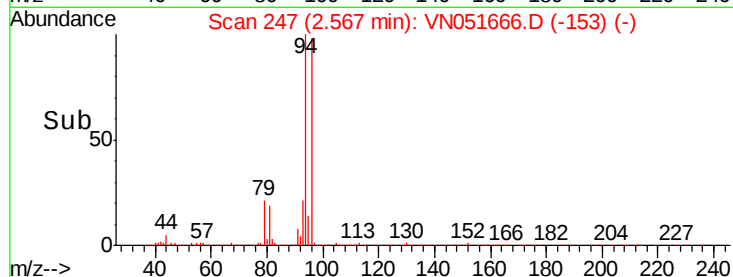
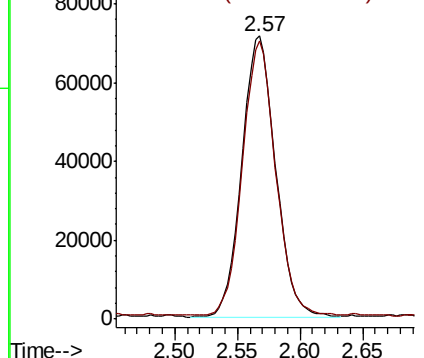
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10/8/2018 1:53:13 PM



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 21.126 ug/l

RT: 2.70 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN051666.D

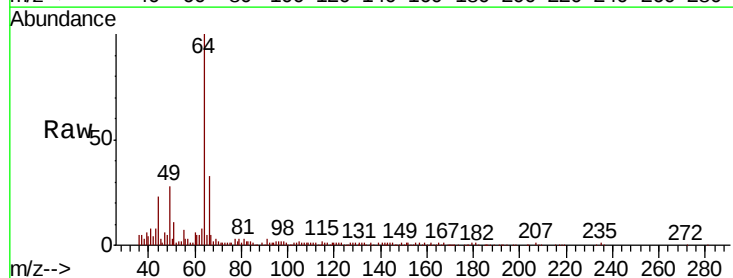
Acq: 4 Oct 2018 14:55

Tgt Ion: 64 Resp: 120362

Ion Ratio Lower Upper

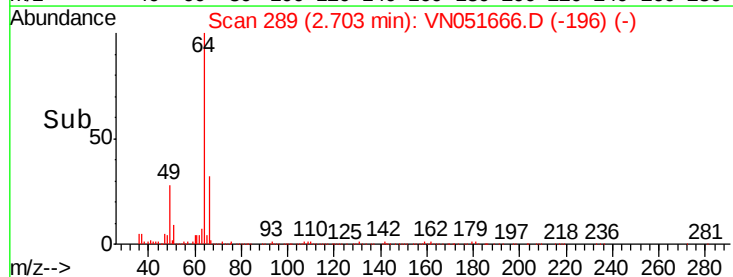
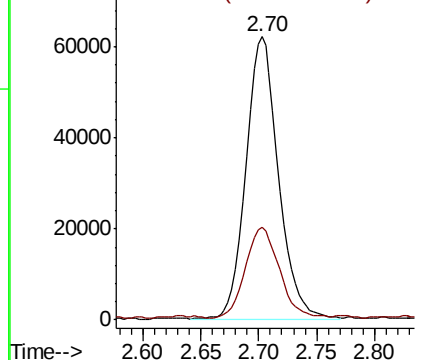
64 100

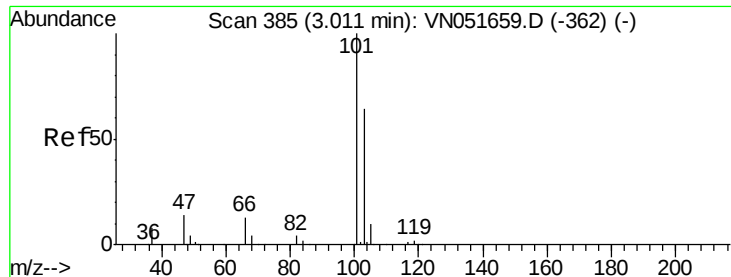
66 31.6 26.0 39.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

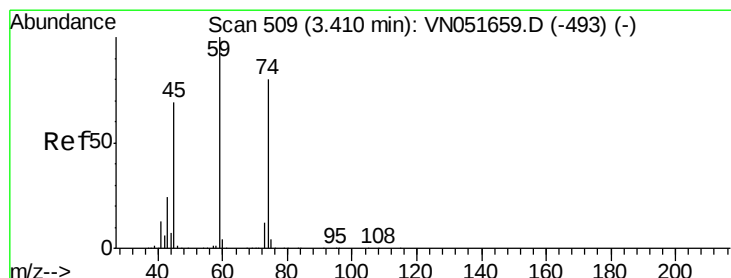
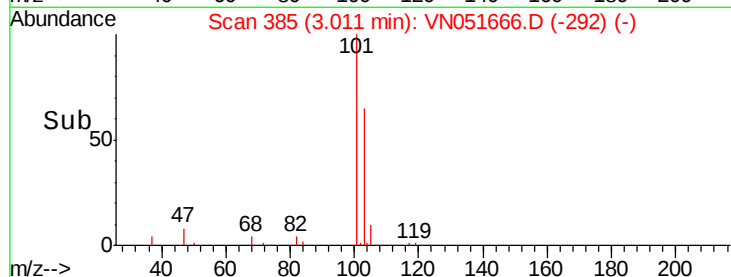
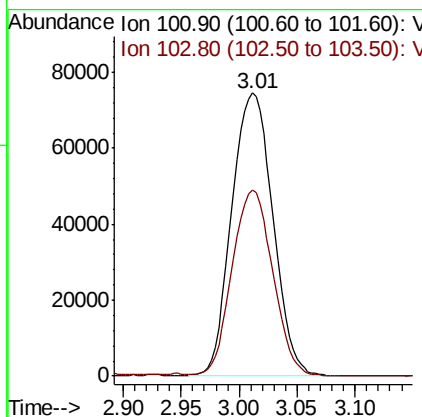
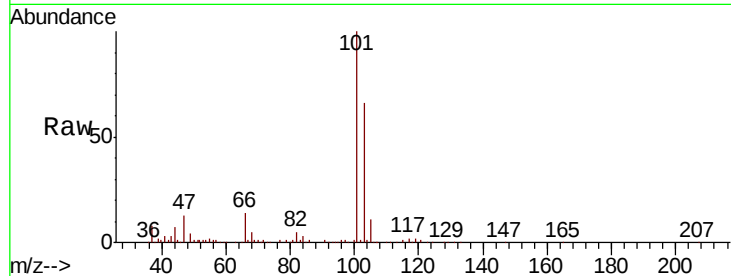
Trichlorofluoromethane
Concen: 20.069 ug/l
RT: 3.01 min Scan# 385
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	184258		
103	65.8	51.1	76.7	

Manual Integrations
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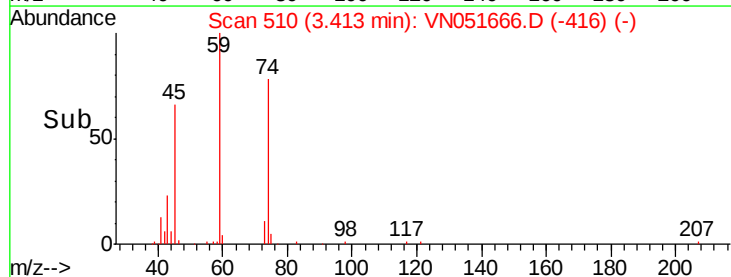
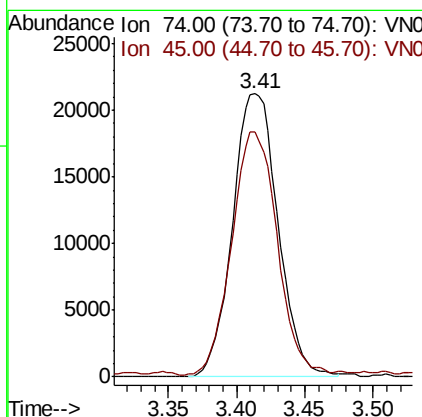
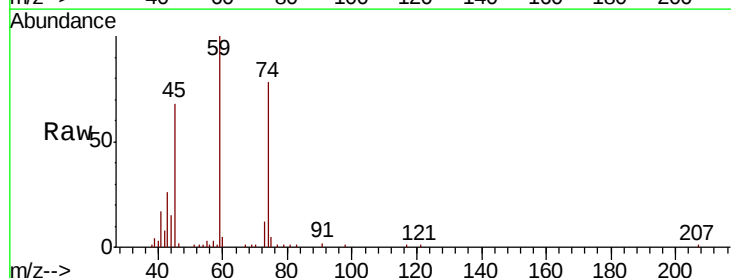
MMDadoda
10/8/2018 1:53:13 PM

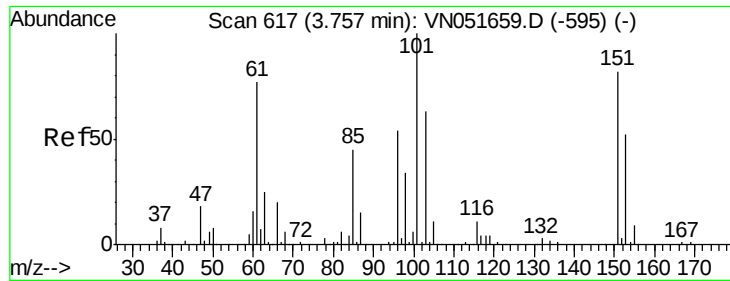


#8

Diethyl Ether
Concen: 19.907 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	49175		
45	85.6	44.3	132.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.254 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.01 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

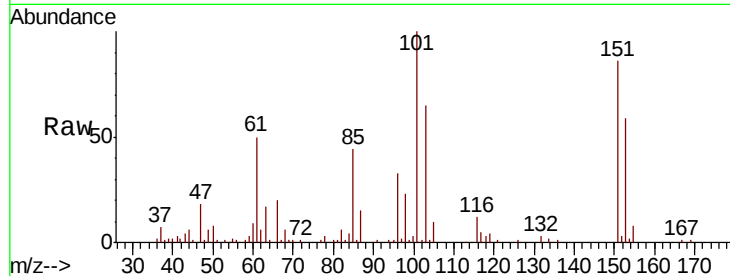
ClientSampled :

VN1004WBS01

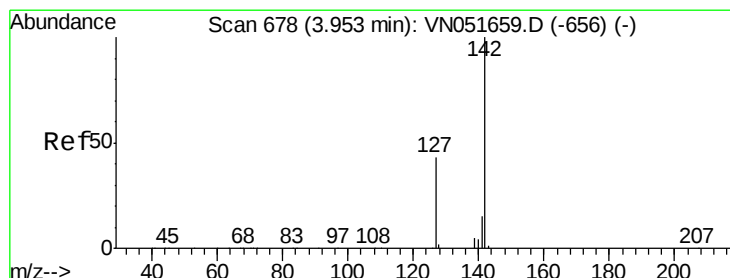
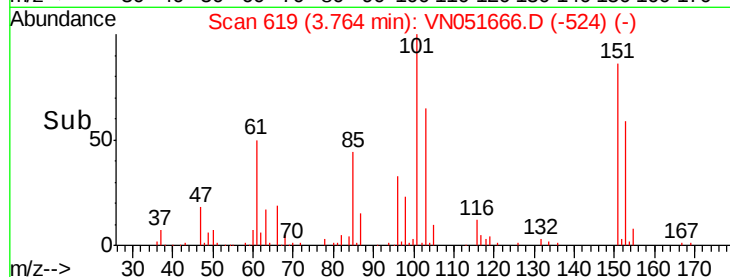
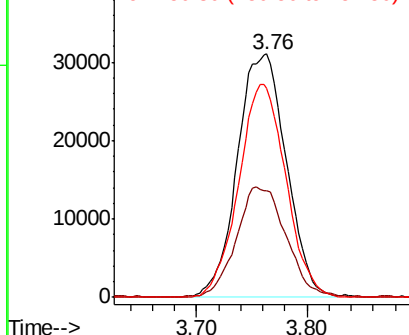
Tot Ion:	101	Resp:	95429
Ion Ratio	Lower	Upper	
101	100		
85	46.3	35.6	53.4
151	84.3	65.5	98.3

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.457 ug/l

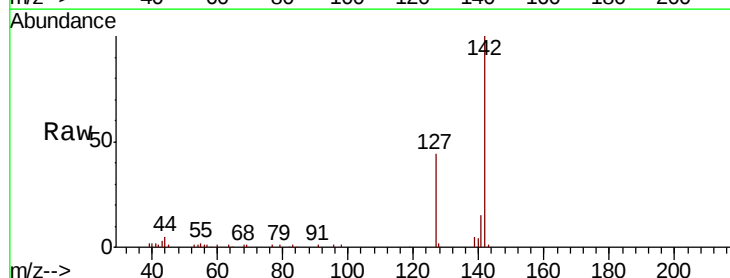
RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

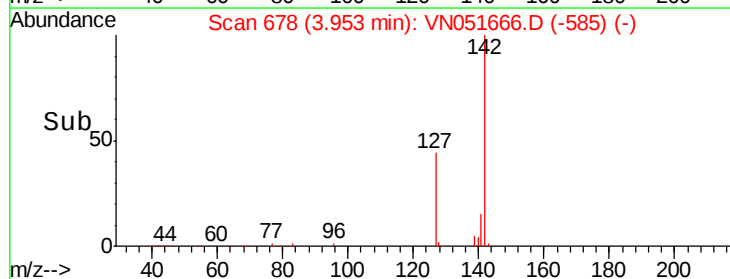
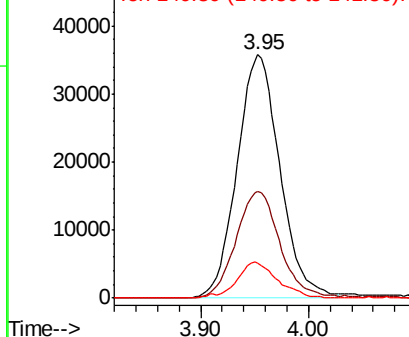
Lab File: VN051666.D

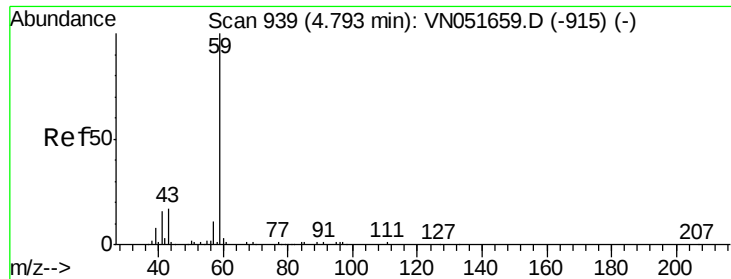
Acq: 4 Oct 2018 14:55

Tgt Ion:	142	Resp:	98802
Ion Ratio	Lower	Upper	
142	100		
127	44.7	34.7	52.1
141	13.7	11.4	17.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

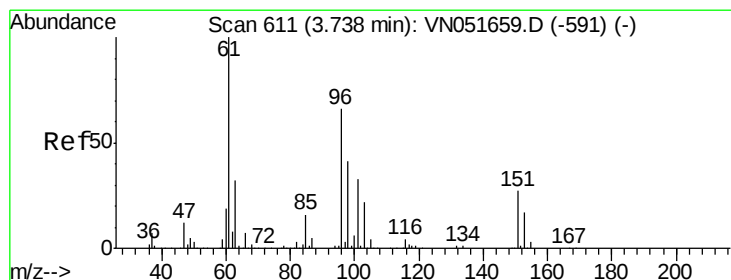
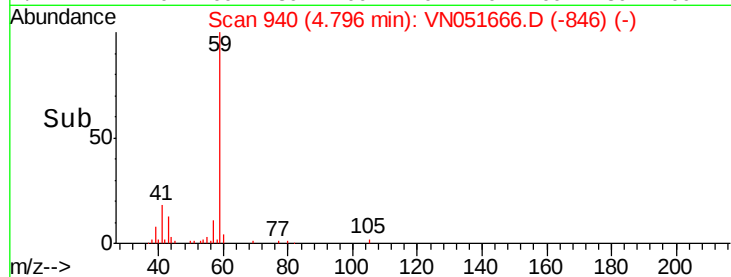
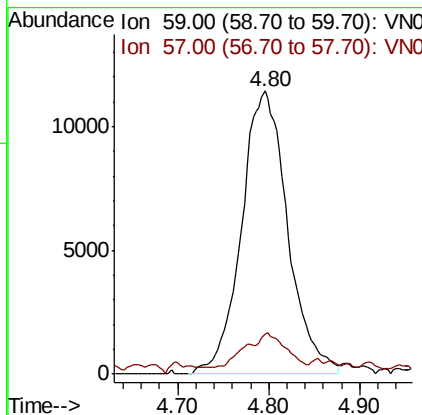
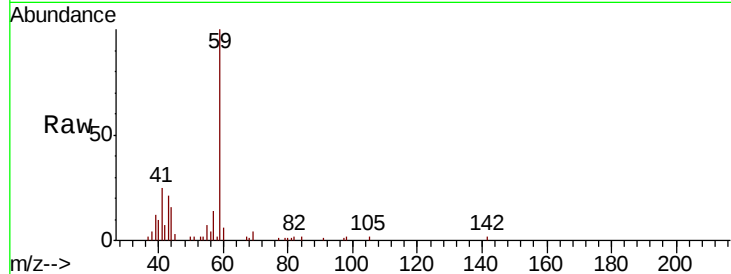
Tert butyl alcohol
 Concen: 95.348 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.9	8.1	12.1#

Manual Integrations
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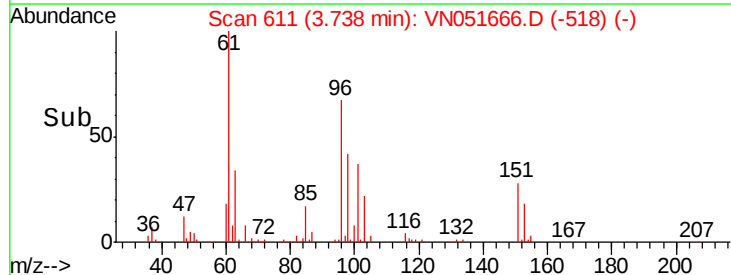
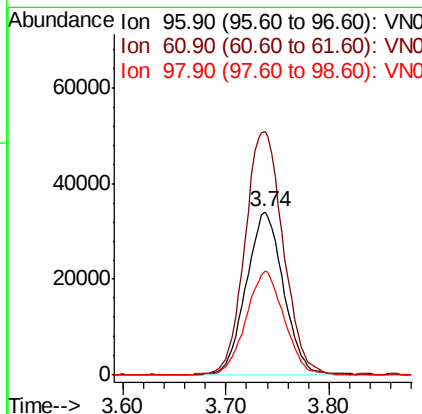
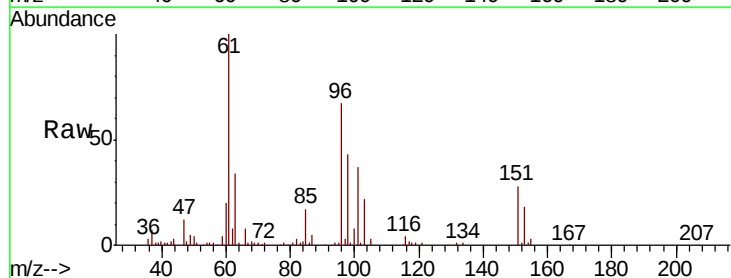
MMDadoda
 10/8/2018 1:53:13 PM



#12

1,1-Dichloroethene
 Concen: 19.559 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.9	121.4	182.0
98	63.4	49.9	74.9





#13

Acrolein

Concen: 97.701 ug/l

RT: 3.61 min Scan# 571

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 56 Resp: 25841

Ion Ratio Lower Upper

56 100

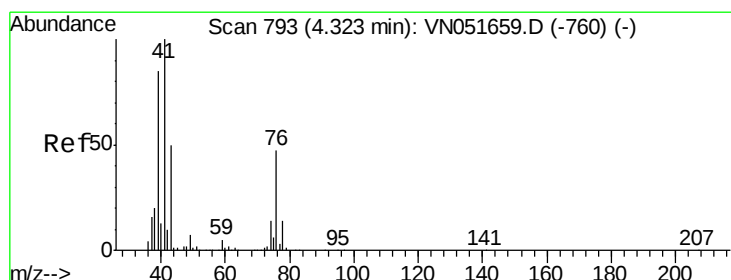
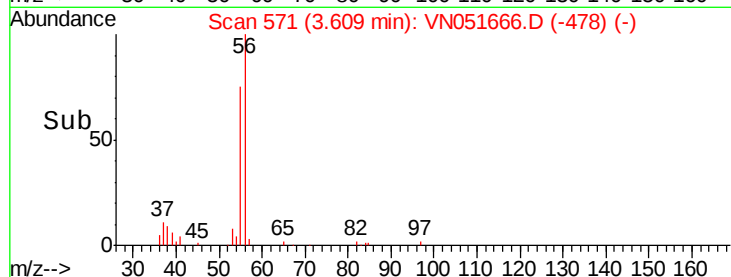
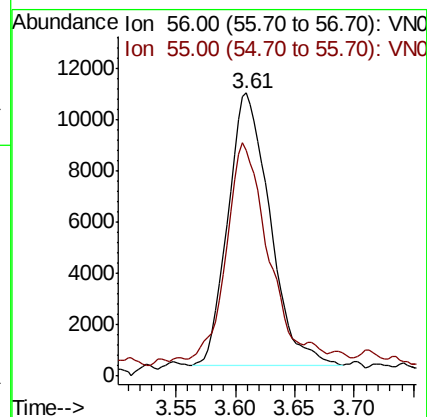
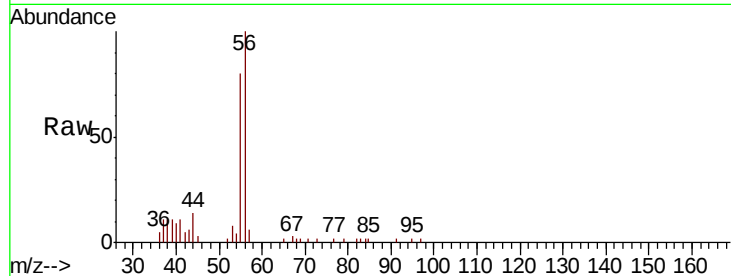
55 76.3 57.5 86.3

Manual Integrations

APPROVED

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#14

Allyl chloride

Concen: 19.362 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

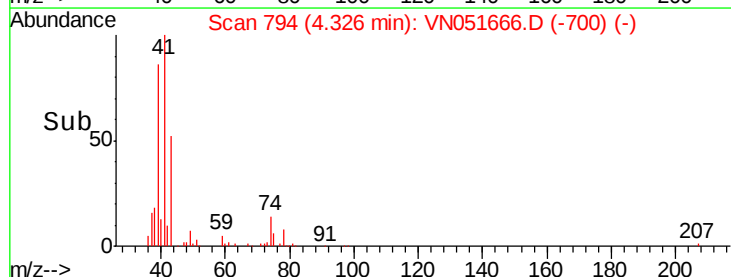
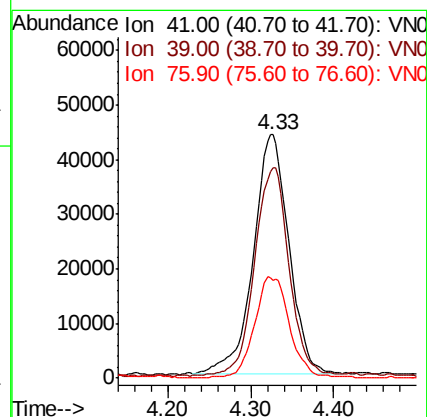
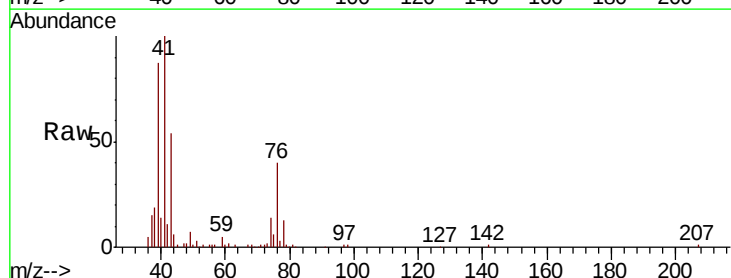
Tgt Ion: 41 Resp: 129683

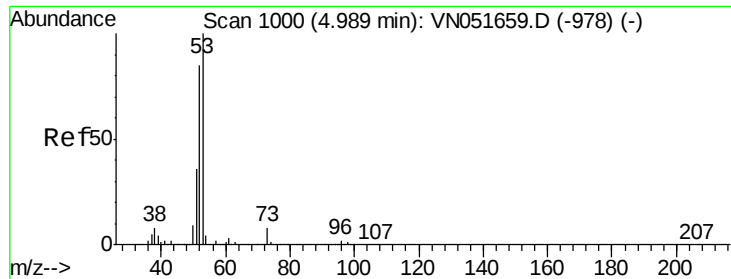
Ion Ratio Lower Upper

41 100

39 85.2 65.4 98.0

76 42.0 34.3 51.5





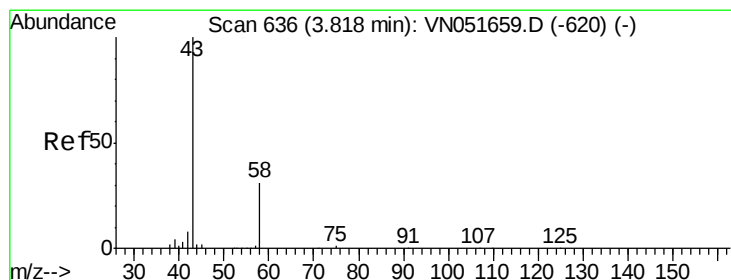
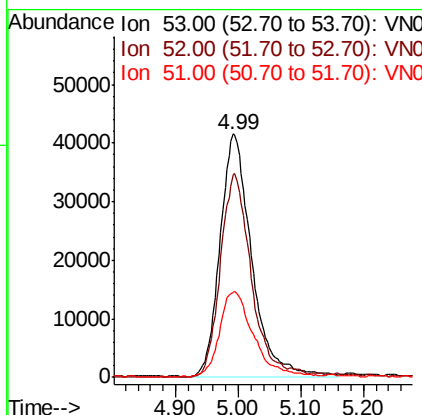
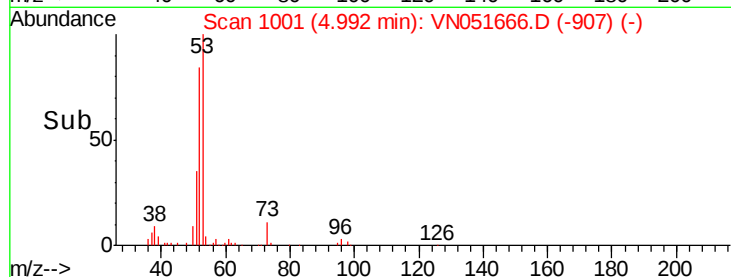
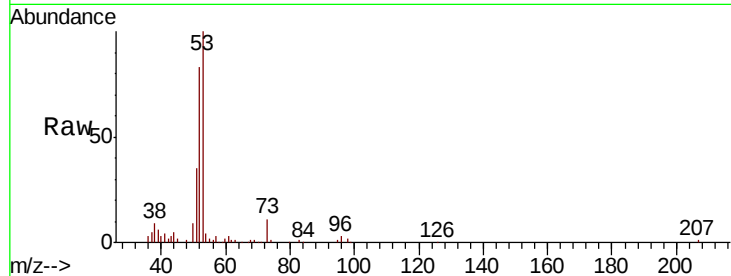
#15
 Acrylonitrile
 Concen: 100.310 ug/l
 RT: 4.99 min Scan# 1001
 Delta R.T. 0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	79.8	66.2	99.2
51	37.3	30.3	45.5

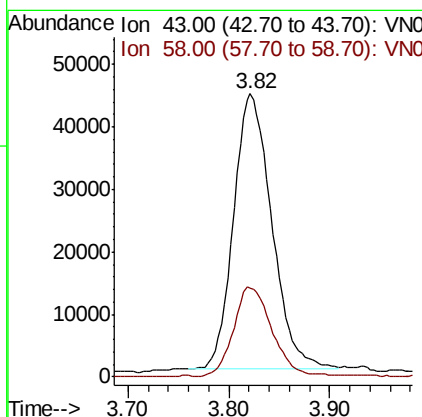
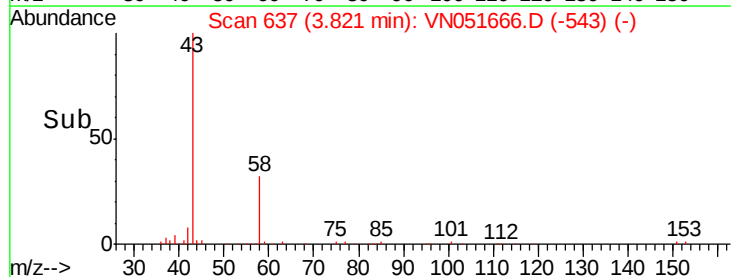
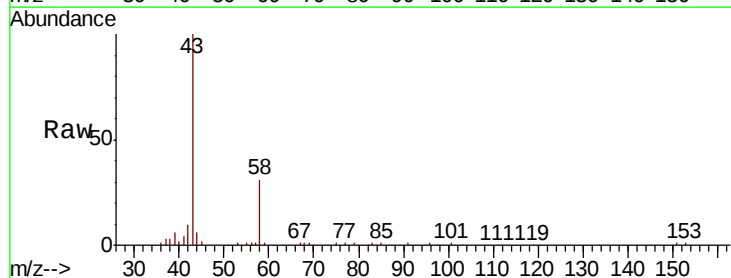
Manual Integrations
 APPROVED

