

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050313.D
 Acq On : 3 Aug 2018 15:23
 Operator : MD\SY
 Sample : VN0803WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:38:28 AM

Quant Time: Aug 03 23:53:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	602067	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	900382	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	796201	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	433263	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	429803	51.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.34%	
35) Dibromofluoromethane	7.59	113	376841	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	
50) Toluene-d8	10.09	98	1352363	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
62) 4-Bromofluorobenzene	12.40	95	454616	51.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.16%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	177376	20.50	ug/l	99
3) Chloromethane	2.06	50	162463	17.28	ug/l	100
4) Vinyl Chloride	2.18	62	183199	18.50	ug/l	97
5) Bromomethane	2.56	94	68904	11.76	ug/l	97
6) Chloroethane	2.70	64	107400	18.06	ug/l	95
7) Trichlorofluoromethane	3.01	101	254537	19.84	ug/l	100
8) Diethyl Ether	3.41	74	90653	21.20	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	161468	20.93	ug/l	99
10) Methyl Iodide	3.95	142	71919	7.26	ug/l	99
11) Tert butyl alcohol	4.80	59	79741	129.02	ug/l	99
12) 1,1-Dichloroethene	3.73	96	135181	19.48	ug/l	95
13) Acrolein	3.61	56	79830	160.76	ug/l	99
14) Allyl chloride	4.32	41	216371	20.11	ug/l	96
15) Acrylonitrile	4.99	53	308966	114.58	ug/l	99
16) Acetone	3.82	43	288973	144.21	ug/l	99
17) Carbon Disulfide	4.05	76	380933	17.92	ug/l	100
18) Methyl Acetate	4.33	43	257921	32.96	ug/l	100
19) Methyl tert-butyl Ether	5.05	73	411239	22.24	ug/l	99
20) Methylene Chloride	4.55	84	162567	21.10	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	144729	19.68	ug/l	97
22) Diisopropyl ether	5.96	45	476799	22.35	ug/l	98
23) Vinyl Acetate	5.90	43	1588919	105.39	ug/l	99
24) 1,1-Dichloroethane	5.85	63	288324	20.67	ug/l	99
25) 2-Butanone	6.84	43	386076	120.50	ug/l	100
26) 2,2-Dichloropropane	6.83	77	232609	21.92	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	165442	20.90	ug/l	99
28) Bromochloromethane	7.20	49	129091	20.29	ug/l	99
29) Tetrahydrofuran	7.22	42	248551	120.05	ug/l	100
30) Chloroform	7.37	83	297476	20.90	ug/l	99
31) Cyclohexane	7.65	56	222227	19.17	ug/l	91
32) 1,1,1-Trichloroethane	7.57	97	249487	20.49	ug/l	99
36) 1,1-Dichloropropene	7.79	75	205281	20.24	ug/l	99
37) Ethyl Acetate	6.93	43	156680	22.15	ug/l	99
38) Carbon Tetrachloride	7.78	117	213598	19.84	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	198818	19.05	ug/l	97
40) Benzene	8.04	78	641383	20.78	ug/l	99
41) Methacrylonitrile	7.18	41	79199	23.07	ug/l #	83
42) 1,2-Dichloroethane	8.13	62	218664	21.23	ug/l	100
43) Isopropyl Acetate	8.17	43	418469	30.96	ug/l #	89
44) Trichloroethene	8.83	130	170799	20.59	ug/l	99
45) 1,2-Dichloropropane	9.12	63	173178	21.18	ug/l	100
46) Dibromomethane	9.21	93	108194	21.31	ug/l	99
47) Bromodichloromethane	9.40	83	223150	20.83	ug/l	99
48) Methyl methacrylate	9.20	41	141469	23.23	ug/l	99
49) 1,4-Dioxane	9.20	88	40609	489.90	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	856139	123.14	ug/l	99
52) Toluene	10.16	92	384497	21.10	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	214109	21.18	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	243644	21.09	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	158172	21.89	ug/l	98
56) Ethyl methacrylate	10.43	69	197552	21.39	ug/l	98
57) 1,3-Dichloropropane	10.71	76	256675	21.81	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	429536	99.23	ug/l	98
59) 2-Hexanone	10.75	43	593220	118.89	ug/l	98
60) Dibromochloromethane	10.90	129	170563	21.32	ug/l	99
61) 1,2-Dibromoethane	11.01	107	153734	21.44	ug/l	100
64) Tetrachloroethene	10.63	164	173146	22.62	ug/l	98
65) Chlorobenzene	11.44	112	422275	21.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	164885	21.34	ug/l	100
67) Ethyl Benzene	11.51	91	686615	21.25	ug/l	100
68) m/p-Xylenes	11.62	106	544643	44.57	ug/l	100
69) o-Xylene	11.95	106	255690	21.95	ug/l	100
70) Styrene	11.97	104	425008	21.06	ug/l	100
71) Bromoform	12.13	173	121851	21.68	ug/l #	100
73) Isopropylbenzene	12.25	105	688511	20.49	ug/l	100
74) N-amyl acetate	12.07	43	247009	24.05	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	222645	23.88	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	180894m	22.47	ug/l	
77) Bromobenzene	12.53	156	186968	20.08	ug/l	97
78) n-propylbenzene	12.59	91	804676	21.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	489532	21.03	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	591212	22.37	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	51870	20.43	ug/l	98
82) 4-Chlorotoluene	12.77	91	503506	21.84	ug/l	99
83) tert-Butylbenzene	12.99	119	500067	21.68	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	605545	22.73	ug/l	100
85) sec-Butylbenzene	13.17	105	661418	21.46	ug/l	100
86) p-Isopropyltoluene	13.29	119	572518	22.05	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	334778	21.21	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	330375	21.47	ug/l	99
89) n-Butylbenzene	13.62	91	471698	22.09	ug/l	99
90) Hexachloroethane	13.88	117	77162	13.38	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	334090	21.17	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37522	24.65	ug/l	99

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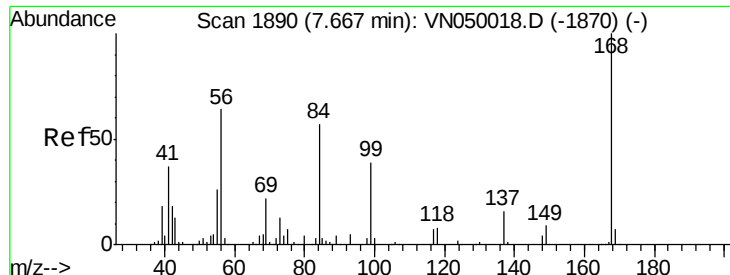
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	188447	24.21	ug/l	98
94) Hexachlorobutadiene	15.01	225	106142	21.97	ug/l	99
95) Naphthalene	15.14	128	491752	27.07	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	188480	24.31	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

Tot Ion:168 Resp: 602067

Ion Ratio Lower Upper

168 100

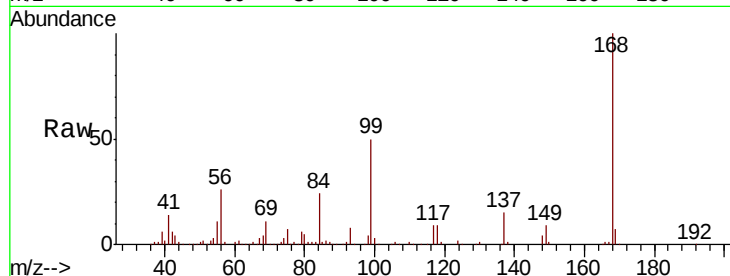
99 50.1 40.0 60.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

300000

250000

200000

150000

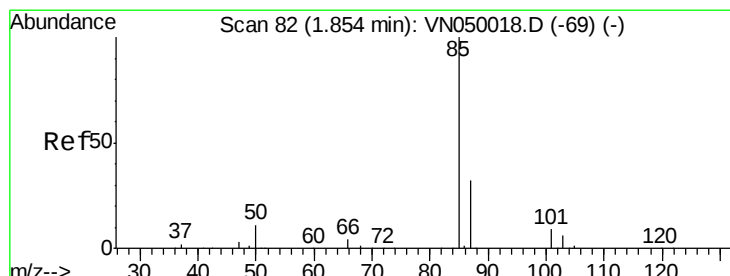
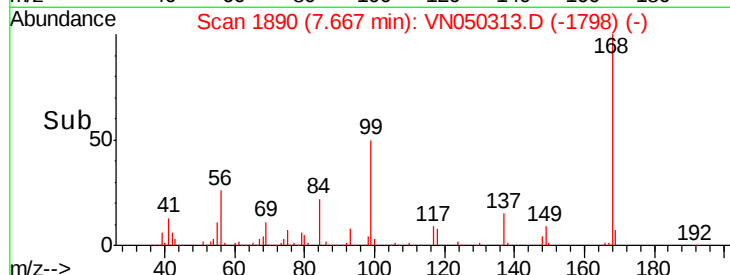
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 20.50 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050313.D

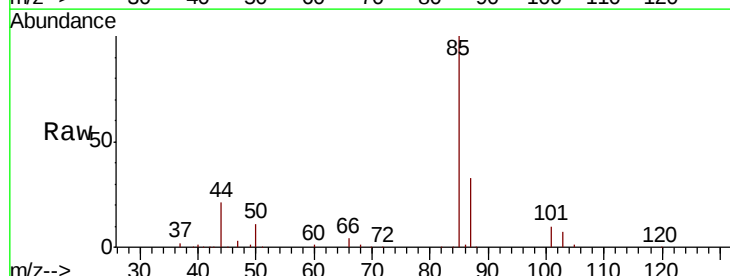
Acq: 3 Aug 2018 15:23

Tgt Ion: 85 Resp: 177376

Ion Ratio Lower Upper

85 100

87 32.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

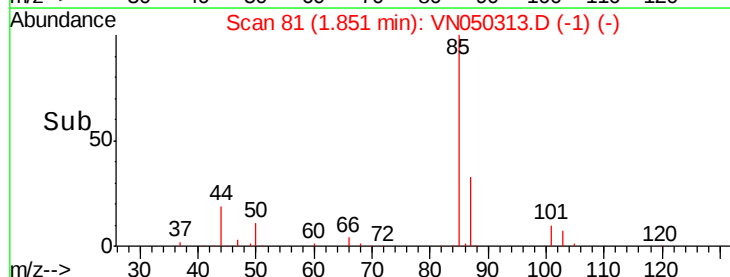
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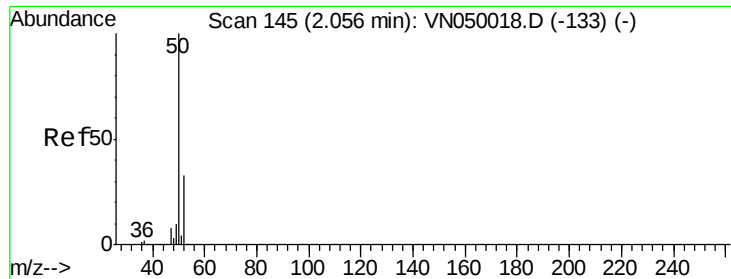
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.28 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

Tot Ion: 50 Resp: 162463

Ion Ratio Lower Upper

50 100

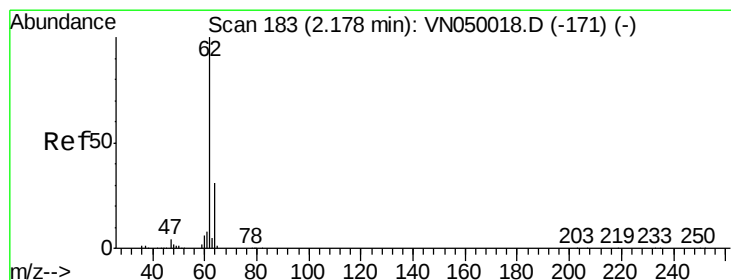
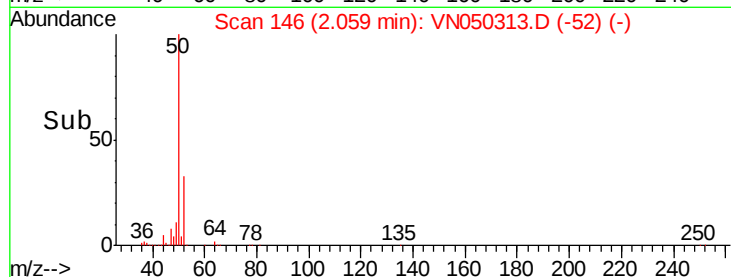
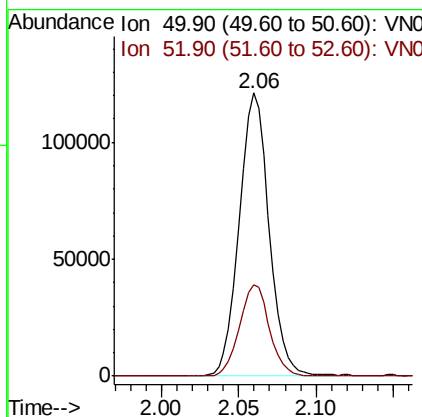
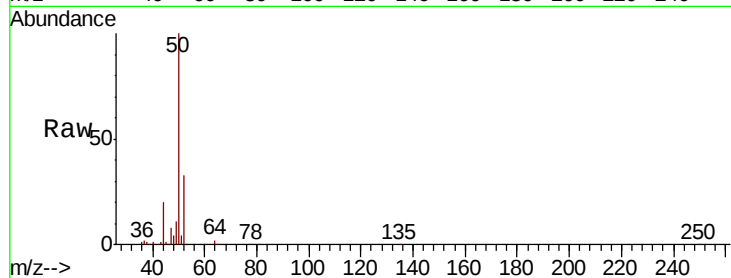
52 32.5 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.50 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050313.D

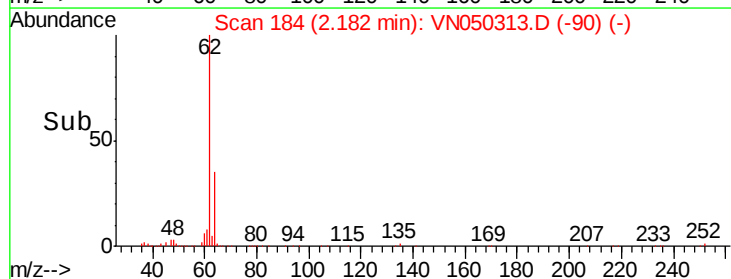
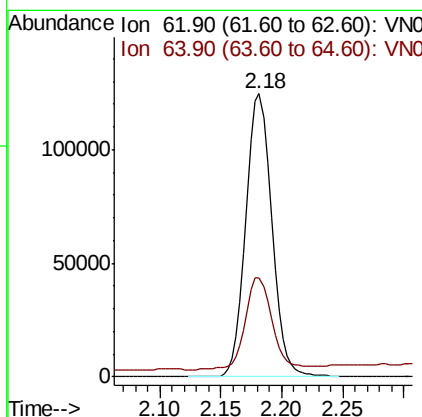
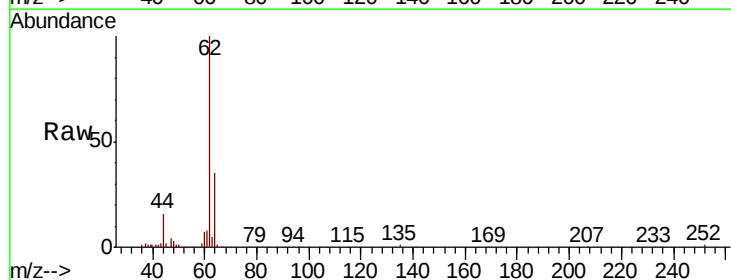
Acq: 3 Aug 2018 15:23

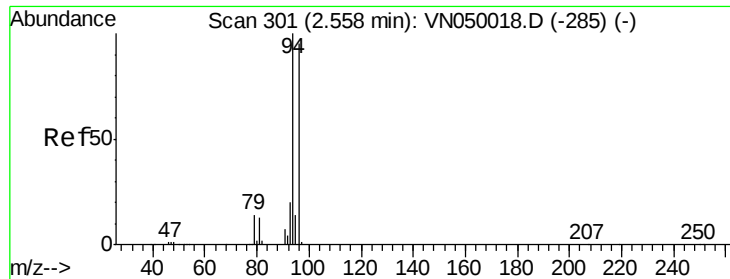
Tgt Ion: 62 Resp: 183199

Ion Ratio Lower Upper

62 100

64 32.5 24.7 37.1





#5

Bromomethane

Concen: 11.76 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

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VN0803WBS02

Tot Ion: 94 Resp: 68904

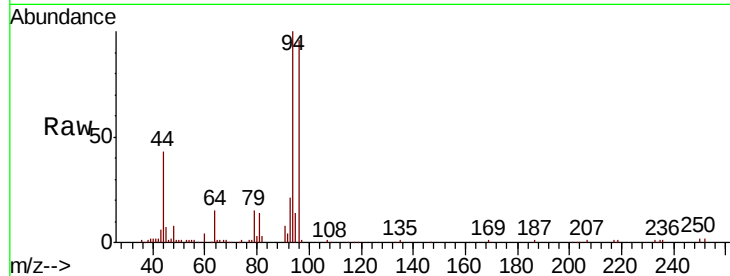
Ion Ratio Lower Upper

94 100

96 96.4 74.6 112.0

Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

40000

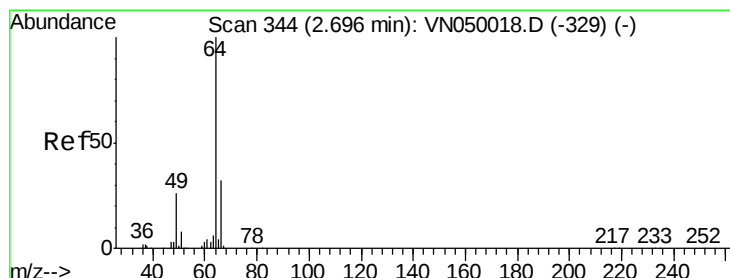
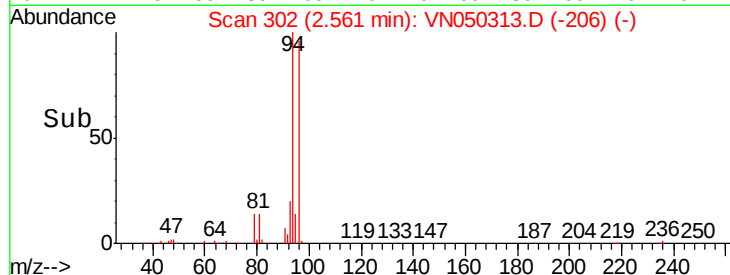
30000

20000

10000

0

Time-->



#6

Chloroethane

Concen: 18.06 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050313.D

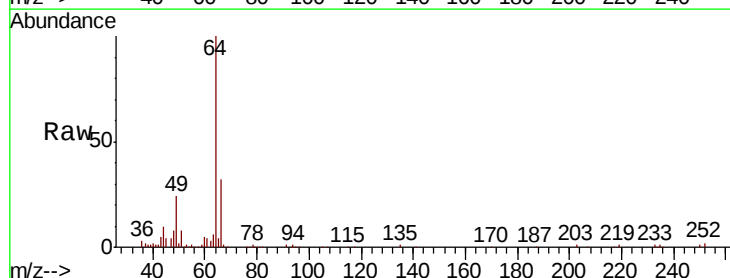
Acq: 3 Aug 2018 15:23

Tgt Ion: 64 Resp: 107400

Ion Ratio Lower Upper

64 100

66 34.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

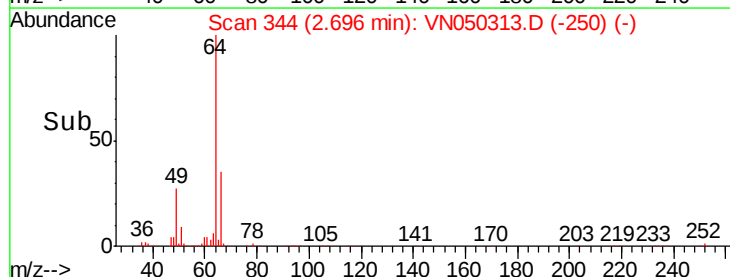
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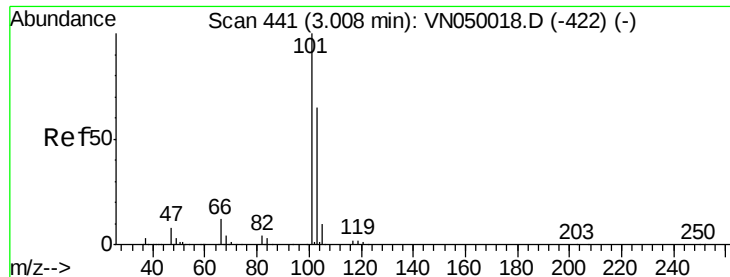
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Time-->





#7

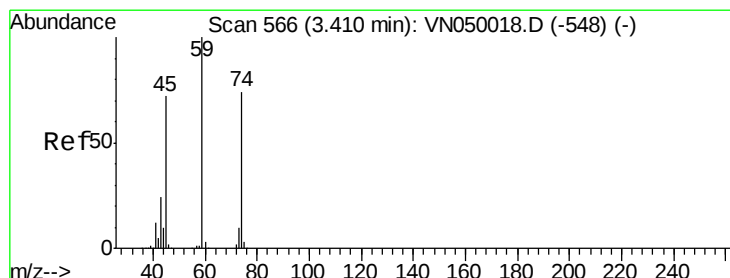
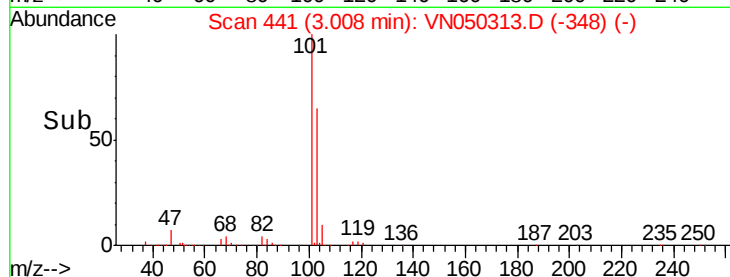
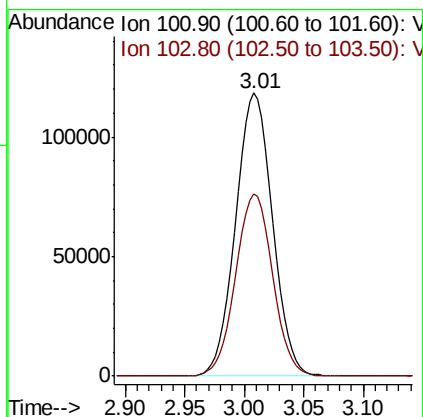
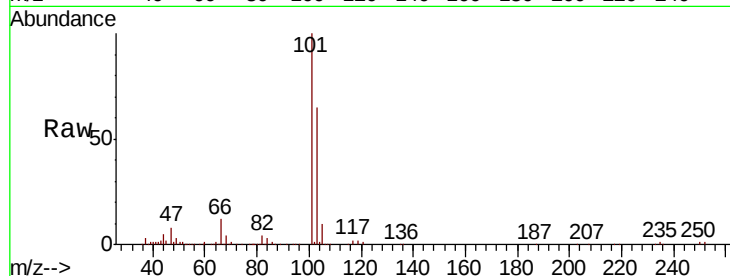
Trichlorofluoromethane
 Concen: 19.84 ug/l
 RT: 3.01 min Scan# 441
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
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 VN0803WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	51.7	77.5

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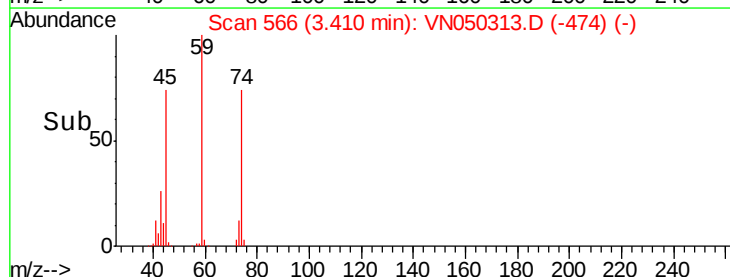
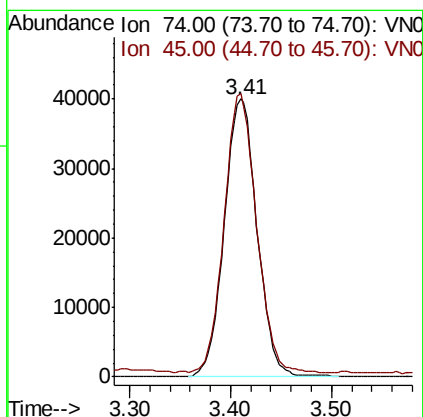
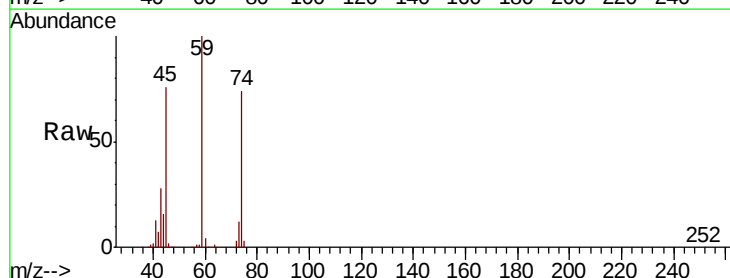
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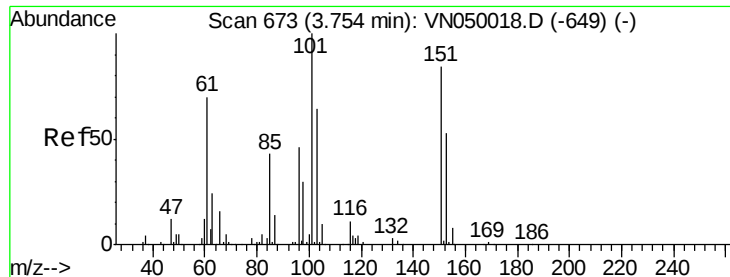


#8

Diethyl Ether
 Concen: 21.20 ug/l
 RT: 3.41 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.93 ug/l

RT: 3.75 min Scan# 672

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

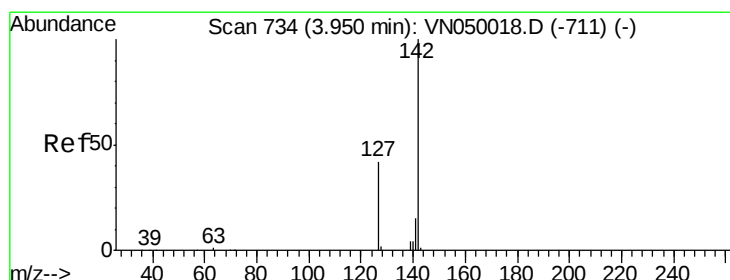
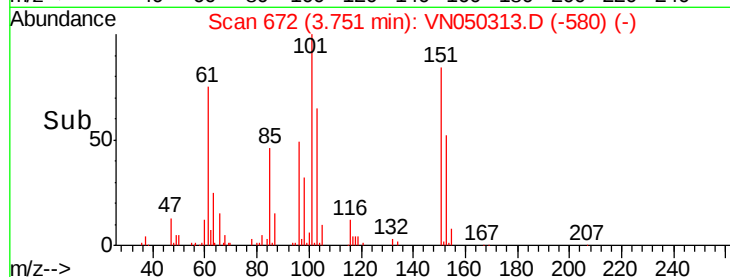
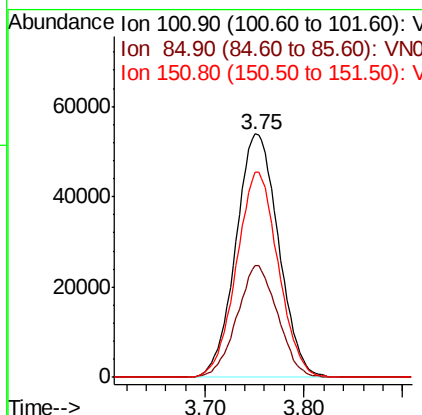
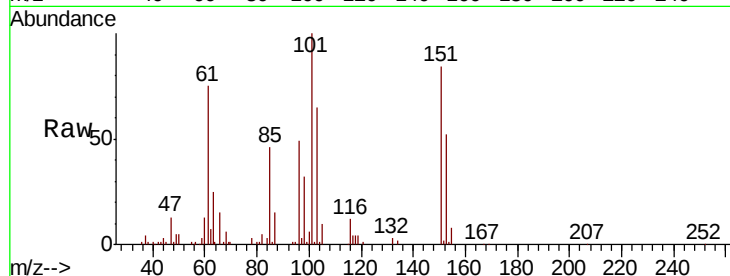
ClientSampleId :

VN0803WBS02

Tot Ion:	101	Resp:	161468
Ion Ratio	Lower	Upper	
101	100		
85	43.9	34.2	51.2
151	82.5	66.3	99.5

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8/6/2018 11:38:28 AM



#10

Methyl Iodide

Concen: 7.26 ug/l

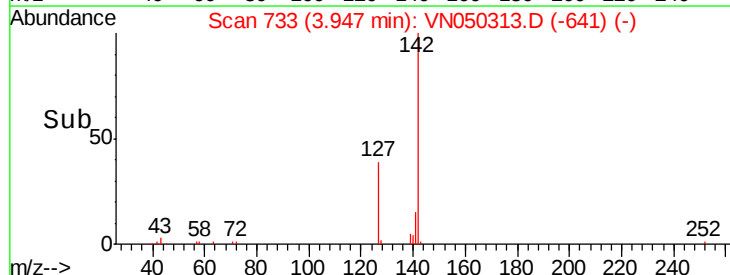
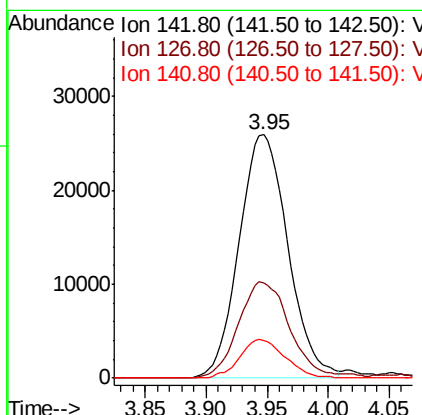
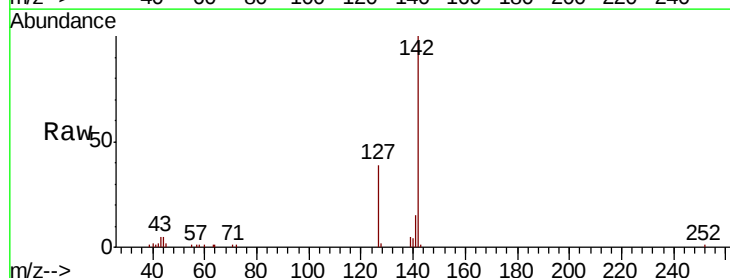
RT: 3.95 min Scan# 733

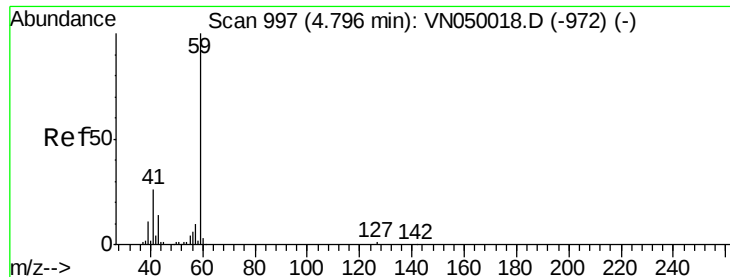
Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion:	142	Resp:	71919
Ion Ratio	Lower	Upper	
142	100		
127	41.4	33.4	50.2
141	14.8	11.6	17.4





