

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080318\
 Data File : VN050331.D
 Acq On : 3 Aug 2018 23:41
 Operator : MD\SY
 Sample : VN0803WBS03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

Manual Integrations
 APPROVED

MMDadoda
 8/6/2018 11:37:03 AM

Quant Time: Aug 04 01:55:09 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	593891	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	897519	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	816135	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	427927	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	424587	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
35) Dibromofluoromethane	7.59	113	372159	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.09	98	1352443	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
62) 4-Bromofluorobenzene	12.40	95	451054	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	164144	19.24	ug/l	96
3) Chloromethane	2.06	50	163106	17.58	ug/l	100
4) Vinyl Chloride	2.18	62	181646	18.60	ug/l	97
5) Bromomethane	2.56	94	86784	15.30	ug/l	100
6) Chloroethane	2.70	64	108651	18.52	ug/l	98
7) Trichlorofluoromethane	3.01	101	248561	19.64	ug/l	98
8) Diethyl Ether	3.41	74	89289	21.17	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.75	101	152036	19.98	ug/l	99
10) Methyl Iodide	3.95	142	81609	8.36	ug/l	99
11) Tert butyl alcohol	4.80	59	73257	120.16	ug/l	99
12) 1,1-Dichloroethene	3.73	96	135212	19.75	ug/l	98
13) Acrolein	3.61	56	71738	146.45	ug/l	98
14) Allyl chloride	4.32	41	209896	19.78	ug/l	98
15) Acrylonitrile	5.00	53	302508	113.73	ug/l	99
16) Acetone	3.82	43	247657	124.71	ug/l	99
17) Carbon Disulfide	4.05	76	341826	16.30	ug/l	99
18) Methyl Acetate	4.33	43	226080	29.10	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	404266	22.16	ug/l	99
20) Methylene Chloride	4.55	84	162943	21.46	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	142608	19.66	ug/l	99
22) Diisopropyl ether	5.96	45	485189	23.05	ug/l	98
23) Vinyl Acetate	5.90	43	1524222	102.49	ug/l	100
24) 1,1-Dichloroethane	5.85	63	287714	20.91	ug/l	99
25) 2-Butanone	6.84	43	361607	114.41	ug/l	98
26) 2,2-Dichloropropane	6.83	77	175485	16.76	ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	165423	21.19	ug/l	99
28) Bromochloromethane	7.20	49	133866	21.33	ug/l	99
29) Tetrahydrofuran	7.22	42	236432	115.77	ug/l	99
30) Chloroform	7.37	83	297919	21.21	ug/l	98
31) Cyclohexane	7.66	56	220561	19.28	ug/l	96
32) 1,1,1-Trichloroethane	7.57	97	249234	20.75	ug/l	100
36) 1,1-Dichloropropene	7.79	75	204128	20.19	ug/l	99
37) Ethyl Acetate	6.93	43	153383	21.76	ug/l	99
38) Carbon Tetrachloride	7.78	117	215327	20.07	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	194371	18.69	ug/l	100
40) Benzene	8.04	78	645040	20.96	ug/l	100
41) Methacrylonitrile	7.18	41	80558	23.48	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	216435	21.08	ug/l	99
43) Isopropyl Acetate	8.17	43	296323	21.66	ug/l	98
44) Trichloroethene	8.84	130	166927	20.19	ug/l	100
45) 1,2-Dichloropropane	9.12	63	175127	21.49	ug/l	96
46) Dibromomethane	9.21	93	107055	21.15	ug/l	98
47) Bromodichloromethane	9.41	83	223828	20.96	ug/l	100
48) Methyl methacrylate	9.20	41	137231	22.60	ug/l	100
49) 1,4-Dioxane	9.20	88	40062	484.84	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	807307	116.49	ug/l	100
52) Toluene	10.16	92	393309	21.65	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	208437	20.68	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	240371	20.87	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	163654	22.72	ug/l	99
56) Ethyl methacrylate	10.43	69	190407	20.75	ug/l	100
57) 1,3-Dichloropropane	10.71	76	256505	21.86	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	420919	97.70	ug/l	100
59) 2-Hexanone	10.75	43	554771	111.86	ug/l	99
60) Dibromochloromethane	10.90	129	172574	21.64	ug/l	99
61) 1,2-Dibromoethane	11.01	107	157864	22.08	ug/l	99
64) Tetrachloroethene	10.63	164	160909	20.51	ug/l	99
65) Chlorobenzene	11.44	112	427878	20.76	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	167358	21.13	ug/l	100
67) Ethyl Benzene	11.51	91	705908	21.32	ug/l	100
68) m/p-Xylenes	11.63	106	551510	44.03	ug/l	100
69) o-Xylene	11.95	106	264644	22.16	ug/l	97
70) Styrene	11.97	104	433059	20.94	ug/l	99
71) Bromoform	12.13	173	122041	21.18	ug/l #	99
73) Isopropylbenzene	12.25	105	689772	20.78	ug/l	98
74) N-amyl acetate	12.07	43	219204	21.61	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	212265	22.99	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	166534m	20.94	ug/l	
77) Bromobenzene	12.53	156	187983	20.44	ug/l	98
78) n-propylbenzene	12.59	91	798828	21.53	ug/l	100
79) 2-Chlorotoluene	12.68	91	489801	21.30	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	581691	22.28	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	49190	19.62	ug/l	97
82) 4-Chlorotoluene	12.78	91	492153	21.62	ug/l	98
83) tert-Butylbenzene	12.99	119	495279	21.74	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	597910	22.72	ug/l	99
85) sec-Butylbenzene	13.17	105	662917	21.78	ug/l	100
86) p-Isopropyltoluene	13.29	119	565648	22.05	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	327334	20.99	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	324809	21.37	ug/l	99
89) n-Butylbenzene	13.62	91	441005	20.91	ug/l	100
90) Hexachloroethane	13.88	117	95926	16.84	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	329792	21.16	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	34239	22.71	ug/l	97

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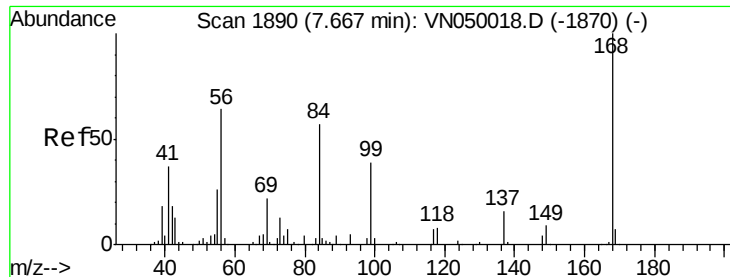
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	165941	21.92	ug/l	98
94) Hexachlorobutadiene	15.01	225	93602	19.62	ug/l	99
95) Naphthalene	15.14	128	387066	22.47	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	167176	22.05	ug/l	100

(#) = 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: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

Tot Ion:168 Resp: 593891

Ion Ratio Lower Upper

168 100

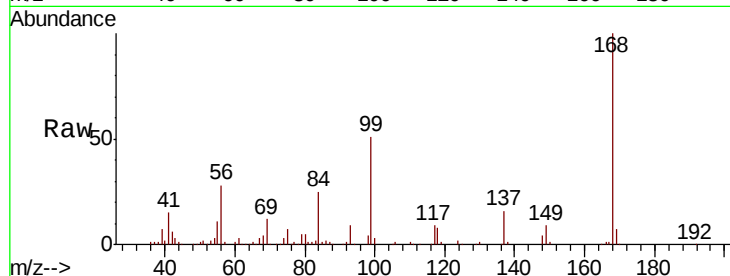
99 50.9 40.0 60.0

Manual Integrations

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8/6/2018 11:37:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

250000

200000

150000

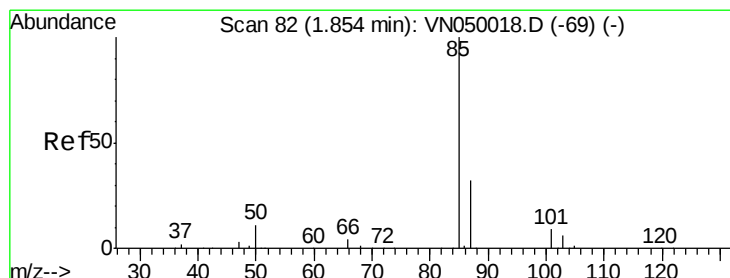
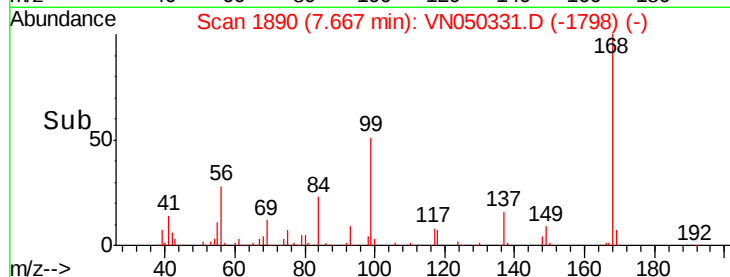
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 19.24 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050331.D

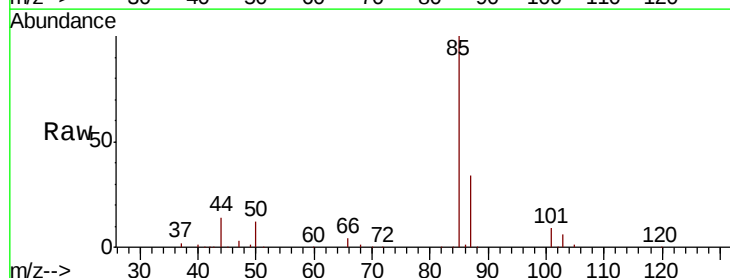
Acq: 3 Aug 2018 23:41

Tgt Ion: 85 Resp: 164144

Ion Ratio Lower Upper

85 100

87 34.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

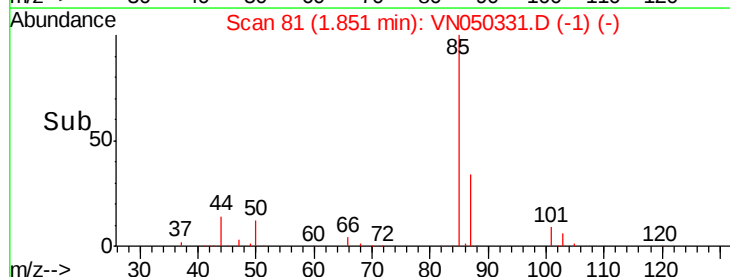
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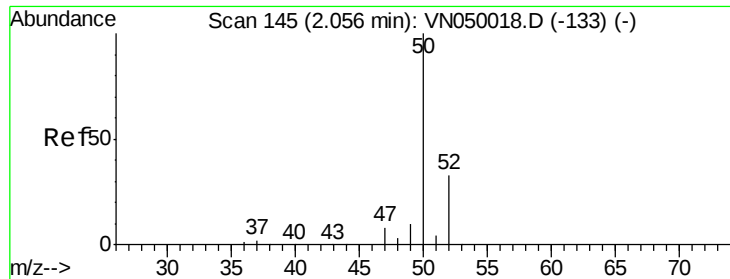
50000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.58 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

Tot Ion: 50 Resp: 163106

Ion Ratio Lower Upper

50 100

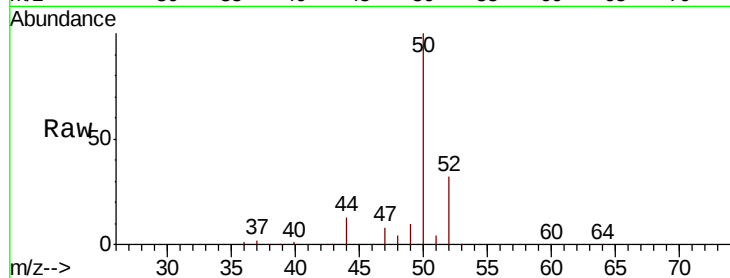
52 32.2 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

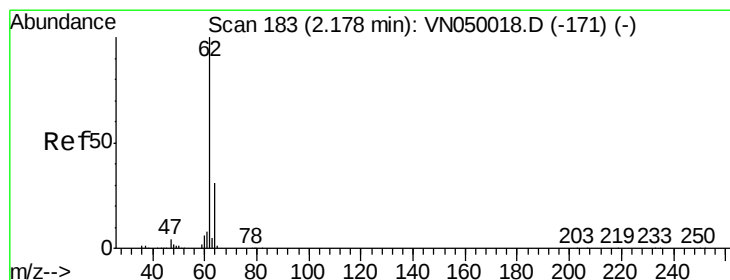
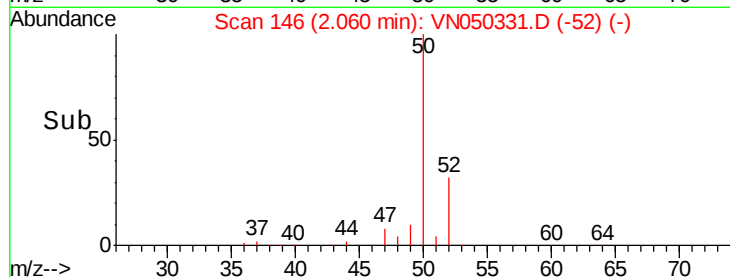
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 18.60 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050331.D

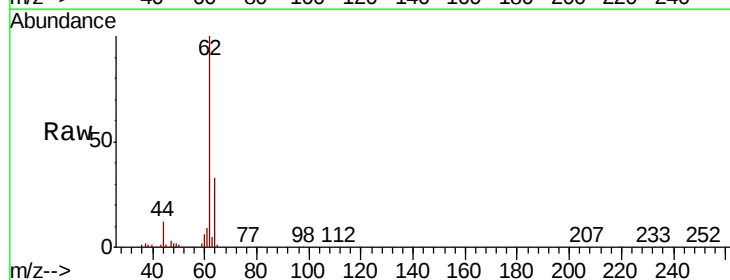
Acq: 3 Aug 2018 23:41

Tgt Ion: 62 Resp: 181646

Ion Ratio Lower Upper

62 100

64 32.5 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

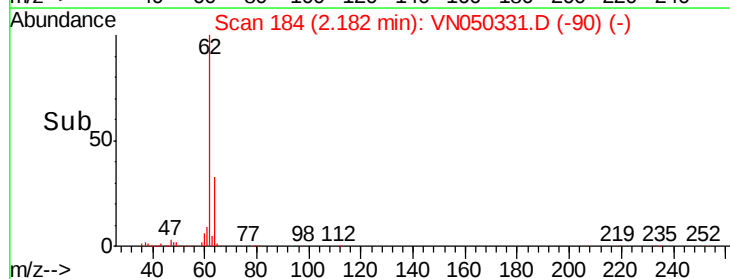
2.18

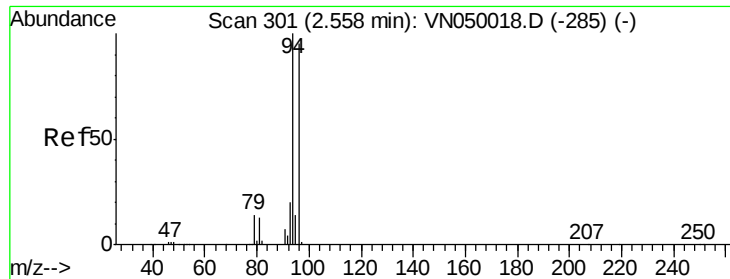
100000

50000

0

Time-->





#5

Bromomethane

Concen: 15.30 ug/l

RT: 2.56 min Scan# 302

Delta R.T. 0.01 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

Tot Ion: 94 Resp: 86784

Ion Ratio Lower Upper

94 100

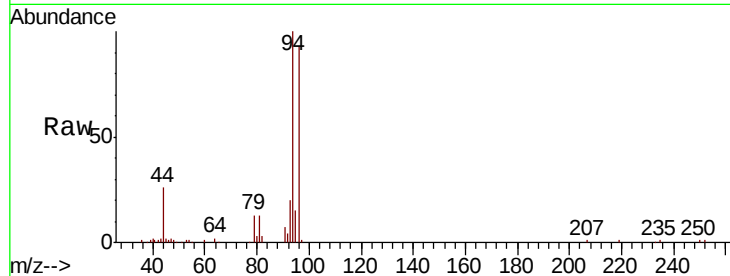
96 93.0 74.6 112.0

Manual Integrations

APPROVED

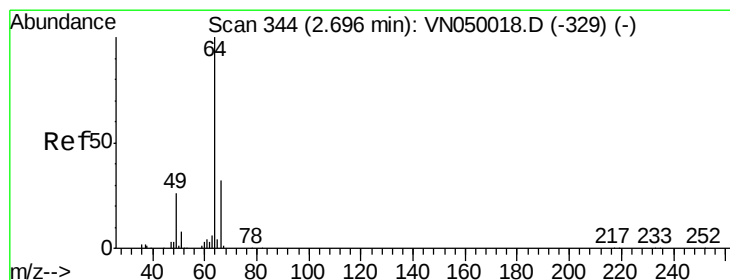
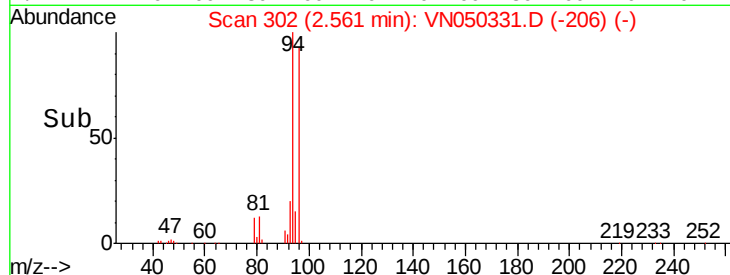
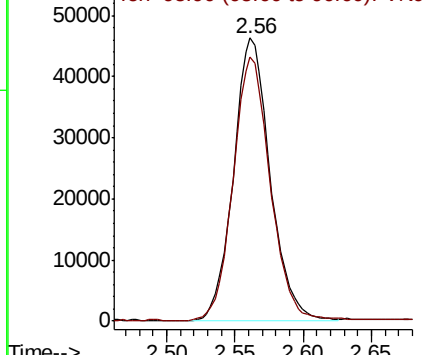
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.52 ug/l

RT: 2.70 min Scan# 344

Delta R.T. 0.00 min

Lab File: VN050331.D

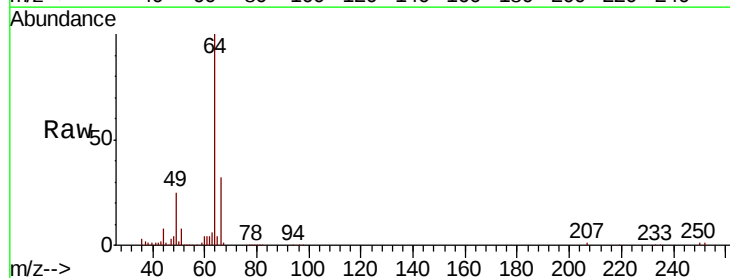
Acq: 3 Aug 2018 23:41

Tgt Ion: 64 Resp: 108651

Ion Ratio Lower Upper

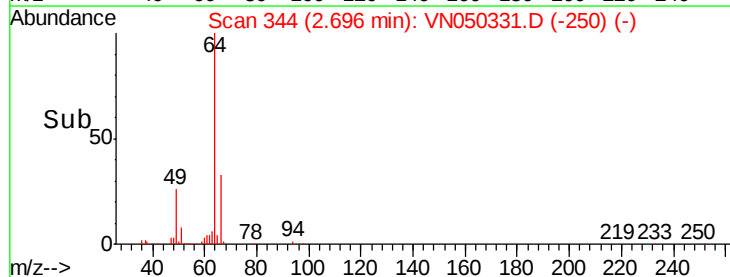
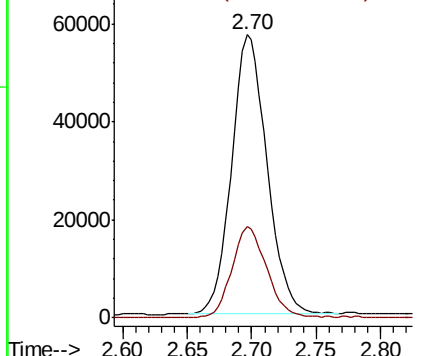
64 100

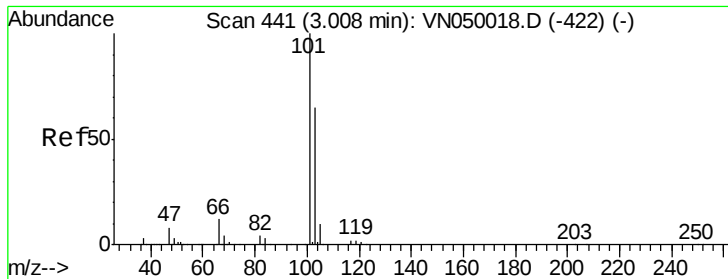
66 32.7 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

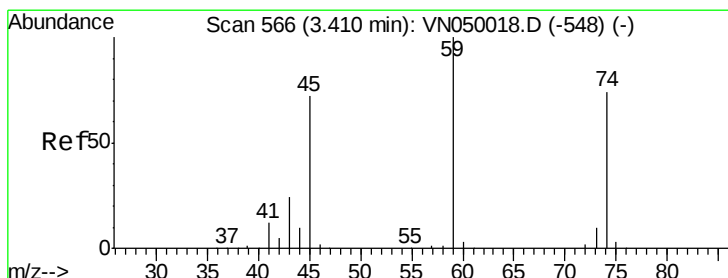
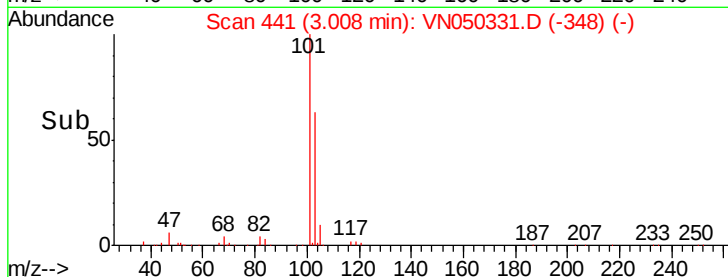
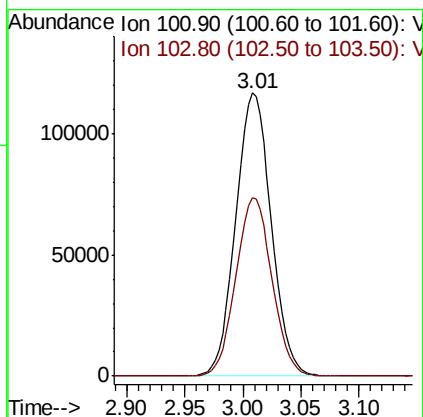
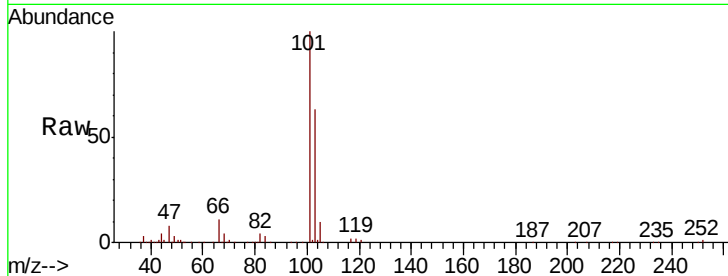
Trichlorofluoromethane
Concen: 19.64 ug/l
RT: 3.01 min Scan# 441
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
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ClientSampleId :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.1	51.7	77.5

Manual Integrations
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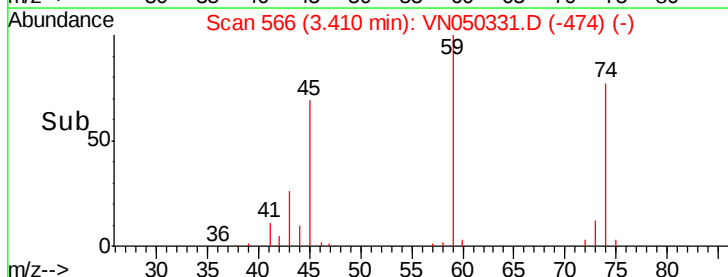
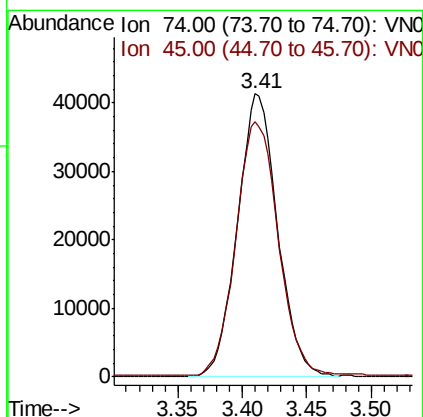
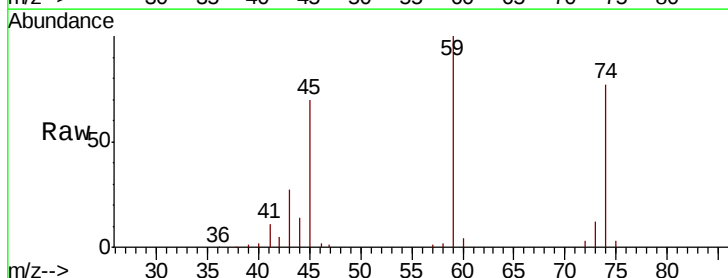
MMDadoda
8/6/2018 11:37:03 AM

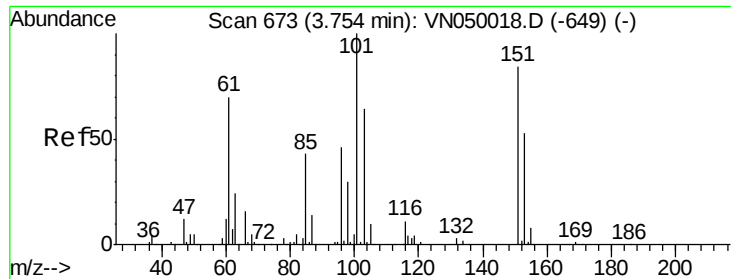


#8

Diethyl Ether
Concen: 21.17 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.4	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.98 ug/l

RT: 3.75 min Scan# 673

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

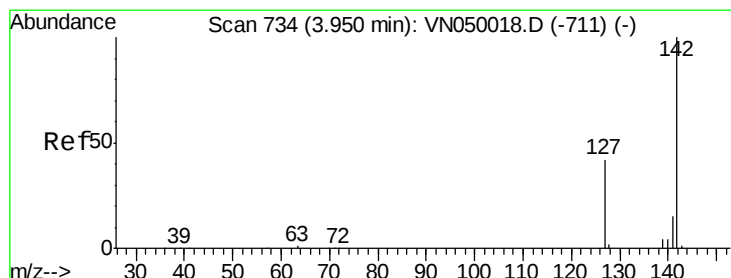
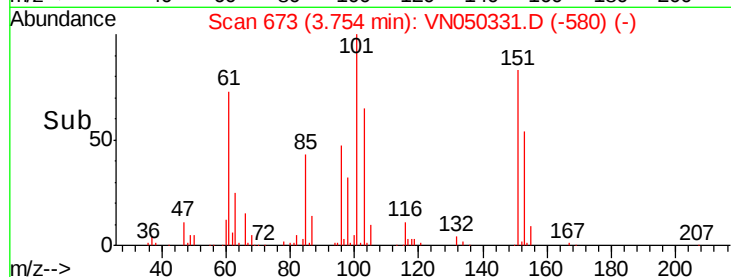
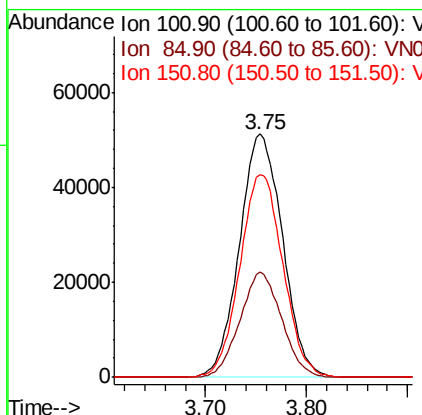
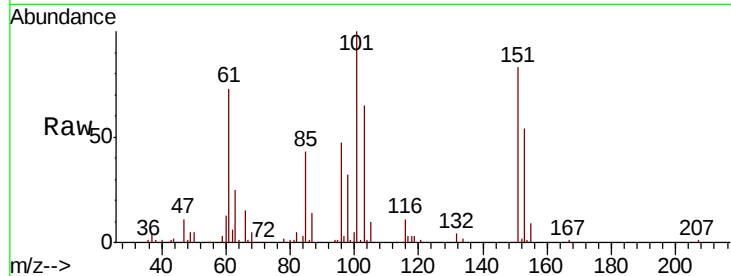
ClientSampled :

VN0803WBS03

Tot Ion:	101	Resp:	152036
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.2
151	83.3	66.3	99.5

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#10

Methyl Iodide

Concen: 8.36 ug/l

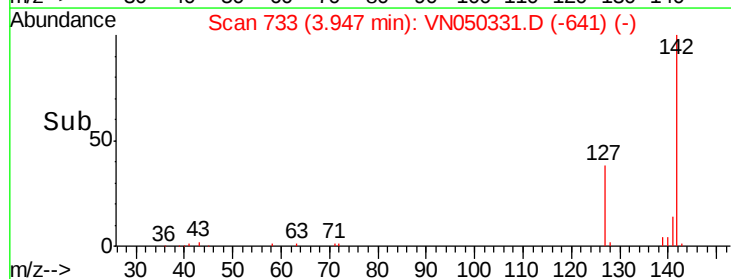
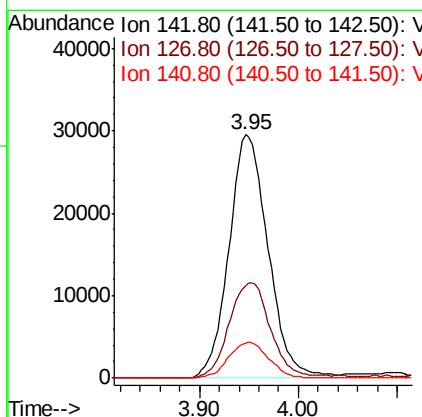
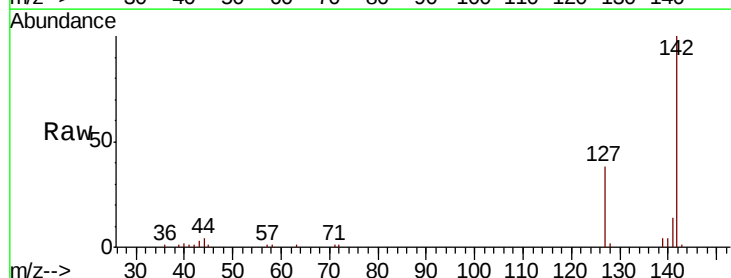
RT: 3.95 min Scan# 733

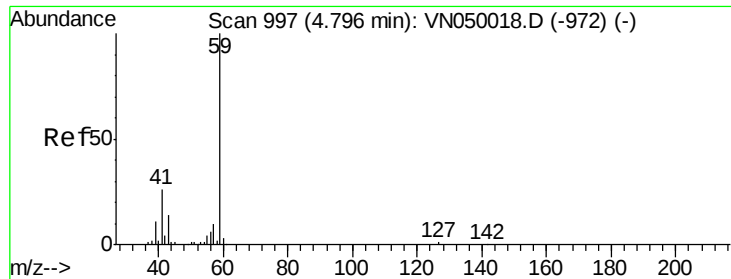
Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion:	142	Resp:	81609
Ion Ratio	Lower	Upper	
142	100		
127	41.3	33.4	50.2
141	15.0	11.6	17.4