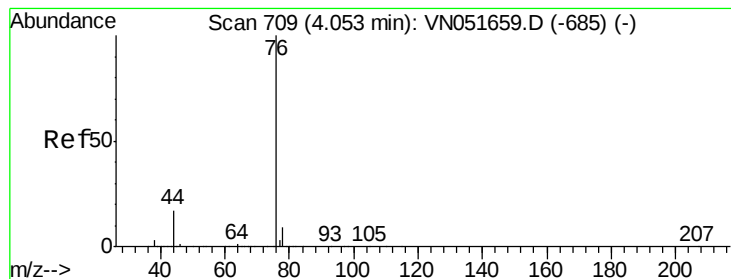
MMDadoda
 10/8/2018 1:53:13 PM



#16
 Acetone
 Concen: 99.403 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.3	36.5





#17

Carbon Disulfide

Concen: 19.323 ug/l

RT: 4.05 min Scan# 709

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampled :

VN1004WBS01

Tot Ion: 76 Resp: 257928

Ion Ratio Lower Upper

76 100

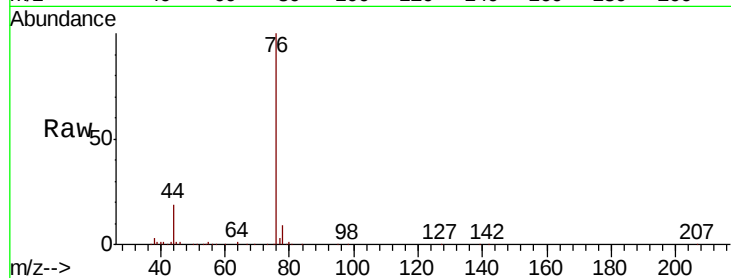
78 9.4 7.2 10.8

Manual Integrations

APPROVED

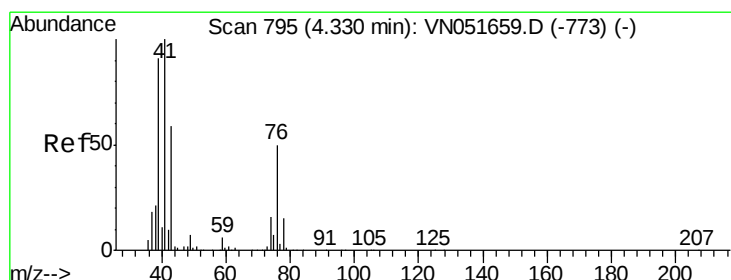
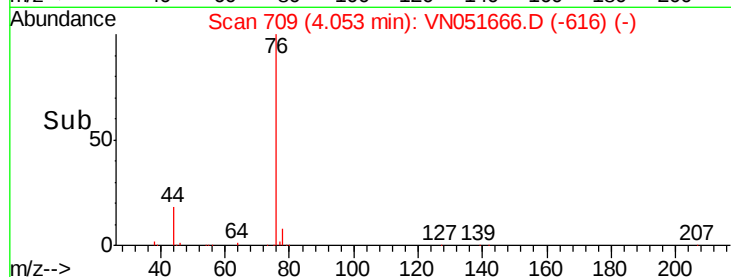
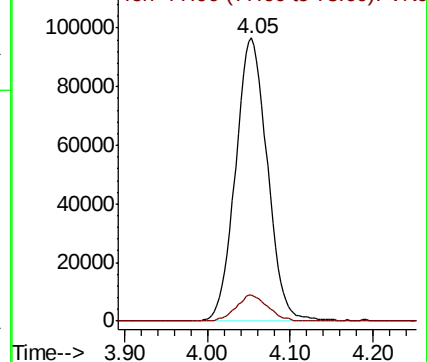
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Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC



#18

Methyl Acetate

Concen: 20.593 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.00 min

Lab File: VN051666.D

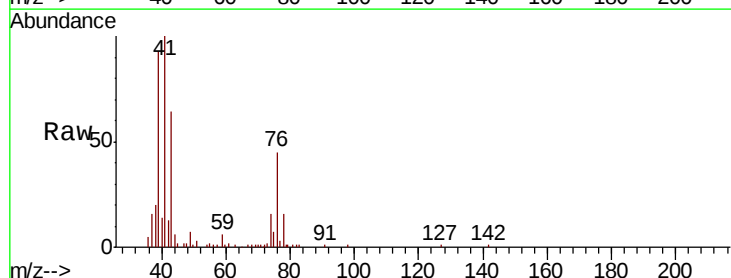
Acq: 4 Oct 2018 14:55

Tgt Ion: 43 Resp: 70807

Ion Ratio Lower Upper

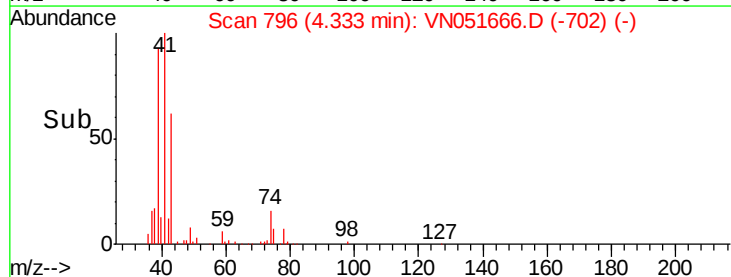
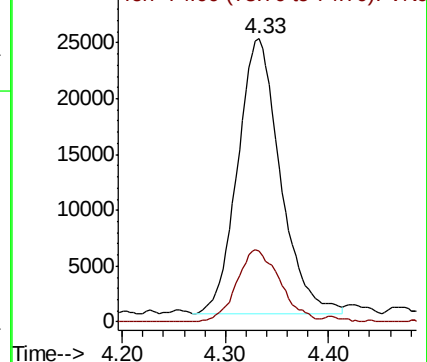
43 100

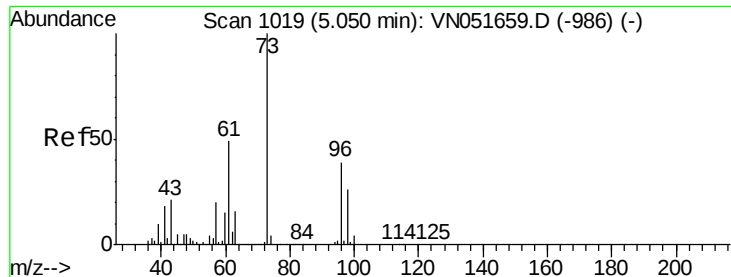
74 26.7 21.5 32.3



Abundance Ion 43.00 (42.70 to 43.70): VNC

Ion 74.00 (73.70 to 74.70): VNC





#19

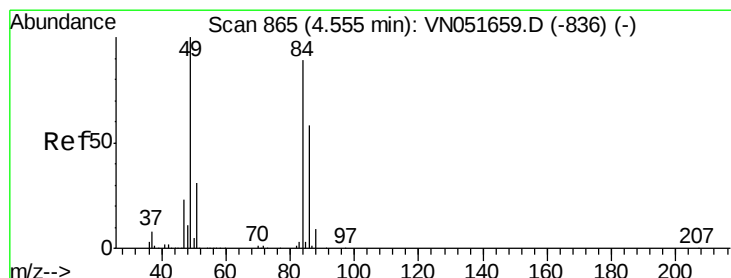
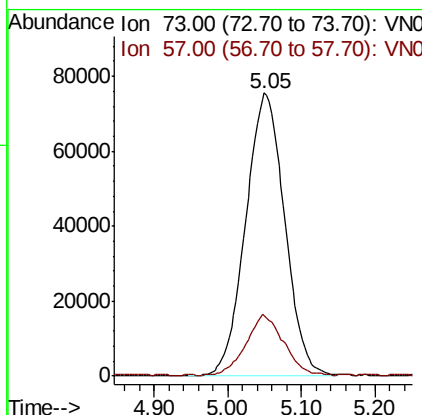
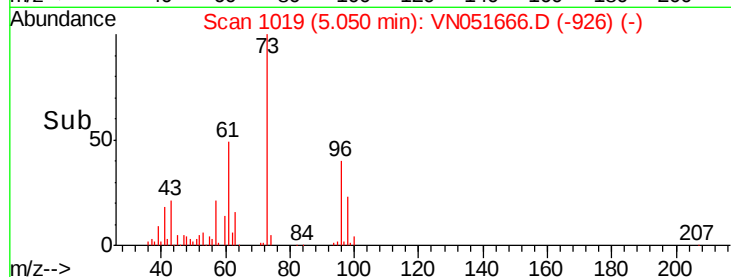
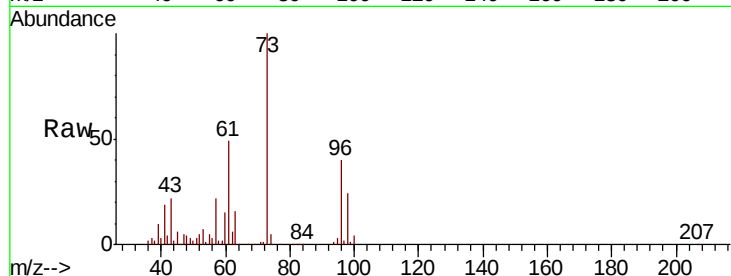
Methyl tert-butyl Ether
 Concen: 19.280 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	15.6	23.4

Manual Integrations
 APPROVED

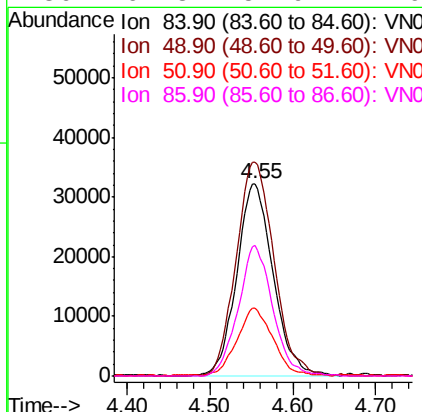
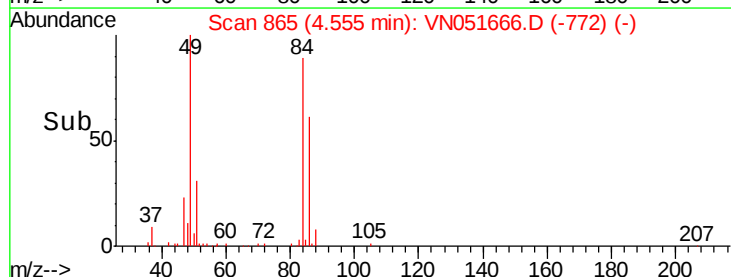
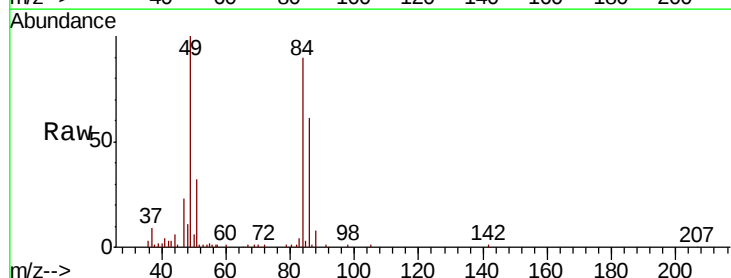
MMDadoda
 10/8/2018 1:53:13 PM

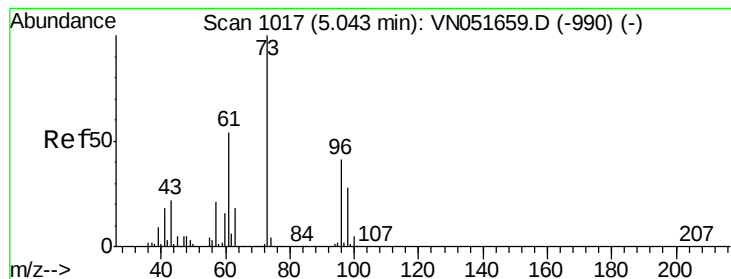


#20

Methylene Chloride
 Concen: 19.228 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.1	89.5	134.3
51	34.5	27.4	41.0
86	67.8	51.9	77.9





#21

trans-1,2-Dichloroethene

Concen: 19.081 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

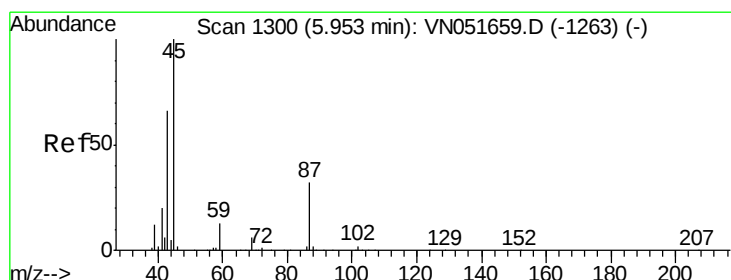
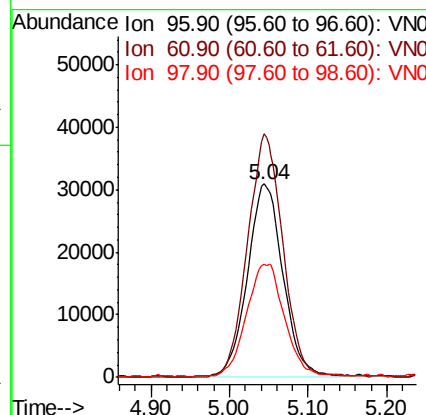
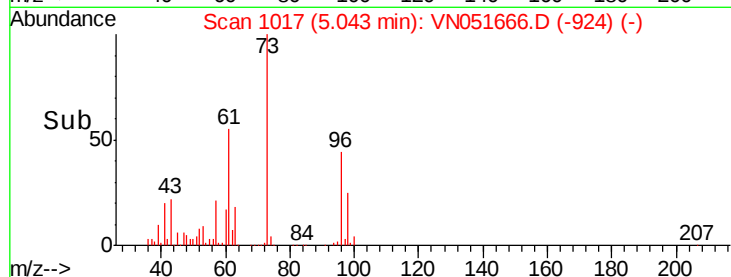
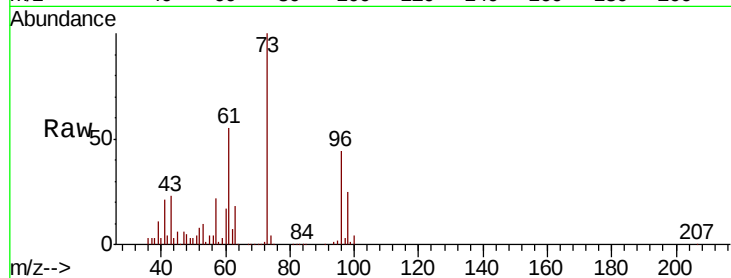
ClientSampled :

VN1004WBS01

Tot Ion:	96	Resp:	99292
Ion	Ratio	Lower	Upper
96	100		
61	125.9	104.7	157.1
98	58.4	54.6	82.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.544 ug/l

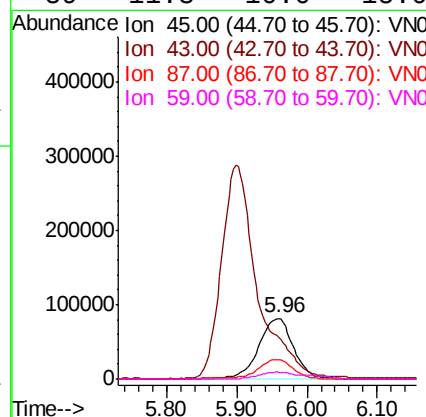
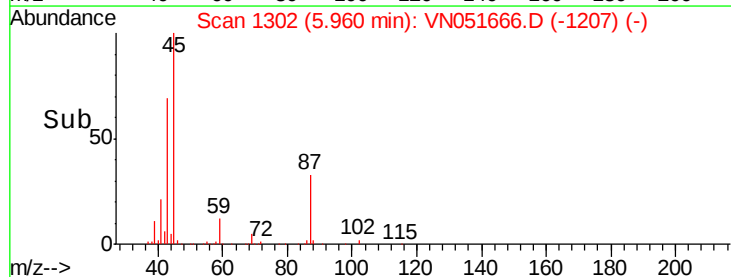
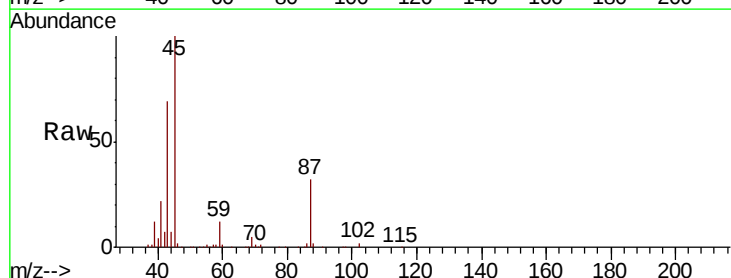
RT: 5.96 min Scan# 1302

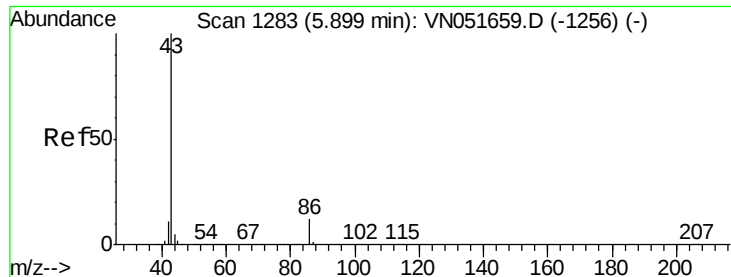
Delta R.T. 0.01 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Tgt Ion:	45	Resp:	280602
Ion	Ratio	Lower	Upper
45	100		
43	66.7	53.0	79.4
87	32.2	26.4	39.6
59	11.3	10.0	15.0





#23

Vinyl Acetate

Concen: 96.640 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 43 Resp: 1020190

Ion Ratio Lower Upper

43 100

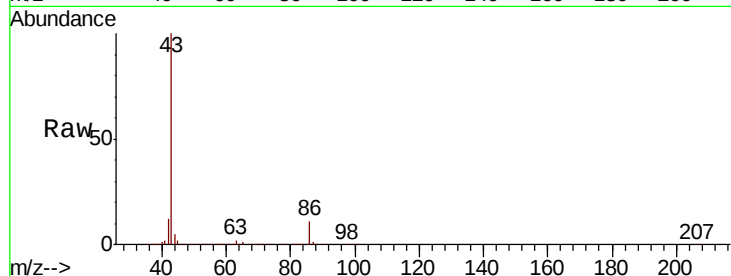
86 11.4 9.3 13.9

Manual Integrations

APPROVED

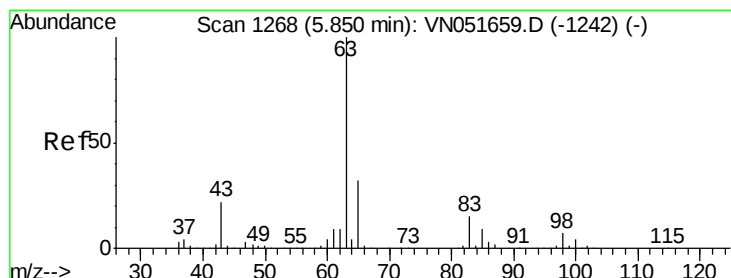
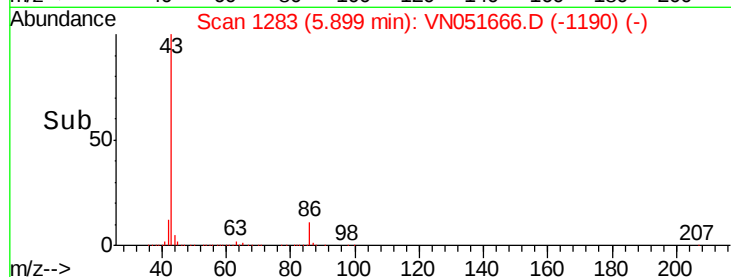
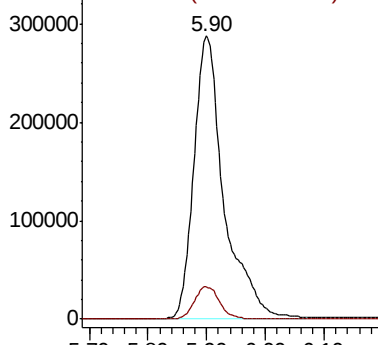
MMDadoda

10/8/2018 1:53:13 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.993 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

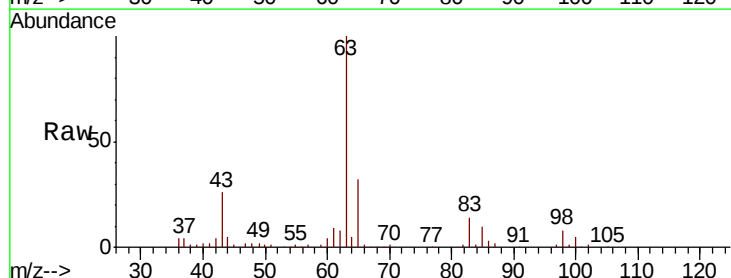
Tgt Ion: 63 Resp: 175375

Ion Ratio Lower Upper

63 100

98 7.5 3.3 9.9

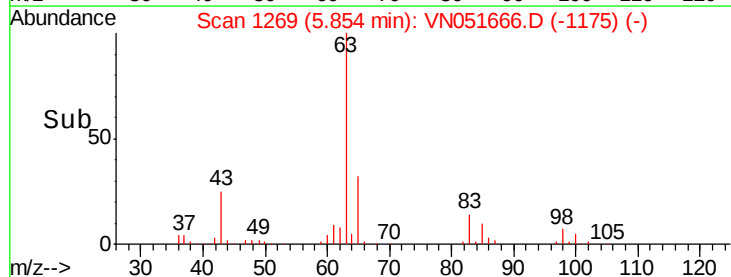
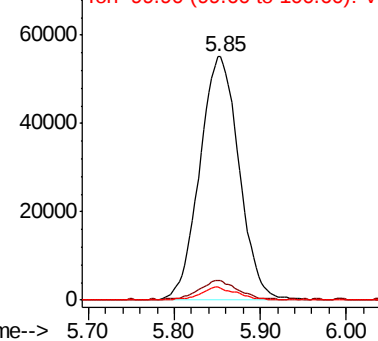
100 4.9 2.2 6.6

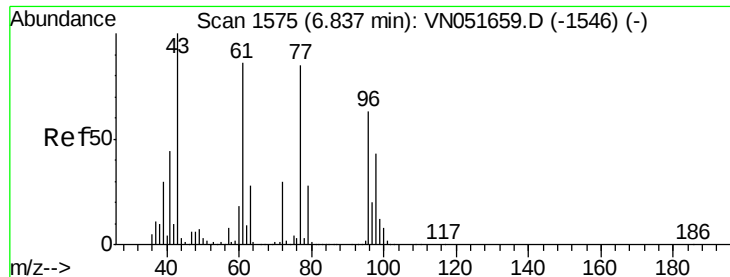


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





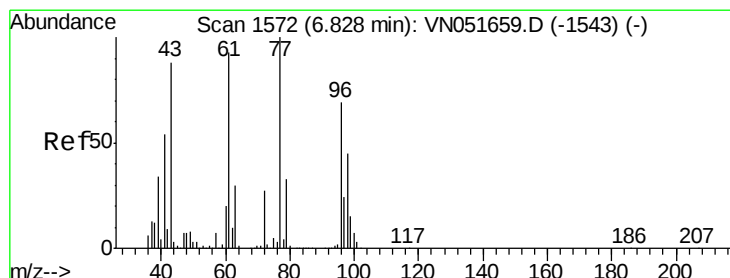
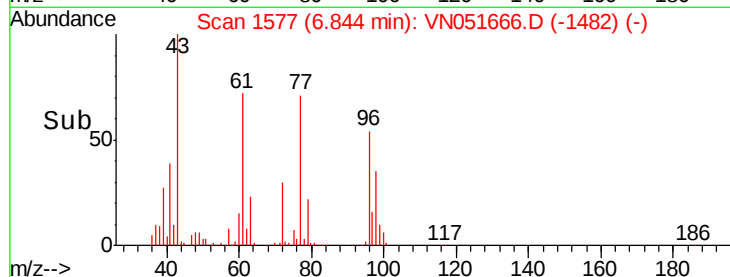
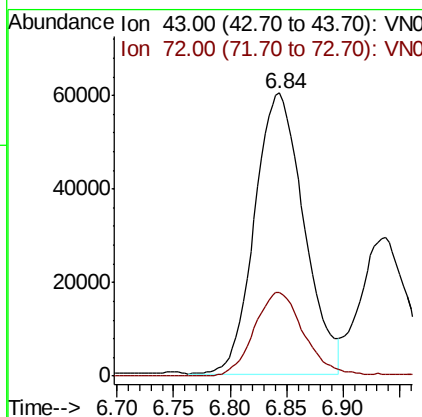
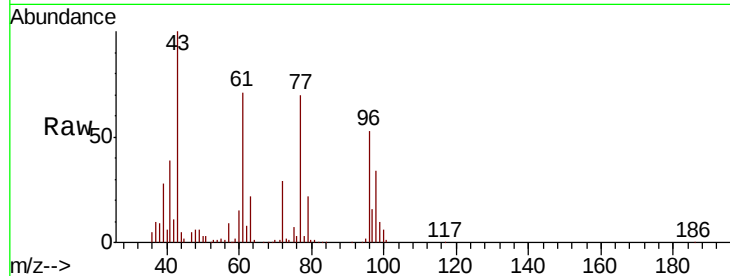
#25
2-Butanone
Concen: 100.916 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion: 43 Resp: 181528
Ion Ratio Lower Upper
43 100
72 29.6 24.2 36.2

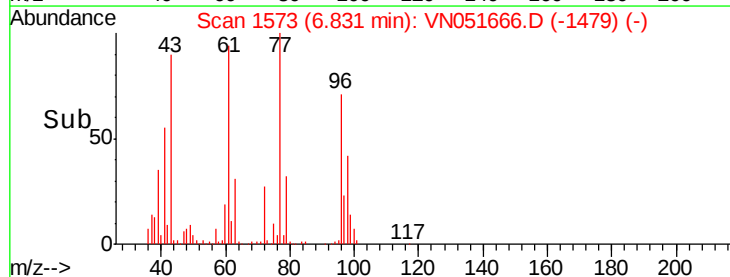
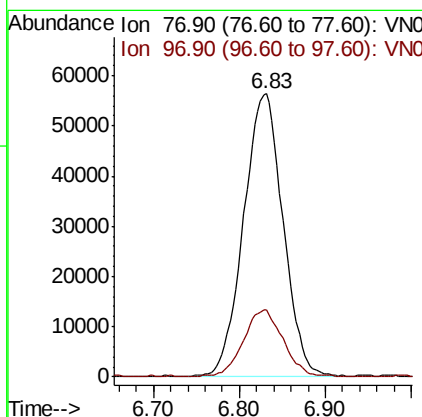
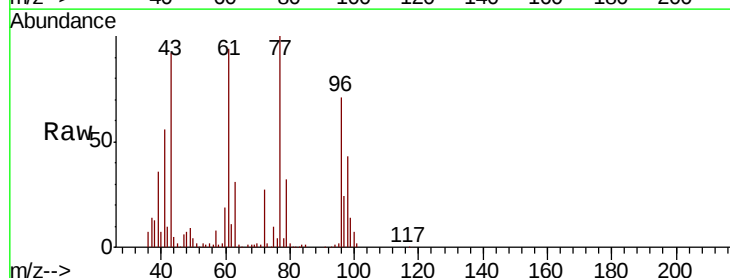
Manual Integrations
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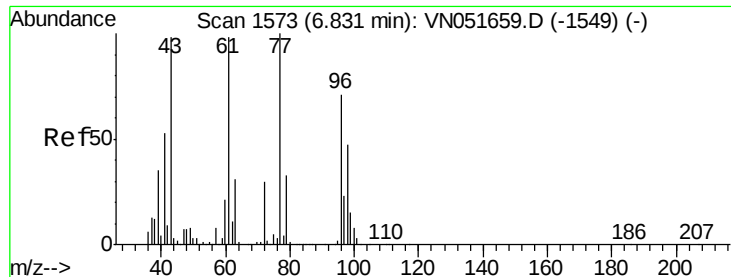
MMDadoda
10/8/2018 1:53:13 PM



#26
2,2-Dichloropropane
Concen: 19.502 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 77 Resp: 180460
Ion Ratio Lower Upper
77 100
97 23.8 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 18.823 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

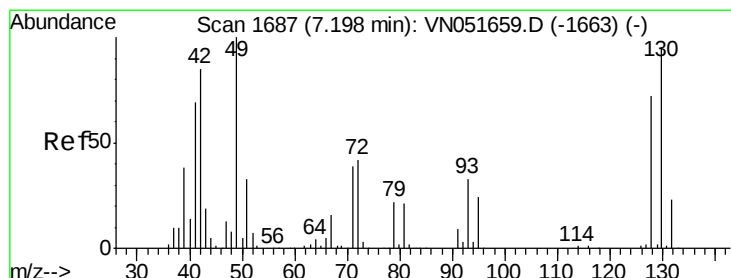
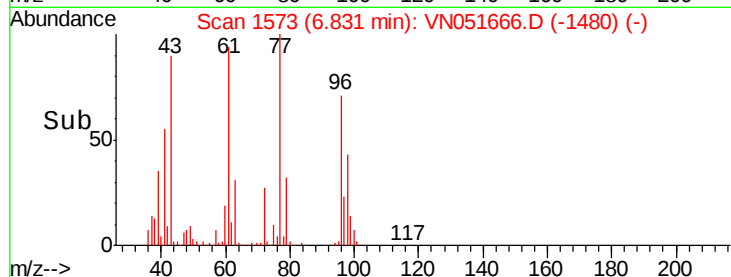
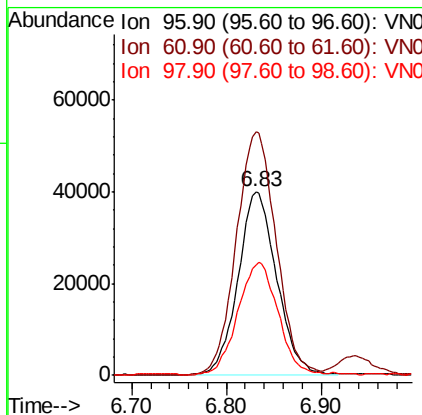
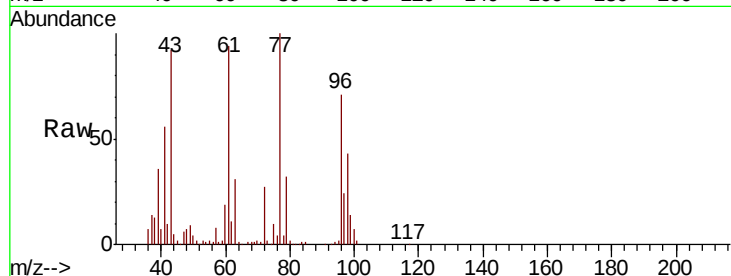
ClientSampleId :