#11

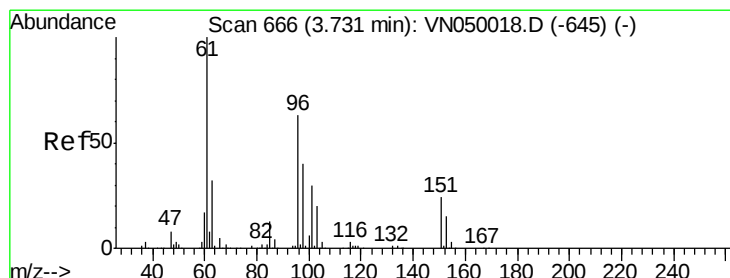
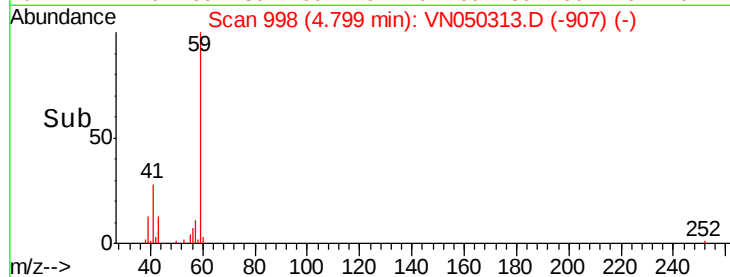
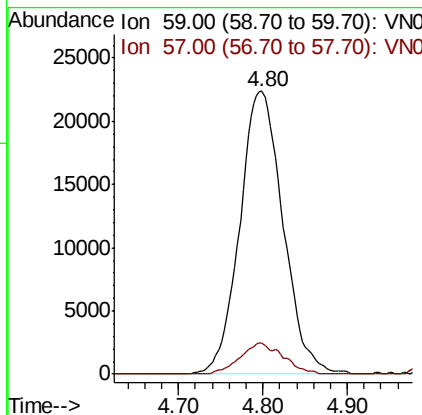
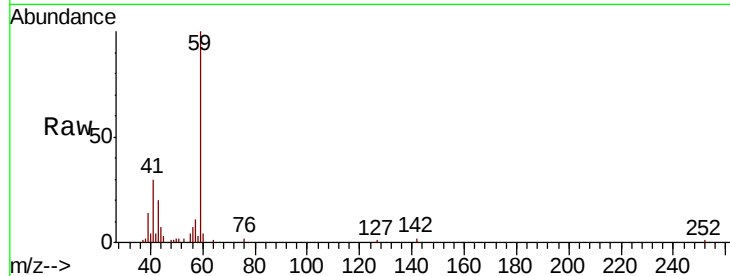
Tert butyl alcohol
 Concen: 129.02 ug/l
 RT: 4.80 min Scan# 998
 Delta R.T. -0.01 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.0	8.5	12.7

Manual Integrations
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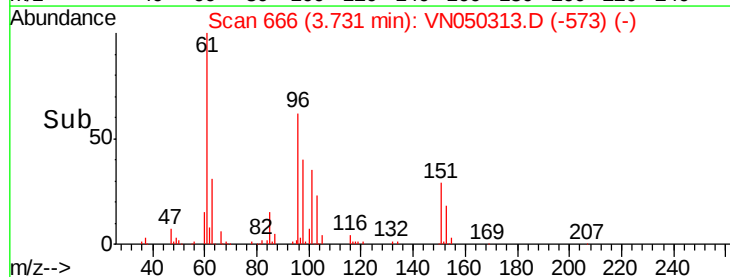
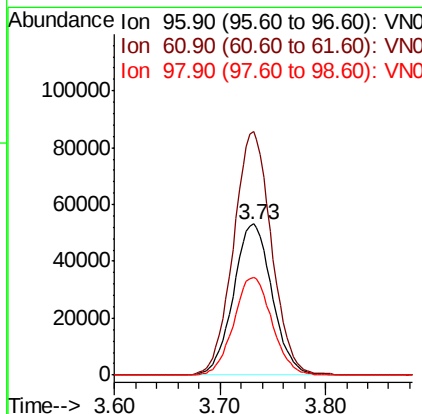
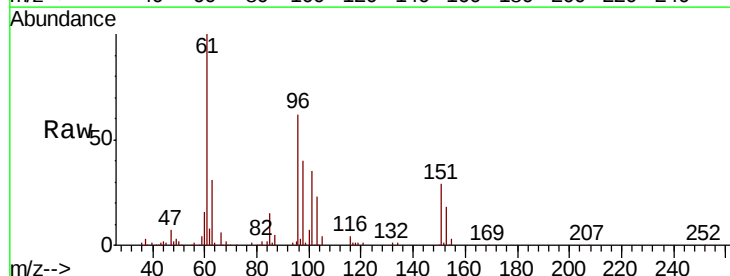
MMDadoda
 8/6/2018 11:38:28 AM

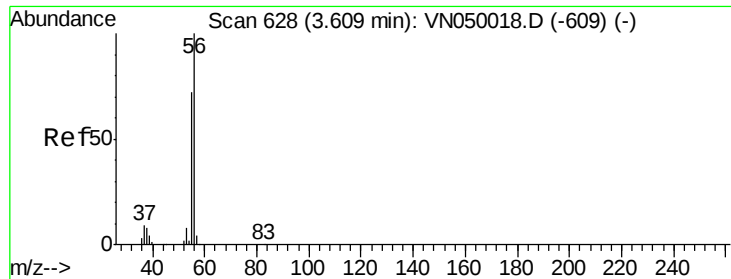


#12

1,1-Dichloroethene
 Concen: 19.48 ug/l
 RT: 3.73 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.3	124.4	186.6
98	65.0	48.3	72.5





#13

Acrolein

Concen: 160.76 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

Tot Ion: 56 Resp: 79830

Ion Ratio Lower Upper

56 100

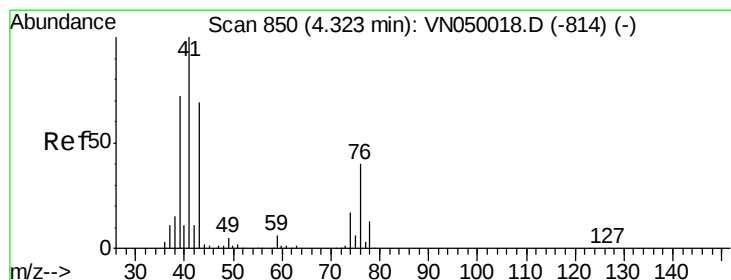
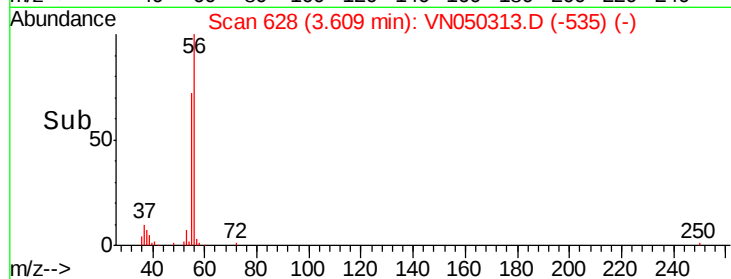
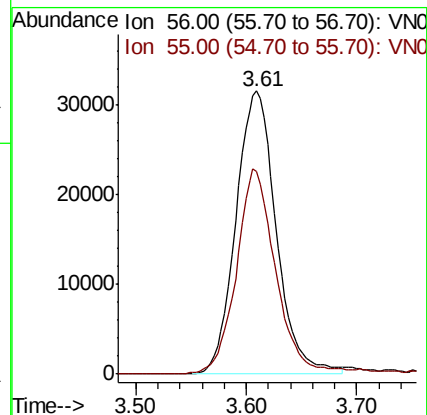
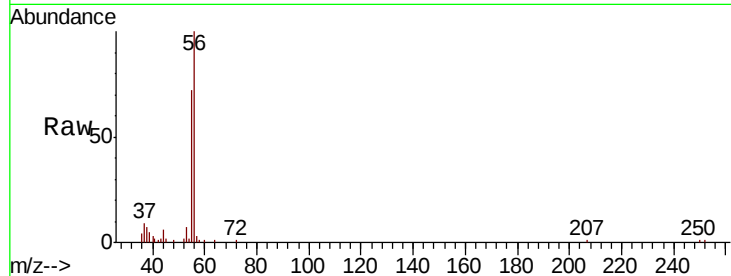
55 70.6 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.11 ug/l

RT: 4.32 min Scan# 849

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

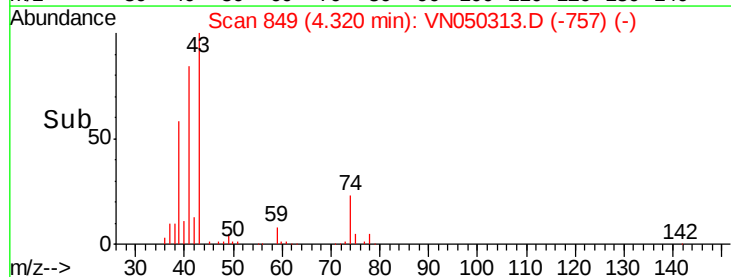
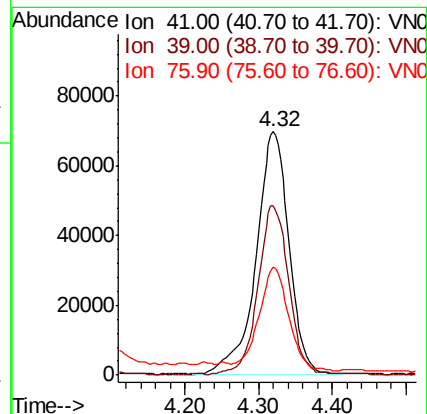
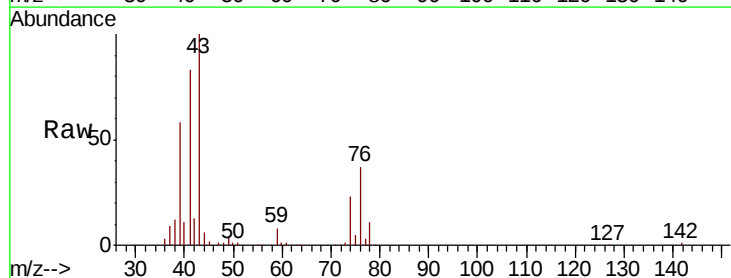
Tgt Ion: 41 Resp: 216371

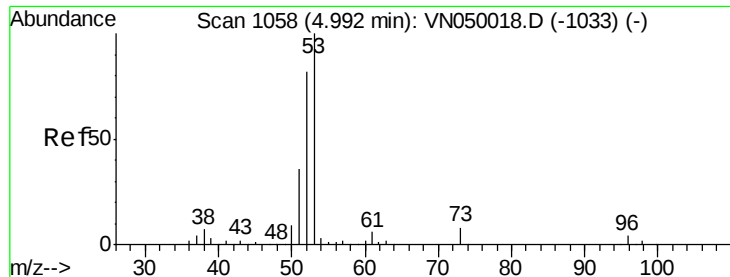
Ion Ratio Lower Upper

41 100

39 64.6 54.2 81.4

76 38.6 29.0 43.6





#15

Acrylonitrile

Concen: 114.58 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

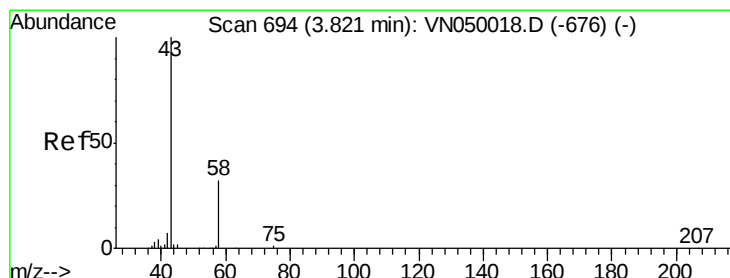
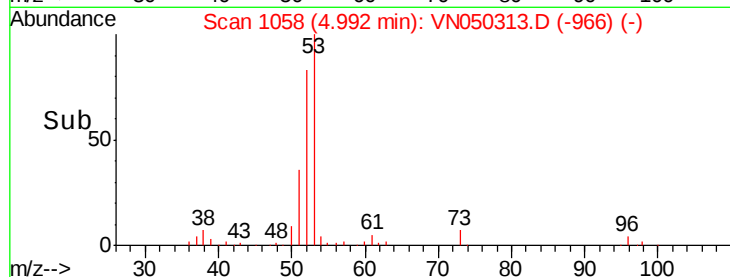
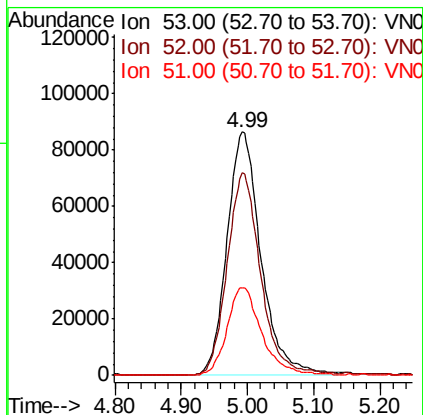
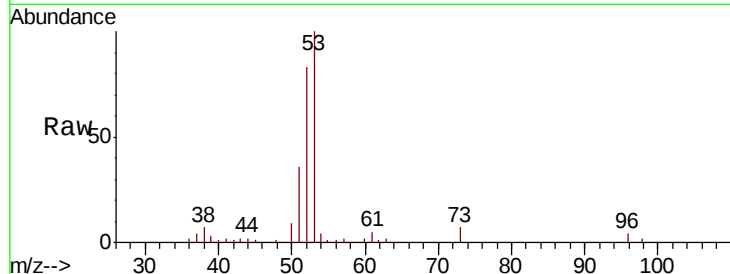
ClientSampleId :

VN0803WBS02

Tot Ion:	53	Resp:	308966
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.2
51	36.7	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 144.21 ug/l

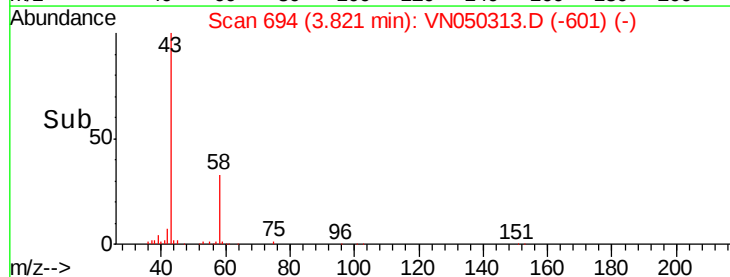
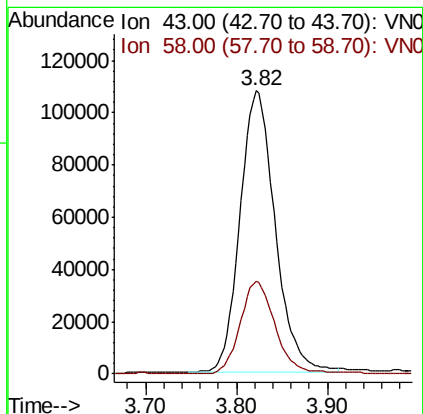
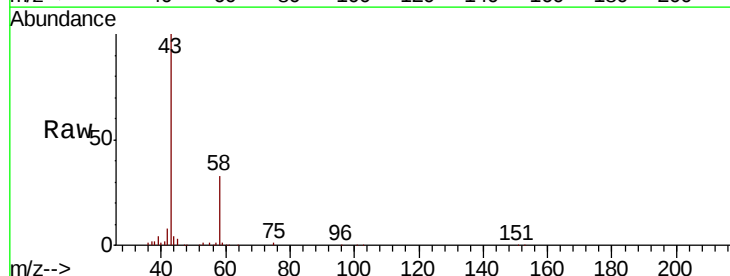
RT: 3.82 min Scan# 694

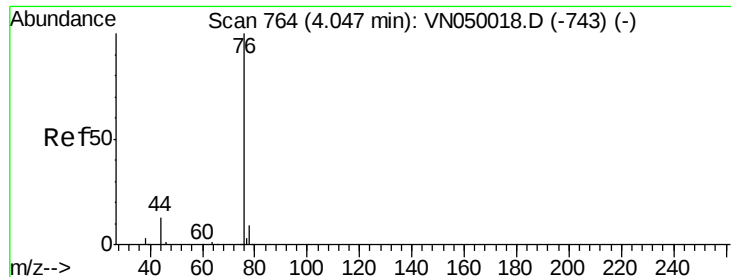
Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion:	43	Resp:	288973
Ion	Ratio	Lower	Upper
43	100		
58	32.8	25.8	38.8





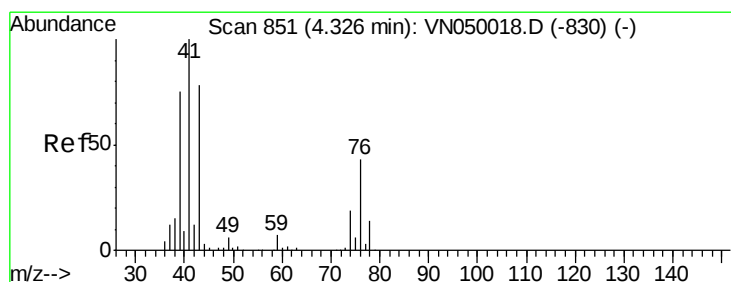
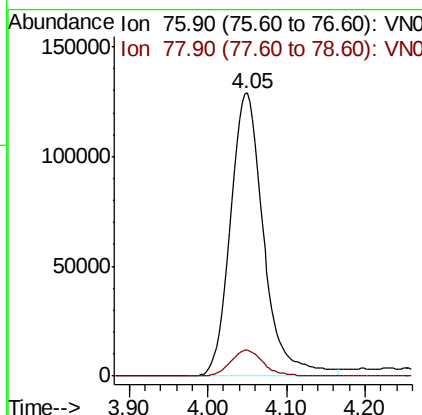
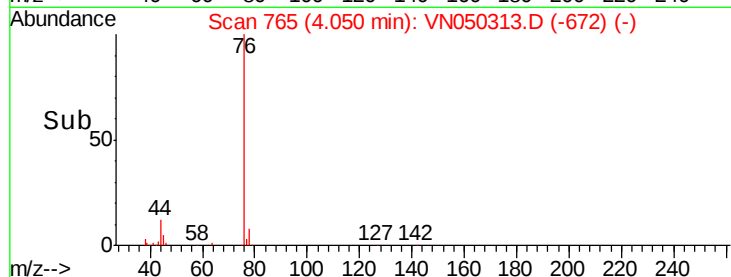
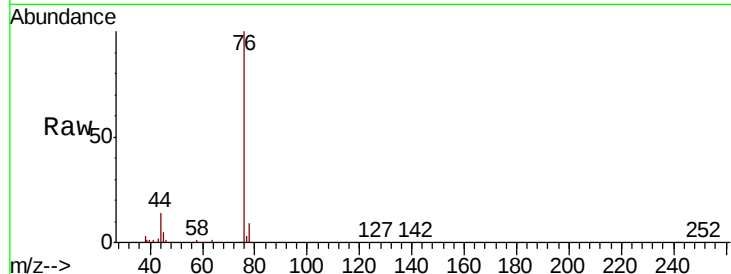
#17
Carbon Disulfide
Concen: 17.92 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

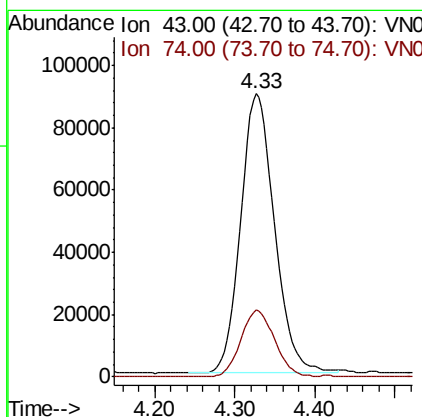
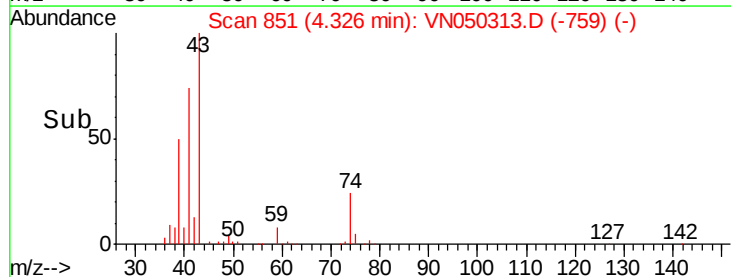
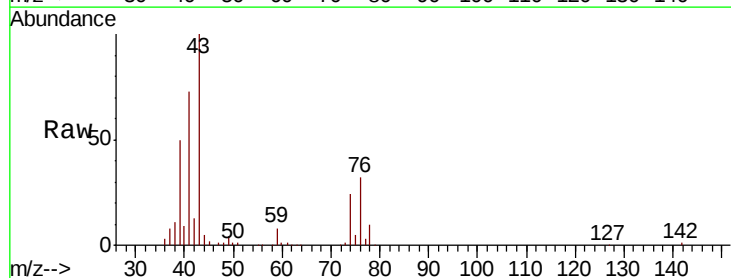
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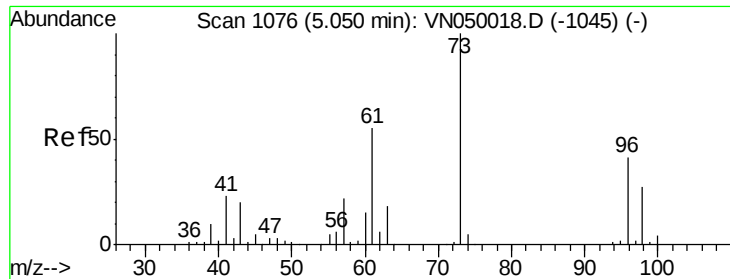
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#18
Methyl Acetate
Concen: 32.96 ug/l
RT: 4.33 min Scan# 851
Delta R.T. -0.01 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.2	28.8





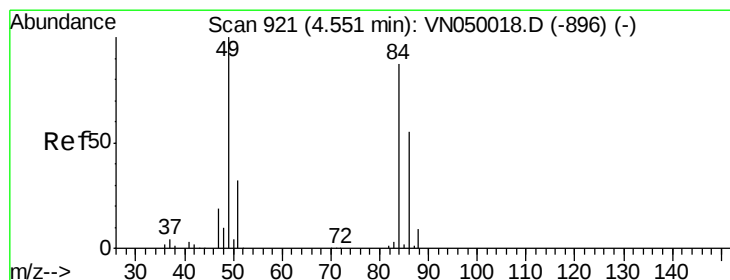
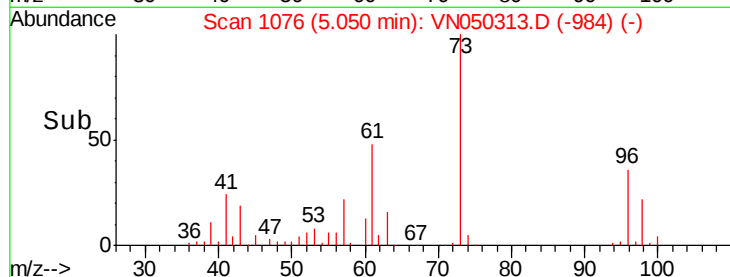
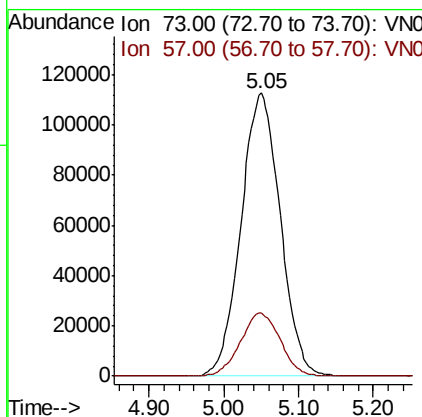
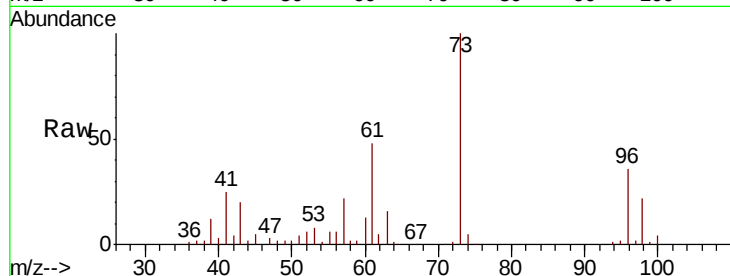
#19
Methyl tert-butyl Ether
Concen: 22.24 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	73	Resp	411239
Ion Ratio	100	Lower	Upper
57	22.3	18.0	27.0

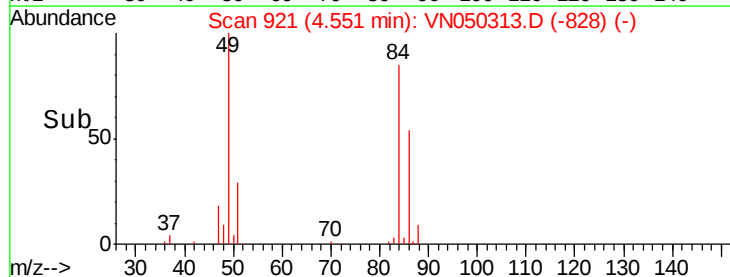
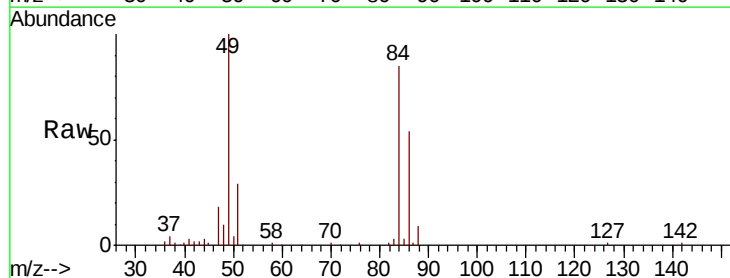
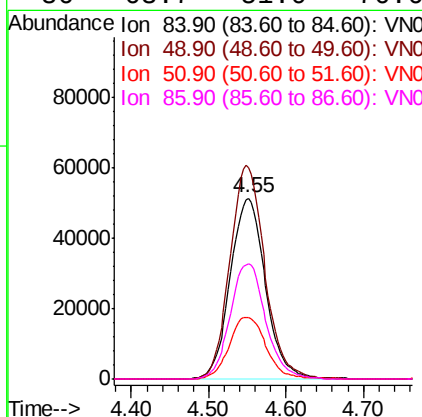
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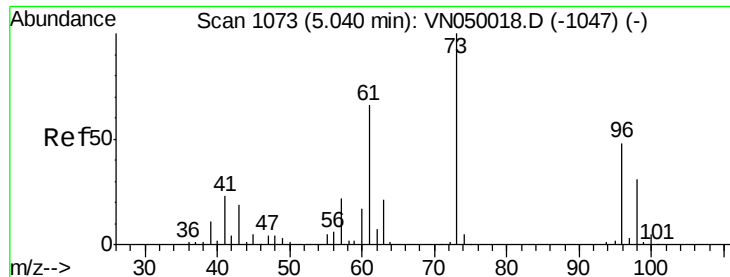
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8/6/2018 11:38:28 AM



#20
Methylene Chloride
Concen: 21.10 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	84	Resp	162567
Ion Ratio	100	Lower	Upper
49	117.1	94.8	142.2
51	33.9	28.3	42.5
86	63.7	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 19.68 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

Tot Ion: 96 Resp: 144729

Ion Ratio Lower Upper

96 100

61 133.5 110.7 166.1

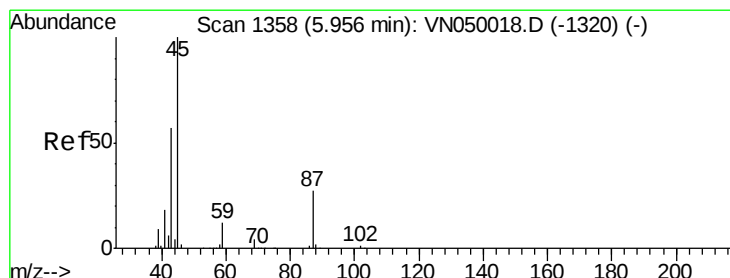
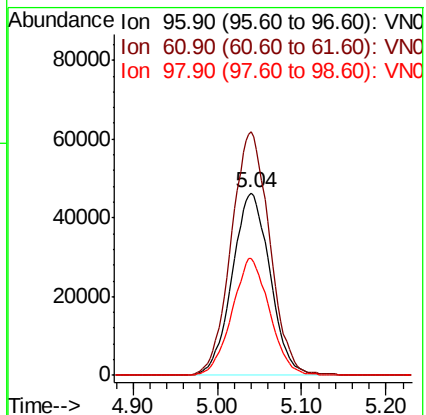
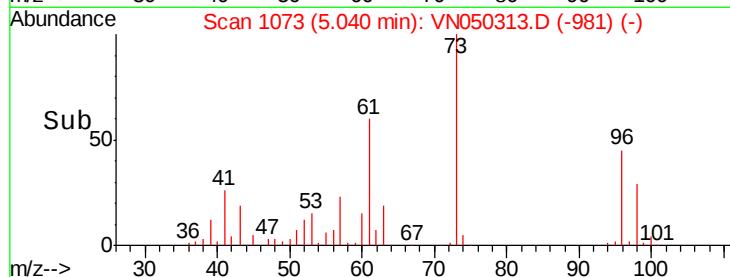
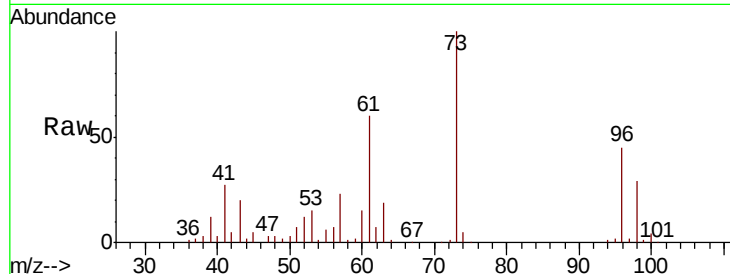
98 64.3 51.6 77.4

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#22

Diisopropyl ether

Concen: 22.35 ug/l

RT: 5.96 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion: 45 Resp: 476799

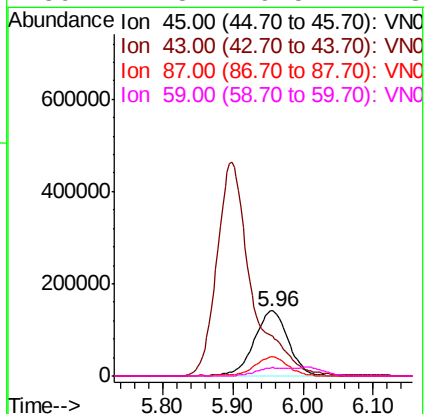
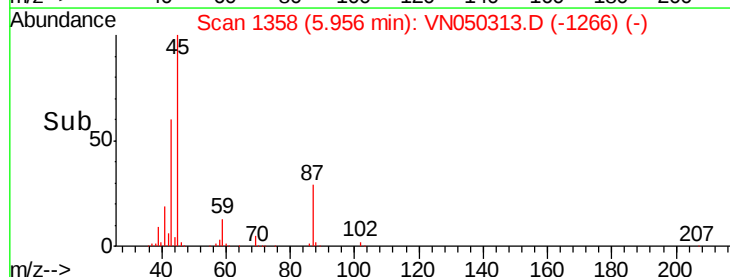
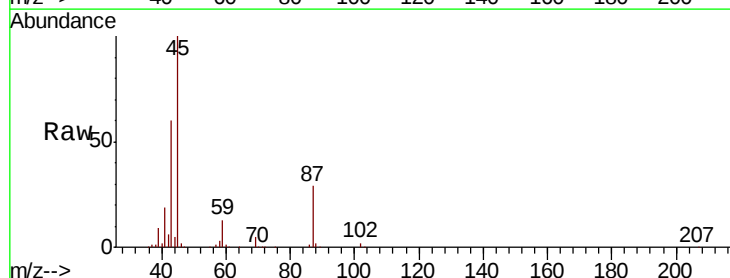
Ion Ratio Lower Upper