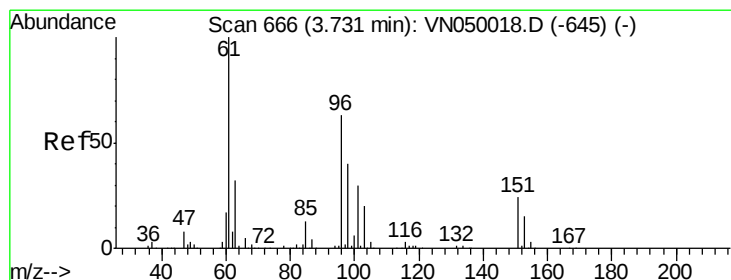
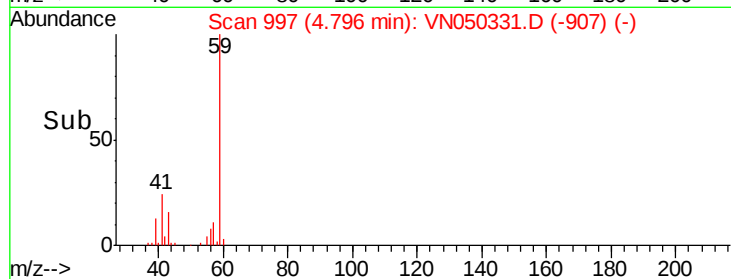
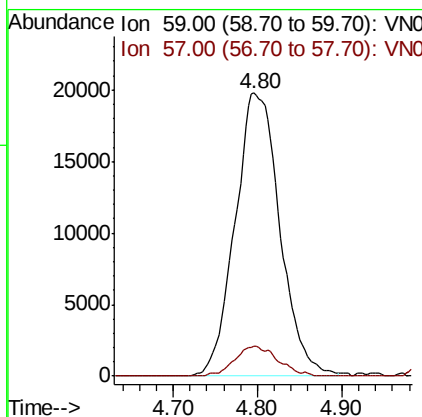
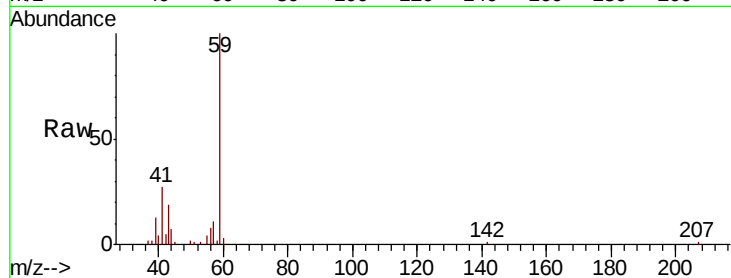
#11
Tert butyl alcohol
Concen: 120.16 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.01 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	59	Resp	73257
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

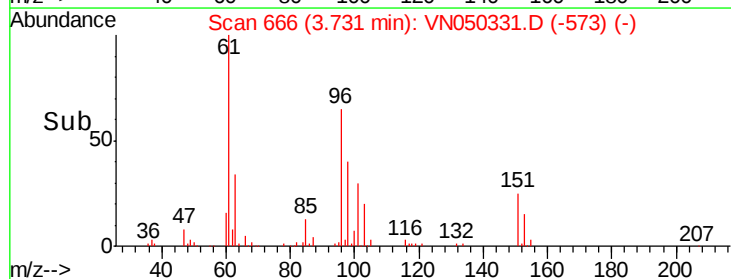
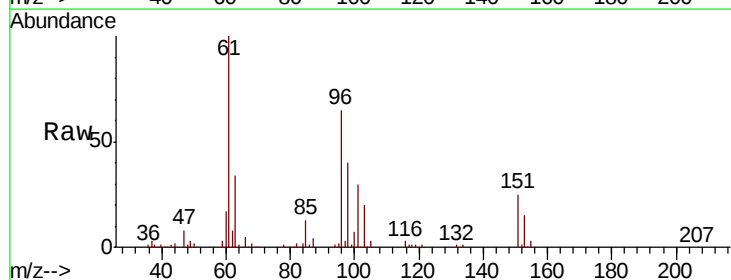
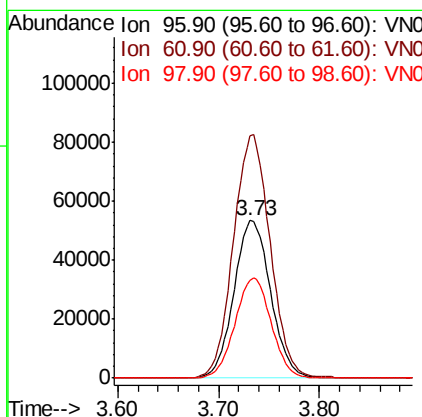
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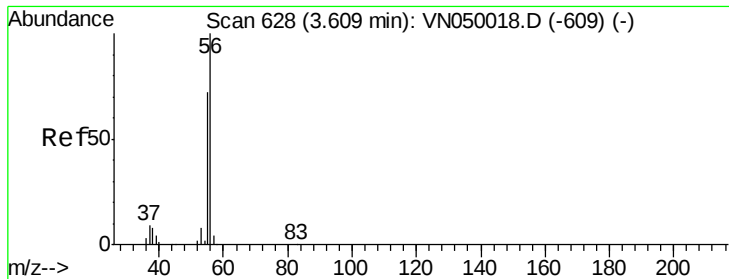
MMDadoda
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#12
1,1-Dichloroethene
Concen: 19.75 ug/l
RT: 3.73 min Scan# 666
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	96	Resp	135212
Ion Ratio	100	Lower	Upper
61	153.4	124.4	186.6
98	62.1	48.3	72.5





#13

Acrolein

Concen: 146.45 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

Tot Ion: 56 Resp: 71738

Ion Ratio Lower Upper

56 100

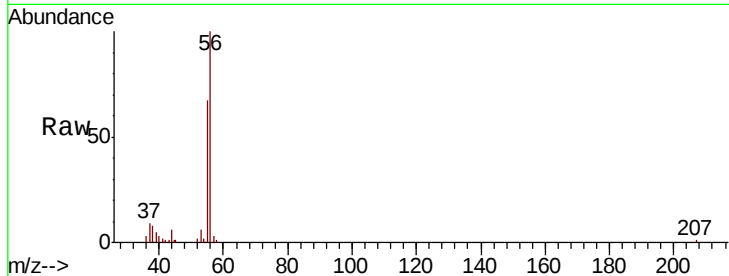
55 71.3 55.8 83.6

Manual Integrations

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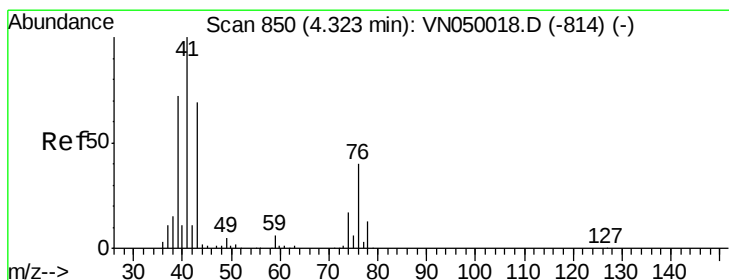
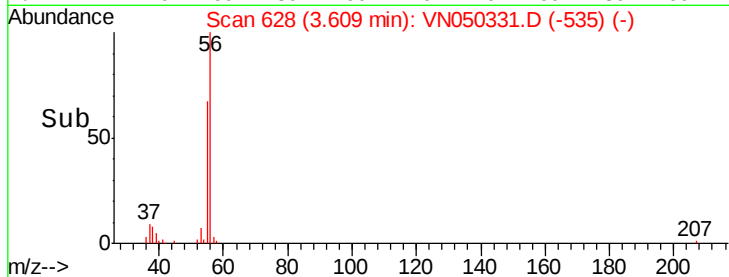
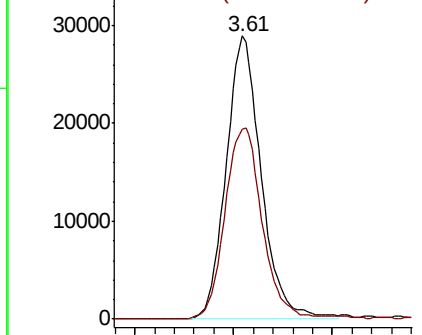
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 19.78 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

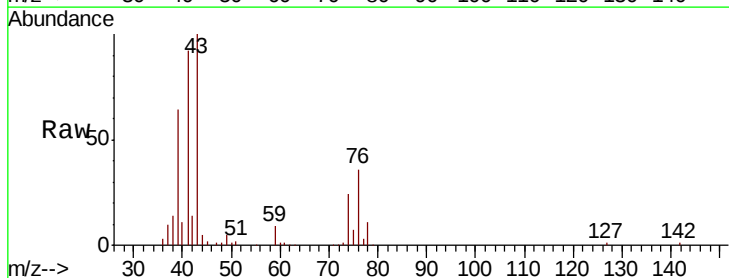
Tgt Ion: 41 Resp: 209896

Ion Ratio Lower Upper

41 100

39 66.5 54.2 81.4

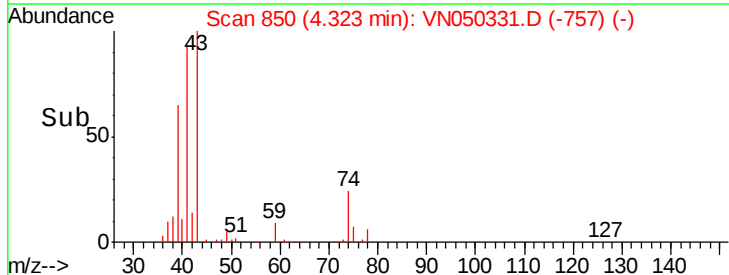
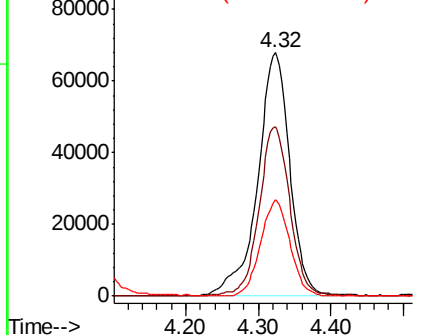
76 35.4 29.0 43.6

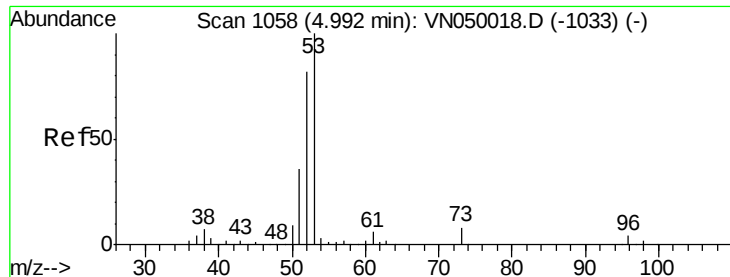


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





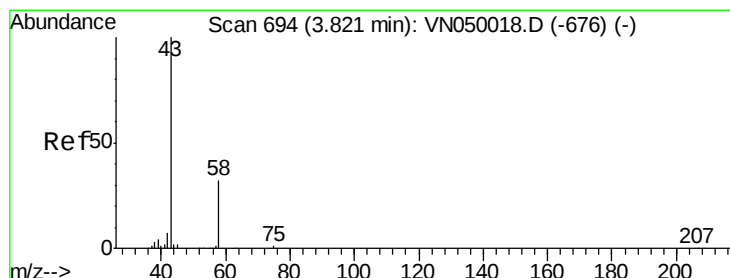
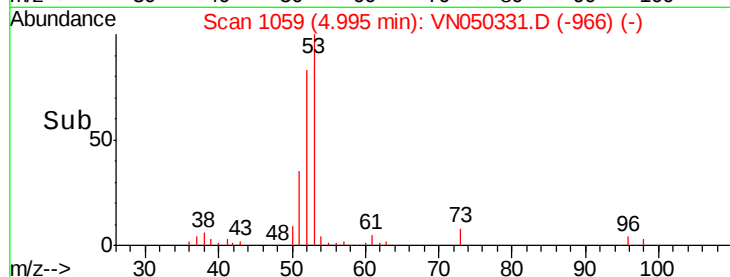
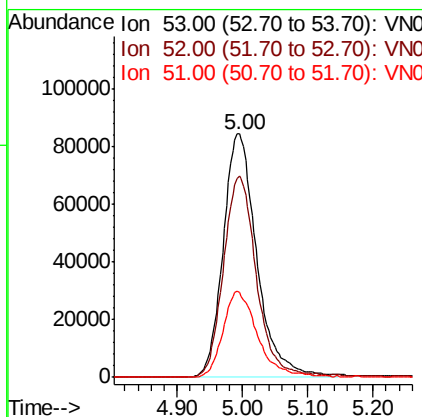
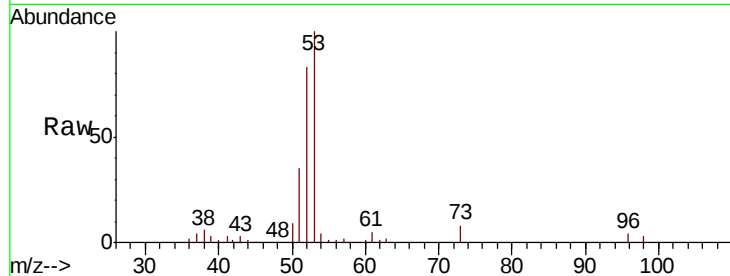
#15
 Acrylonitrile
 Concen: 113.73 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS03

Tot Ion:	53	Resp:	302508
Ion Ratio	Lower	Upper	
53	100		
52	80.9	66.2	99.2
51	36.3	29.3	43.9

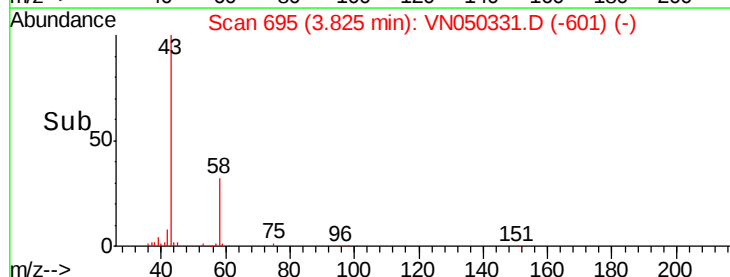
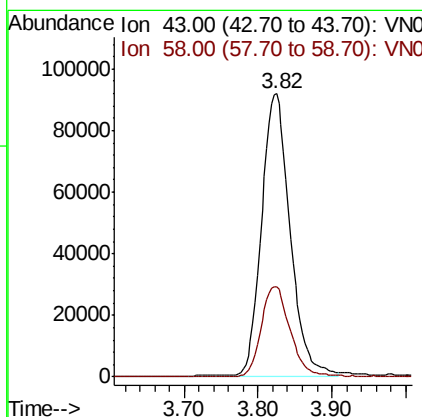
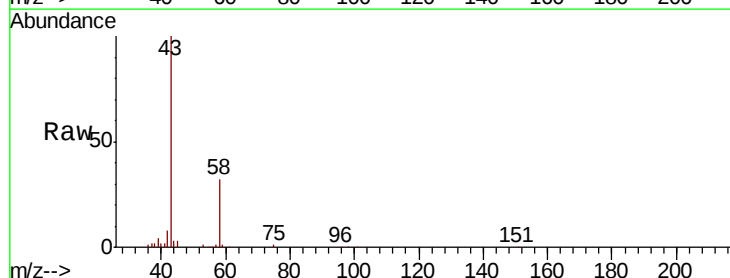
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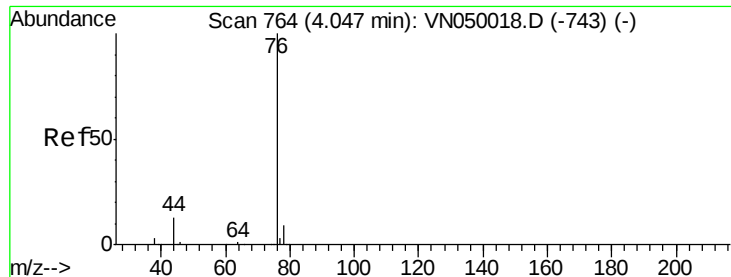
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#16
 Acetone
 Concen: 124.71 ug/l
 RT: 3.82 min Scan# 695
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion:	43	Resp:	247657
Ion Ratio	Lower	Upper	
43	100		
58	31.6	25.8	38.8





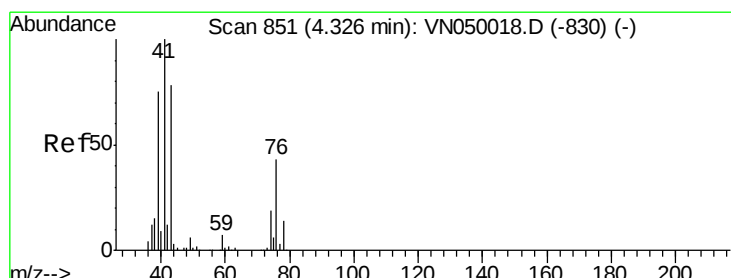
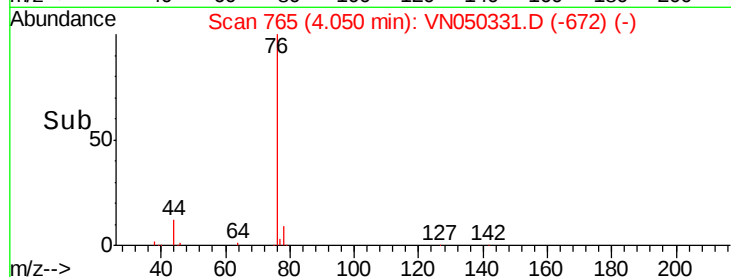
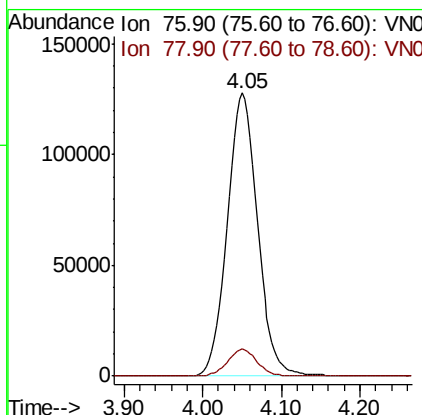
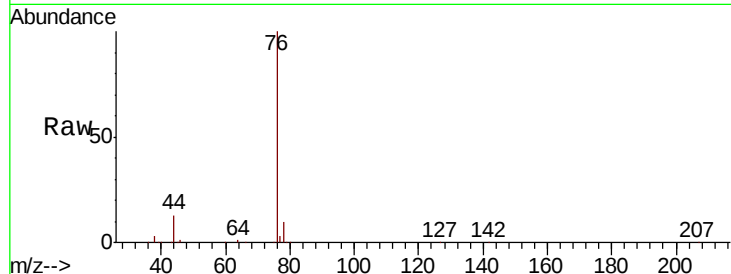
#17
Carbon Disulfide
Concen: 16.30 ug/l
RT: 4.05 min Scan# 765
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.3	10.9

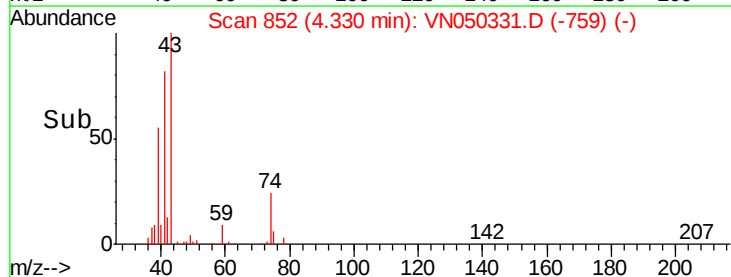
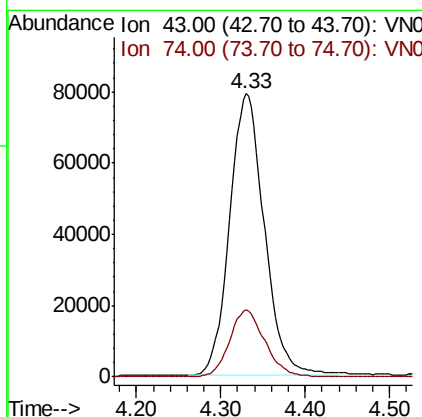
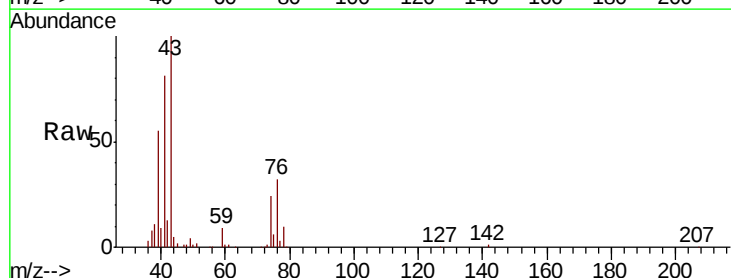
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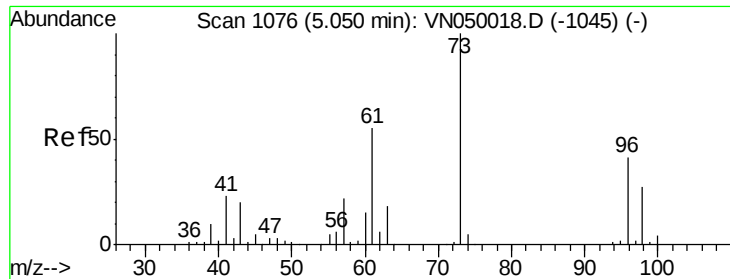
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#18
Methyl Acetate
Concen: 29.10 ug/l
RT: 4.33 min Scan# 852
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.2	28.8





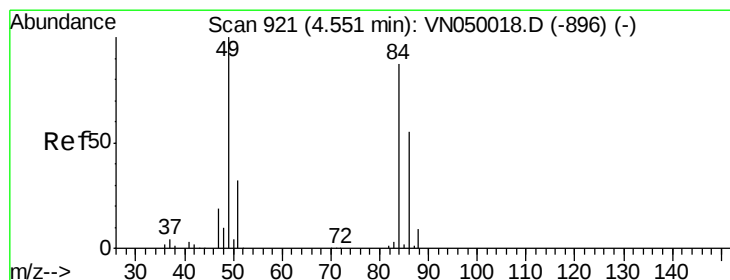
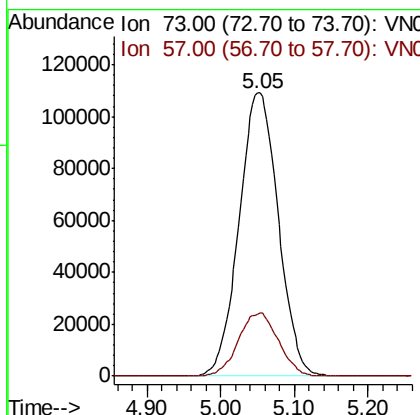
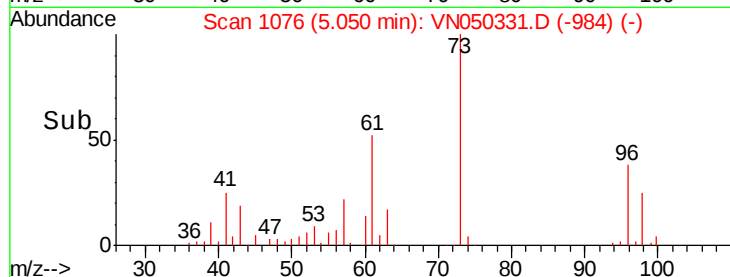
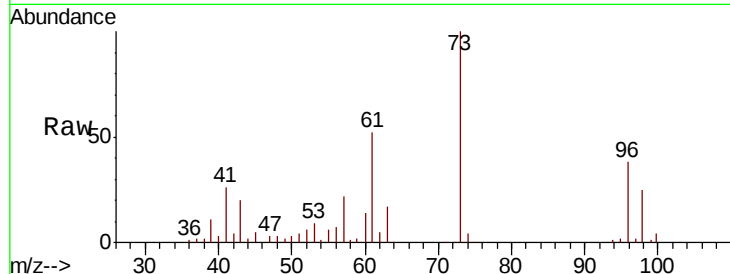
#19
Methyl tert-butyl Ether
Concen: 22.16 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

Tot Ion: 73 Resp: 404266
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0

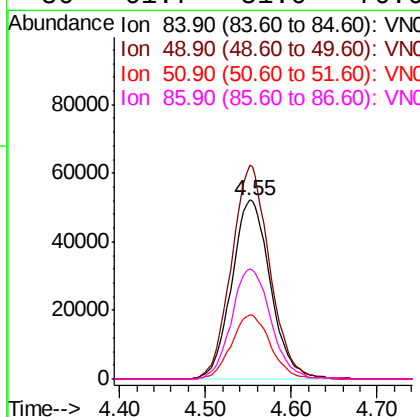
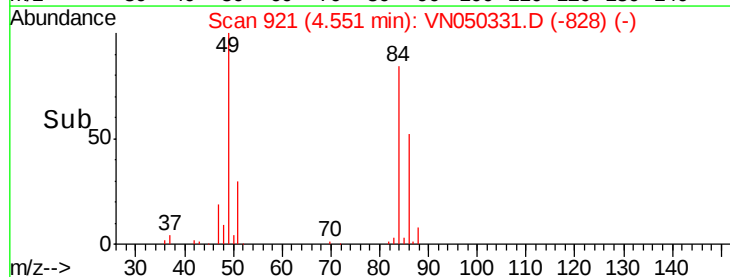
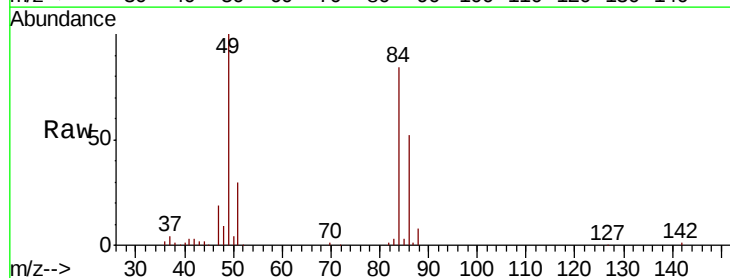
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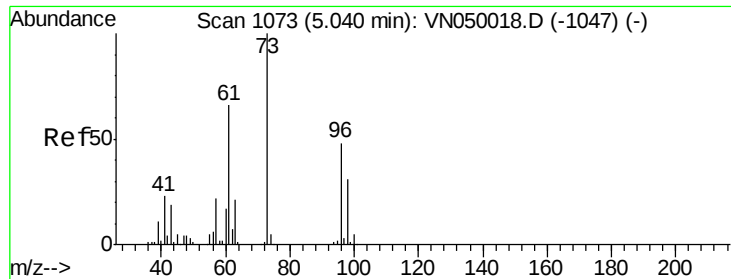
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#20
Methylene Chloride
Concen: 21.46 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 84 Resp: 162943
Ion Ratio Lower Upper
84 100
49 119.4 94.8 142.2
51 36.1 28.3 42.5
86 61.7 51.0 76.6





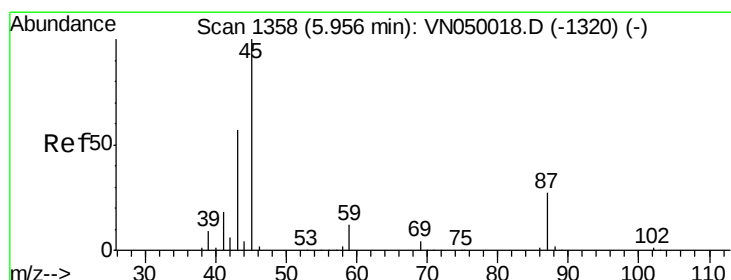
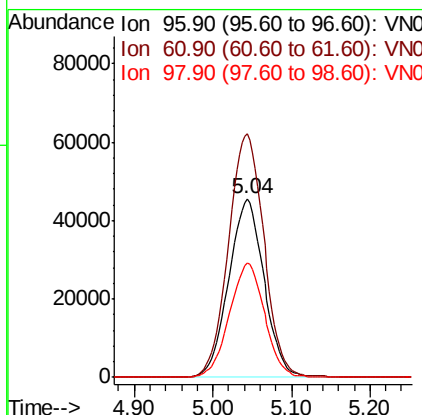
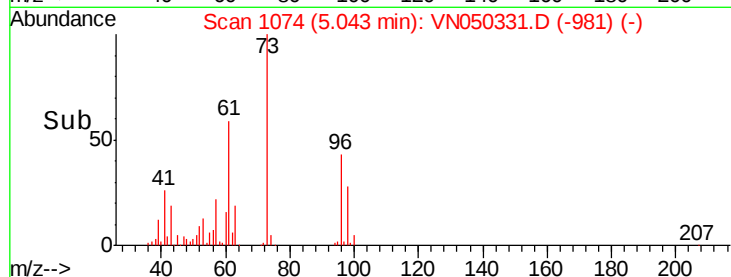
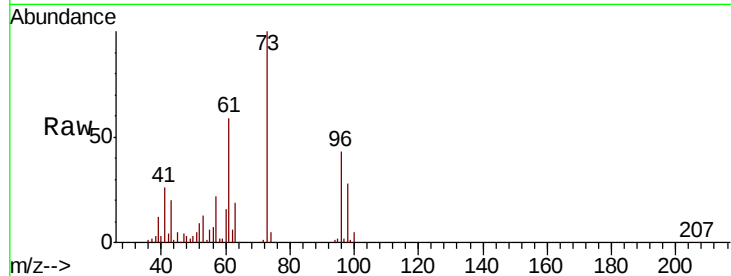
#21
trans-1,2-Dichloroethene
Concen: 19.66 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
96	100		
61	136.5	110.7	166.1
98	63.9	51.6	77.4

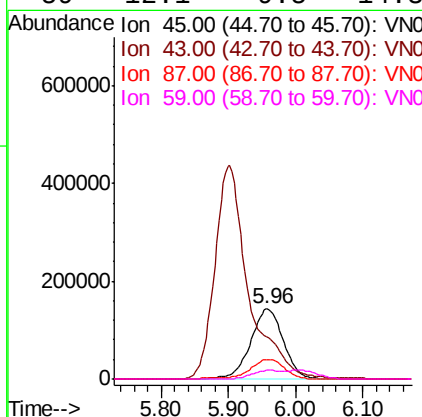
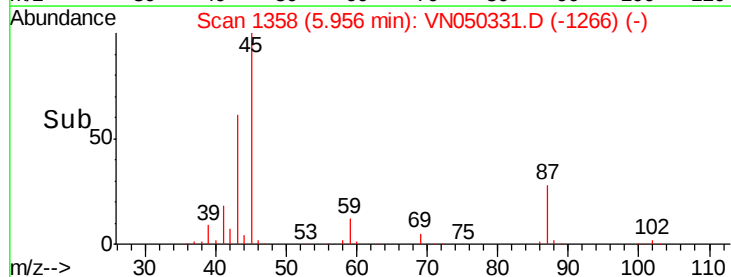
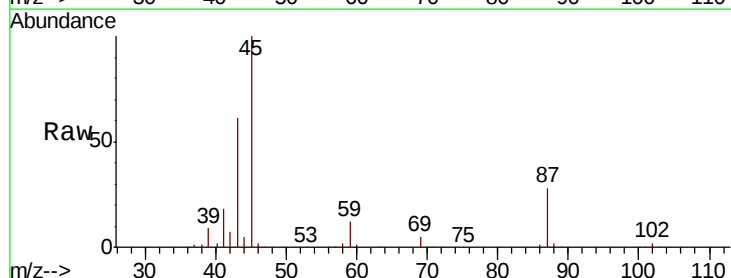
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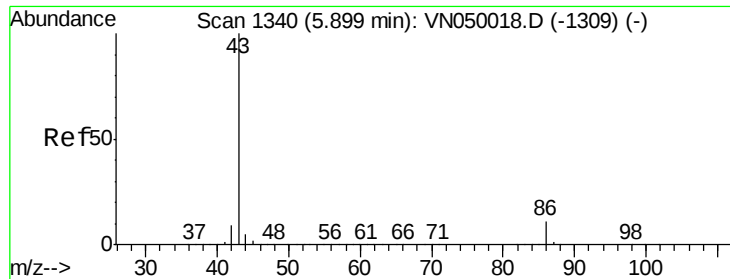
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#22
Diisopropyl ether
Concen: 23.05 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
45	100		
43	59.3	45.7	68.5
87	28.3	22.7	34.1
59	12.1	9.5	14.3





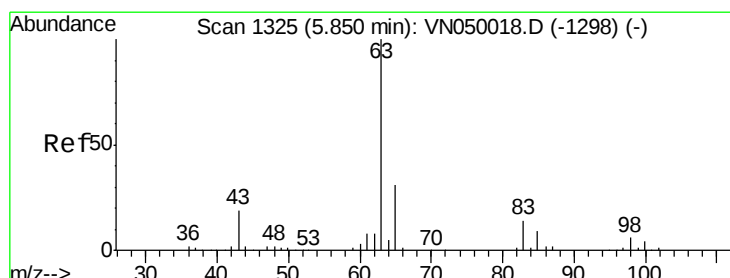
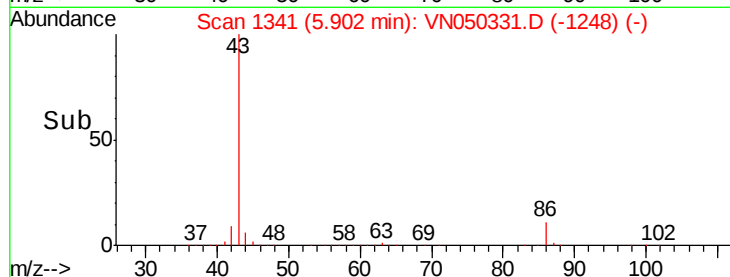
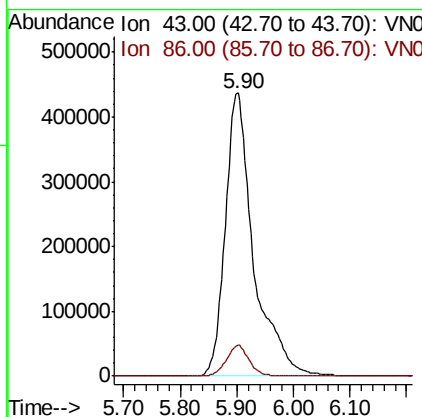
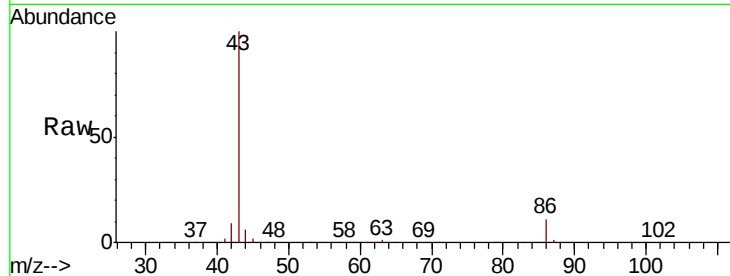
#23
 Vinyl Acetate
 Concen: 102.49 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0803WBS03