VN1004WBS01

Tot Ion:	96	Resp:	113710
Ion Ratio	Lower	Upper	
96	100		
61	137.4	0.0	275.4
98	64.2	0.0	129.6

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10/8/2018 1:53:13 PM



#28

Bromochloromethane

Concen: 17.912 ug/l

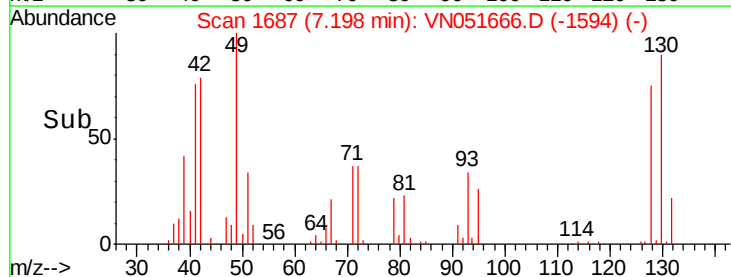
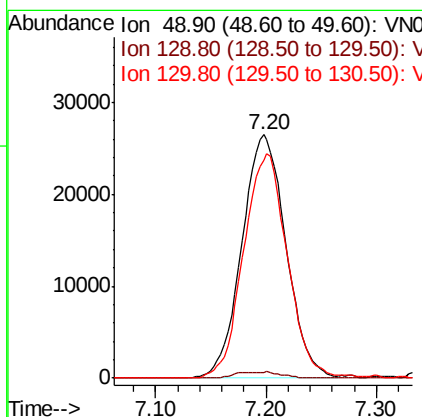
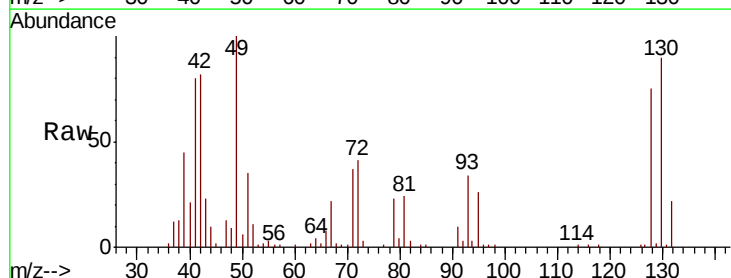
RT: 7.20 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Tgt Ion:	49	Resp:	73222
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	4.8
130	91.8	75.7	113.5





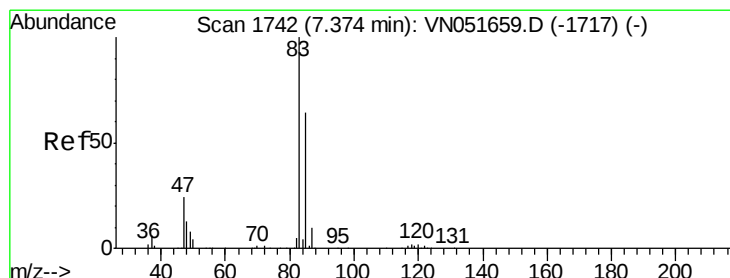
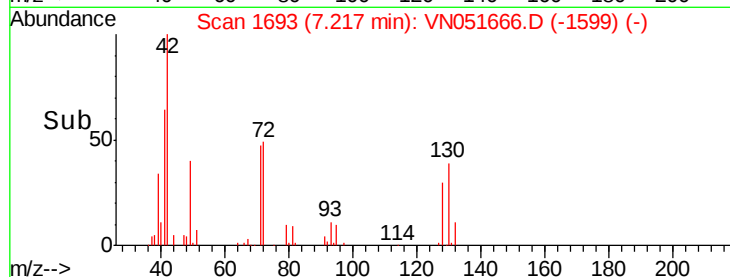
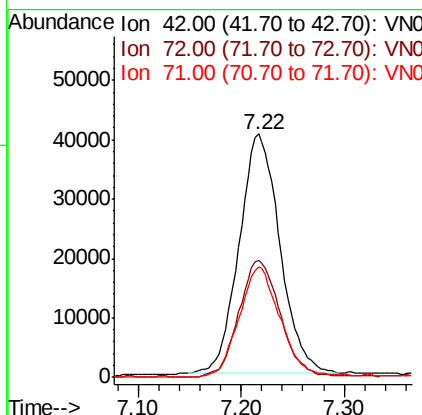
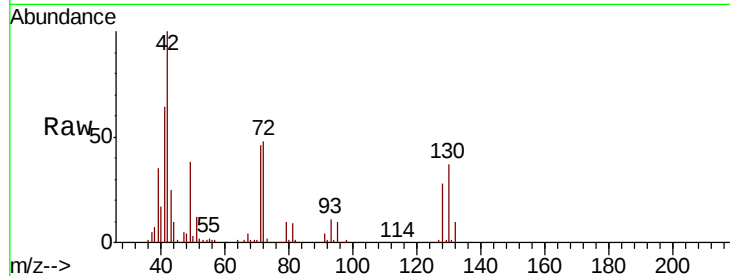
#29
Tetrahydrofuran
Concen: 100.815 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampled :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.5	40.1	60.1
71	47.0	38.0	57.0

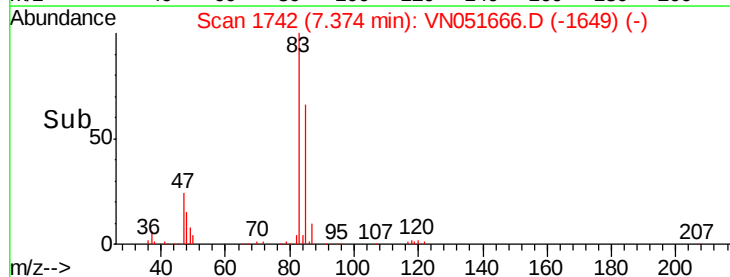
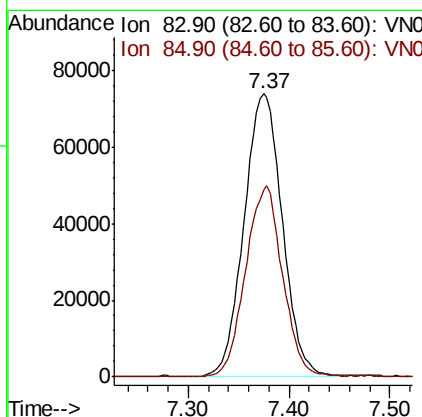
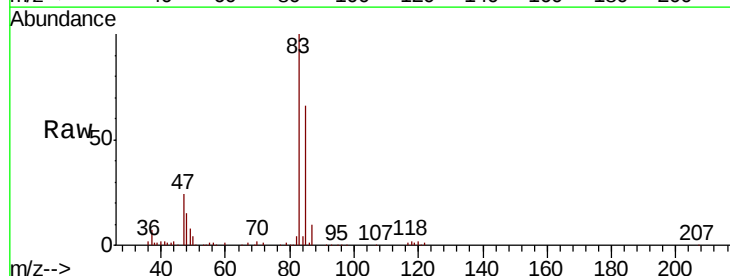
Manual Integrations
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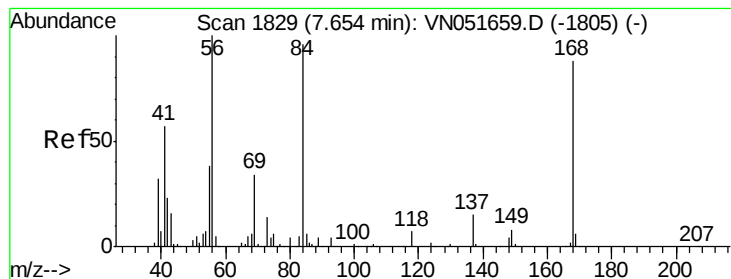
MMDadoda
10/8/2018 1:53:13 PM



#30
Chloroform
Concen: 18.759 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.3	51.6	77.4





#31

Cyclohexane

Concen: 19.428 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 56 Resp: 164286

Ion Ratio Lower Upper

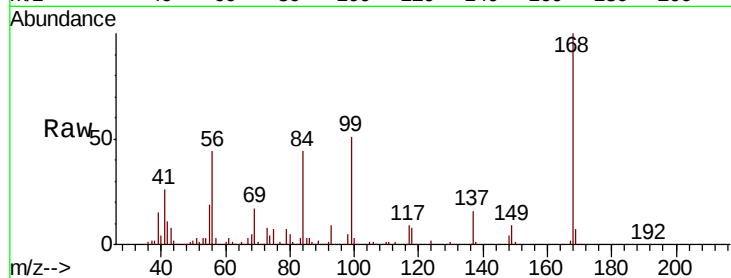
56 100

69 38.2 27.5 41.3

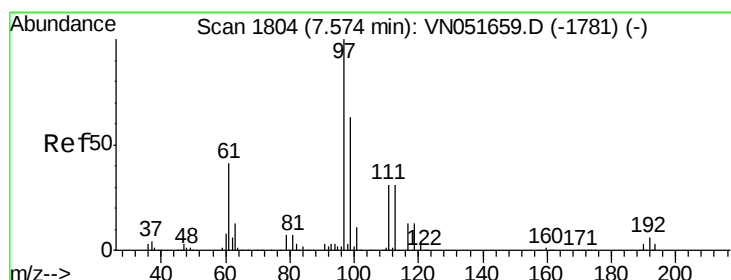
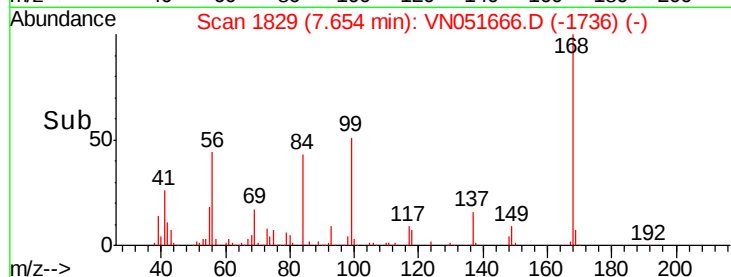
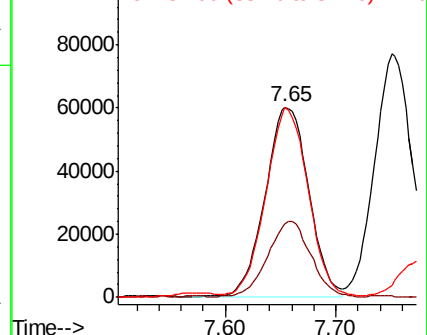
84 98.1 76.7 115.1

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



#32

1,1,1-Trichloroethane

Concen: 18.331 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

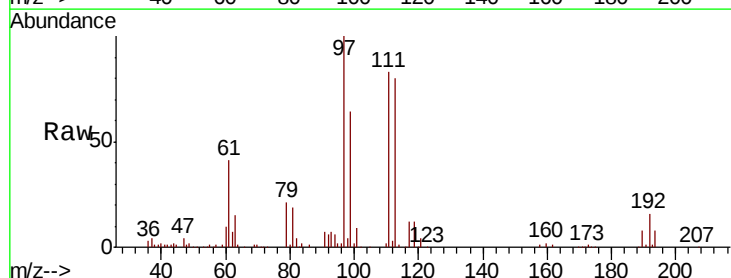
Tgt Ion: 97 Resp: 184331

Ion Ratio Lower Upper

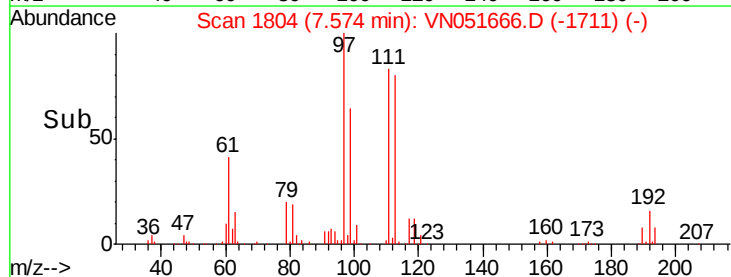
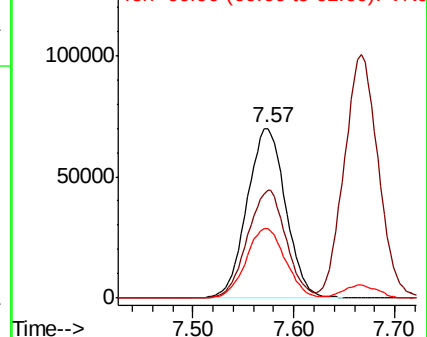
97 100

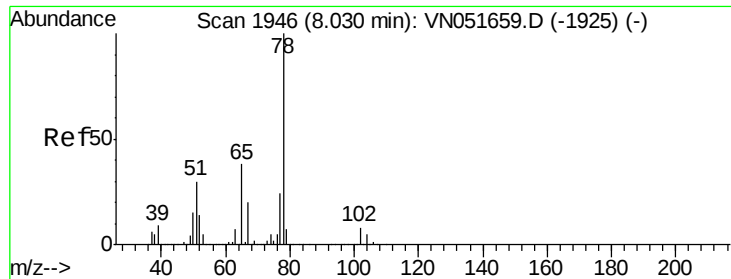
99 63.9 51.9 77.9

61 42.3 33.4 50.0



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





#33

1,2-Dichloroethane-d4

Concen: 18.331 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 65 Resp: 313543

Ion Ratio Lower Upper

65 100

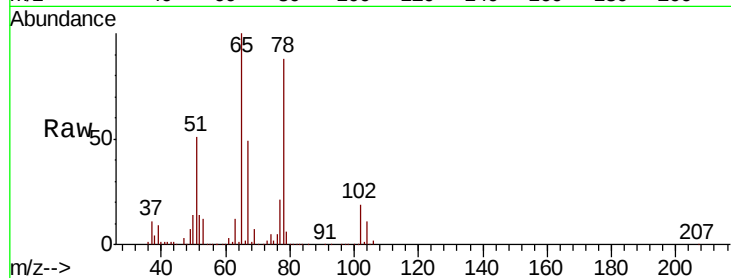
67 51.4 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VN051659.D (-1925) (-)

Ion 66.90 (66.60 to 67.60): VN051659.D (-1925) (-)

8.03

150000

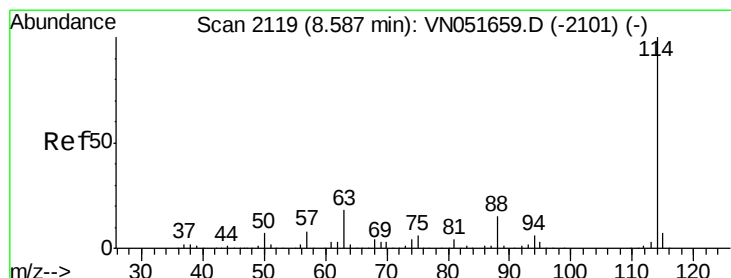
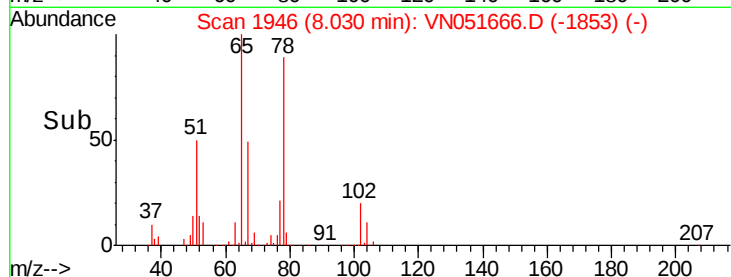
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

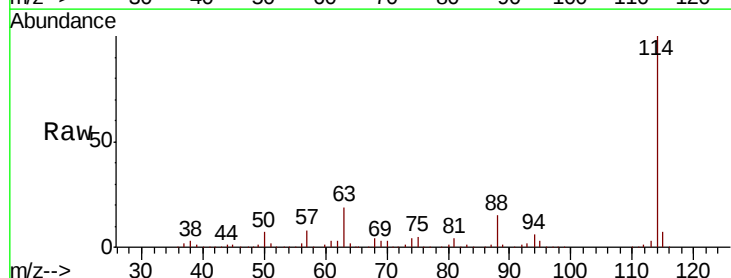
Tgt Ion: 114 Resp: 714533

Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.2

88 14.8 0.0 30.2



Abundance Ion 113.90 (113.60 to 114.60): VN051659.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN051659.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN051659.D (-2101) (-)

8.59

400000

300000

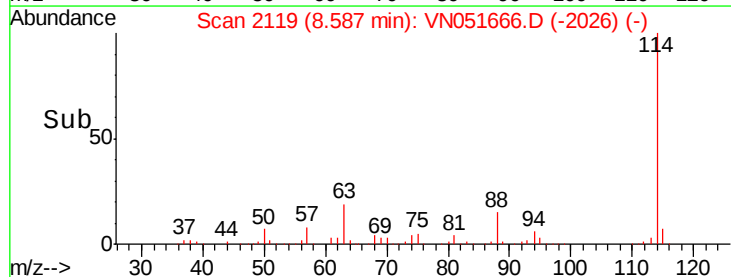
200000

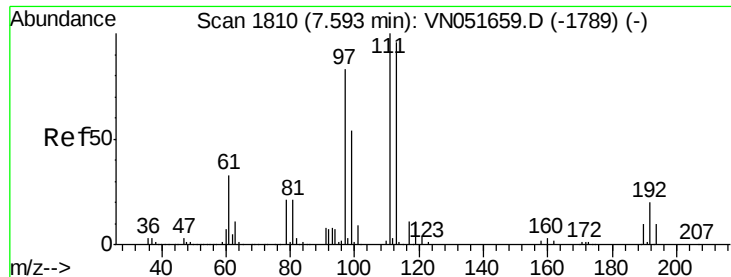
100000

0

8.50 8.60 8.70

Time-->





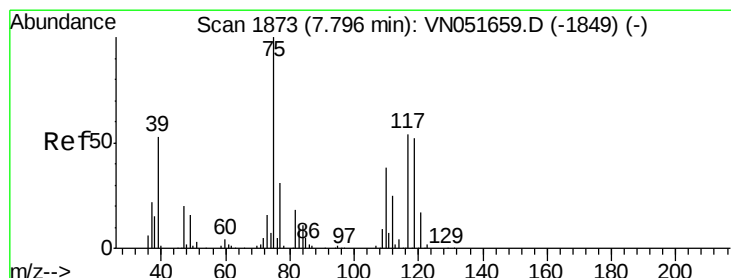
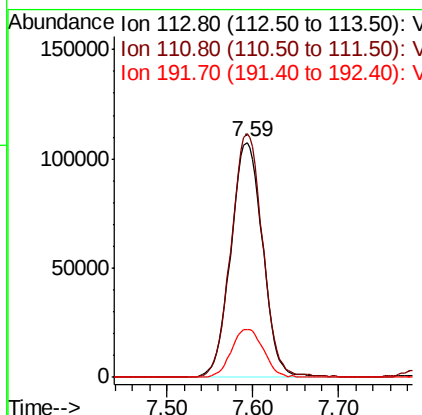
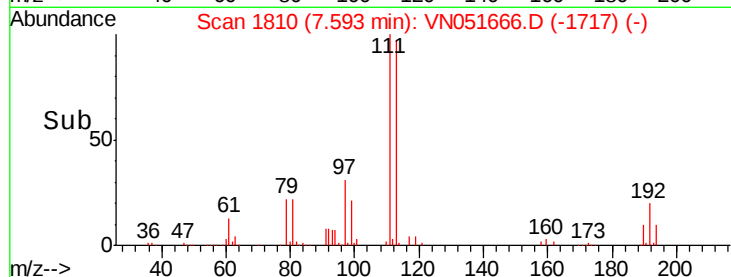
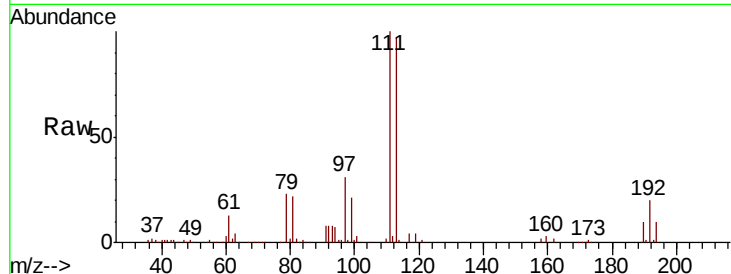
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	276348		
111	103.1	81.8	122.8	
192	20.6	16.5	24.7	

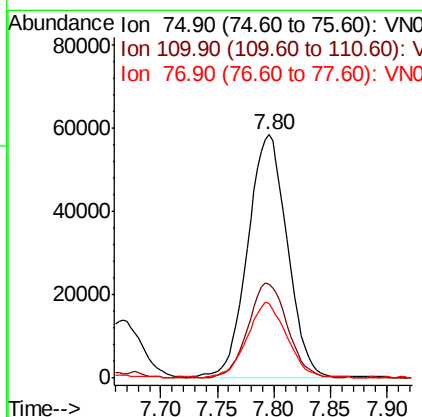
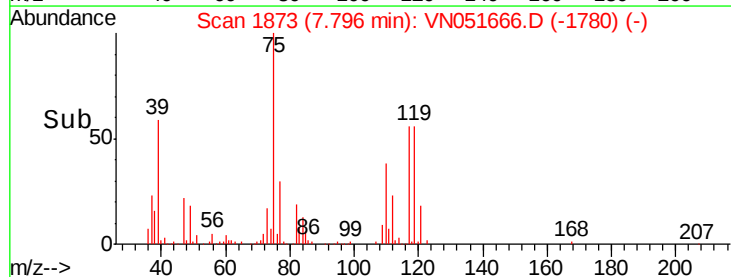
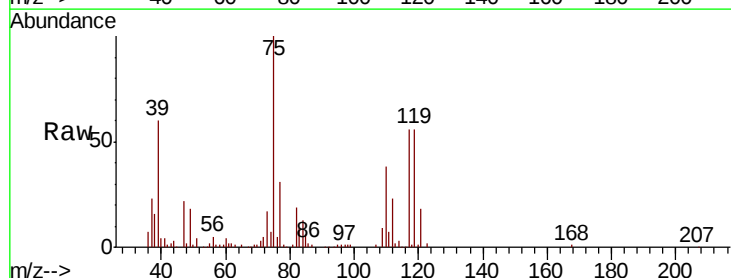
Manual Integrations
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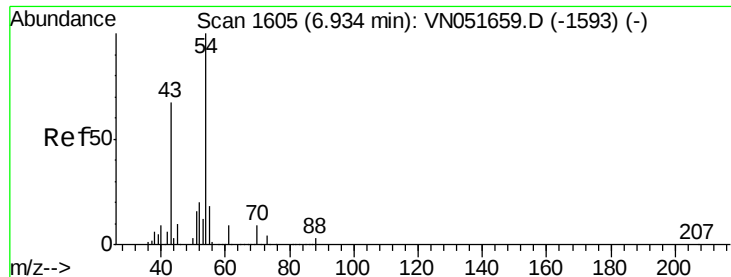
MMDadoda
 10/8/2018 1:53:13 PM



#36
 1,1-Dichloropropene
 Concen: 18.802 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	140423		
110	39.4	19.3	57.8	
77	30.5	24.7	37.1	





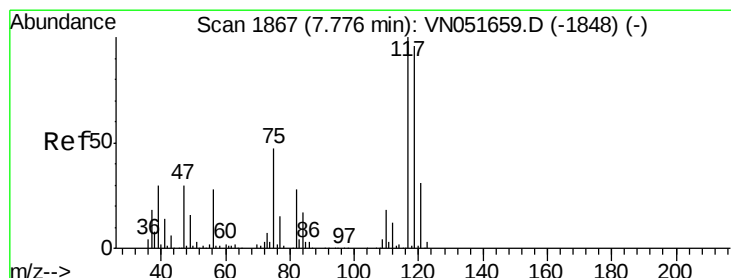
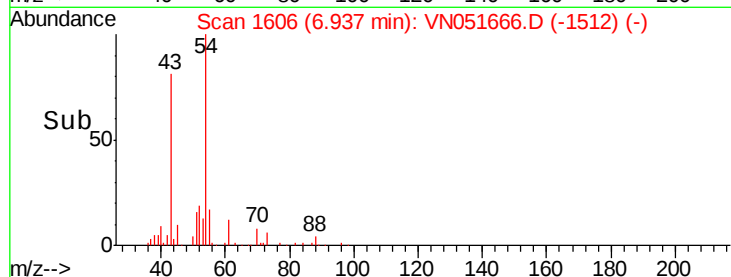
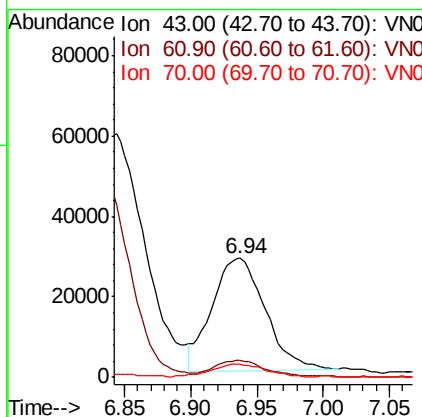
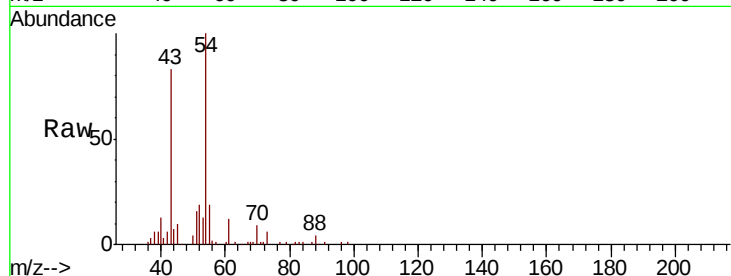
#37
Ethyl Acetate
Concen: 20.024 ug/l
RT: 6.94 min Scan# 1606
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.8	17.6
70	10.9	8.7	13.1

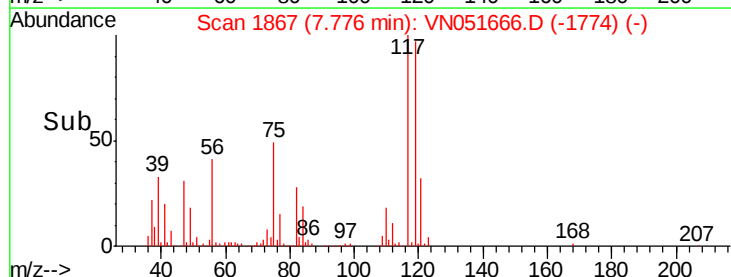
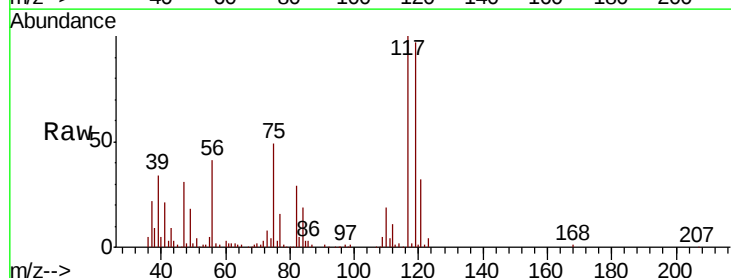
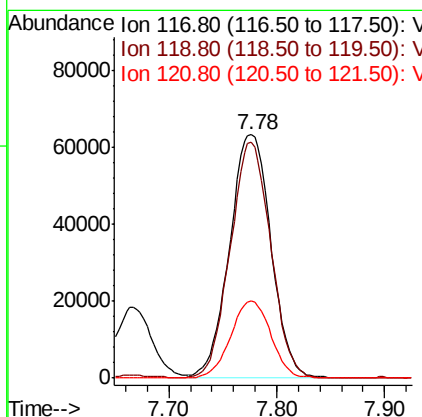
Manual Integrations
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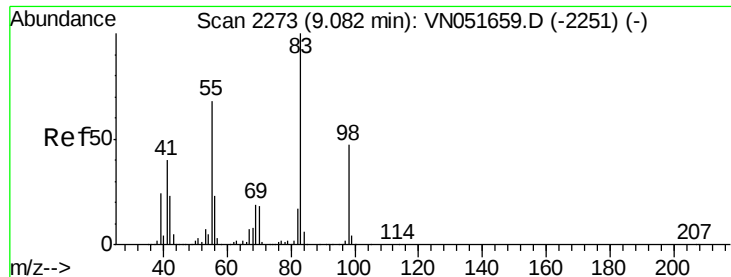
MMDadoda
10/8/2018 1:53:13 PM



#38
Carbon Tetrachloride
Concen: 18.776 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.0	115.6
121	31.6	25.0	37.6