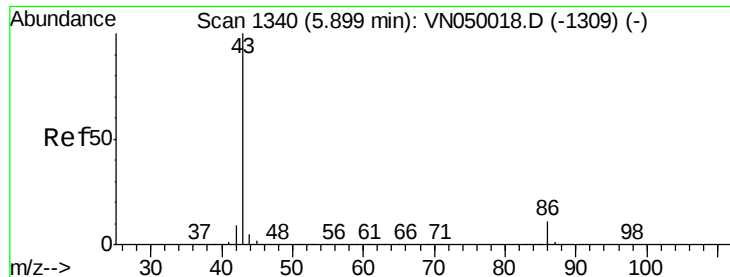
45 100

43 58.4 45.7 68.5

87 29.4 22.7 34.1

59 12.8 9.5 14.3





#23

Vinyl Acetate

Concen: 105.39 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

Tot Ion: 43 Resp: 1588919

Ion Ratio Lower Upper

43 100

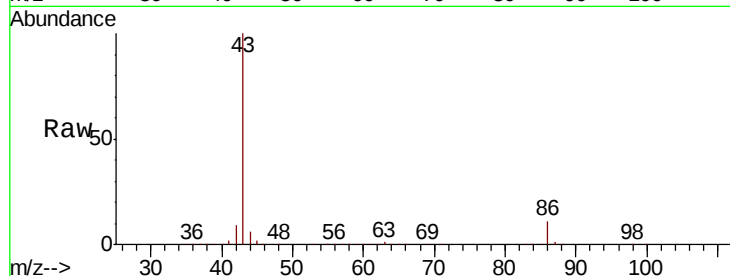
86 10.6 8.6 13.0

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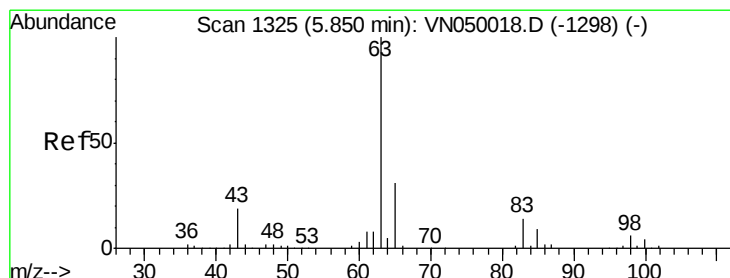
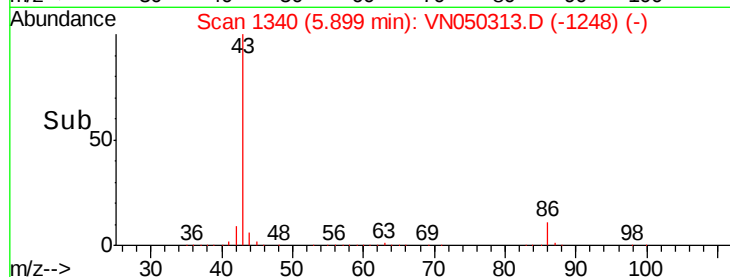
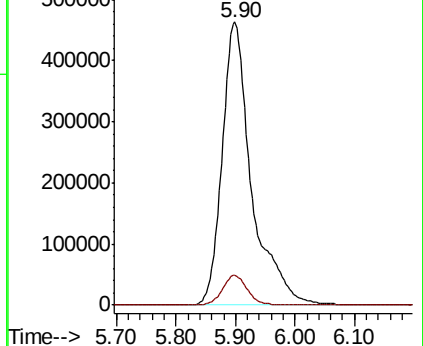
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 20.67 ug/l

RT: 5.85 min Scan# 1324

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

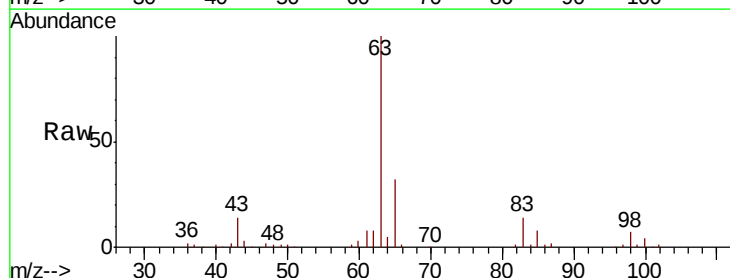
Tgt Ion: 63 Resp: 288324

Ion Ratio Lower Upper

63 100

98 6.9 3.3 9.8

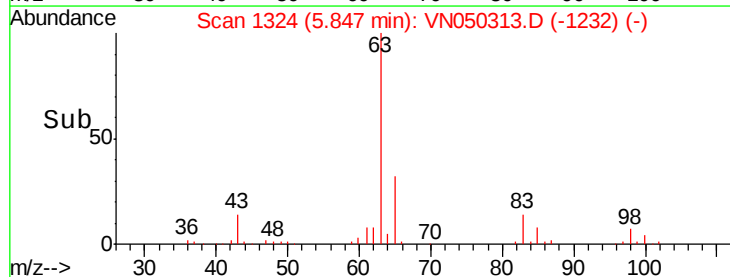
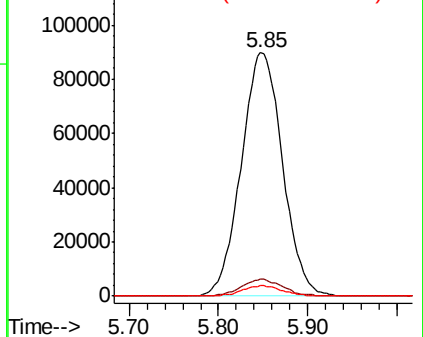
100 4.2 2.1 6.3

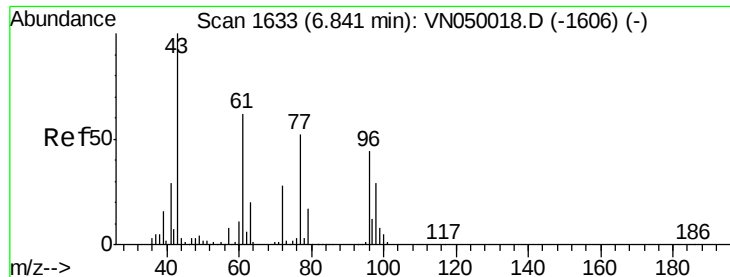


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





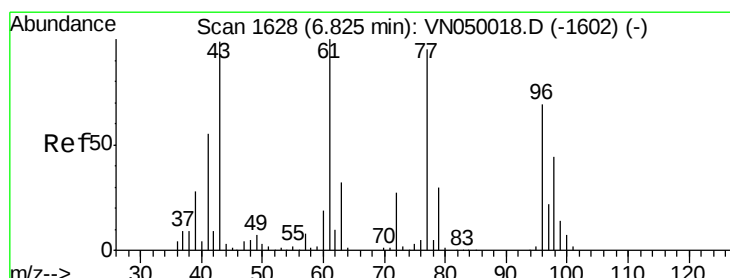
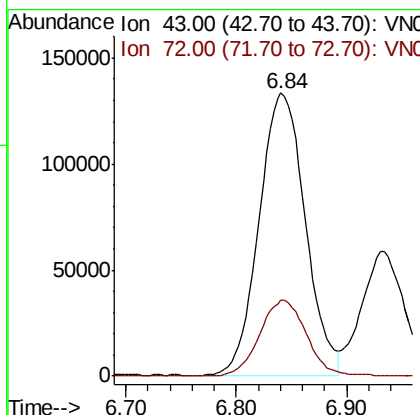
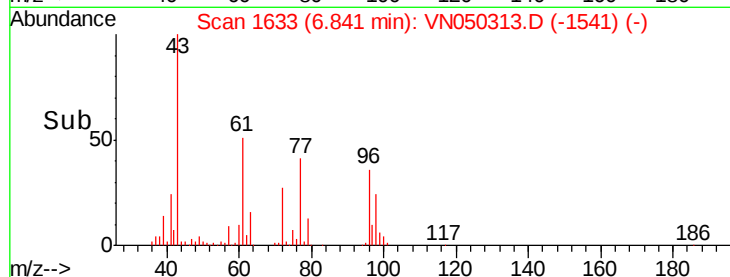
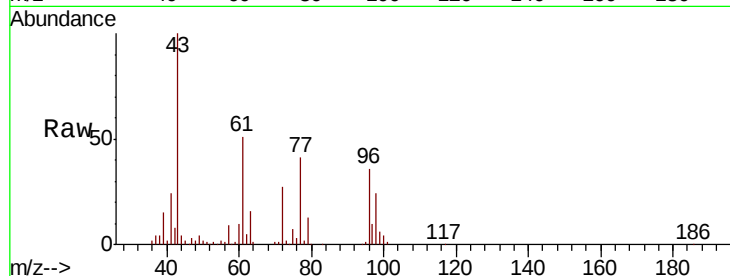
#25
2-Butanone
Concen: 120.50 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

Tot Ion: 43 Resp: 386076
Ion Ratio Lower Upper
43 100
72 26.8 21.5 32.3

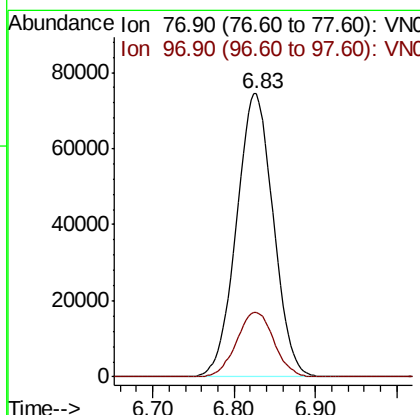
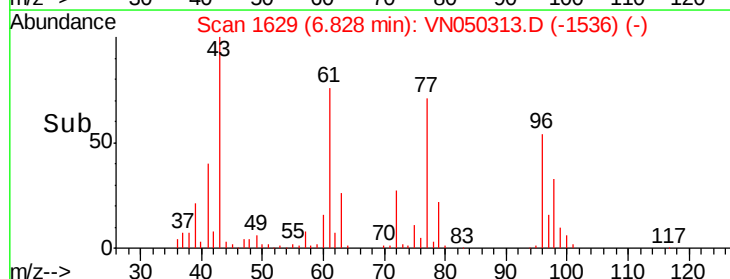
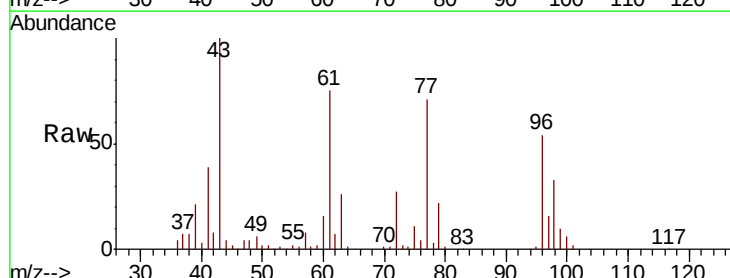
Manual Integrations
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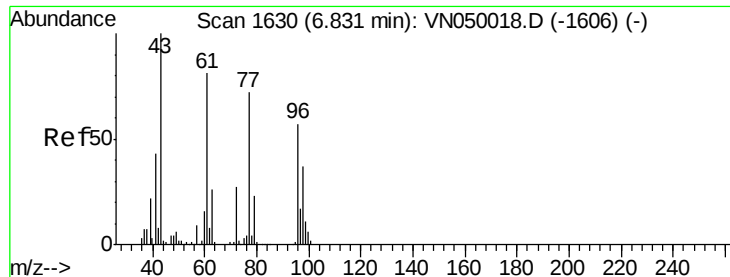
MMDadoda
8/6/2018 11:38:28 AM



#26
2,2-Dichloropropane
Concen: 21.92 ug/l
RT: 6.83 min Scan# 1629
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion: 77 Resp: 232609
Ion Ratio Lower Upper
77 100
97 23.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 20.90 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

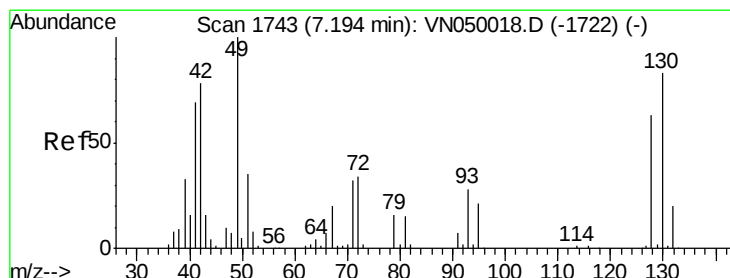
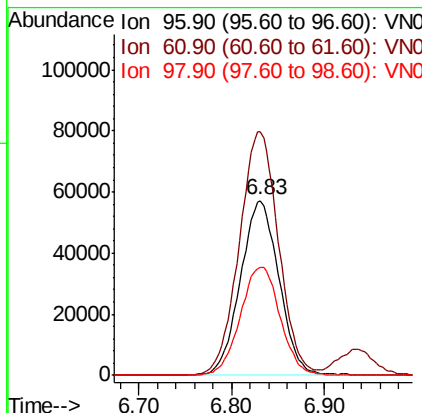
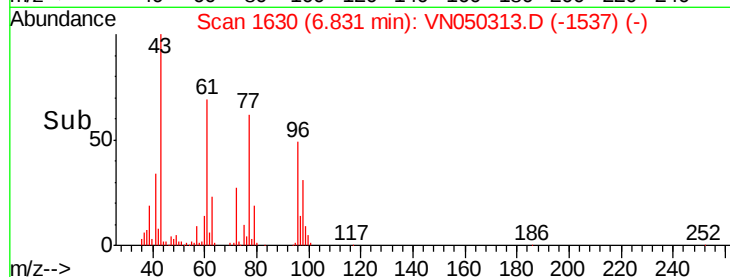
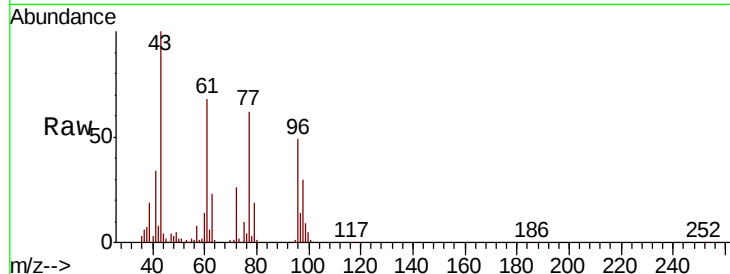
ClientSampled :

VN0803WBS02

Tot Ion:	96	Resp:	165442
Ion Ratio	Lower	Upper	
96	100		
61	141.8	0.0	285.0
98	64.0	0.0	129.2

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#28

Bromochloromethane

Concen: 20.29 ug/l

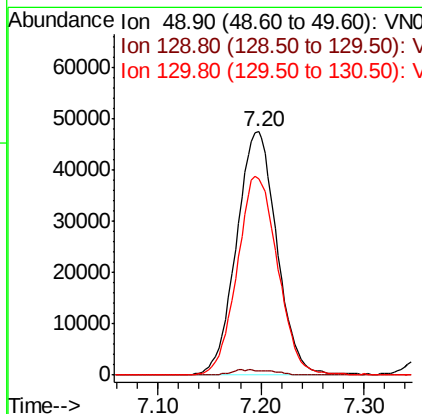
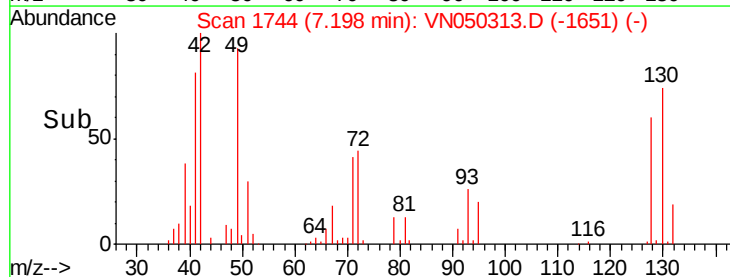
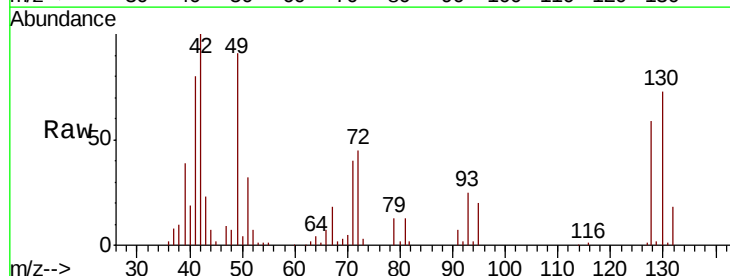
RT: 7.20 min Scan# 1744

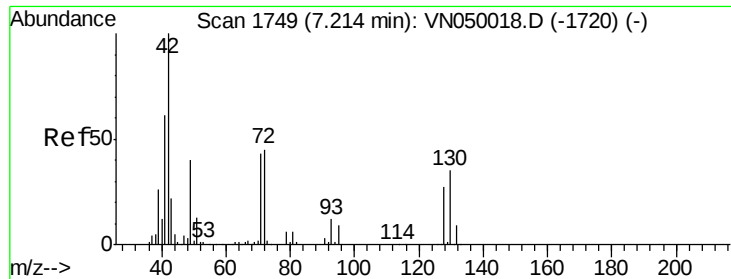
Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion:	49	Resp:	129091
Ion Ratio	Lower	Upper	
49	100		
129	0.8	0.0	4.0
130	82.0	66.3	99.5





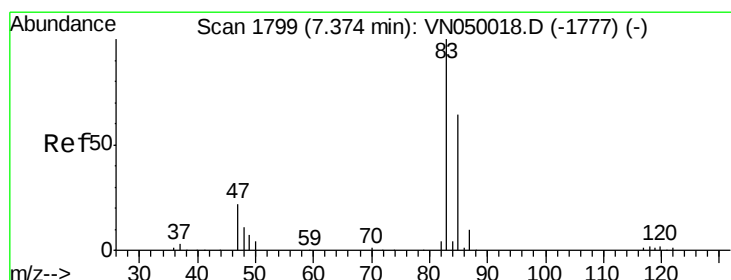
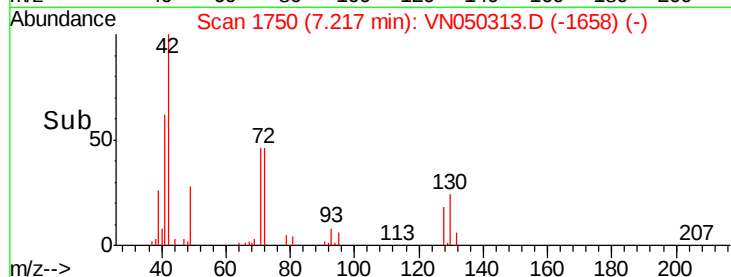
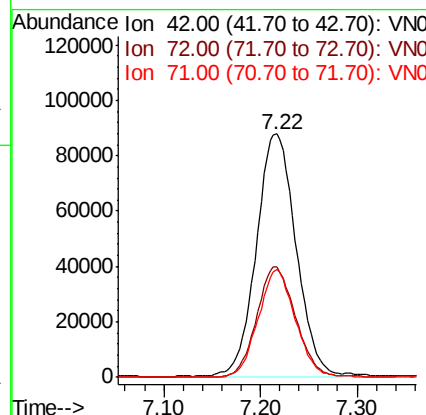
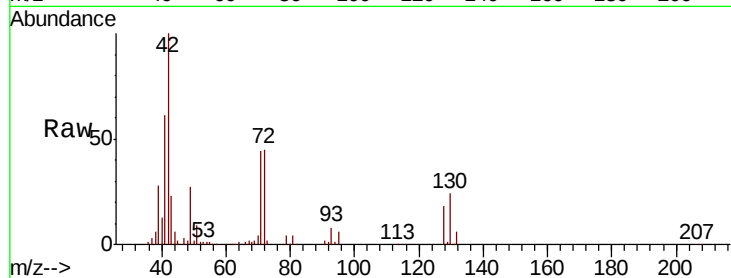
#29
Tetrahydrofuran
Concen: 120.05 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	35.9	53.9
71	41.9	33.7	50.5

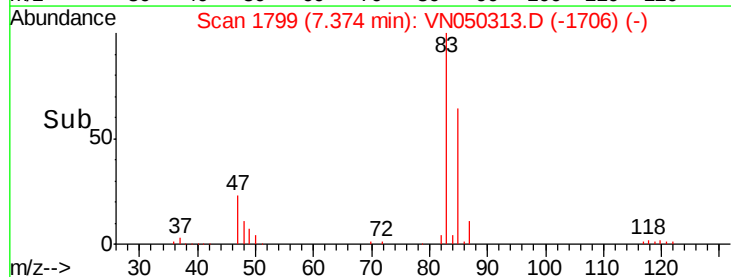
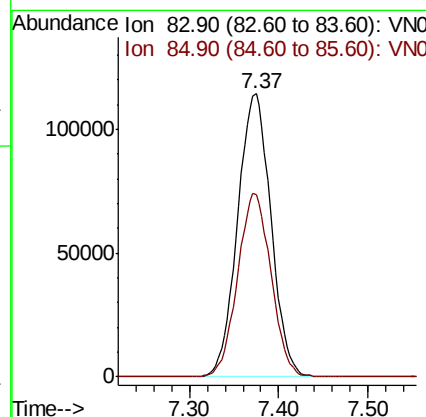
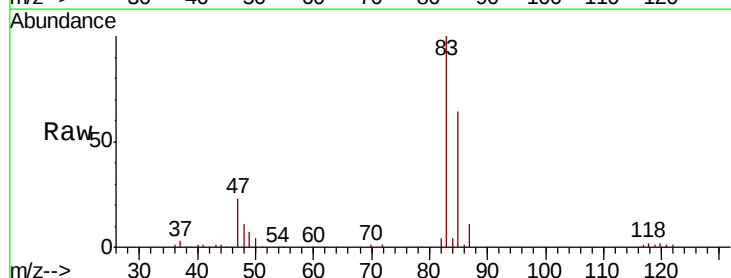
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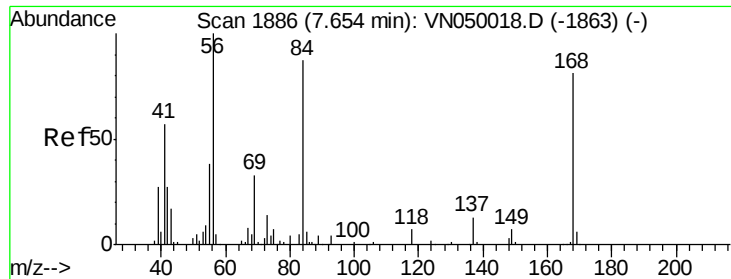
MMDadoda
8/6/2018 11:38:28 AM



#30
Chloroform
Concen: 20.90 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	52.5	78.7





#31

Cyclohexane

Concen: 19.17 ug/l

RT: 7.65 min Scan# 1886

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

Tot Ion: 56 Resp: 222227

Ion Ratio Lower Upper

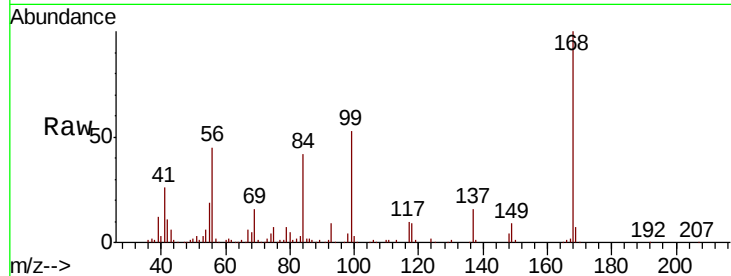
56 100

69 36.9 26.2 39.4

84 93.1 67.4 101.0

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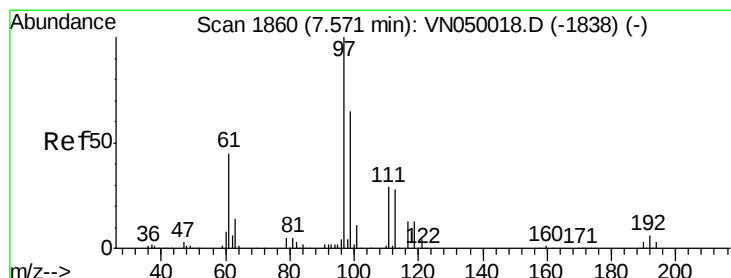
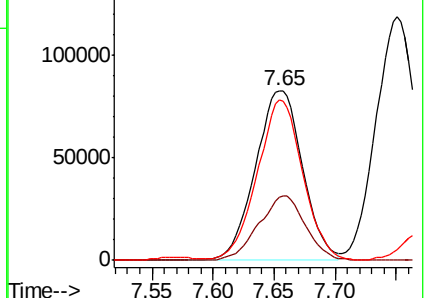
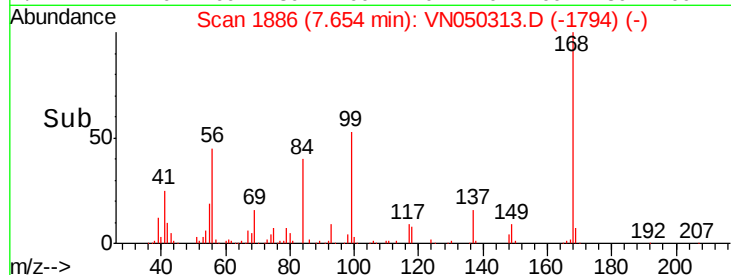
MMDadoda
8/6/2018 11:38:28 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.49 ug/l

RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

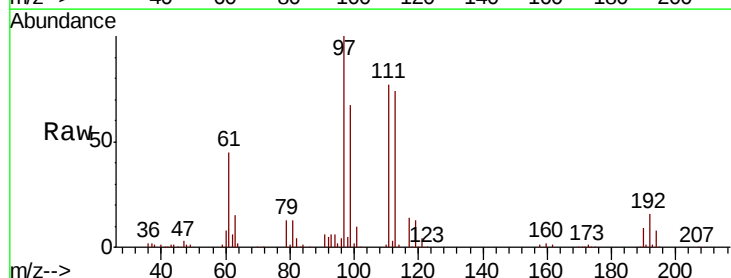
Tgt Ion: 97 Resp: 249487

Ion Ratio Lower Upper

97 100

99 64.9 51.4 77.0

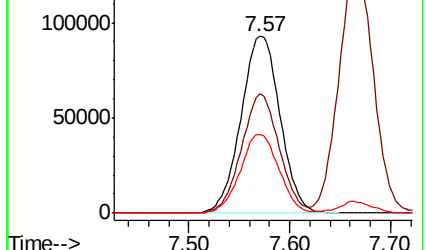
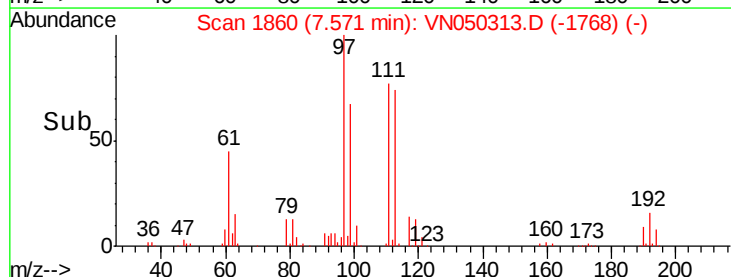
61 44.1 35.4 53.0

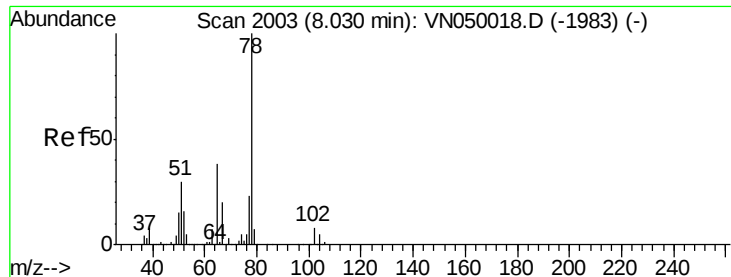


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





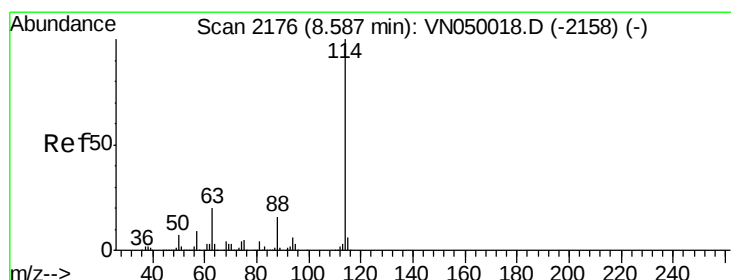
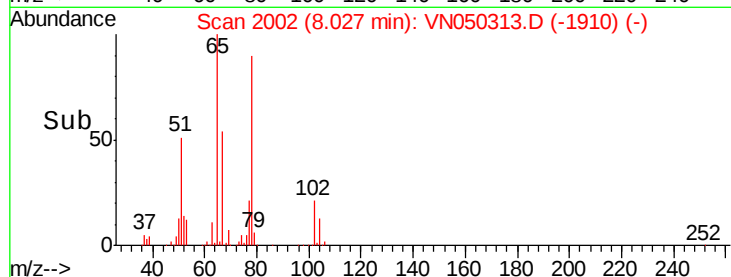
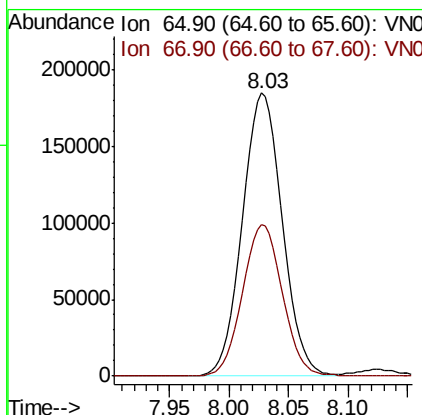
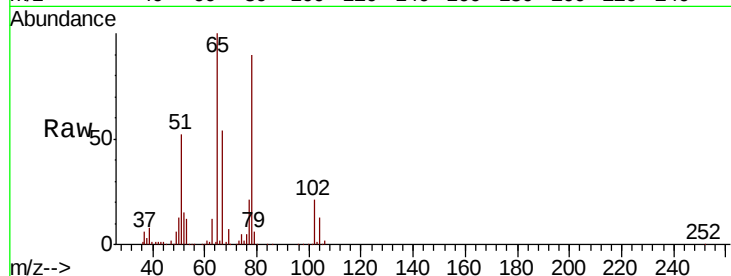
#33
 1,2-Dichloroethane-d4
 Concen: 51.17 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.6	0.0	108.4	

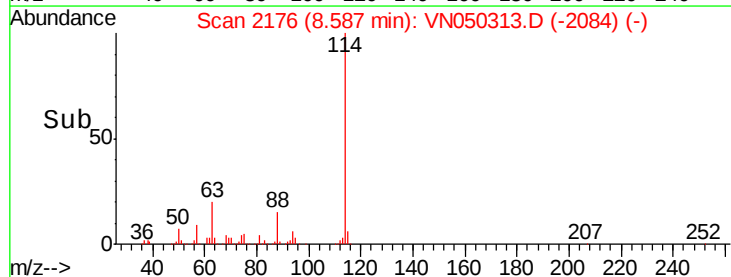
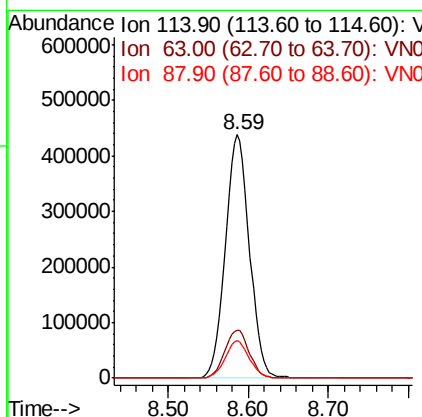
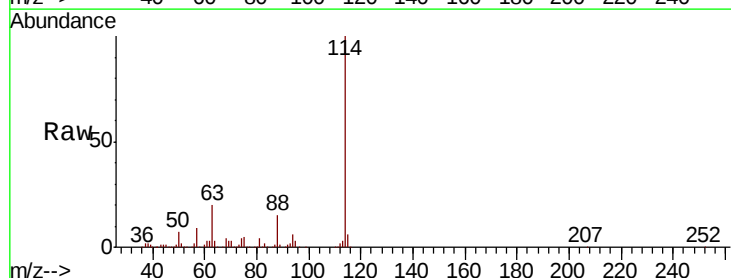
Manual Integrations
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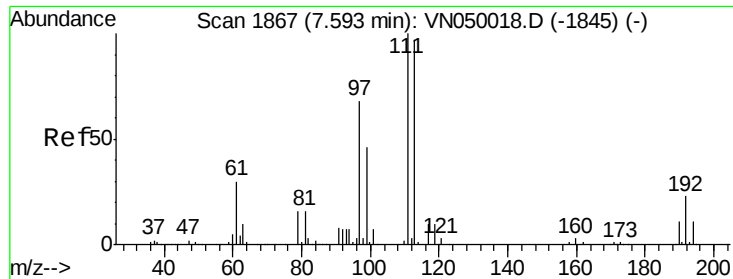
MMDadoda
 8/6/2018 11:38:28 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	40.0	
88	15.2	0.0	31.2	