Tot Ion: 43 Resp: 1524222
 Ion Ratio Lower Upper
 43 100
 86 10.9 8.6 13.0

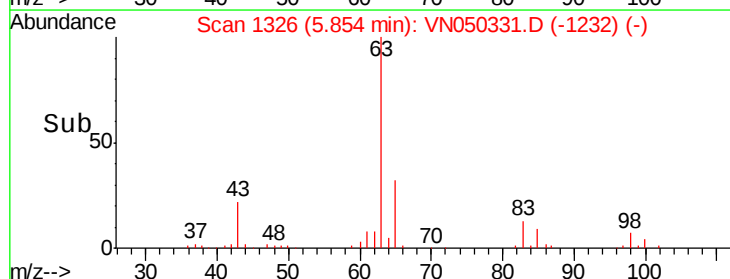
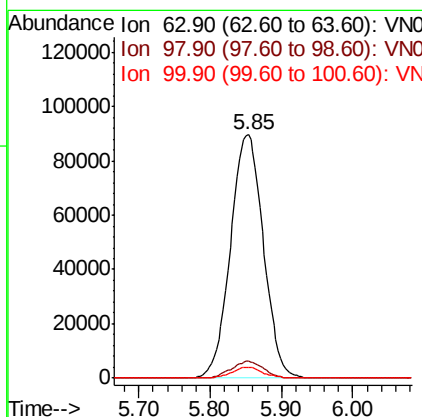
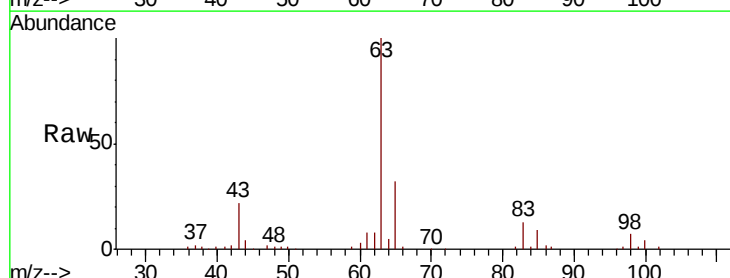
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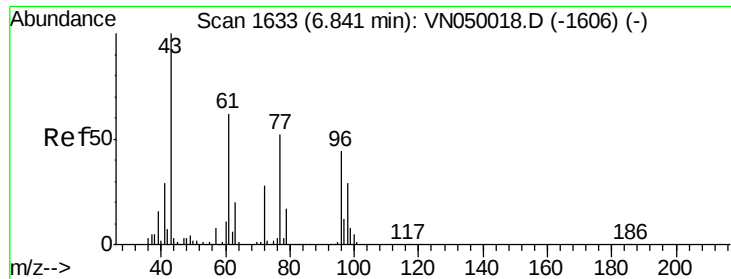
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#24
 1,1-Dichloroethane
 Concen: 20.91 ug/l
 RT: 5.85 min Scan# 1326
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion: 63 Resp: 287714
 Ion Ratio Lower Upper
 63 100
 98 6.8 3.3 9.8
 100 4.3 2.1 6.3





#25

2-Butanone

Concen: 114.41 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

Tot Ion: 43 Resp: 361607

Ion Ratio Lower Upper

43 100

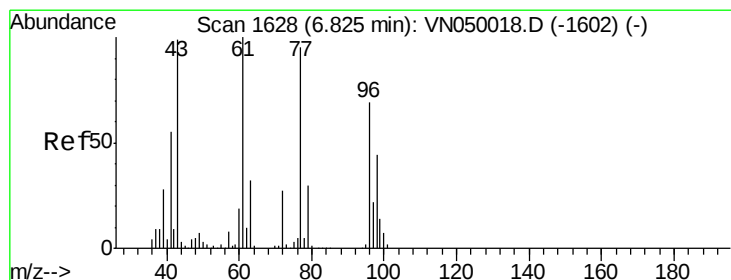
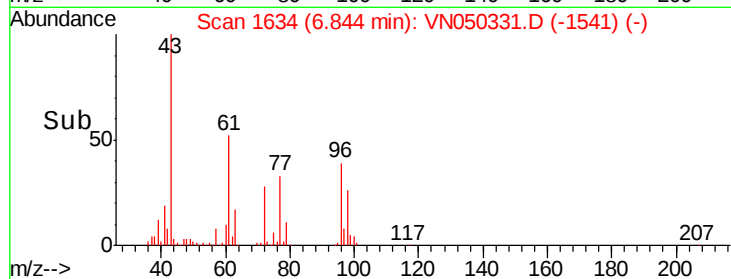
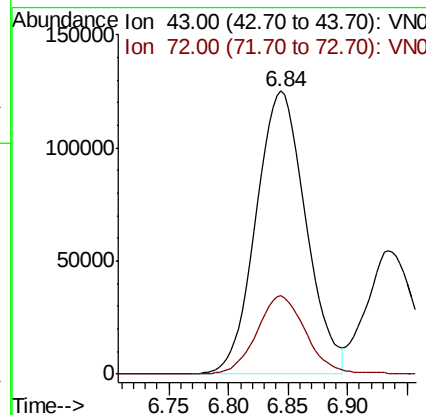
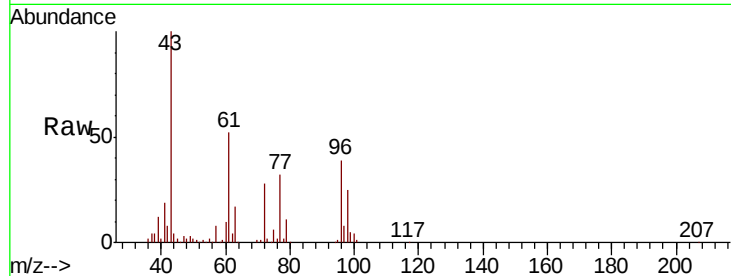
72 27.8 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 16.76 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050331.D

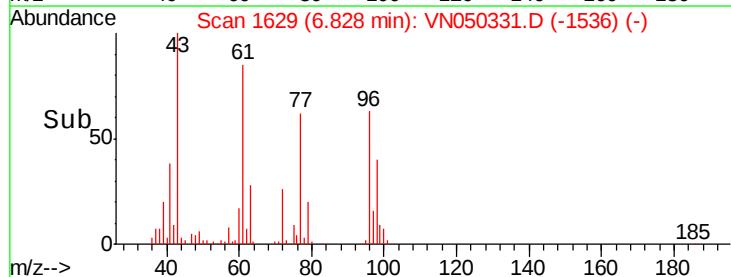
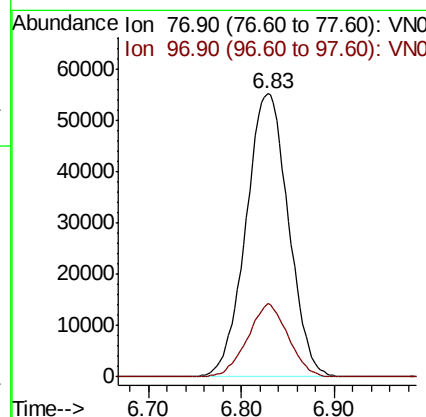
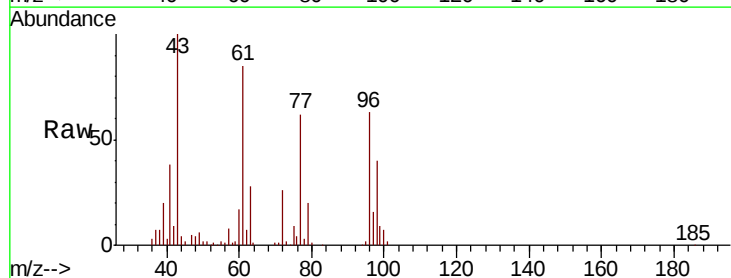
Acq: 3 Aug 2018 23:41

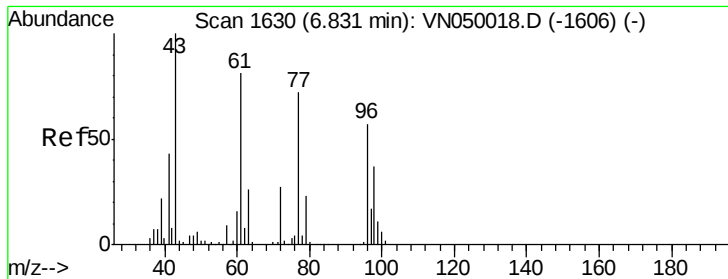
Tgt Ion: 77 Resp: 175485

Ion Ratio Lower Upper

77 100

97 24.6 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 21.19 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

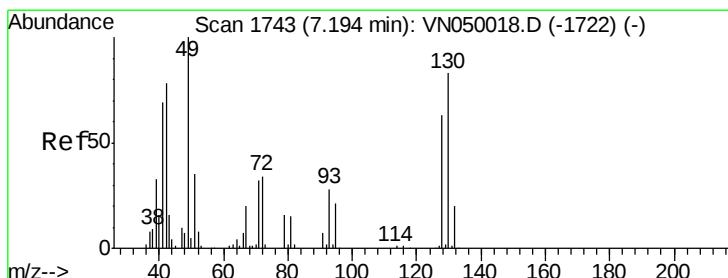
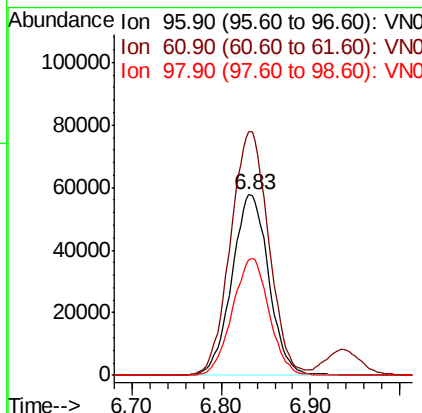
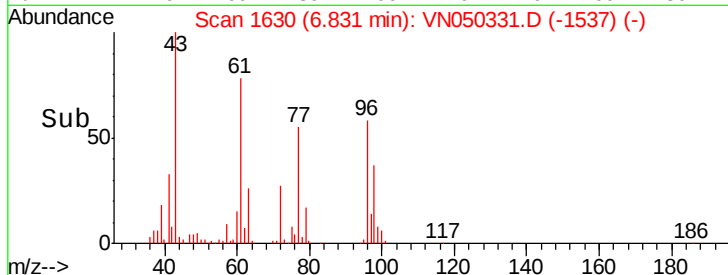
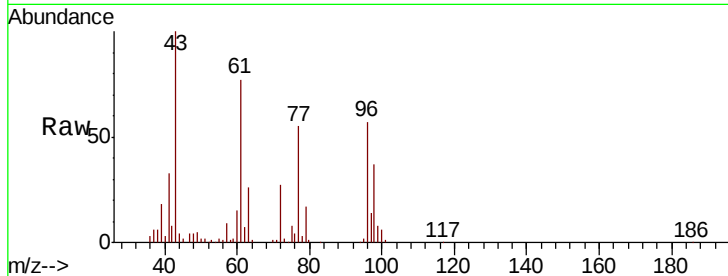
ClientSampled :

VN0803WBS03

Tot Ion:	96	Resp:	165423
Ion Ratio	Lower	Upper	
96	100		
61	139.9	0.0	285.0
98	64.4	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 21.33 ug/l

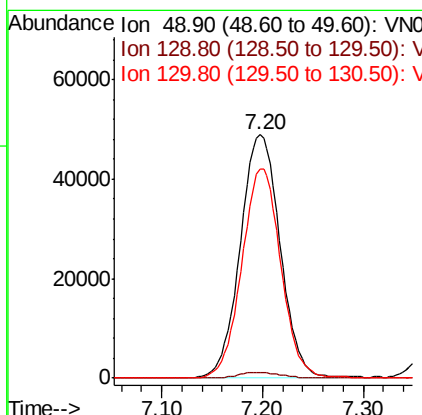
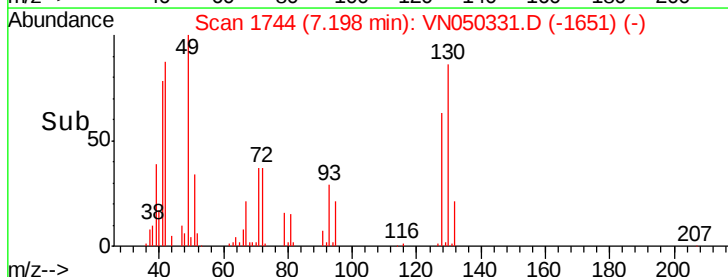
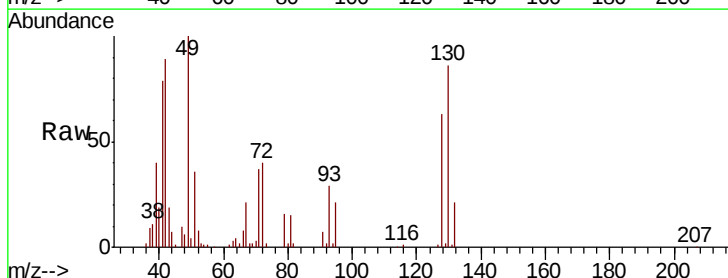
RT: 7.20 min Scan# 1744

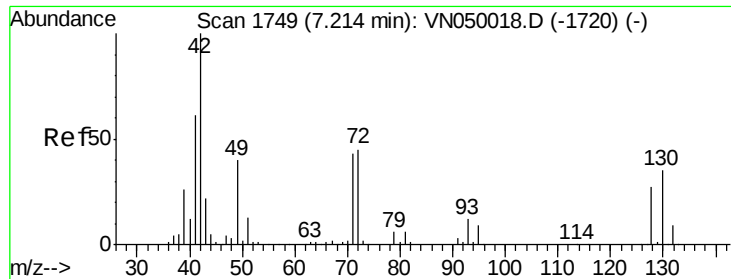
Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion:	49	Resp:	133866
Ion Ratio	Lower	Upper	
49	100		
129	2.4	0.0	4.0
130	84.1	66.3	99.5





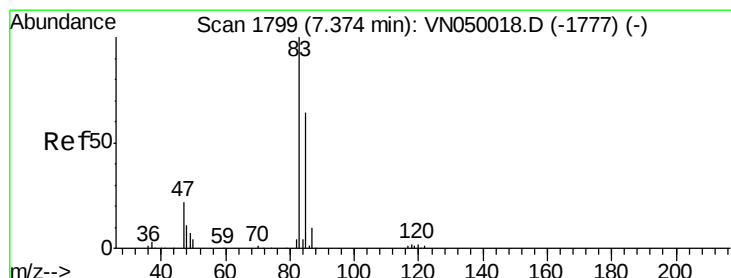
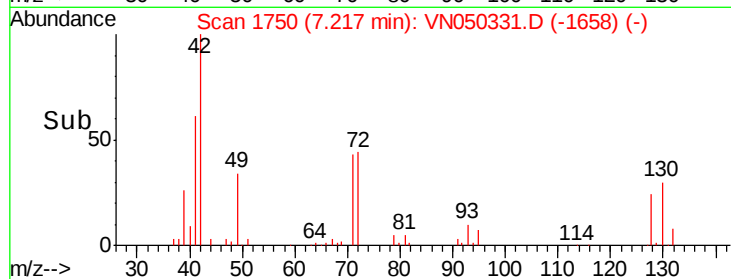
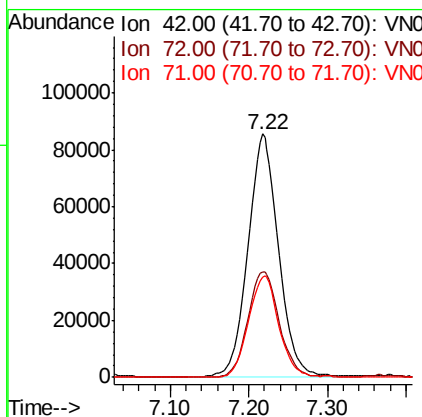
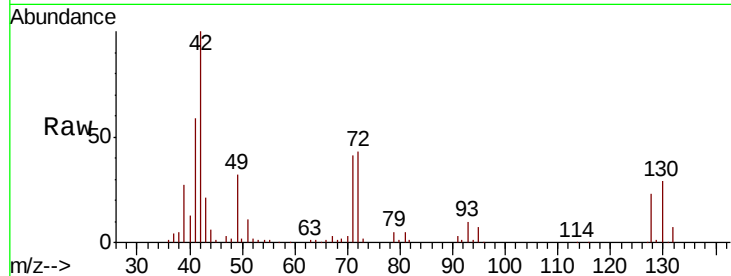
#29
Tetrahydrofuran
Concen: 115.77 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.7	35.9	53.9
71	41.3	33.7	50.5

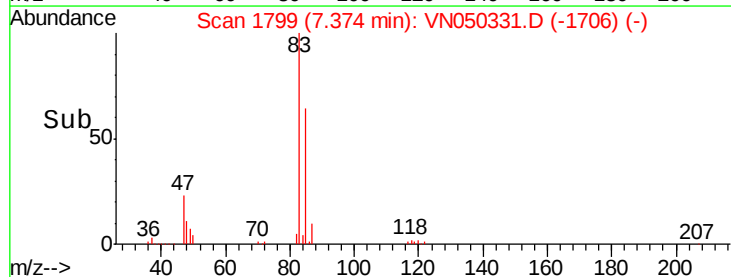
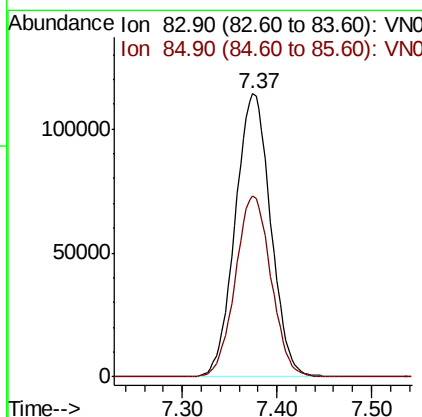
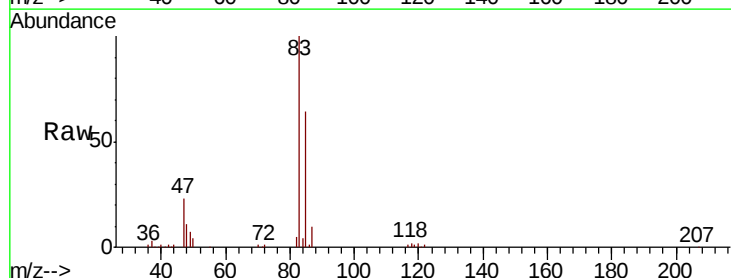
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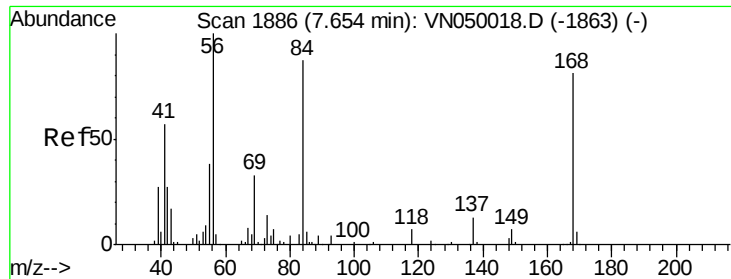
MMDadoda
8/6/2018 11:37:03 AM



#30
Chloroform
Concen: 21.21 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.0	52.5	78.7





#31

Cyclohexane

Concen: 19.28 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

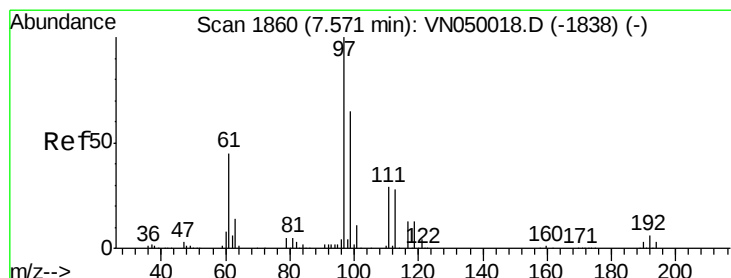
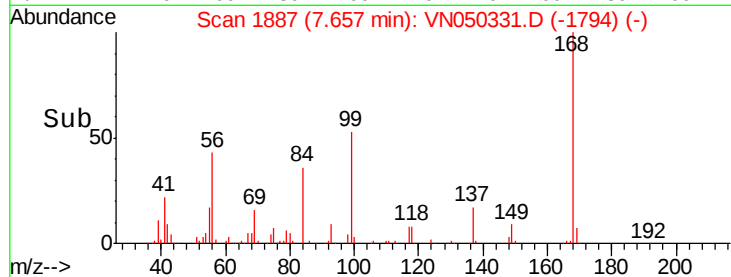
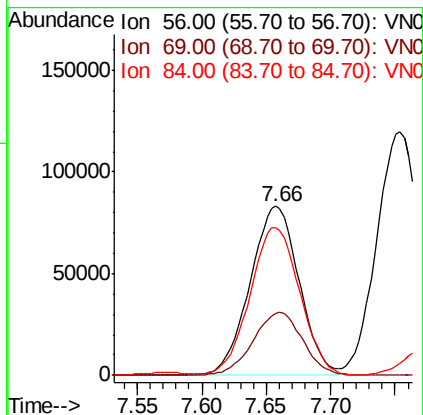
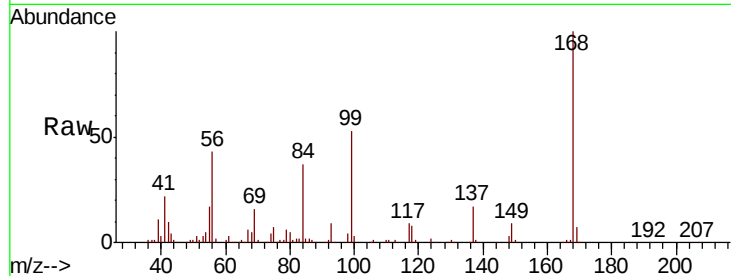
ClientSampleId :

VN0803WBS03

Tot Ion:	56	Resp:	220561
Ion Ratio	Lower	Upper	
56	100		
69	37.0	26.2	39.4
84	86.3	67.4	101.0

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.75 ug/l

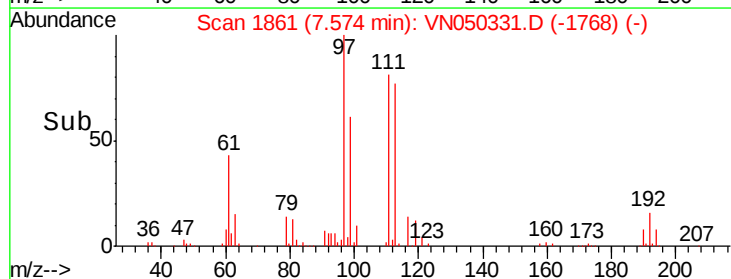
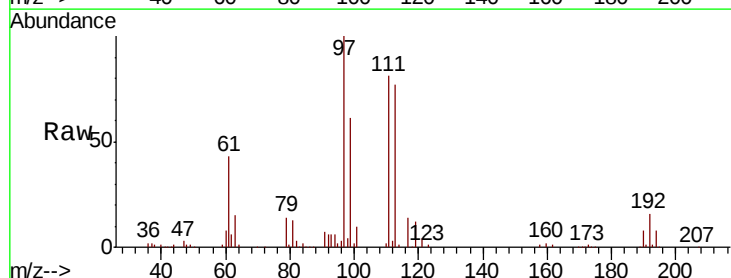
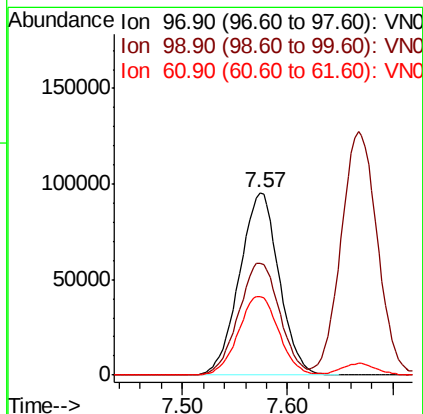
RT: 7.57 min Scan# 1861

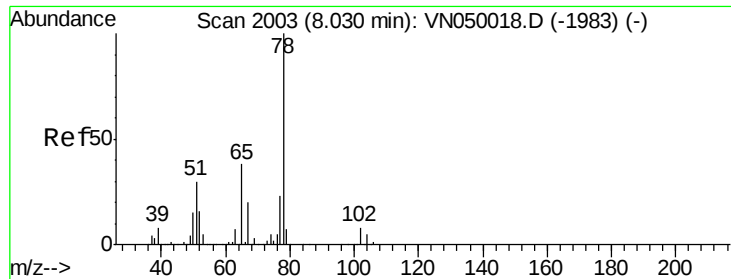
Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion:	97	Resp:	249234
Ion Ratio	Lower	Upper	
97	100		
99	63.7	51.4	77.0
61	44.2	35.4	53.0





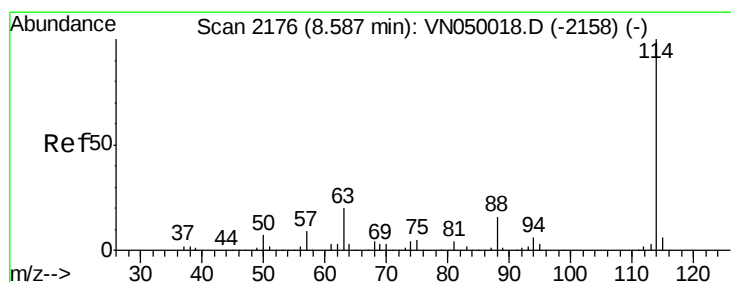
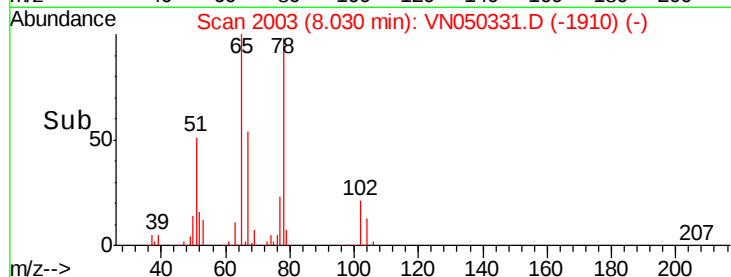
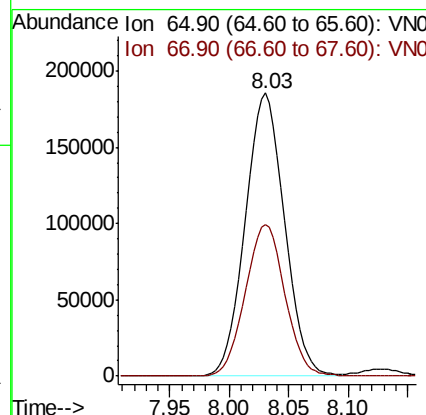
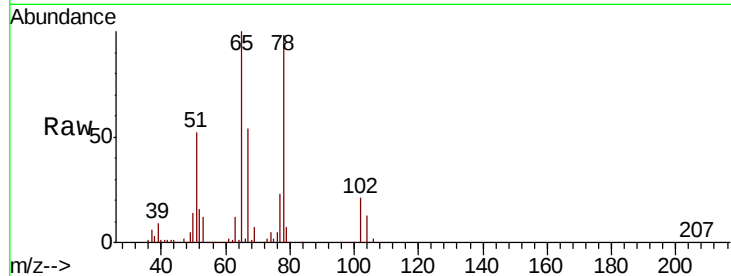
#33
 1,2-Dichloroethane-d4
 Concen: 51.24 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	108.4

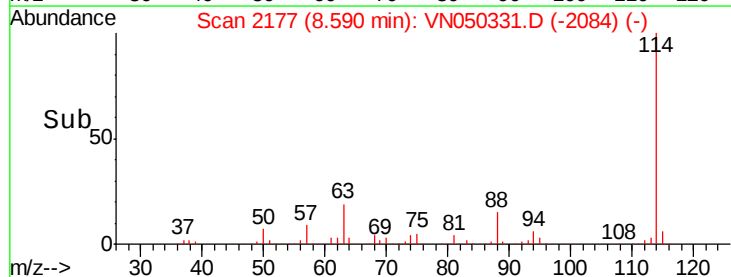
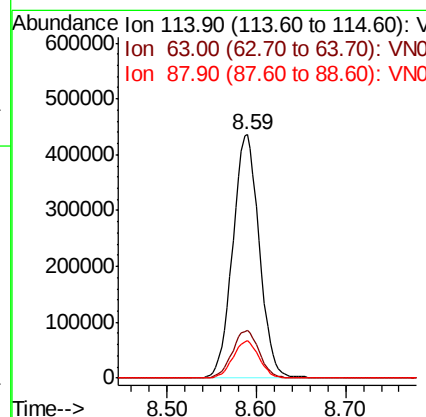
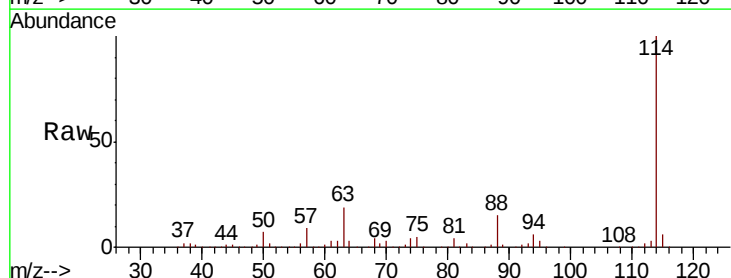
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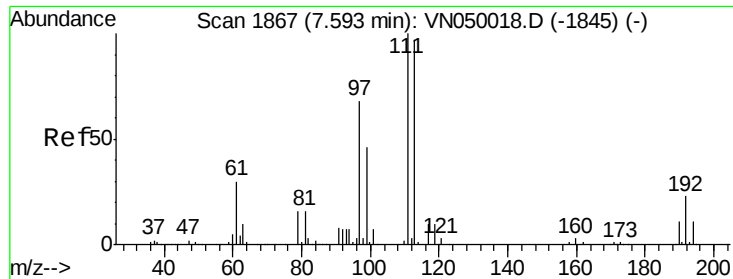
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	40.0
88	15.2	0.0	31.2





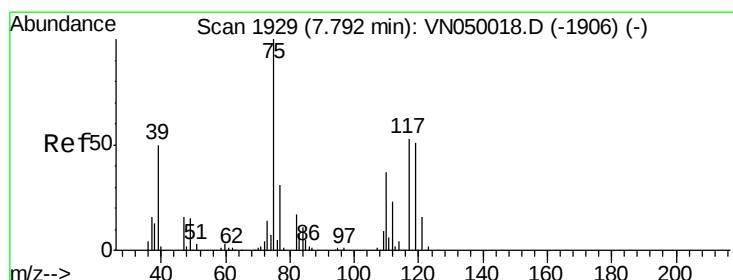
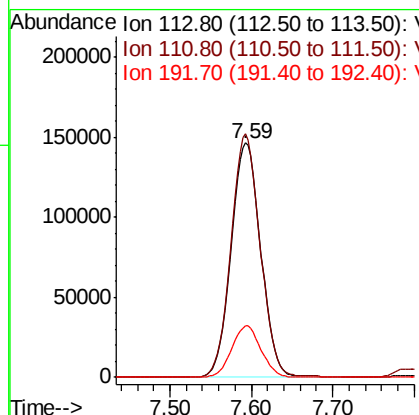
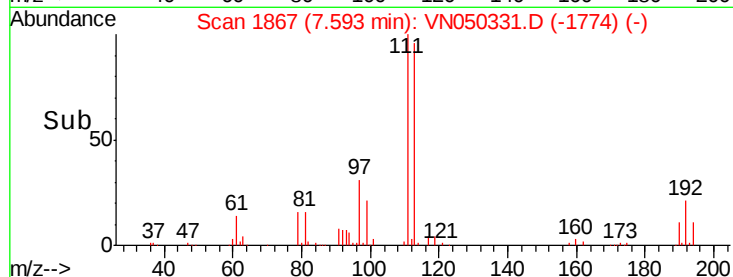
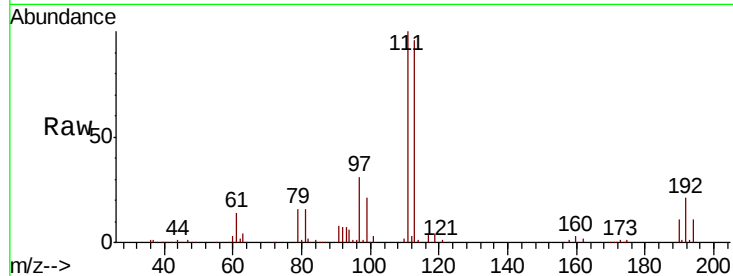
#35
 Dibromofluoromethane
 Concen: 50.79 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