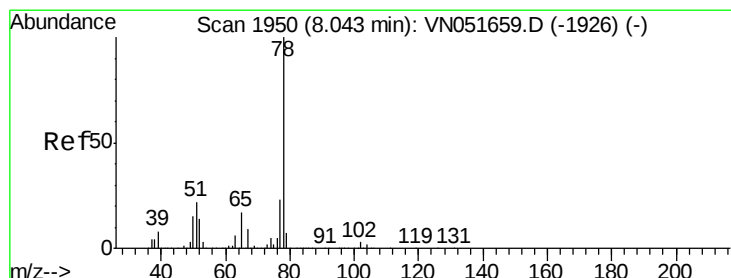
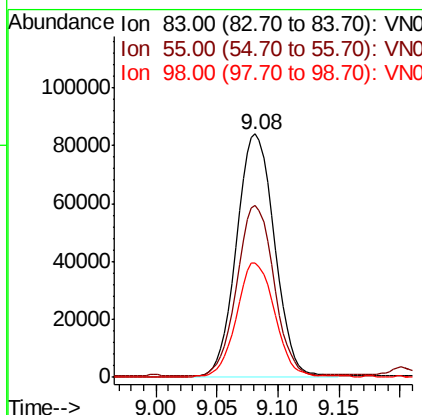
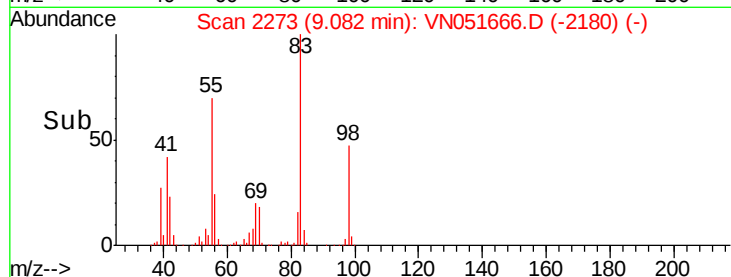
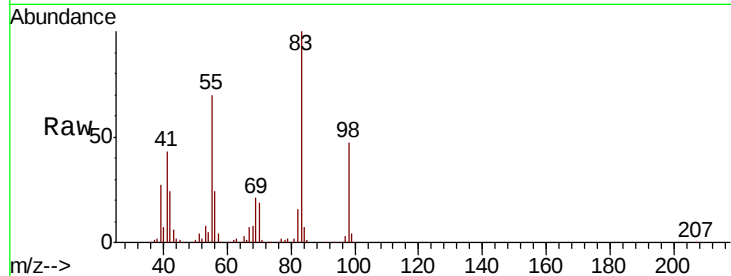
#39
Methvlcvclohexane
Concen: 19.405 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.5	54.3	81.5
98	46.8	37.4	56.2

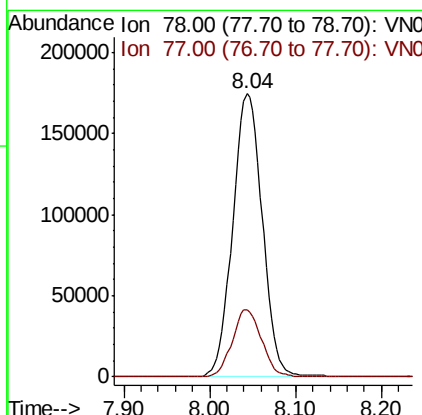
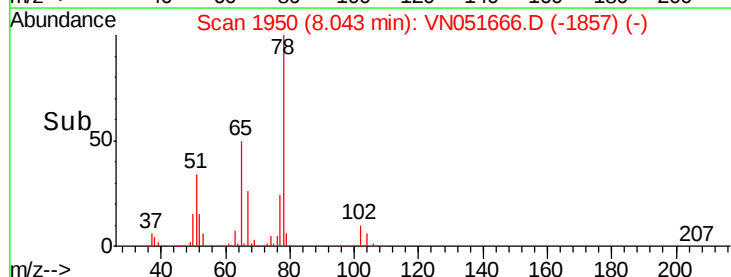
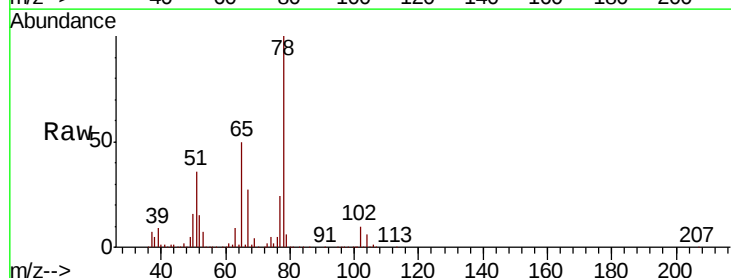
Manual Integrations
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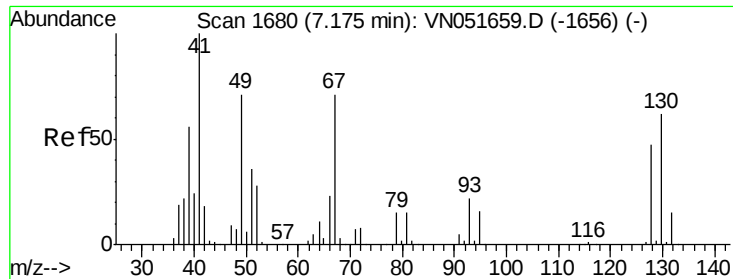
MMDadoda
10/8/2018 1:53:13 PM



#40
Benzene
Concen: 18.877 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.5	27.7





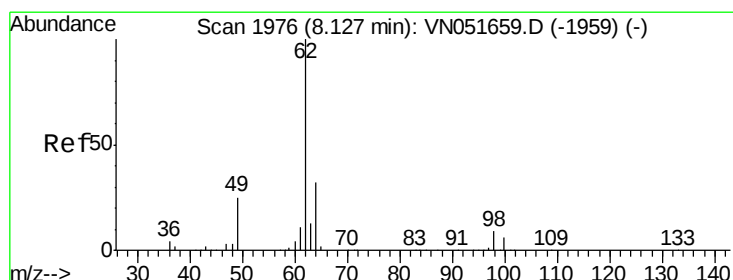
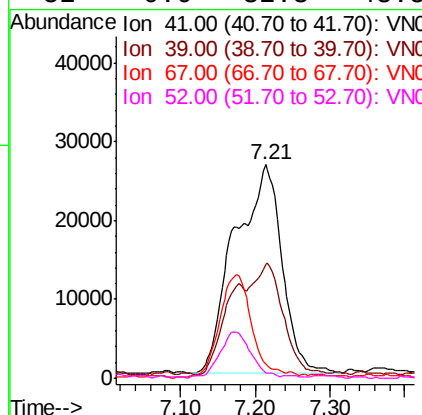
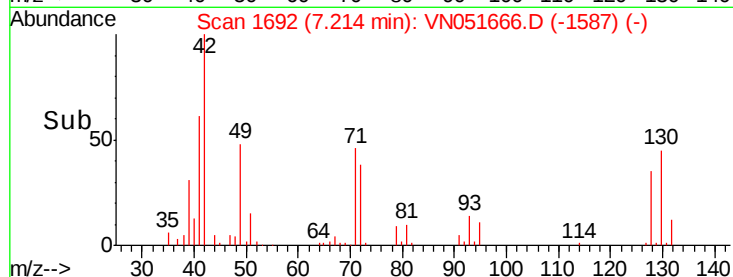
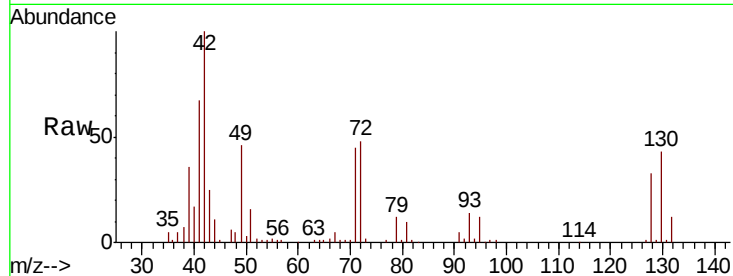
#41
Methacrylonitrile
Concen: 58.142 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.04 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampled :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	53.9	80.9#
67	0.0	78.1	117.1#
52	0.0	32.3	48.5#

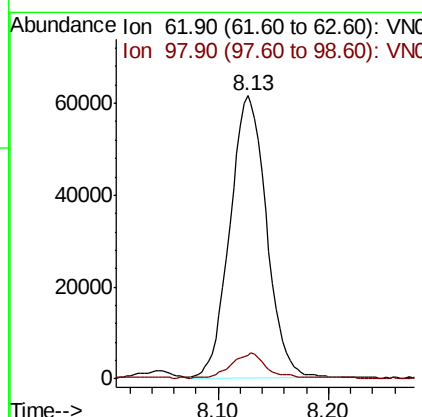
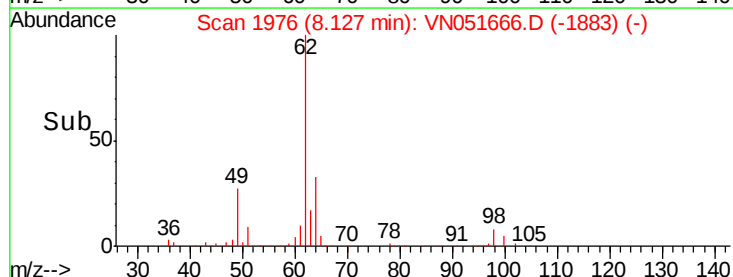
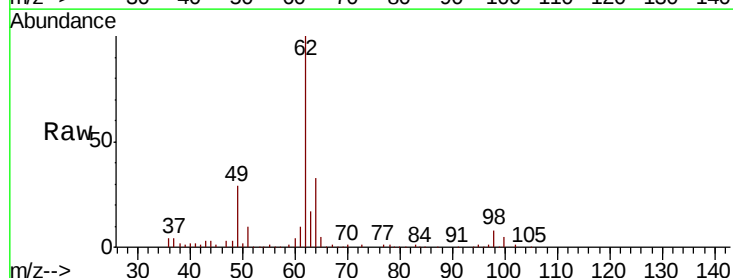
Manual Integrations
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10/8/2018 1:53:13 PM



#42
1,2-Dichloroethane
Concen: 18.915 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	18.4





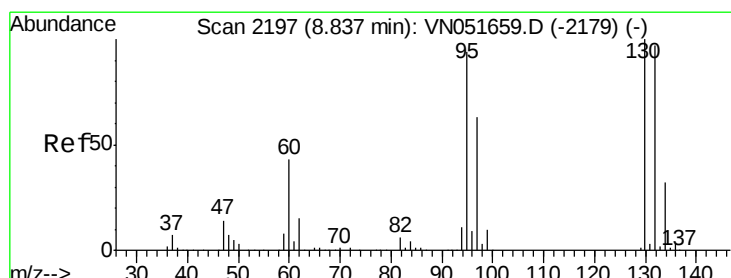
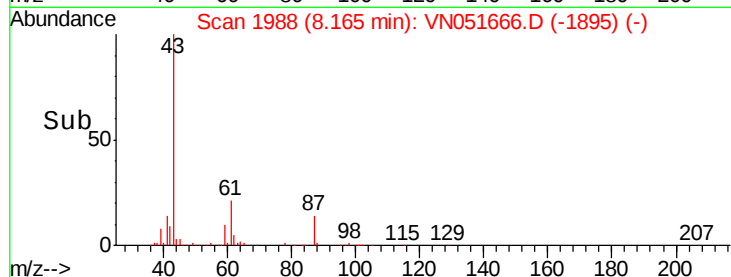
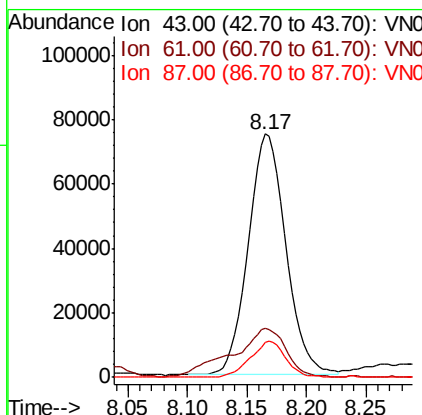
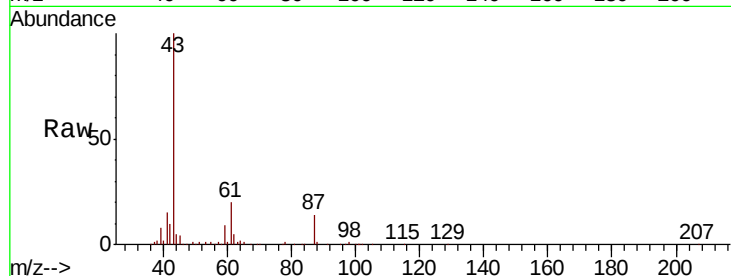
#43
Isopropyl Acetate
Concen: 20.222 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	28.2	15.8	23.6#
87	14.1	12.6	19.0

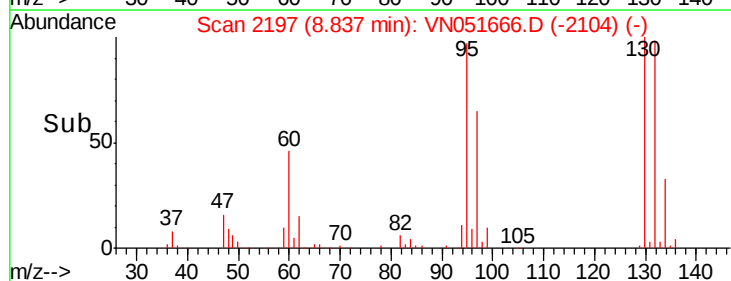
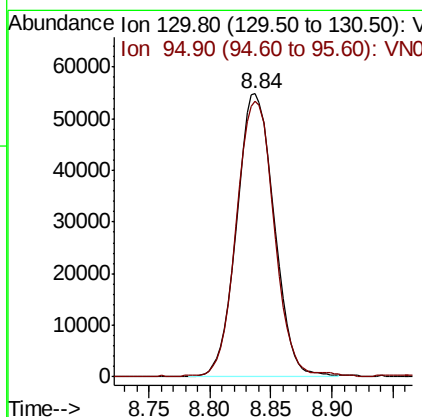
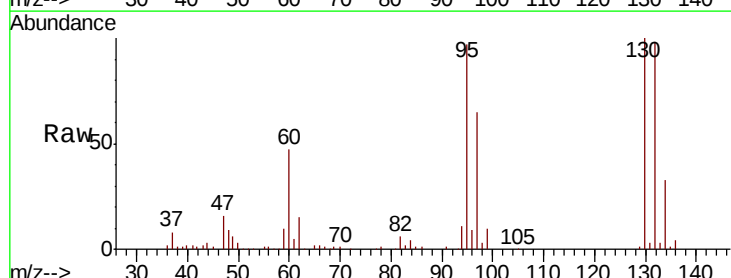
Manual Integrations
APPROVED

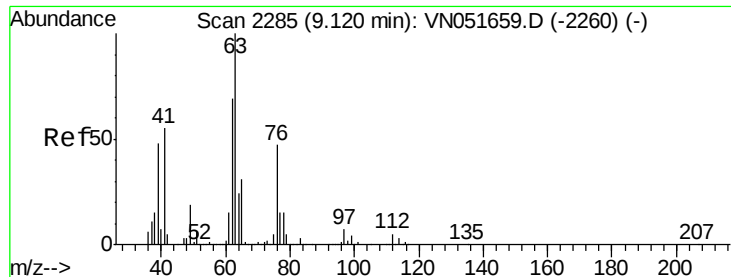
MMDadoda
10/8/2018 1:53:13 PM



#44
Trichloroethene
Concen: 18.551 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	188.0





#45

1,2-Dichloropropane

Concen: 19.246 ug/l

RT: 9.12 min Scan# 2285

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 63 Resp: 105351

Ion Ratio Lower Upper

63 100

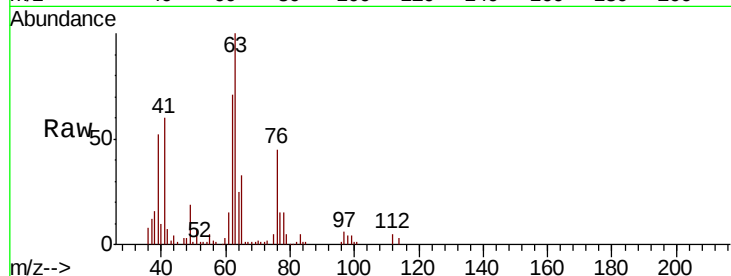
65 32.6 25.0 37.4

Manual Integrations

APPROVED

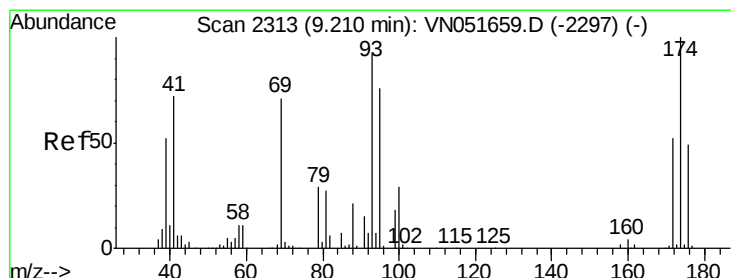
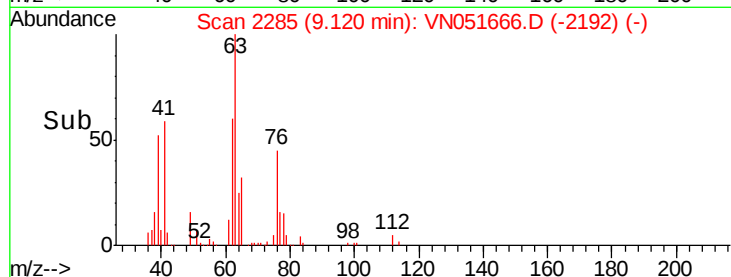
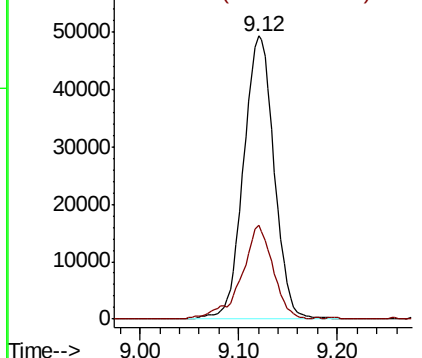
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.666 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

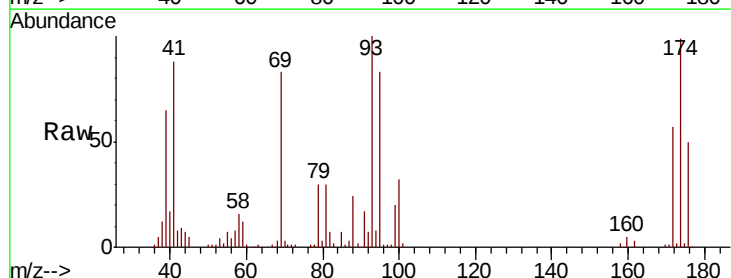
Tgt Ion: 93 Resp: 71022

Ion Ratio Lower Upper

93 100

95 84.3 66.6 100.0

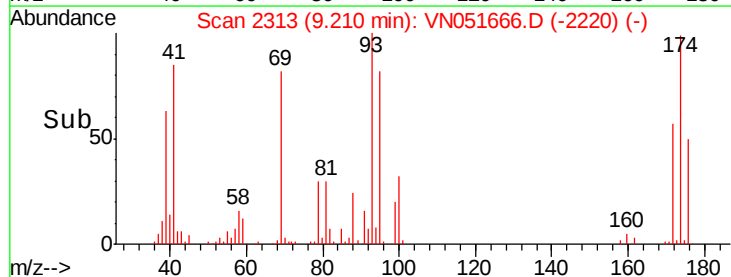
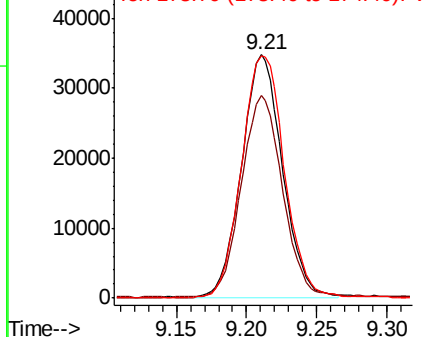
174 104.1 85.9 128.9

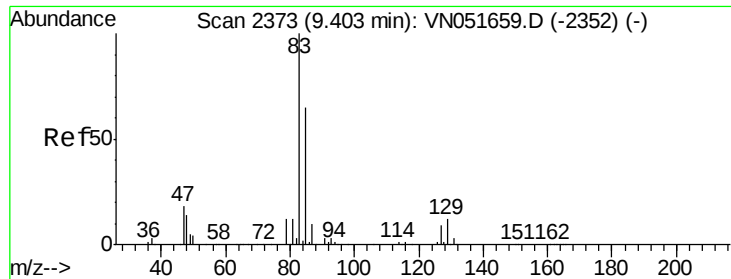


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





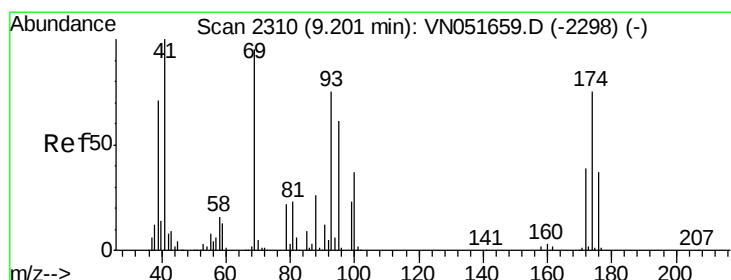
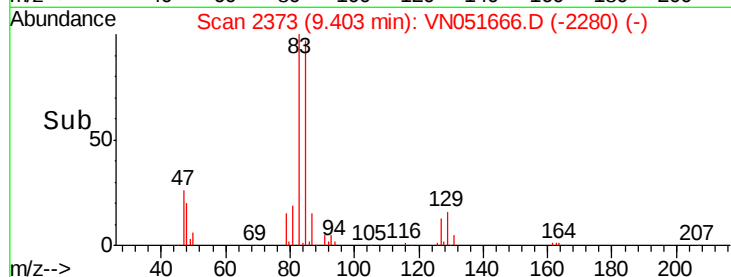
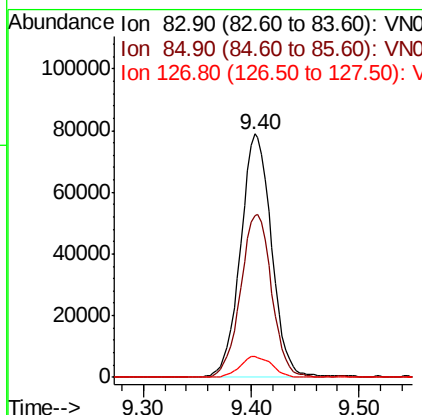
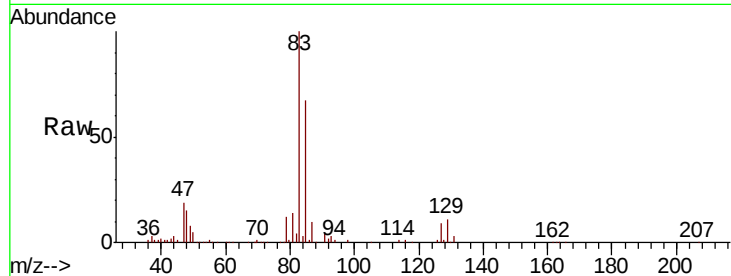
#47
Bromodichloromethane
Concen: 18.891 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	66.5	51.6	77.4
127	8.8	7.3	10.9

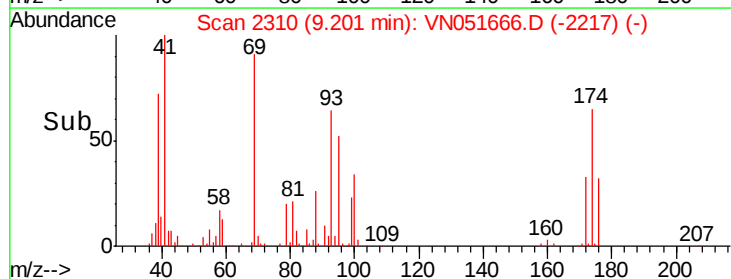
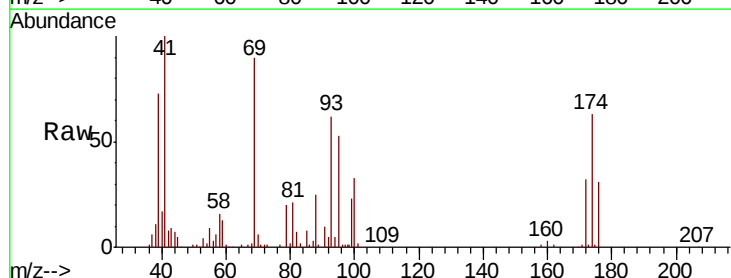
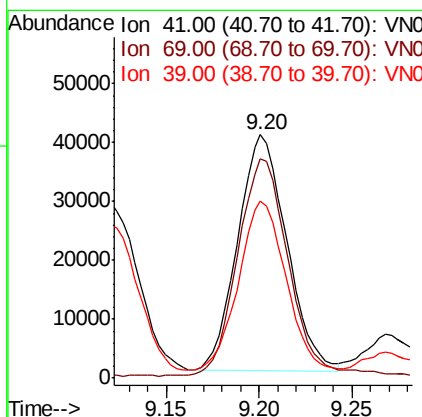
Manual Integrations
APPROVED

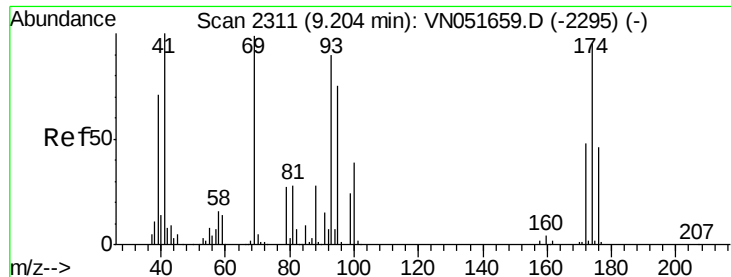
MMDadoda
10/8/2018 1:53:13 PM



#48
Methyl methacrylate
Concen: 19.778 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
41	100		
69	95.8	78.6	118.0
39	73.8	59.2	88.8





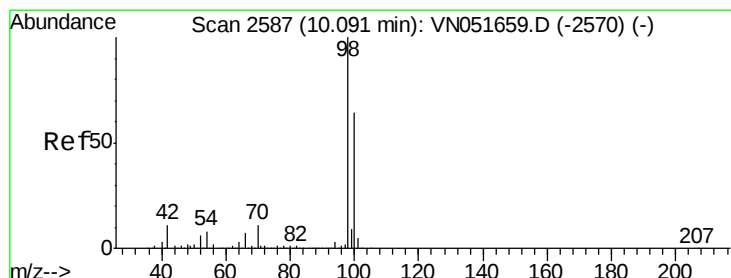
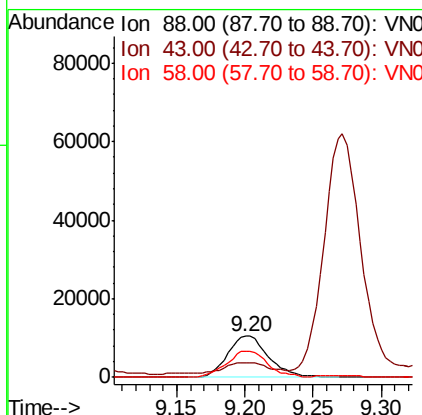
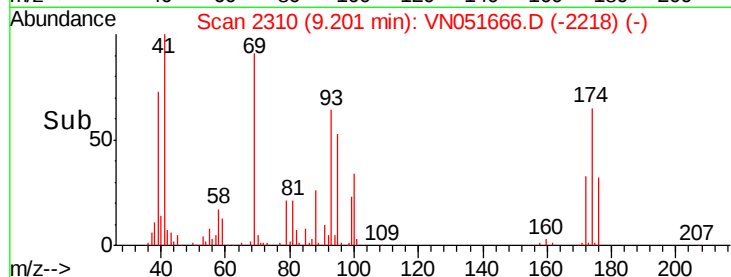
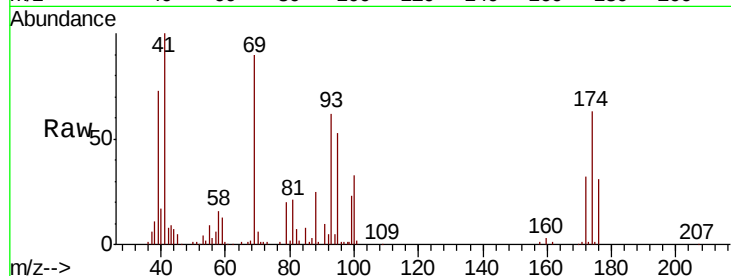
#49
1,4-Dioxane
Concen: 394.230 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.6	24.5	36.7
58	63.4	47.6	71.4

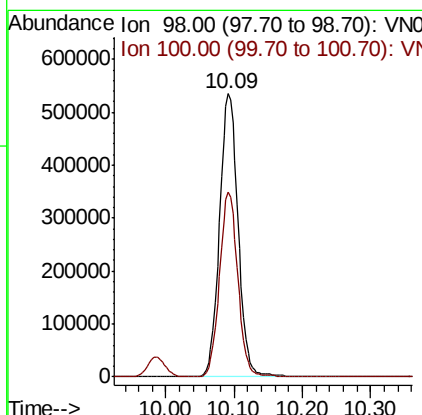
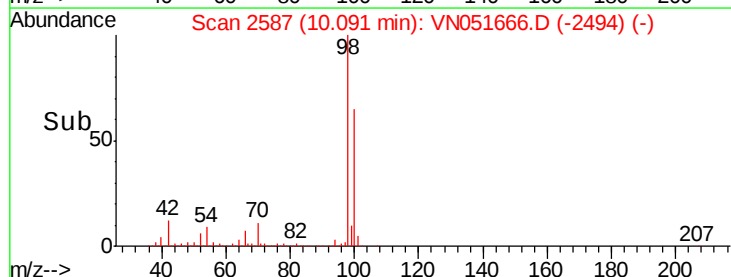
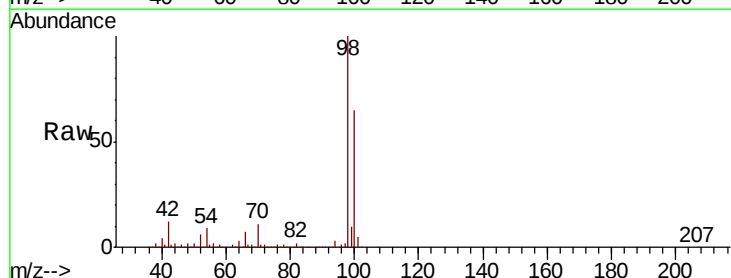
Manual Integrations
APPROVED

