

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080718\
 Data File : VN050437.D
 Acq On : 7 Aug 2018 17:30
 Operator : MD\SY
 Sample : VN0807WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/8/2018 10:47:58 AM

Quant Time: Aug 08 07:03:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 05:22:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	755935	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1151107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1038978	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	519718	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	490374	48.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.10%	
35) Dibromofluoromethane	7.59	113	443088	47.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.94%	
50) Toluene-d8	10.09	98	1660002	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	
62) 4-Bromofluorobenzene	12.40	95	562660	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	146543	17.46	ug/l	99
3) Chloromethane	2.06	50	194367	18.69	ug/l	100
4) Vinyl Chloride	2.18	62	208412	19.19	ug/l	98
5) Bromomethane	2.56	94	124819	23.79	ug/l	99
6) Chloroethane	2.70	64	127972	19.12	ug/l	100
7) Trichlorofluoromethane	3.01	101	267802	19.09	ug/l	98
8) Diethyl Ether	3.41	74	105953	20.60	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.76	101	160343	18.50	ug/l	98
10) Methyl Iodide	3.95	142	84733	22.18	ug/l	96
11) Tert butyl alcohol	4.80	59	72789	89.71	ug/l	98
12) 1,1-Dichloroethene	3.73	96	163623	20.02	ug/l	96
13) Acrolein	3.61	56	84692	90.43	ug/l	97
14) Allyl chloride	4.32	41	253099	19.28	ug/l	96
15) Acrylonitrile	5.00	53	312185	91.86	ug/l	99
16) Acetone	3.82	43	280202	92.80	ug/l	100
17) Carbon Disulfide	4.05	76	466567	17.56	ug/l	100
18) Methyl Acetate	4.33	43	155404	19.74	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	486898	20.99	ug/l	99
20) Methylene Chloride	4.55	84	184472	19.07	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	173836	19.66	ug/l	98
22) Diisopropyl ether	5.96	45	551919	20.59	ug/l	99
23) Vinyl Acetate	5.90	43	1895823	99.11	ug/l	99
24) 1,1-Dichloroethane	5.85	63	326822	19.87	ug/l	99
25) 2-Butanone	6.84	43	459811	91.87	ug/l	99
26) 2,2-Dichloropropane	6.83	77	222746	16.42	ug/l	97
27) cis-1,2-Dichloroethene	6.83	96	199908	20.39	ug/l	96
28) Bromochloromethane	7.20	49	132539	17.50	ug/l	98
29) Tetrahydrofuran	7.22	42	247647	92.44	ug/l	98
30) Chloroform	7.37	83	326358	19.84	ug/l	98
31) Cyclohexane	7.65	56	277965	18.81	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	279107	19.76	ug/l	99
36) 1,1-Dichloropropene	7.80	75	249956	19.76	ug/l	98
37) Ethyl Acetate	6.94	43	167912	18.44	ug/l	99
38) Carbon Tetrachloride	7.78	117	241759	18.32	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	238334	17.26	ug/l	99
40) Benzene	8.04	78	747536	19.22	ug/l	99
41) Methacrylonitrile	7.19	41	91873m	18.97	ug/l	
42) 1,2-Dichloroethane	8.13	62	235230	19.06	ug/l	99
43) Isopropyl Acetate	8.17	43	304944	19.39	ug/l	96
44) Trichloroethene	8.84	130	201037	19.24	ug/l	100
45) 1,2-Dichloropropane	9.12	63	195484	19.12	ug/l	99
46) Dibromomethane	9.21	93	117413	18.60	ug/l	98
47) Bromodichloromethane	9.40	83	242106	18.52	ug/l	99
48) Methyl methacrylate	9.20	41	143959	18.27	ug/l	99
49) 1,4-Dioxane	9.20	88	40547	333.79	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	1048541	92.60	ug/l	98
52) Toluene	10.16	92	463943	19.86	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	243416	18.54	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	280384	19.14	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	171610	18.82	ug/l	99
56) Ethyl methacrylate	10.43	69	230213	18.94	ug/l	95
57) 1,3-Dichloropropane	10.71	76	286328	19.13	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	503873	88.69	ug/l	99
59) 2-Hexanone	10.75	43	702493	88.89	ug/l	98
60) Dibromochloromethane	10.90	129	181637	18.08	ug/l	97
61) 1,2-Dibromoethane	11.01	107	170196	18.94	ug/l	98
64) Tetrachloroethene	10.63	164	192652	19.84	ug/l	100
65) Chlorobenzene	11.44	112	502443	19.29	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	182696	19.27	ug/l	99
67) Ethyl Benzene	11.51	91	860559	20.44	ug/l	100
68) m/p-Xylenes	11.62	106	657374	41.01	ug/l	99
69) o-Xylene	11.95	106	323523	20.95	ug/l	99
70) Styrene	11.97	104	517939	20.63	ug/l	99
71) Bromoform	12.13	173	130048	18.77	ug/l #	100
73) Isopropylbenzene	12.25	105	845294	21.67	ug/l	100
74) N-amyl acetate	12.07	43	263913	20.87	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	211694	18.81	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	183382m	19.49	ug/l	
77) Bromobenzene	12.53	156	389551	37.27	ug/l	48
78) n-propylbenzene	12.59	91	923588	20.91	ug/l	99
79) 2-Chlorotoluene	12.68	91	567513	20.81	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	700211	22.11	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	53226	19.88	ug/l	98
82) 4-Chlorotoluene	12.77	91	572515	21.05	ug/l	99
83) tert-Butylbenzene	12.99	119	575563	20.83	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	684511	21.34	ug/l	100
85) sec-Butylbenzene	13.17	105	739345	20.08	ug/l	100
86) p-Isopropyltoluene	13.29	119	647349	20.51	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	370187	19.89	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	359474	19.34	ug/l	98
89) n-Butylbenzene	13.62	91	533281	19.85	ug/l	99
90) Hexachloroethane	13.88	117	102193	18.21	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	364842	19.55	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	35059	18.34	ug/l	89

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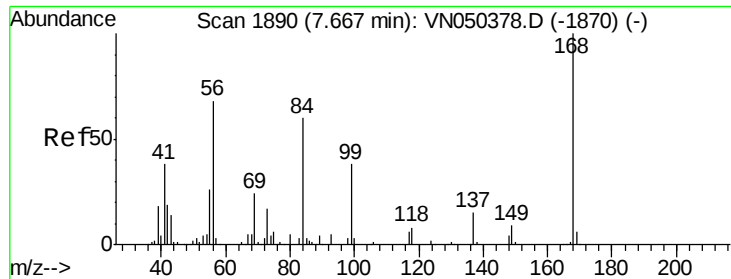
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	211114	22.21	ug/l	99
94) Hexachlorobutadiene	15.01	225	110514	20.31	ug/l	98
95) Naphthalene	15.14	128	589756	25.36	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	209581	21.81	ug/l	98

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



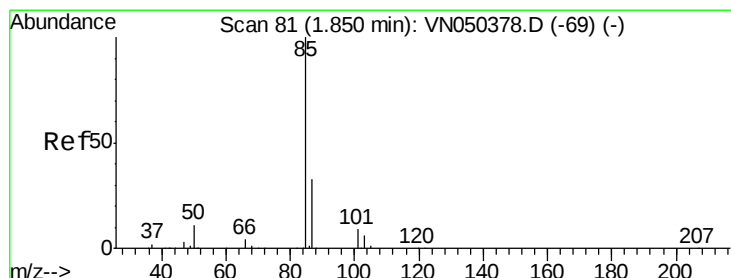
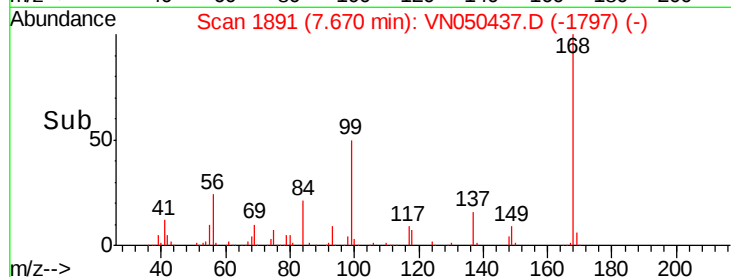
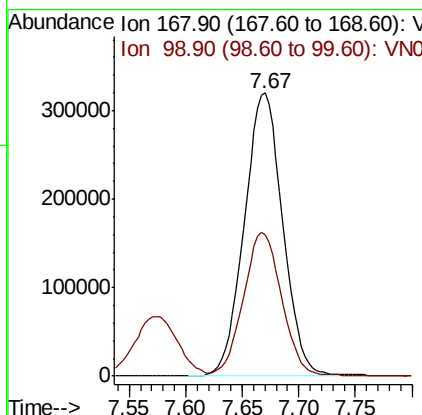
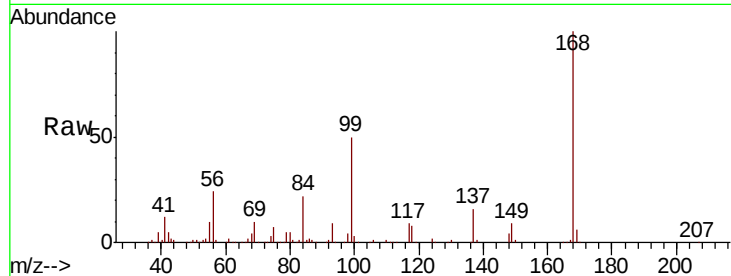
#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampled :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.7	40.0	60.0

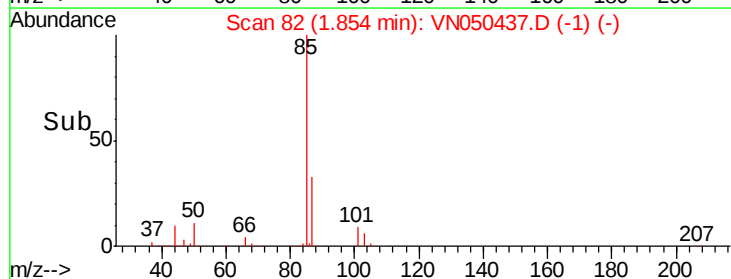
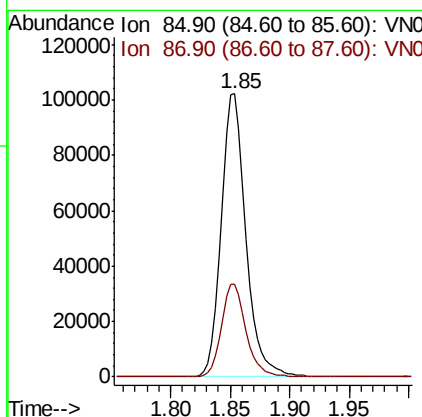
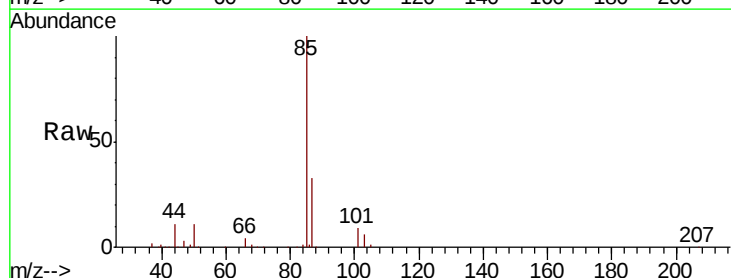
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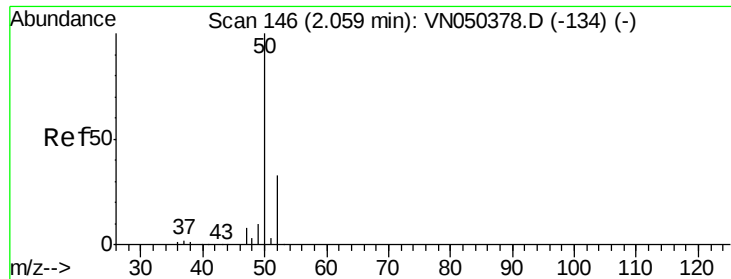
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#2
Dichlorodifluoromethane
Concen: 17.46 ug/l
RT: 1.85 min Scan# 82
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.9	16.1	48.3





#3

Chloromethane

Concen: 18.69 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion: 50 Resp: 194367