Tot Ion	Ratio	Resp	Lower	Upper
113	100	372159		
111	101.9	80.7	121.1	
192	21.6	17.8	26.6	

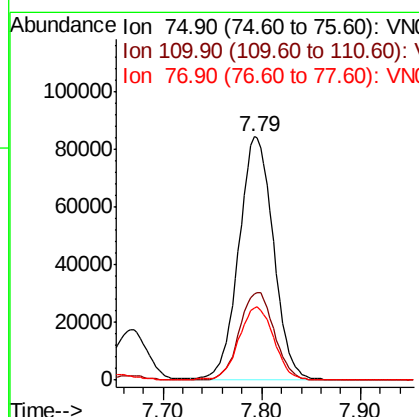
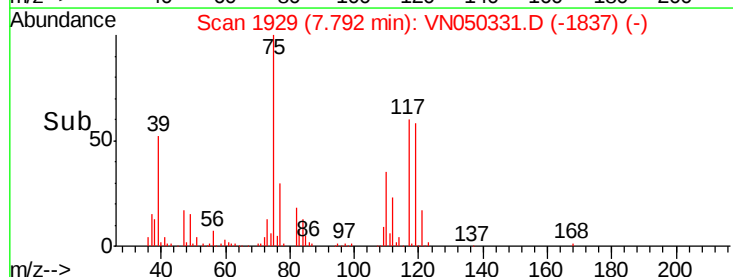
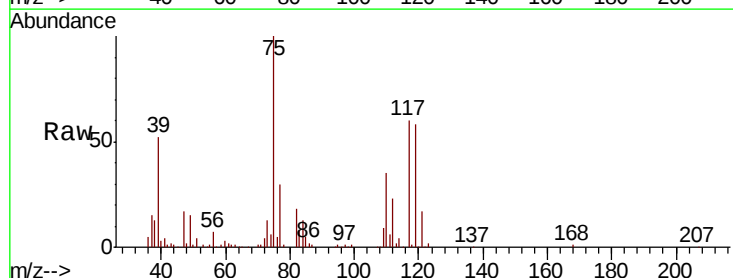
Manual Integrations
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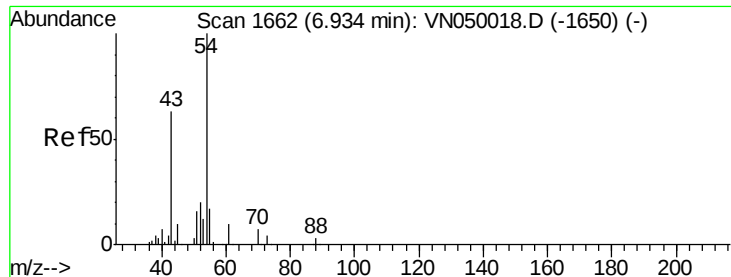
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#36
 1,1-Dichloropropene
 Concen: 20.19 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	204128		
110	36.4	18.4	55.2	
77	30.9	25.3	37.9	





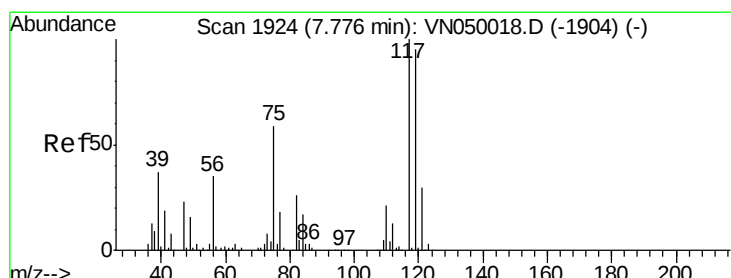
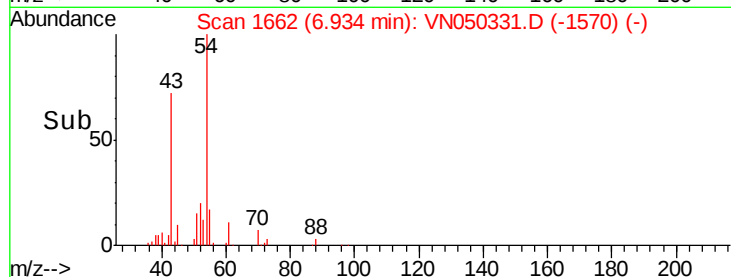
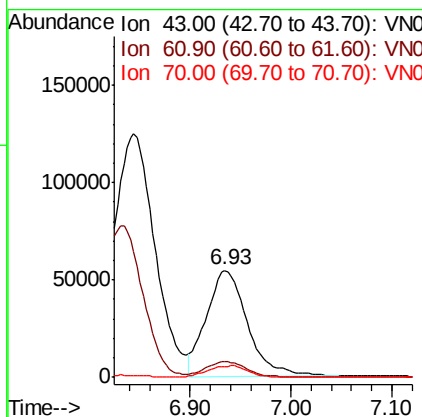
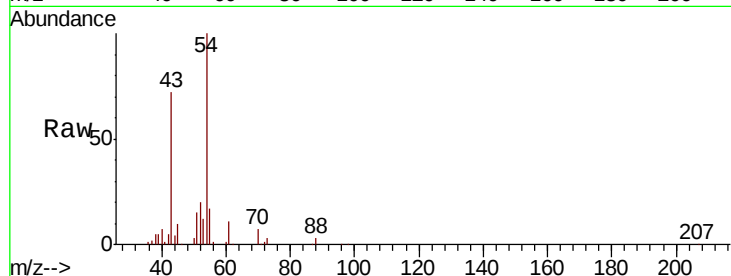
#37
Ethyl Acetate
Concen: 21.76 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	11.8	17.8
70	11.0	8.4	12.6

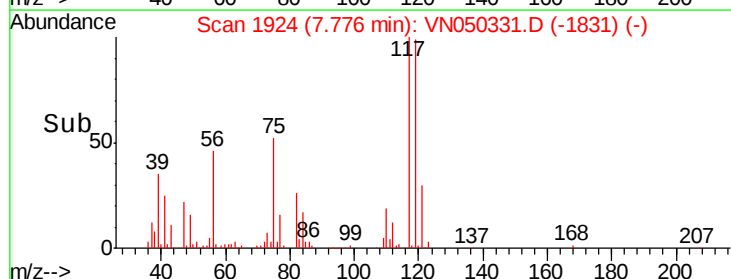
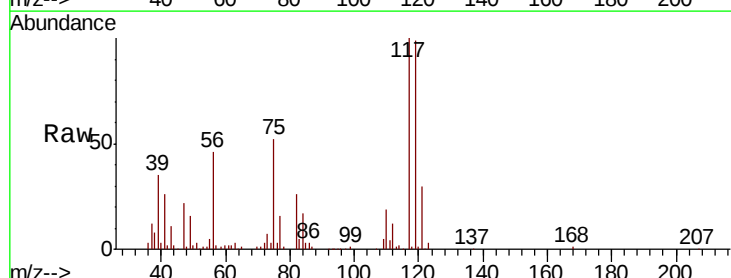
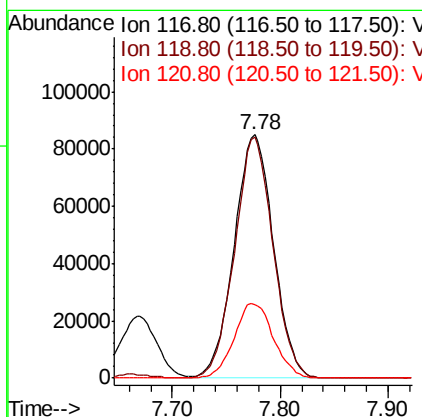
Manual Integrations
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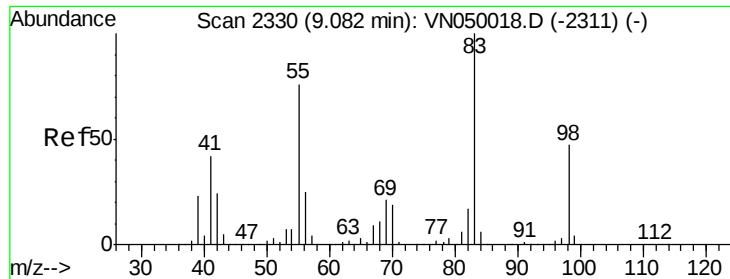
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.07 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.8	77.4	116.0
121	30.2	23.9	35.9





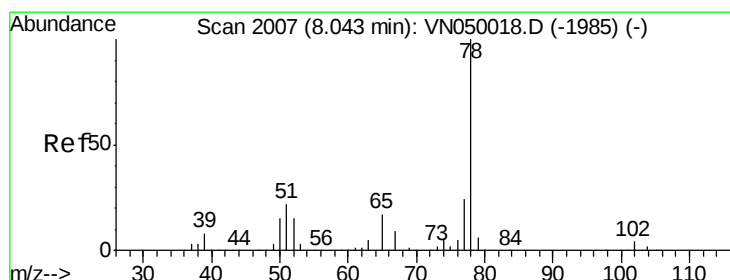
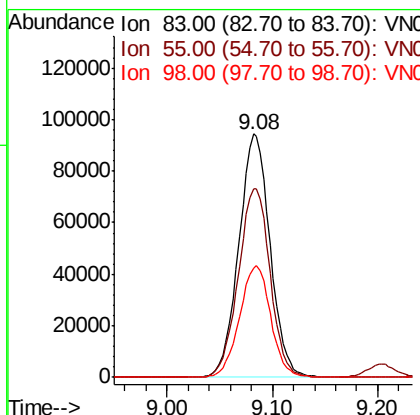
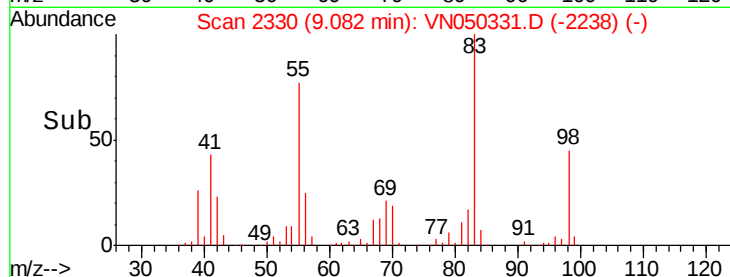
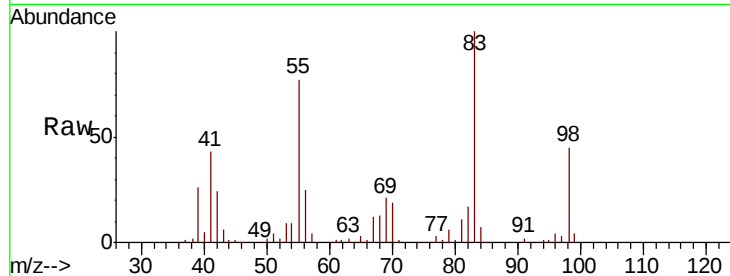
#39
Methvlcvclohexane
Concen: 18.69 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	83.00	Resp	194371
Ion Ratio	100	Lower	Upper
83	100		
55	77.3	61.8	92.8
98	45.0	36.5	54.7

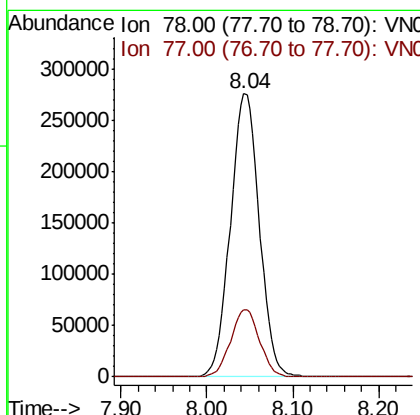
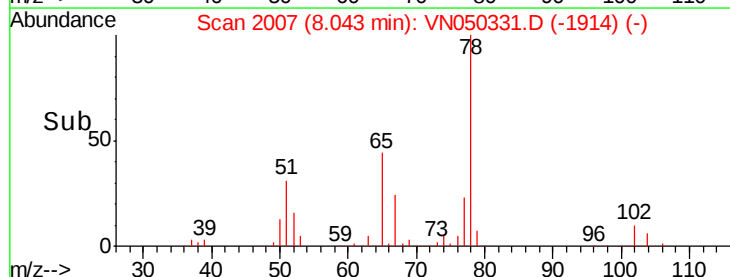
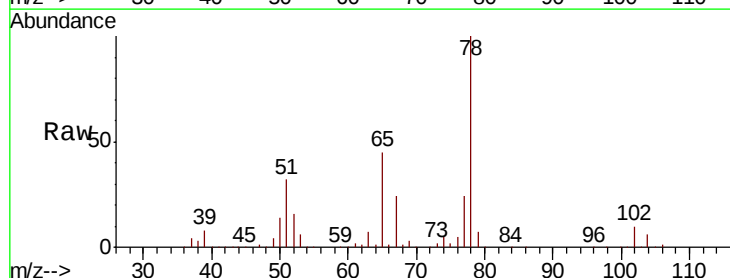
Manual Integrations
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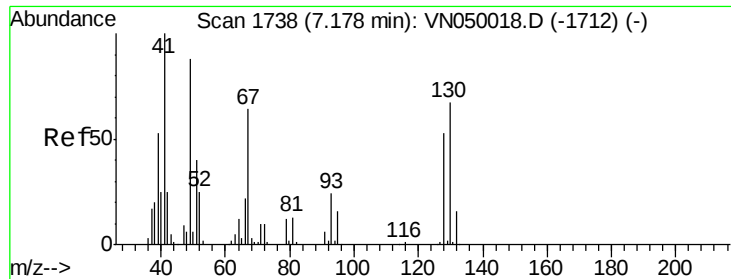
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#40
Benzene
Concen: 20.96 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	78.00	Resp	645040
Ion Ratio	100	Lower	Upper
78	100		
77	23.6	18.7	28.1





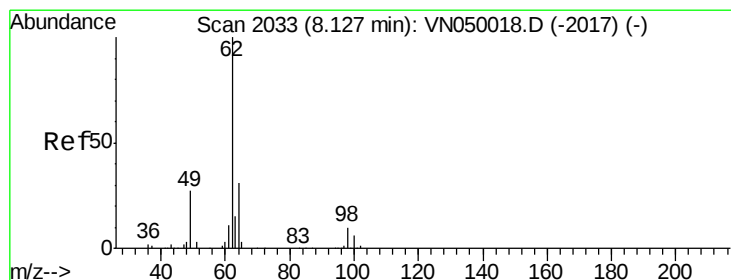
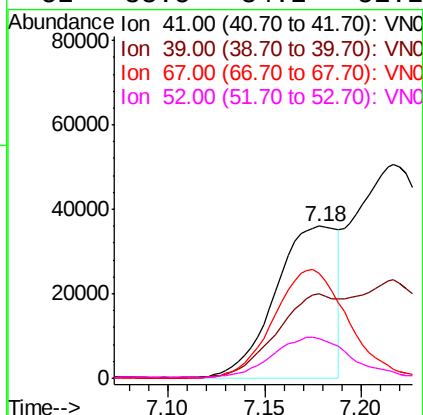
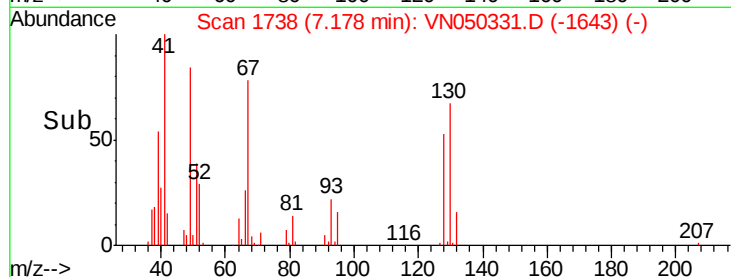
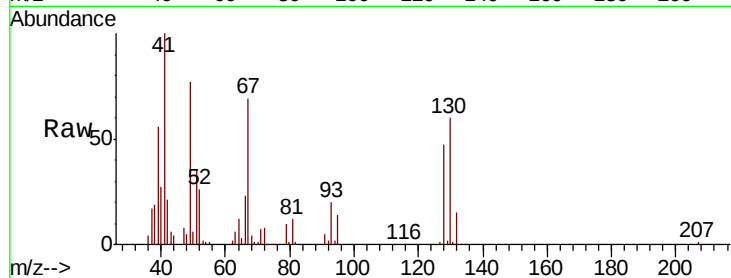
#41
Methacrylonitrile
Concen: 23.48 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.8	55.8	83.6#
67	85.6	84.3	126.5
52	33.5	34.2	51.2#

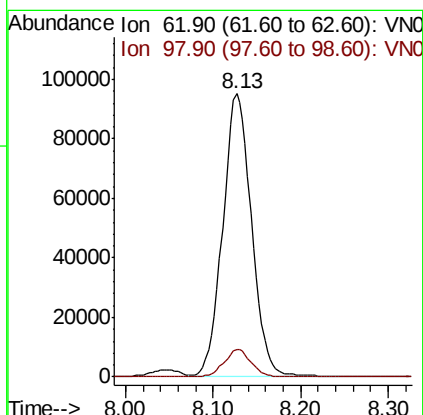
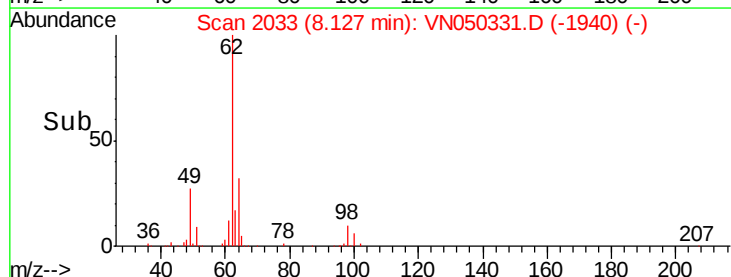
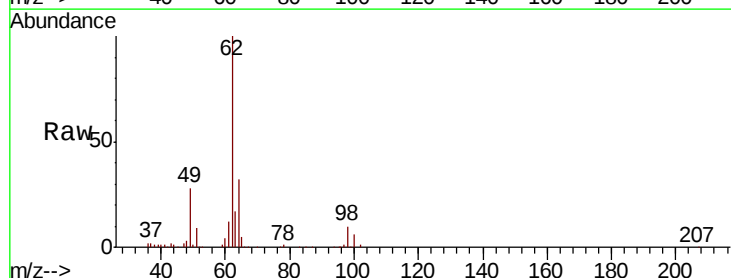
Manual Integrations
APPROVED

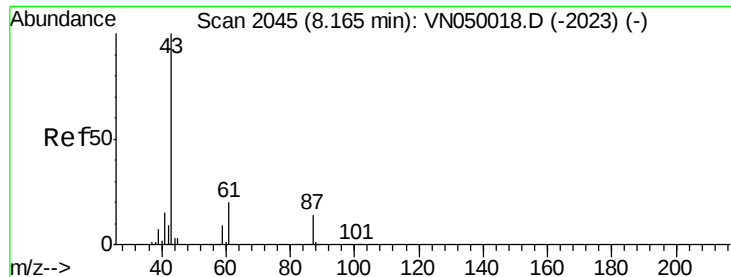
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.08 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8





#43

Isopropyl Acetate

Concen: 21.66 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

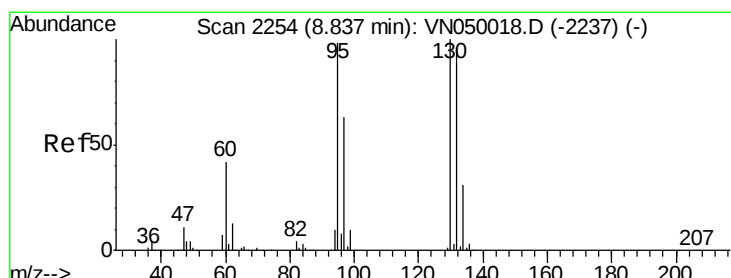
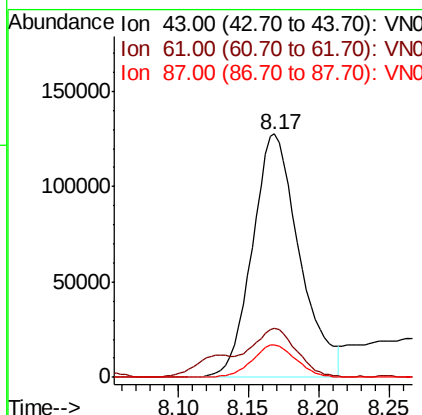
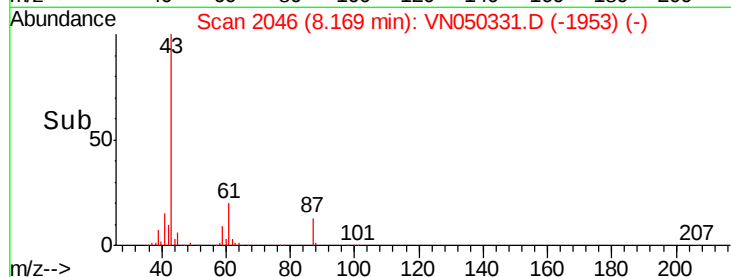
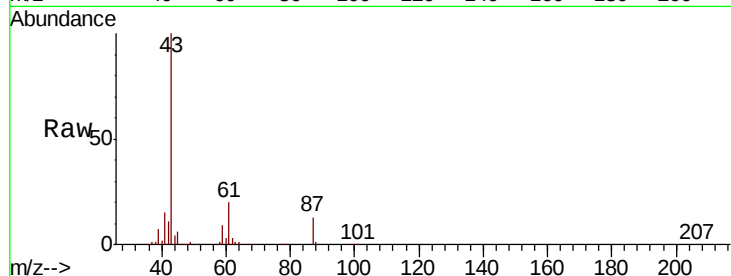
ClientSampleId :

VN0803WBS03

Tot Ion:	43	Resp:	296323
Ion	Ratio	Lower	Upper
43	100		
61	18.2	15.8	23.6
87	12.5	10.3	15.5

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#44

Trichloroethene

Concen: 20.19 ug/l

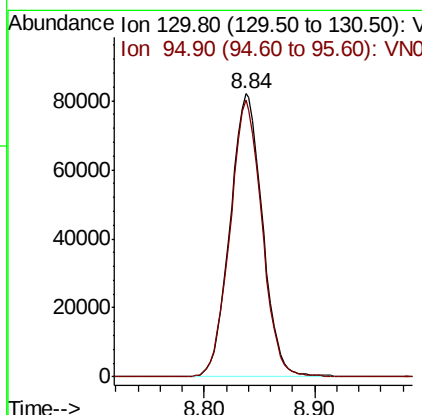
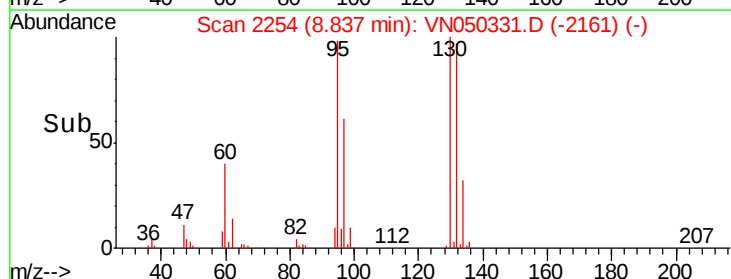
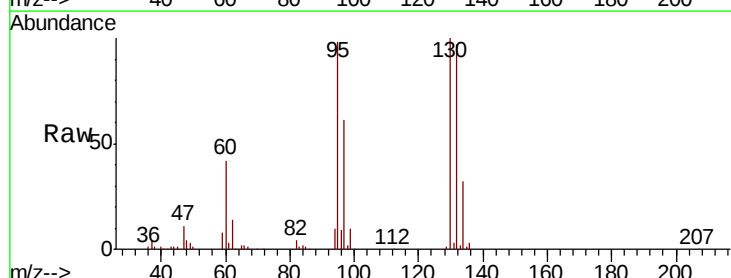
RT: 8.84 min Scan# 2254

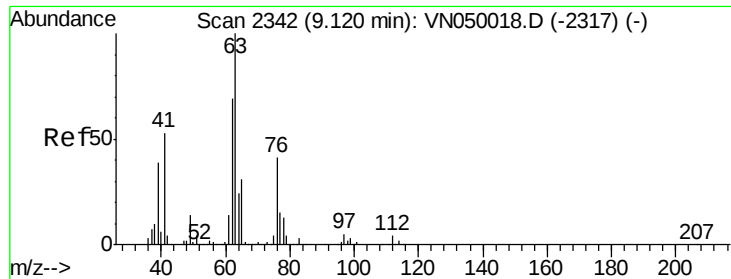
Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion:	130	Resp:	166927
Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	194.6





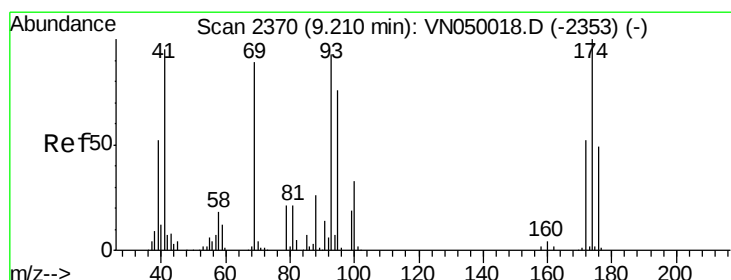
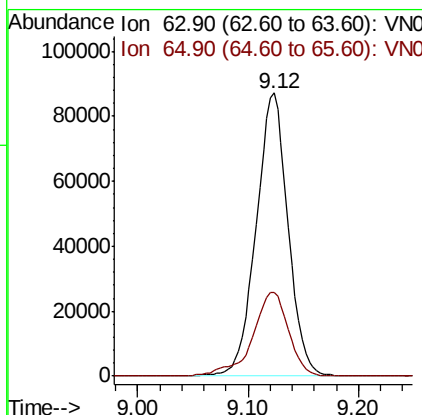
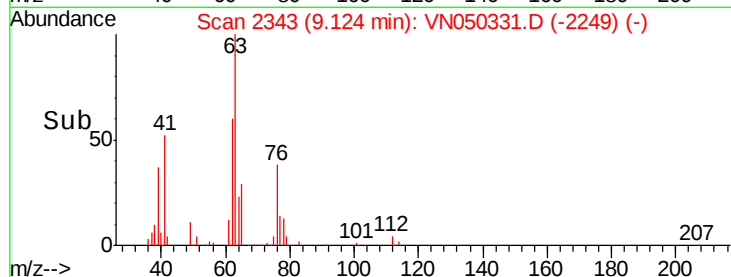
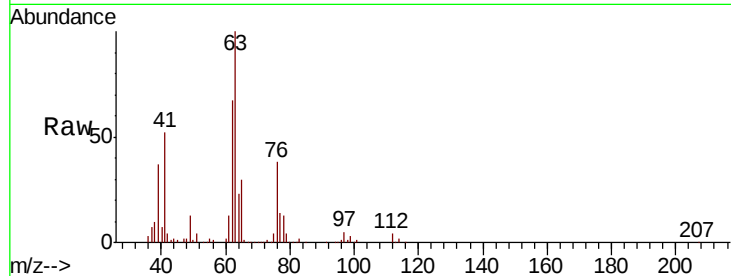
#45
 1,2-Dichloropropane
 Concen: 21.49 ug/l
 RT: 9.12 min Scan# 2343
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS03

Tot Ion: 63 Resp: 175127
 Ion Ratio Lower Upper
 63 100
 65 29.8 25.5 38.3

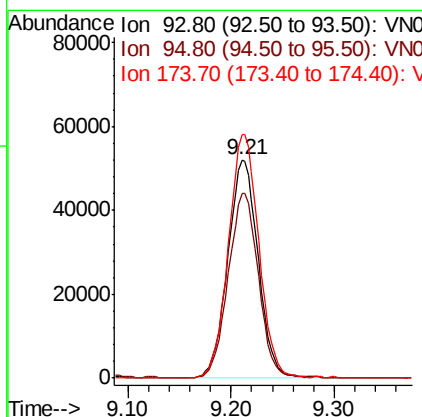
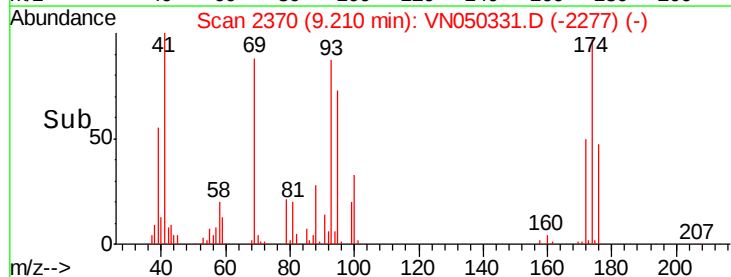
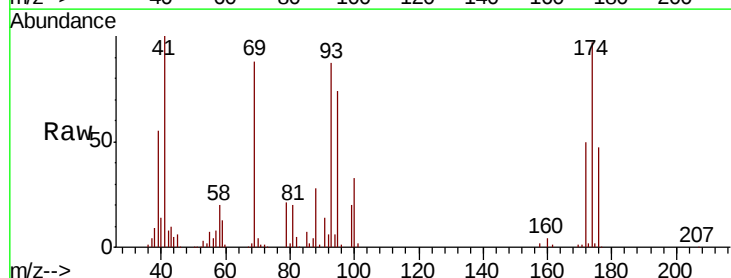
Manual Integrations
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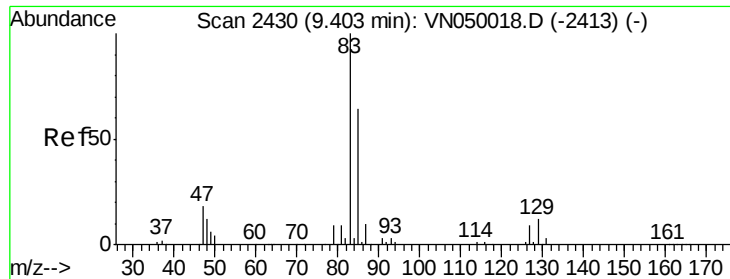
MMDadoda
 8/6/2018 11:37:03 AM



#46
 Dibromomethane
 Concen: 21.15 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion: 93 Resp: 107055
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 111.3 87.1 130.7





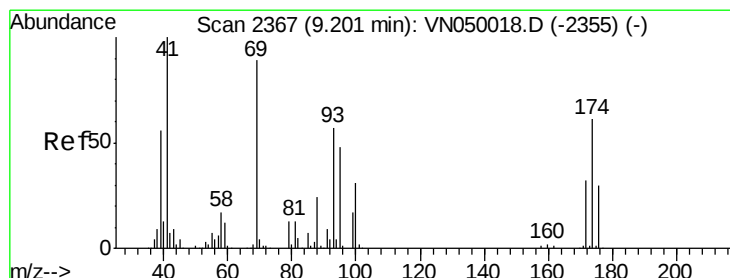
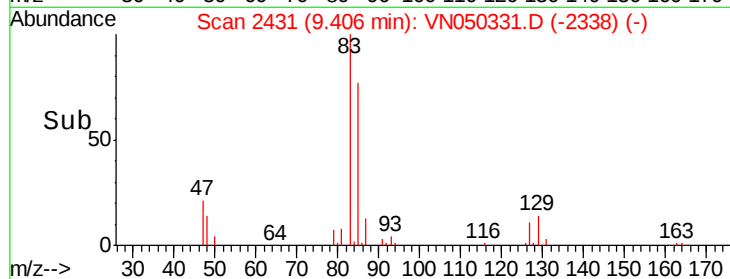
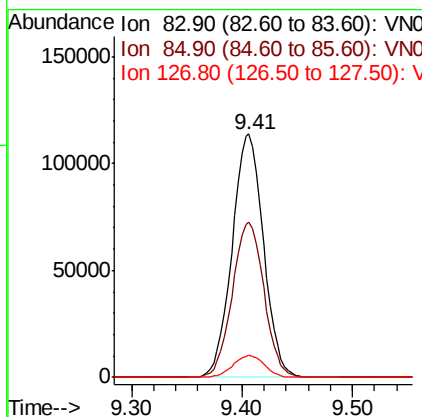
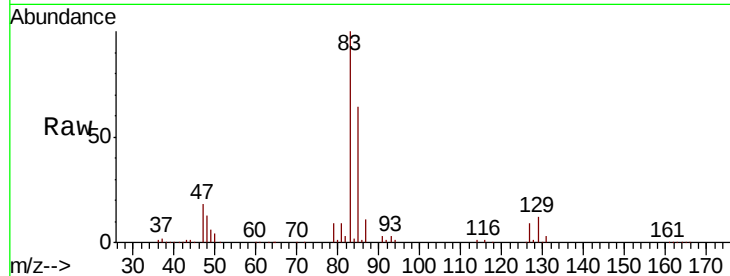
#47
Bromodichloromethane
Concen: 20.96 ug/l
RT: 9.41 min Scan# 2431
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	Ratio	Resp	Lower	Upper
83	100	223828		
85	63.9	51.1	76.7	
127	8.9	7.0	10.4	