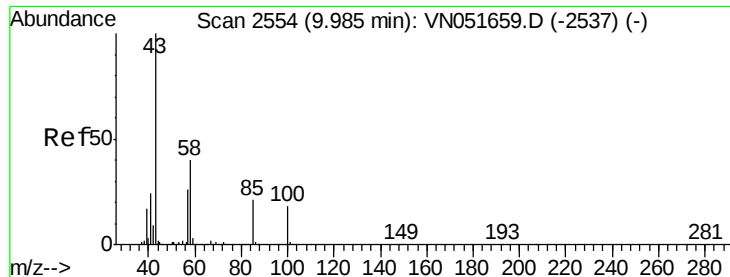
MMDadoda
10/8/2018 1:53:13 PM



#50
Toluene-d8
Concen: 394.230 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	51.5	77.3





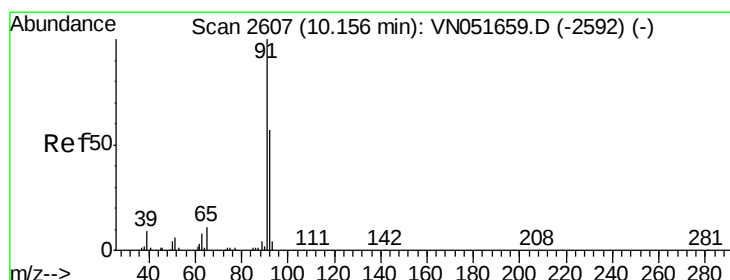
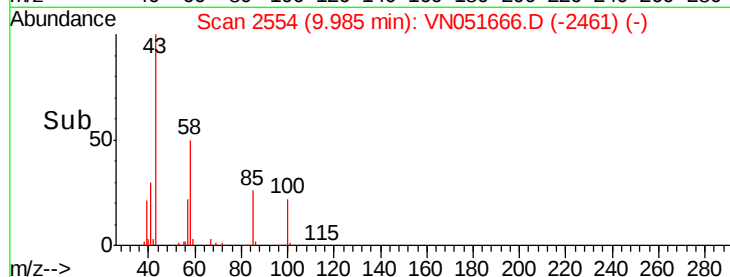
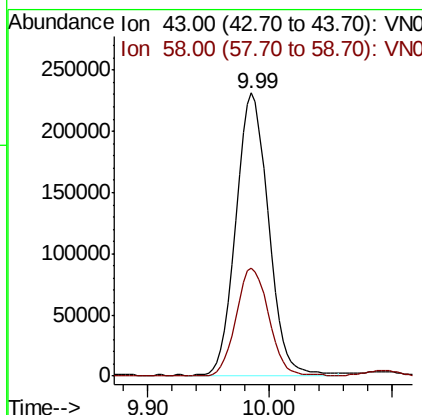
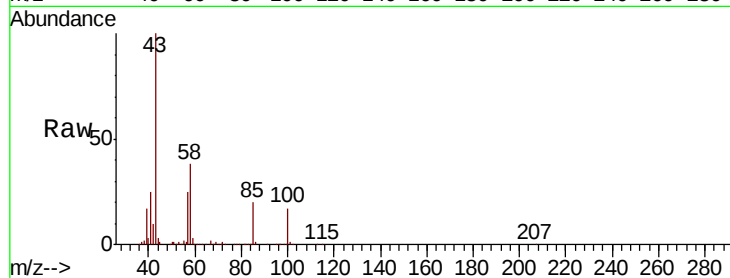
#51
4-Methyl-2-Pentanone
Concen: 103.060 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	32.2	48.2

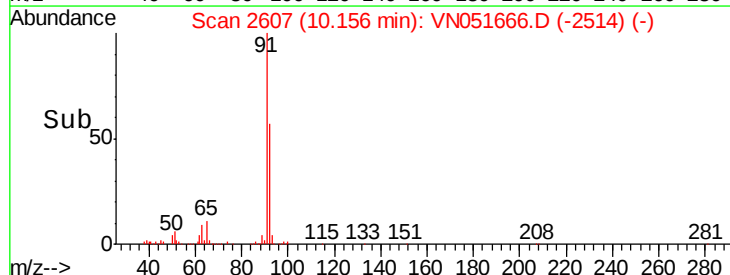
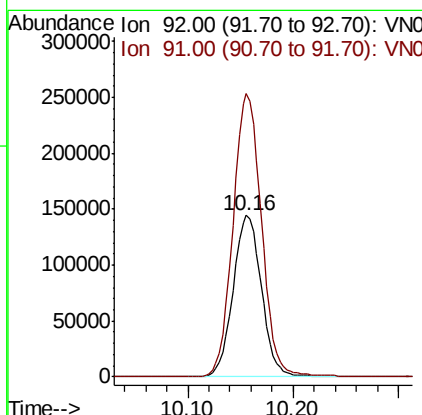
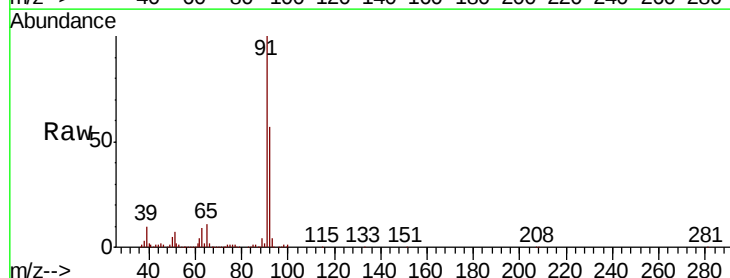
Manual Integrations
APPROVED

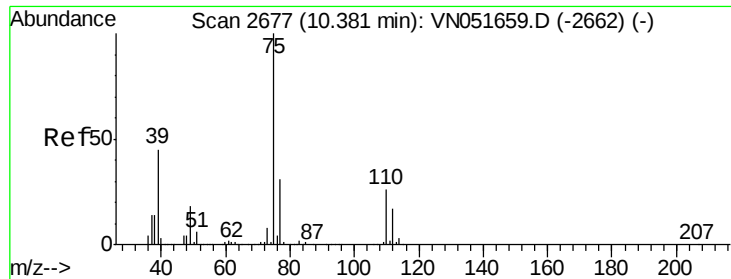
MMDadoda
10/8/2018 1:53:13 PM



#52
Toluene
Concen: 18.282 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.2	140.3	210.5





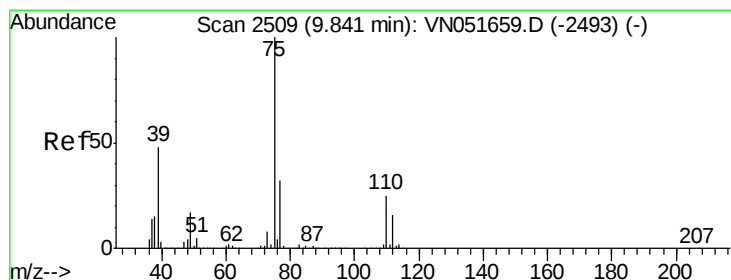
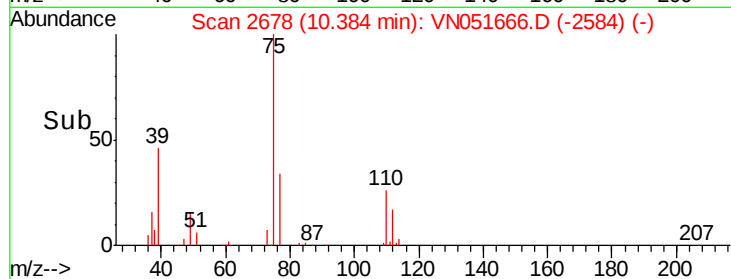
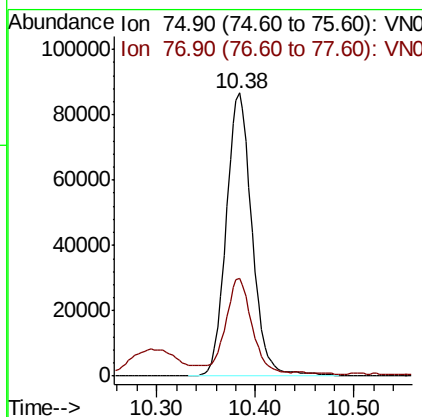
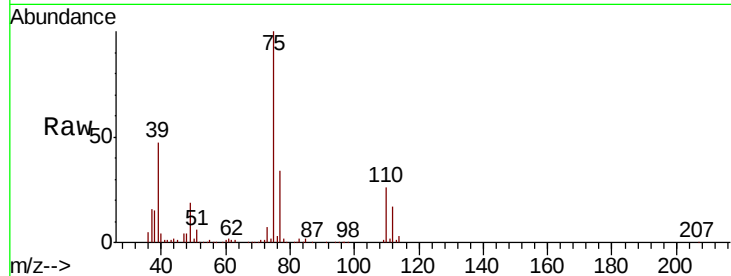
#53
 t-1,3-Dichloropropene
 Concen: 18.414 ug/l
 RT: 10.38 min Scan# 2678
 Delta R.T. 0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN1004WBS01

Tot Ion: 75 Resp: 159146
 Ion Ratio Lower Upper
 75 100
 77 33.9 25.5 38.3

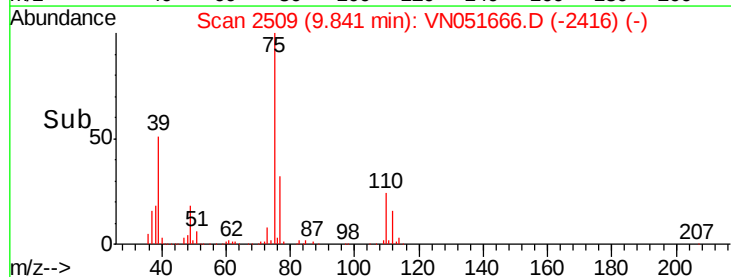
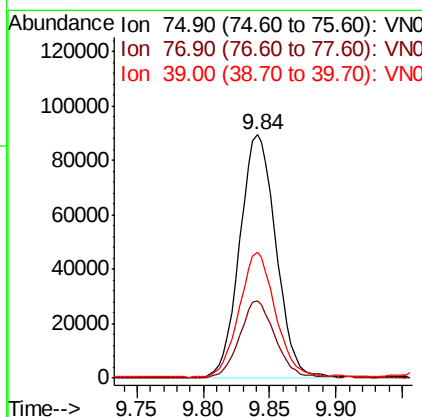
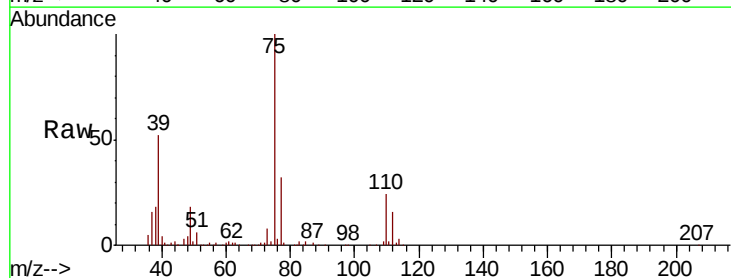
Manual Integrations
 APPROVED

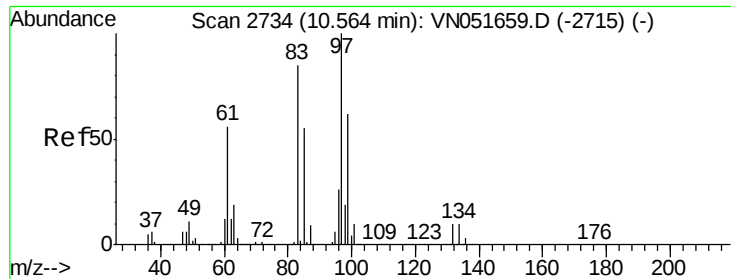
MMDadoda
 10/8/2018 1:53:13 PM



#54
 cis-1,3-Dichloropropene
 Concen: 18.552 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion: 75 Resp: 170270
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.7 38.5
 39 51.4 38.1 57.1





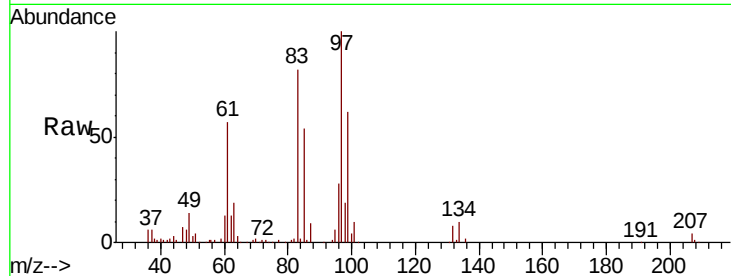
#55
 1,1,2-Trichloroethane
 Concen: 18.649 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.0	68.1	102.1
85	54.0	43.6	65.4
99	61.6	49.4	74.0

Manual Integrations
 APPROVED

MMDadoda
 10/8/2018 1:53:13 PM



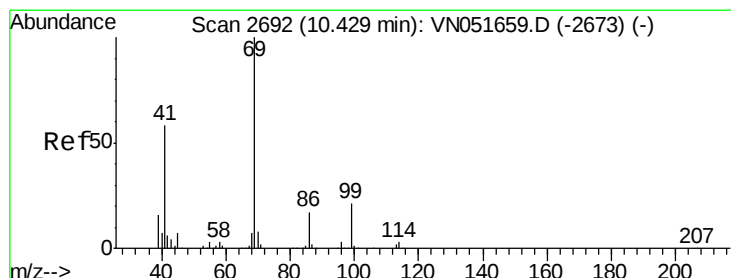
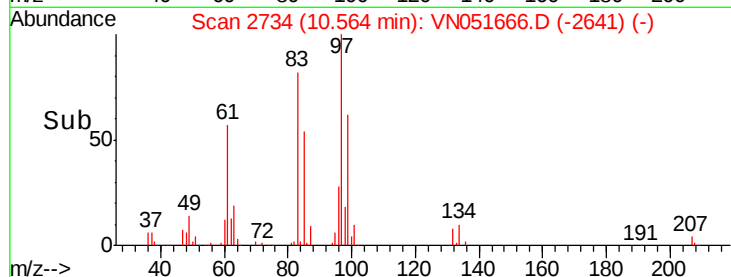
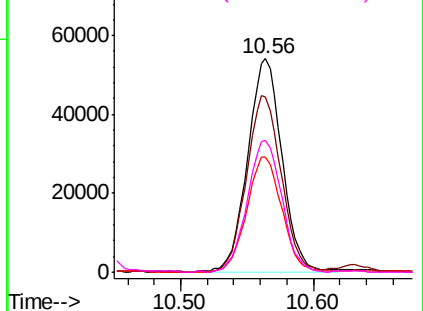
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

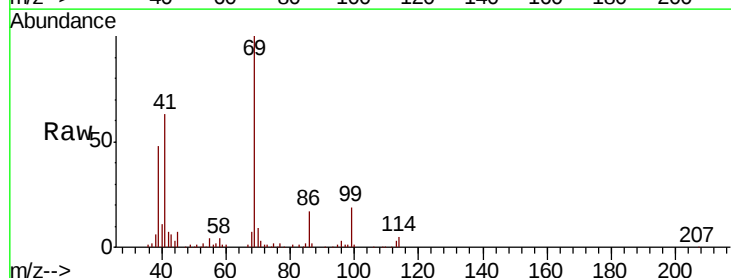
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 18.742 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
69	100		
41	60.6	46.4	69.6
39	43.0	32.4	48.6

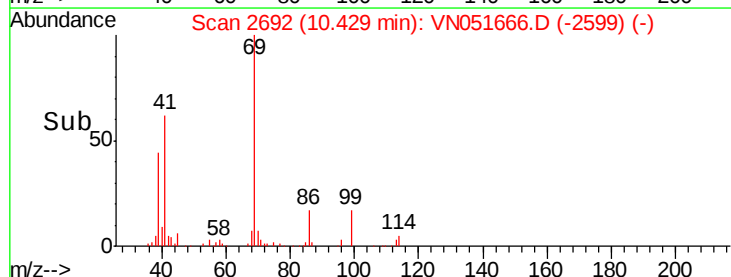
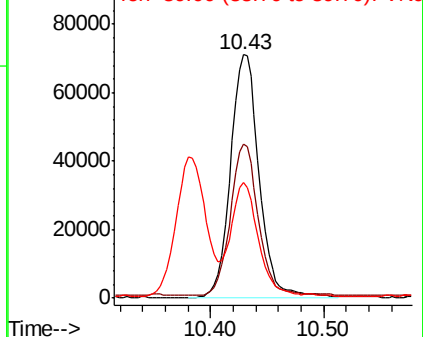


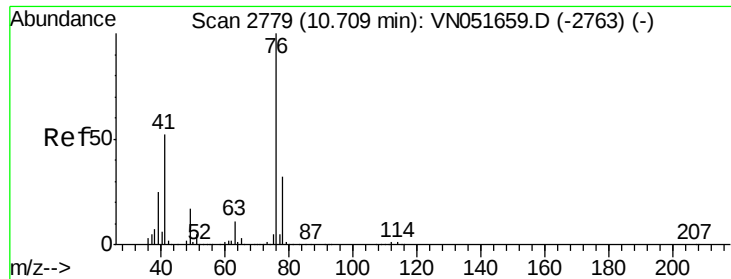
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 18.713 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 76 Resp: 155369

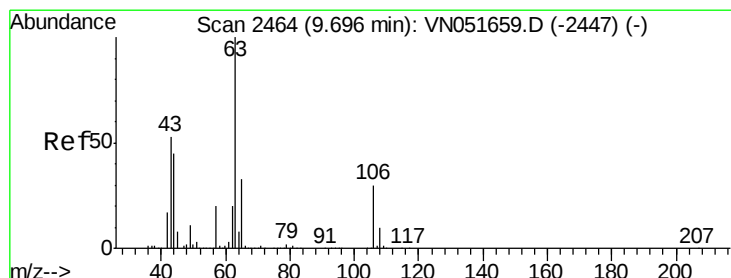
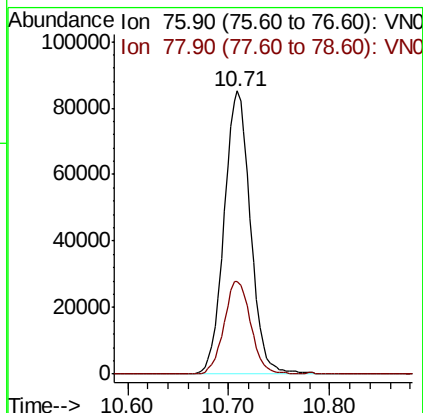
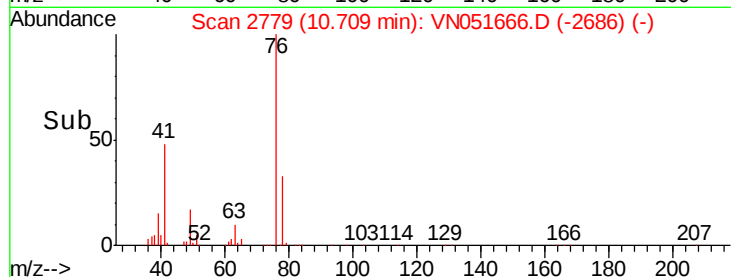
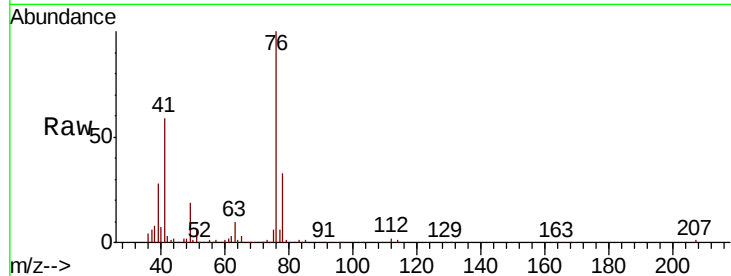
Ion Ratio Lower Upper

76 100

78 33.2 26.0 39.0

Manual Integrations
APPROVED

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10/8/2018 1:53:13 PM



#58

2-Chloroethyl Vinyl ether

Concen: 85.158 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. -0.00 min

Lab File: VN051666.D

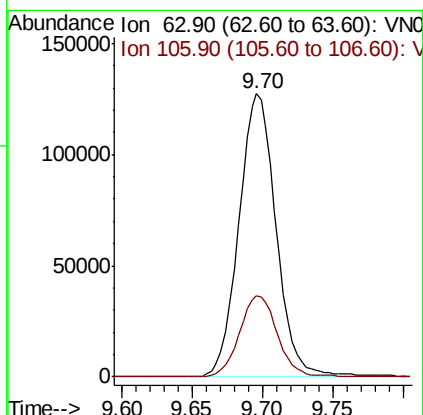
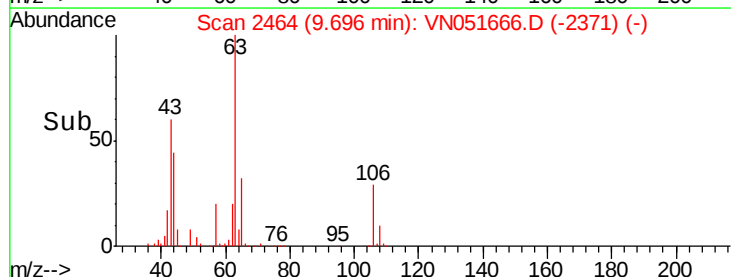
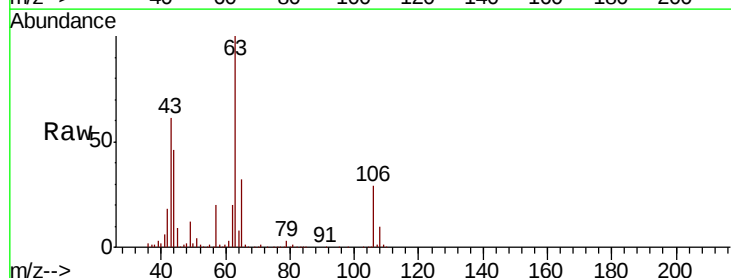
Acq: 4 Oct 2018 14:55

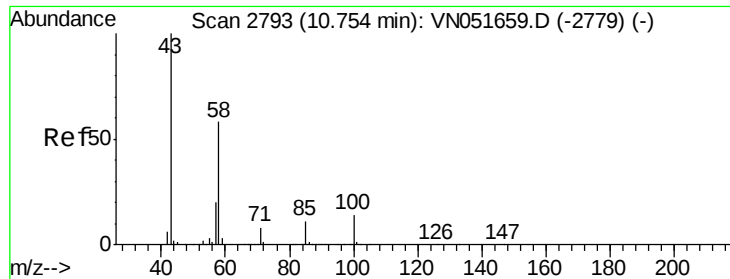
Tgt Ion: 63 Resp: 233805

Ion Ratio Lower Upper

63 100

106 29.4 24.3 36.5





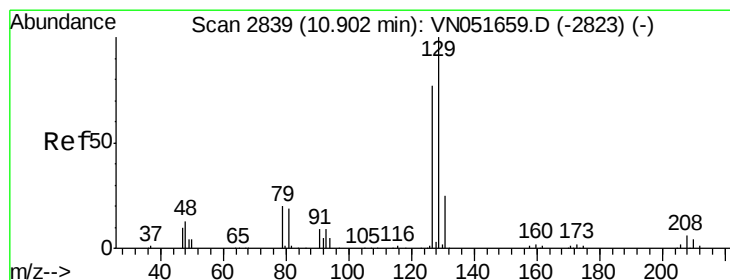
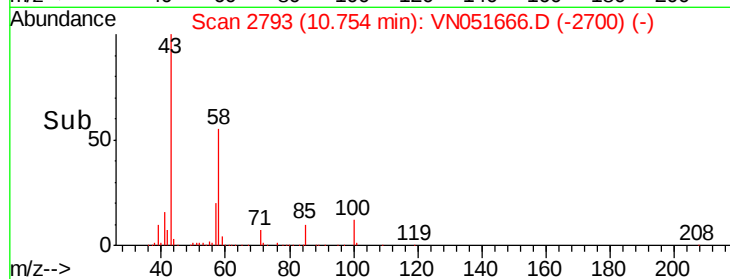
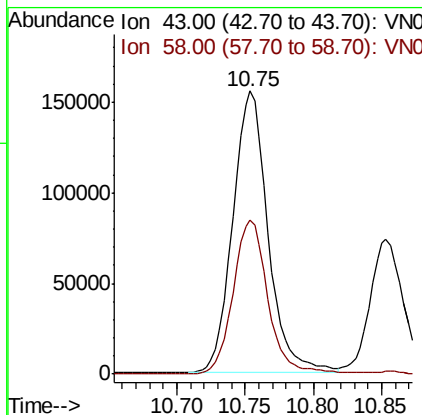
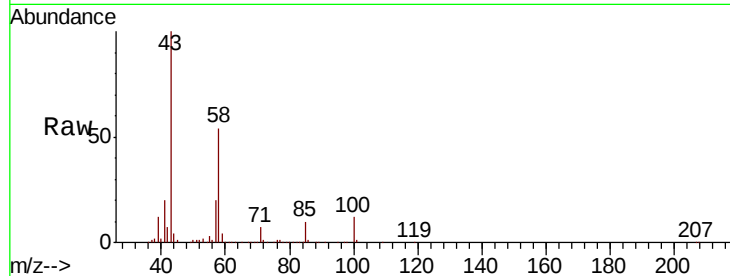
#59
2-Hexanone
Concen: 99.481 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	43	Resp	278033
Ion Ratio	43	100	
Lower	58	54.4	28.8
Upper			86.4

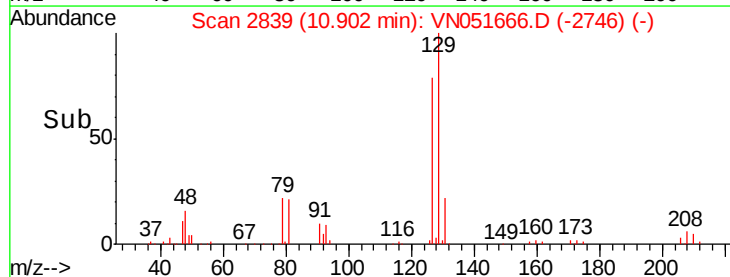
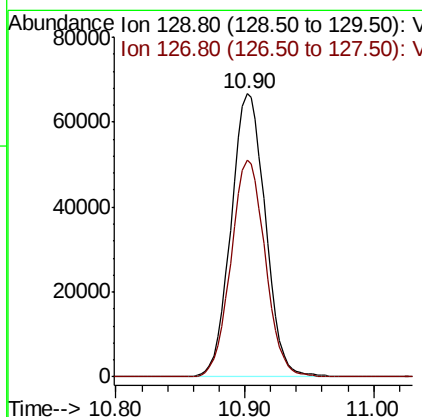
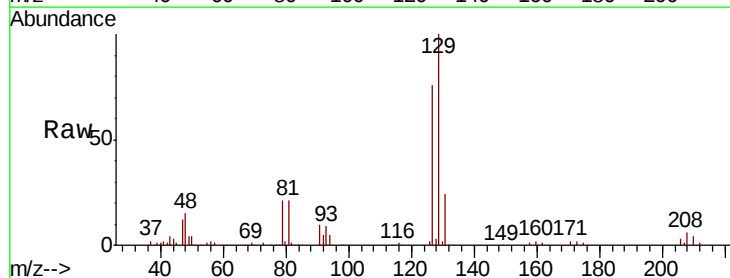
Manual Integrations
APPROVED

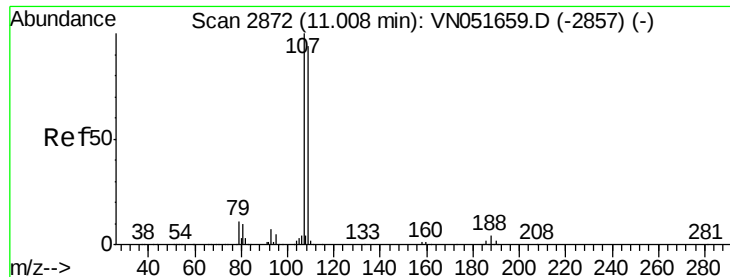
MMDadoda
10/8/2018 1:53:13 PM



#60
Dibromochloromethane
Concen: 17.974 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	129	Resp	123388
Ion Ratio	129	100	
Lower	127	76.4	38.6
Upper			115.7





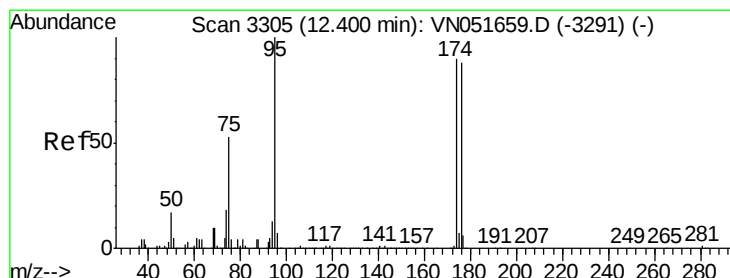
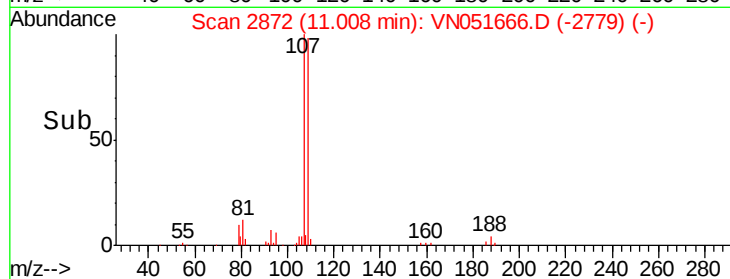
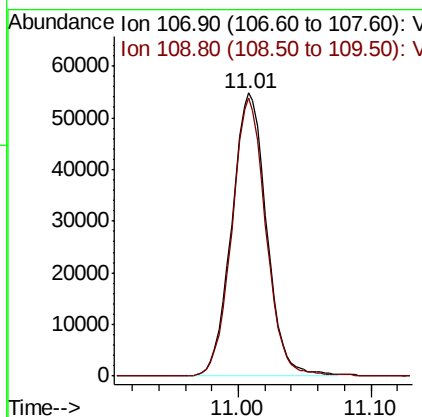
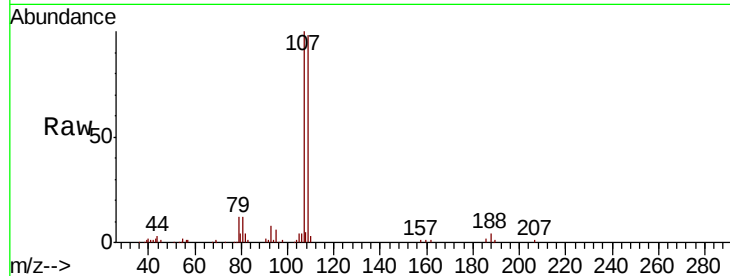
#61
 1,2-Dibromoethane
 Concen: 18.023 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.4	75.4	113.0