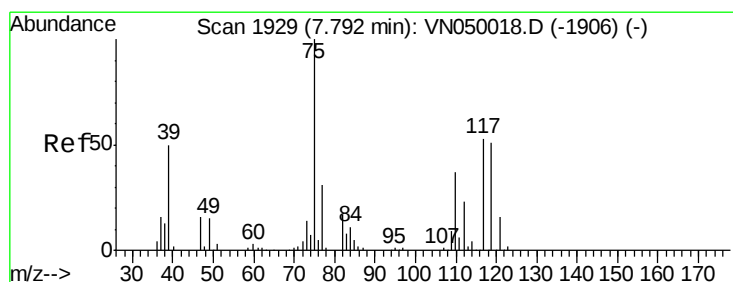
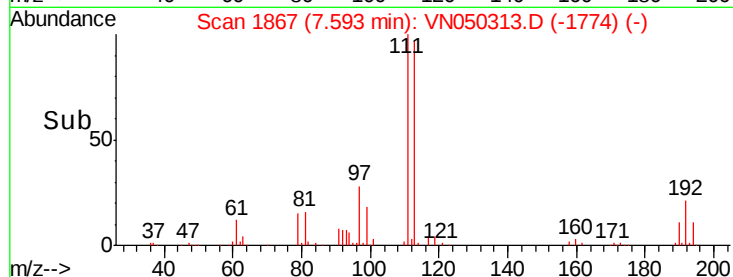
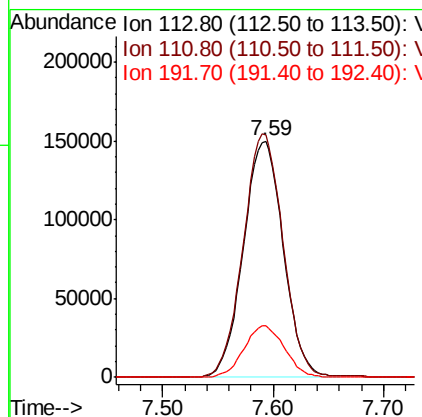
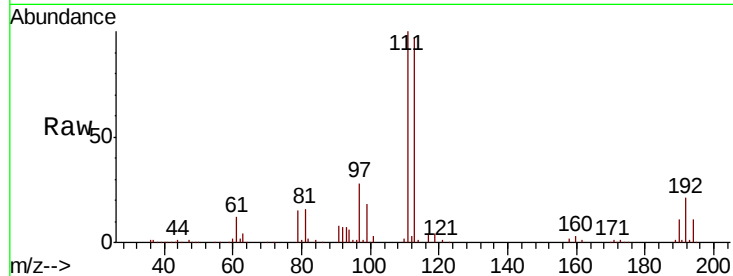
#35
Dibromofluoromethane
Concen: 51.26 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	102.9	80.7	121.1	
192	22.1	17.8	26.6	

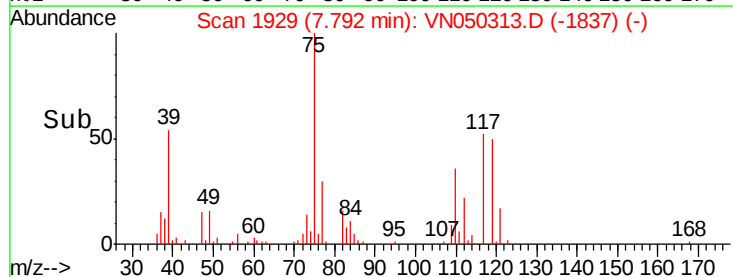
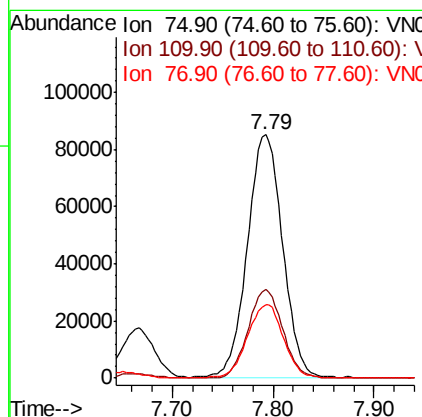
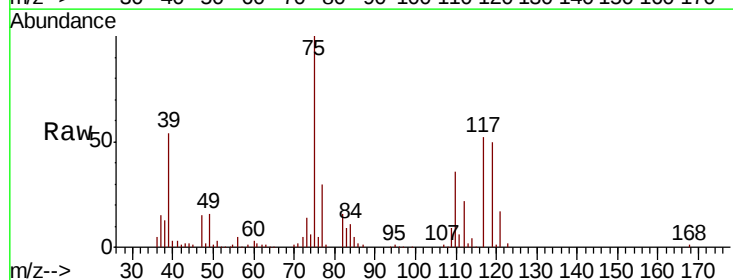
Manual Integrations
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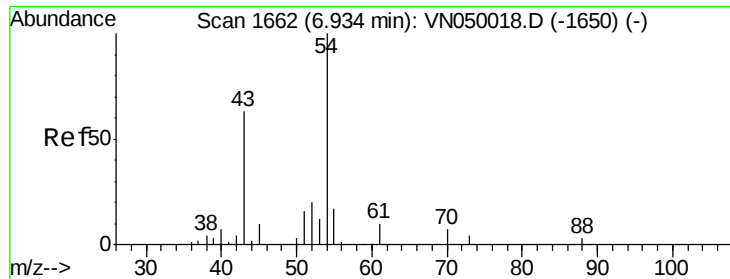
MMDadoda
8/6/2018 11:38:28 AM



#36
1,1-Dichloropropene
Concen: 20.24 ug/l
RT: 7.79 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.9	18.4	55.2	
77	31.1	25.3	37.9	





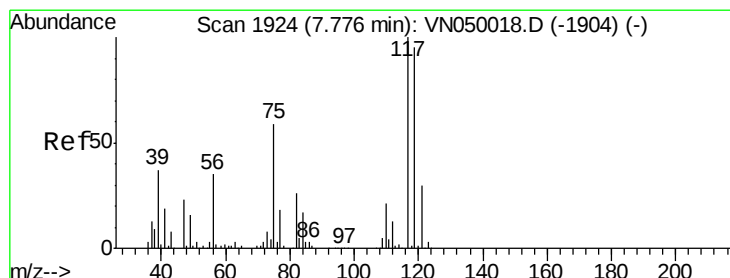
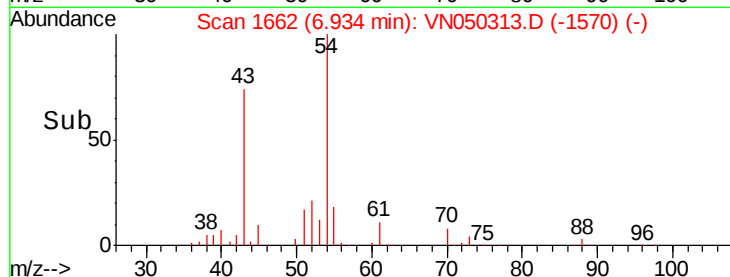
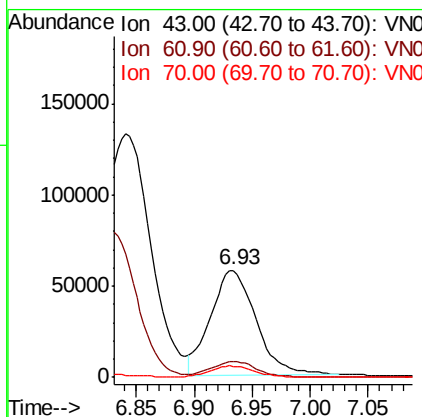
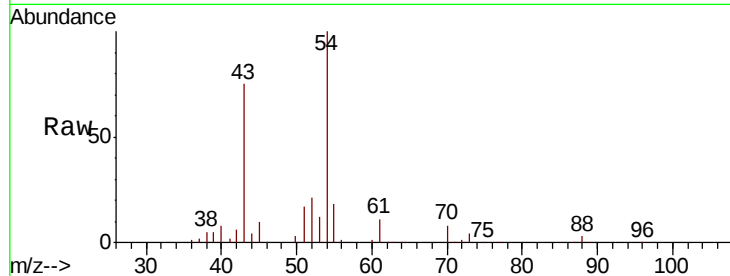
#37
Ethyl Acetate
Concen: 22.15 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	43	61	70
Resp	156680		
Ratio	100	15.5	10.7
Lower		11.8	8.4
Upper		17.8	12.6

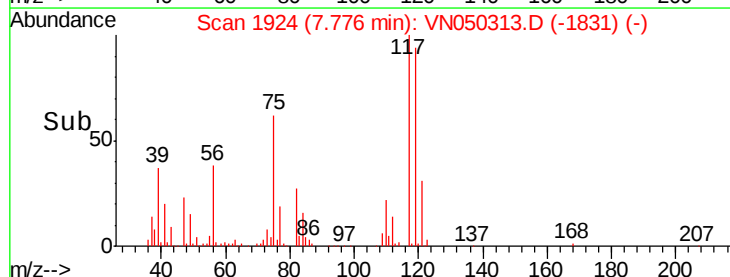
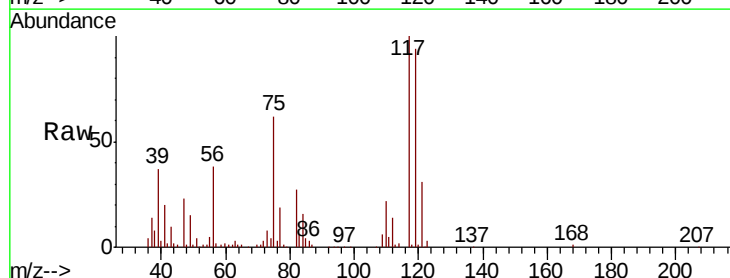
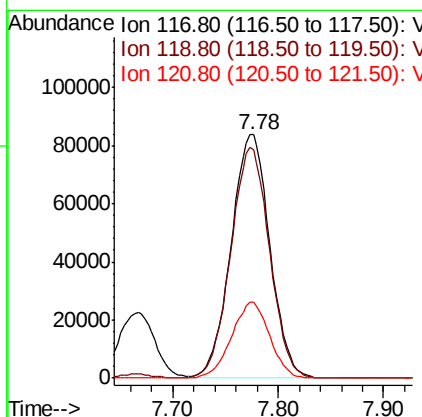
Manual Integrations
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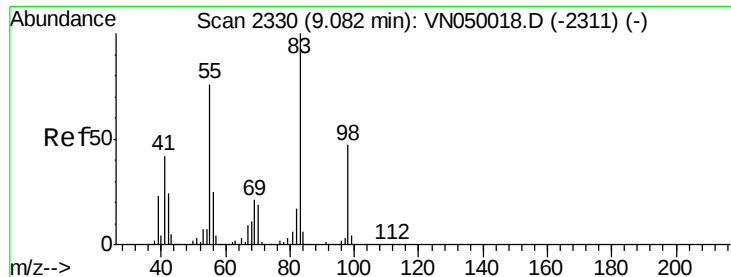
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.84 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	117	119	121
Resp	213598		
Ratio	100	93.6	31.2
Lower		77.4	23.9
Upper		116.0	35.9





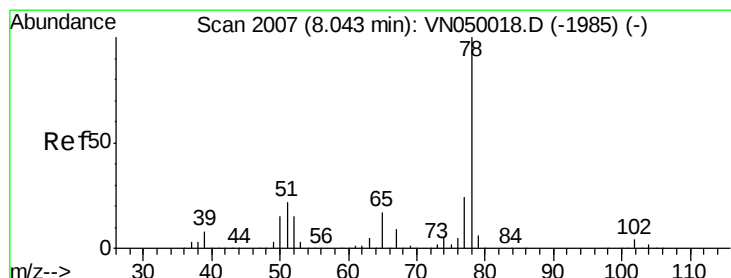
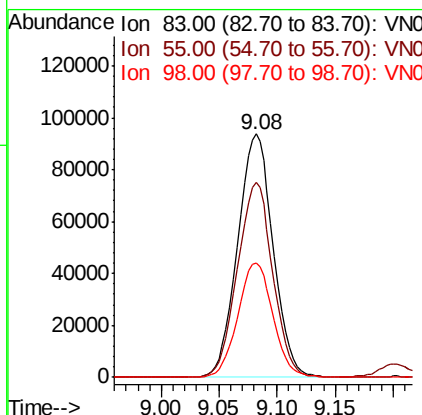
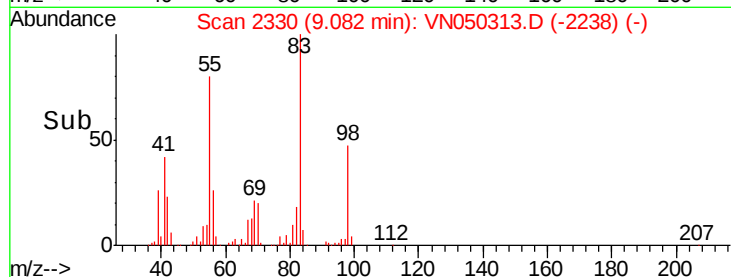
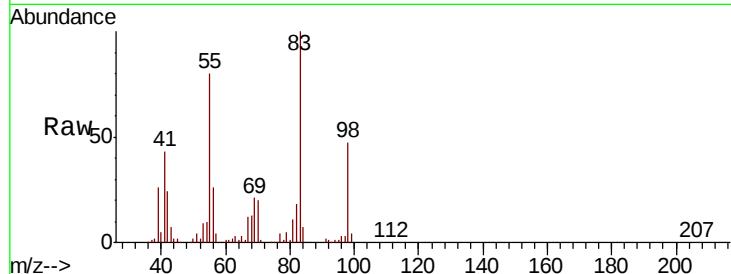
#39
Methvlcvclohexane
Concen: 19.05 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	61.8	92.8
98	47.0	36.5	54.7

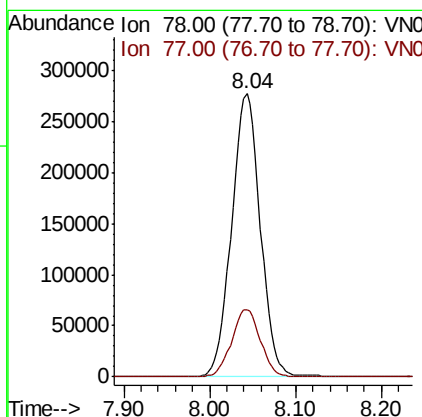
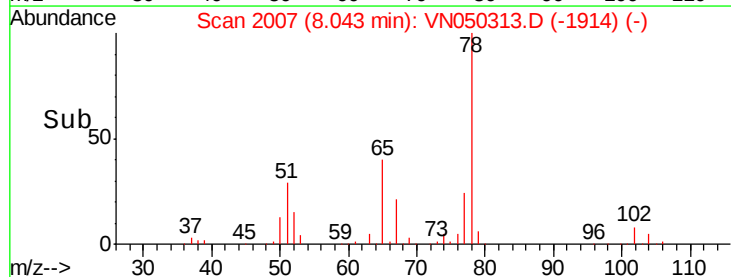
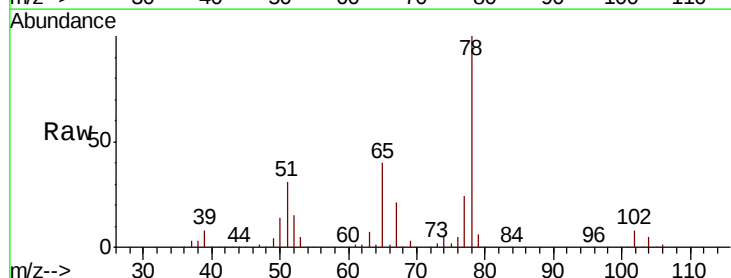
Manual Integrations
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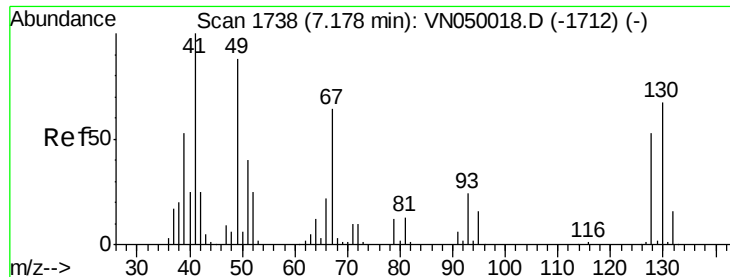
MMDadoda
8/6/2018 11:38:28 AM



#40
Benzene
Concen: 20.78 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.7	28.1





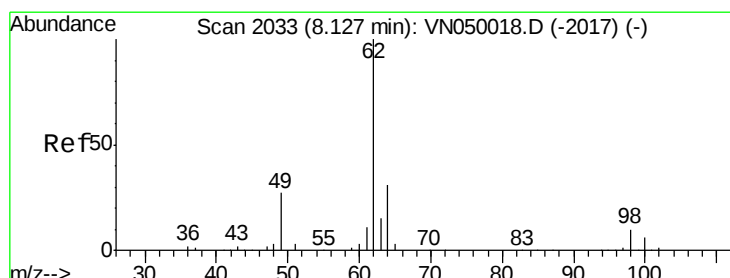
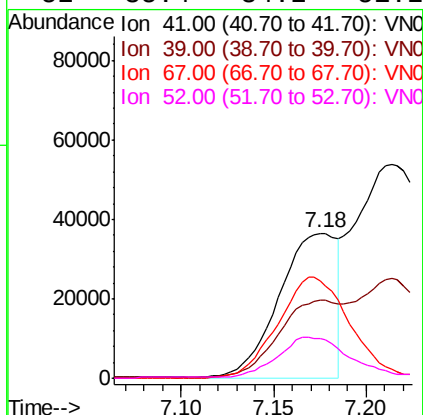
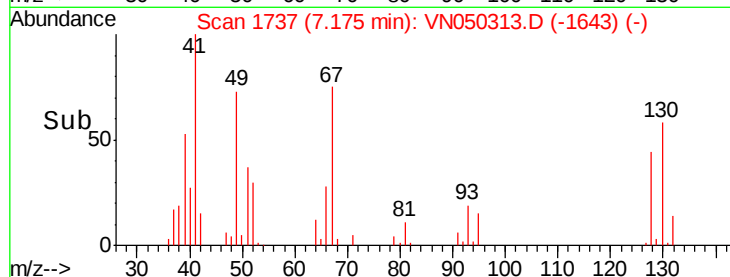
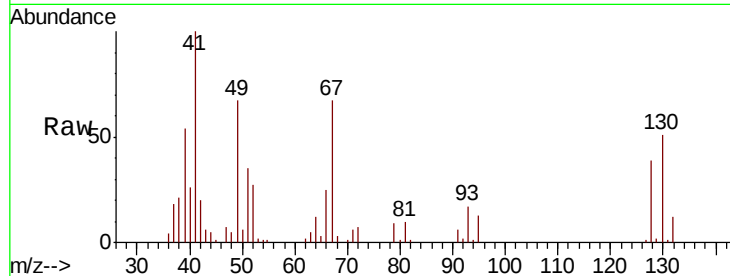
#41
Methacrylonitrile
Concen: 23.07 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	55.8	83.6#
67	87.9	84.3	126.5
52	35.4	34.2	51.2

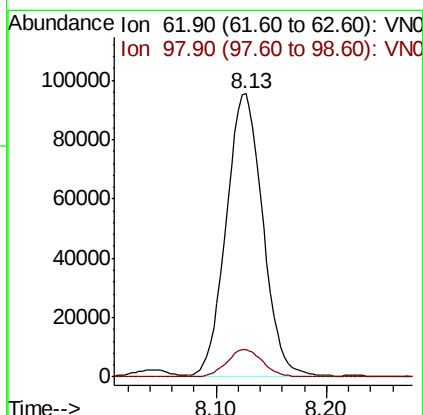
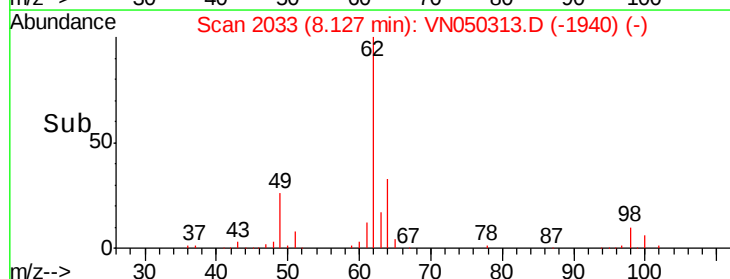
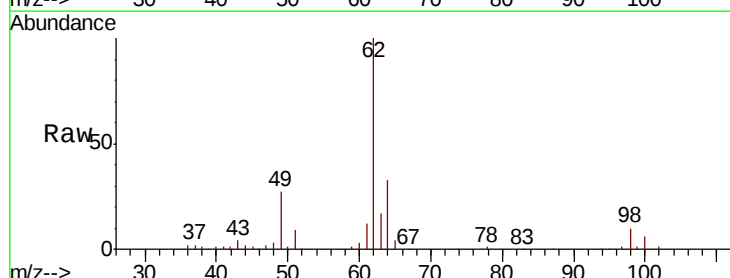
Manual Integrations
APPROVED

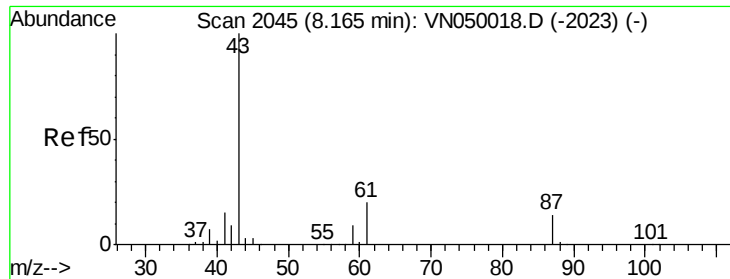
MMDadoda
8/6/2018 11:38:28 AM



#42
1,2-Dichloroethane
Concen: 21.23 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43

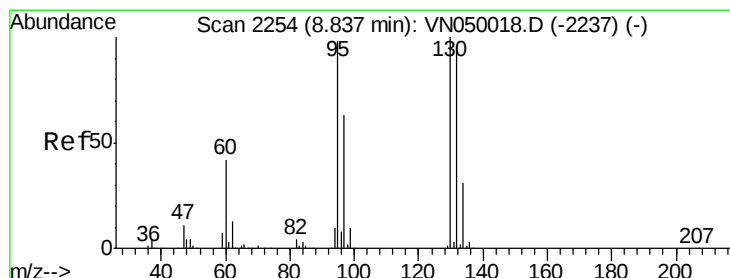
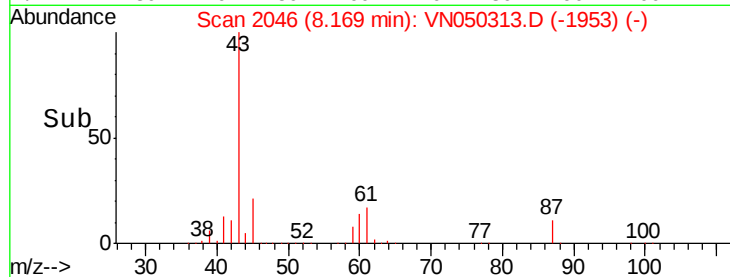
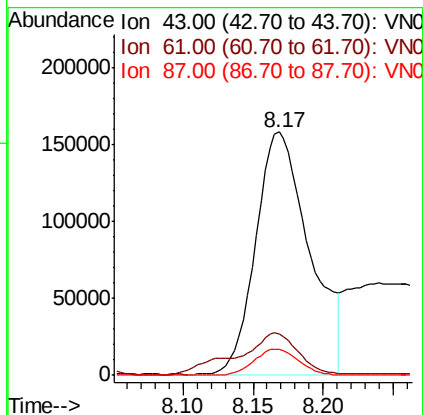
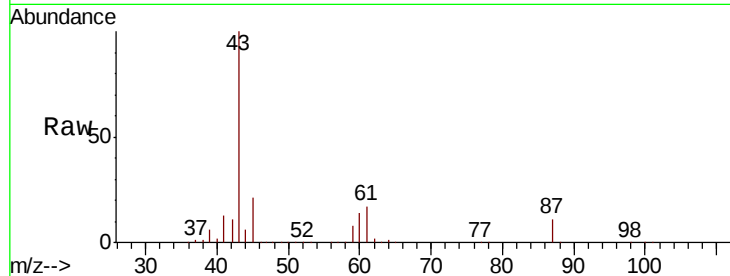
Isopropyl Acetate
 Concen: 30.96 ug/l
 RT: 8.17 min Scan# 2046
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	15.8	23.6#
87	9.1	10.3	15.5#

Manual Integrations
 APPROVED

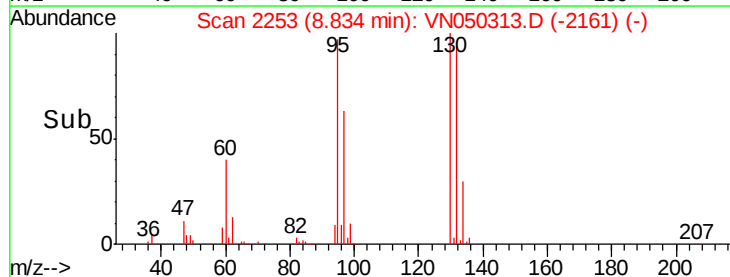
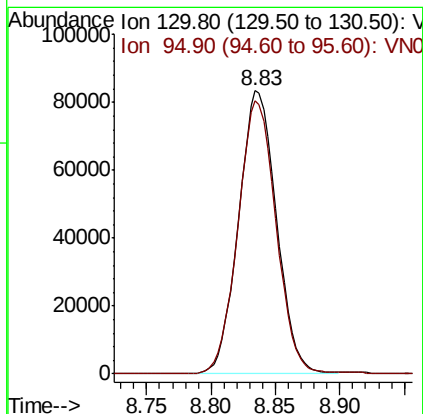
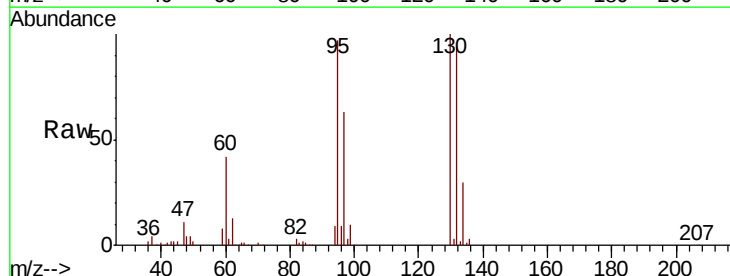
MMDadoda
 8/6/2018 11:38:28 AM

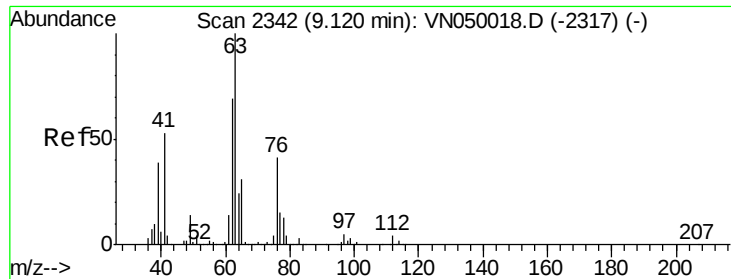


#44

Trichloroethene
 Concen: 20.59 ug/l
 RT: 8.83 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.7	0.0	194.6





#45

1,2-Dichloropropane

Concen: 21.18 ug/l

RT: 9.12 min Scan# 2342

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

Tot Ion: 63 Resp: 173178

Ion Ratio Lower Upper

63 100

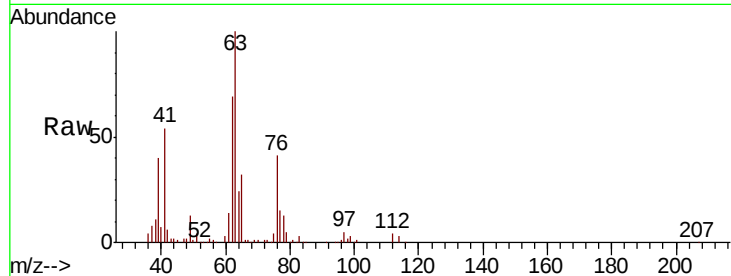
65 31.8 25.5 38.3

Manual Integrations

APPROVED

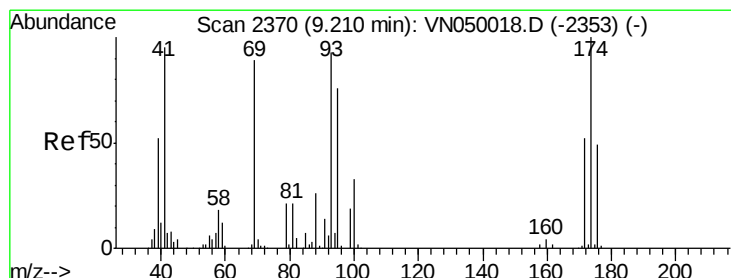
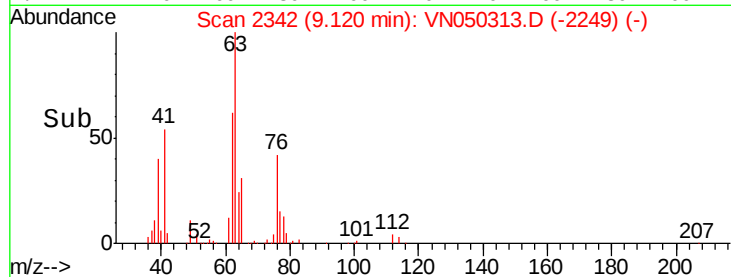
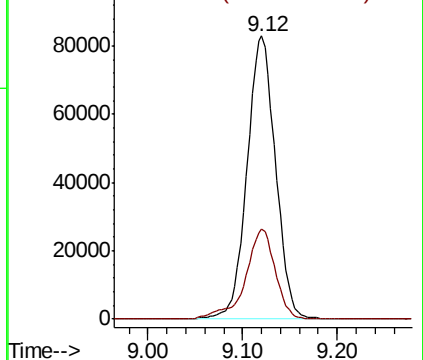
MMDadoda

8/6/2018 11:38:28 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 21.31 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

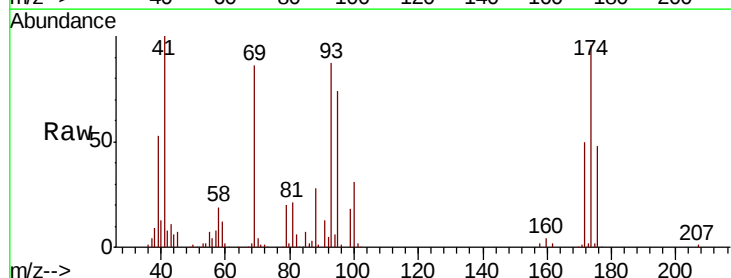
Tgt Ion: 93 Resp: 108194

Ion Ratio Lower Upper

93 100

95 84.3 66.6 100.0

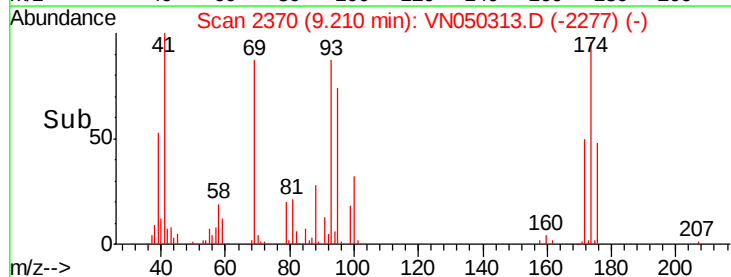
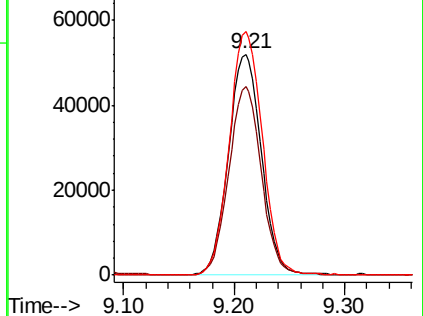
174 110.3 87.1 130.7