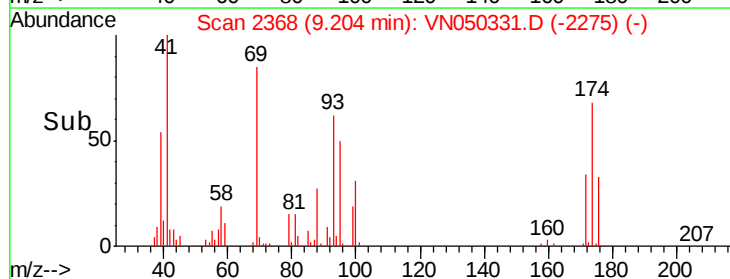
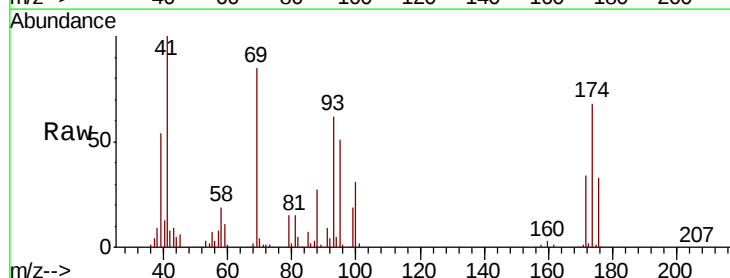
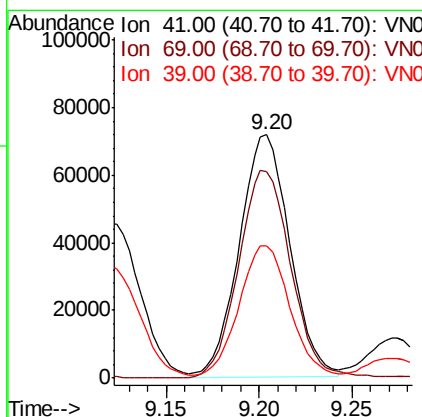
Manual Integrations
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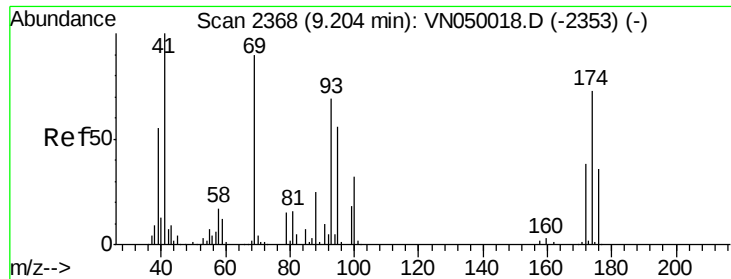
MMDadoda
8/6/2018 11:37:03 AM



#48
Methyl methacrylate
Concen: 22.60 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	137231		
69	88.9	70.6	105.8	
39	54.9	43.9	65.9	





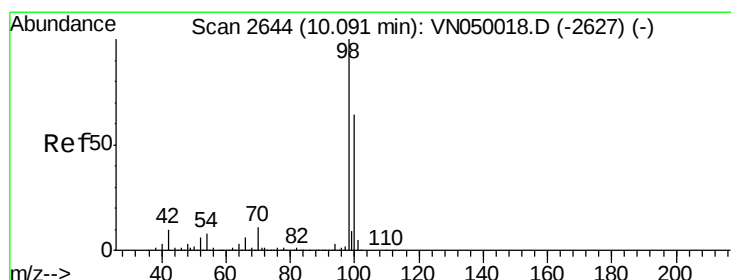
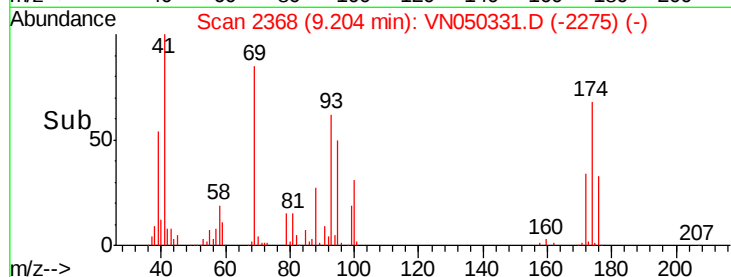
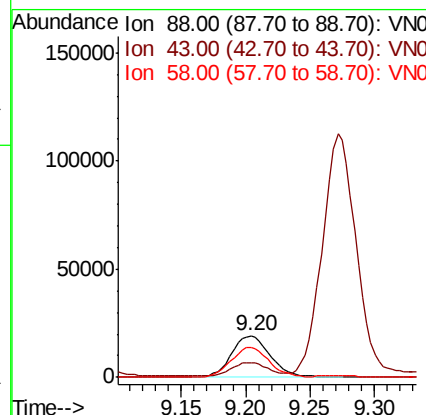
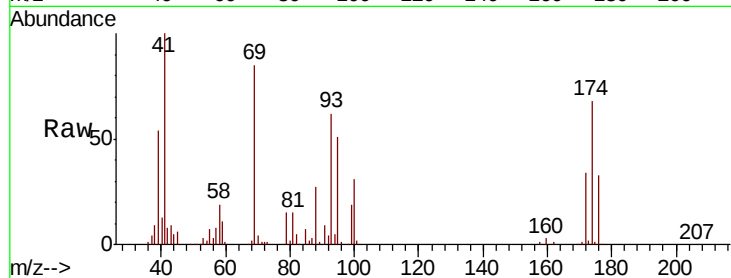
#49
1,4-Dioxane
Concen: 484.84 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	26.9	40.3
58	71.8	57.3	85.9

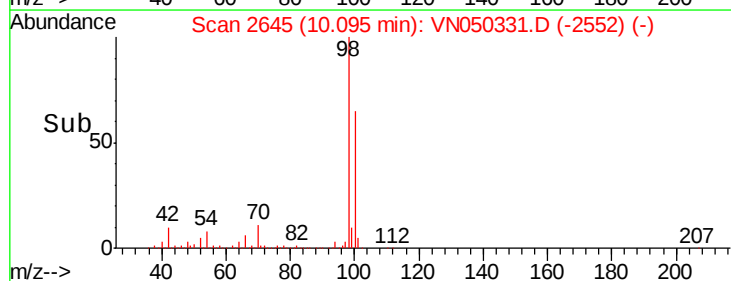
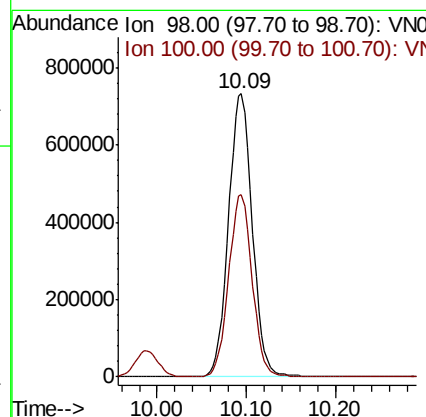
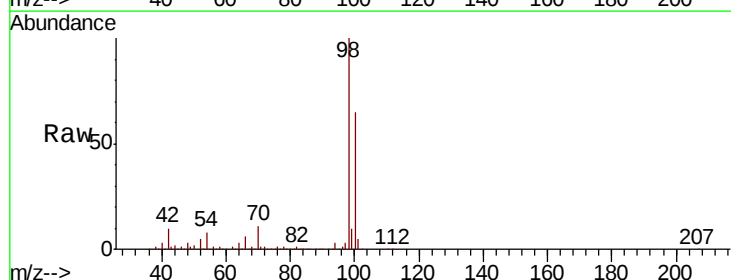
Manual Integrations
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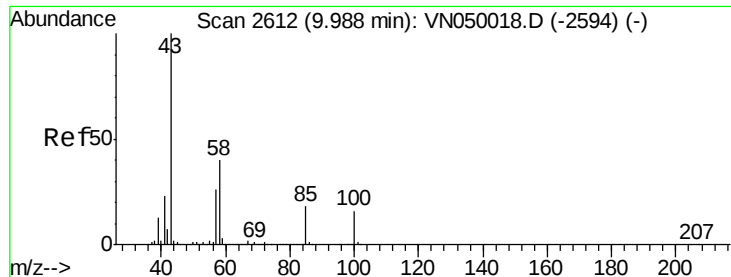
MMDadoda
8/6/2018 11:37:03 AM



#50
Toluene-d8
Concen: 50.20 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	50.7	76.1





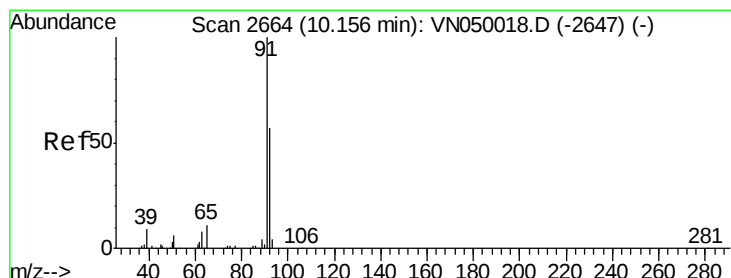
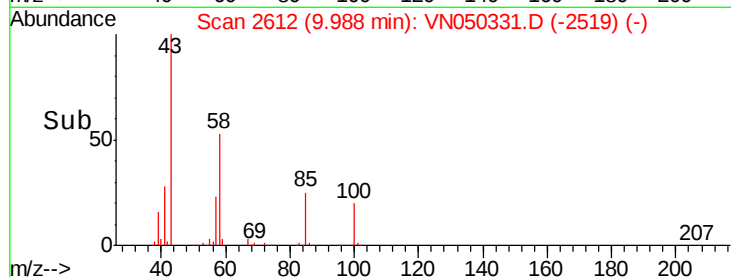
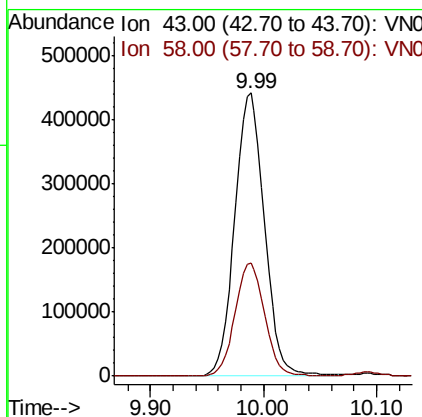
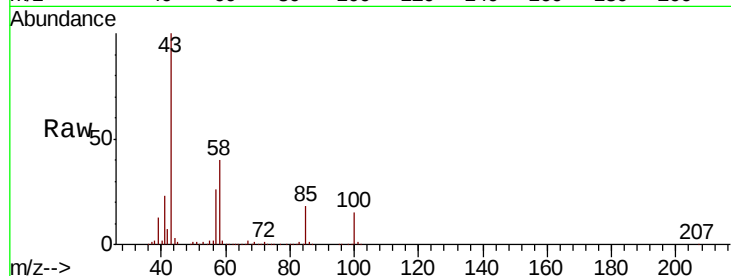
#51
4-Methyl-2-Pentanone
Concen: 116.49 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.9	31.9	47.9

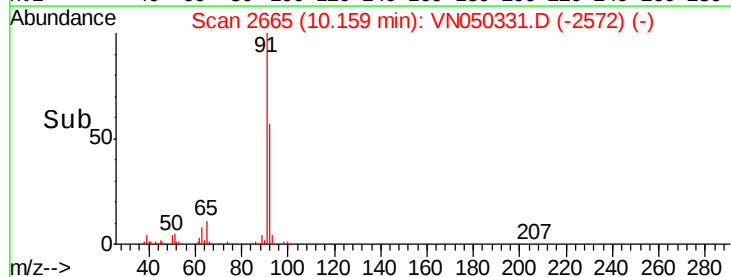
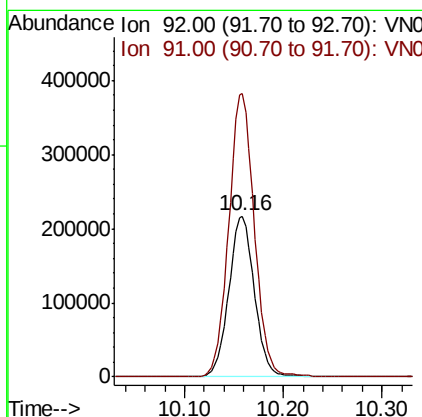
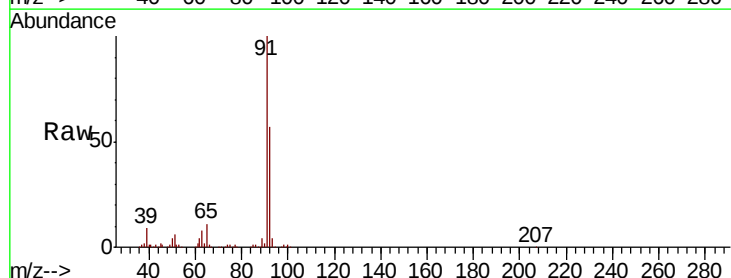
Manual Integrations
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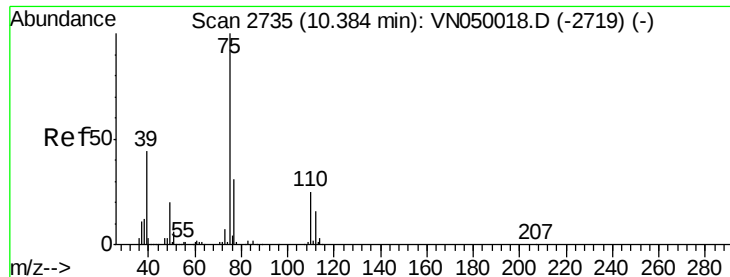
MMDadoda
8/6/2018 11:37:03 AM



#52
Toluene
Concen: 21.65 ug/l
RT: 10.16 min Scan# 2665
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.7	140.3	210.5





#53

t-1,3-Dichloropropene

Concen: 20.68 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

Tot Ion: 75 Resp: 208437

Ion Ratio Lower Upper

75 100

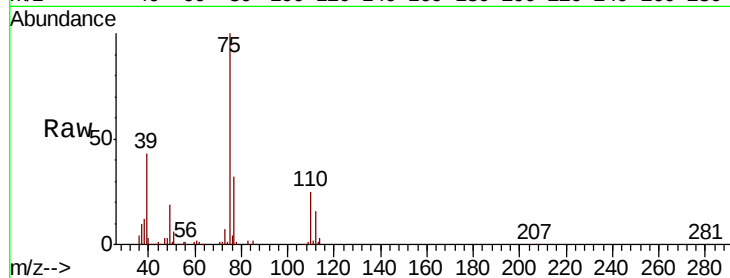
77 31.8 24.9 37.3

Manual Integrations

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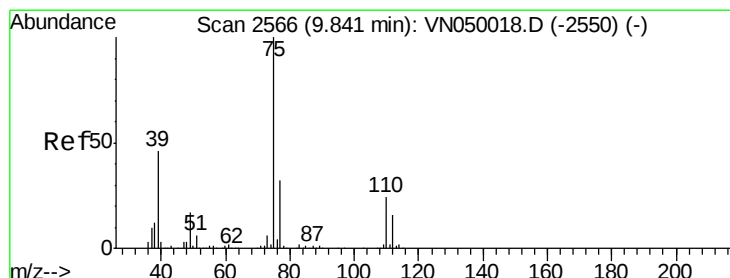
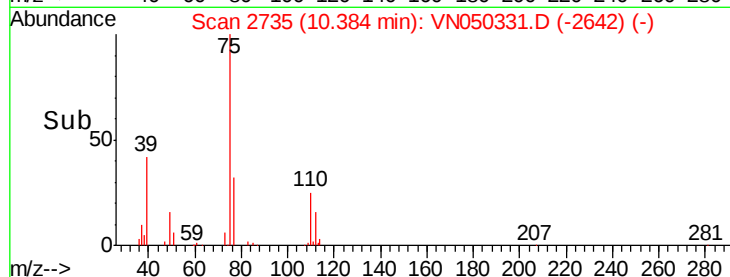
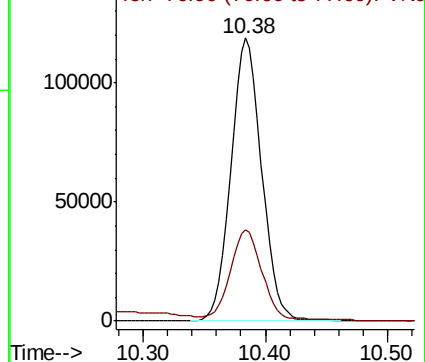
MMDadoda

8/6/2018 11:37:03 AM



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.87 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

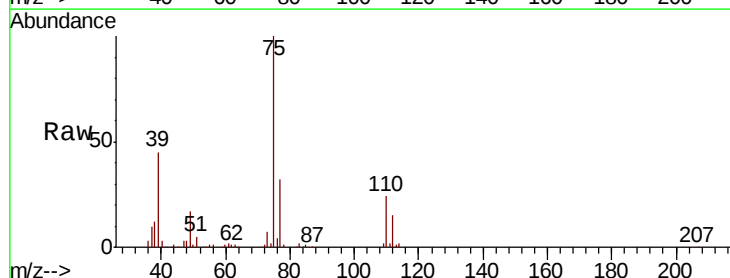
Tgt Ion: 75 Resp: 240371

Ion Ratio Lower Upper

75 100

77 32.1 25.5 38.3

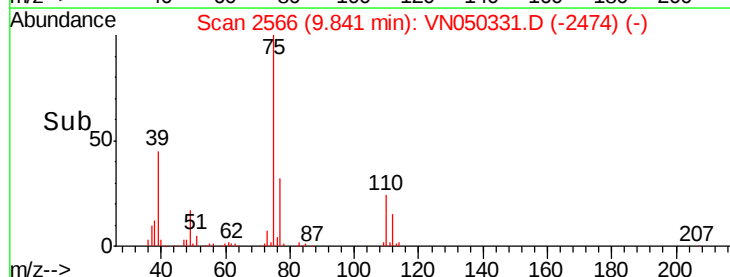
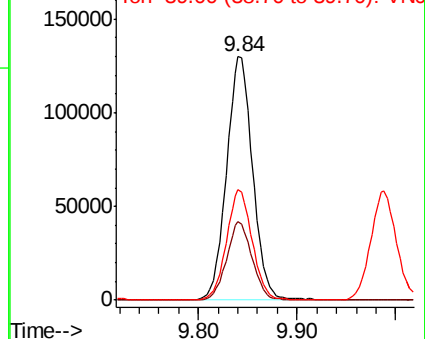
39 45.0 36.6 55.0

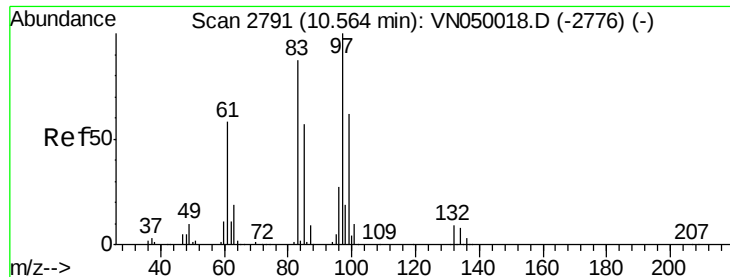


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





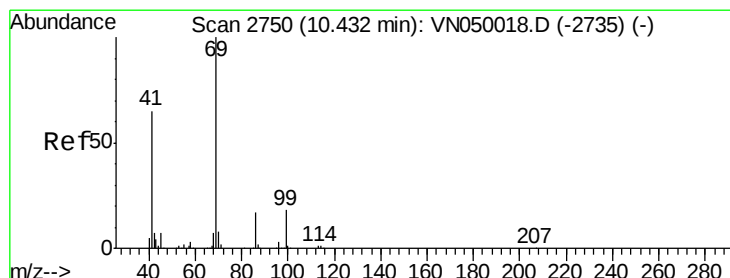
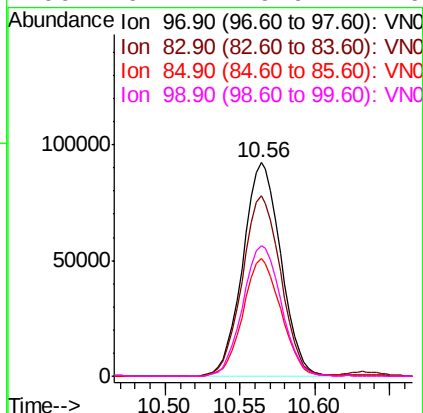
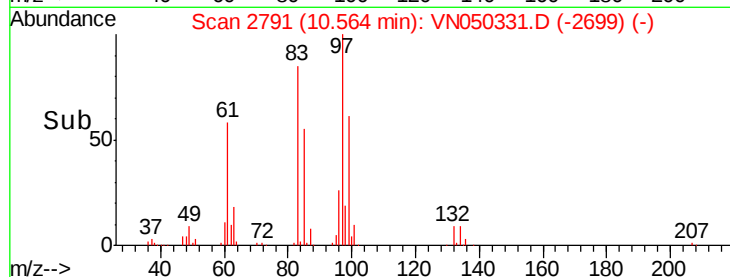
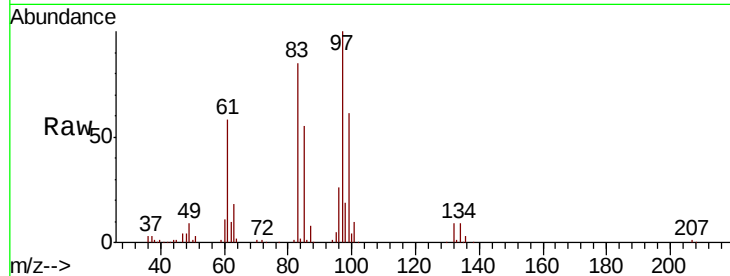
#55
 1,1,2-Trichloroethane
 Concen: 22.72 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS03

Tot Ion:	97	Resp:	163654
Ion	Ratio	Lower	Upper
97	100		
83	84.6	69.2	103.8
85	55.3	44.0	66.0
99	61.2	49.9	74.9

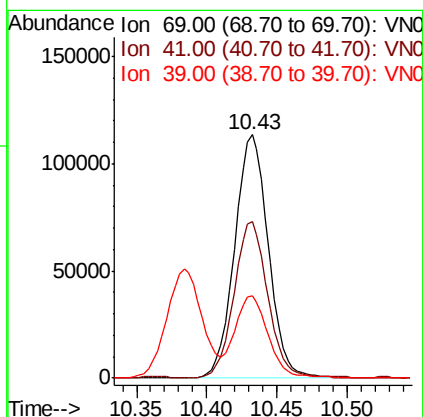
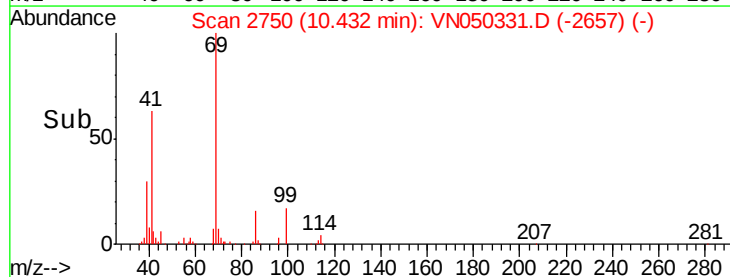
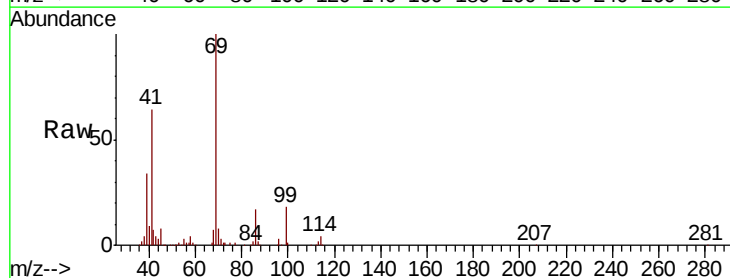
Manual Integrations
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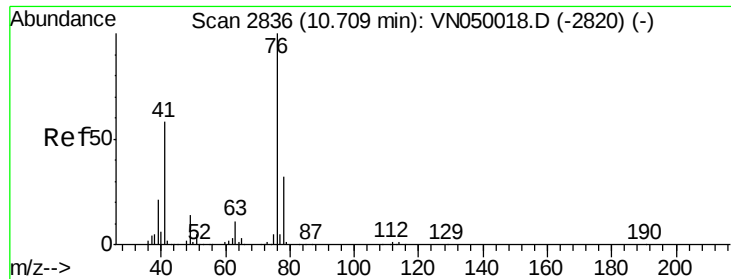
MMDadoda
 8/6/2018 11:37:03 AM



#56
 Ethyl methacrylate
 Concen: 20.75 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion:	69	Resp:	190407
Ion	Ratio	Lower	Upper
69	100		
41	64.0	51.0	76.4
39	33.0	26.6	40.0





#57

1,3-Dichloropropane

Concen: 21.86 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampleId :

VN0803WBS03

Tot Ion: 76 Resp: 256505

Ion Ratio Lower Upper

76 100

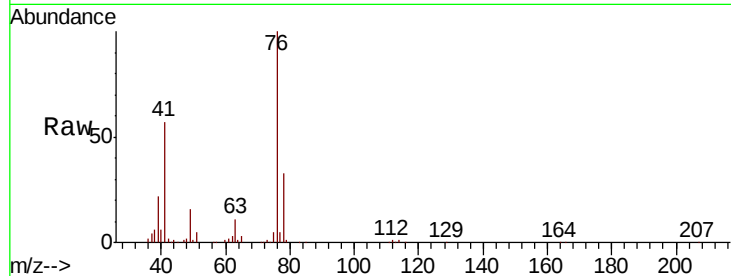
78 33.0 25.7 38.5

Manual Integrations

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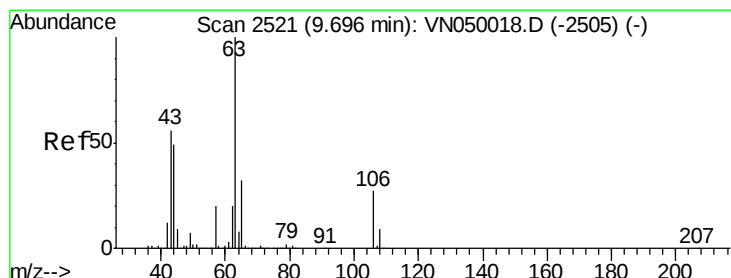
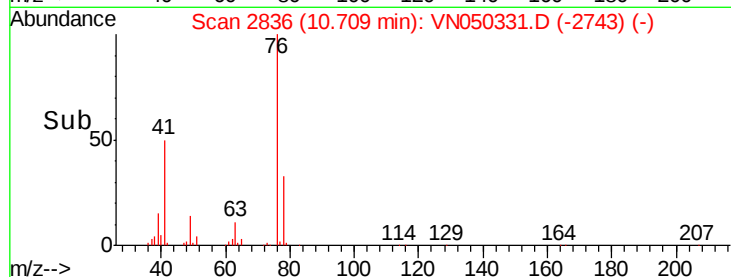
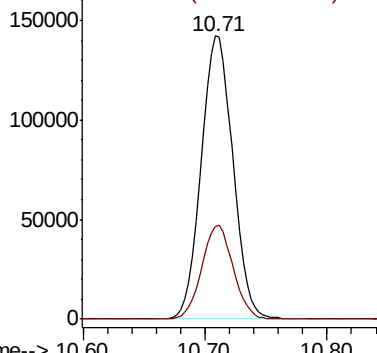
MMDadoda

8/6/2018 11:37:03 AM



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 97.70 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050331.D

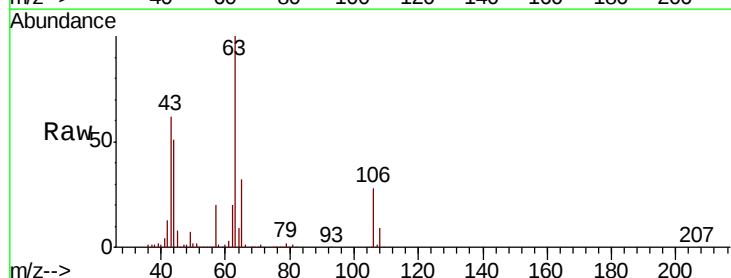
Acq: 3 Aug 2018 23:41

Tgt Ion: 63 Resp: 420919

Ion Ratio Lower Upper

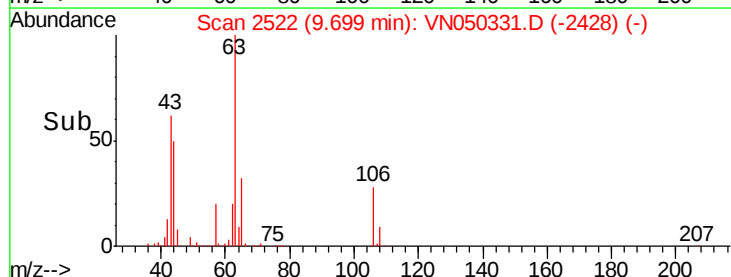
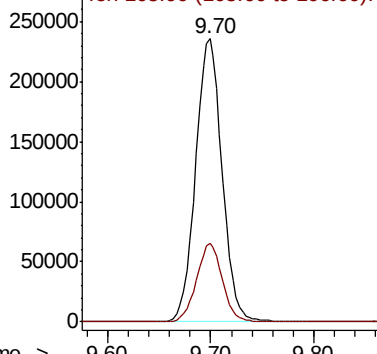
63 100

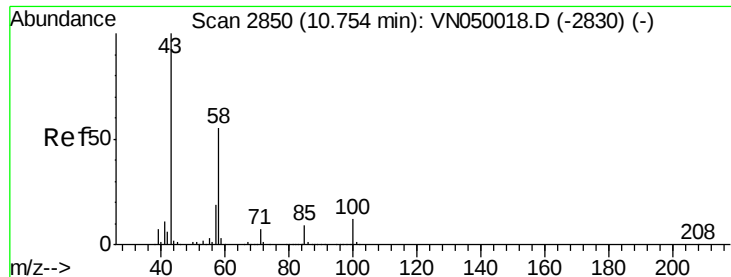
106 27.0 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





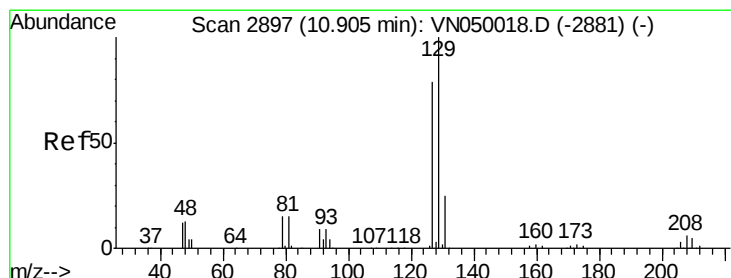
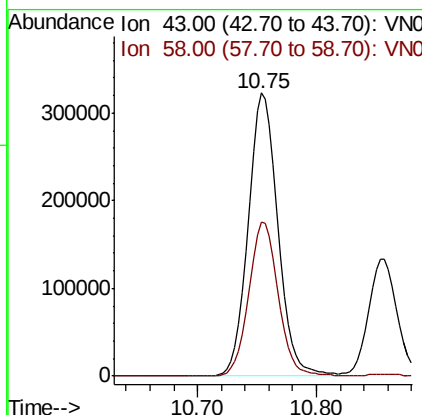
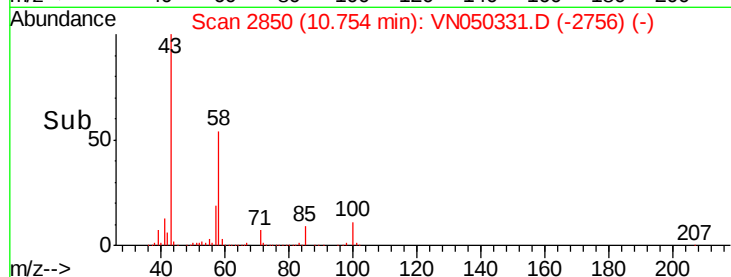
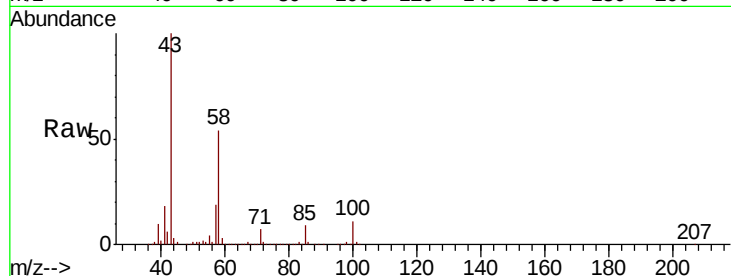
#59
2-Hexanone
Concen: 111.86 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion: 43 Resp: 554771
Ion Ratio Lower Upper
43 100
58 54.3 27.6 82.7