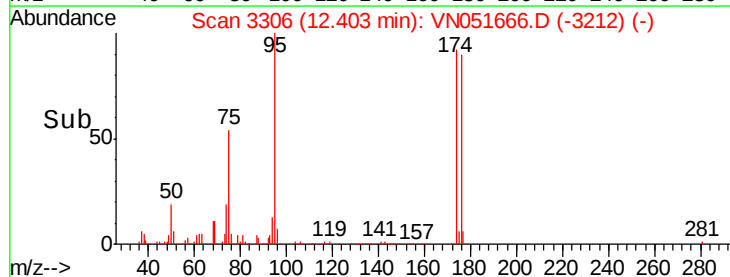
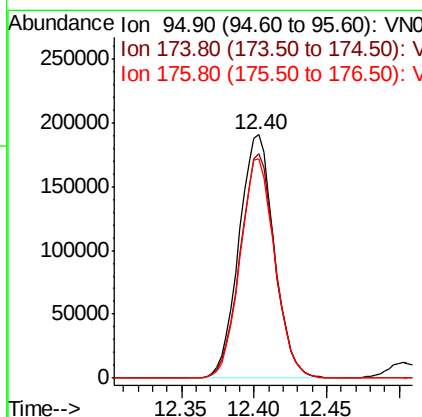
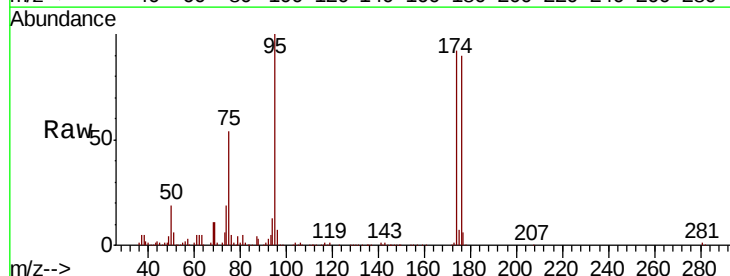
Manual Integrations
 APPROVED

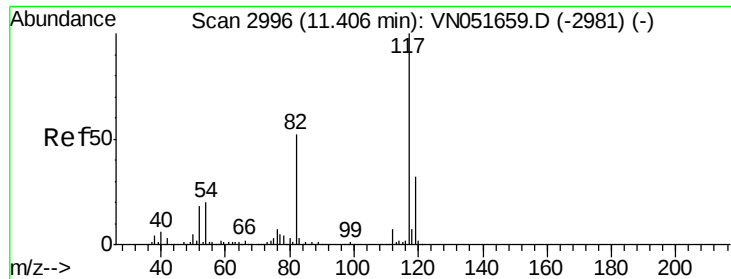
MMDadoda
 10/8/2018 1:53:13 PM



#62
 4-Bromofluorobenzene
 Concen: 18.023 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	182.8
176	88.9	0.0	176.4





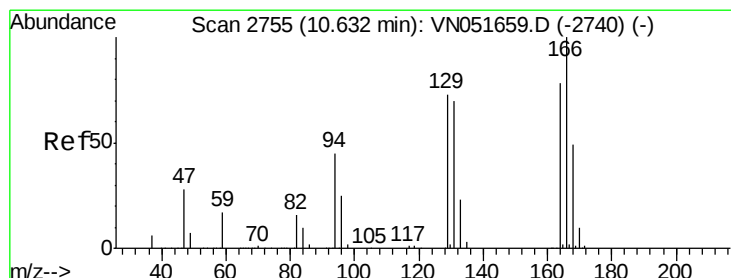
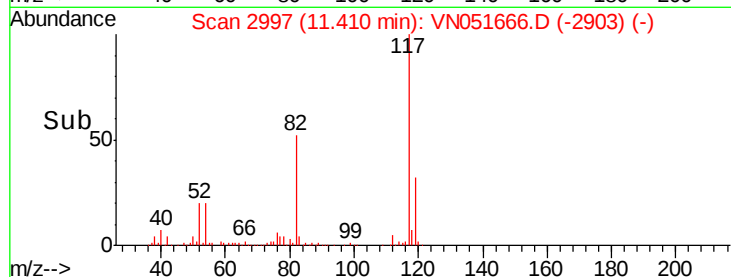
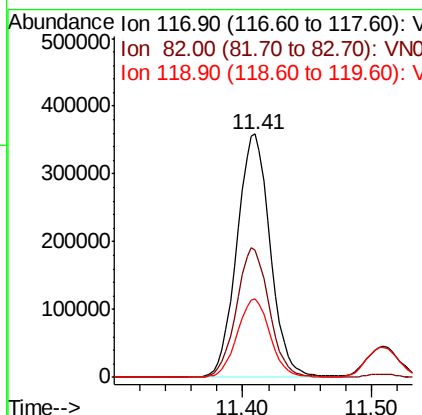
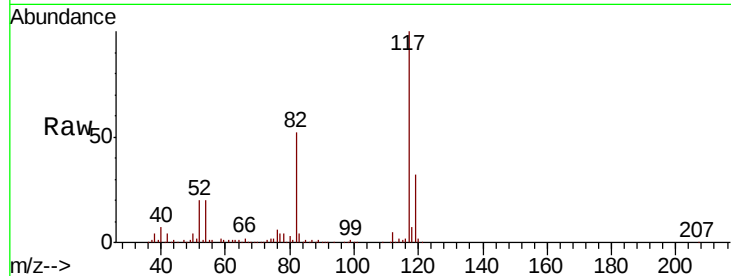
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	643910		
82	52.0		41.3	61.9
119	32.2		25.9	38.9

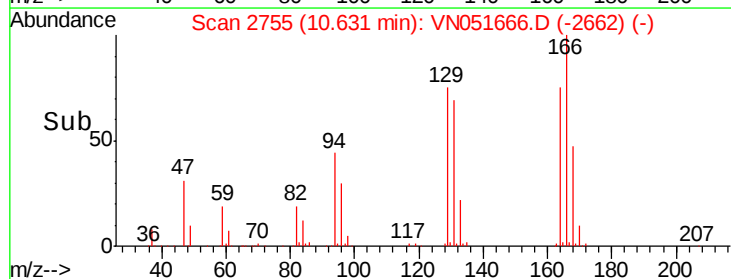
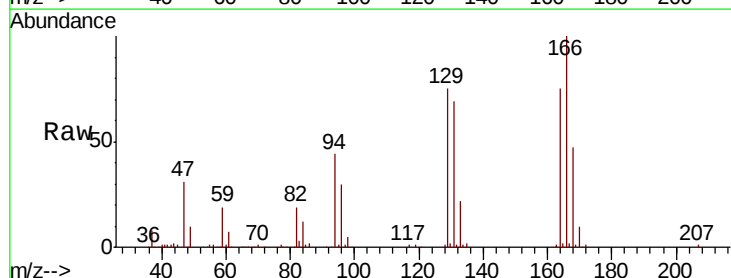
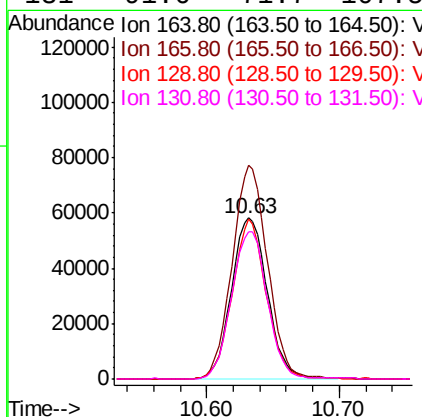
Manual Integrations
APPROVED

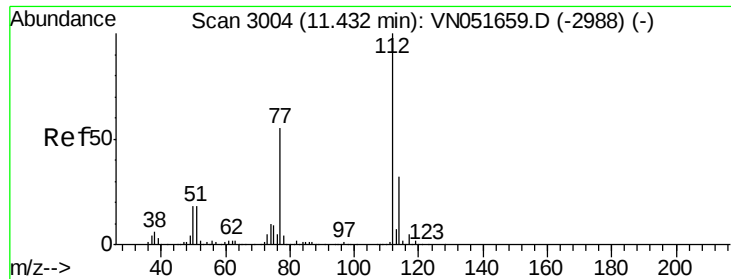
MMDadoda
10/8/2018 1:53:13 PM



#64
Tetrachloroethene
Concen: 19.281 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	109531		
166	132.5		103.0	154.6
129	99.5		75.2	112.8
131	91.6		71.7	107.5





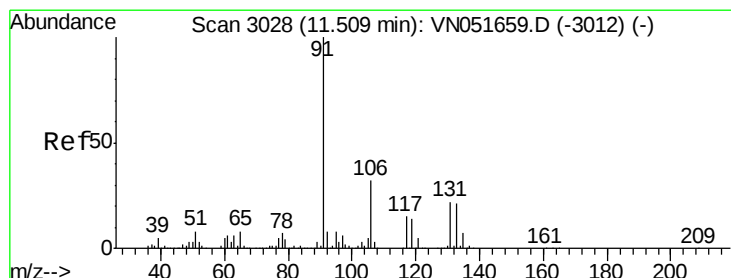
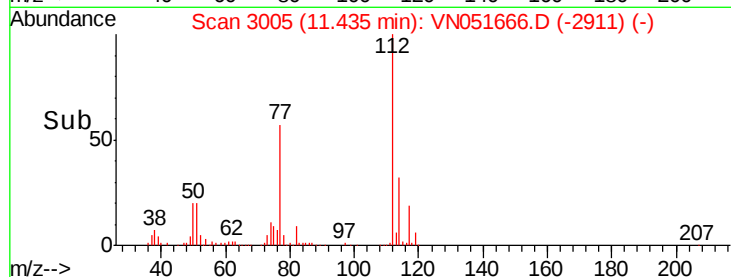
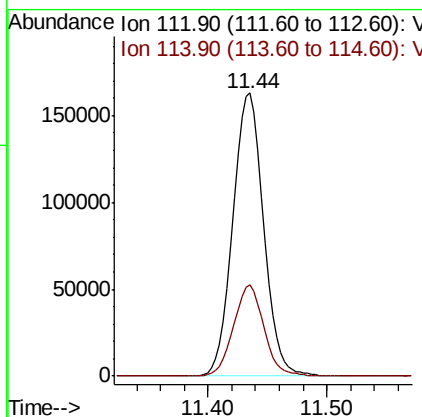
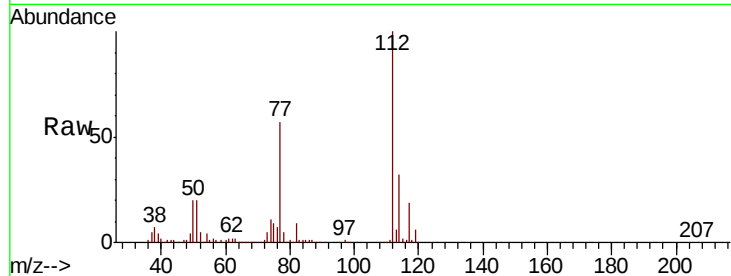
#65
Chlorobenzene
Concen: 18.332 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	292343		
114	32.4	25.9	38.9	

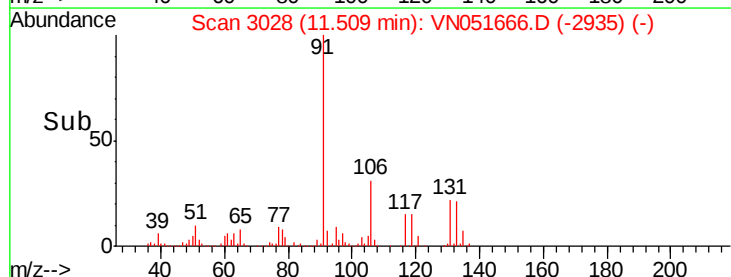
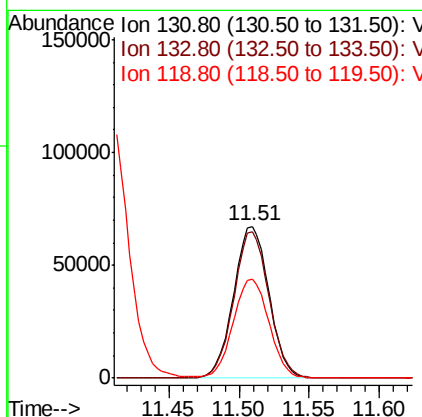
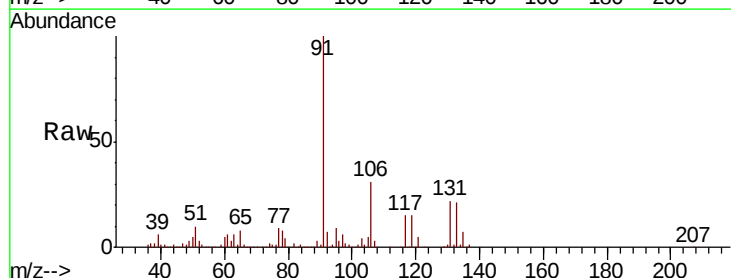
Manual Integrations
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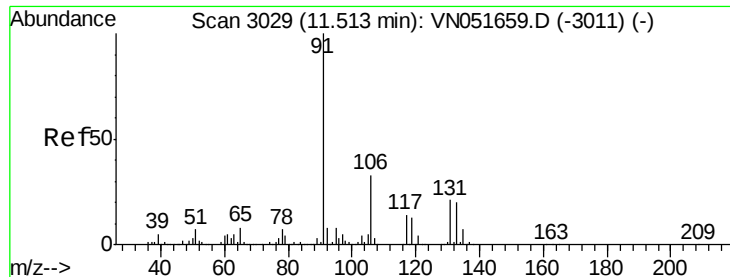
MMDadoda
10/8/2018 1:53:13 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.556 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	118486		
133	96.3	47.6	142.8	
119	66.4	32.0	96.0	





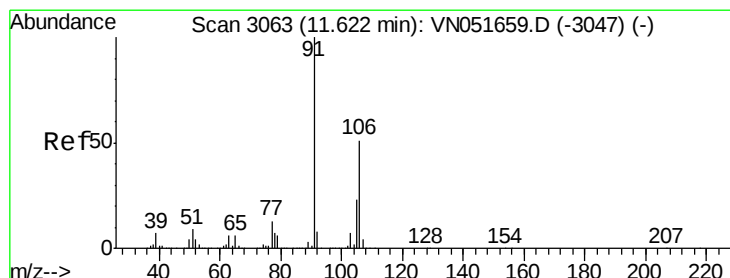
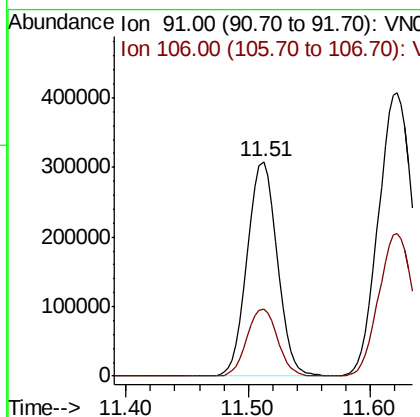
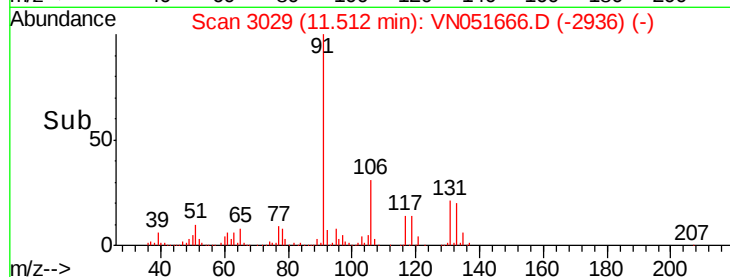
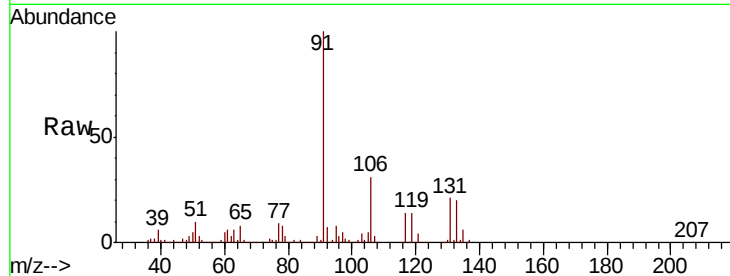
#67
Ethyl Benzene
Concen: 18.899 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion: 91 Resp: 520945
Ion Ratio Lower Upper
91 100
106 31.3 26.0 39.0

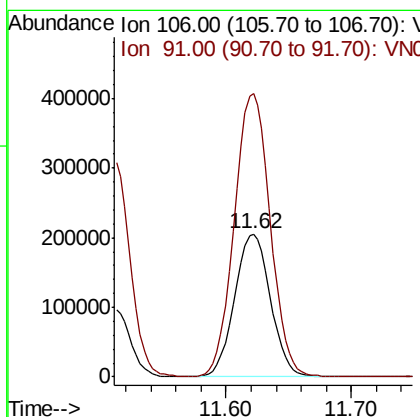
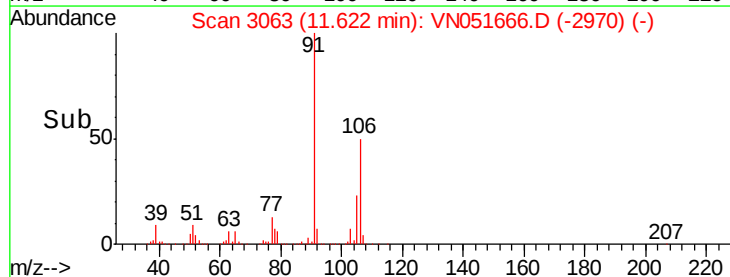
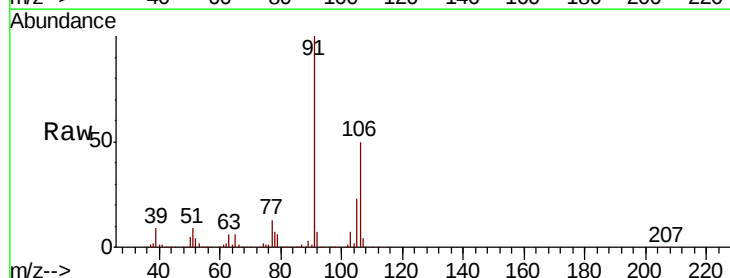
Manual Integrations
APPROVED

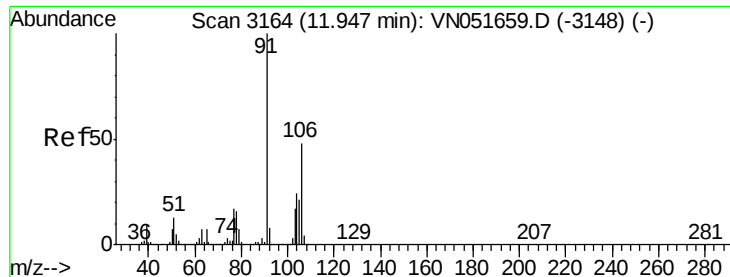
MMDadoda
10/8/2018 1:53:13 PM



#68
m/p-Xylenes
Concen: 36.789 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion: 106 Resp: 405745
Ion Ratio Lower Upper
106 100
91 199.7 158.4 237.6





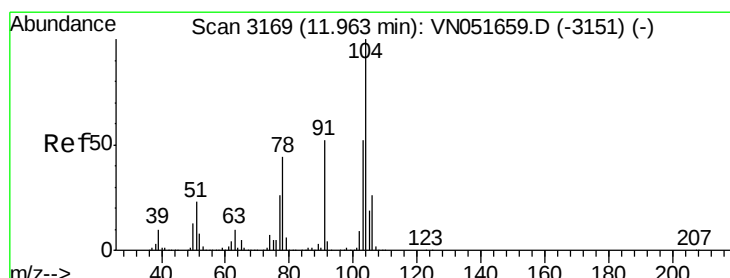
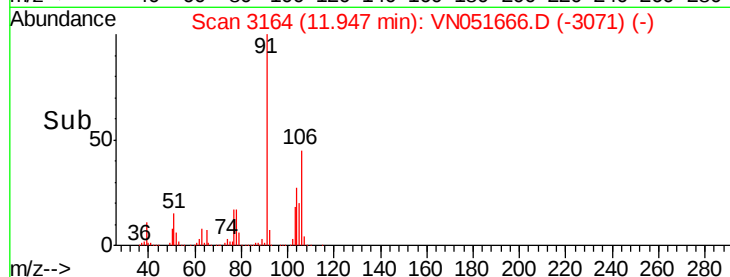
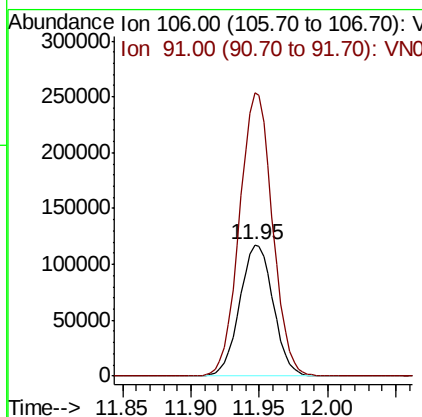
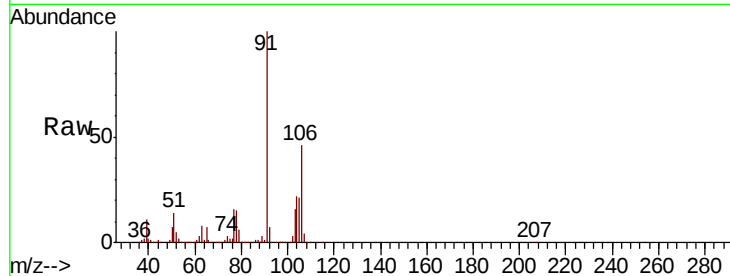
#69
o-Xylene
Concen: 18.516 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.2	104.4	313.2

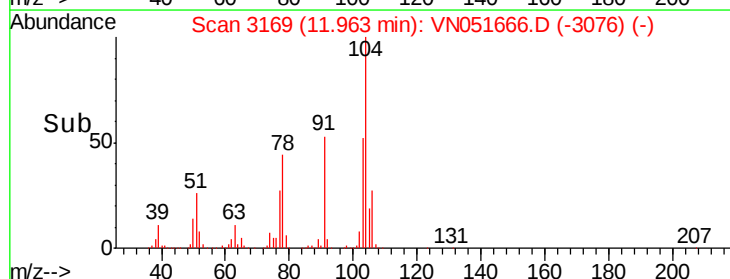
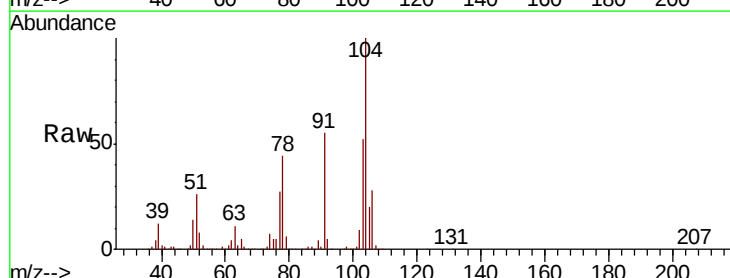
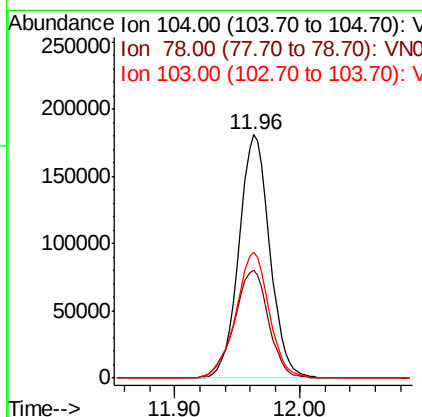
Manual Integrations
APPROVED

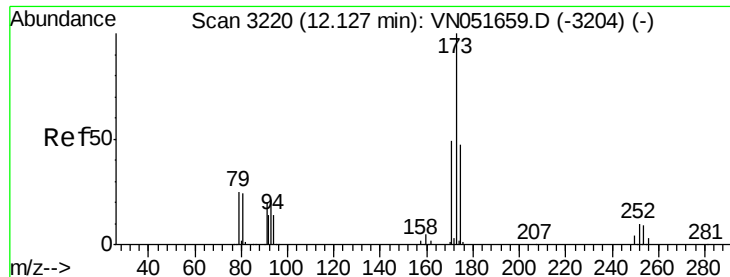
MMDadoda
10/8/2018 1:53:13 PM



#70
Styrene
Concen: 17.928 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.3	58.9
103	55.7	45.0	67.6





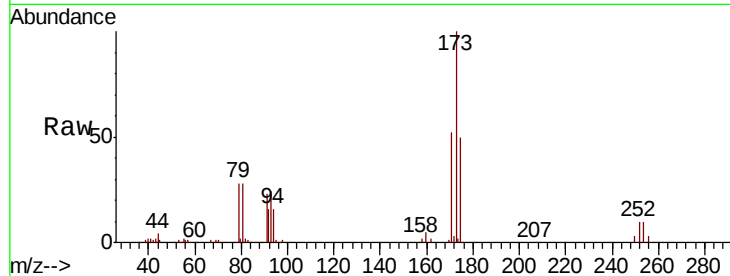
#71
Bromoform
Concen: 17.333 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	24.0	72.0
254	0.0	0.1	0.1

Manual Integrations
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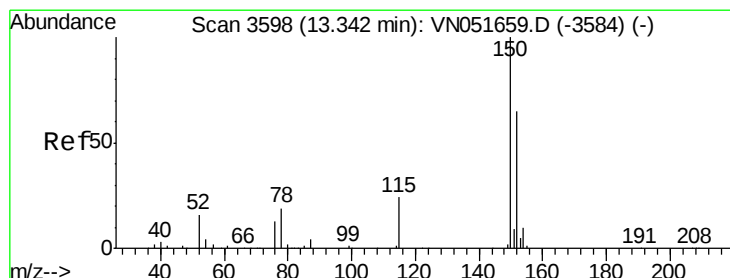
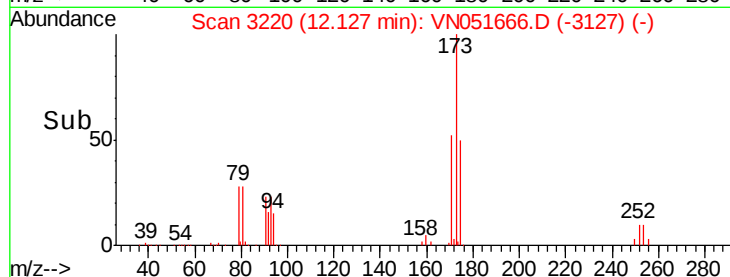
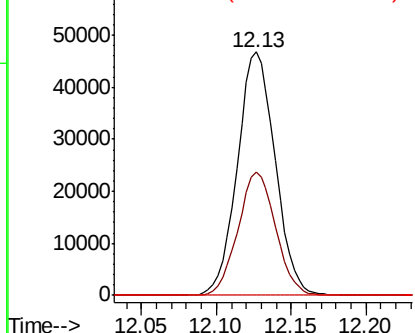


Abundance

Ion 172.70 (172.40 to 173.40): V

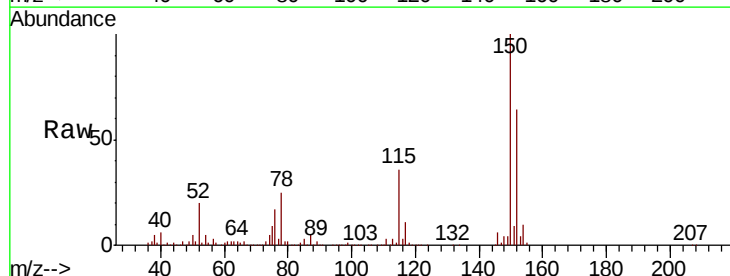
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.6	85.8
150	164.4	0.0	352.4

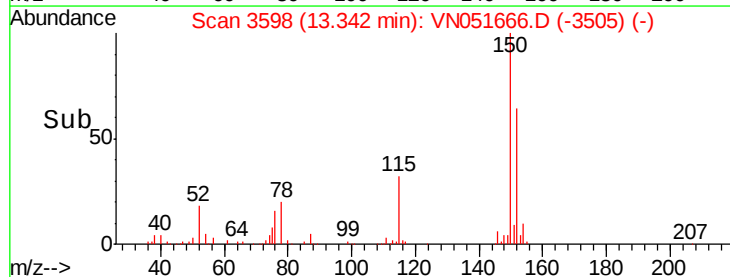
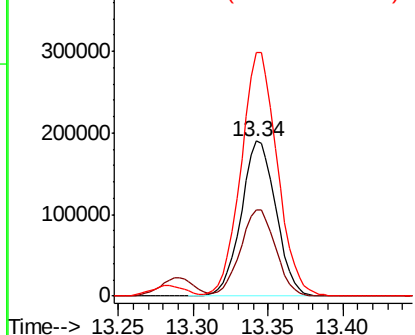


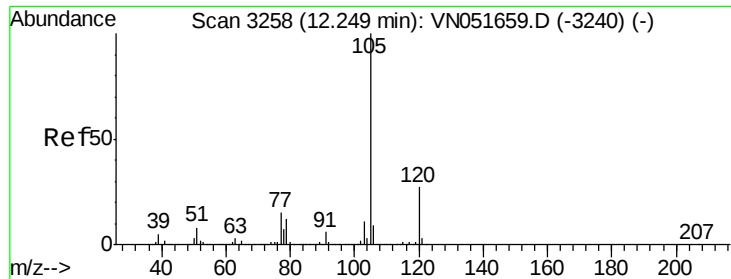
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