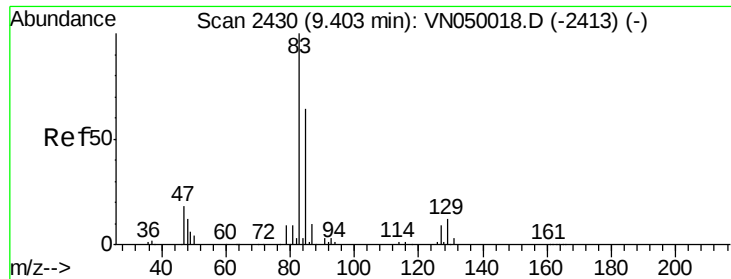


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





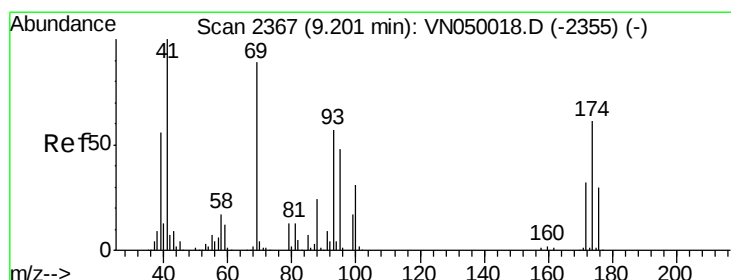
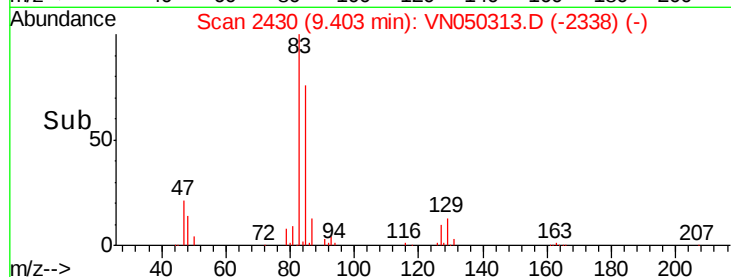
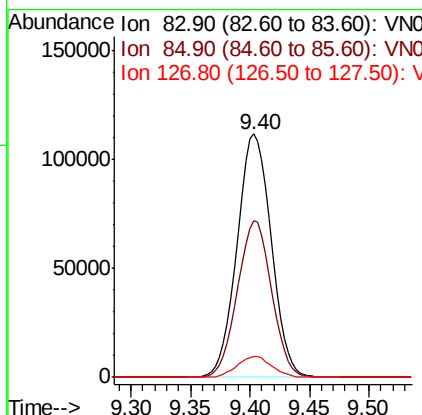
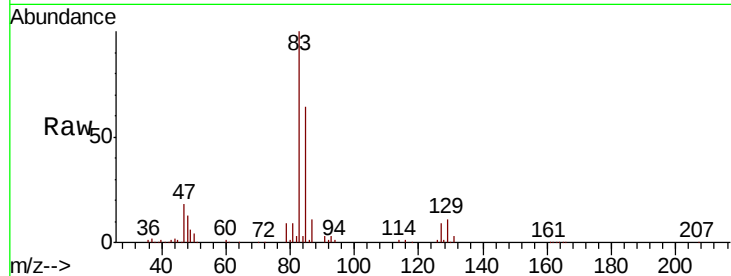
#47
Bromodichloromethane
Concen: 20.83 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	64.4	51.1	76.7	
127	8.6	7.0	10.4	

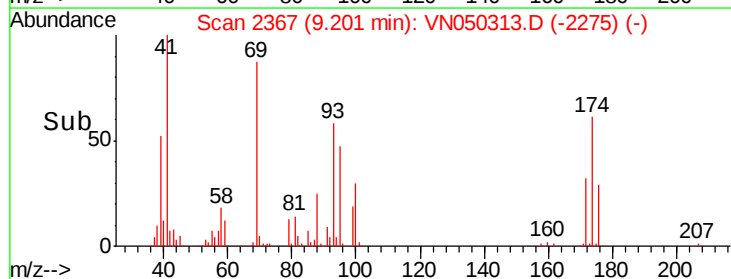
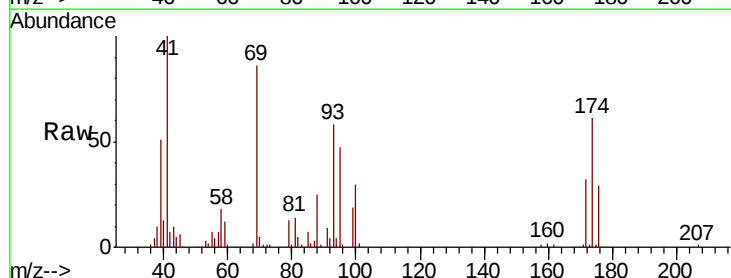
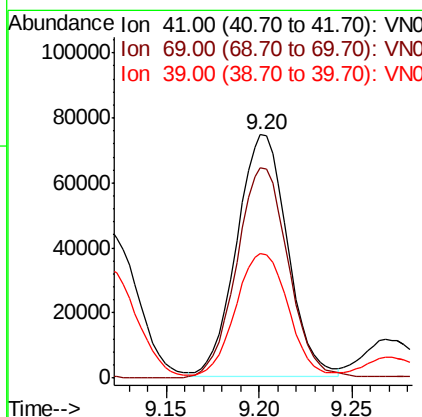
Manual Integrations
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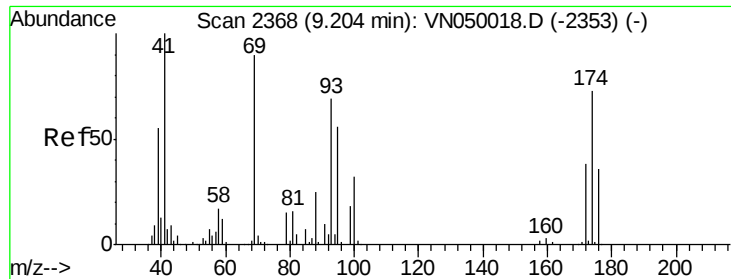
MMDadoda
8/6/2018 11:38:28 AM



#48
Methyl methacrylate
Concen: 23.23 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	89.1	70.6	105.8	
39	53.2	43.9	65.9	





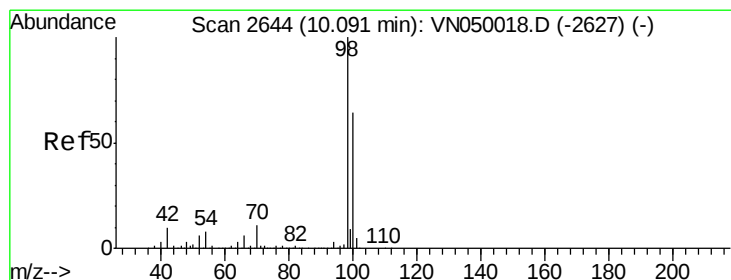
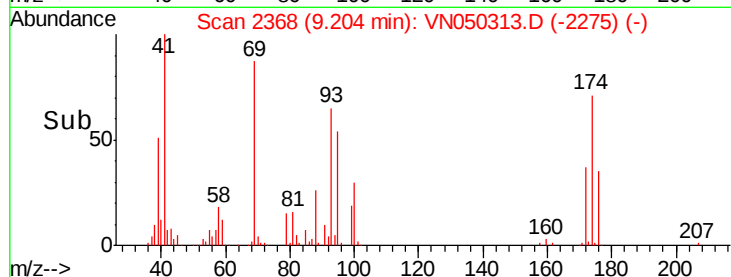
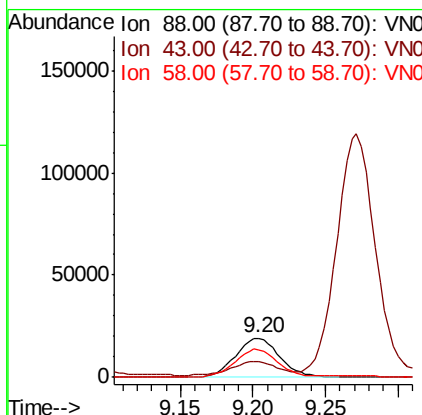
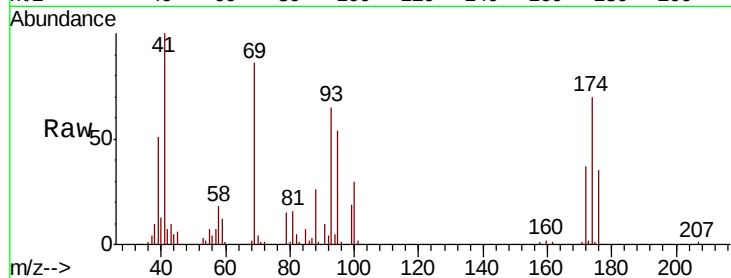
#49
1,4-Dioxane
Concen: 489.90 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.7	26.9	40.3
58	70.5	57.3	85.9

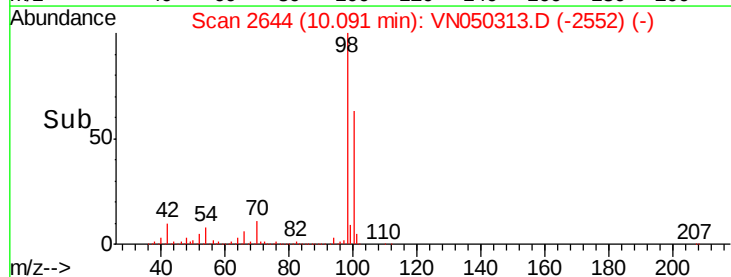
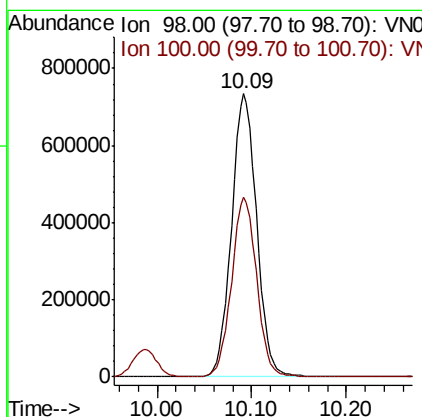
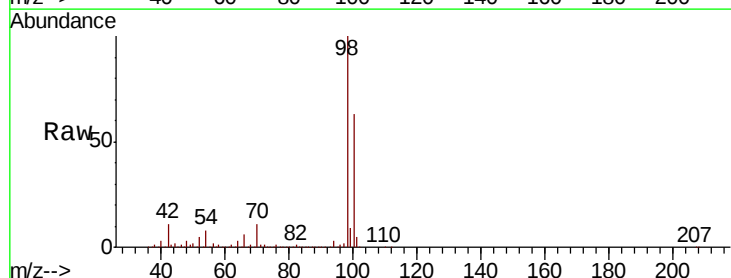
Manual Integrations
APPROVED

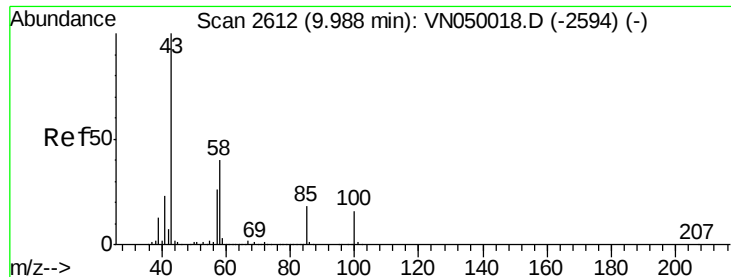
MMDadoda
8/6/2018 11:38:28 AM



#50
Toluene-d8
Concen: 50.04 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.7	76.1





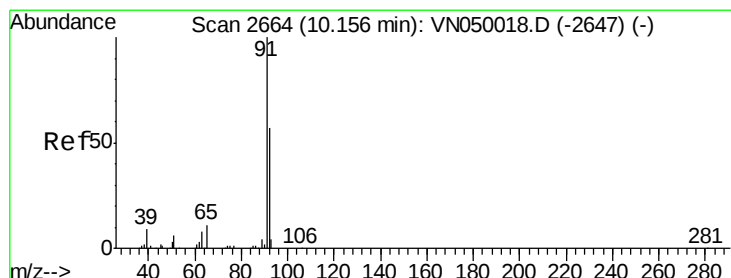
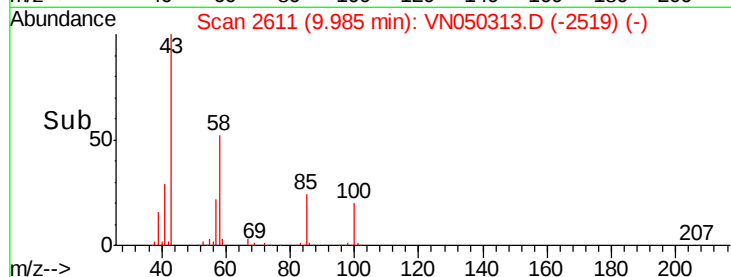
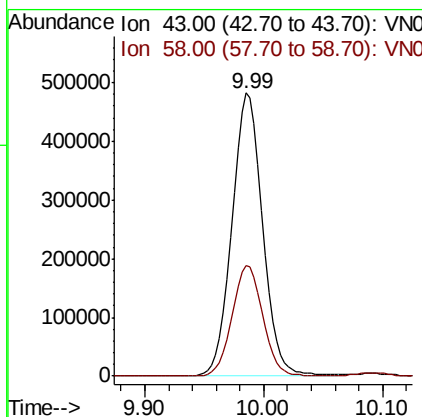
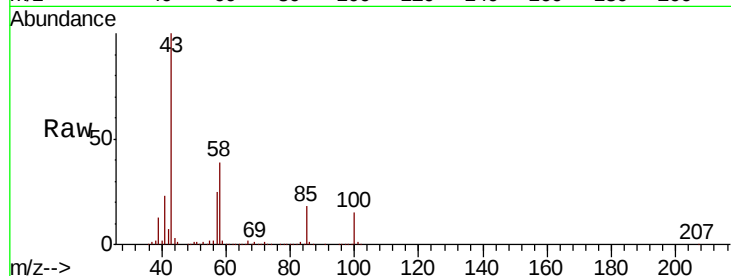
#51
4-Methyl-2-Pentanone
Concen: 123.14 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.5	31.9	47.9

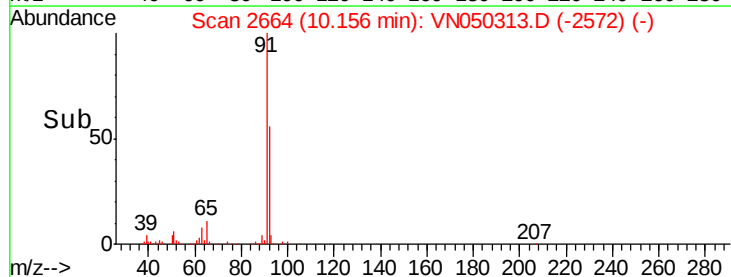
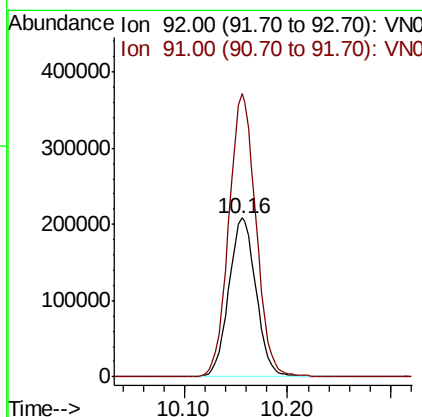
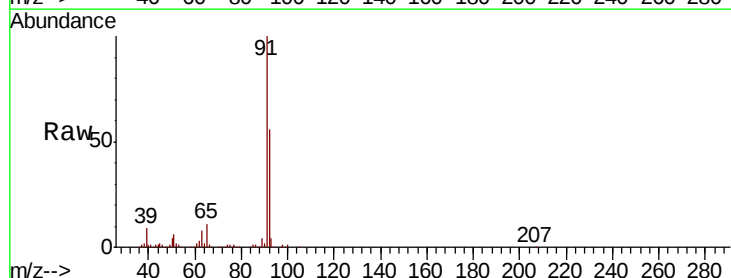
Manual Integrations
APPROVED

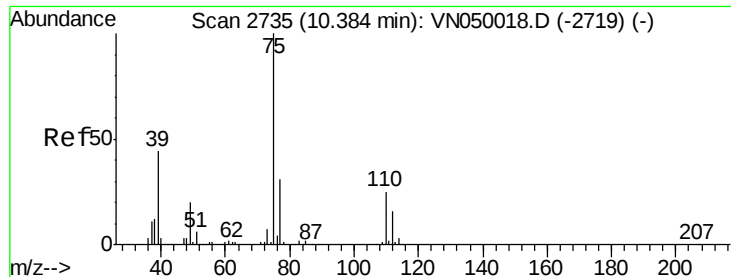
MMDadoda
8/6/2018 11:38:28 AM



#52
Toluene
Concen: 21.10 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.9	140.3	210.5





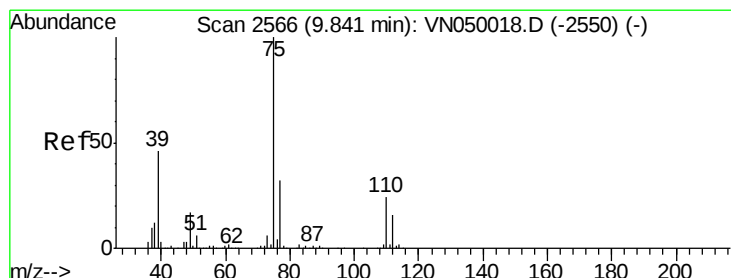
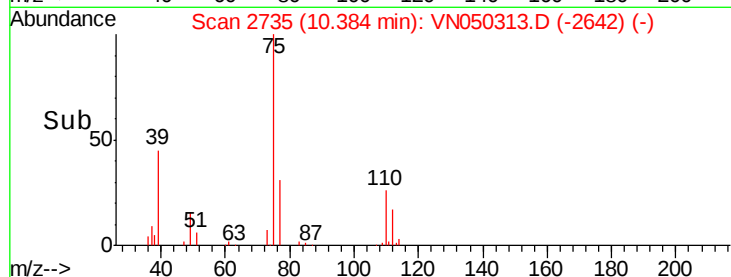
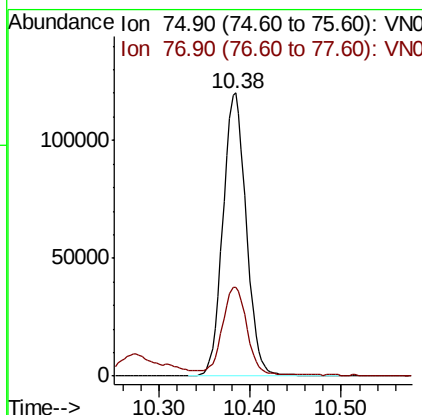
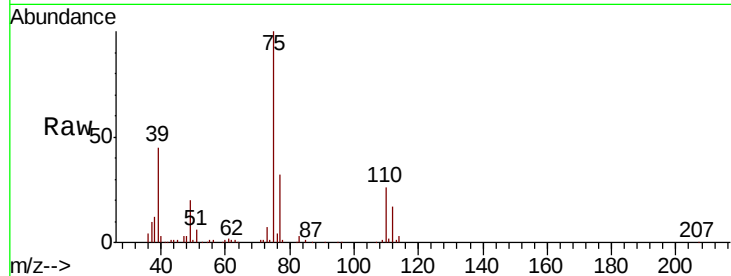
#53
t-1,3-Dichloropropene
Concen: 21.18 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.9	37.3

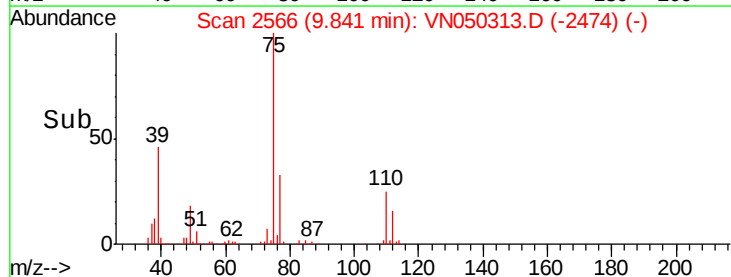
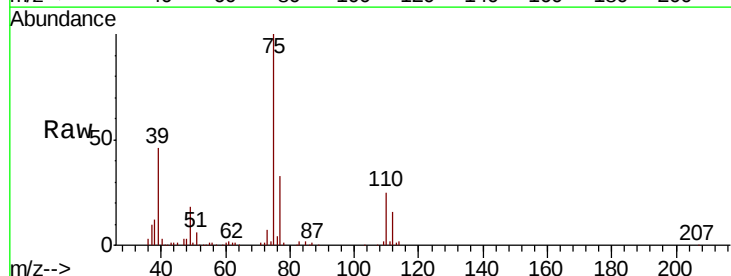
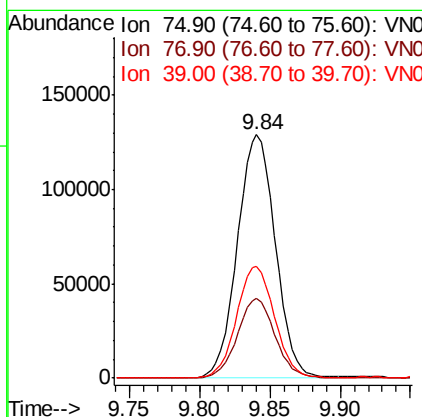
Manual Integrations
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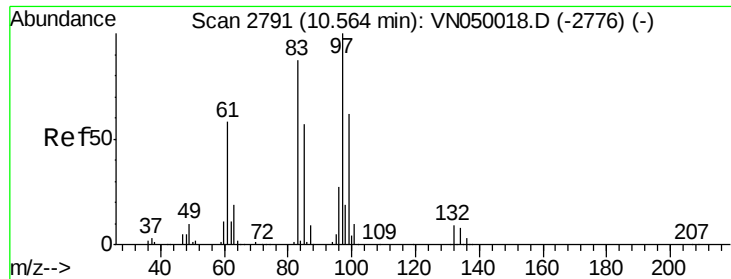
MMDadoda
8/6/2018 11:38:28 AM



#54
cis-1,3-Dichloropropene
Concen: 21.09 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.5	38.3
39	45.6	36.6	55.0





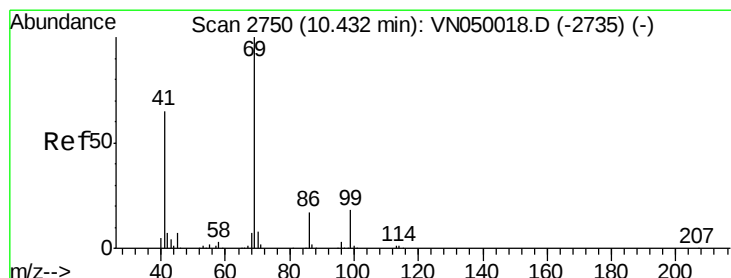
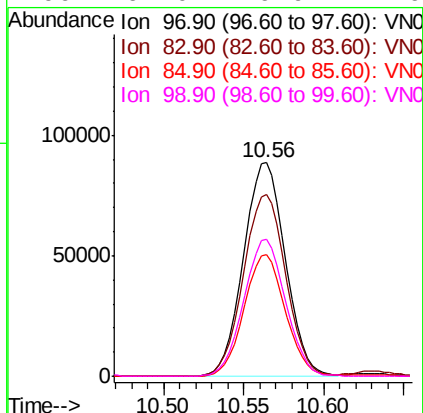
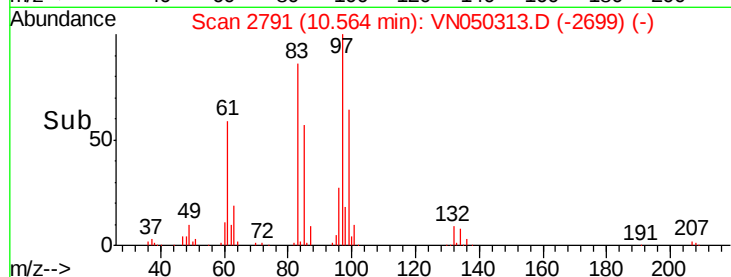
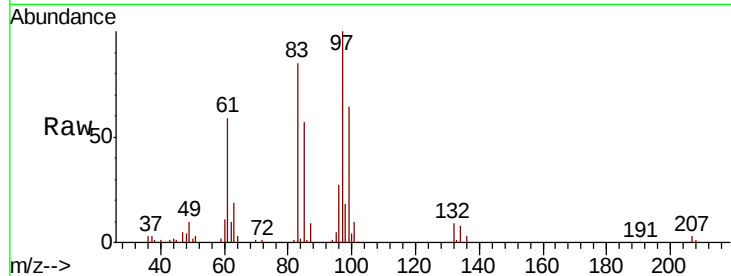
#55
 1,1,2-Trichloroethane
 Concen: 21.89 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		158172		
83	85.4	69.2	103.8		
85	57.2	44.0	66.0		
99	64.0	49.9	74.9		

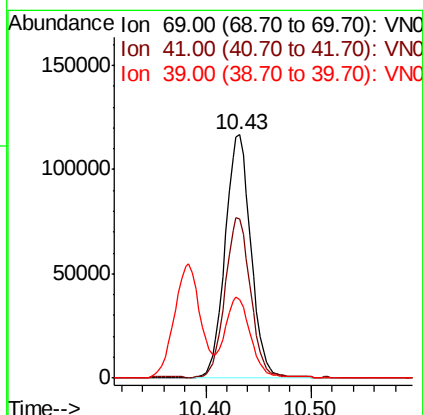
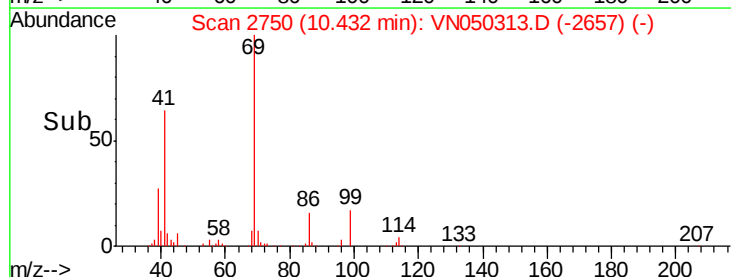
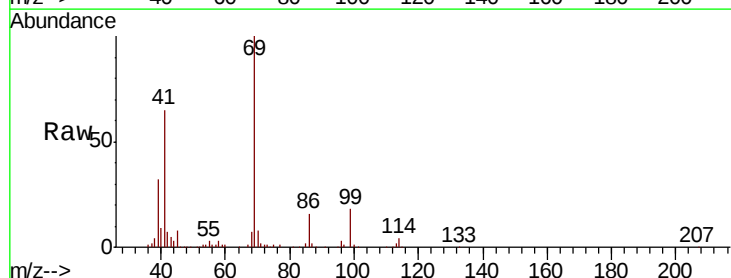
Manual Integrations
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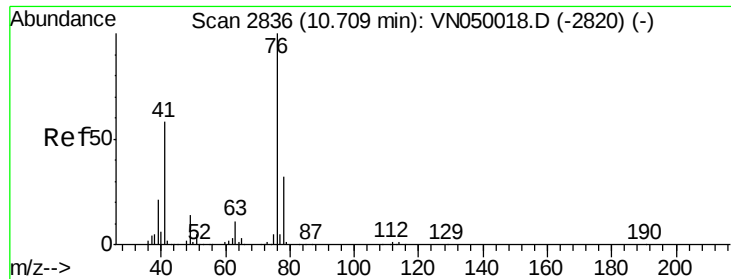
MMDadoda
 8/6/2018 11:38:28 AM



#56
 Ethyl methacrylate
 Concen: 21.39 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		197552		
41	64.5	51.0	76.4		
39	31.9	26.6	40.0		





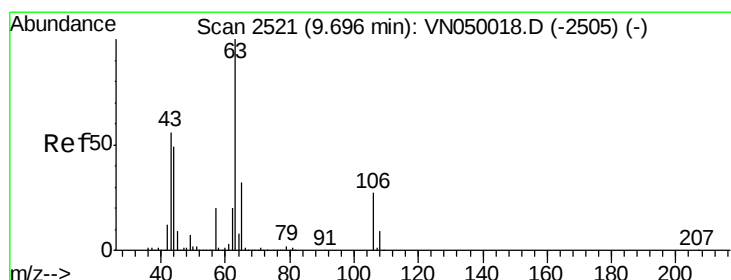
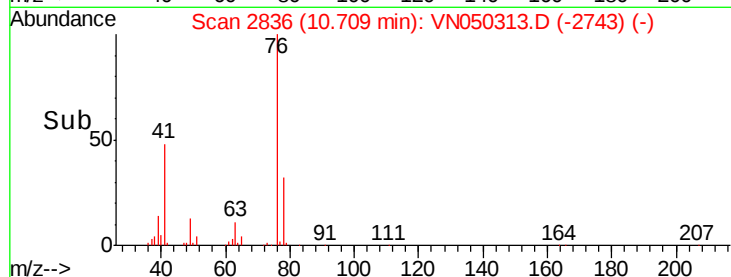
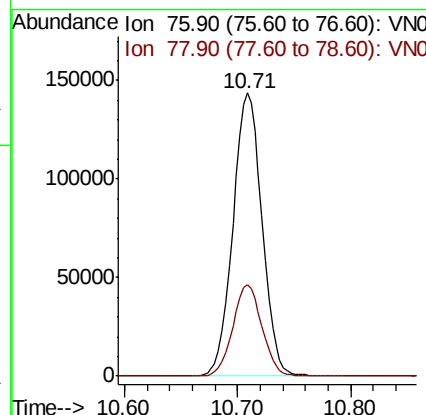
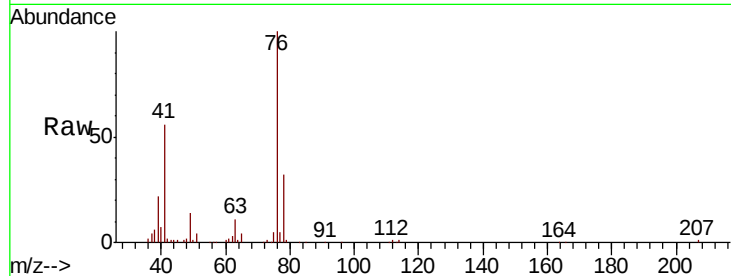
#57
 1,3-Dichloropropane
 Concen: 21.81 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.7	38.5

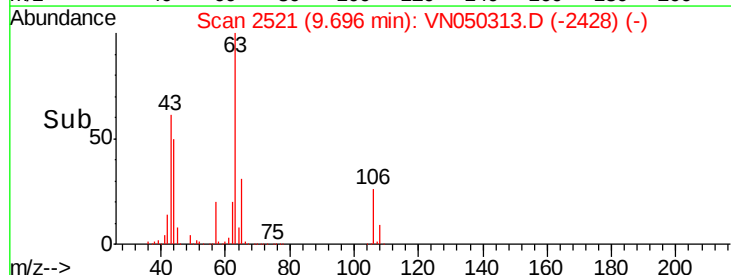
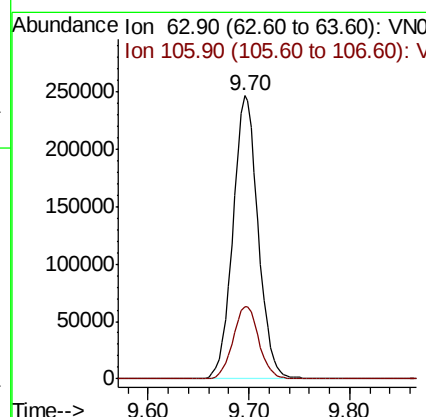
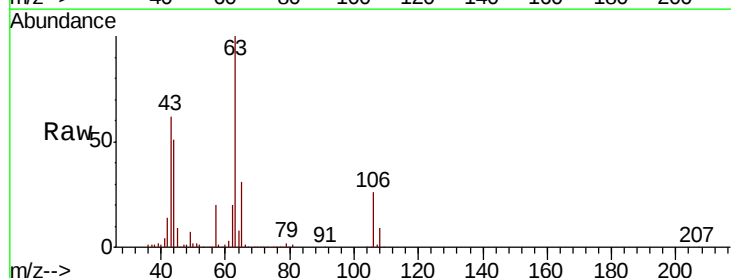
Manual Integrations
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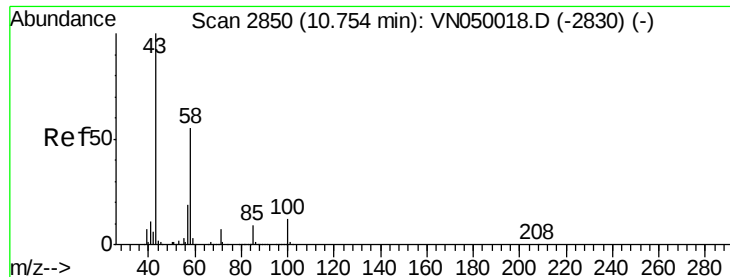
MMDadoda
 8/6/2018 11:38:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.23 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	26.3	21.7	32.5