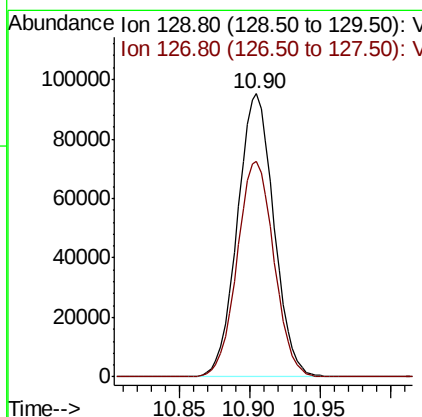
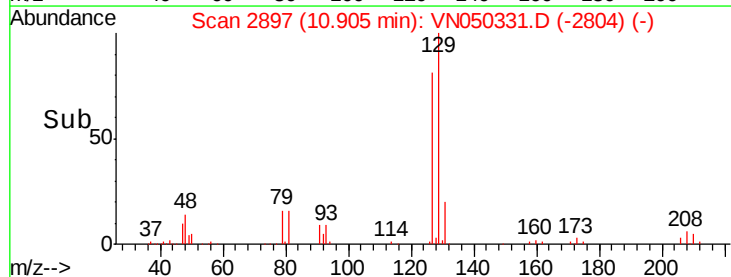
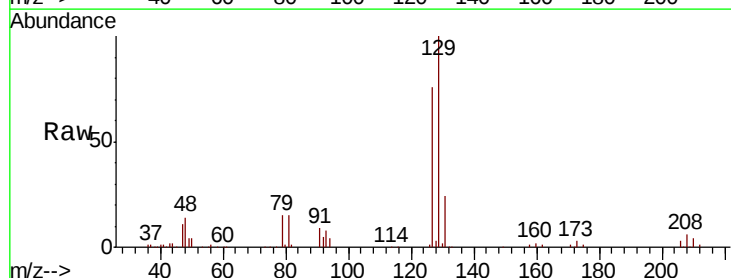
Manual Integrations
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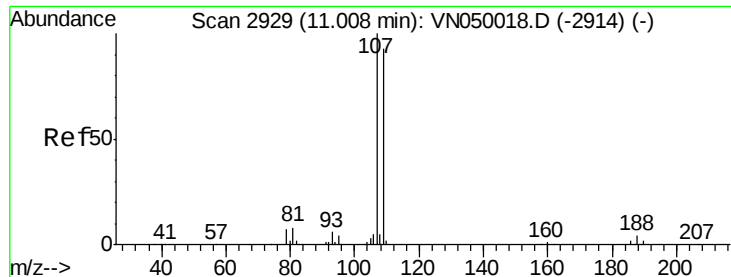
MMDadoda
8/6/2018 11:37:03 AM



#60
Dibromochloromethane
Concen: 21.64 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 129 Resp: 172574
Ion Ratio Lower Upper
129 100
127 77.0 38.0 113.9





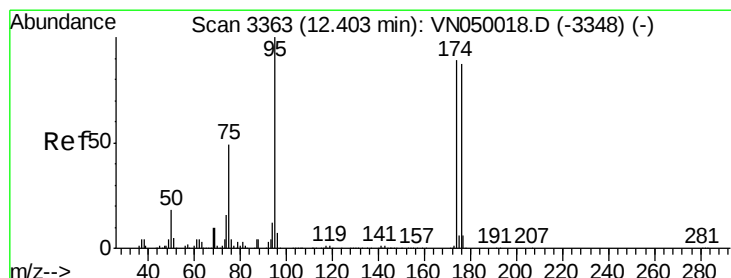
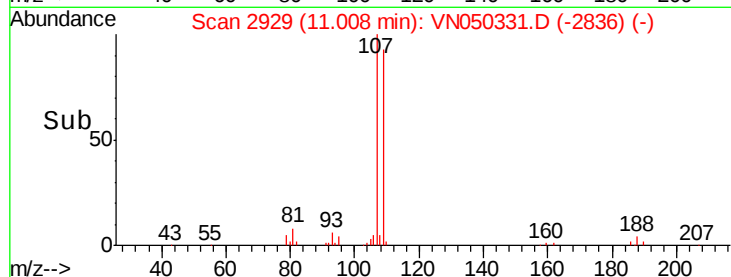
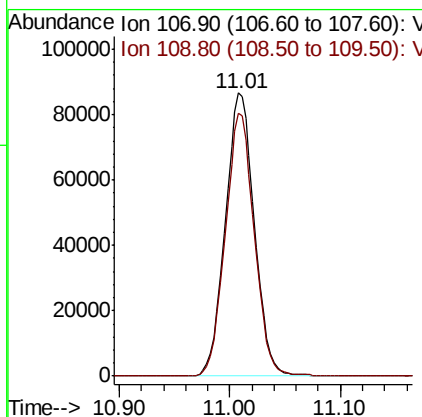
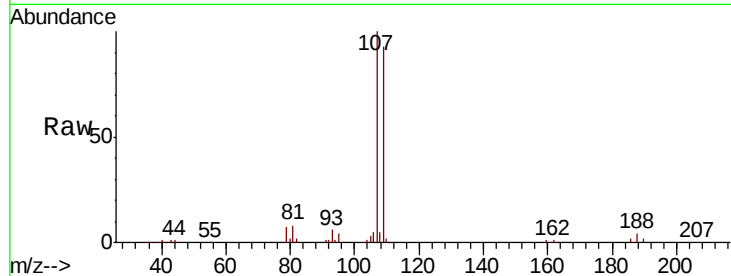
#61
 1,2-Dibromoethane
 Concen: 22.08 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	74.6	112.0

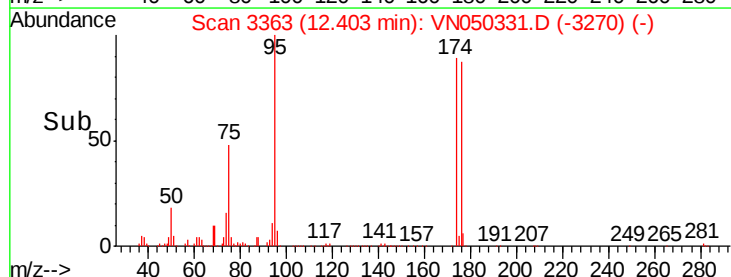
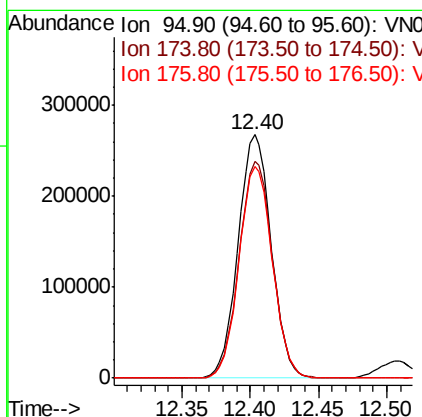
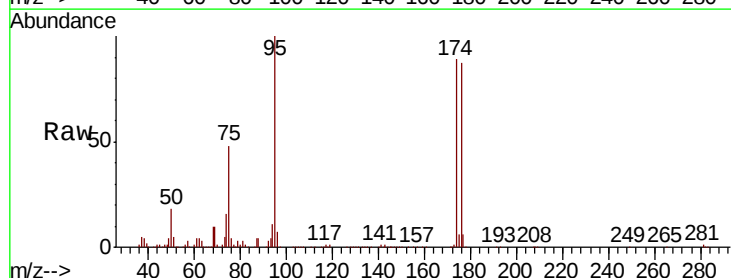
Manual Integrations
 APPROVED

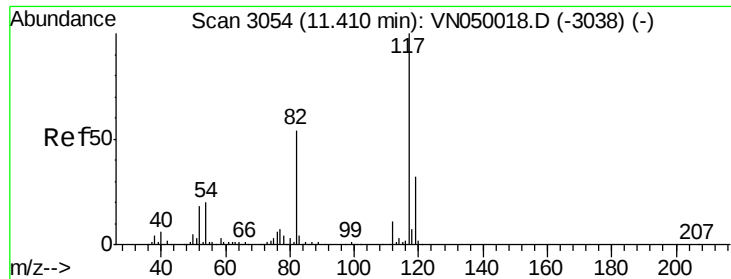
MMDadoda
 8/6/2018 11:37:03 AM



#62
 4-Bromofluorobenzene
 Concen: 50.85 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	178.2
176	87.7	0.0	173.4





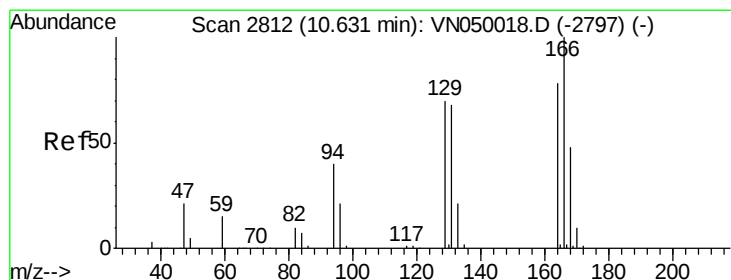
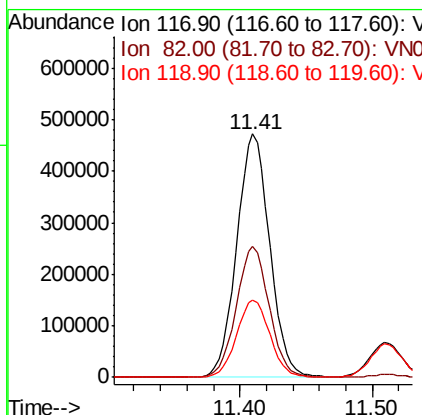
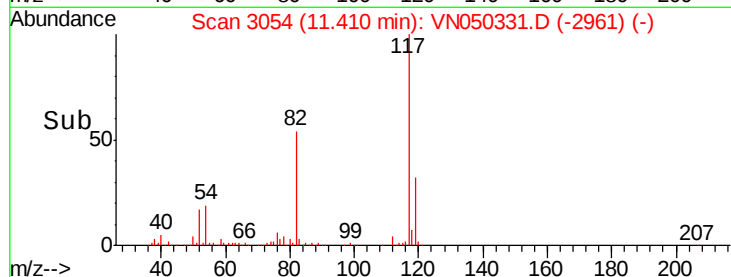
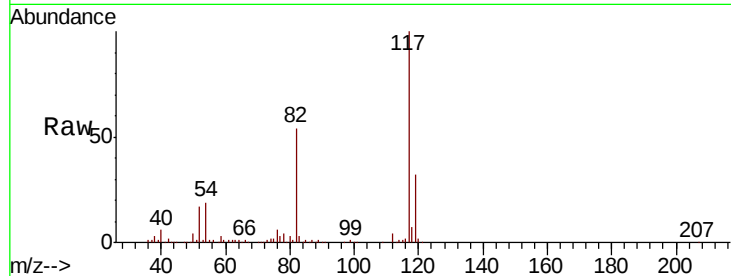
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	43.7	65.5
119	32.0	26.1	39.1

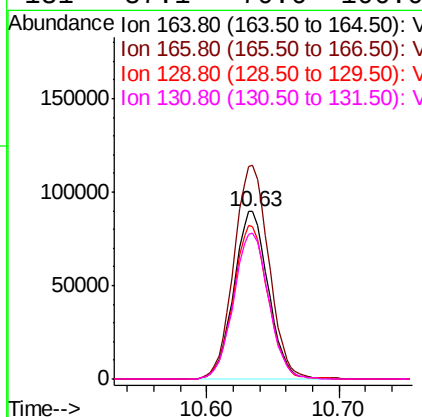
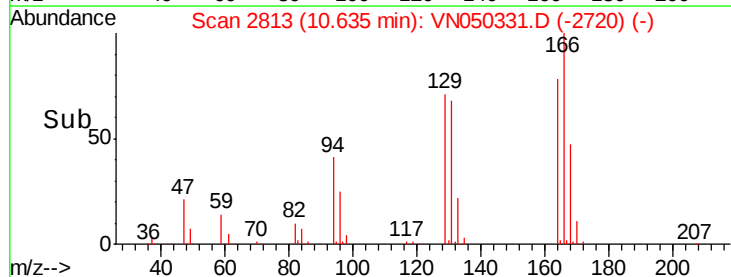
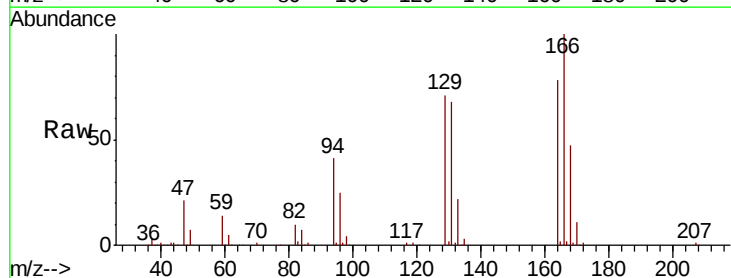
Manual Integrations
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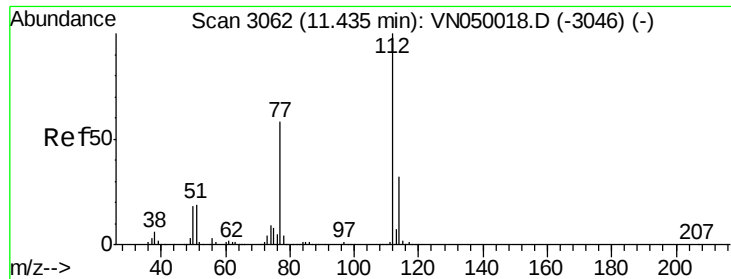
MMDadoda
8/6/2018 11:37:03 AM



#64
Tetrachloroethene
Concen: 20.51 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.6	102.1	153.1
129	91.0	73.2	109.8
131	87.1	70.6	106.0





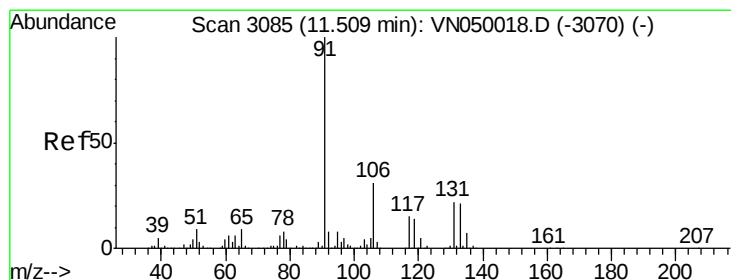
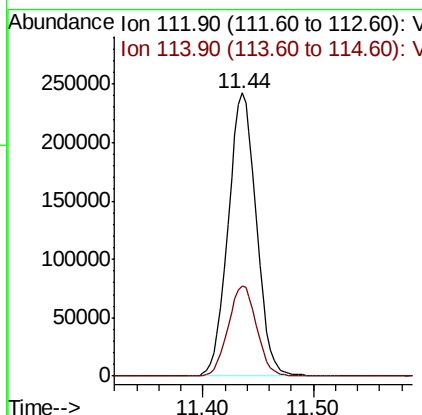
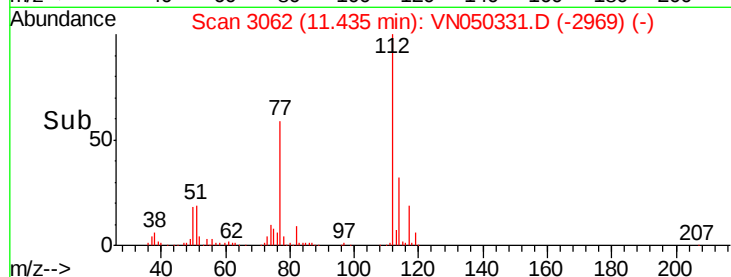
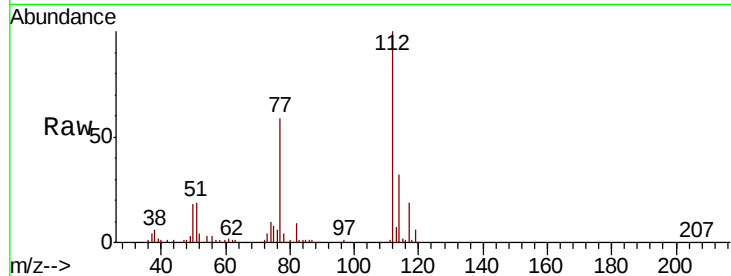
#65
Chlorobenzene
Concen: 20.76 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.6	38.4

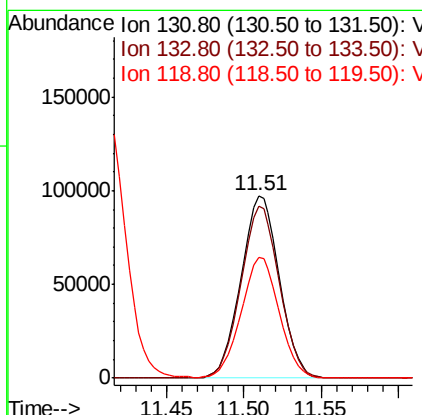
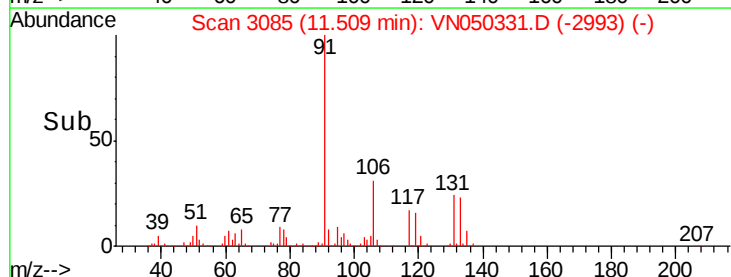
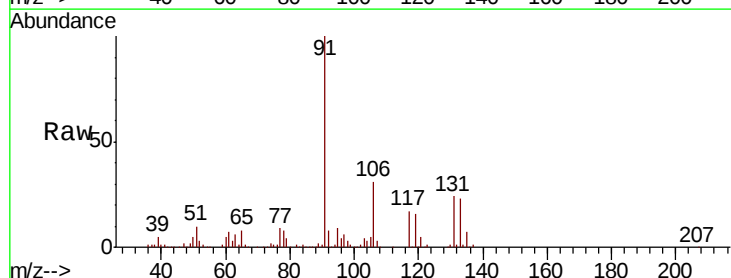
Manual Integrations
APPROVED

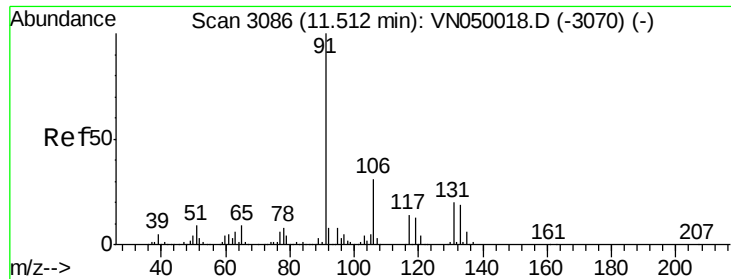
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.13 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	47.3	141.9
119	65.9	32.9	98.7





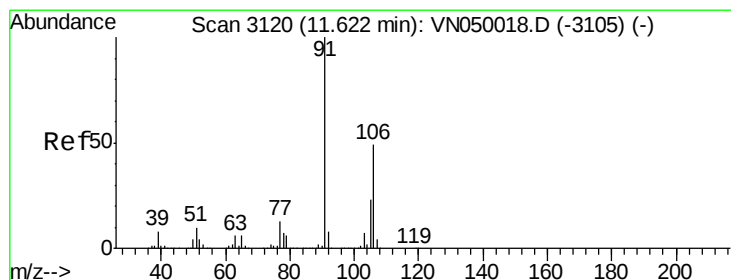
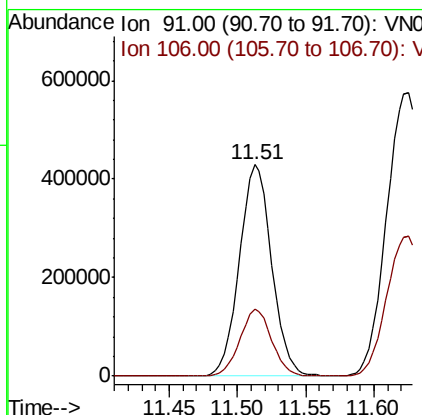
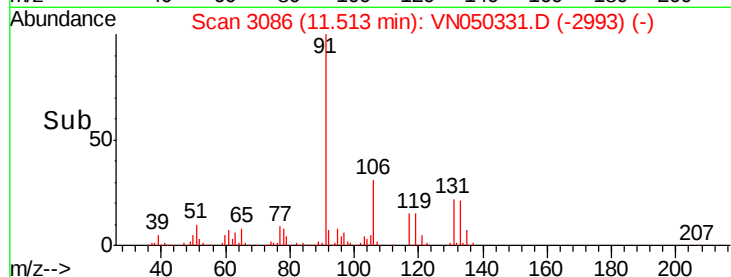
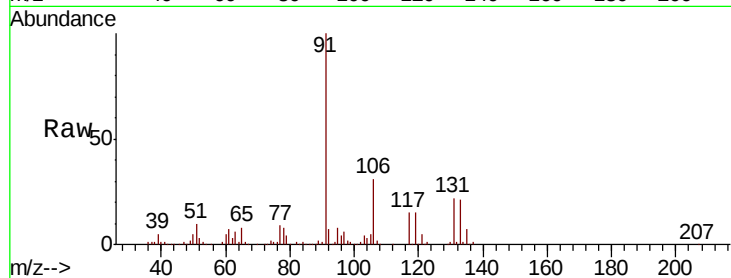
#67
Ethyl Benzene
Concen: 21.32 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

Tot Ion: 91 Resp: 705908
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

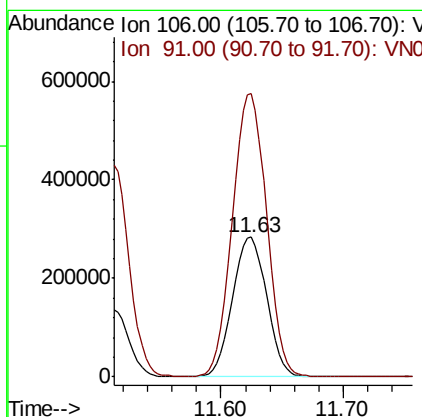
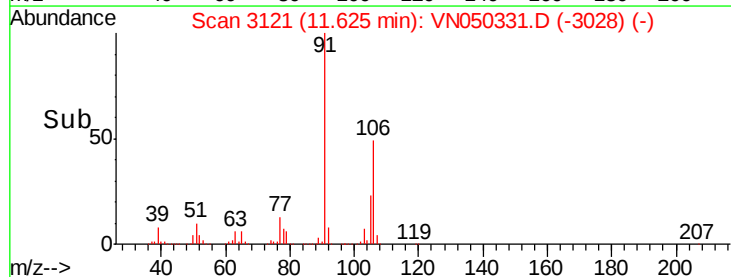
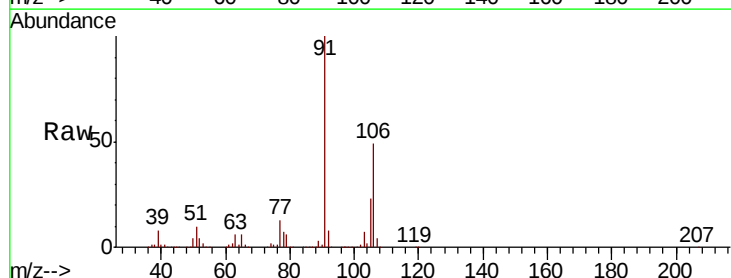
Manual Integrations
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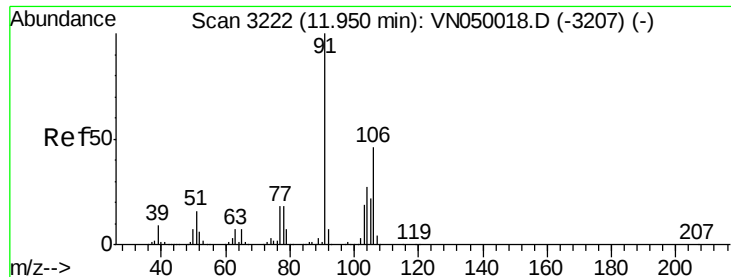
MMDadoda
8/6/2018 11:37:03 AM



#68
m/p-Xylenes
Concen: 44.03 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion: 106 Resp: 551510
Ion Ratio Lower Upper
106 100
91 202.3 162.2 243.2





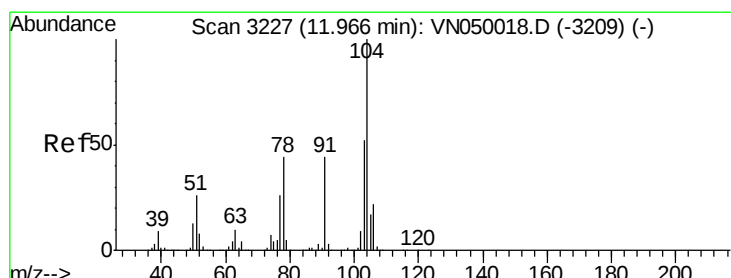
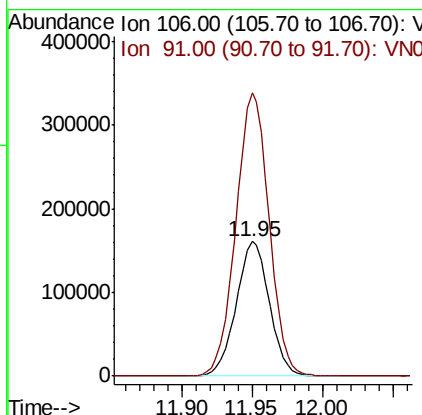
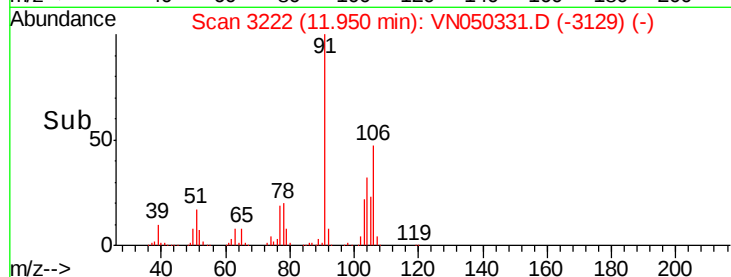
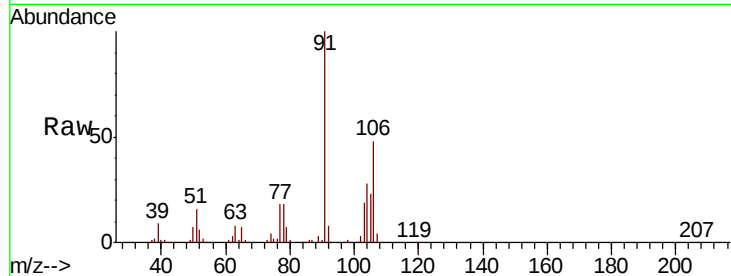
#69
o-Xylene
Concen: 22.16 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	264644		
91	91	211.2	107.7	323.1	

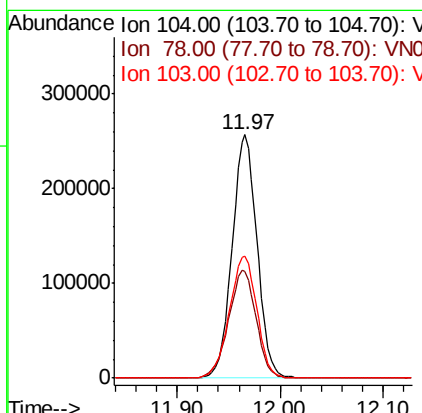
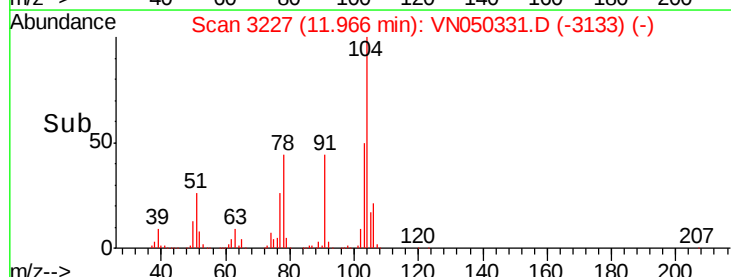
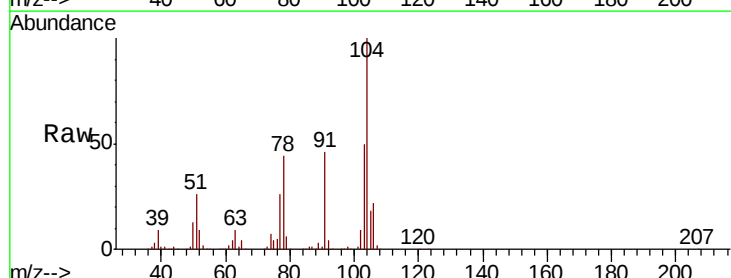
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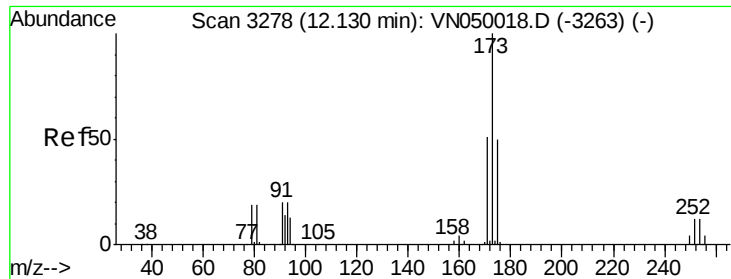
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#70
Styrene
Concen: 20.94 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	433059		
78	78	49.1	39.3	58.9	
103	103	55.3	45.0	67.6	





#71

Bromoform

Concen: 21.18 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

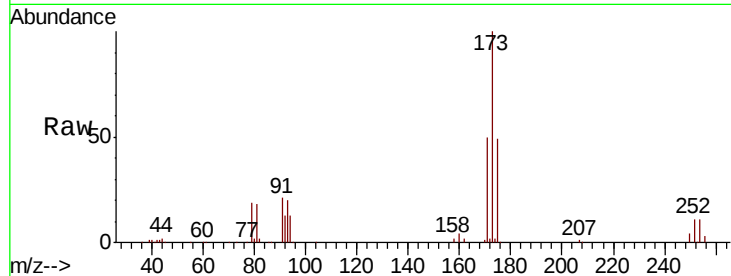
ClientSampled :

VN0803WBS03

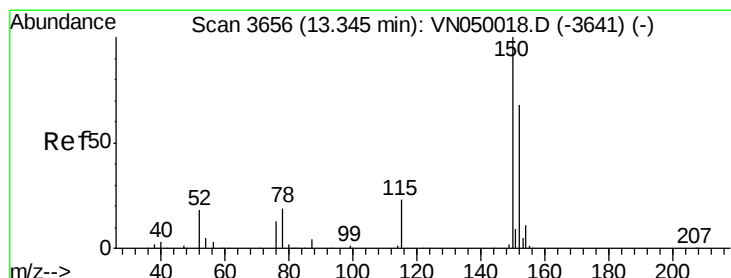
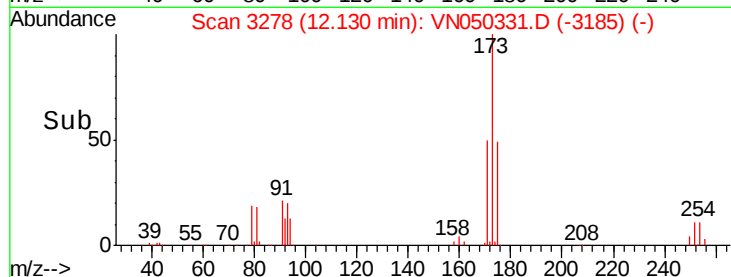
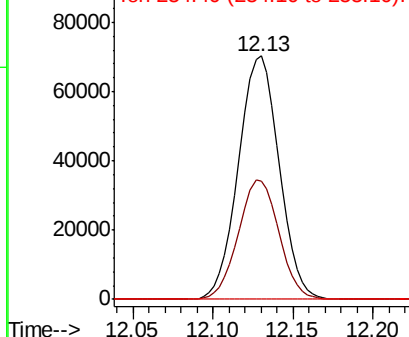
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.1	72.2
254	0.0	0.2	0.2