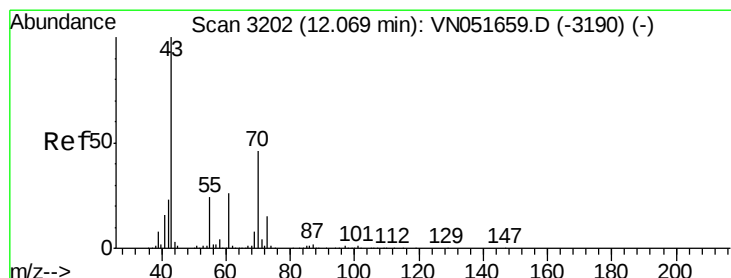
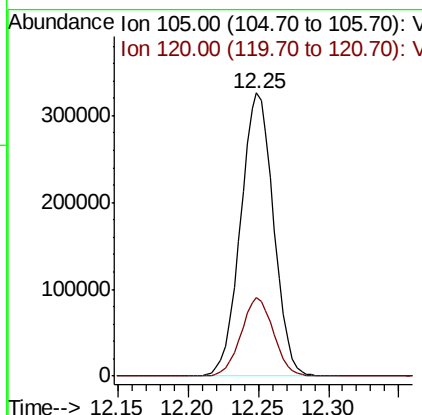
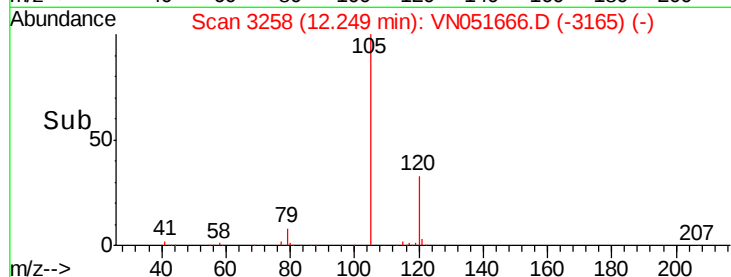
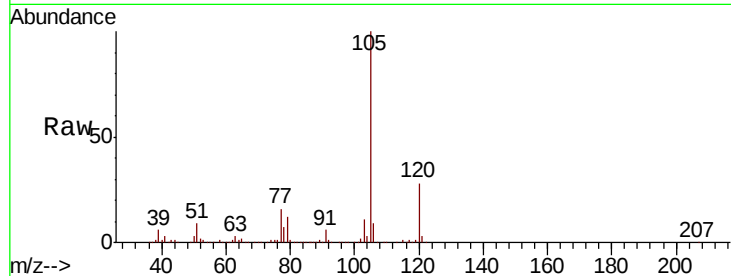
#73
Isopropylbenzene
Concen: 20.453 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.9	41.6

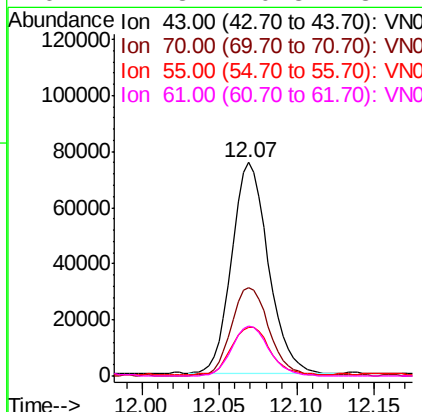
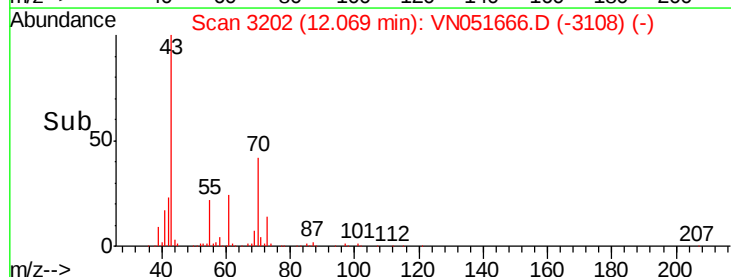
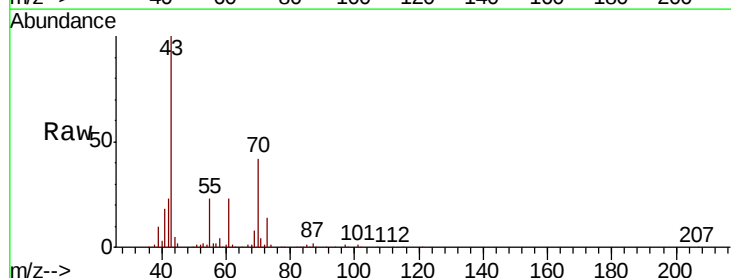
Manual Integrations
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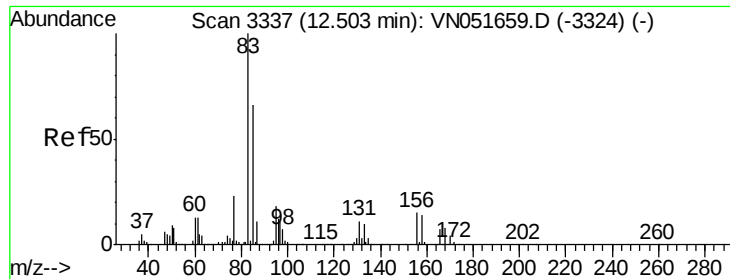
MMDadoda
10/8/2018 1:53:13 PM



#74
N-ethyl acetate
Concen: 20.902 ug/l
RT: 12.07 min Scan# 3202
Delta R.T. 0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.6	37.1	55.7
55	23.8	19.1	28.7
61	24.3	20.8	31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.752 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

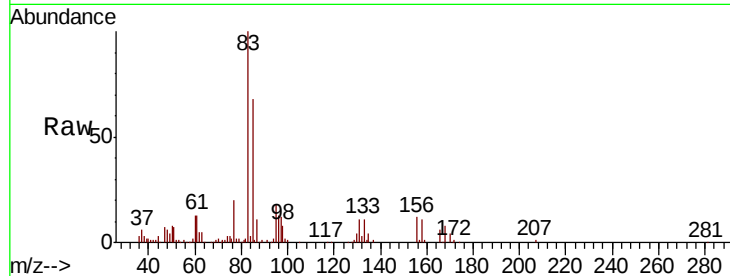
ClientSampleId :

VN1004WBS01

Tot Ion:	83	Resp:	116436
Ion	Ratio	Lower	Upper
83	100		
131	10.8	5.7	17.1
85	67.7	33.0	98.9

Manual Integrations
APPROVED

MMDadoda
10/8/2018 1:53:13 PM



Abundance Ion 82.90 (82.60 to 83.60): VN051666.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN051666.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN051666.D (-3243) (-)

12.50

60000

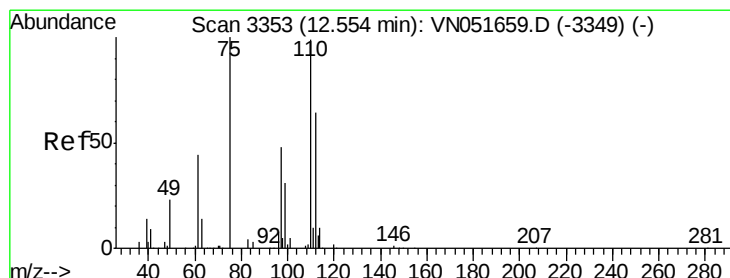
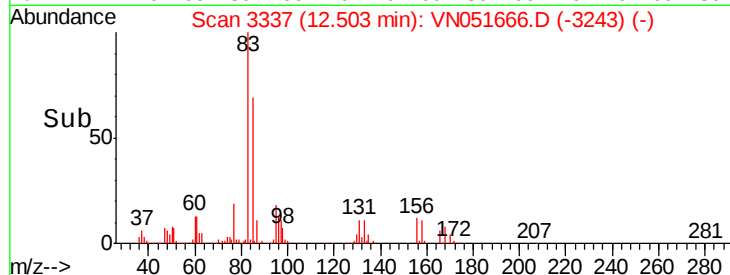
40000

20000

0

12.45 12.50 12.55

Time-->



#76

1,2,3-Trichloropropane

Concen: 25.285 ug/l m

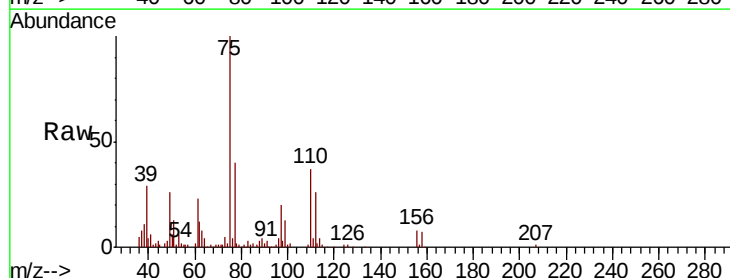
RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Tgt Ion:	75	Resp:	103877
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN051666.D (-3260) (-)

Ion 77.00 (76.70 to 77.70): VN051666.D (-3260) (-)

120000

100000

80000

60000

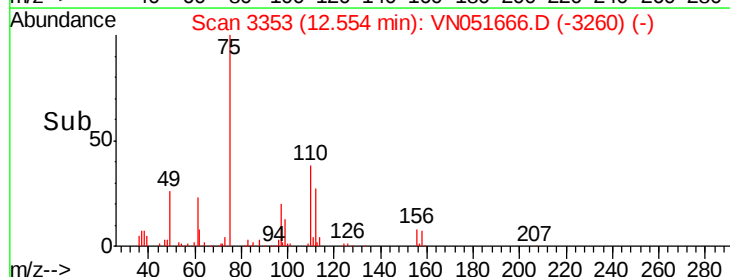
40000

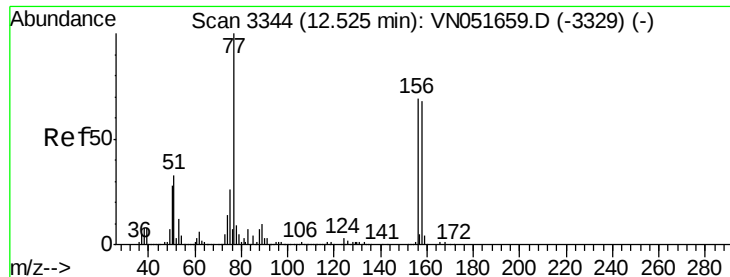
20000

0

12.55 12.60

Time-->





#77

Bromobenzene

Concen: 19.492 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

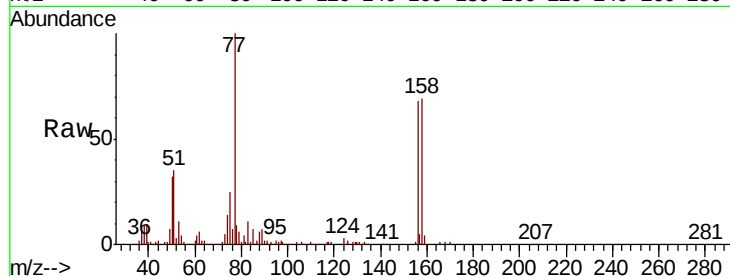
ClientSampled :

VN1004WBS01

Tot Ion:	156	Resp:	124352
Ion Ratio	Lower	Upper	
156	100		
77	169.1	83.2	249.4
158	98.8	49.0	147.2

Manual Integrations
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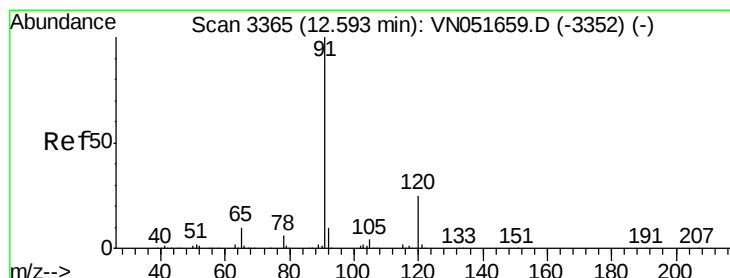
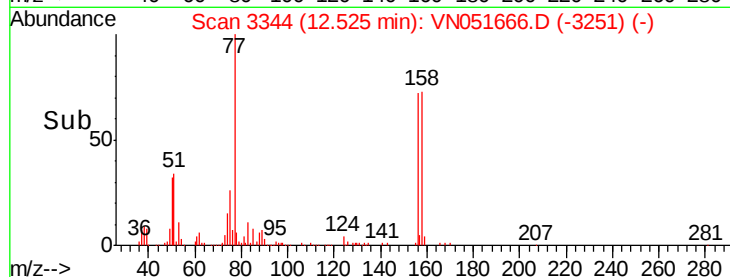
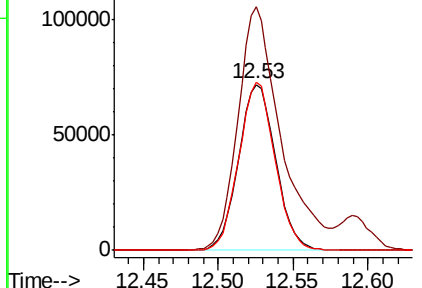
MMDadoda
10/8/2018 1:53:13 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.287 ug/l

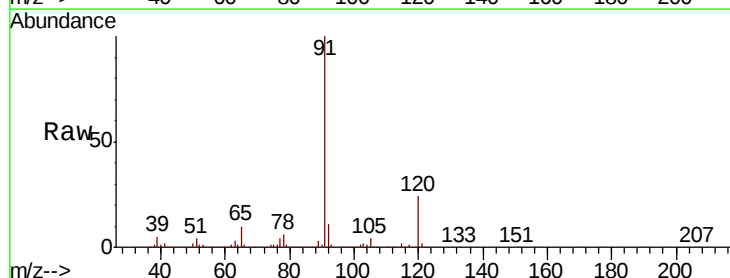
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN051666.D

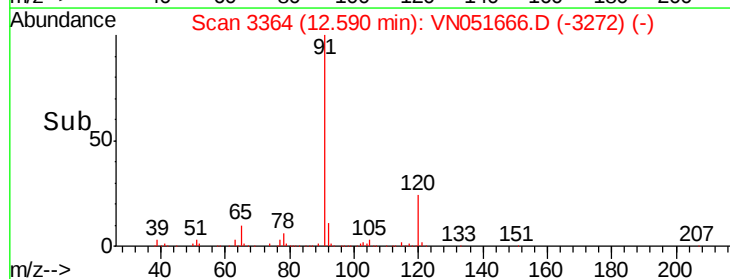
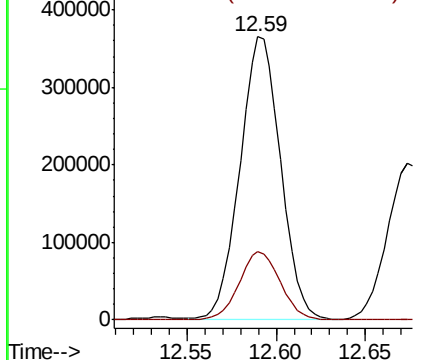
Acq: 4 Oct 2018 14:55

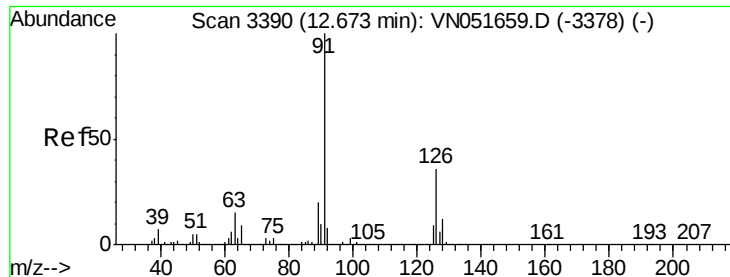
Tgt Ion:	91	Resp:	577338
Ion Ratio	Lower	Upper	
91	100		
120	24.5	12.4	37.2



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.033 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion: 91 Resp: 336000

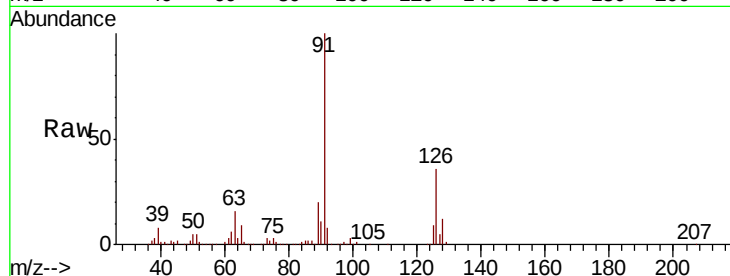
Ion Ratio Lower Upper

91 100

126 37.2 18.5 55.5

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Abundance Ion 91.00 (90.70 to 91.70): VN051659.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN051659.D (-3378) (-)

300000

200000

100000

0

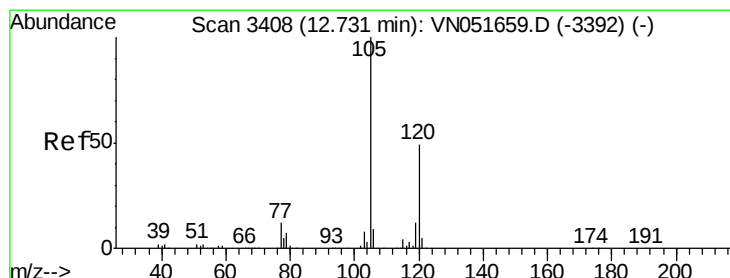
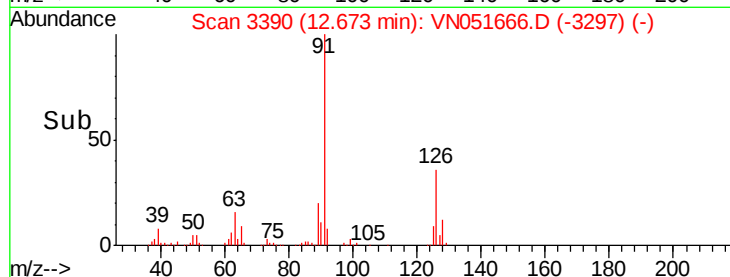
12.67

12.60

12.65

12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.259 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN051666.D

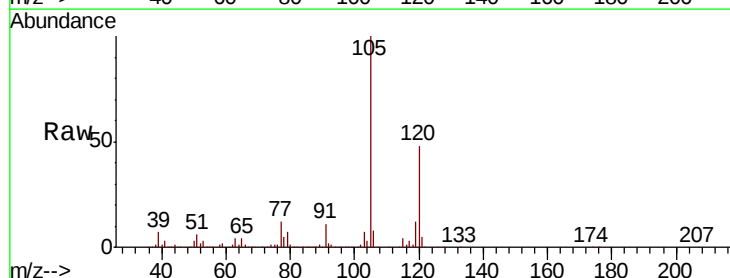
Acq: 4 Oct 2018 14:55

Tgt Ion: 105 Resp: 445476

Ion Ratio Lower Upper

105 100

120 49.2 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VN051659.D (-3392) (-)

Ion 120.00 (119.70 to 120.70): VN051659.D (-3392) (-)

300000

200000

100000

0

12.73

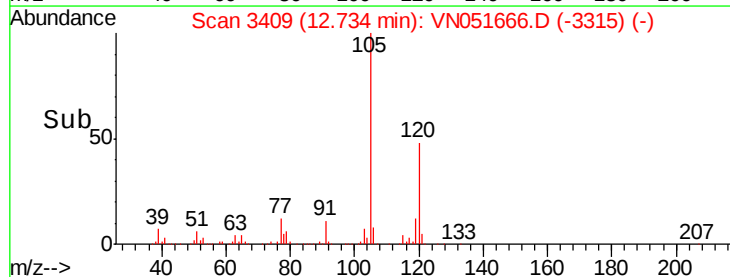
12.65

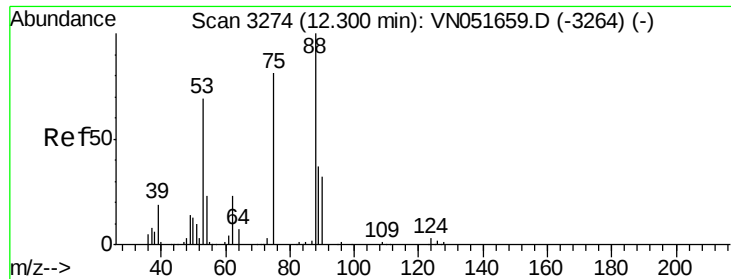
12.70

12.75

12.80

Time-->





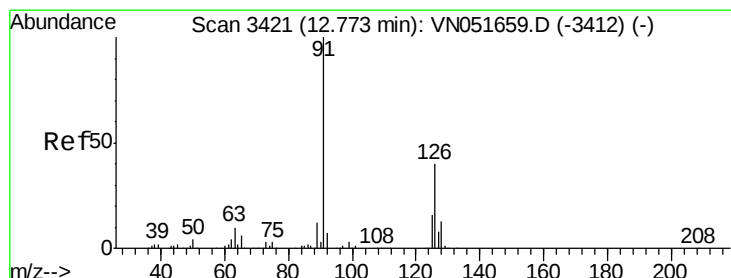
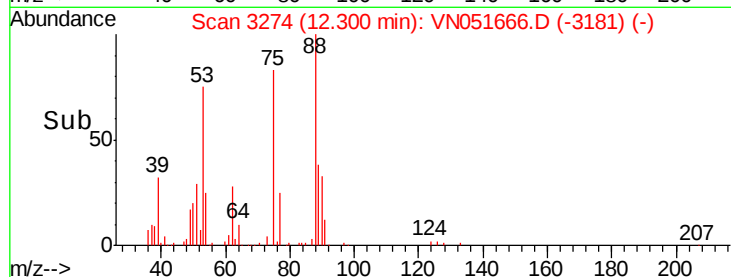
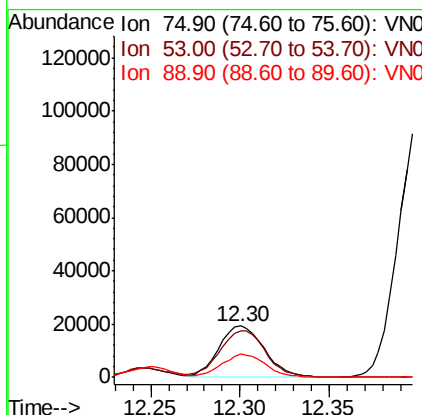
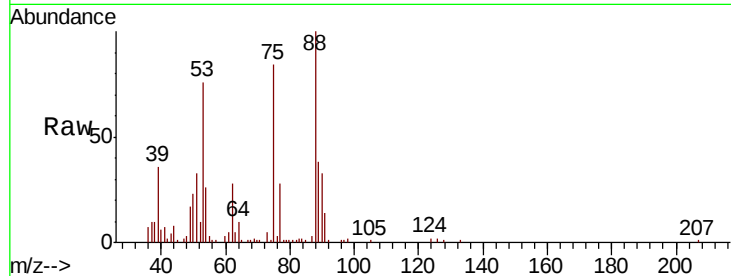
#81
trans-1,4-Dichloro-2-butene
Concen: 20.528 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.5	68.6	102.8
89	43.1	39.4	59.2

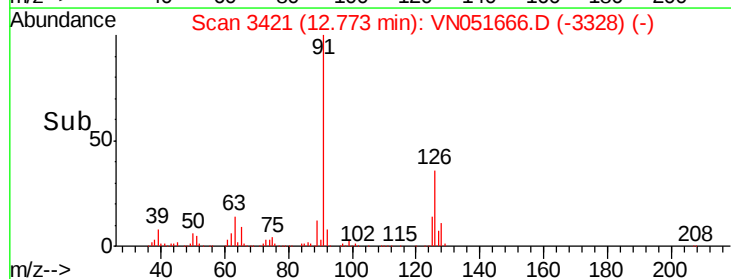
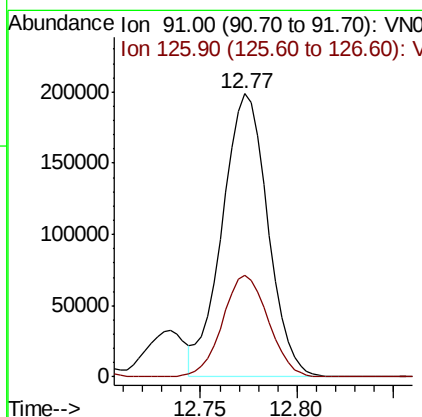
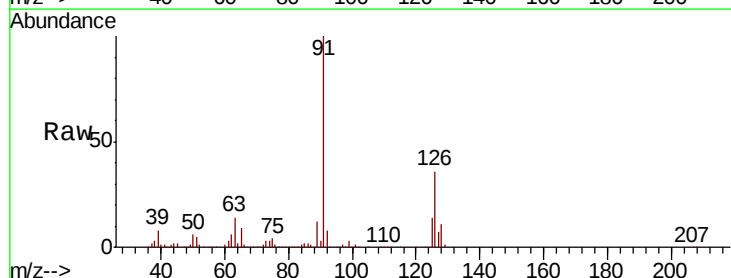
Manual Integrations
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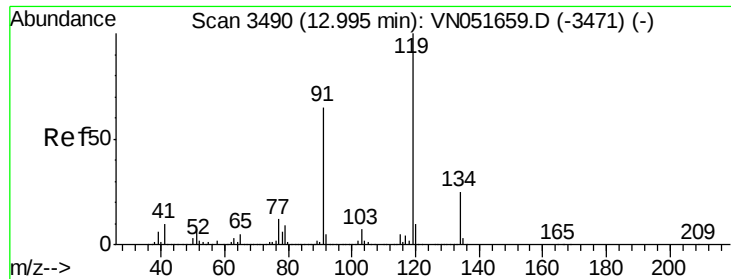
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#82
4-Chlorotoluene
Concen: 19.234 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.0	54.0





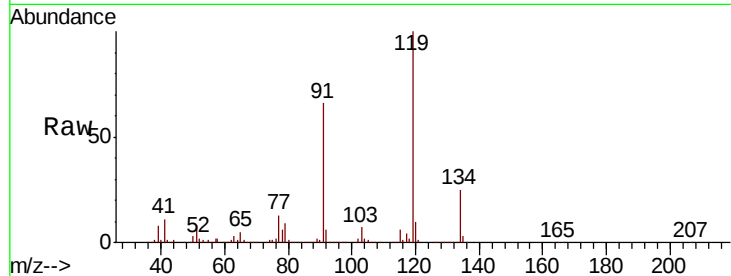
#83
 tert-Butylbenzene
 Concen: 20.153 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampled :
 VN1004WBS01

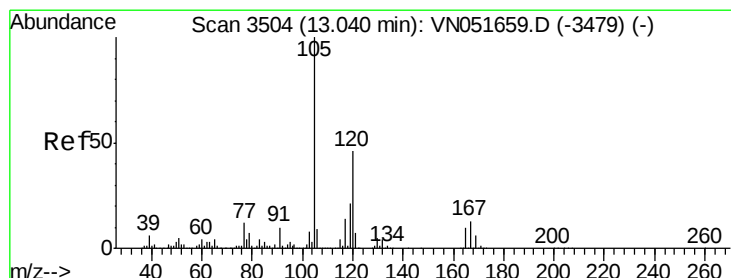
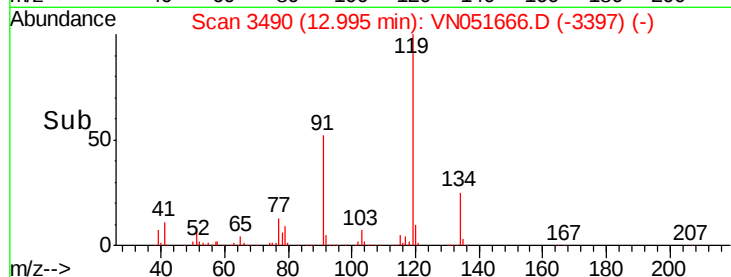
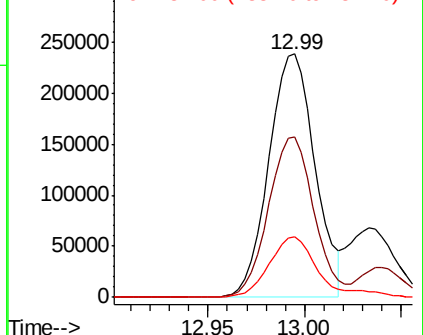
Tot Ion	Ratio	Resp	Lower	Upper
119	100	397065		
91	64.5	32.1	96.5	
134	24.7	13.3	39.9	

Manual Integrations
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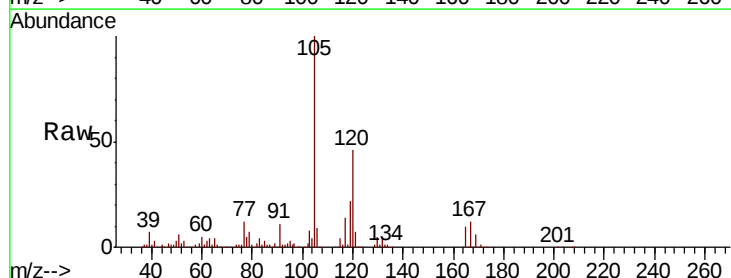


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

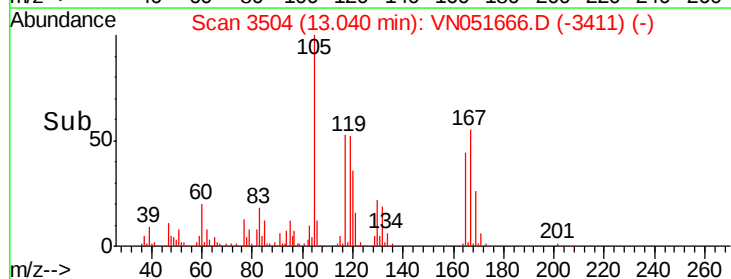
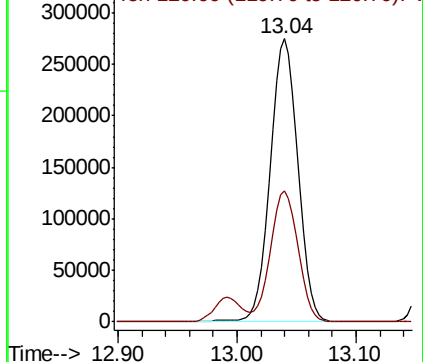