Ion Ratio Lower Upper

50 100

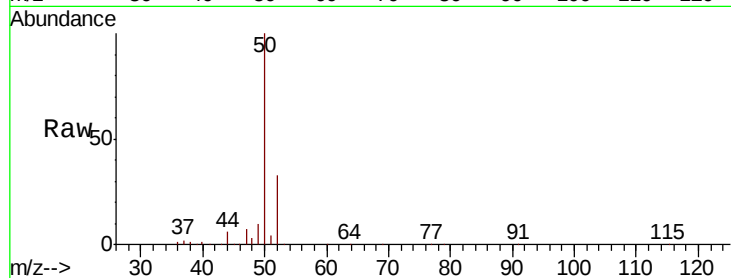
52 32.6 25.9 38.9

Manual Integrations

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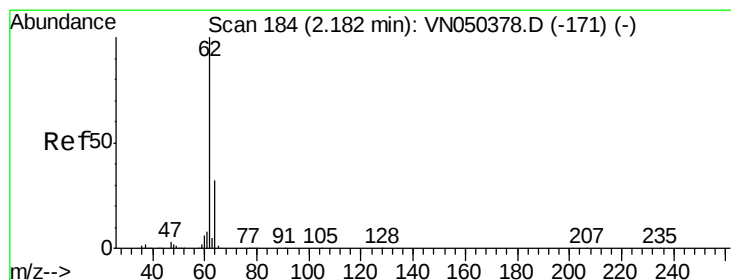
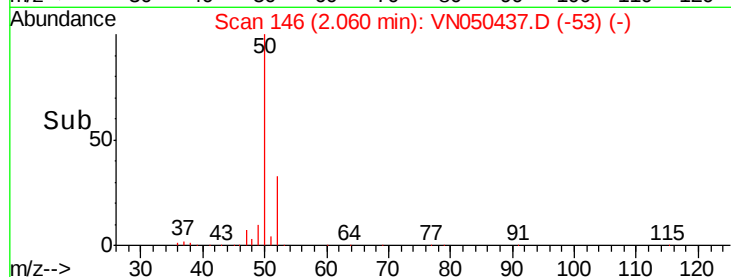
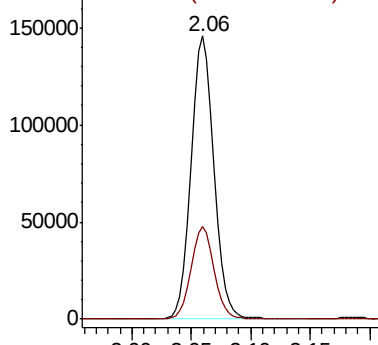
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Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 19.19 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050437.D

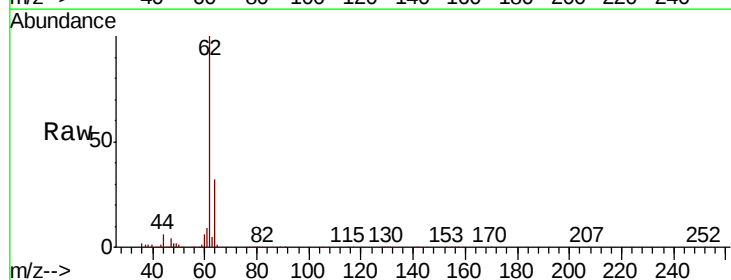
Acq: 7 Aug 2018 17:30

Tgt Ion: 62 Resp: 208412

Ion Ratio Lower Upper

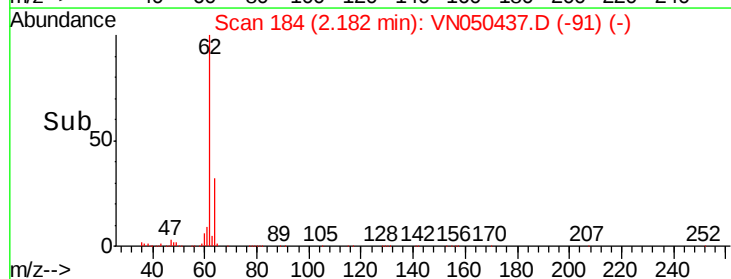
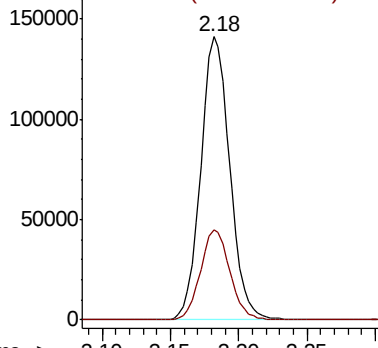
62 100

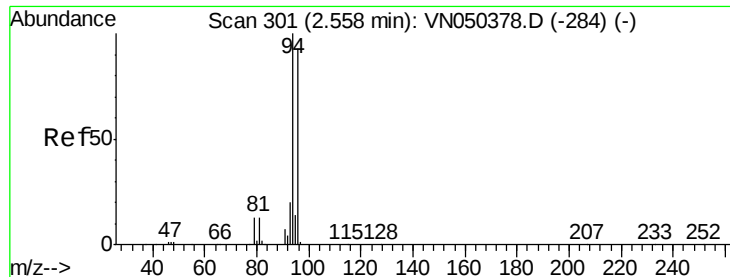
64 31.8 24.7 37.1



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 23.79 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

VN0807WBSD01

Tot Ion: 94 Resp: 124819

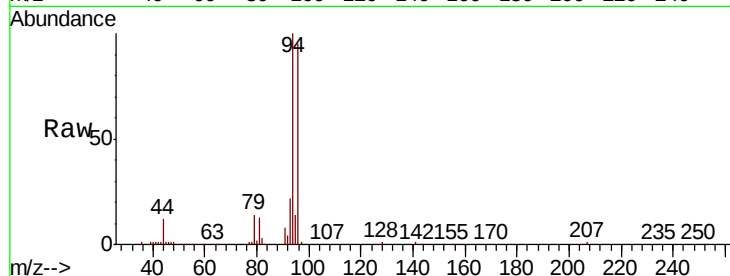
Ion Ratio Lower Upper

94 100

96 94.5 74.6 112.0

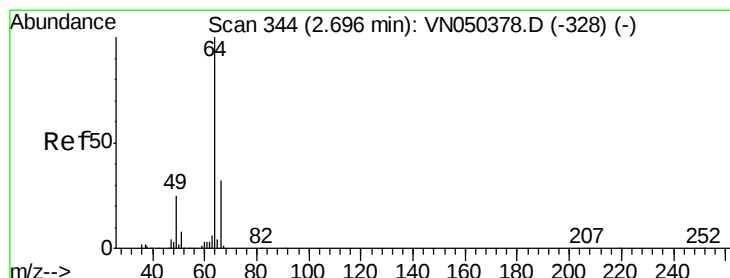
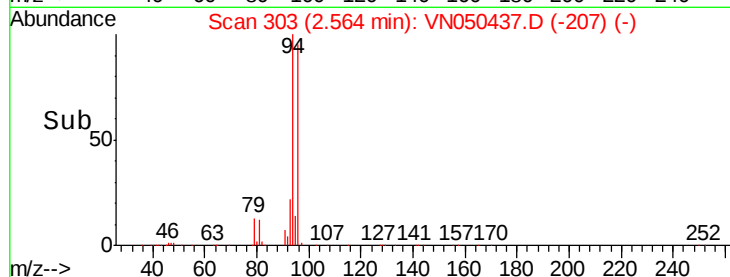
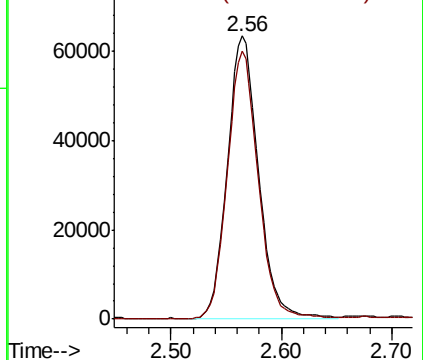
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Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



#6

Chloroethane

Concen: 19.12 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050437.D

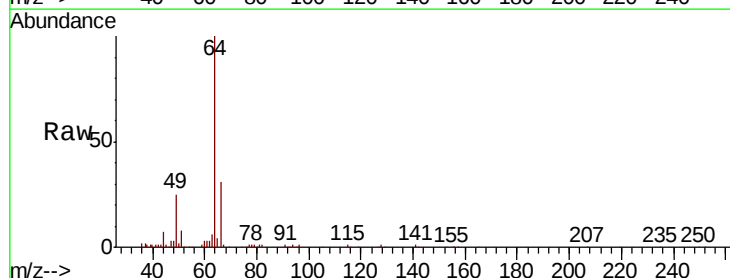
Acq: 7 Aug 2018 17:30

Tgt Ion: 64 Resp: 127972

Ion Ratio Lower Upper

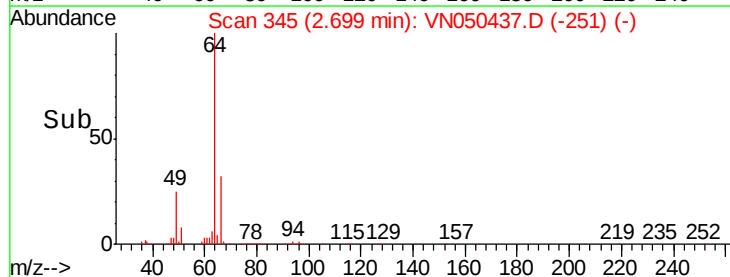
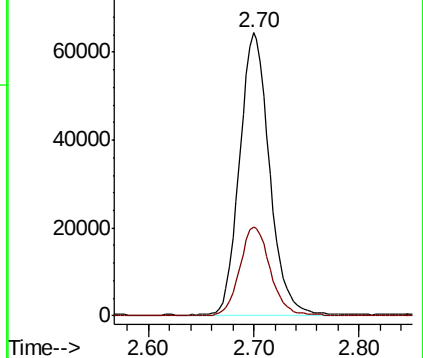
64 100

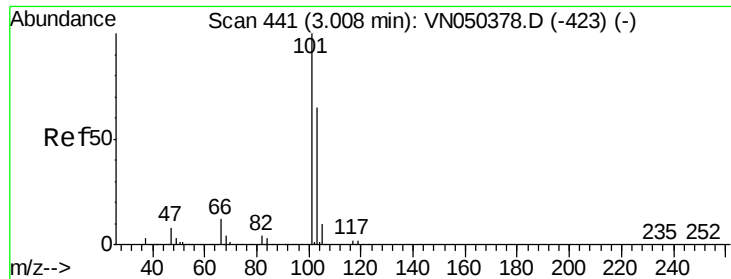
66 31.4 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VNC

Ion 65.90 (65.60 to 66.60): VNC





#7

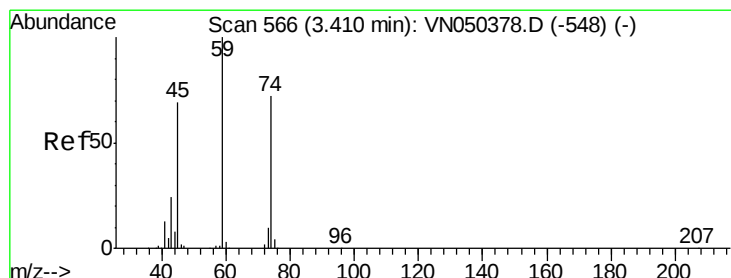
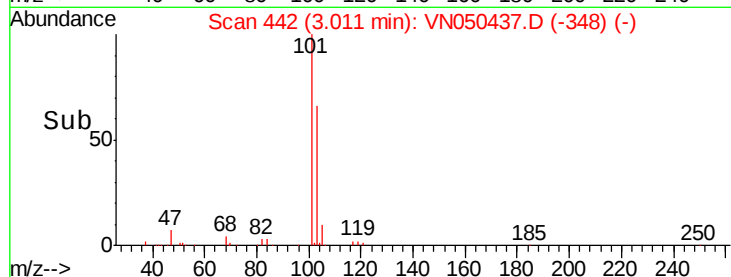
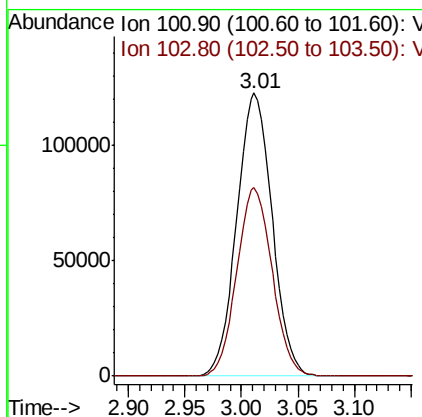
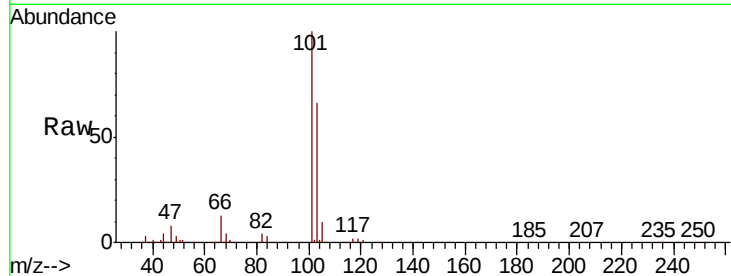
Trichlorofluoromethane
 Concen: 19.09 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	51.7	77.5