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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

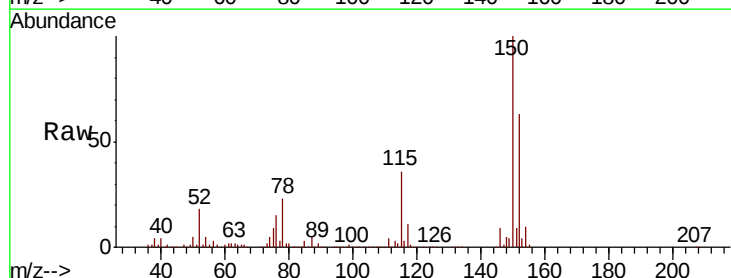
RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

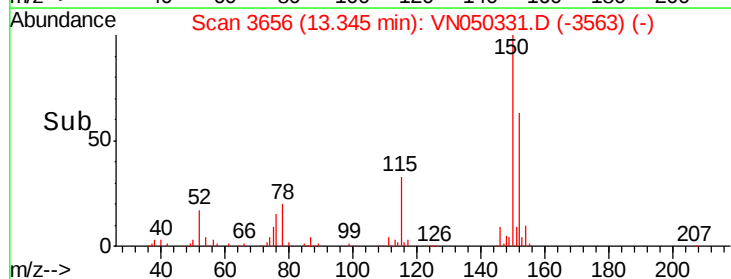
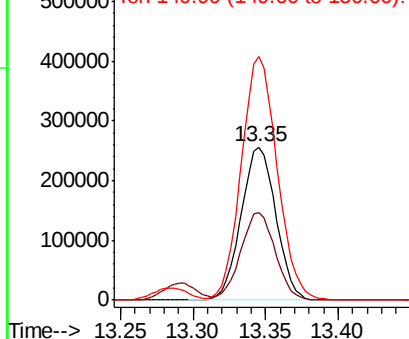
Lab File: VN050331.D

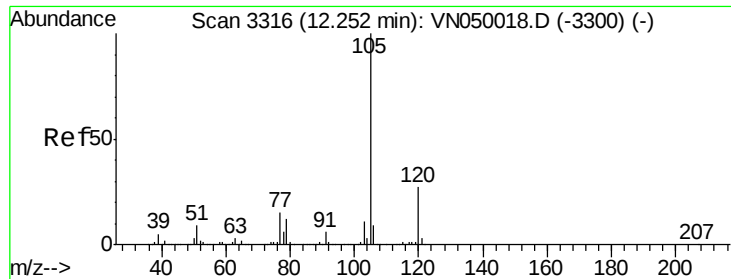
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.8	27.8	83.3
150	164.7	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: 20.78 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

Tot Ion:105 Resp: 689772

Ion Ratio Lower Upper

105 100

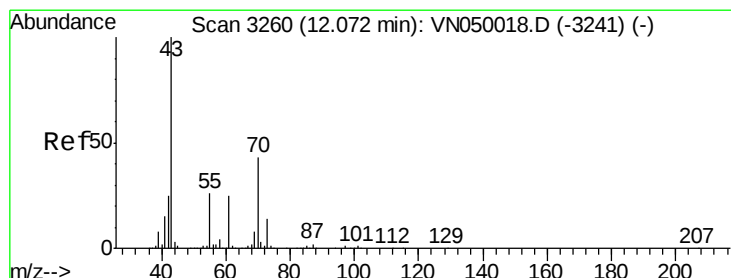
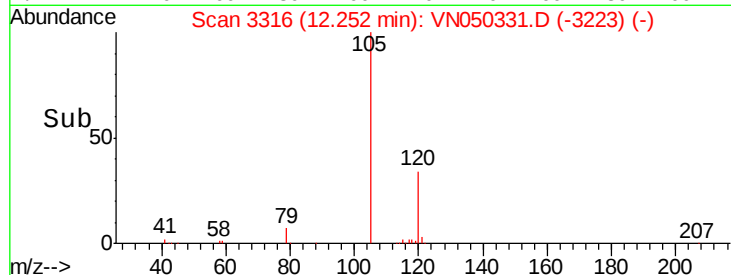
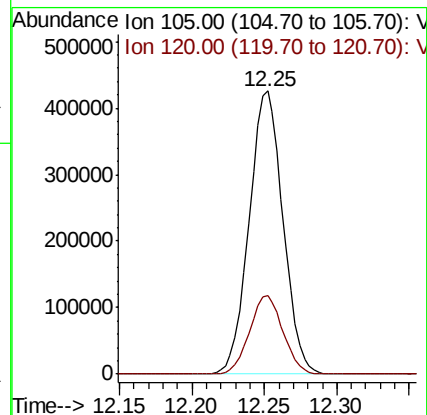
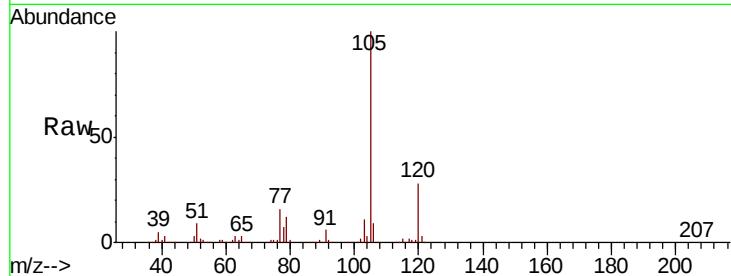
120 27.4 13.3 39.8

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#74

N-ethyl acetate

Concen: 21.61 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion: 43 Resp: 219204

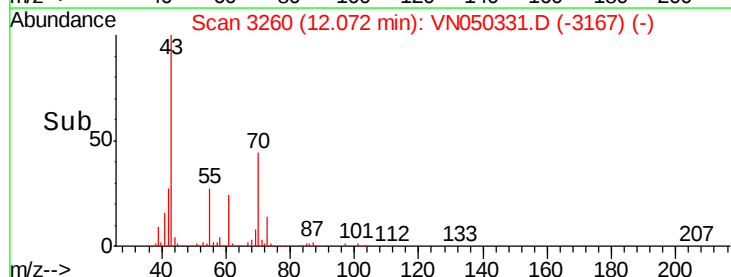
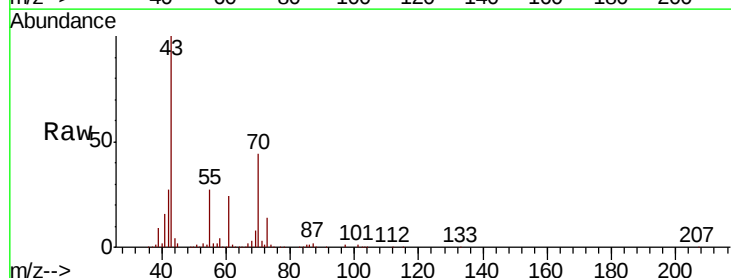
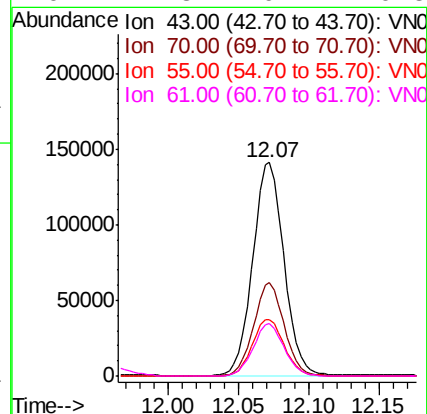
Ion Ratio Lower Upper

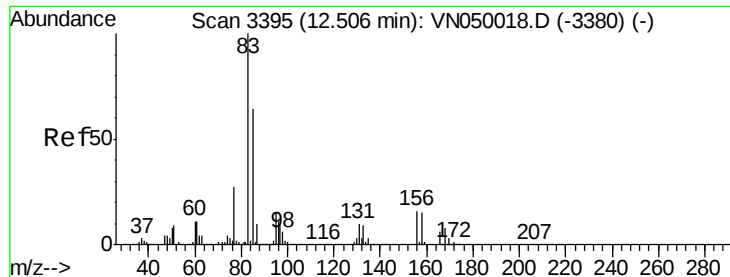
43 100

70 43.1 34.4 51.6

55 27.2 20.8 31.2

61 24.3 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.99 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

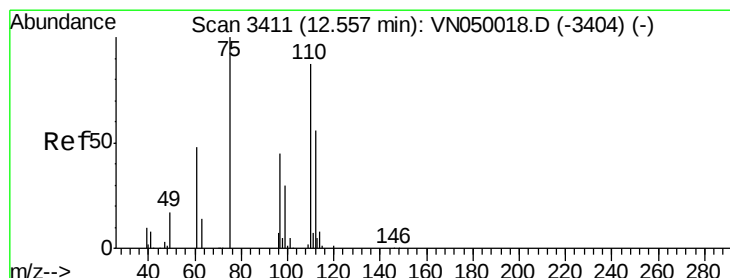
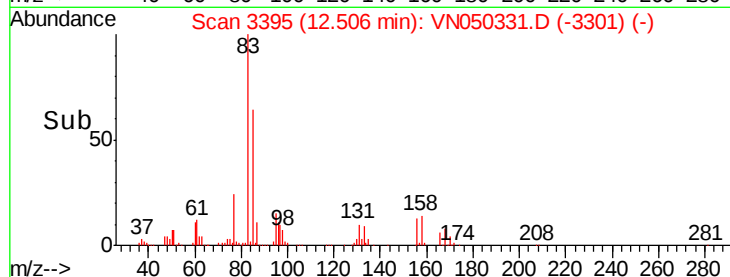
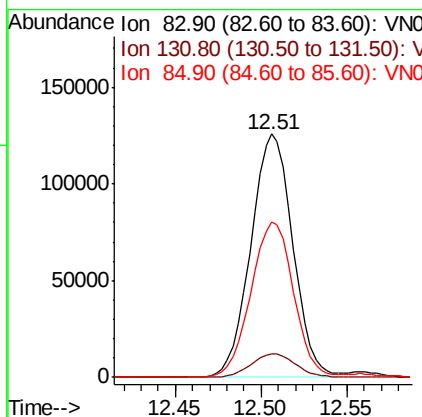
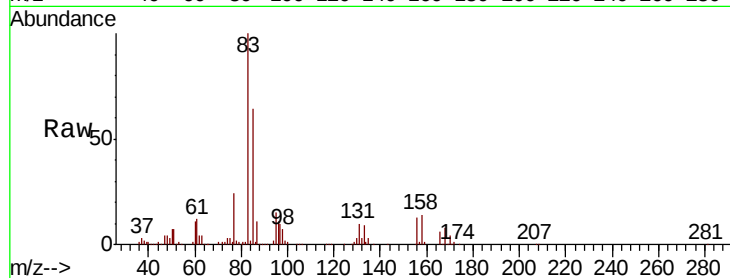
ClientSampled :

VN0803WBS03

Tot Ion:	83	Resp:	212265
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.1	15.3
85	64.8	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.94 ug/l m

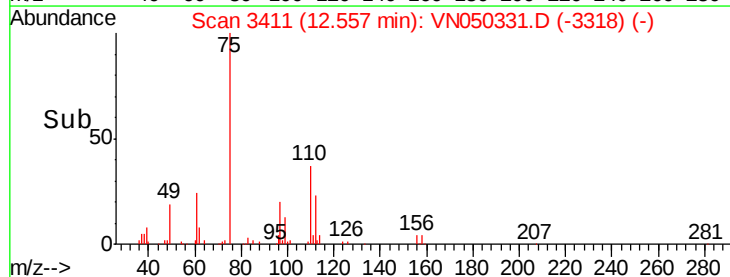
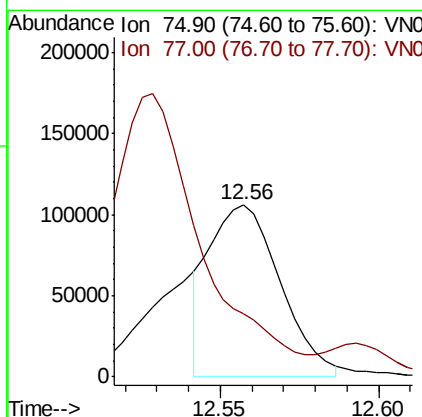
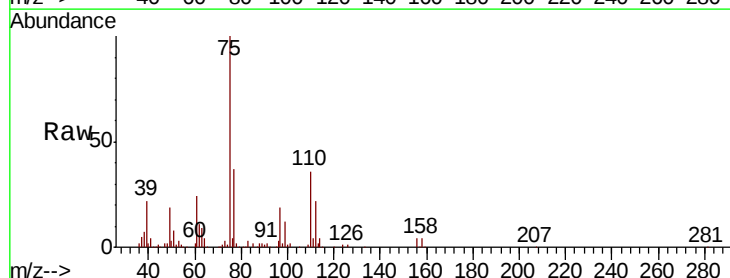
RT: 12.56 min Scan# 3411

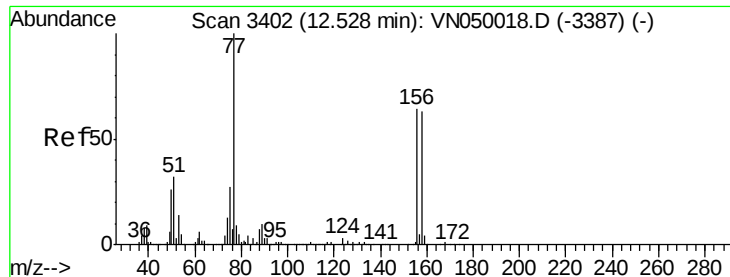
Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion:	75	Resp:	166534
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.44 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

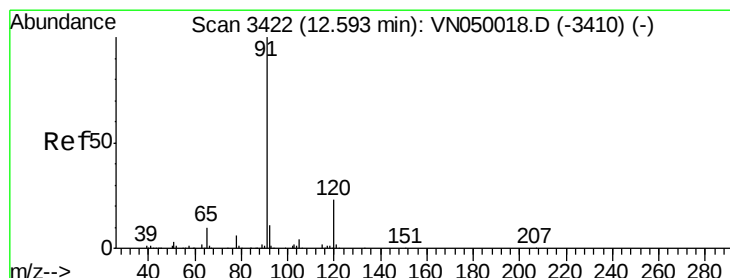
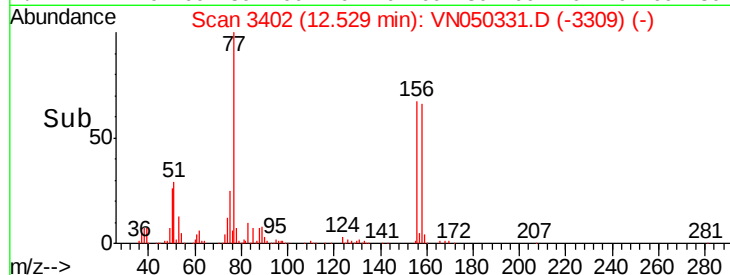
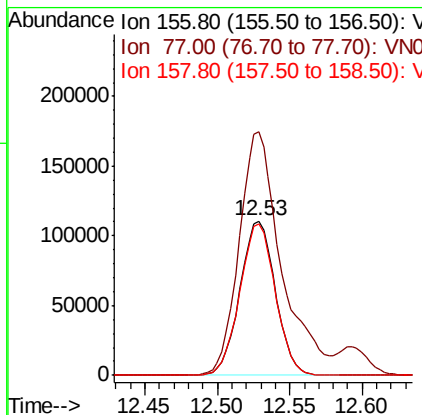
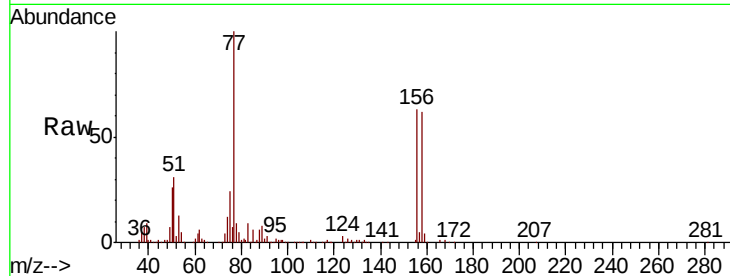
ClientSampleId :

VN0803WBS03

Tot Ion:	156	Resp:	187983
Ion Ratio	Lower	Upper	
156	100		
77	187.5	91.7	275.1
158	98.5	48.9	146.6

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#78

n-propylbenzene

Concen: 21.53 ug/l

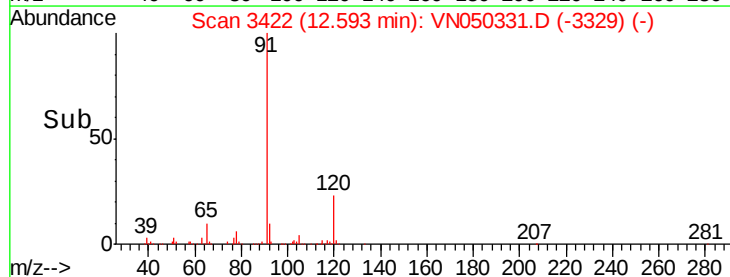
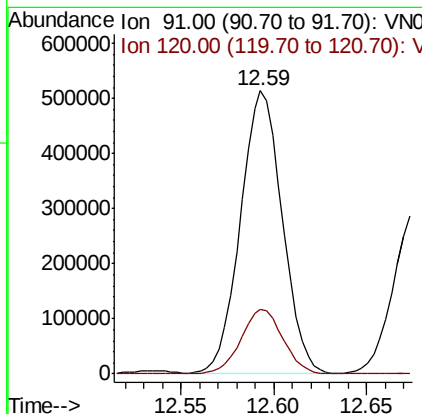
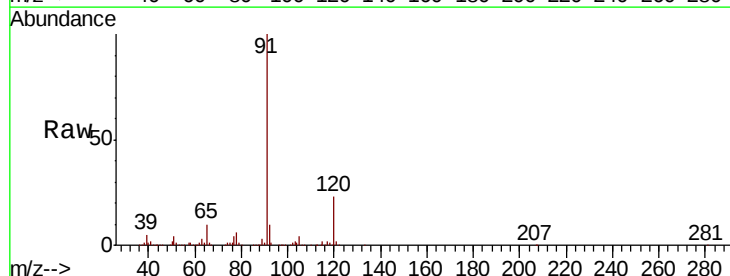
RT: 12.59 min Scan# 3422

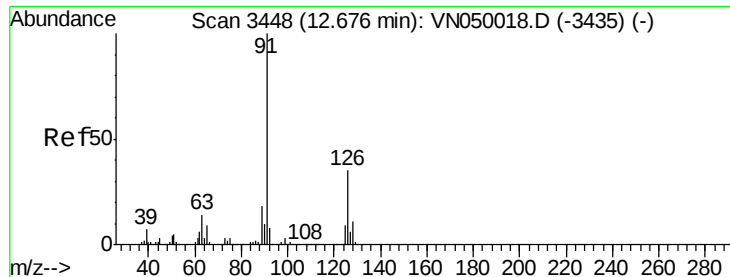
Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion:	91	Resp:	798828
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.6	34.7





#79

2-Chlorotoluene

Concen: 21.30 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

Tot Ion: 91 Resp: 489801

Ion Ratio Lower Upper

91 100

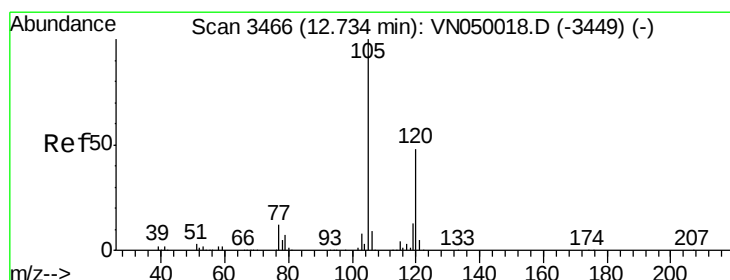
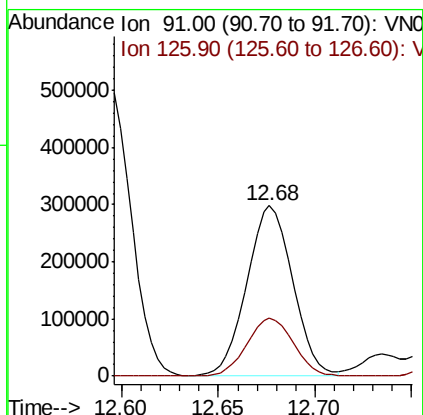
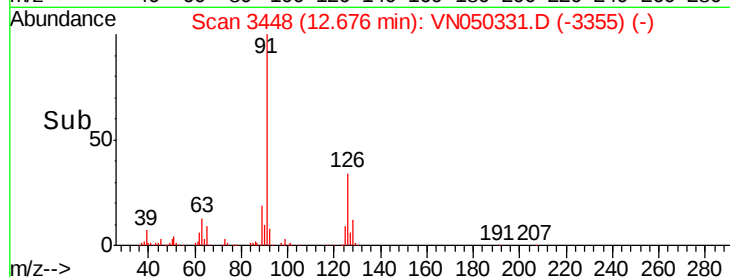
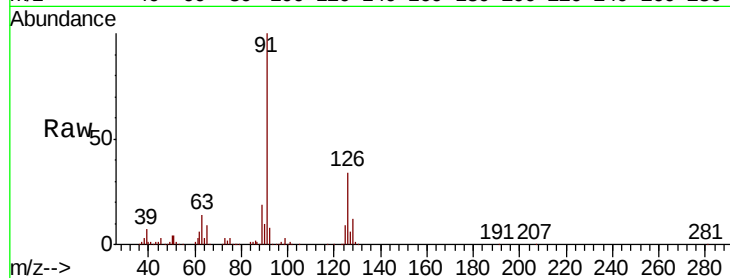
126 34.9 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 22.28 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050331.D

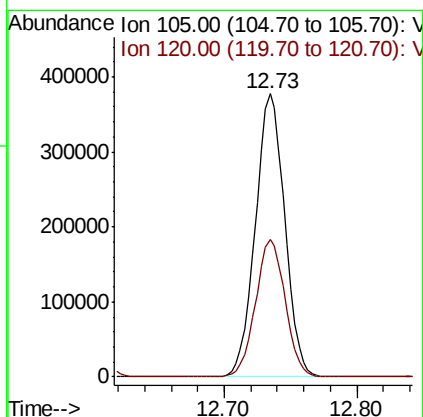
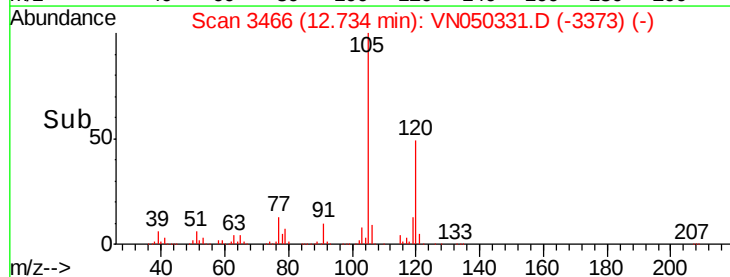
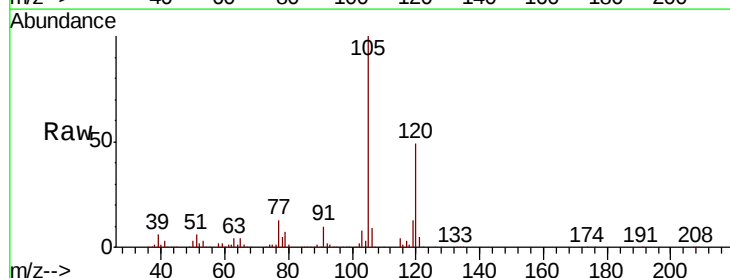
Acq: 3 Aug 2018 23:41

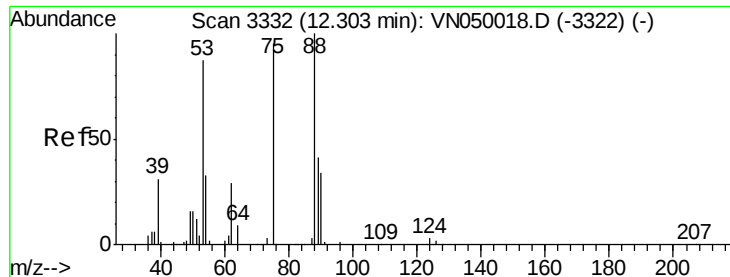
Tgt Ion: 105 Resp: 581691

Ion Ratio Lower Upper

105 100

120 48.7 24.4 73.2





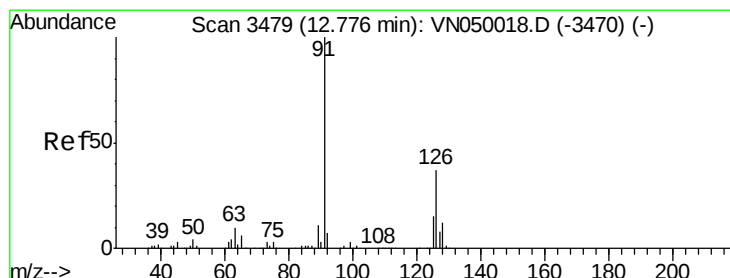
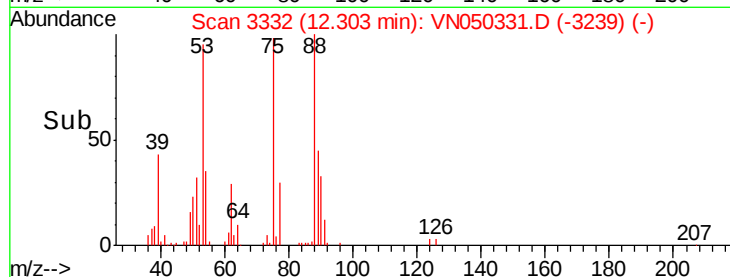
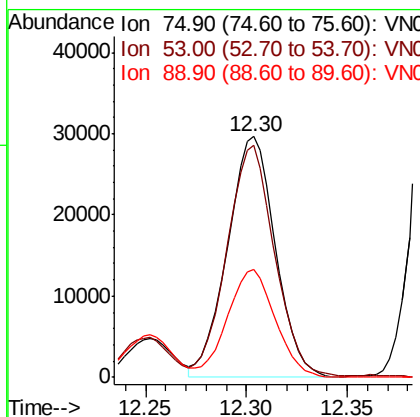
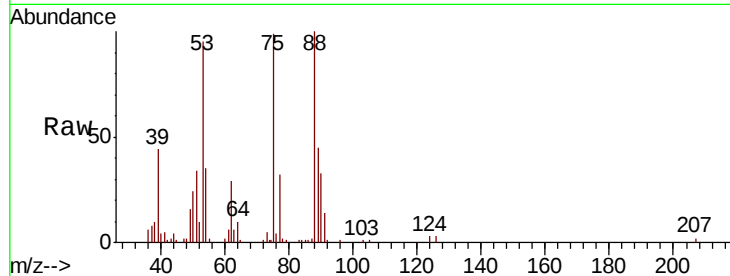
#81
trans-1,4-Dichloro-2-butene
Concen: 19.62 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.5	73.5	110.3
89	44.8	36.0	54.0

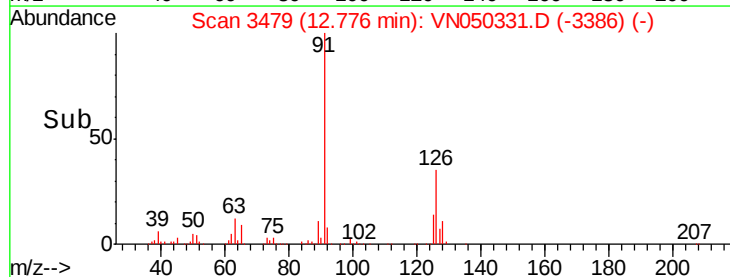
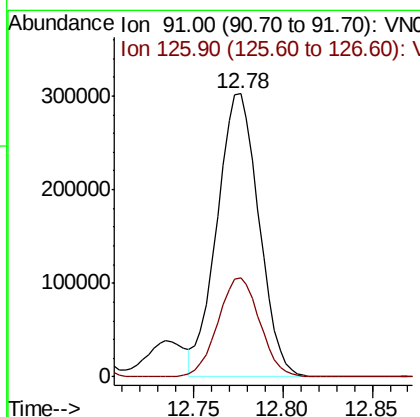
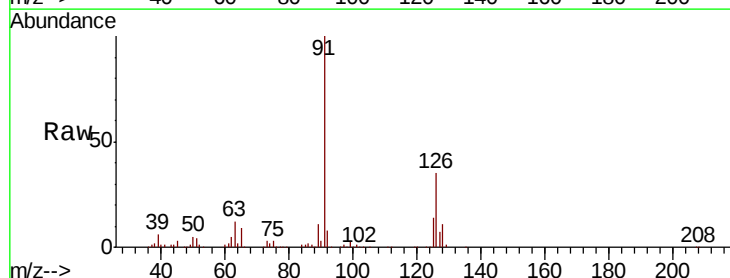
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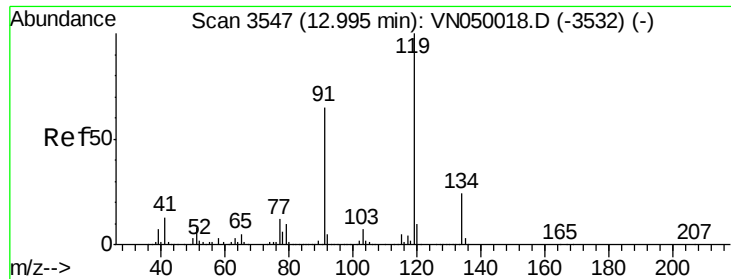
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#82
4-Chlorotoluene
Concen: 21.62 ug/l
RT: 12.78 min Scan# 3479
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.0	51.0





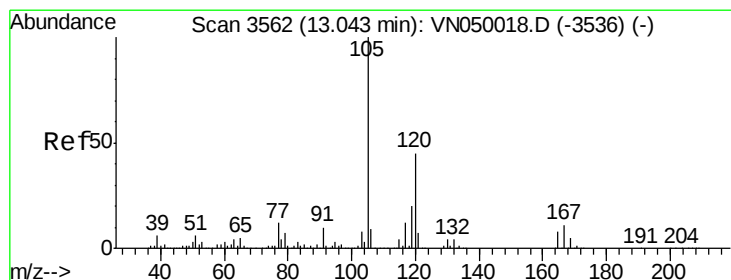
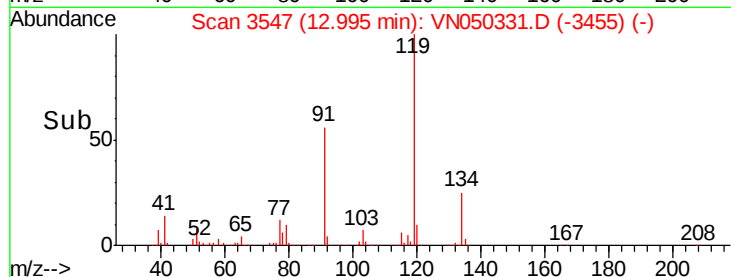
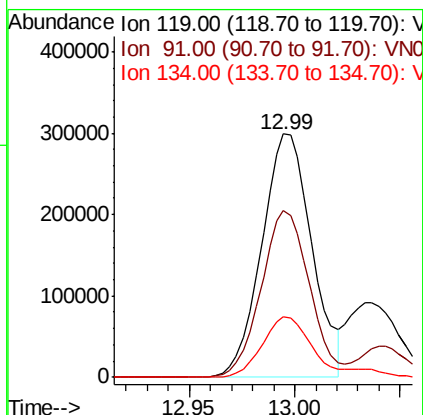
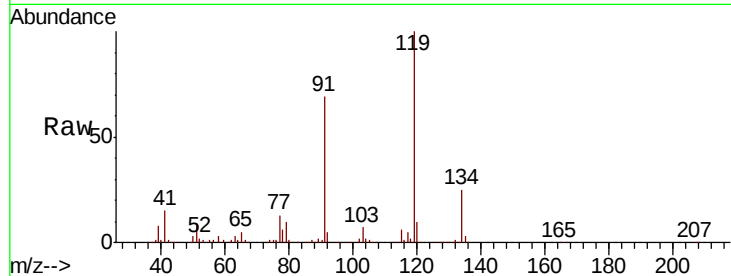
#83
 tert-Butylbenzene
 Concen: 21.74 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0803WBS03