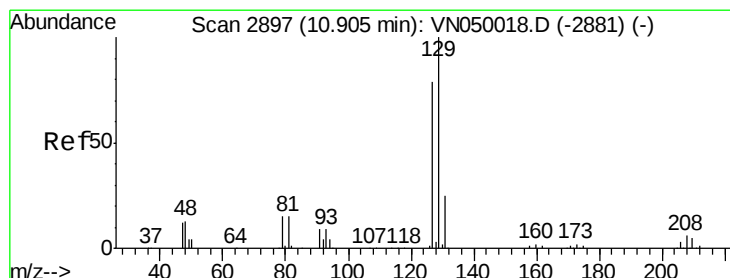
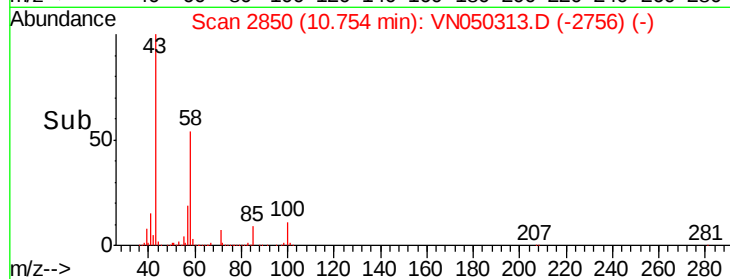
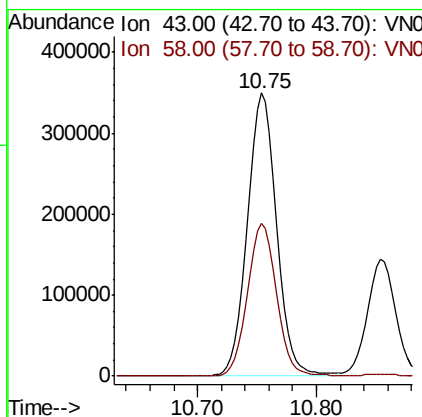
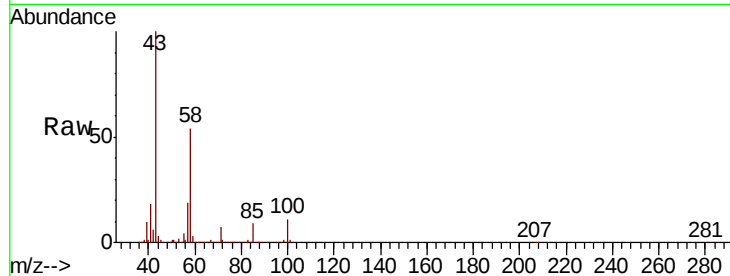
#59
2-Hexanone
Concen: 118.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	43	Resp	593220
Ion Ratio	Lower	Upper	
43	100		
58	53.8	27.6	82.7

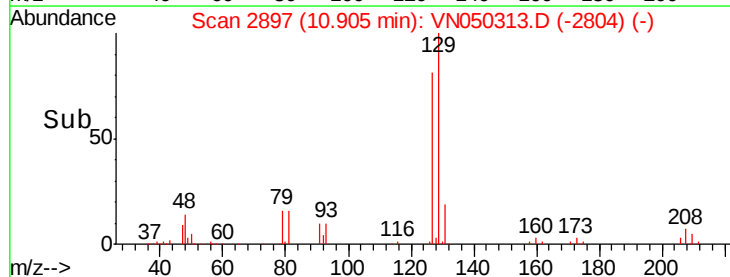
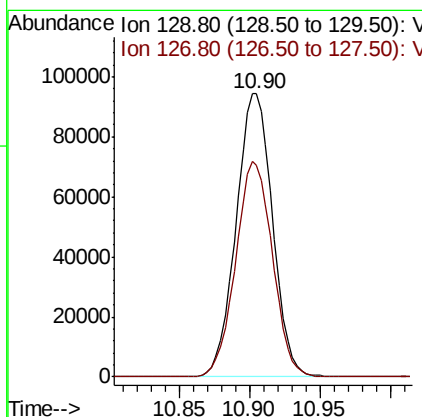
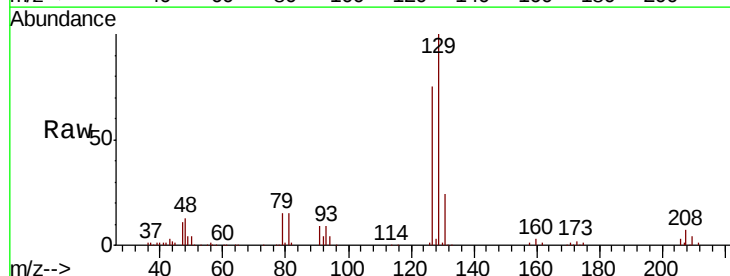
Manual Integrations
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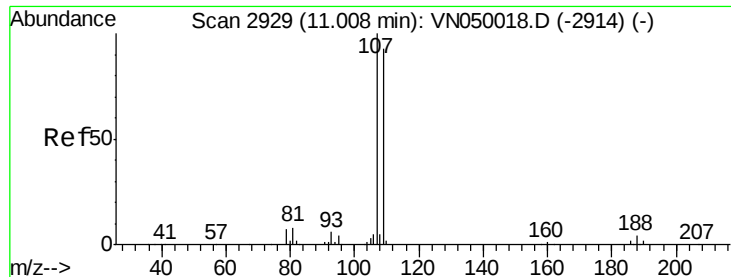
MMDadoda
8/6/2018 11:38:28 AM



#60
Dibromochloromethane
Concen: 21.32 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	129	Resp	170563
Ion Ratio	Lower	Upper	
129	100		
127	77.0	38.0	113.9





#61

1,2-Dibromoethane

Concen: 21.44 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

Tot Ion: 107 Resp: 153734

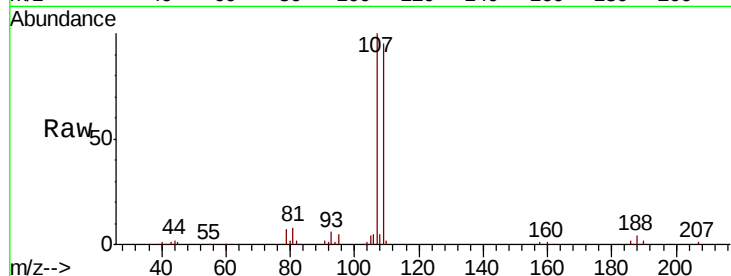
Ion Ratio Lower Upper

107 100

109 93.6 74.6 112.0

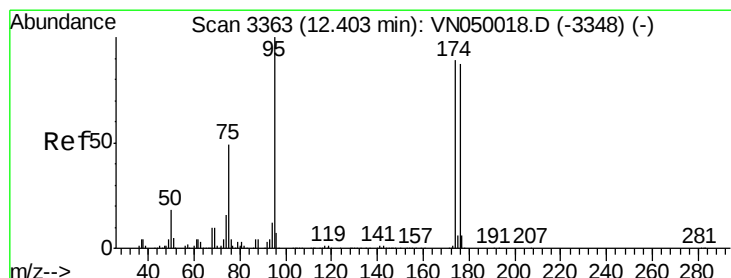
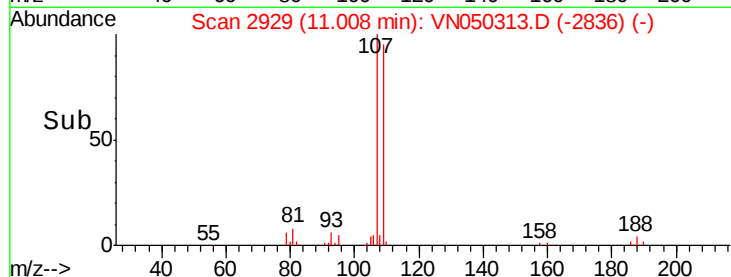
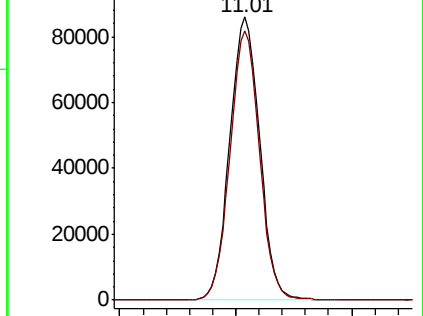
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 51.08 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

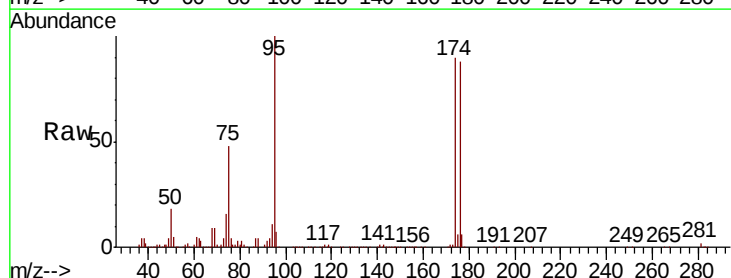
Tgt Ion: 95 Resp: 454616

Ion Ratio Lower Upper

95 100

174 90.0 0.0 178.2

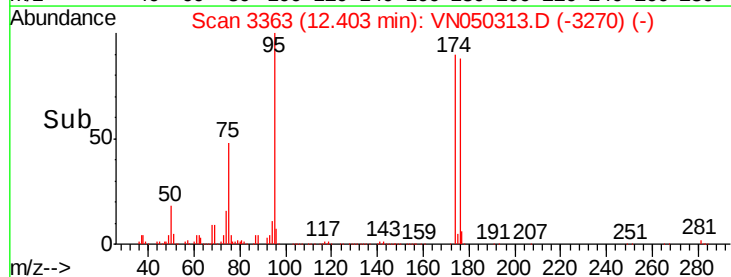
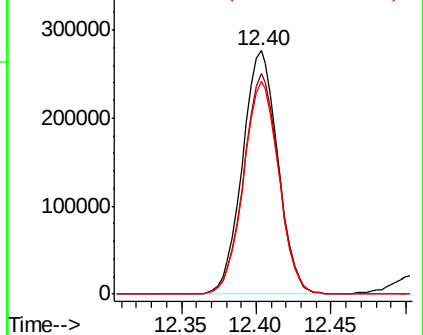
176 87.3 0.0 173.4

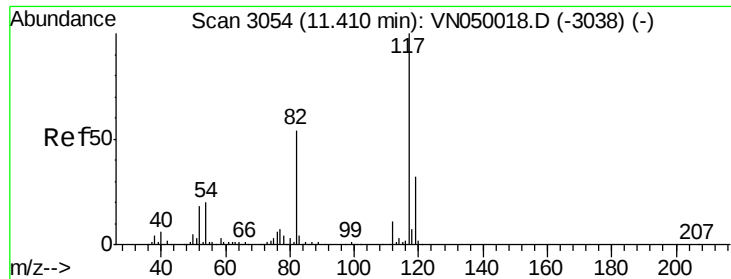


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

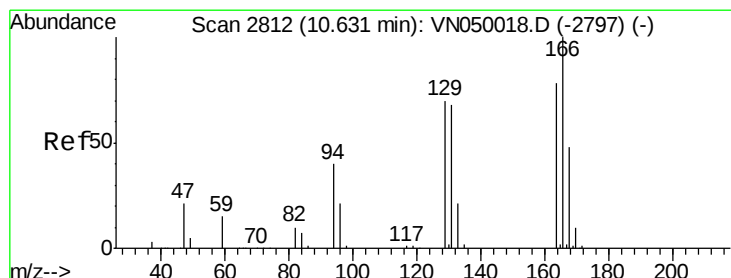
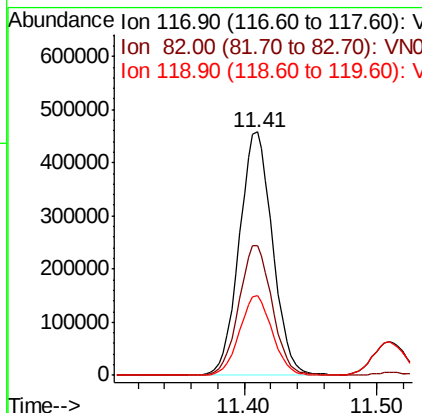
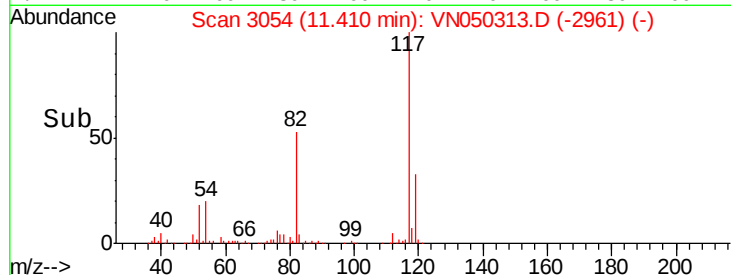
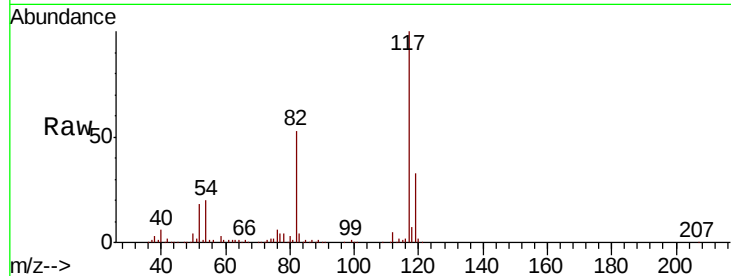
ClientSampleId :

VN0803WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		796201		
82	53.1	43.7	65.5		
119	32.6	26.1	39.1		

Manual Integrations
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#64

Tetrachloroethene

Concen: 22.62 ug/l

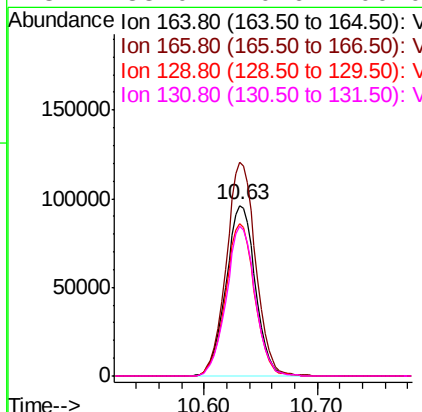
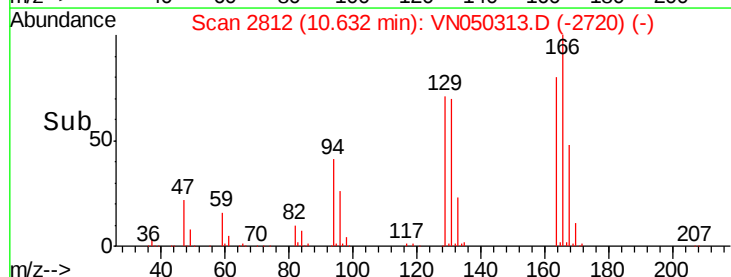
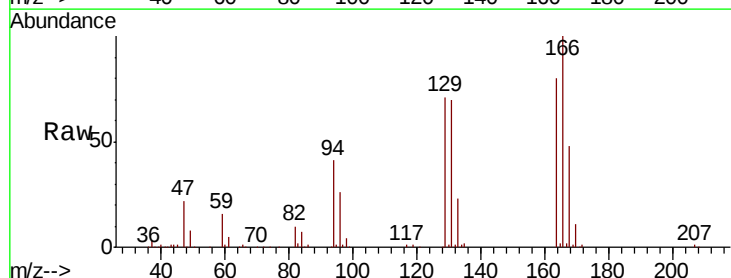
RT: 10.63 min Scan# 2812

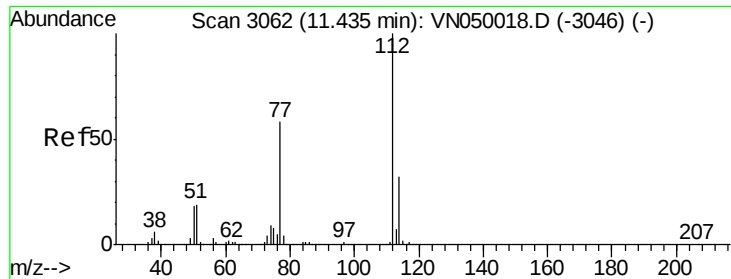
Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		173146		
166	125.0	102.1	153.1		
129	89.2	73.2	109.8		
131	88.0	70.6	106.0		





#65

Chlorobenzene

Concen: 21.00 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

Tot Ion:112 Resp: 422275

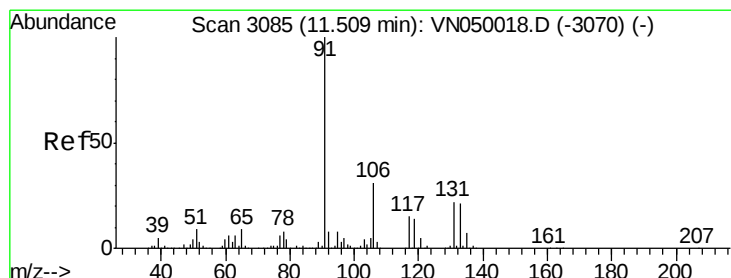
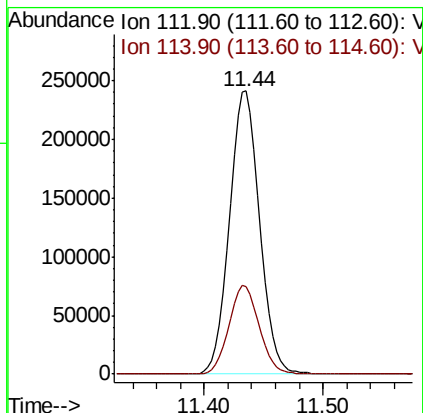
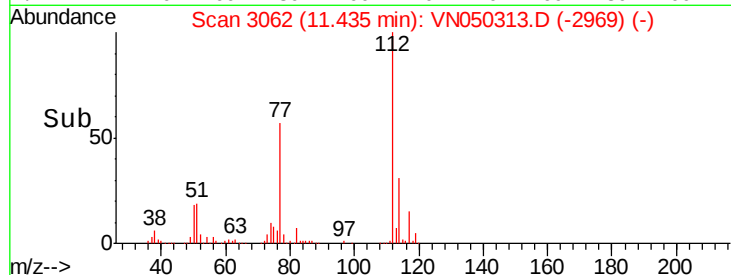
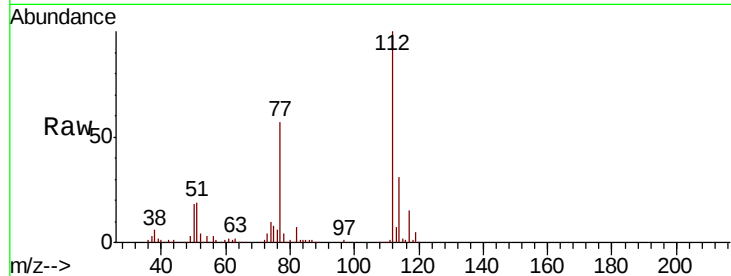
Ion Ratio Lower Upper

112 100

114 30.9 25.6 38.4

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.34 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

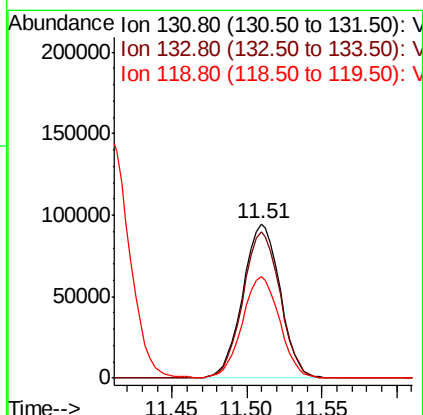
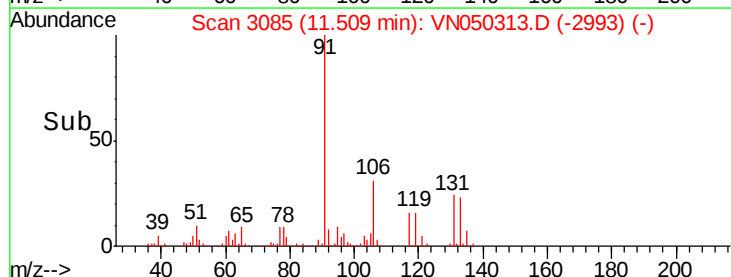
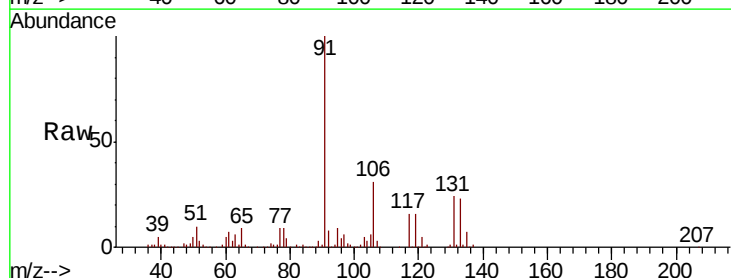
Tgt Ion:131 Resp: 164885

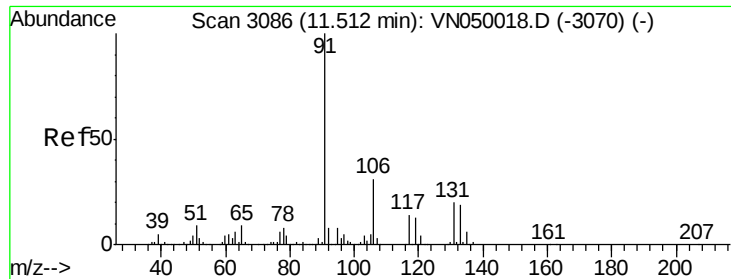
Ion Ratio Lower Upper

131 100

133 94.7 47.3 141.9

119 65.6 32.9 98.7





#67

Ethyl Benzene

Concen: 21.25 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

Tot Ion: 91 Resp: 686615

Ion Ratio Lower Upper

91 100

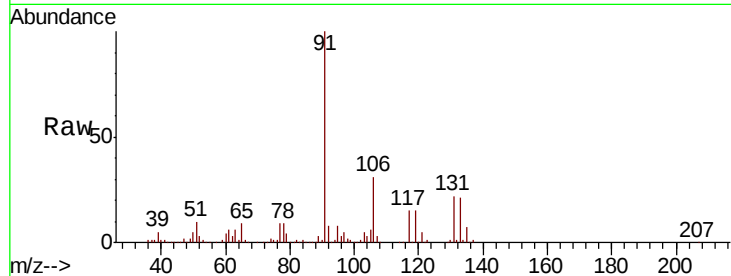
106 31.2 25.0 37.4

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN050018.D (-3070) (-)

Ion 106.00 (105.70 to 106.70): VN050018.D (-3070) (-)

600000

400000

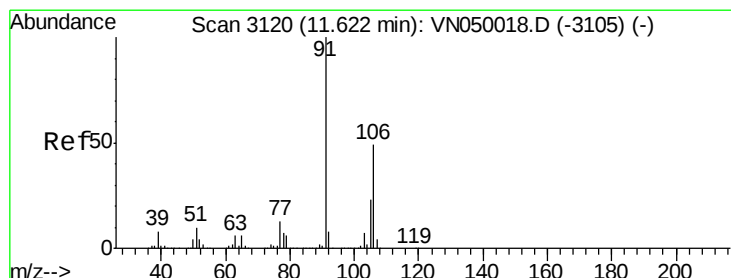
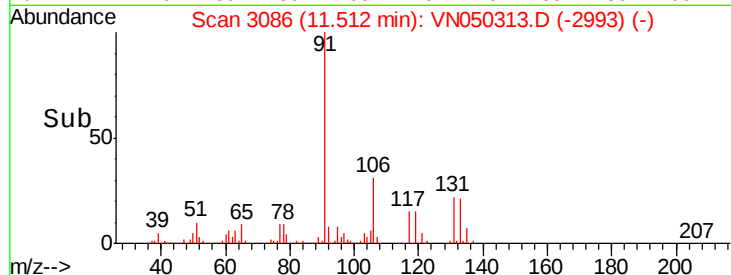
200000

0

11.45 11.50 11.55 11.60

11.51

Time-->



#68

m/p-Xylenes

Concen: 44.57 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050313.D

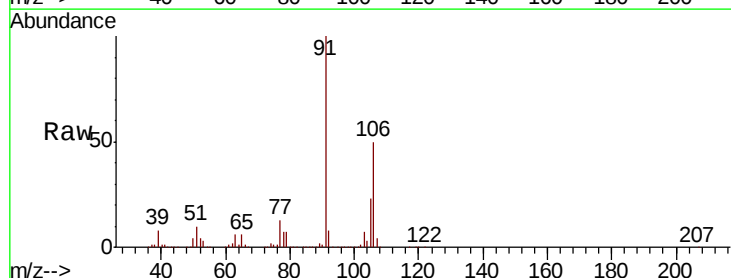
Acq: 3 Aug 2018 15:23

Tgt Ion: 106 Resp: 544643

Ion Ratio Lower Upper

106 100

91 202.9 162.2 243.2



Abundance Ion 106.00 (105.70 to 106.70): VN050018.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN050018.D (-3105) (-)

600000

400000

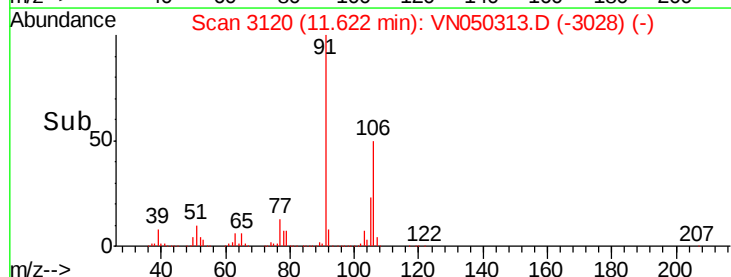
200000

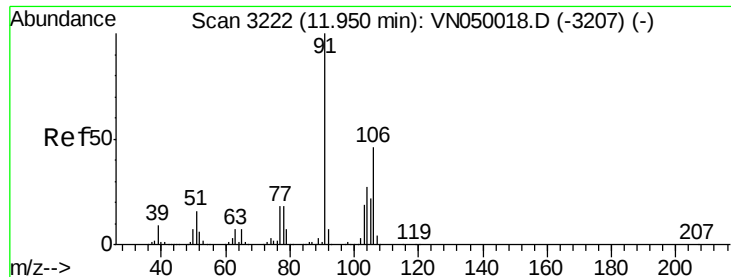
0

11.60 11.62 11.64 11.66 11.68 11.70

11.62

Time-->





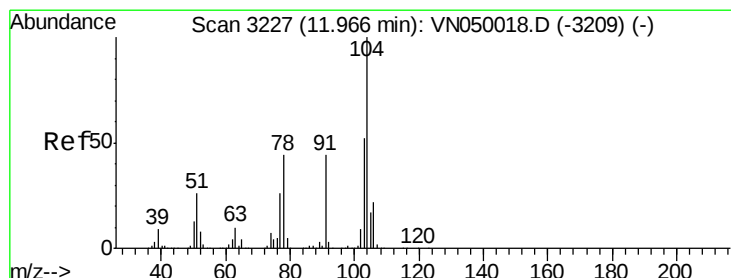
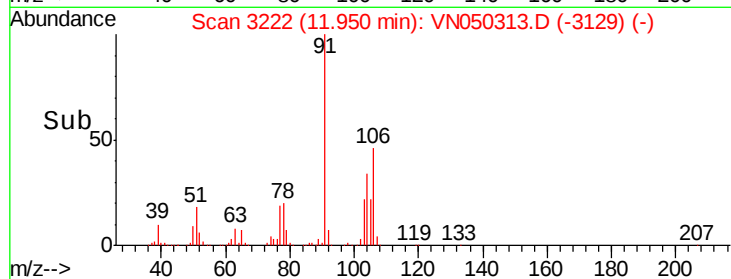
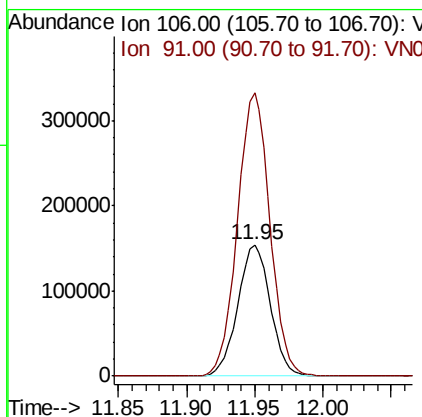
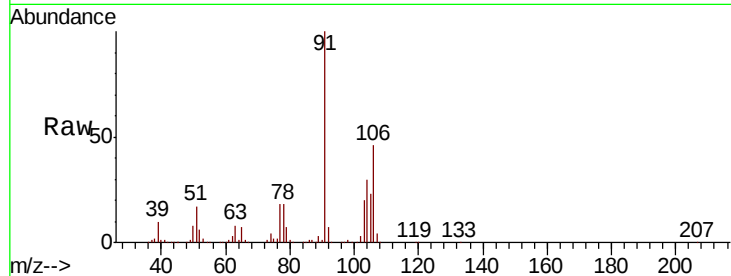
#69
o-Xylene
Concen: 21.95 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.0	107.7	323.1

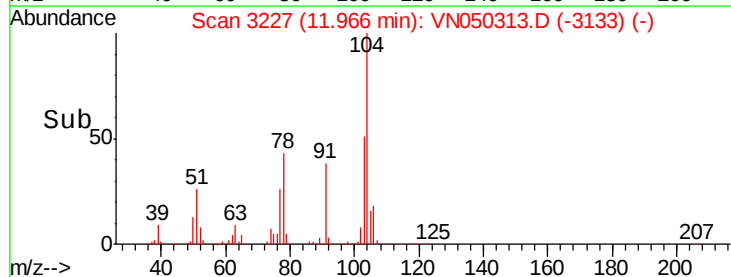
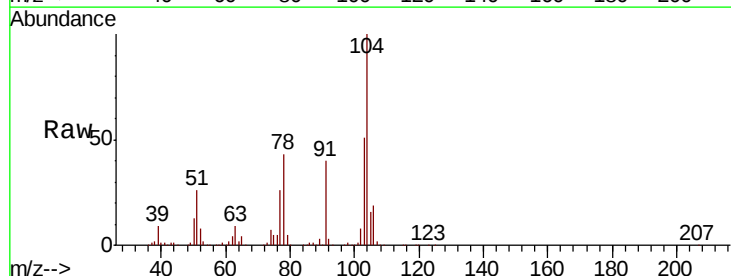
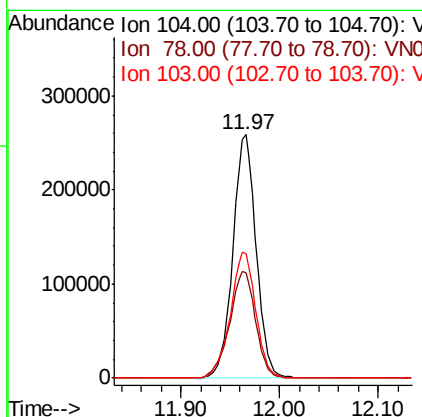
Manual Integrations
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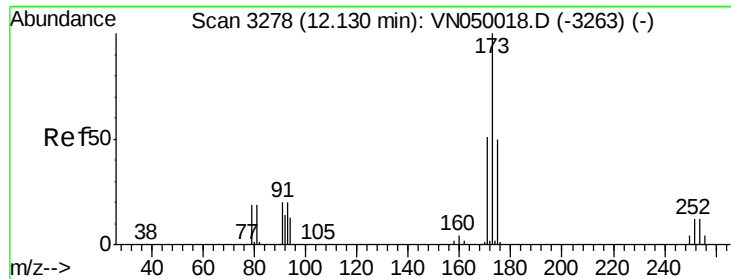
MMDadoda
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#70
Styrene
Concen: 21.06 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.0	39.3	58.9
103	56.4	45.0	67.6





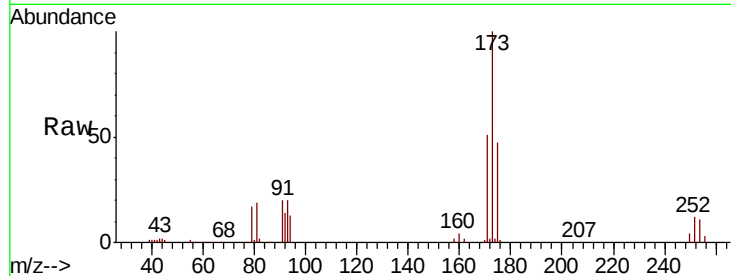
#71
Bromoform
Concen: 21.68 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