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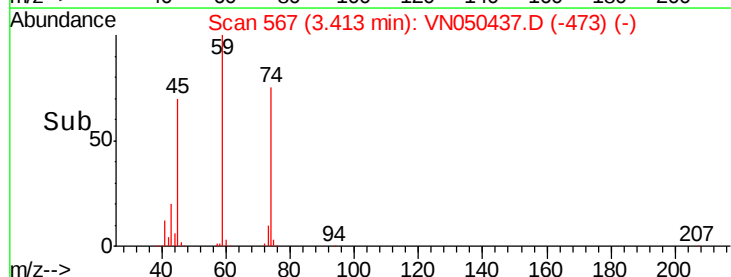
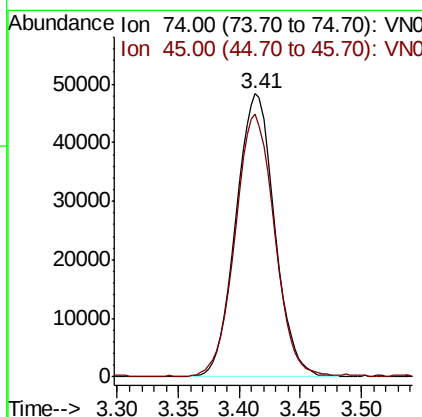
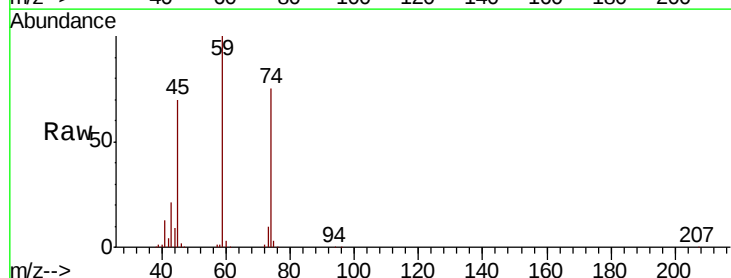
MMDadoda
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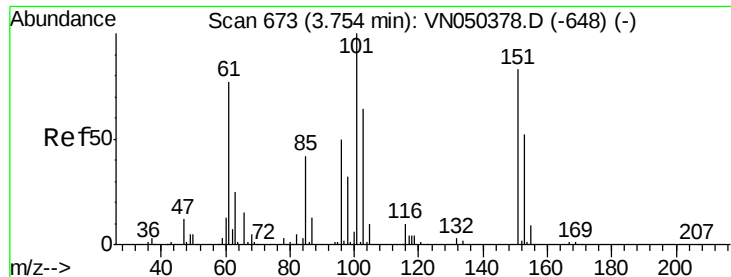


#8

Diethyl Ether
 Concen: 20.60 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.8	47.6	142.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.50 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

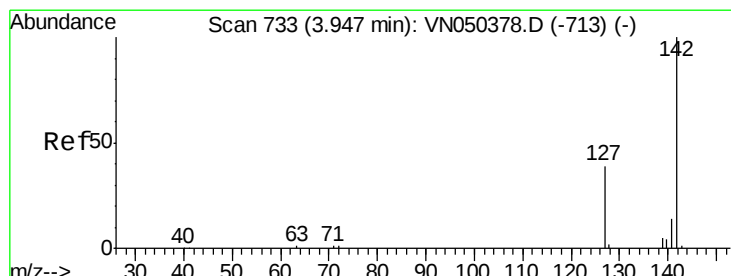
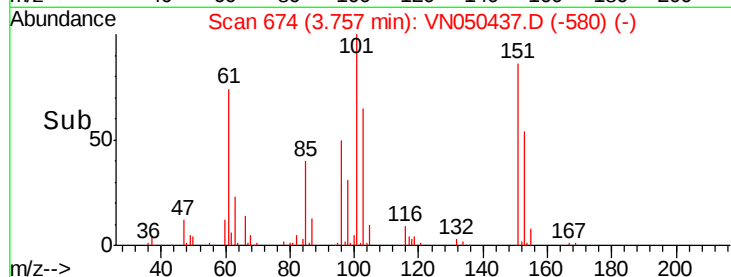
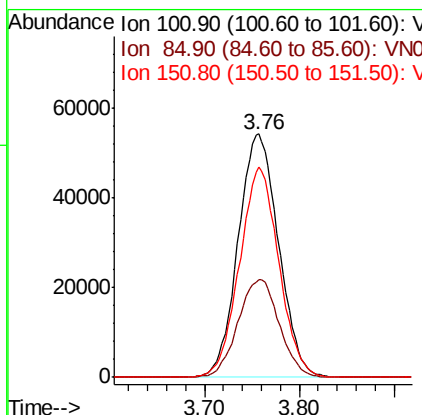
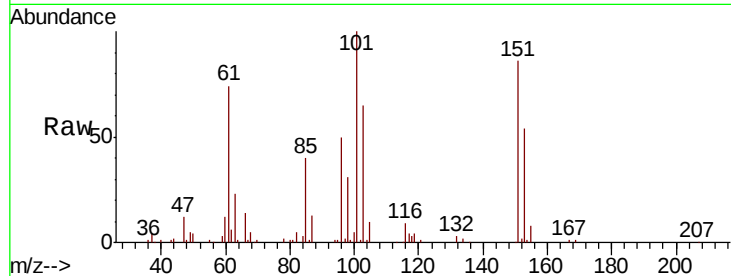
ClientSampled :

VN0807WBSD01

Tot Ion:	101	Resp:	160343
Ion Ratio	Lower	Upper	
101	100		
85	41.1	34.2	51.2
151	84.1	66.3	99.5

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#10

Methyl Iodide

Concen: 22.18 ug/l

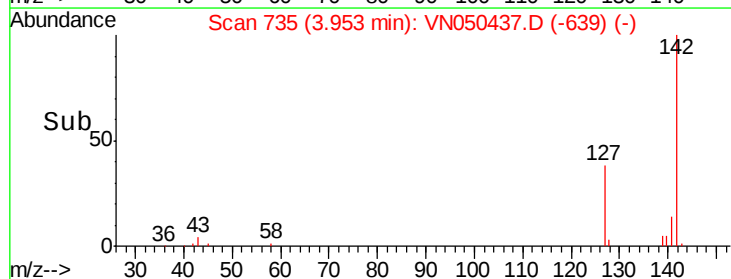
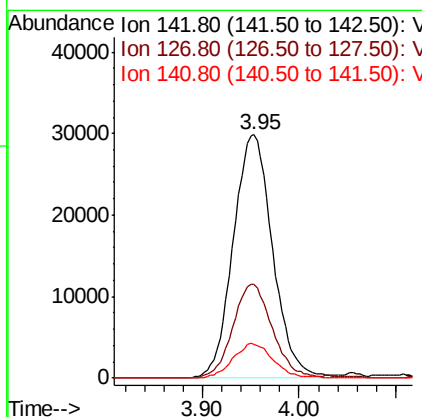
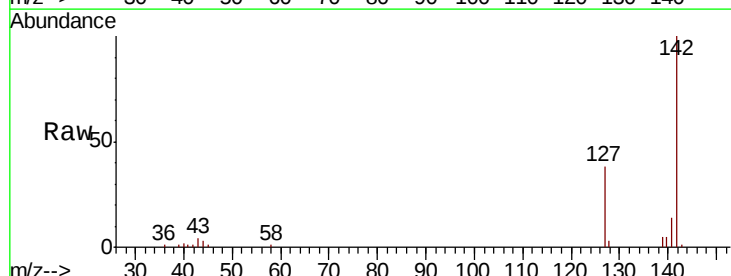
RT: 3.95 min Scan# 735

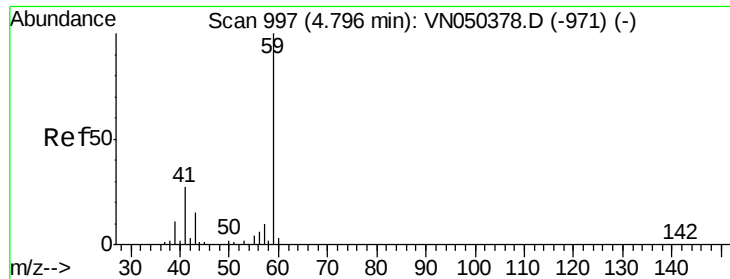
Delta R.T. 0.01 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion:	142	Resp:	84733
Ion Ratio	Lower	Upper	
142	100		
127	38.4	33.4	50.2
141	14.2	11.6	17.4





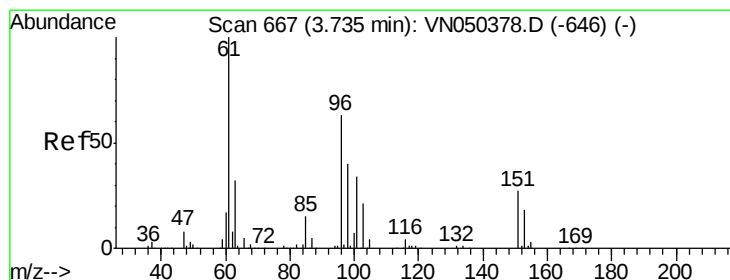
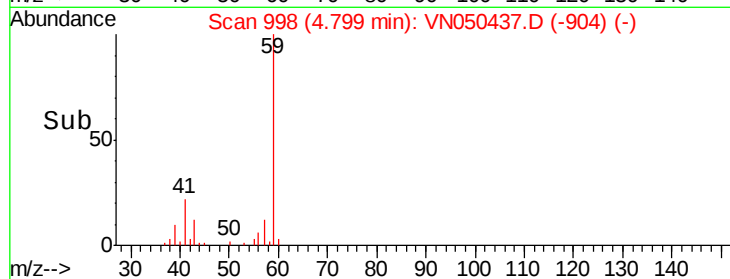
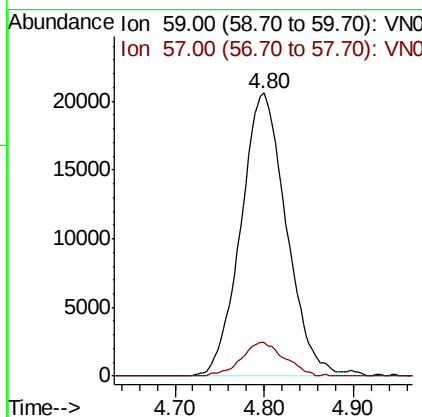
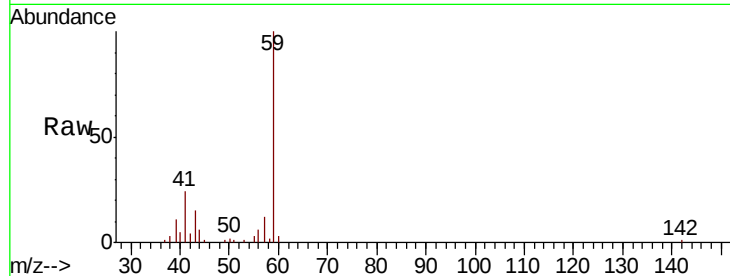
#11
Tert butyl alcohol
Concen: 89.71 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	59	Resp	72789
Ion Ratio	100	Lower	Upper
57	11.3	8.5	12.7

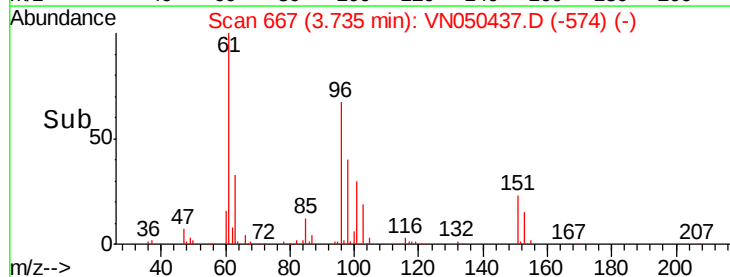
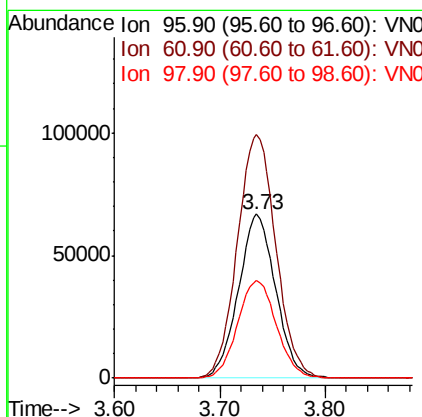
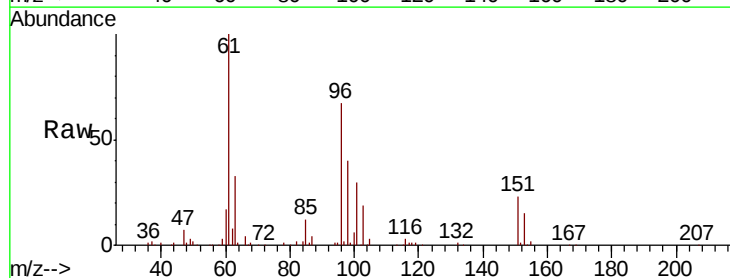
Manual Integrations
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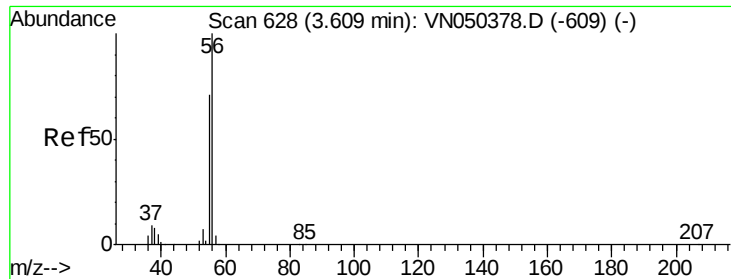
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.02 ug/l
RT: 3.73 min Scan# 667
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	96	Resp	163623
Ion Ratio	100	Lower	Upper
61	148.7	124.4	186.6
98	59.5	48.3	72.5