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.8	32.1	96.3
134	24.3	13.2	39.5

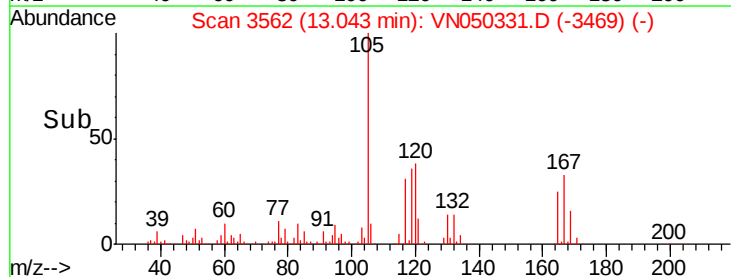
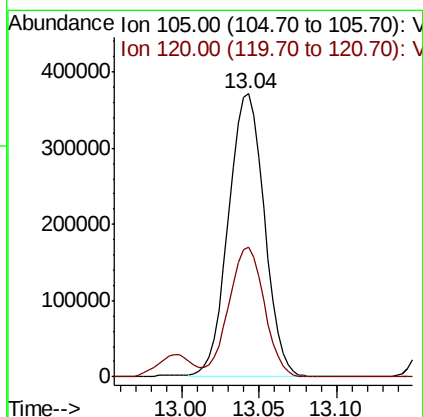
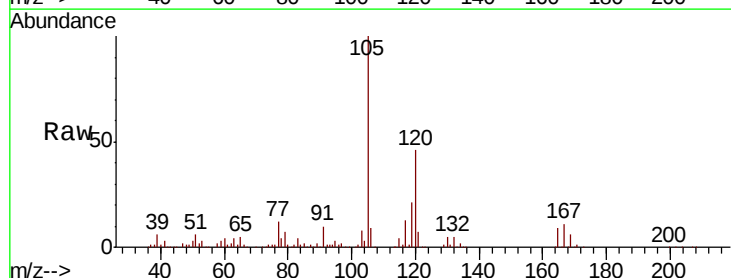
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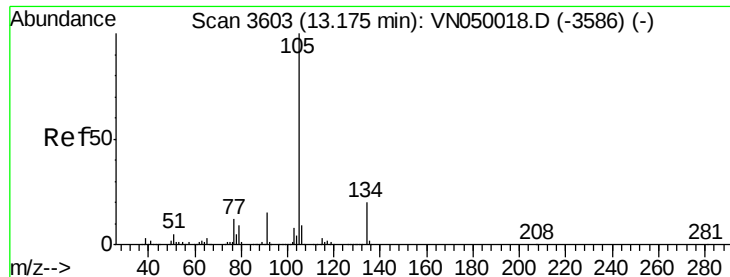
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.72 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.9	68.7





#85

sec-Butylbenzene

Concen: 21.78 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

ClientSampled :

VN0803WBS03

Tot Ion:105 Resp: 662917

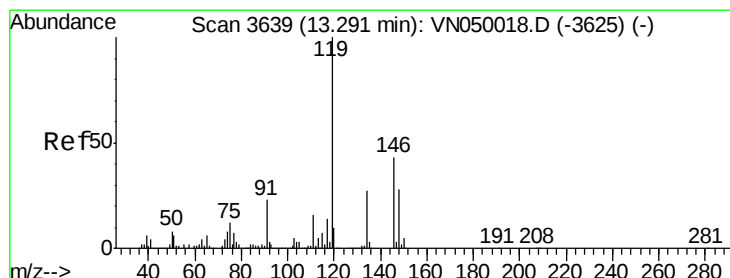
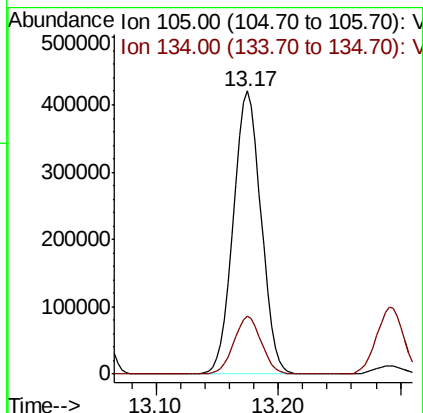
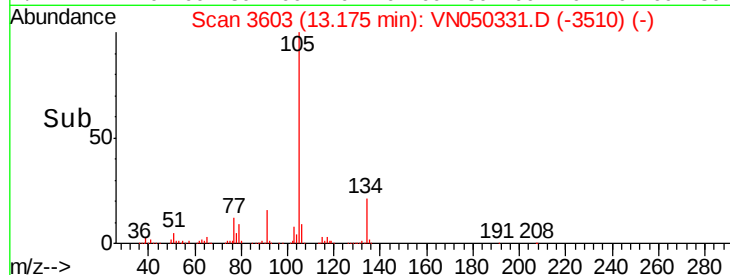
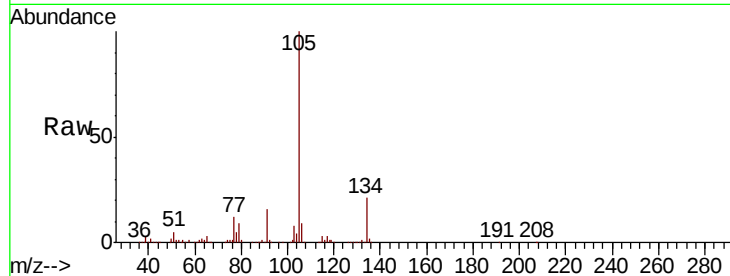
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 22.05 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

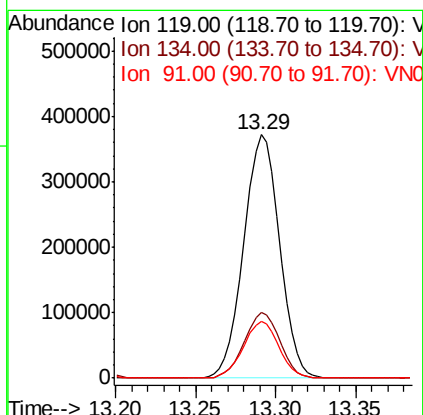
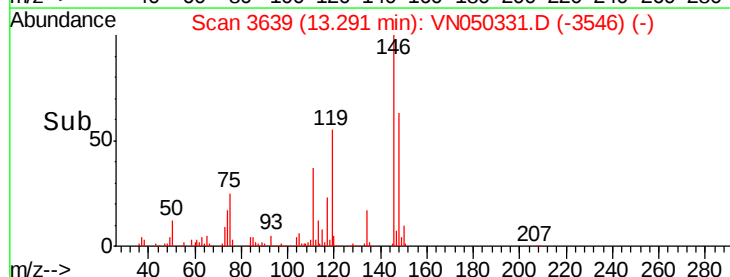
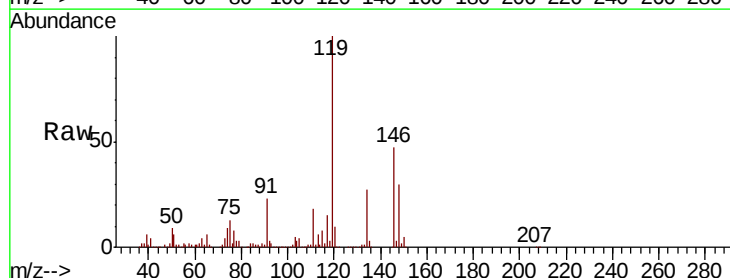
Tgt Ion:119 Resp: 565648

Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.0 11.4 34.2





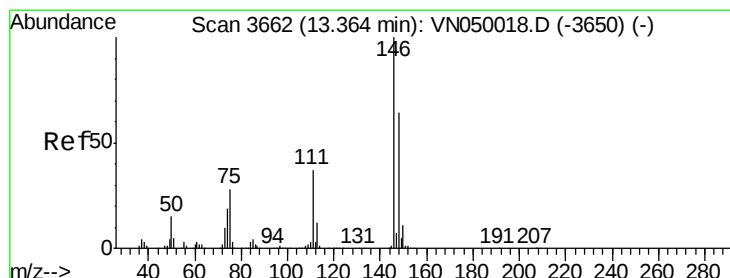
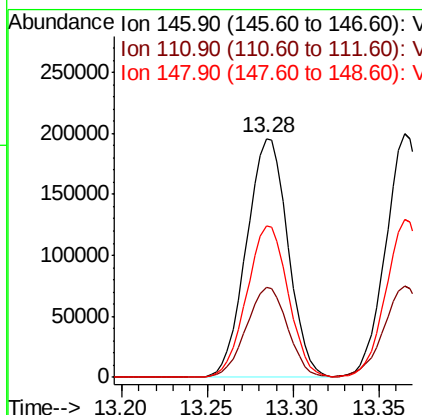
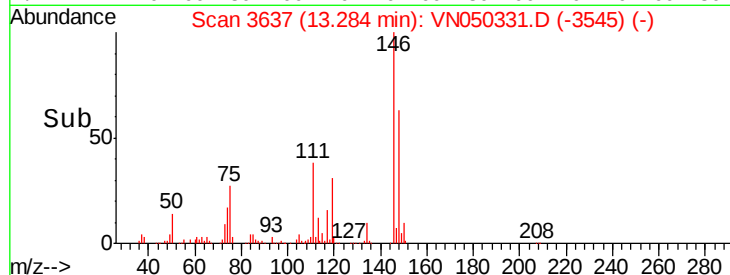
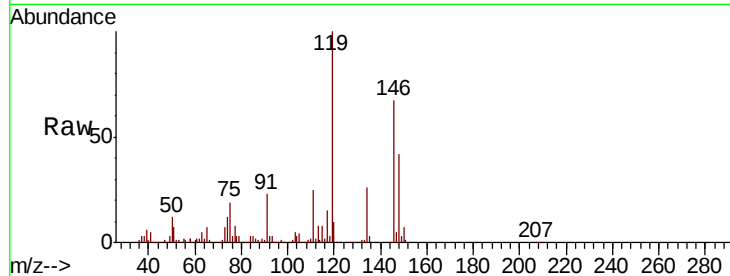
#87
 1,3-Dichlorobenzene
 Concen: 20.99 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0803WBS03

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	63.4	31.9	95.9

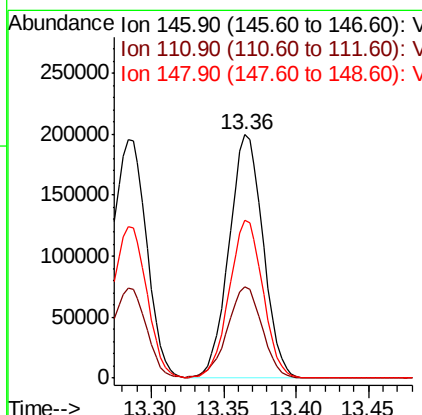
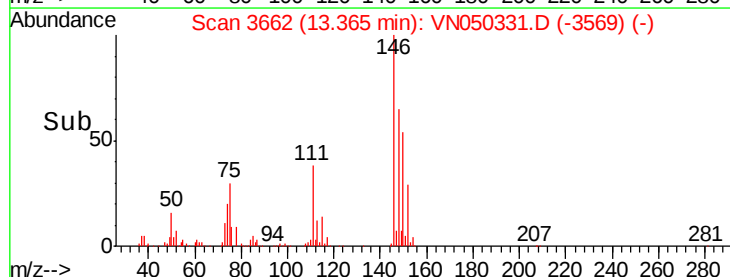
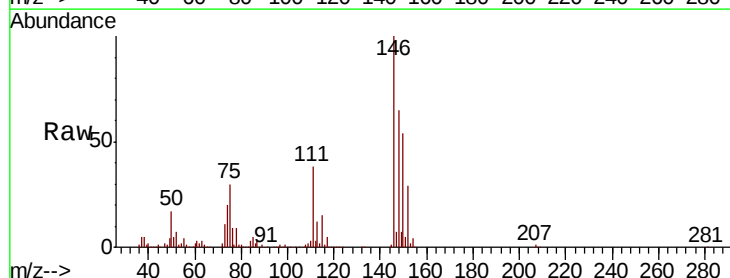
Manual Integrations
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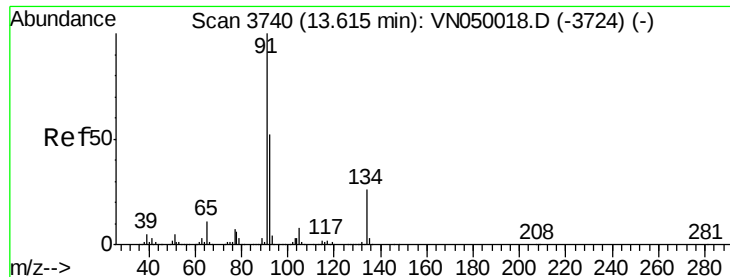
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#88
 1,4-Dichlorobenzene
 Concen: 21.37 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

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





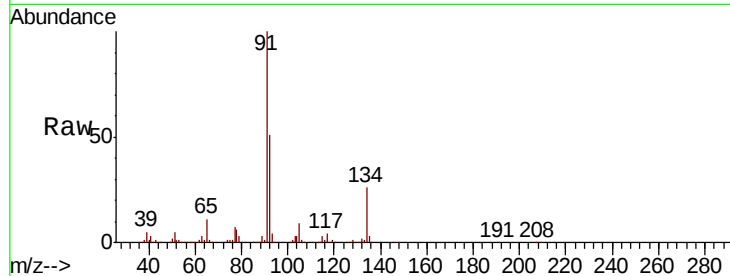
#89
n-Butylbenzene
Concen: 20.91 ug/l
RT: 13.62 min Scan# 3741
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampled :
VN0803WBS03

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	25.8	77.4
134	25.6	12.8	38.4

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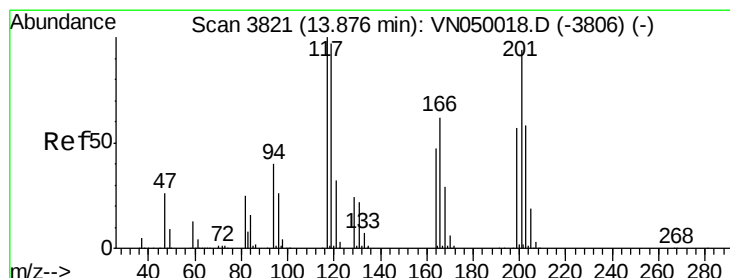
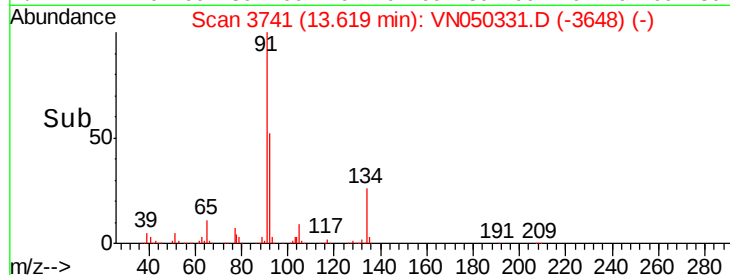
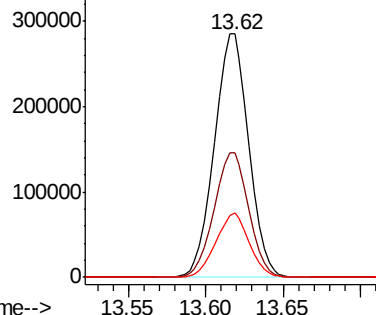


Abundance

Ion 91.00 (90.70 to 91.70): VN050018.D (-3724) (-)

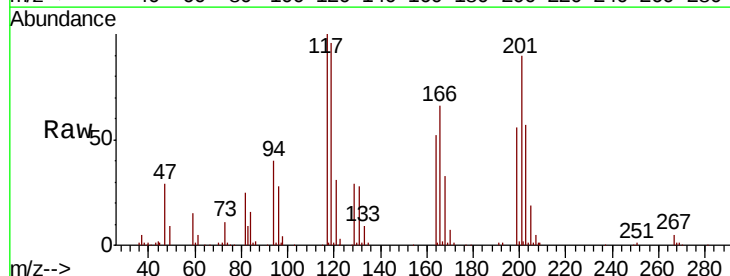
Ion 92.00 (91.70 to 92.70): VN050018.D (-3724) (-)

Ion 134.00 (133.70 to 134.70): VN050018.D (-3724) (-)



#90
Hexachloroethane
Concen: 16.84 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

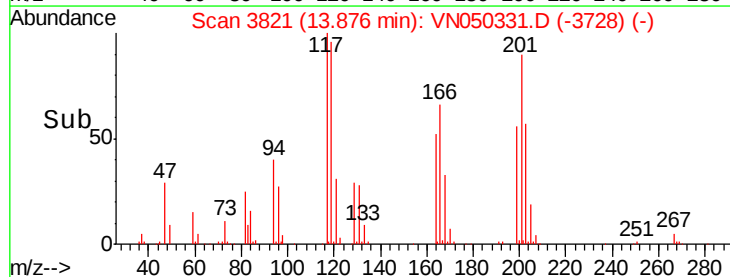
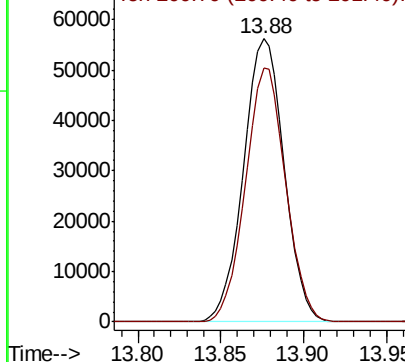
Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.6	45.6	136.8

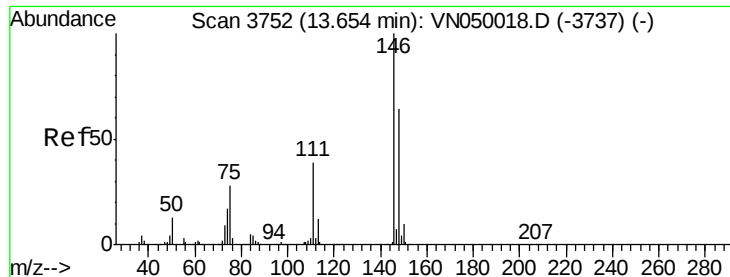


Abundance

Ion 116.80 (116.50 to 117.50): VN050018.D (-3806) (-)

Ion 200.70 (200.40 to 201.40): VN050018.D (-3806) (-)





#91

1,2-Dichlorobenzene

Concen: 21.16 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Instrument :

MSVOA_N

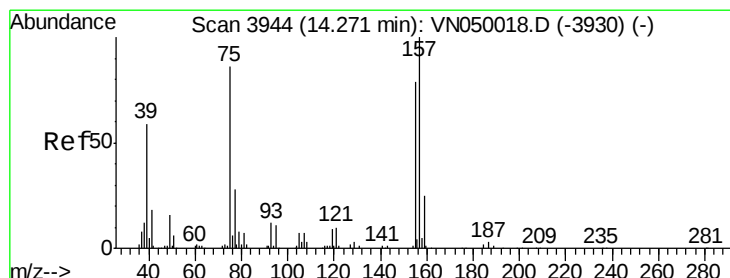
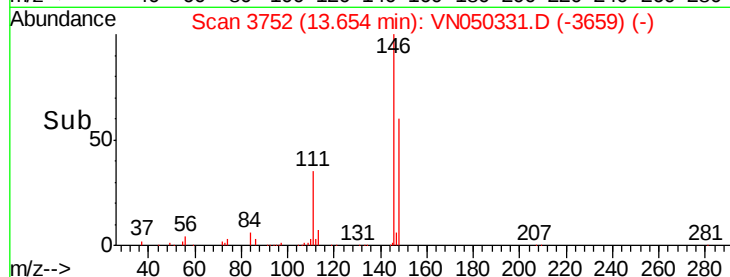
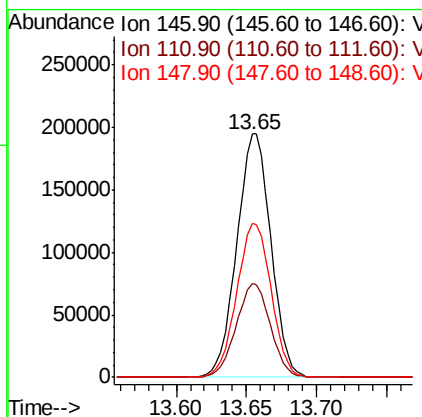
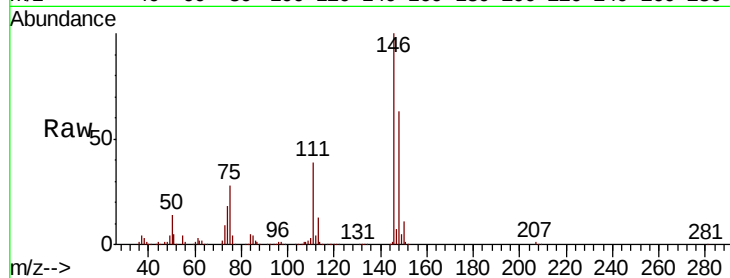
ClientSampled :

VN0803WBS03

Tot Ion:	146	Resp:	329792
Ion Ratio	Lower	Upper	
146	100		
111	38.6	19.6	58.7
148	63.8	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 22.71 ug/l

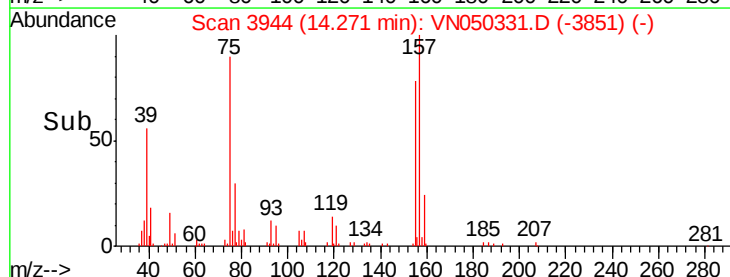
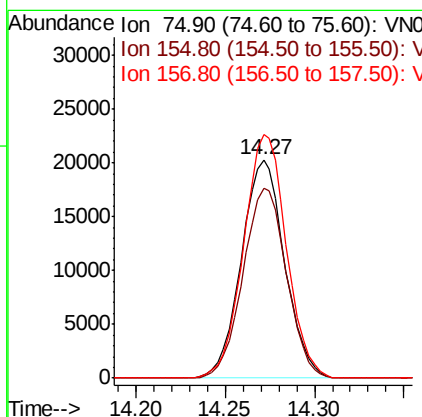
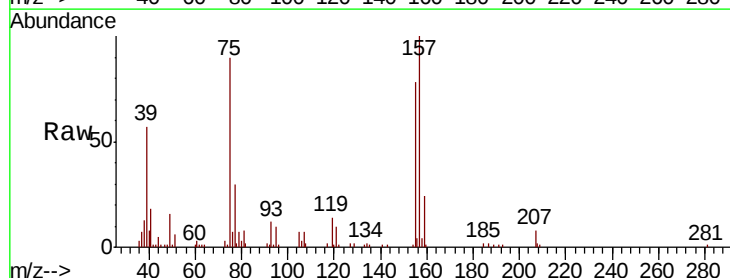
RT: 14.27 min Scan# 3944

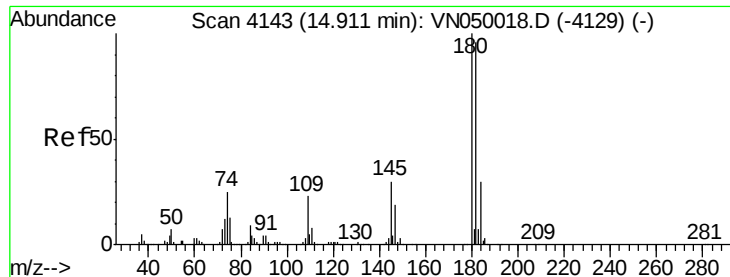
Delta R.T. 0.00 min

Lab File: VN050331.D

Acq: 3 Aug 2018 23:41

Tgt Ion:	75	Resp:	34239
Ion Ratio	Lower	Upper	
75	100		
155	87.3	44.8	134.4
157	110.4	57.2	171.6





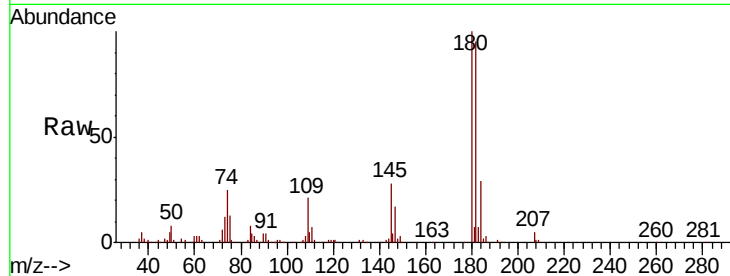
#93
 1,2,4-Trichlorobenzene
 Concen: 21.92 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Instrument :
 MSVOA_N
 ClientSampled :
 VN0803WBS03

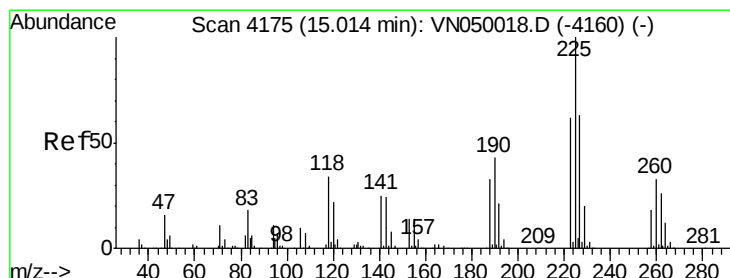
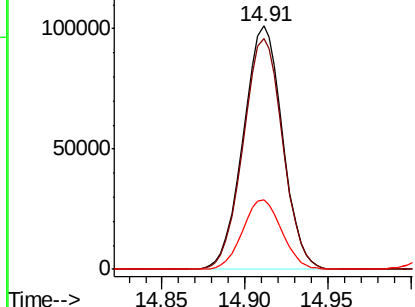
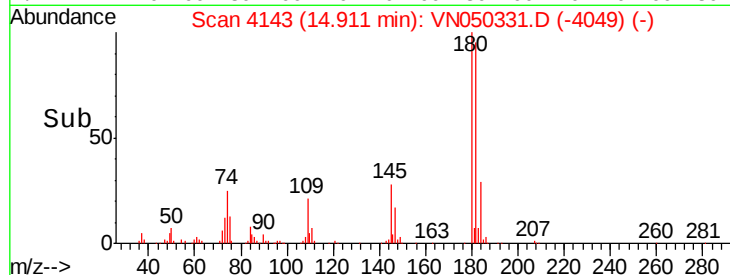
Tot Ion:	180	Resp:	165941
Ion Ratio	Lower	Upper	
180	100		
182	95.9	46.7	140.1
145	28.7	13.8	41.4

Manual Integrations
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MMDadoda
 8/6/2018 11:37:03 AM

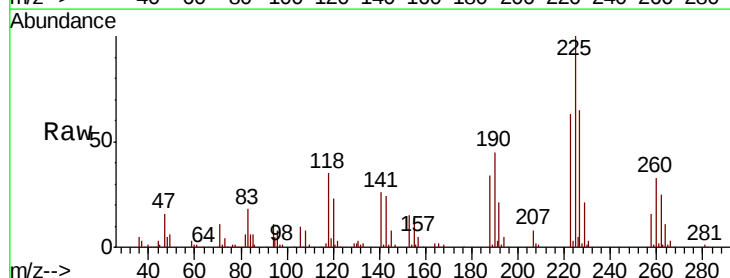


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

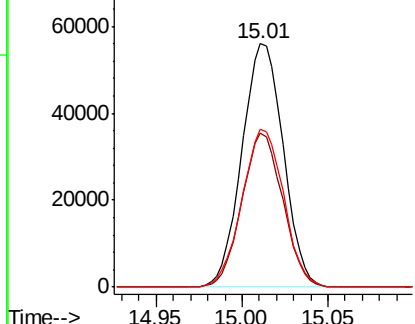
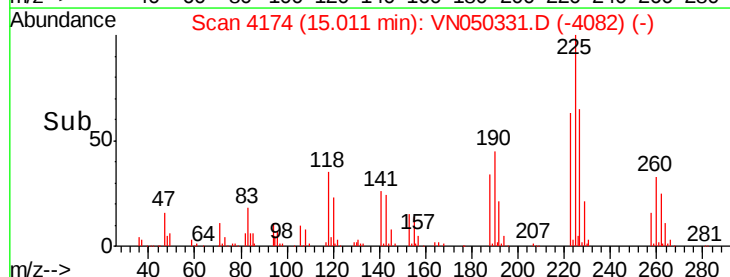


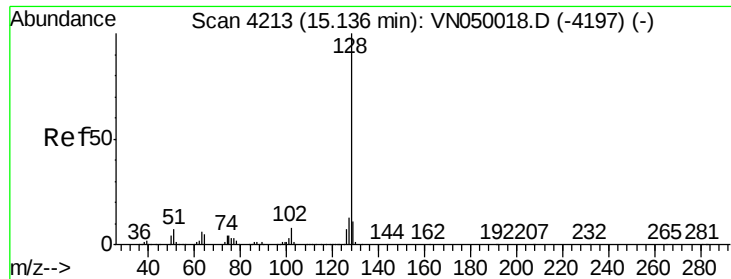
#94
 Hexachlorobutadiene
 Concen: 19.62 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050331.D
 Acq: 3 Aug 2018 23:41

Tgt Ion:	225	Resp:	93602
Ion Ratio	Lower	Upper	
225	100		
223	62.4	31.4	94.2
227	65.4	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





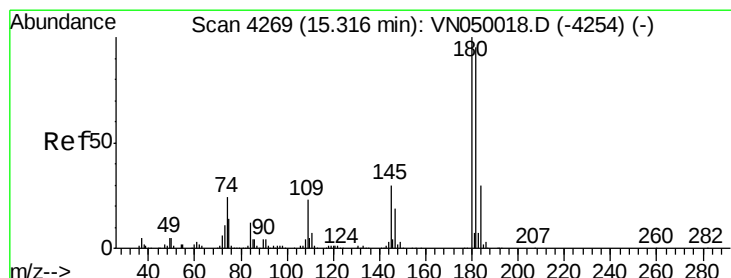
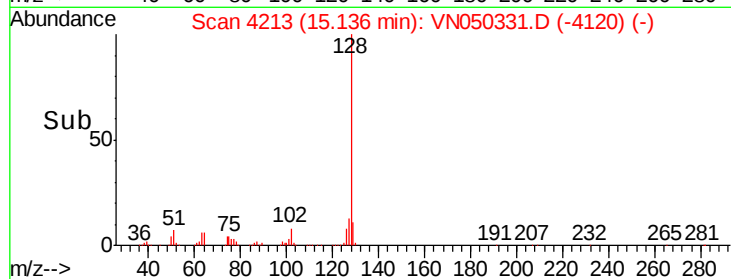
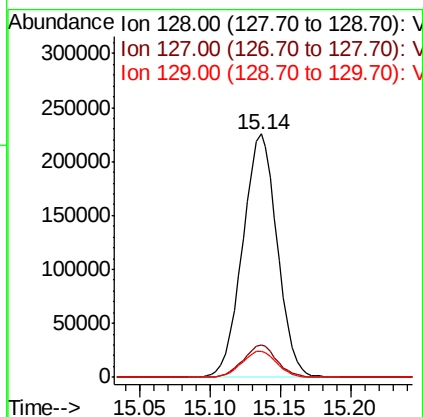
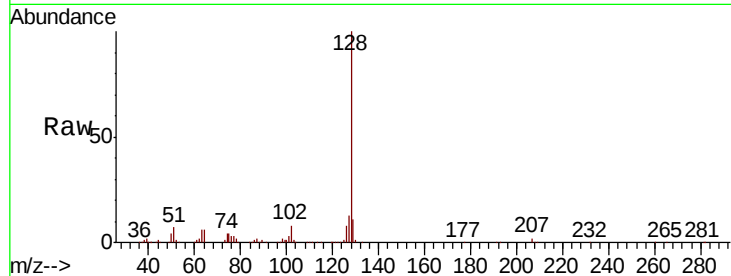
#95
Naphthalene
Concen: 22.47 ug/l
RT: 15.14 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Instrument :
MSVOA_N
ClientSampleId :
VN0803WBS03

Tot Ion	Ratio	Resp	Lower	Upper
128	100	387066		
127	13.0		10.4	15.6
129	10.8		8.8	13.2

Manual Integrations
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MMDadoda
8/6/2018 11:37:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 22.05 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. -0.00 min
Lab File: VN050331.D
Acq: 3 Aug 2018 23:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	167176		
182	96.5		48.1	144.4
145	31.0		15.3	45.9