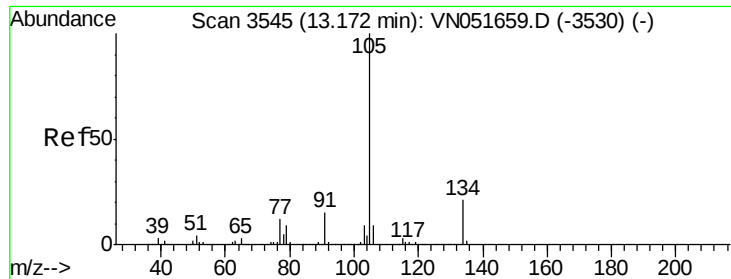
#84
 1,2,4-Trimethylbenzene
 Concen: 20.107 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	442855		
120	46.3	22.9	68.7	



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 20.373 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

Instrument :

MSVOA_N

ClientSampleId :

VN1004WBS01

Tot Ion:105 Resp: 530984

Ion Ratio Lower Upper

105 100

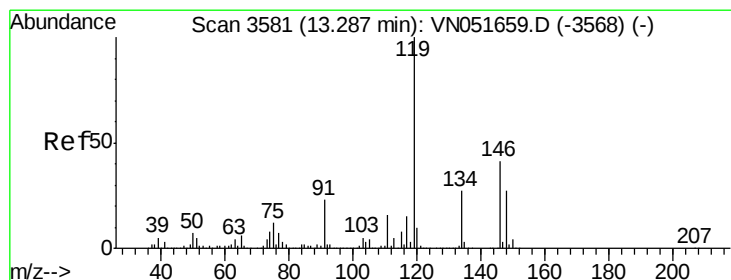
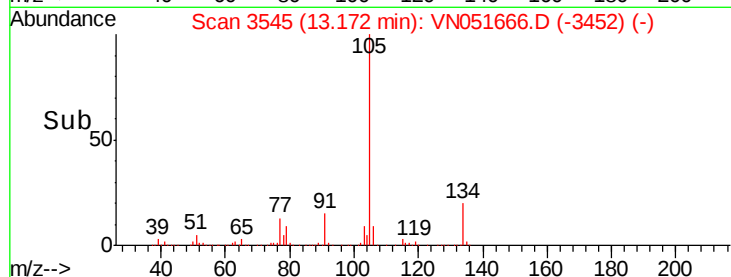
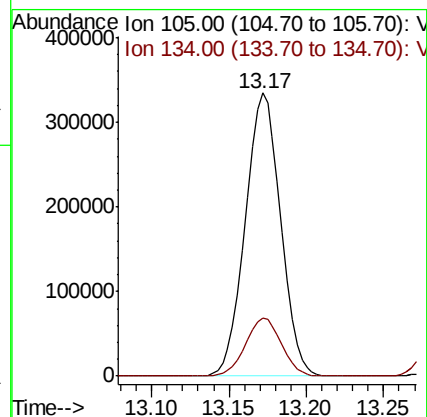
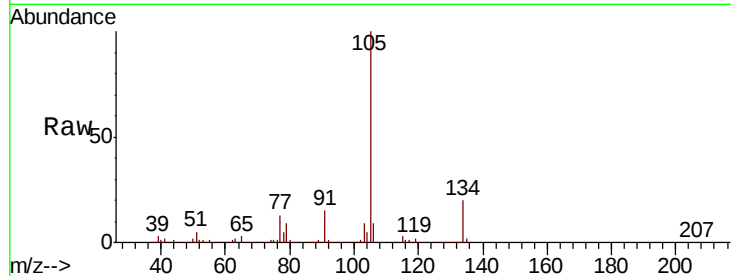
134 20.8 10.5 31.6

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 19.960 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN051666.D

Acq: 4 Oct 2018 14:55

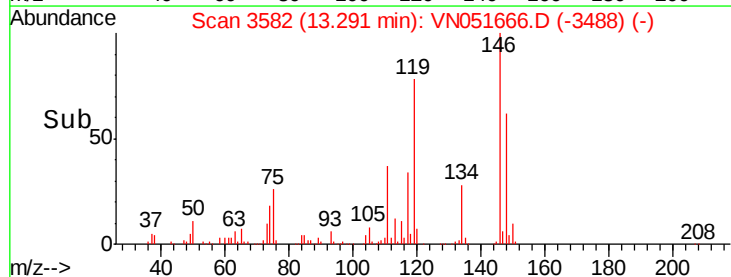
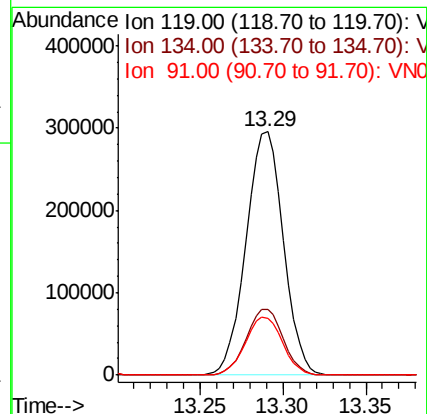
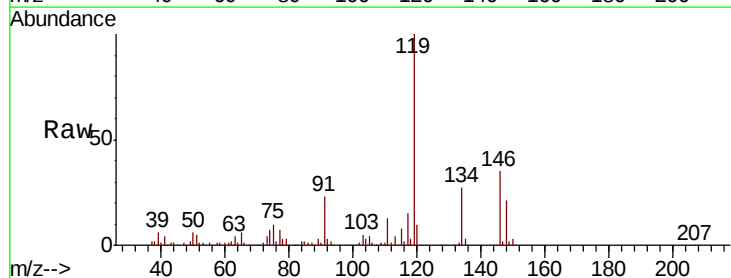
Tgt Ion:119 Resp: 461169

Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.2

91 23.7 11.7 35.1





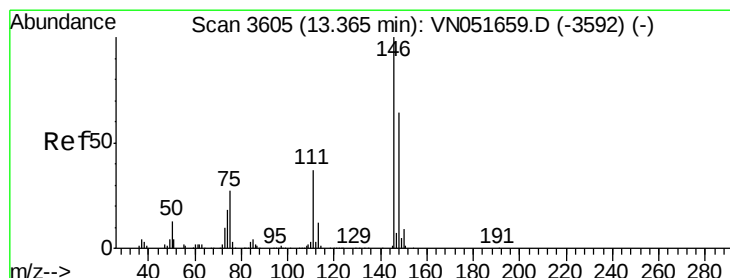
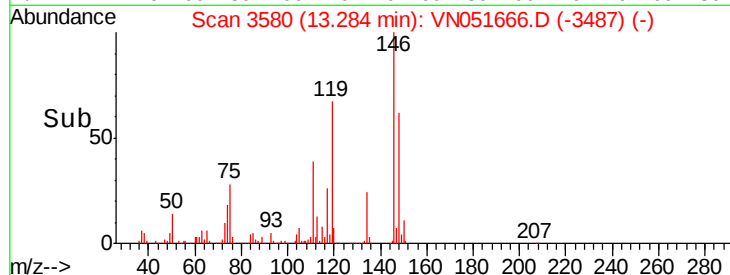
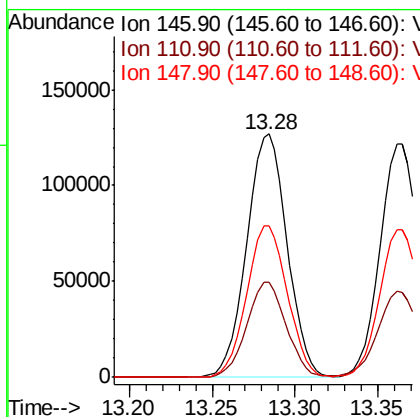
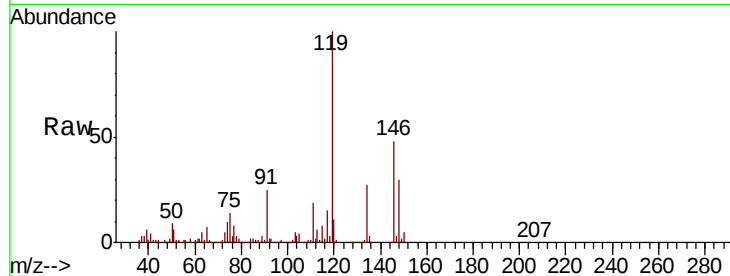
#87
 1,3-Dichlorobenzene
 Concen: 19.306 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	19.3	57.9
148	62.8	32.5	97.5

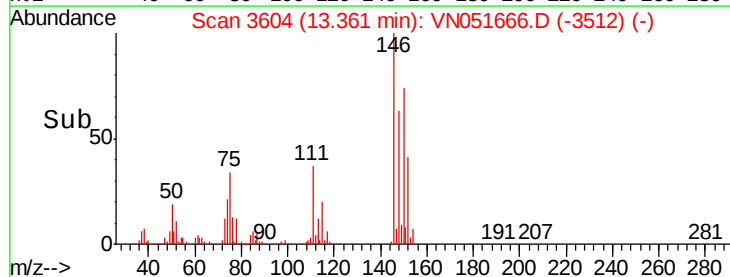
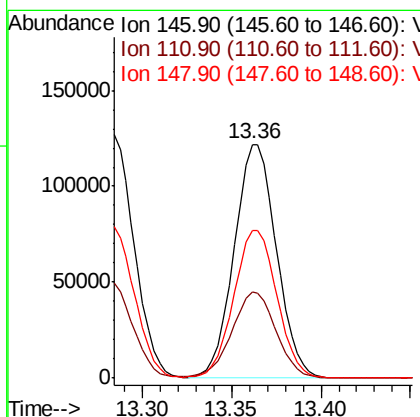
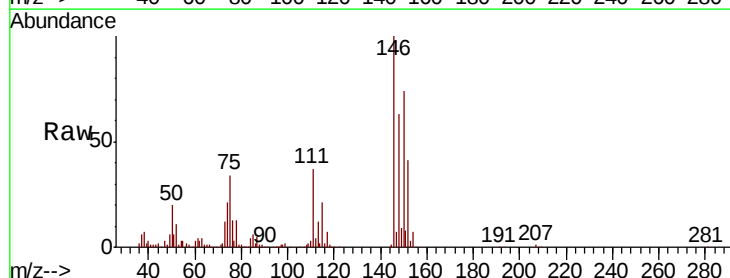
Manual Integrations
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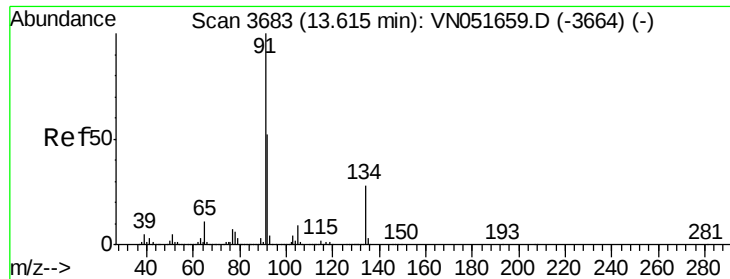
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#88
 1,4-Dichlorobenzene
 Concen: 18.418 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	18.6	55.8
148	64.6	32.3	96.8





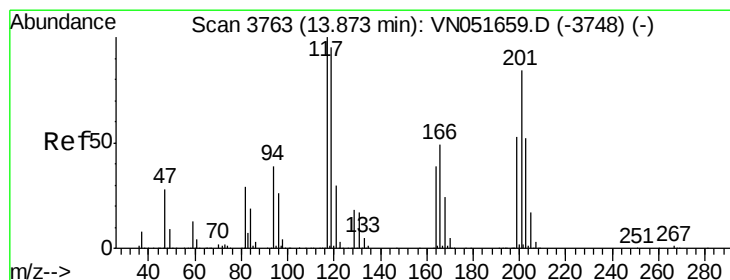
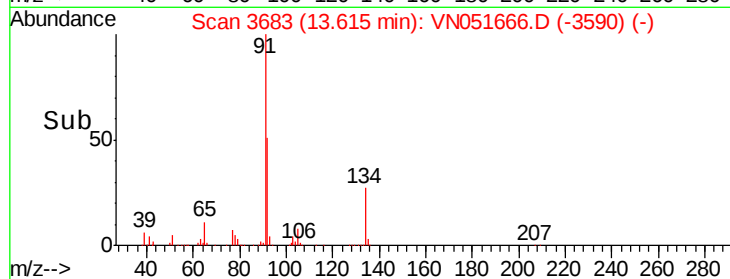
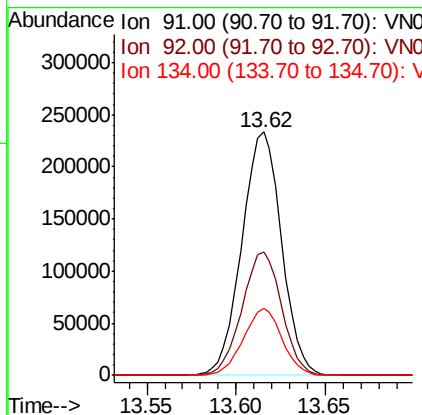
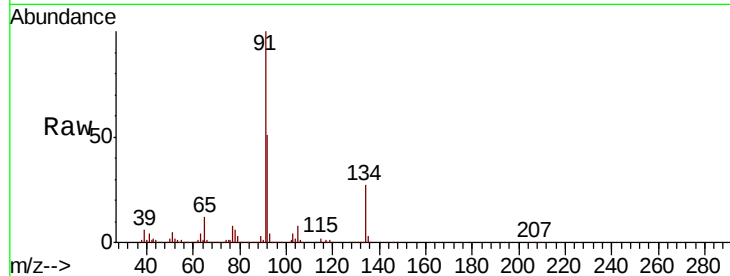
#89
n-Butylbenzene
Concen: 19.743 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	26.0	78.0
134	26.9	14.2	42.6

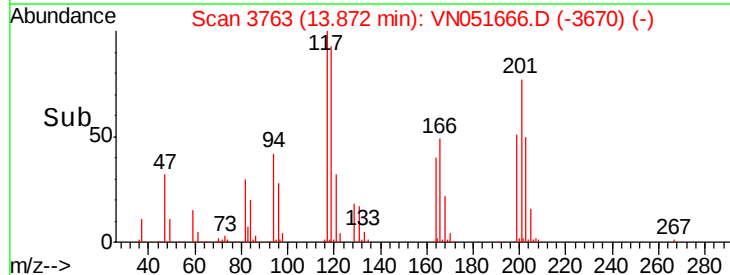
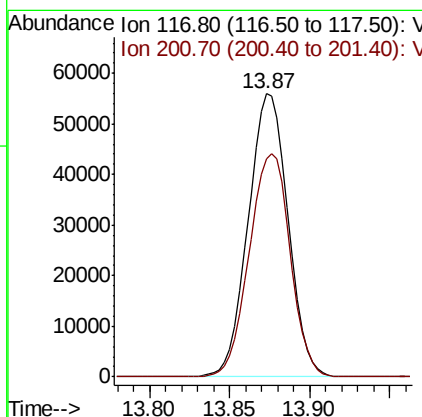
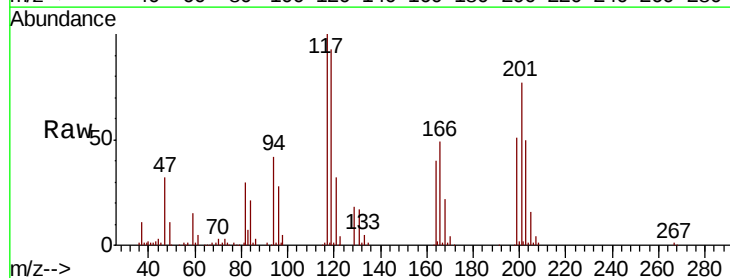
Manual Integrations
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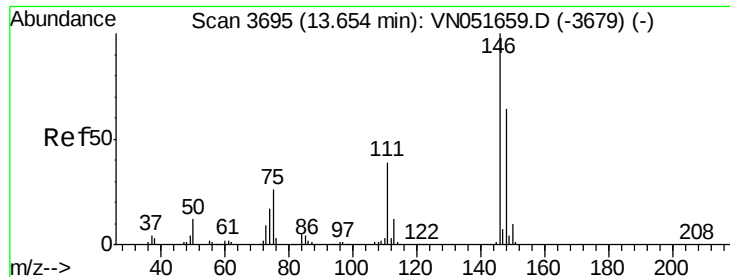
MMDadoda
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#90
Hexachloroethane
Concen: 20.770 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.1	42.4	127.3





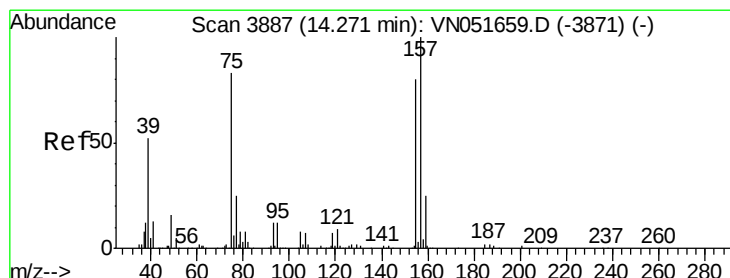
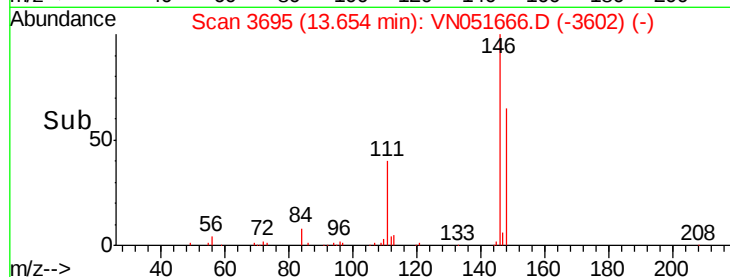
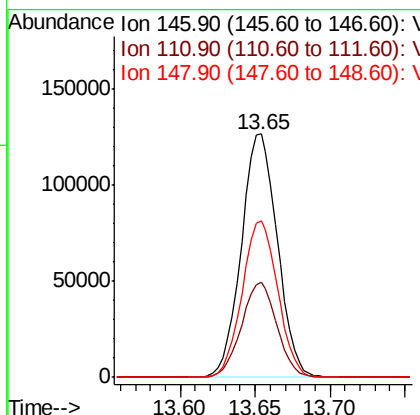
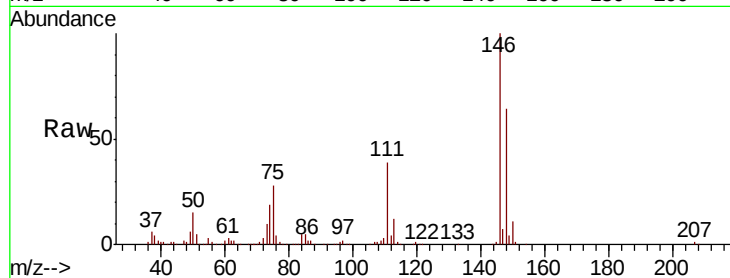
#91
 1,2-Dichlorobenzene
 Concen: 19.275 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.7	59.0
148	63.4	32.1	96.3

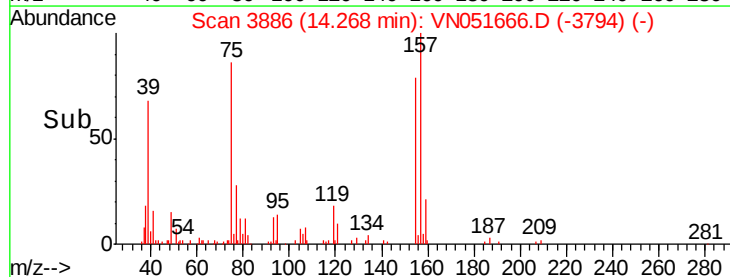
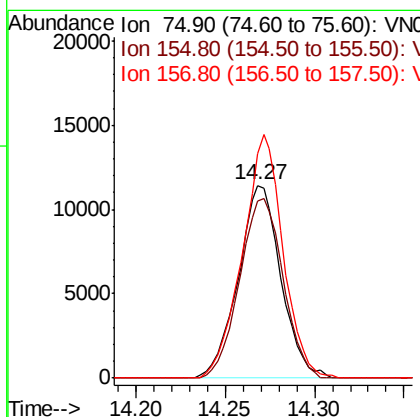
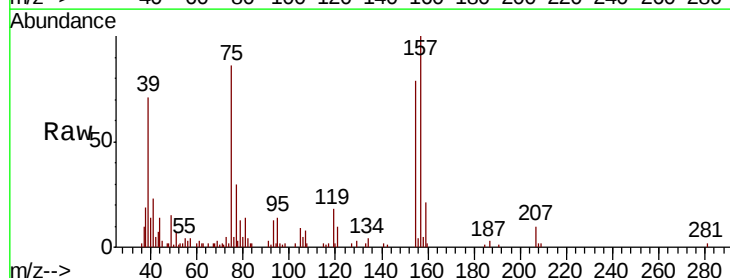
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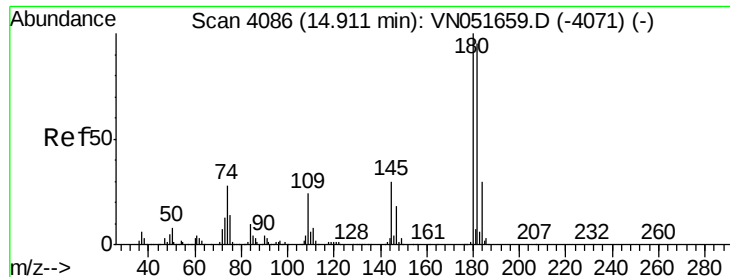
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.756 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	47.6	142.9
157	119.9	61.7	185.1





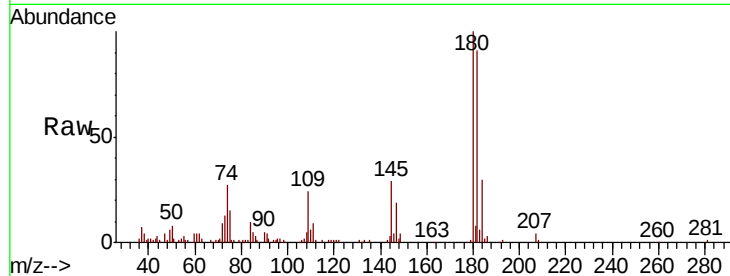
#93
 1,2,4-Trichlorobenzene
 Concen: 16.478 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1004WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	92.5	47.7	143.1
145	28.6	15.3	45.9

Manual Integrations
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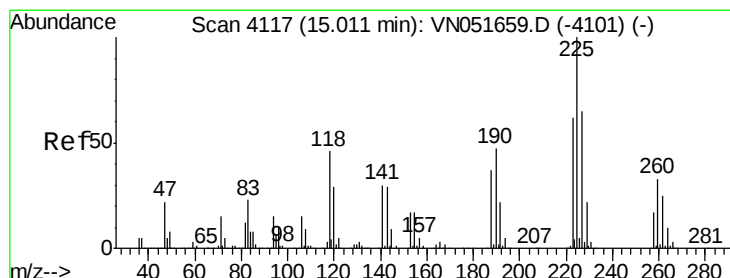
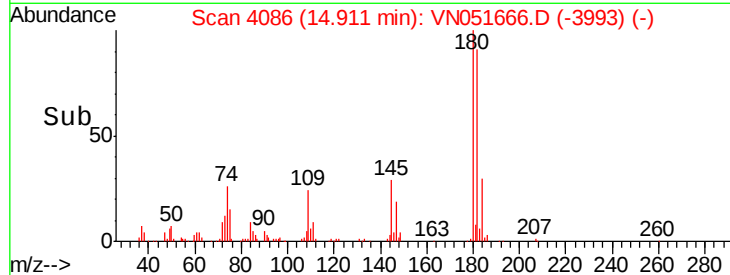
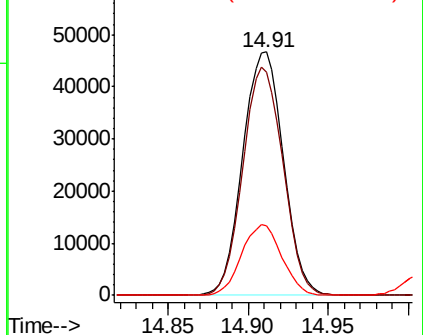


Abundance

Ion 179.80 (179.50 to 180.50): V

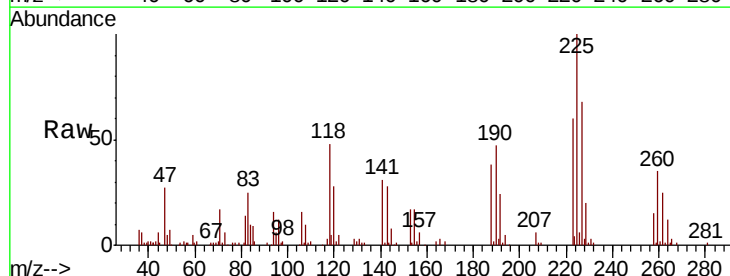
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.334 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN051666.D
 Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.0	31.9	95.5
227	64.9	31.7	95.1

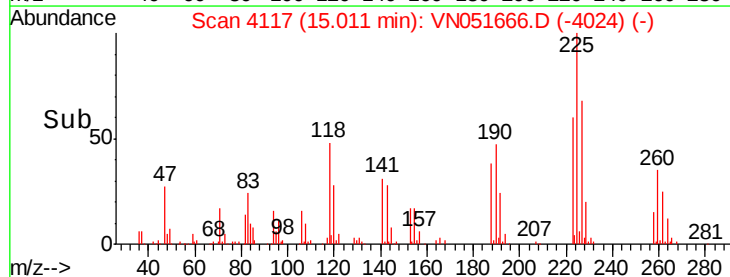
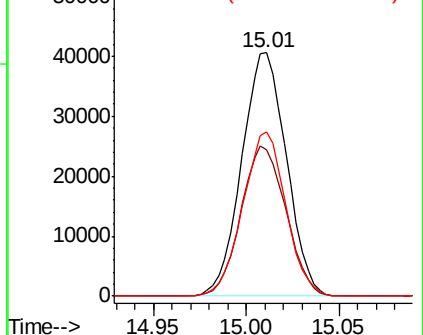


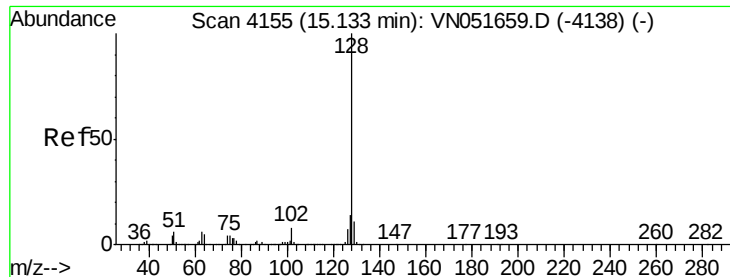
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





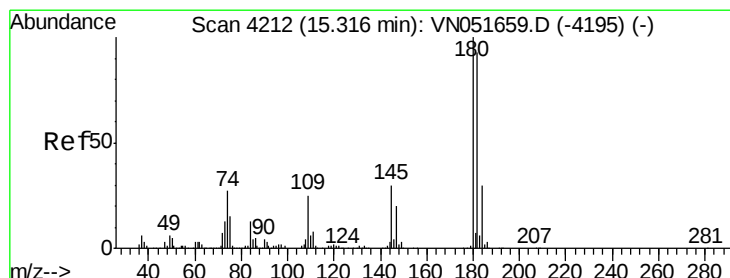
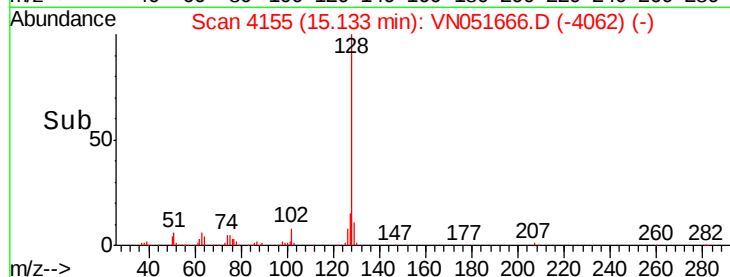
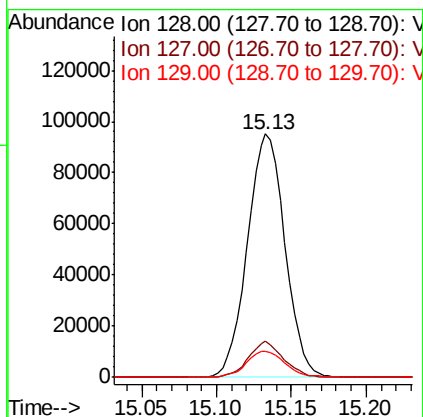
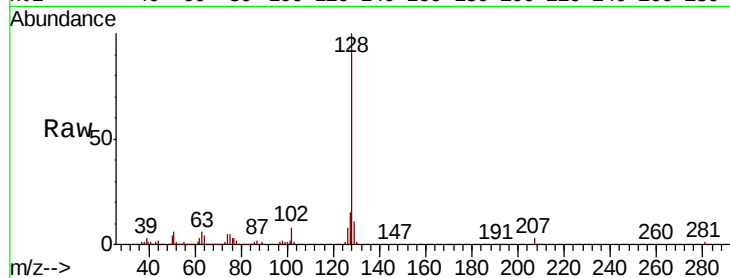
#95
Naphthalene
Concen: 15.645 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Instrument :
MSVOA_N
ClientSampleId :
VN1004WBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	11.1	9.0	13.6

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#96
1,2,3-Trichlorobenzene
Concen: 17.057 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN051666.D
Acq: 4 Oct 2018 14:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.3	141.8
145	32.6	15.6	46.8