#13

Acrolein

Concen: 90.43 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

VN0807WBSD01

Tot Ion: 56 Resp: 84692

Ion Ratio Lower Upper

56 100

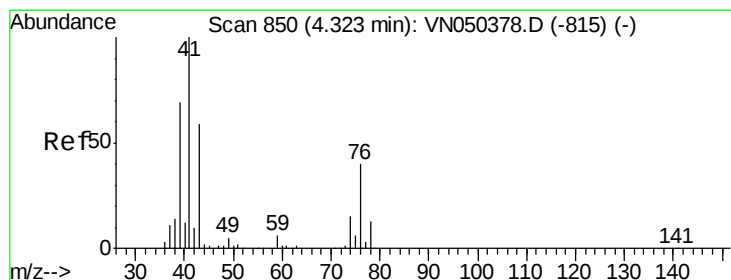
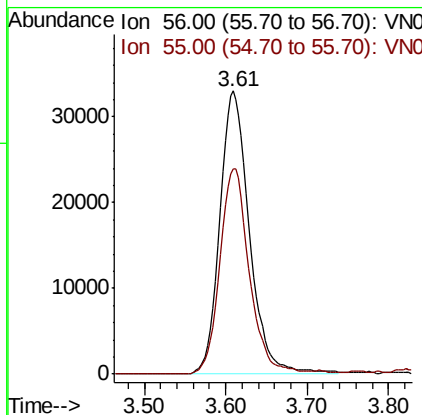
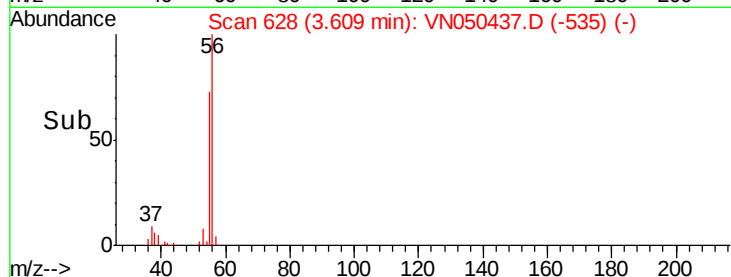
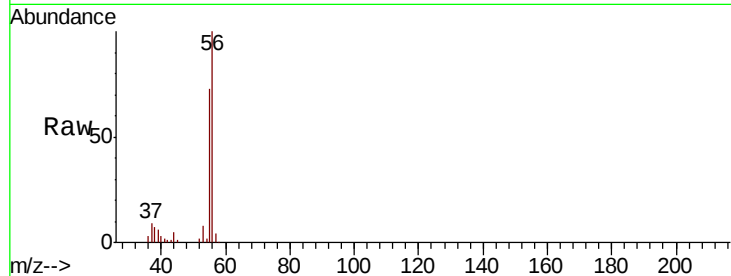
55 72.4 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 19.28 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

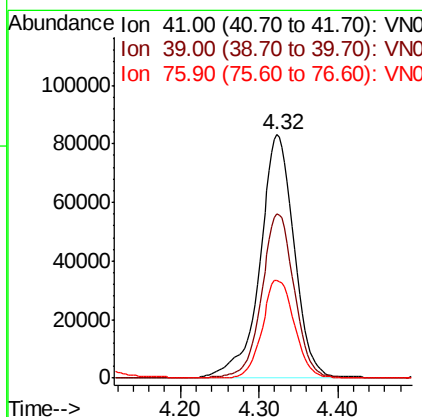
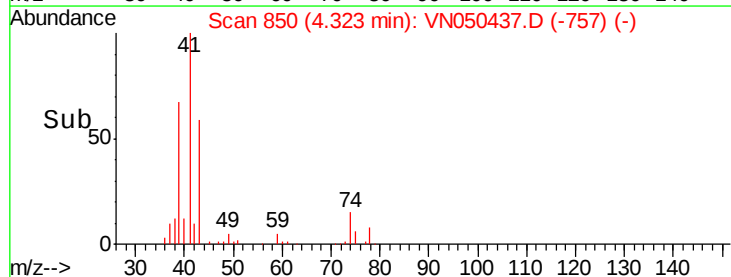
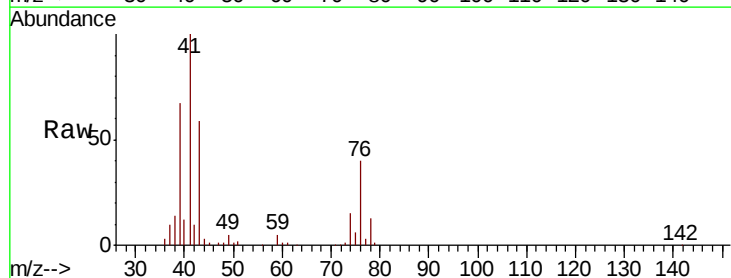
Tgt Ion: 41 Resp: 253099

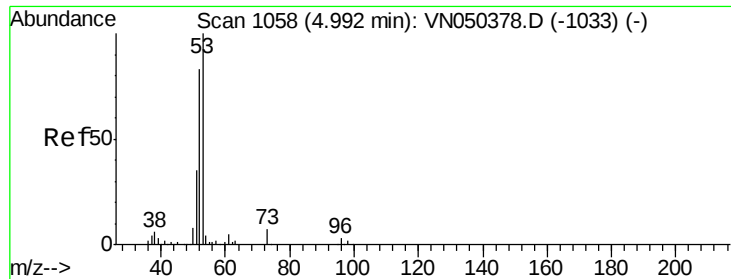
Ion Ratio Lower Upper

41 100

39 64.5 54.2 81.4

76 38.0 29.0 43.6





#15

Acrylonitrile

Concen: 91.86 ug/l

RT: 5.00 min Scan# 1059

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

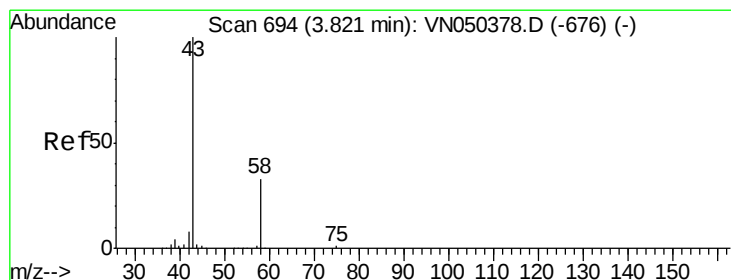
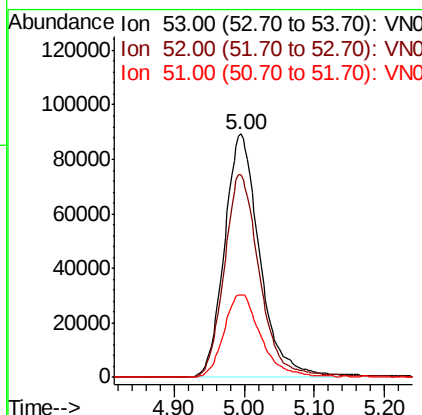
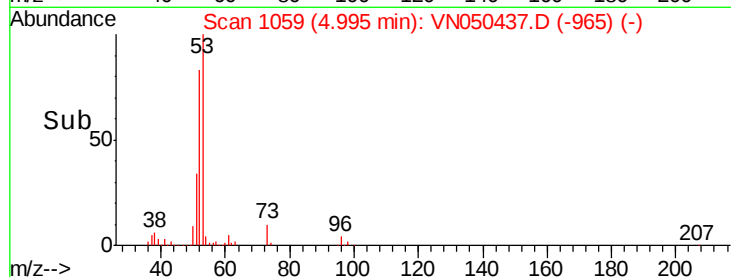
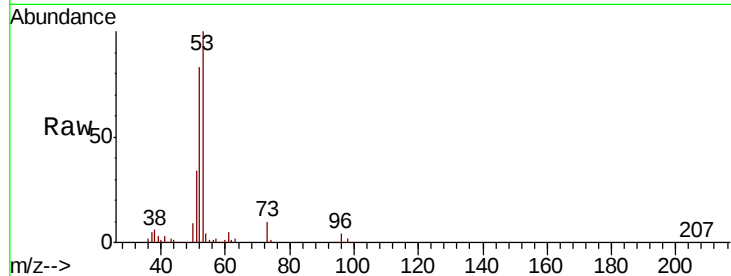
ClientSampleId :

VN0807WBSD01

Tot Ion:	53	Resp:	312185
Ion	Ratio	Lower	Upper
53	100		
52	83.7	66.2	99.2
51	35.4	29.3	43.9

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#16

Acetone

Concen: 92.80 ug/l

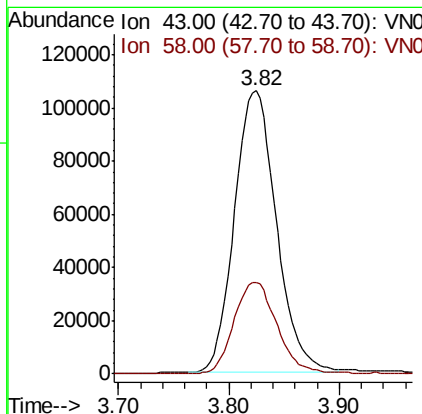
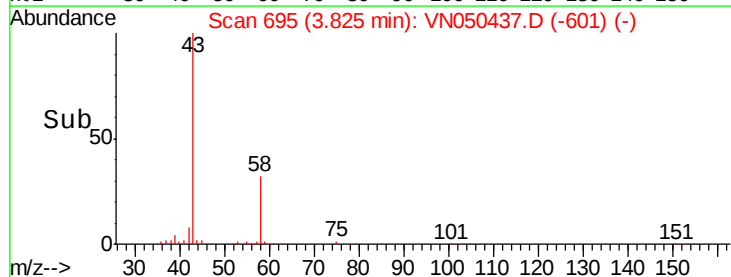
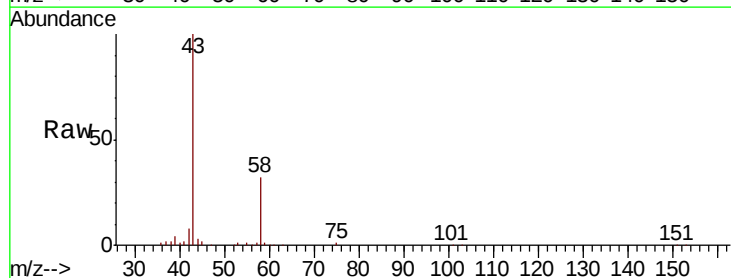
RT: 3.82 min Scan# 695

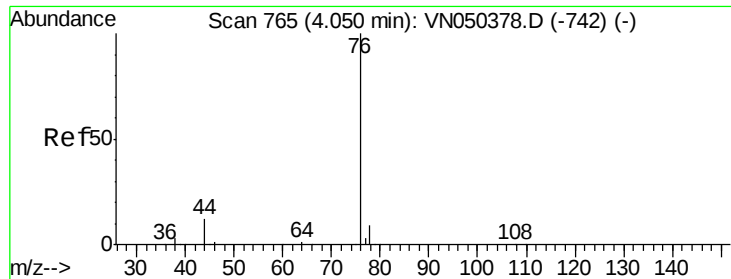
Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion:	43	Resp:	280202
Ion	Ratio	Lower	Upper
43	100		
58	32.6	25.8	38.8