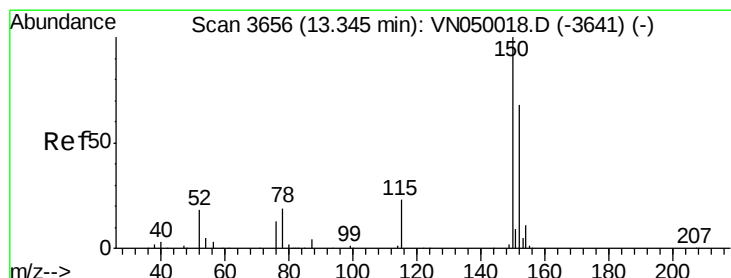
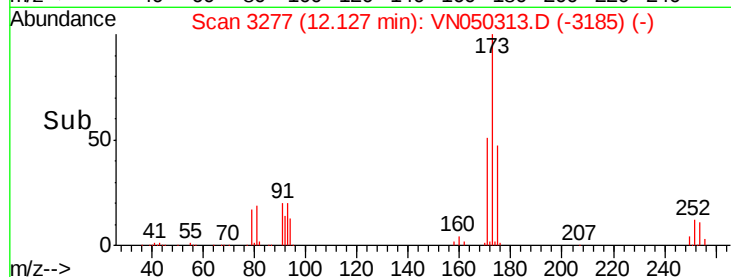
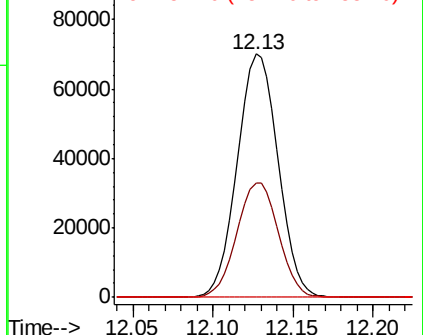
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.1	72.2
254	0.1	0.2	0.2

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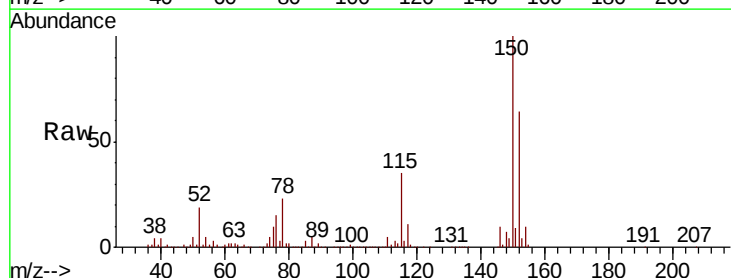


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

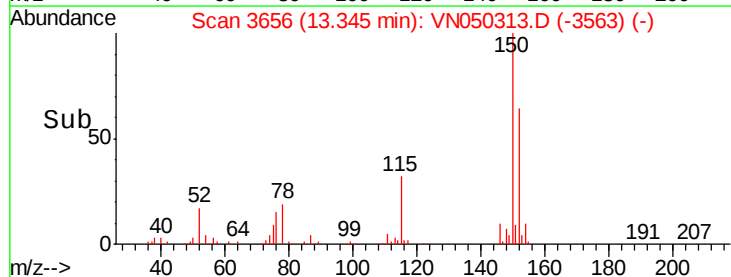
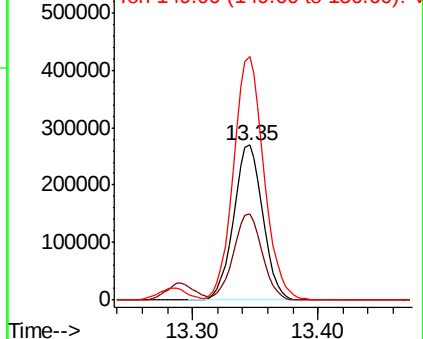


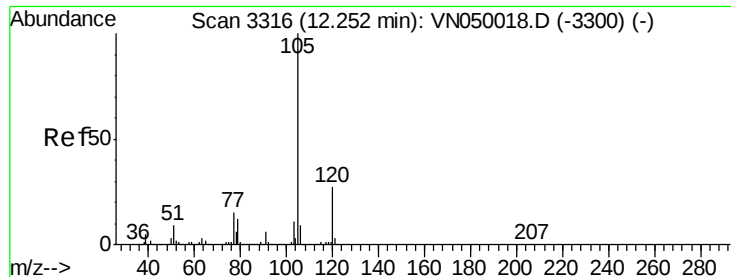
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.8	83.3
150	164.4	0.0	348.6



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: 20.49 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

Tot Ion: 105 Resp: 688511

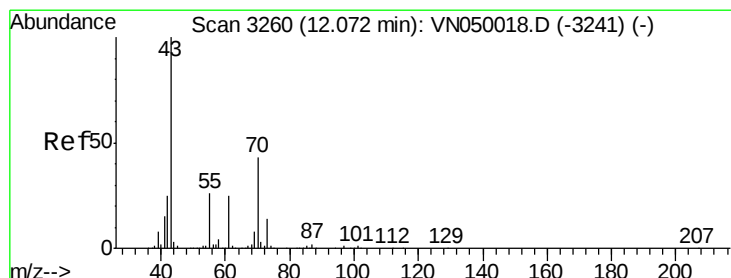
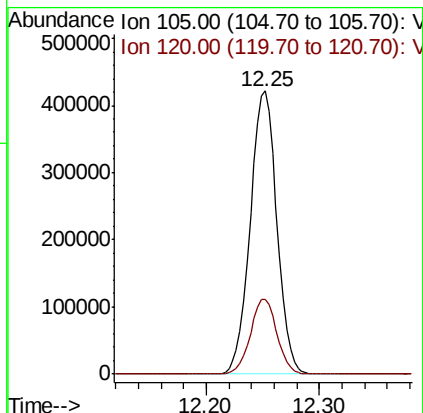
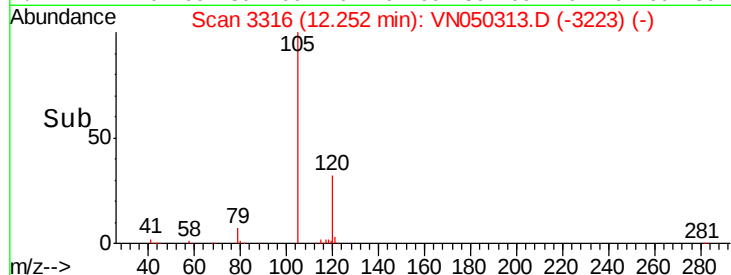
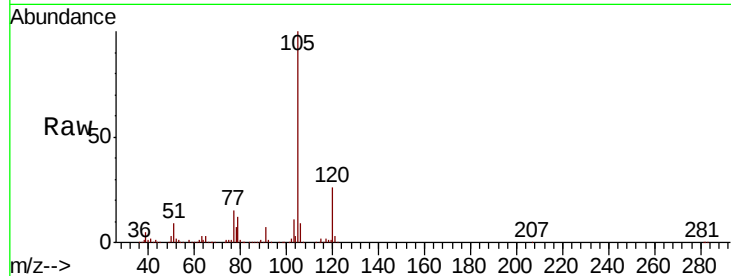
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

Manual Integrations
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#74

N-ethyl acetate

Concen: 24.05 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion: 43 Resp: 247009

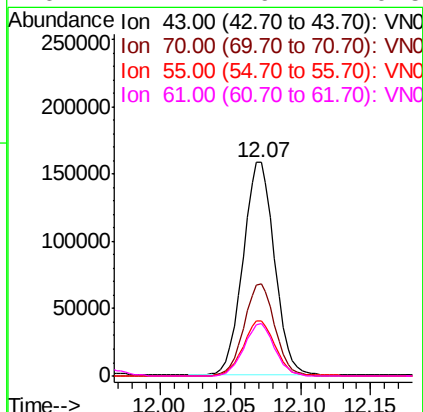
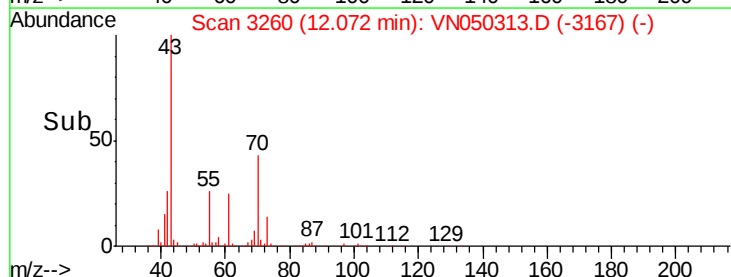
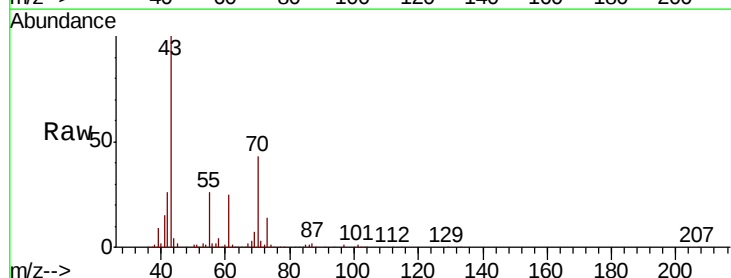
Ion Ratio Lower Upper

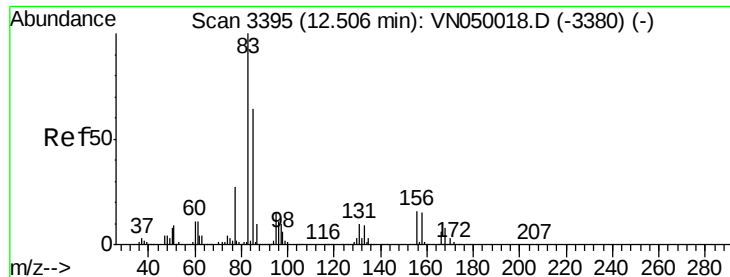
43 100

70 42.4 34.4 51.6

55 26.8 20.8 31.2

61 24.1 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 23.88 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

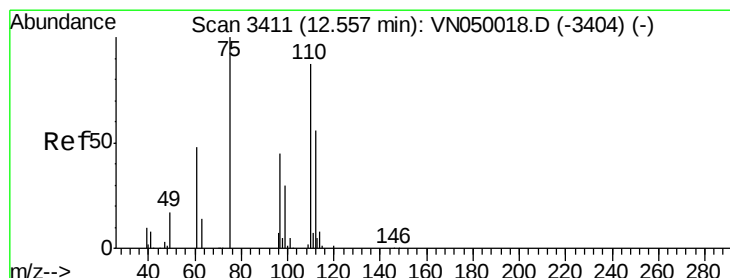
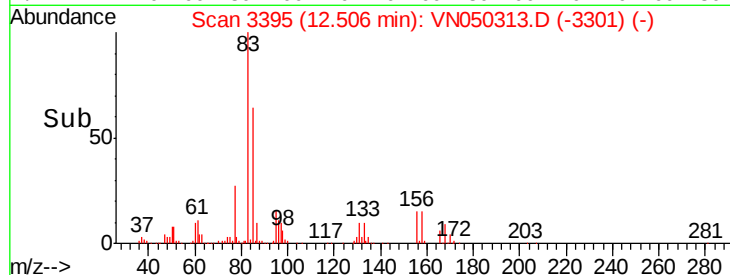
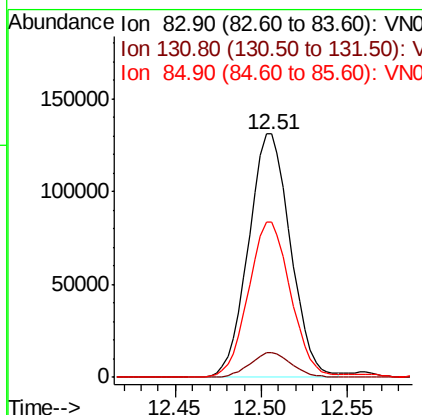
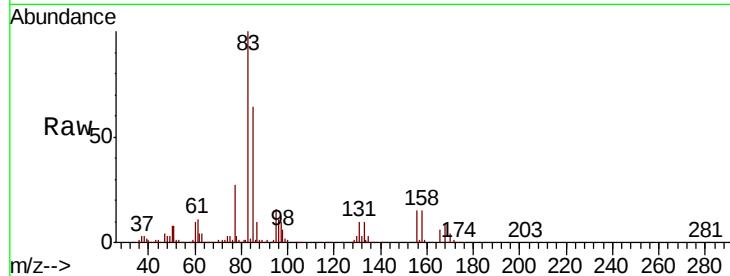
ClientSampled :

VN0803WBS02

Tot Ion:	83	Resp:	222645
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.1	15.3
85	64.1	32.3	96.8

Manual Integrations
APPROVED

MMDadoda
8/6/2018 11:38:28 AM



#76

1,2,3-Trichloropropane

Concen: 22.47 ug/l m

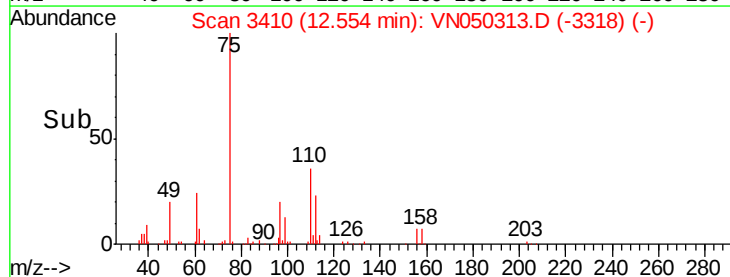
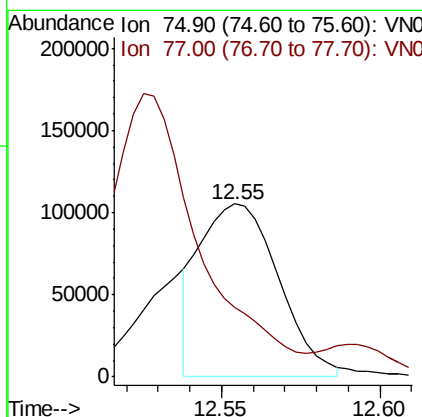
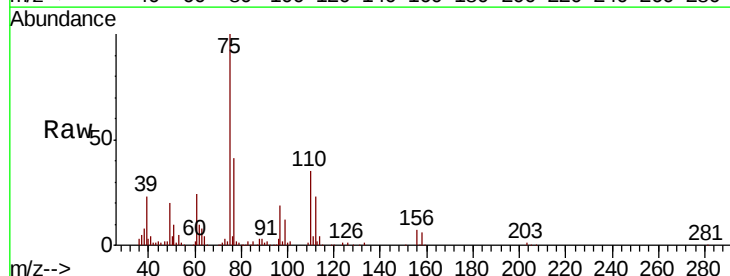
RT: 12.55 min Scan# 3410

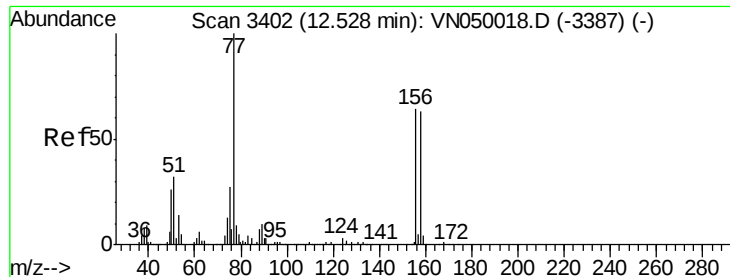
Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion:	75	Resp:	180894
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.08 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

Tot Ion:156 Resp: 186968

Ion Ratio Lower Upper

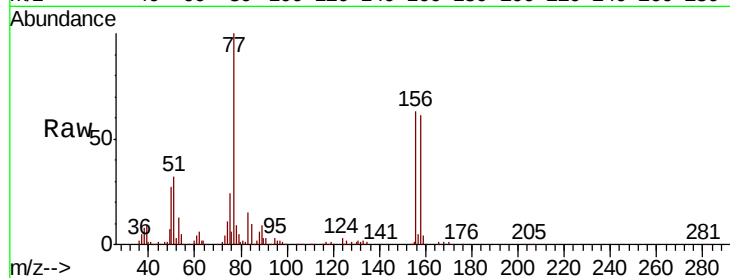
156 100

77 189.2 91.7 275.1

158 98.2 48.9 146.6

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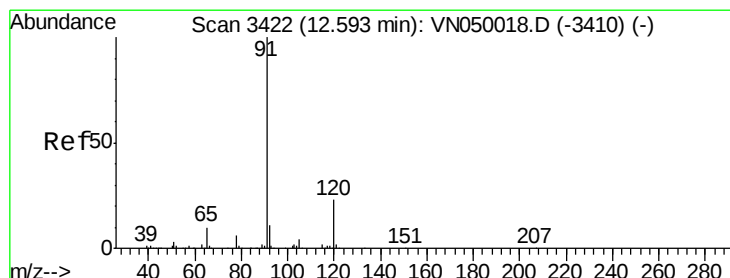
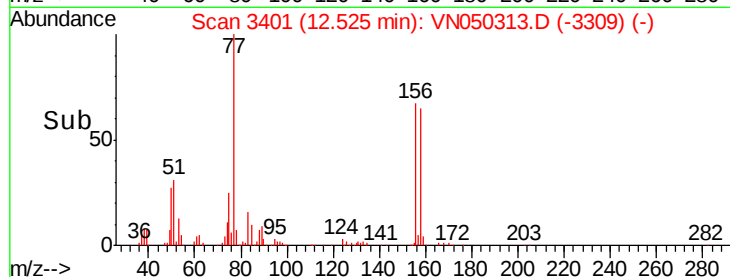
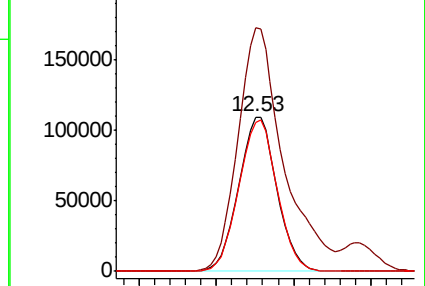
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.42 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050313.D

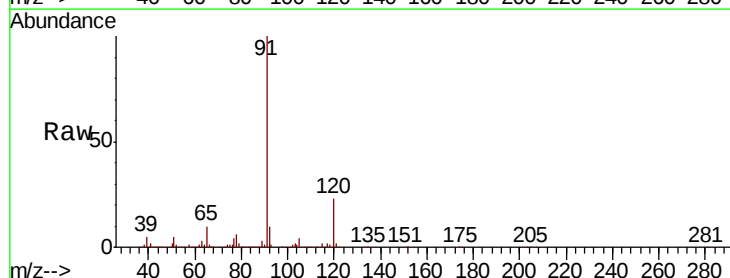
Acq: 3 Aug 2018 15:23

Tgt Ion: 91 Resp: 804676

Ion Ratio Lower Upper

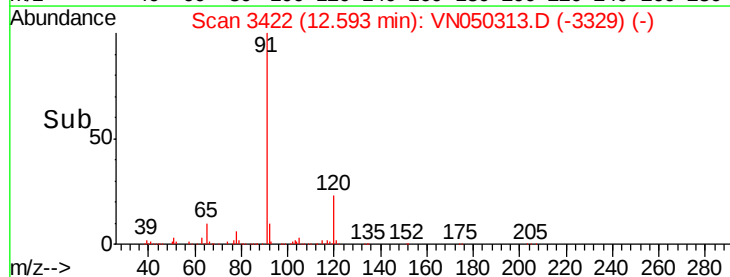
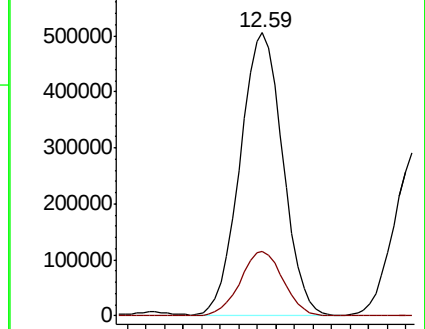
91 100

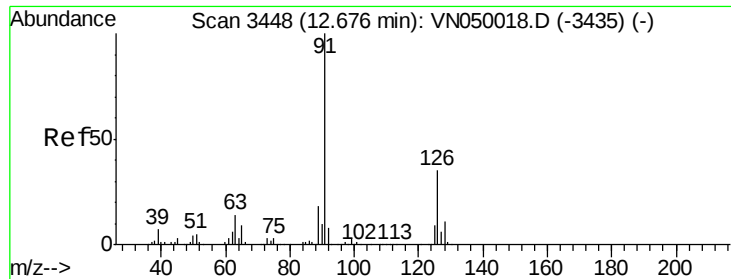
120 23.1 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.03 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS02

Tot Ion: 91 Resp: 489532

Ion Ratio Lower Upper

91 100

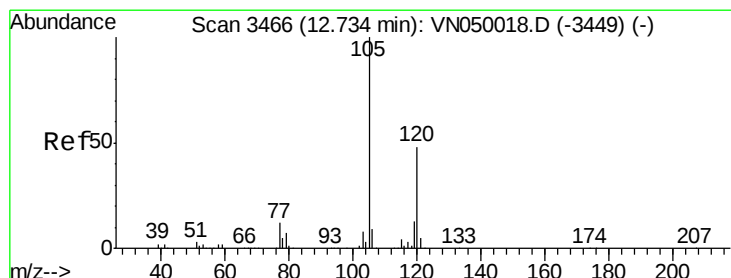
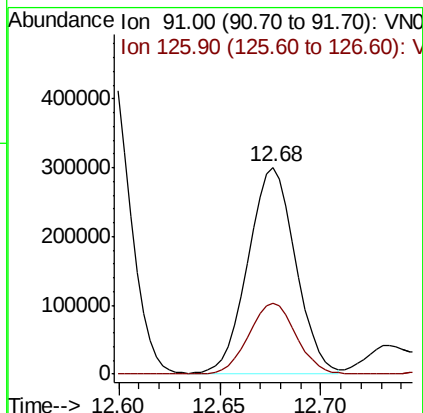
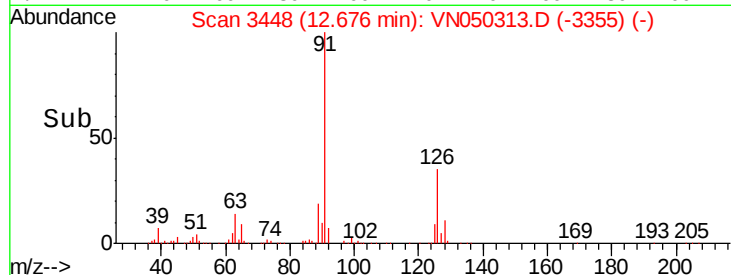
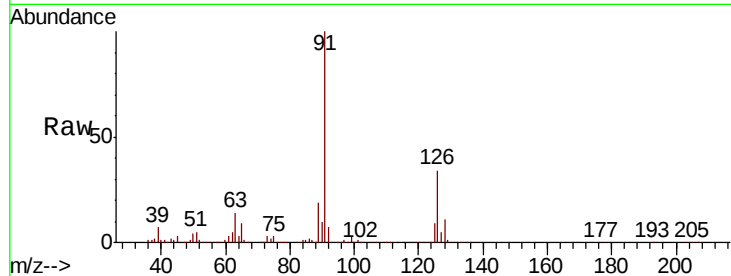
126 34.7 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 22.37 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050313.D

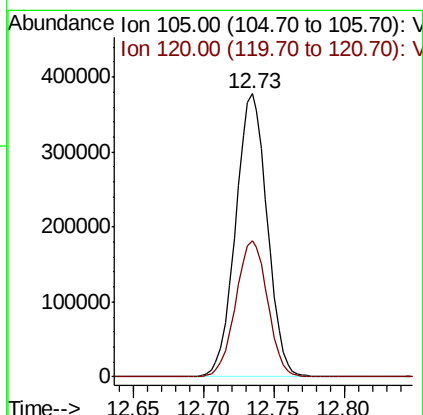
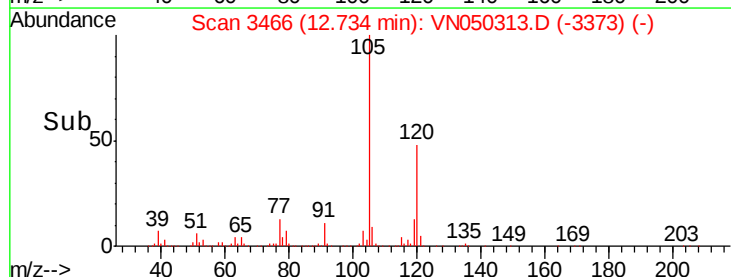
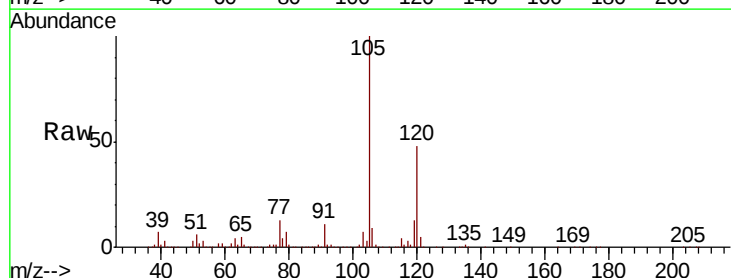
Acq: 3 Aug 2018 15:23

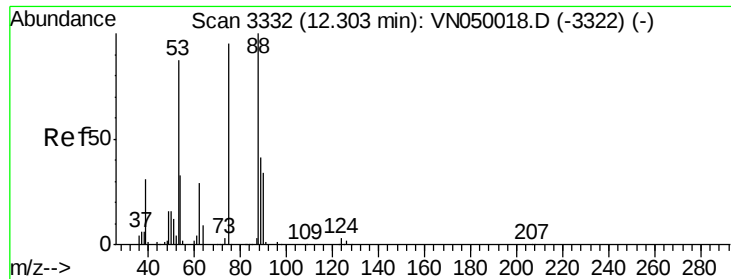
Tgt Ion: 105 Resp: 591212

Ion Ratio Lower Upper

105 100

120 48.6 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 20.43 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

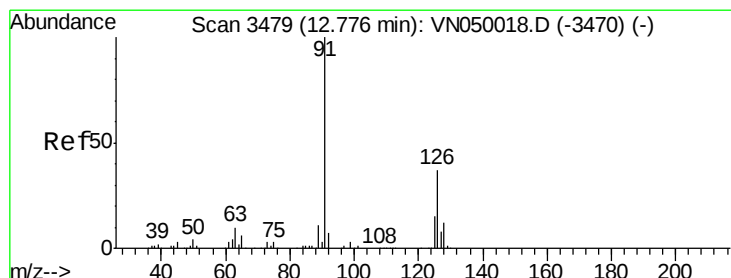
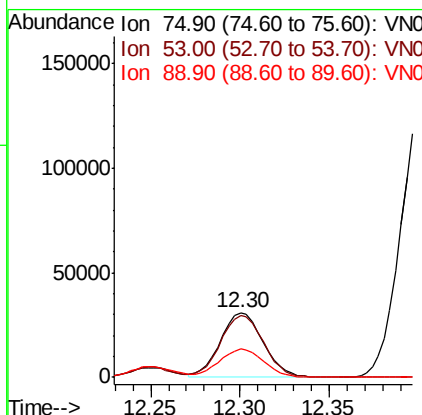
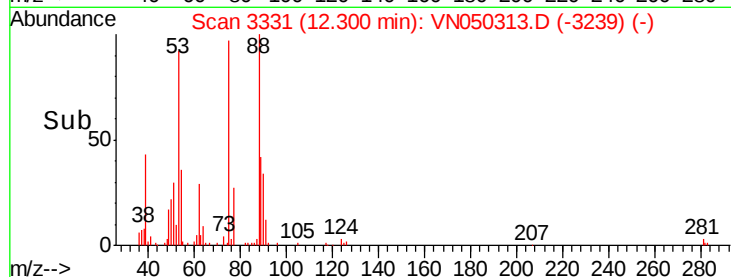
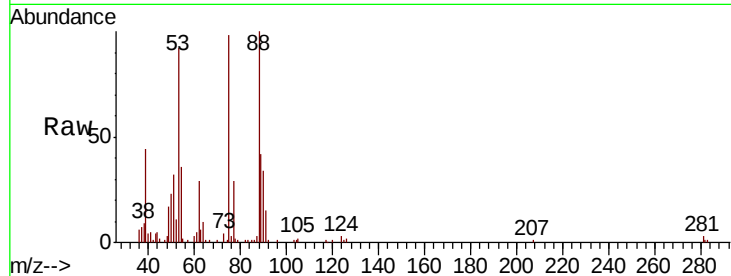
ClientSampleId :

VN0803WBS02

Tot Ion:	75	Resp:	51870
Ion	Ratio	Lower	Upper
75	100		
53	94.9	73.5	110.3
89	45.4	36.0	54.0

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#82

4-Chlorotoluene

Concen: 21.84 ug/l

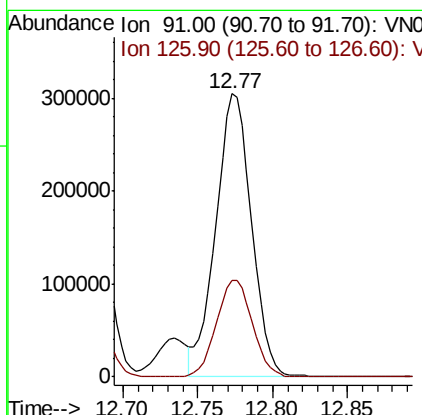
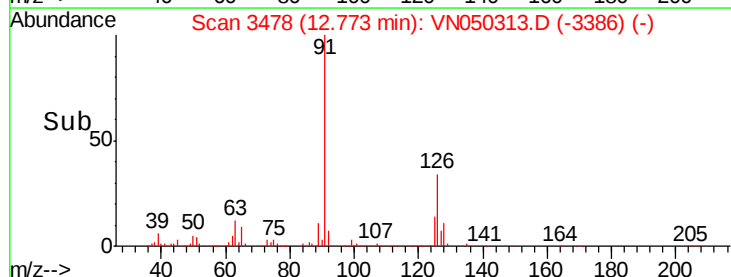
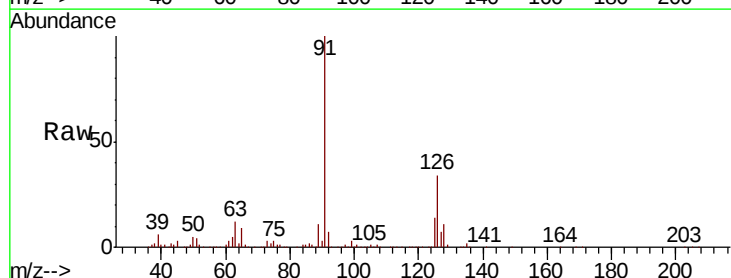
RT: 12.77 min Scan# 3478

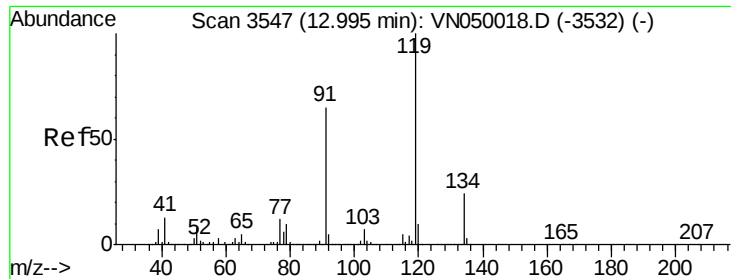
Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion:	91	Resp:	503506
Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.0	51.0