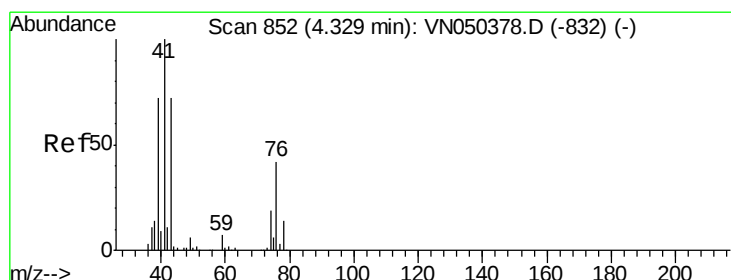
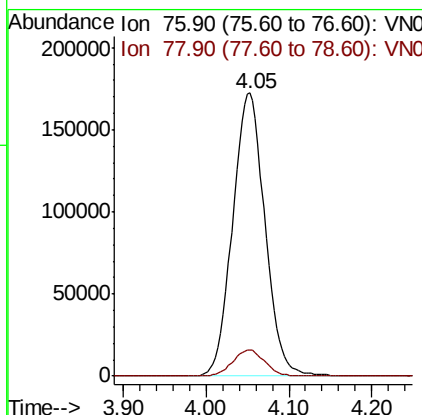
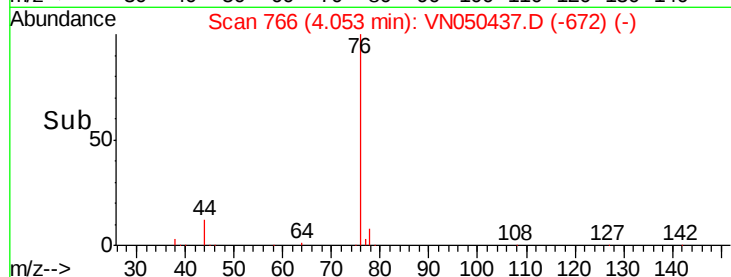
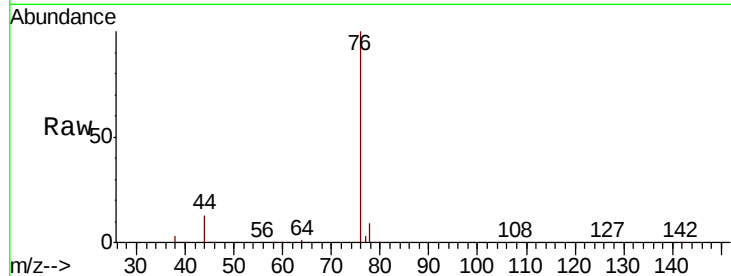
#17
Carbon Disulfide
Concen: 17.56 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.3	10.9

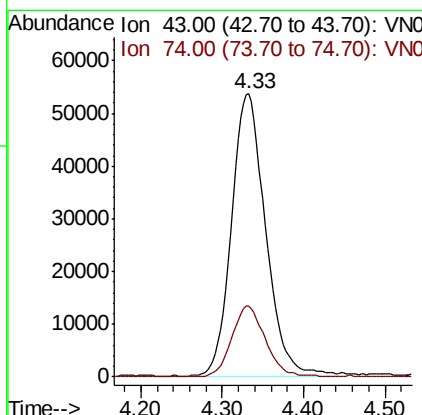
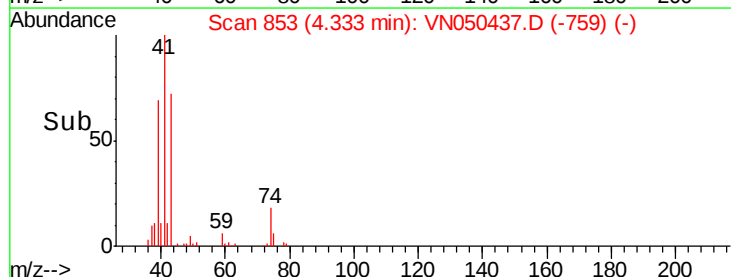
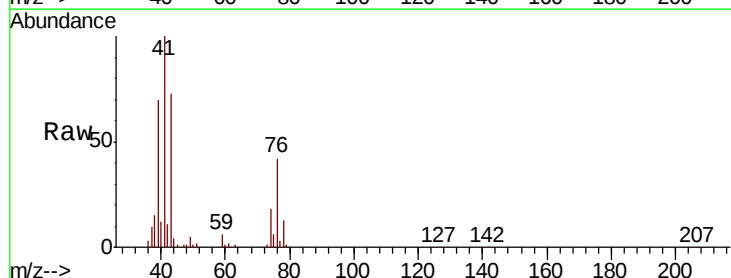
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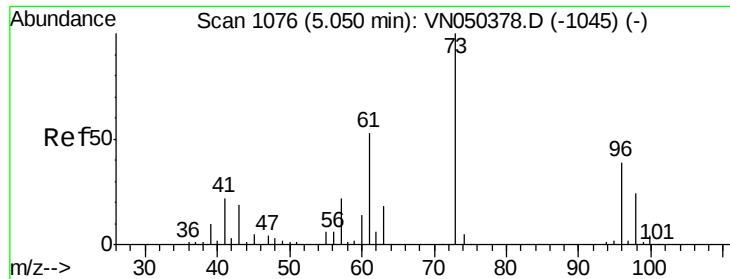
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#18
Methyl Acetate
Concen: 19.74 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	19.2	28.8





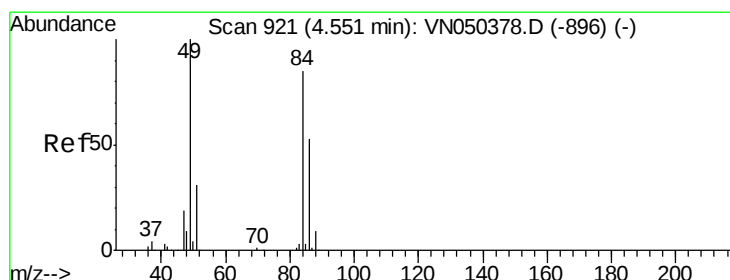
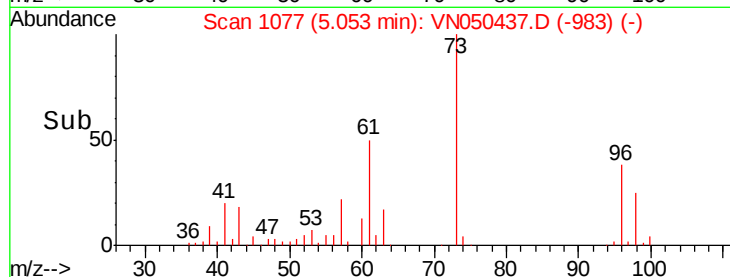
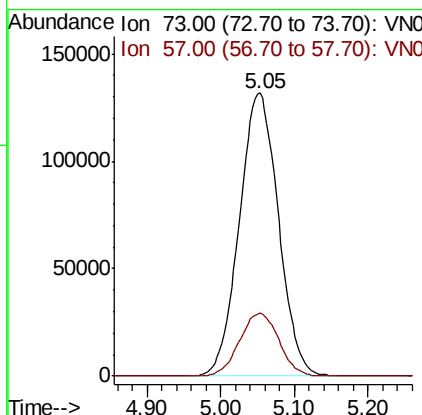
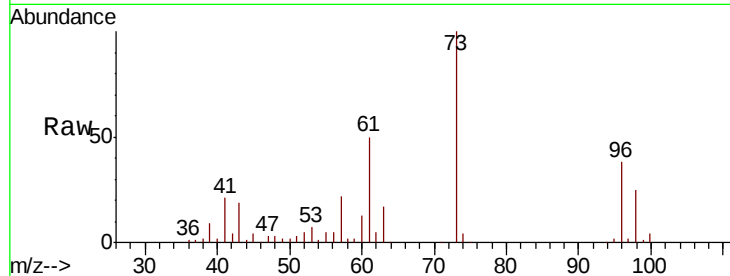
#19
Methyl tert-butyl Ether
Concen: 20.99 ug/l
RT: 5.05 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion: 73 Resp: 486898
Ion Ratio Lower Upper
73 100
57 22.2 18.0 27.0

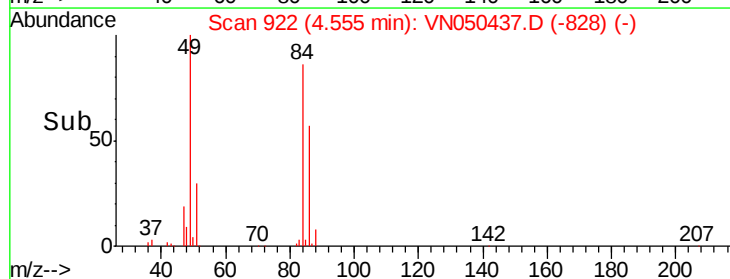
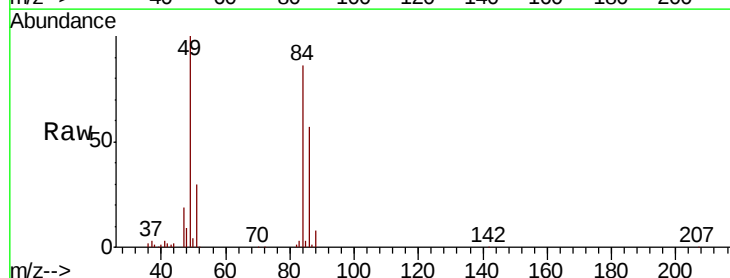
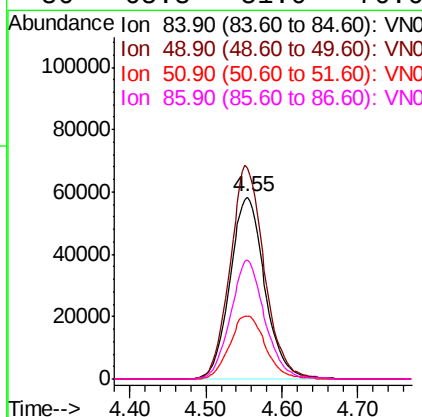
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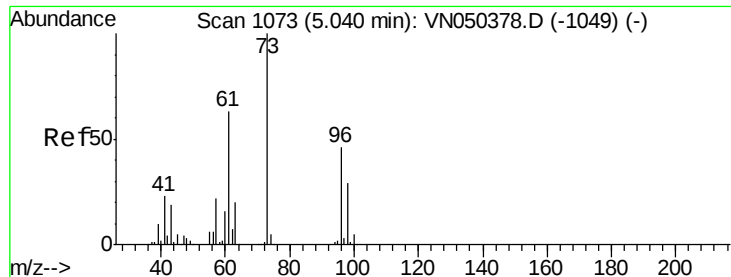
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#20
Methylene Chloride
Concen: 19.07 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 84 Resp: 184472
Ion Ratio Lower Upper
84 100
49 115.9 94.8 142.2
51 34.7 28.3 42.5
86 65.8 51.0 76.6





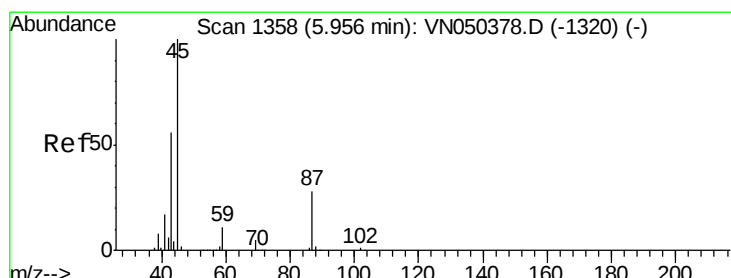
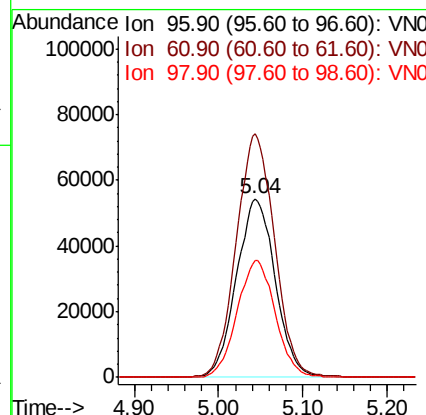
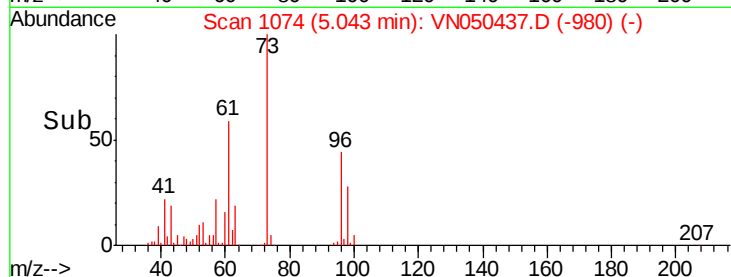
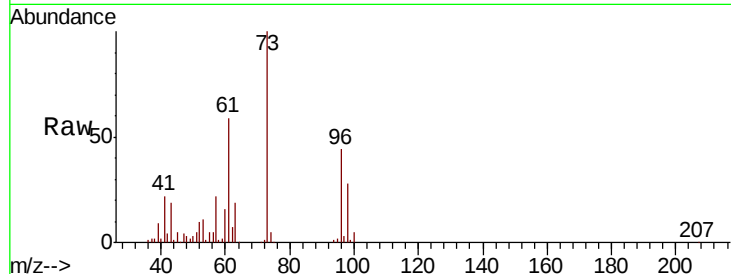
#21
trans-1,2-Dichloroethene
Concen: 19.66 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.9	110.7	166.1
98	65.1	51.6	77.4

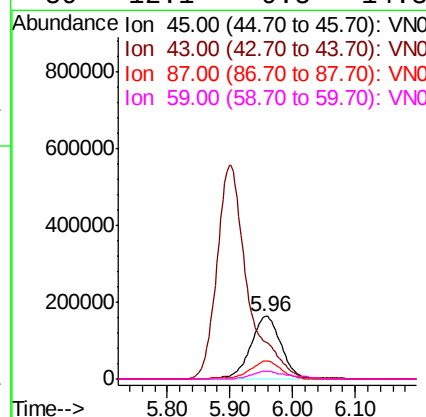
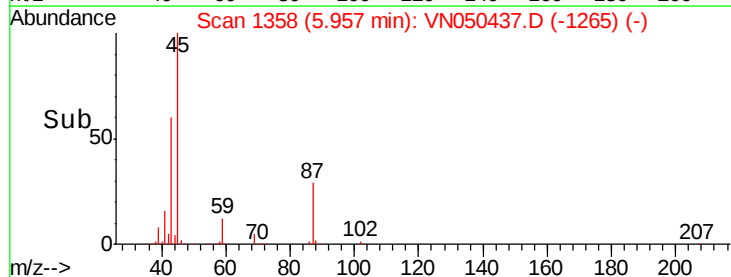
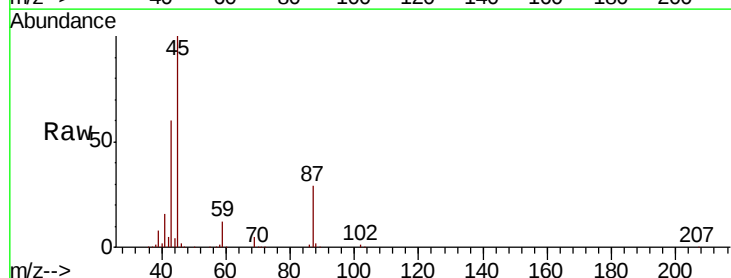
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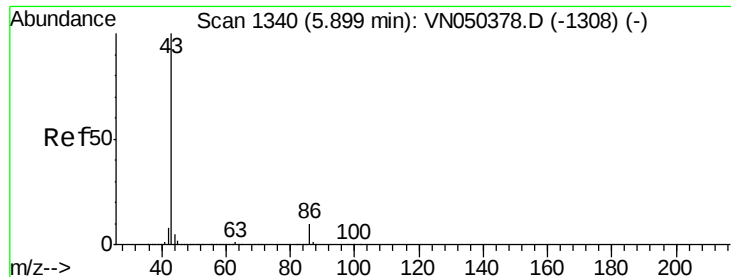
MMDadoda
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#22
Diisopropyl ether
Concen: 20.59 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.5	45.7	68.5
87	28.9	22.7	34.1
59	12.1	9.5	14.3





#23

Vinyl Acetate

Concen: 99.11 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion: 43 Resp: 1895823

Ion Ratio Lower Upper

43 100

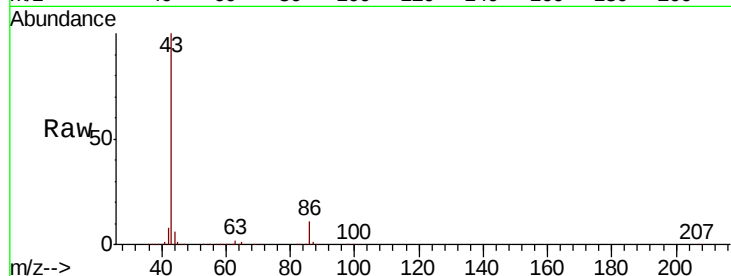
86 11.0 8.6 13.0

Manual Integrations

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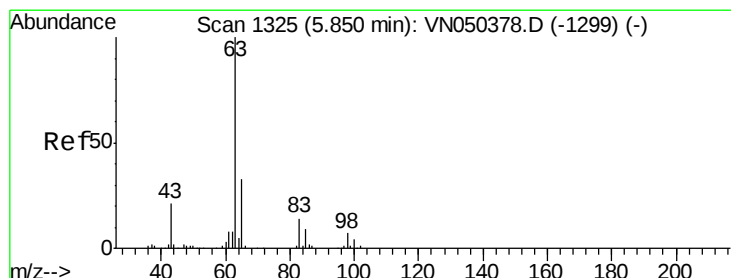
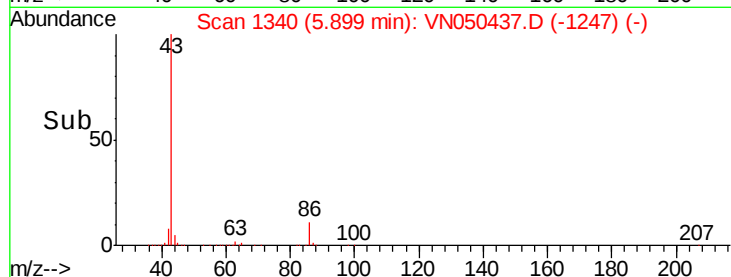
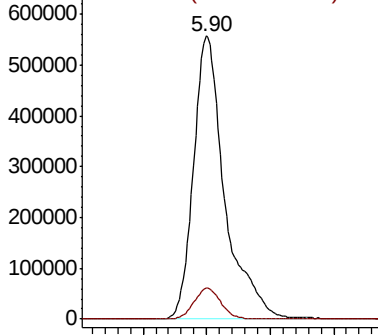
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.87 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

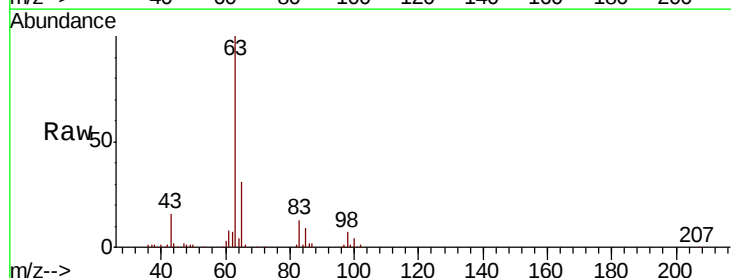
Tgt Ion: 63 Resp: 326822

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.8

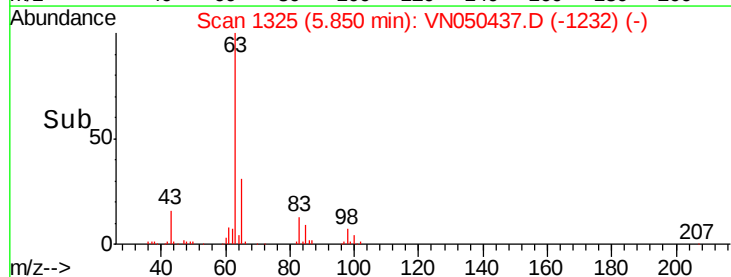
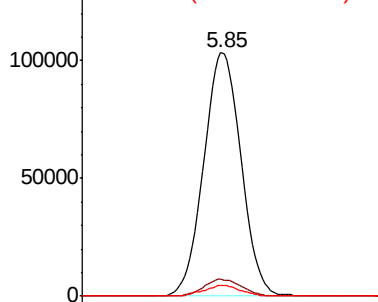
100 4.4 2.1 6.3

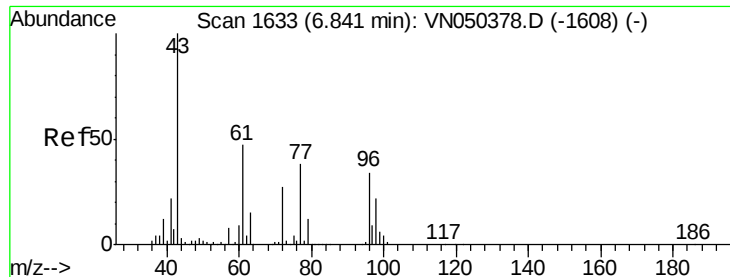


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 91.87 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

VN0807WBSD01

Tot Ion: 43 Resp: 459811

Ion Ratio Lower Upper

43 100

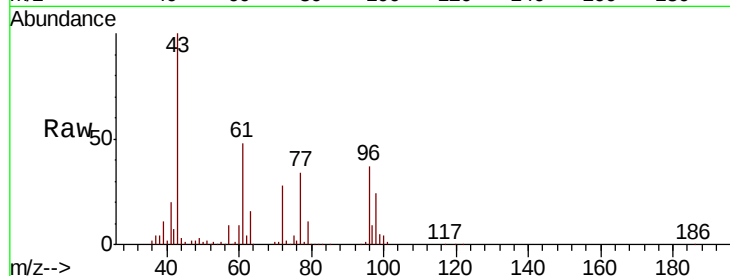
72 27.6 21.5 32.3

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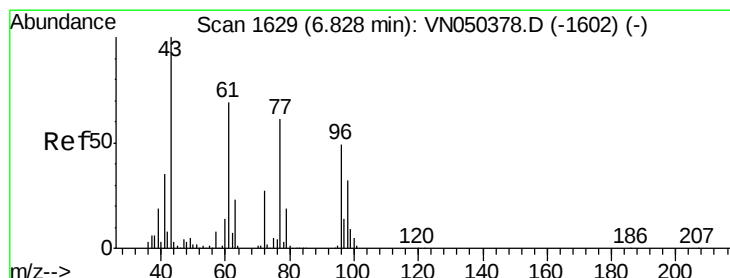
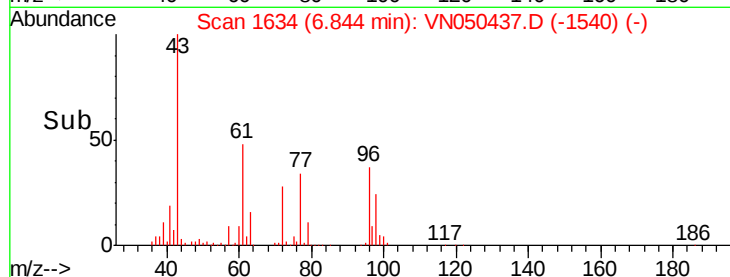
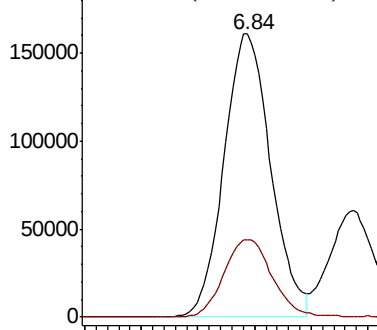
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 16.42 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050437.D

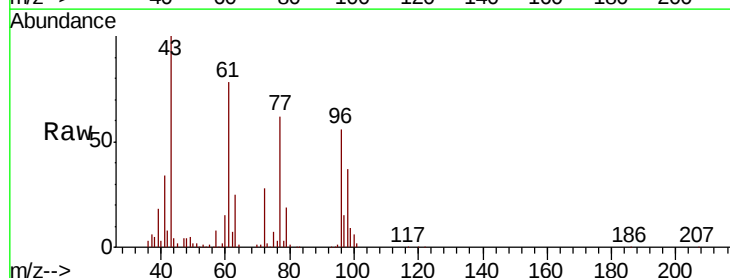
Acq: 7 Aug 2018 17:30

Tgt Ion: 77 Resp: 222746

Ion Ratio Lower Upper

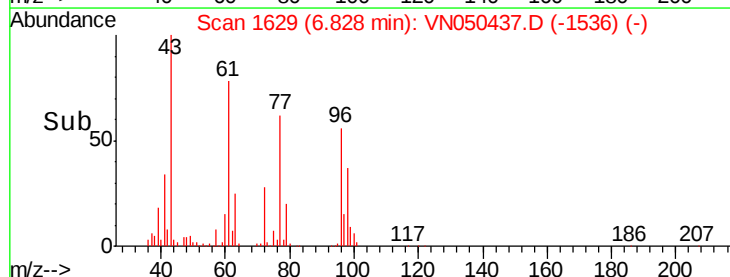
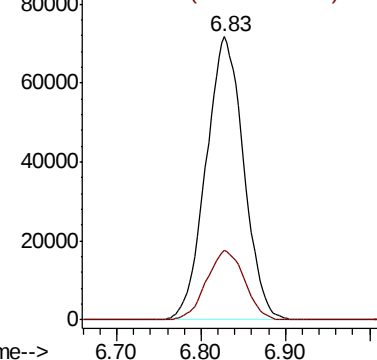
77 100

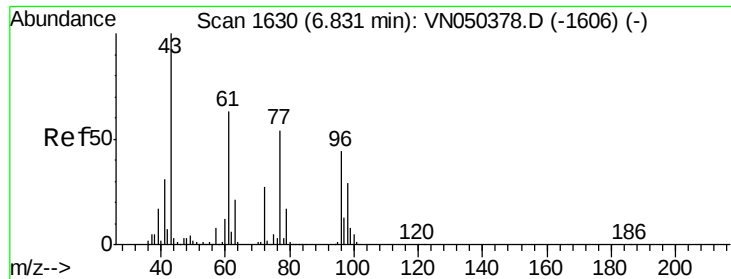
97 24.7 11.8 35.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 20.39 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