#83

tert-Butylbenzene

Concen: 21.68 ug/l

RT: 12.99 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

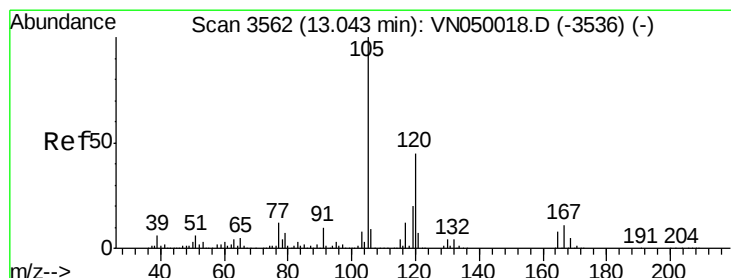
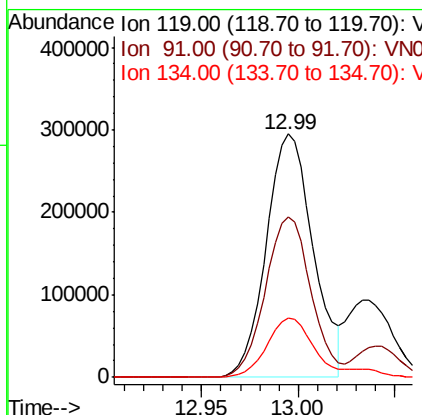
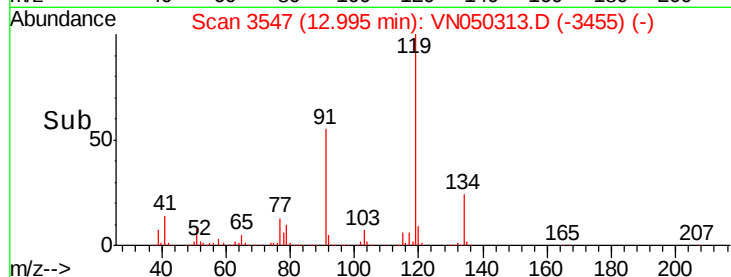
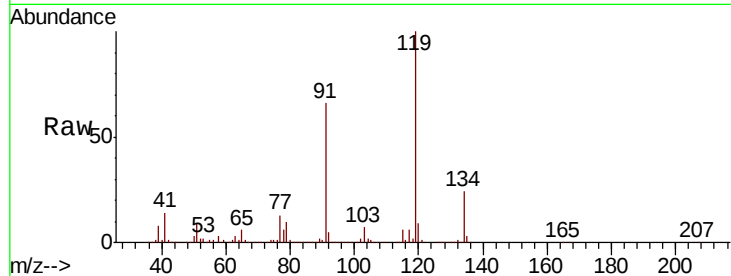
ClientSampled :

VN0803WBS02

Tot Ion:	119	Resp:	500067
Ion Ratio	Lower	Upper	
119	100		
91	63.9	32.1	96.3
134	23.9	13.2	39.5

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#84

1,2,4-Trimethylbenzene

Concen: 22.73 ug/l

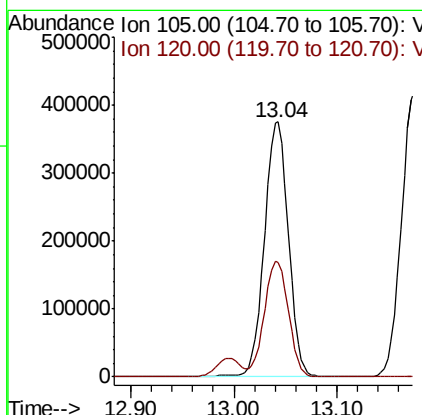
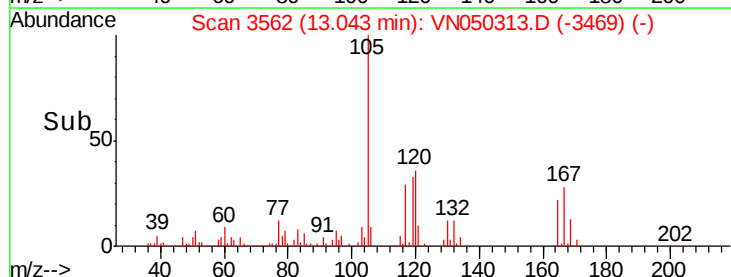
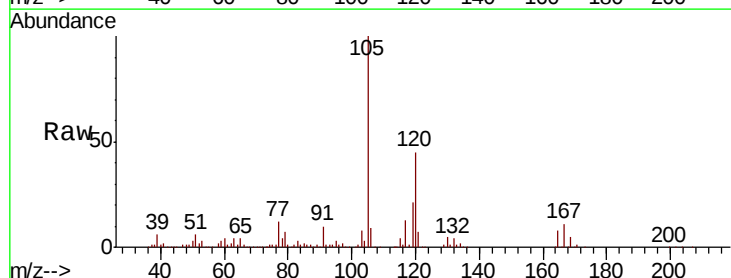
RT: 13.04 min Scan# 3562

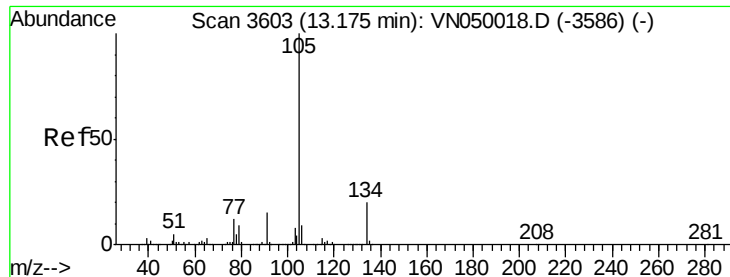
Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Tgt Ion:	105	Resp:	605545
Ion Ratio	Lower	Upper	
105	100		
120	46.0	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.46 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS02

Tot Ion:105 Resp: 661418

Ion Ratio Lower Upper

105 100

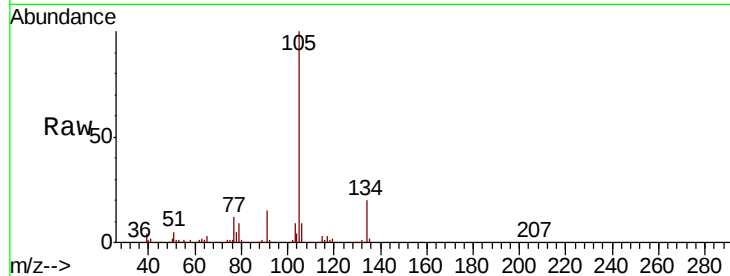
134 20.2 10.1 30.1

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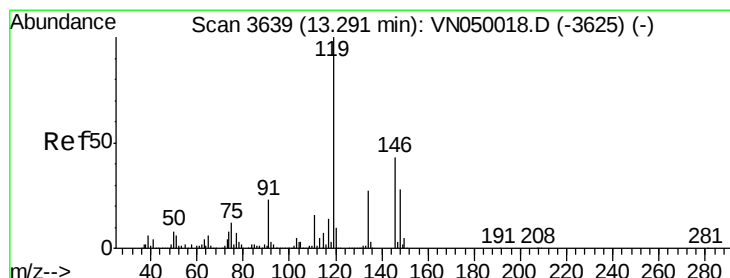
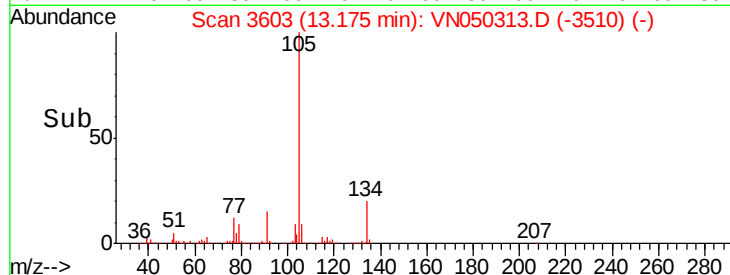
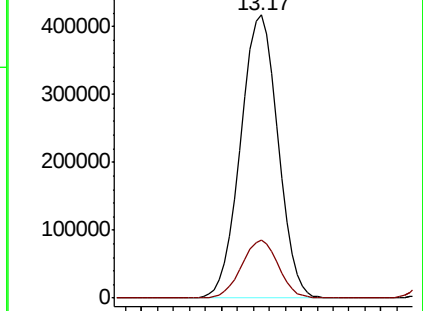
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.05 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050313.D

Acq: 3 Aug 2018 15:23

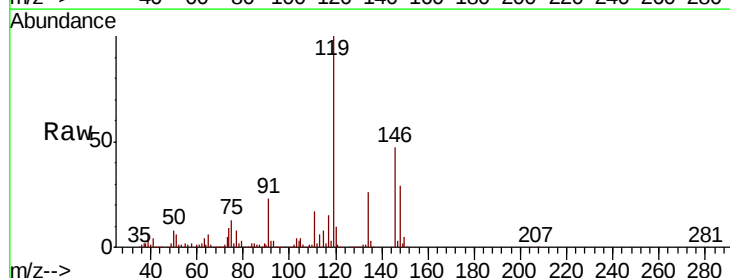
Tgt Ion:119 Resp: 572518

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

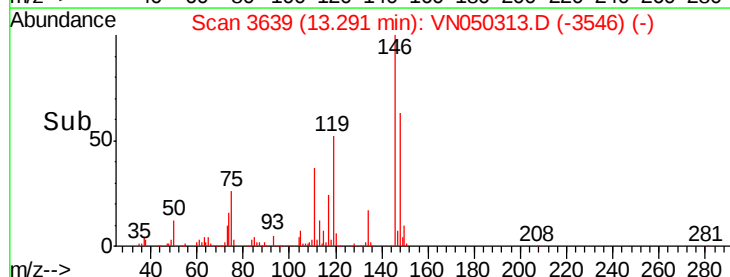
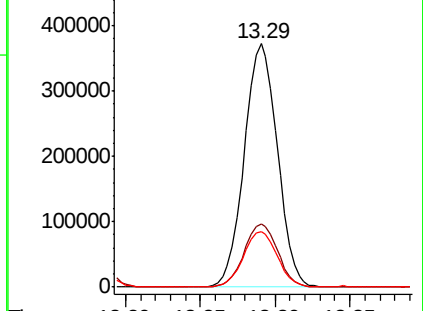
91 23.1 11.4 34.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





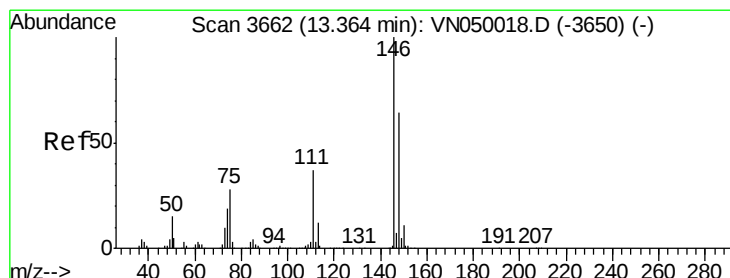
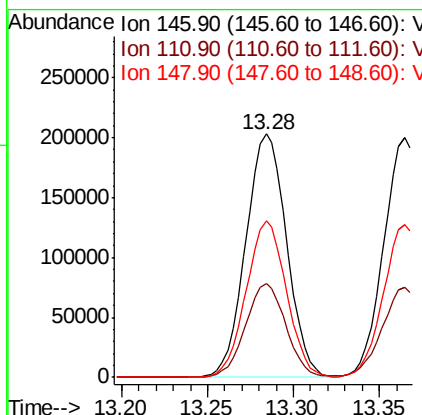
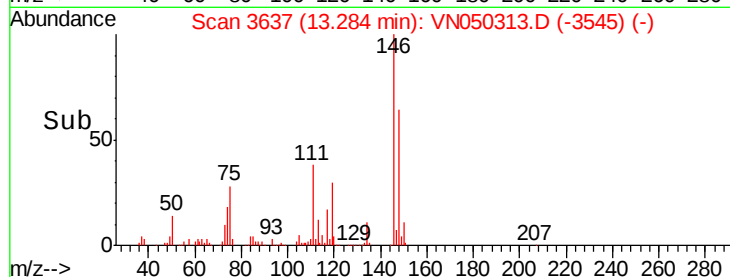
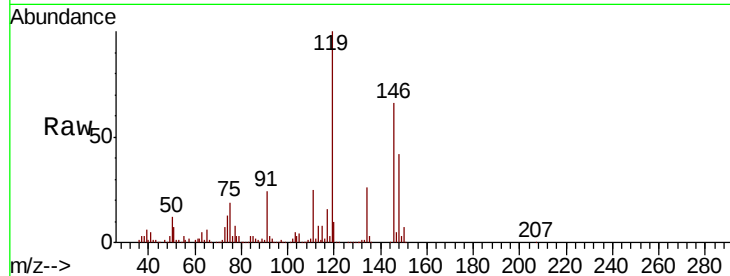
#87
 1,3-Dichlorobenzene
 Concen: 21.21 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS02

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.1	18.8	56.4	
148	63.3	31.9	95.9	

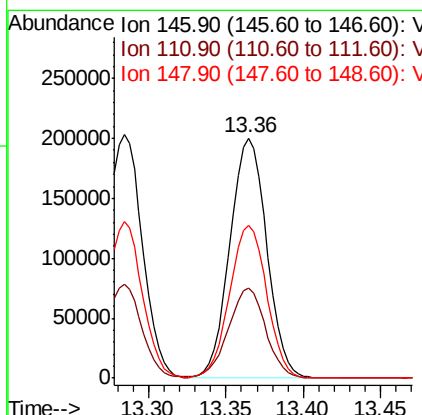
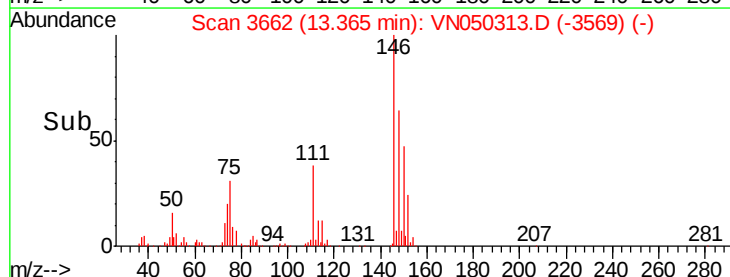
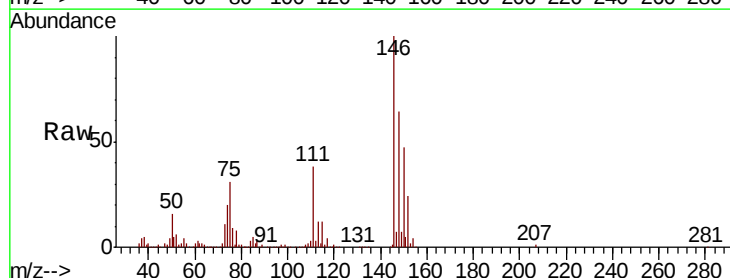
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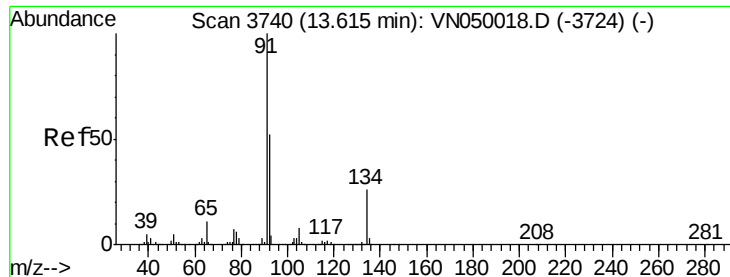
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#88
 1,4-Dichlorobenzene
 Concen: 21.47 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	38.4	18.3	54.9	
148	64.3	31.9	95.9	





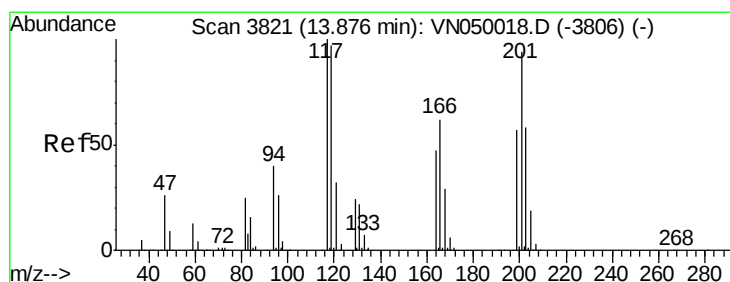
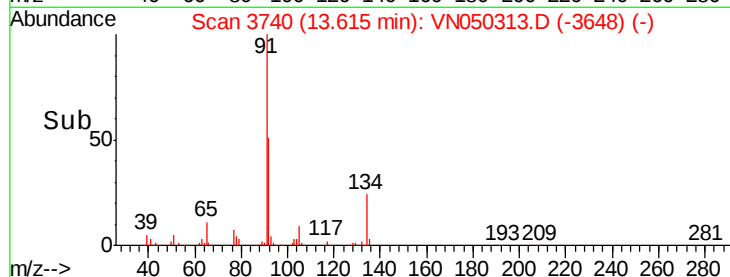
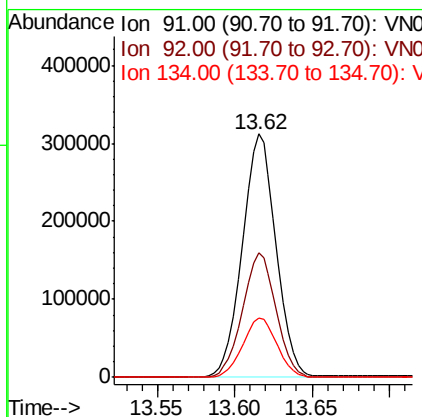
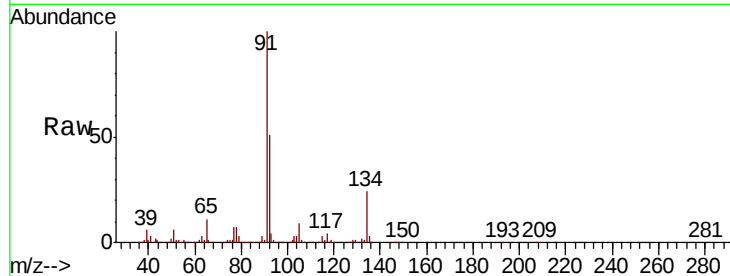
#89
n-Butylbenzene
Concen: 22.09 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.8	77.4
134	24.8	12.8	38.4

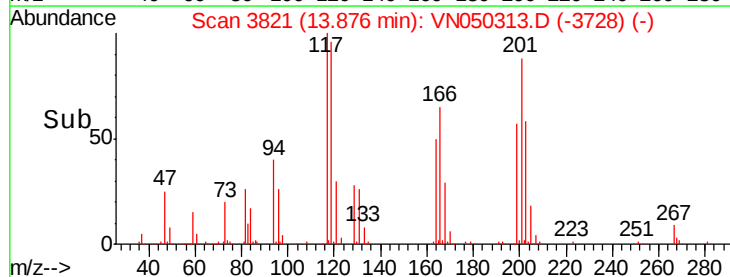
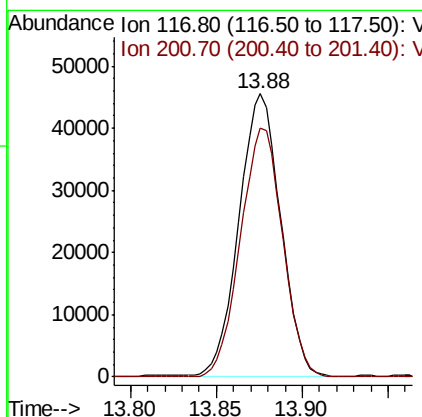
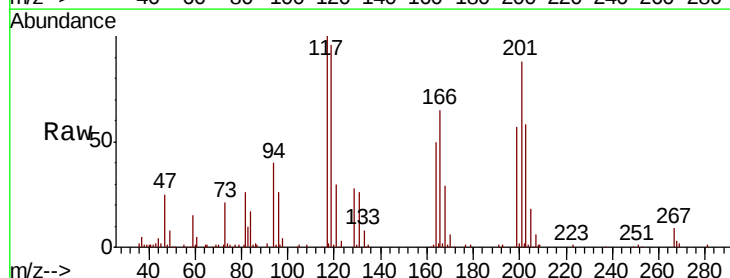
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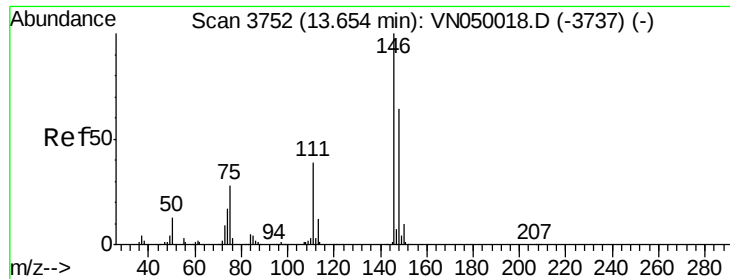
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#90
Hexachloroethane
Concen: 13.38 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	45.6	136.8





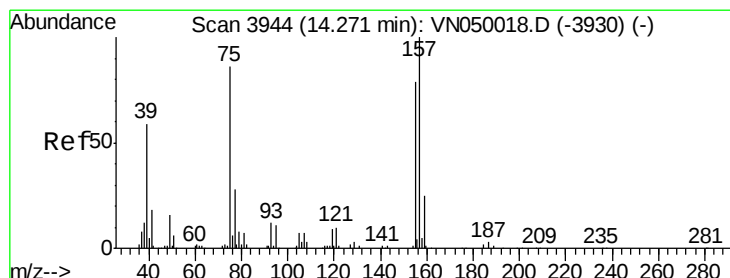
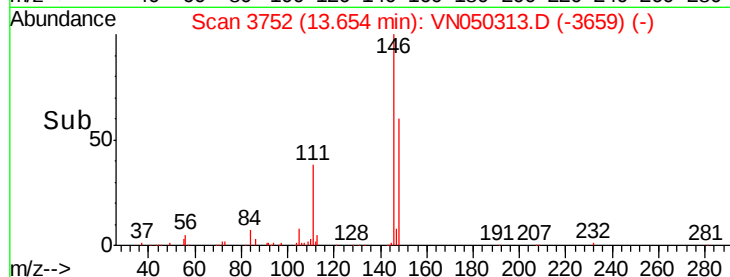
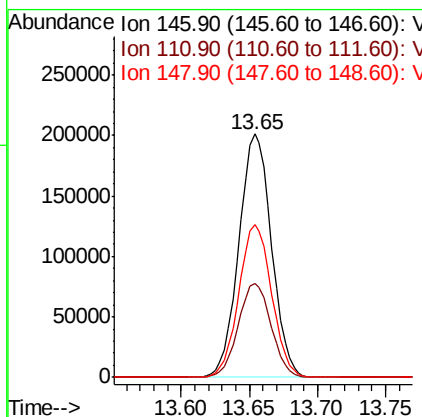
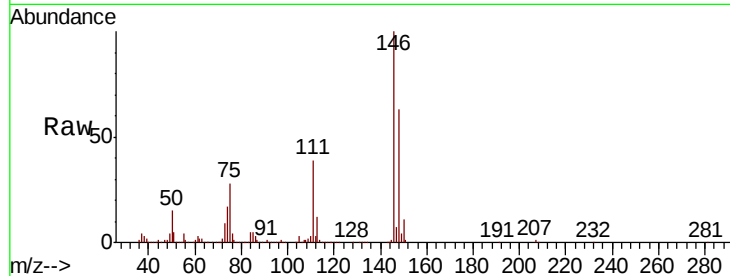
#91
 1,2-Dichlorobenzene
 Concen: 21.17 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.6	58.7
148	63.3	32.1	96.3

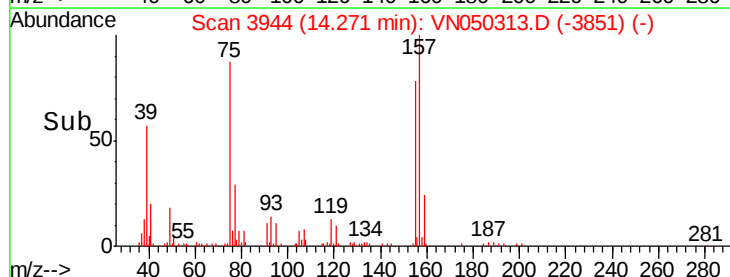
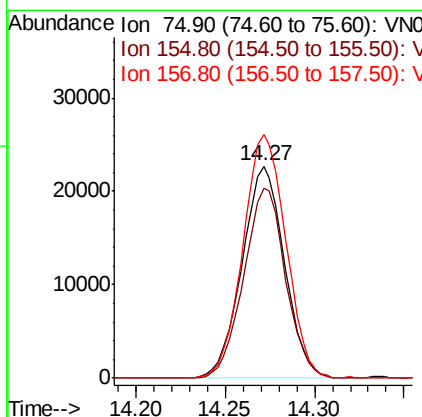
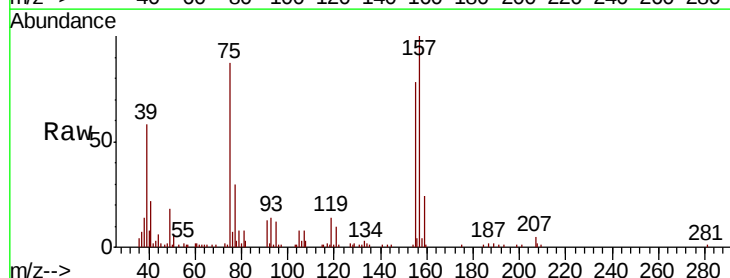
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 24.65 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.4	44.8	134.4
157	116.2	57.2	171.6





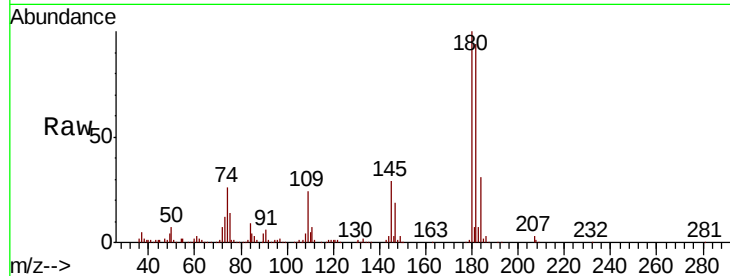
#93
 1,2,4-Trichlorobenzene
 Concen: 24.21 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	188447		
182	94.8	46.7	140.1	
145	28.7	13.8	41.4	

Manual Integrations
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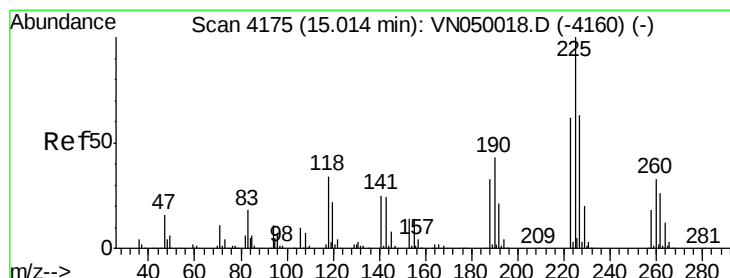
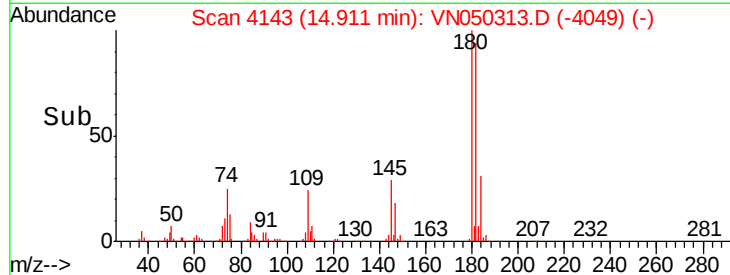
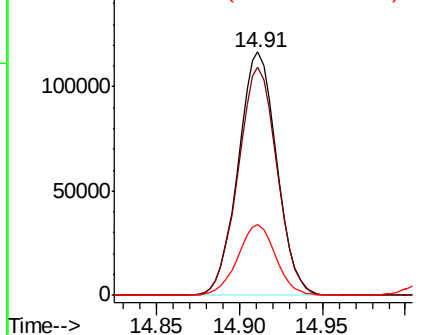


Abundance

Ion 179.80 (179.50 to 180.50): V

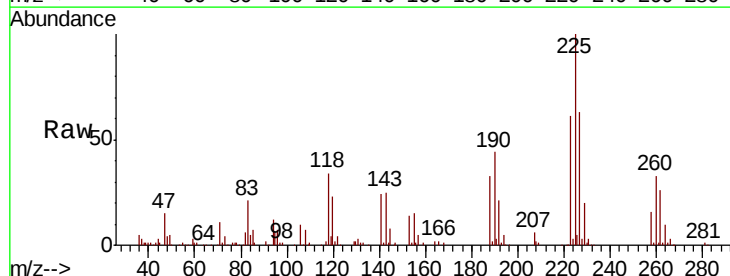
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 21.97 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050313.D
 Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	106142		
223	61.9	31.4	94.2	
227	63.2	32.1	96.5	

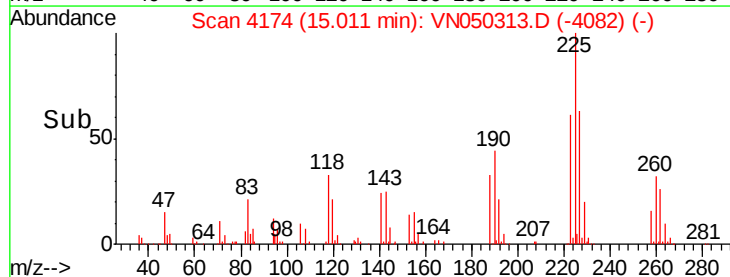
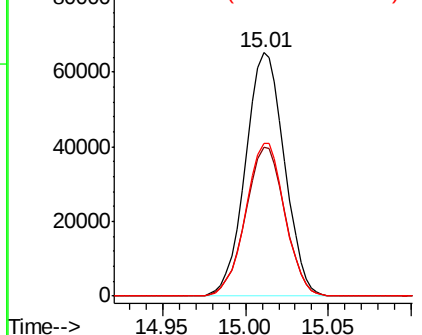


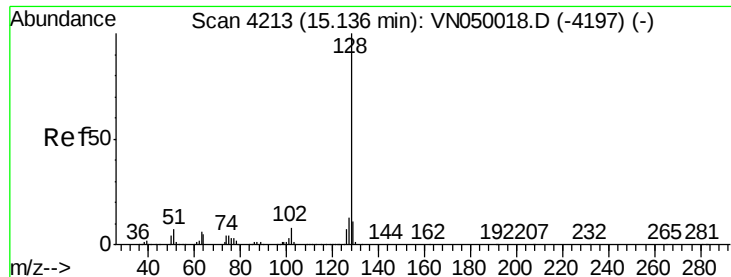
Abundance

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





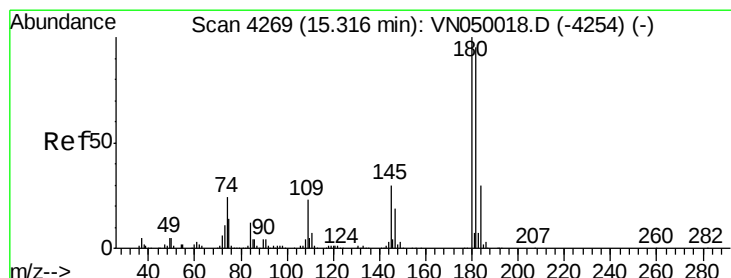
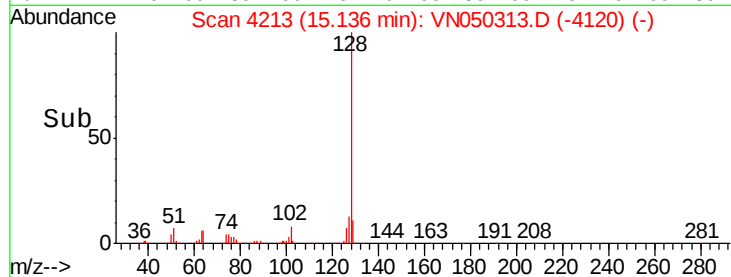
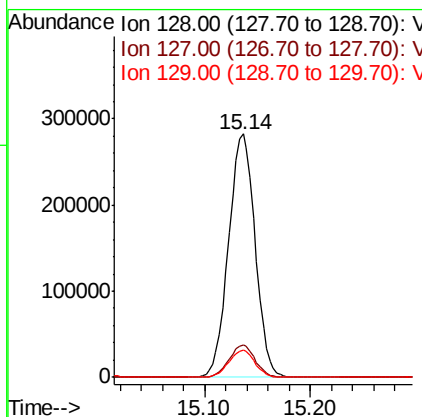
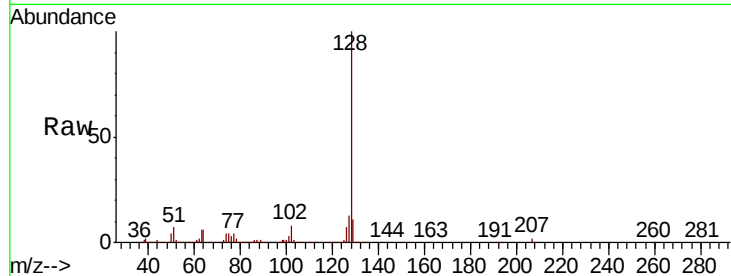
#95
Naphthalene
Concen: 27.07 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	491752		
127	13.0		10.4	15.6
129	11.0		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 24.31 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050313.D
Acq: 3 Aug 2018 15:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	188480		
182	94.9		48.1	144.4
145	30.2		15.3	45.9