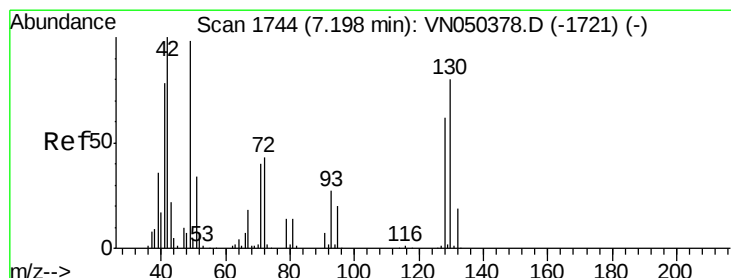
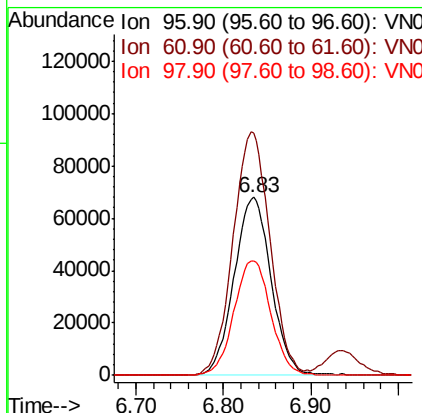
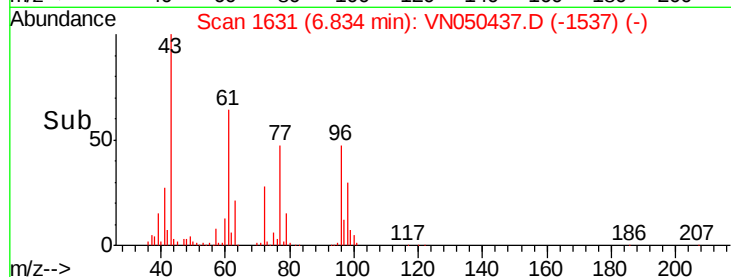
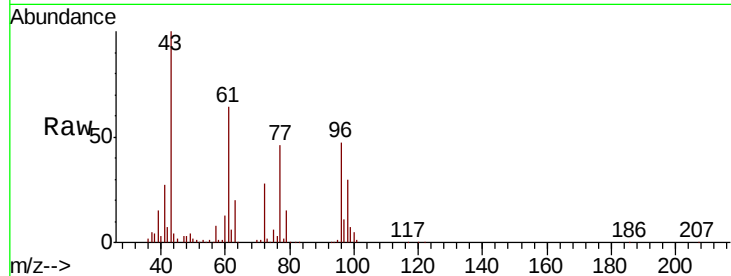
ClientSampleId :

VN0807WBSD01

Tot Ion:	96	Resp:	199908
Ion	Ratio	Lower	Upper
96	100		
61	136.5	0.0	285.0
98	64.1	0.0	129.2

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#28

Bromochloromethane

Concen: 17.50 ug/l

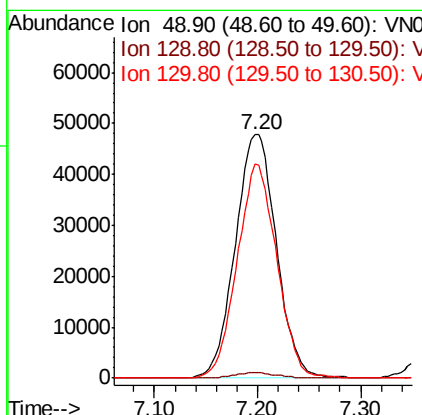
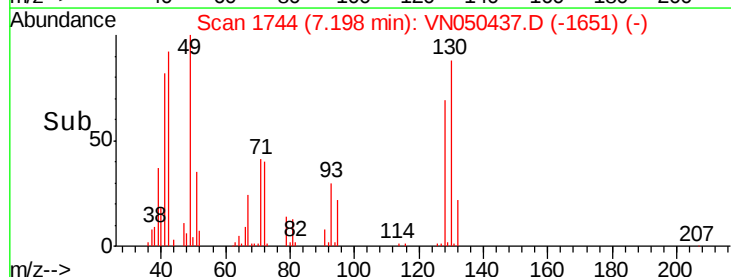
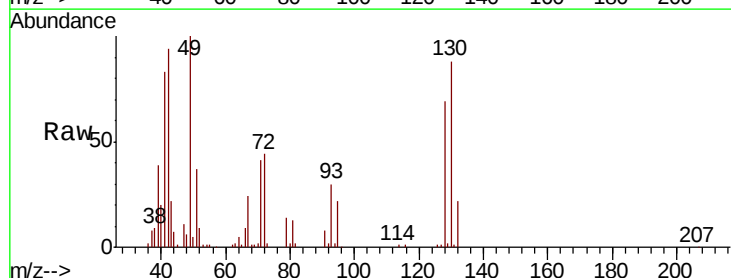
RT: 7.20 min Scan# 1744

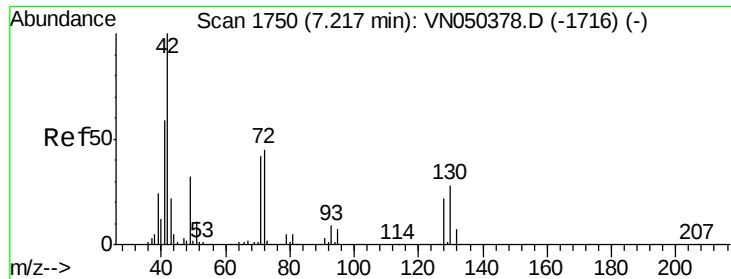
Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion:	49	Resp:	132539
Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.0
130	84.7	66.3	99.5





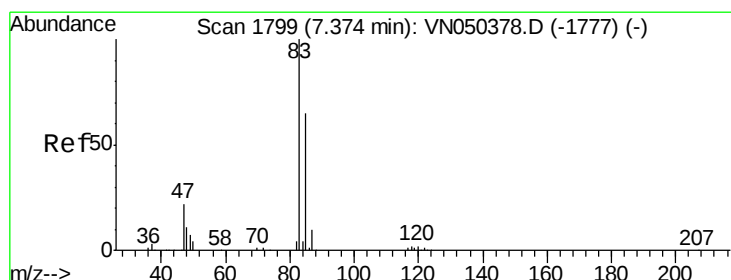
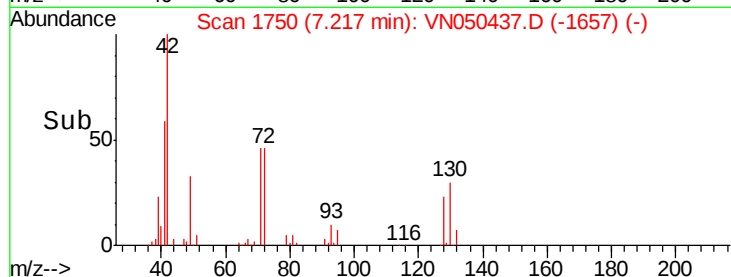
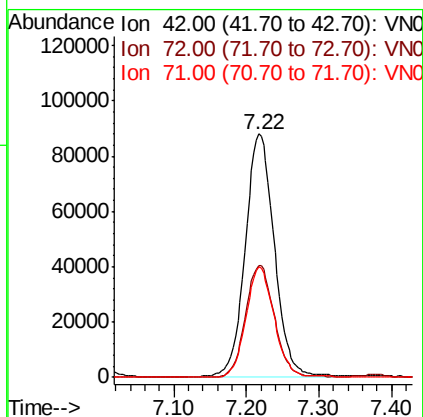
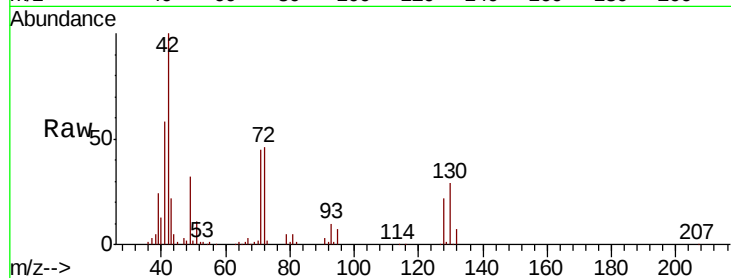
#29
Tetrahydrofuran
Concen: 92.44 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.4	35.9	53.9
71	43.7	33.7	50.5

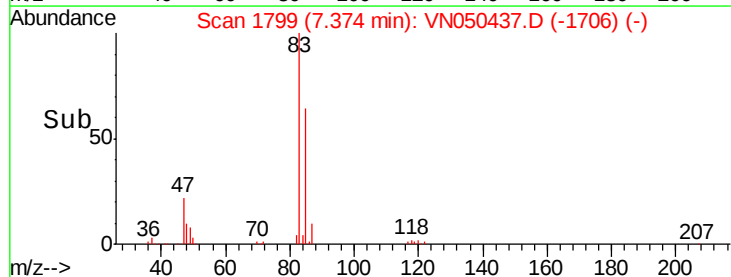
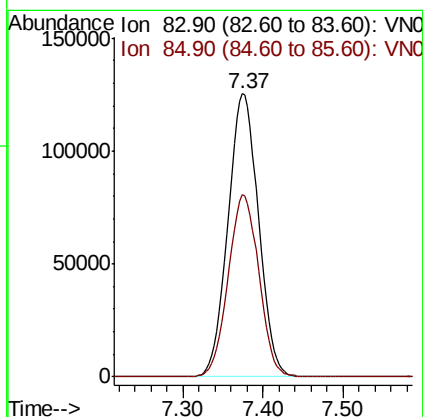
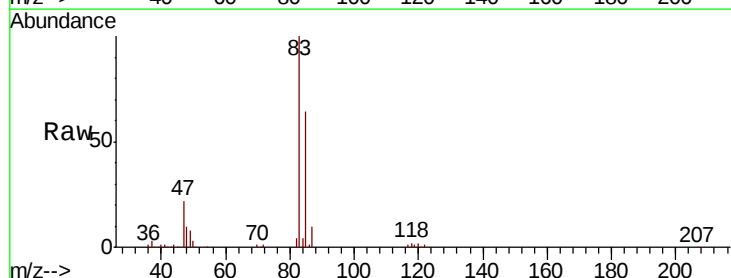
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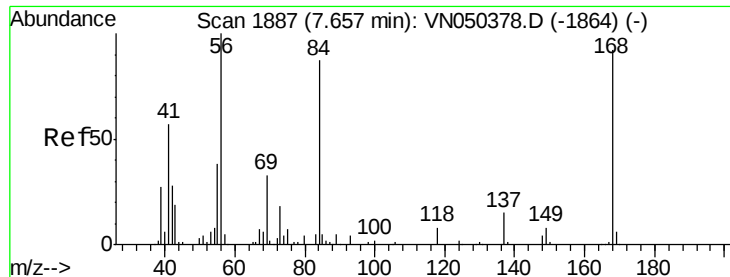
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#30
Chloroform
Concen: 19.84 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.5	78.7





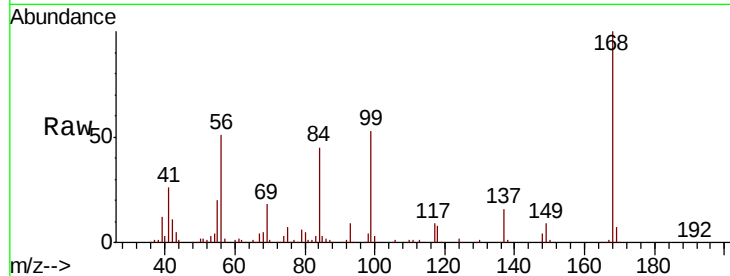
#31
Cyclohexane
Concen: 18.81 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

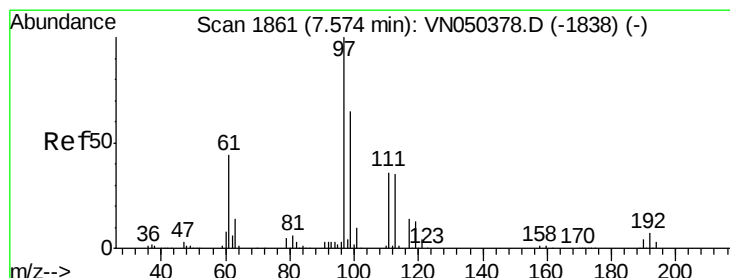
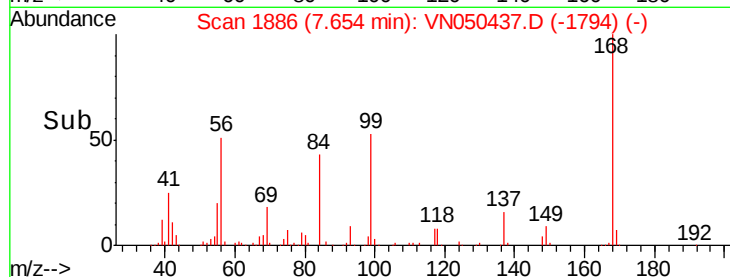
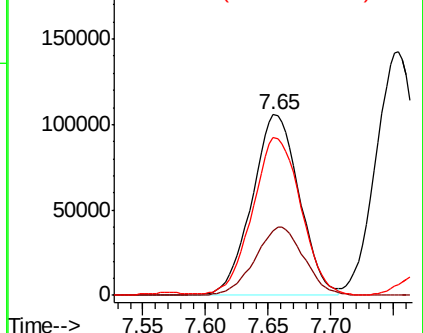
Tot Ion	Ratio	Lower	Upper
56	100		
69	35.9	26.2	39.4
84	86.6	67.4	101.0

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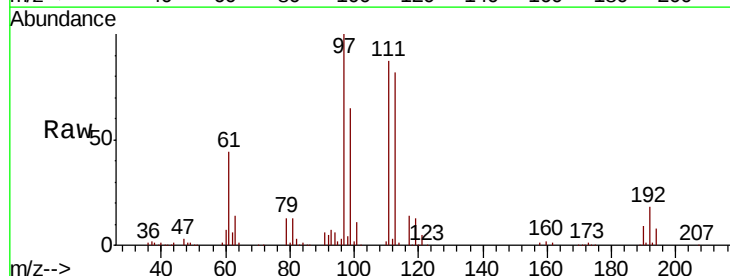


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

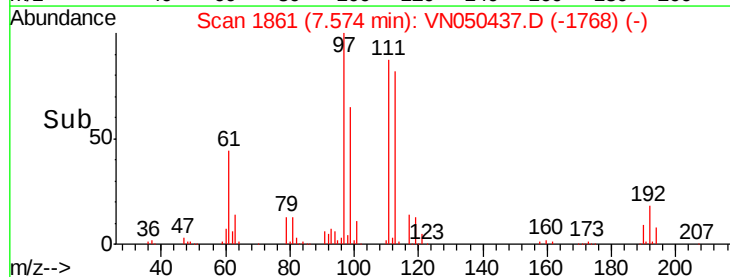
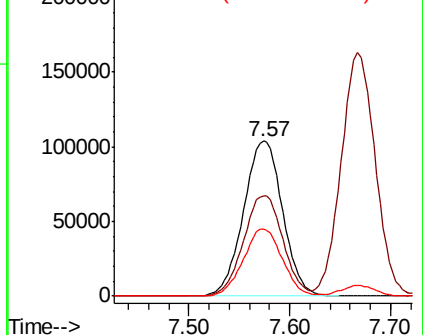


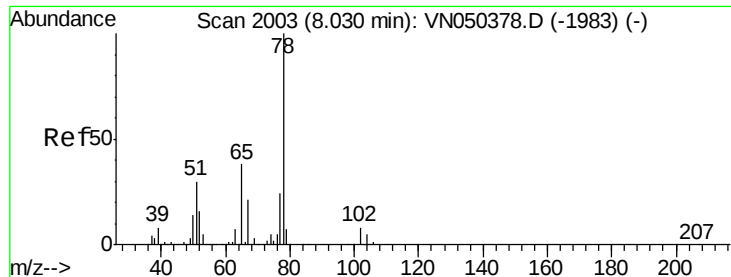
#32
1,1,1-Trichloroethane
Concen: 19.76 ug/l
RT: 7.57 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.4	77.0
61	43.4	35.4	53.0



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0





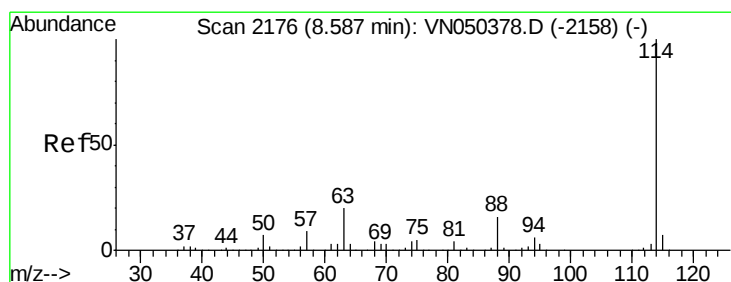
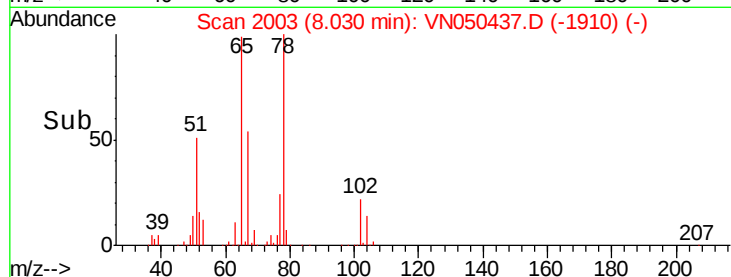
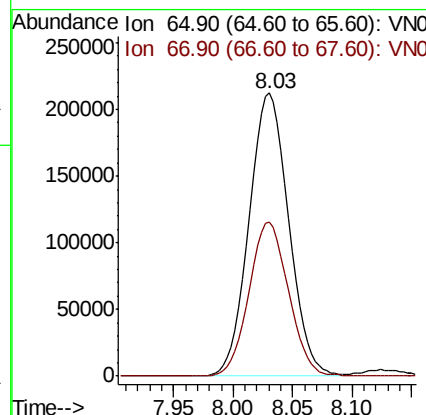
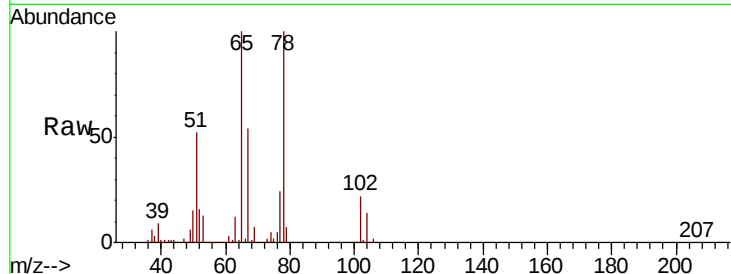
#33
 1,2-Dichloroethane-d4
 Concen: 48.55 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	54.4	0.0	108.4	

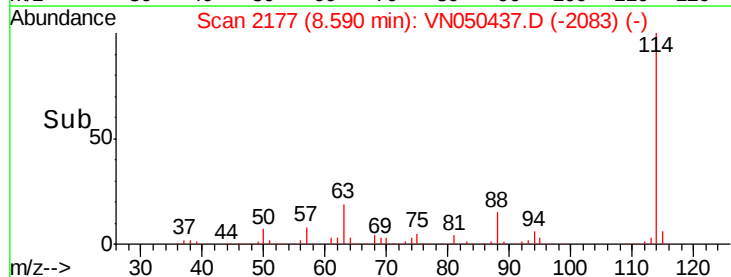
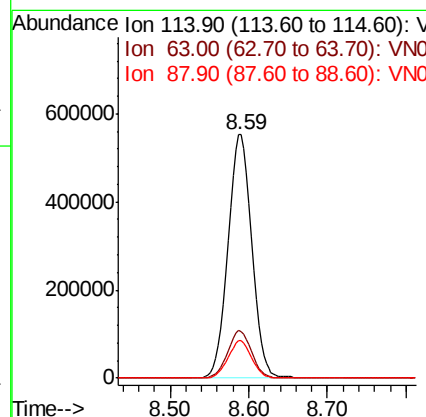
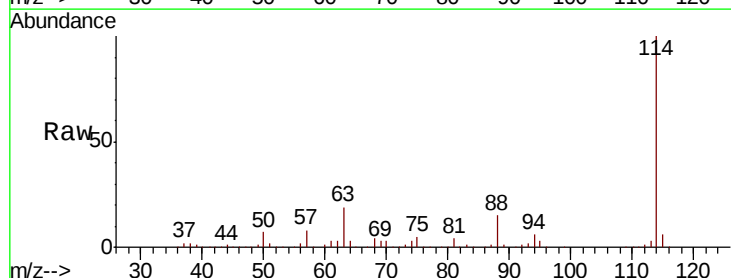
Manual Integrations
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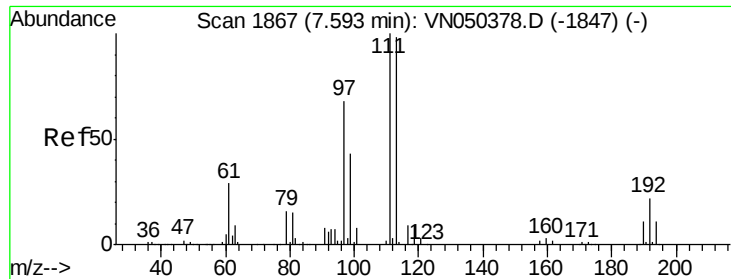
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.3	0.0	40.0	
88	15.5	0.0	31.2	





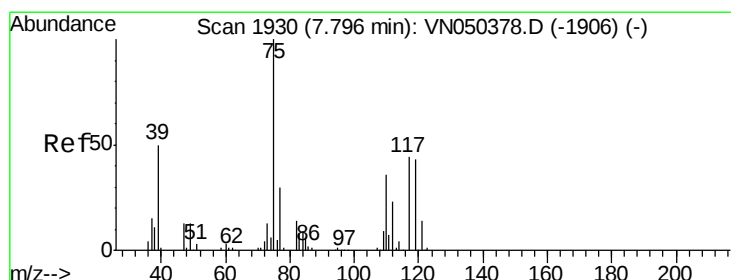
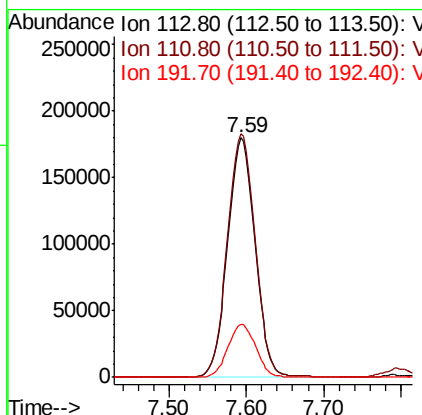
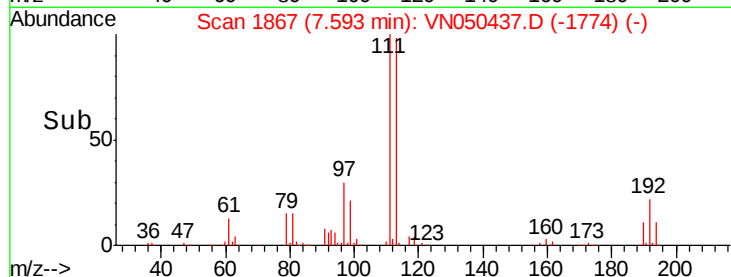
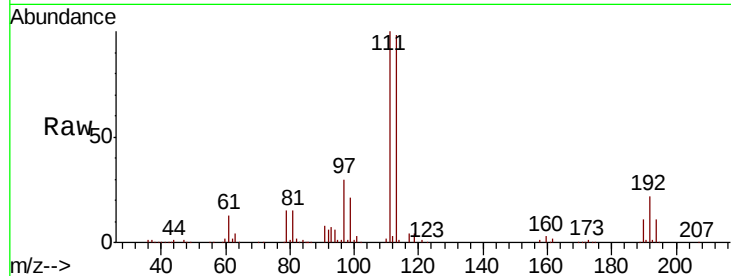
#35
Dibromofluoromethane
Concen: 47.97 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	443088		
111	102.6	80.7	121.1	
192	22.5	17.8	26.6	

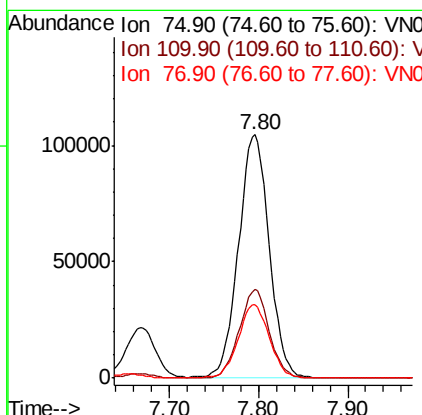
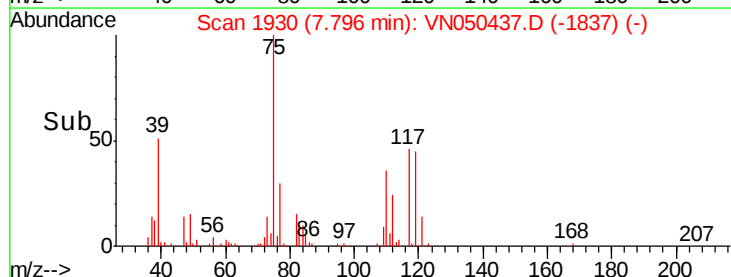
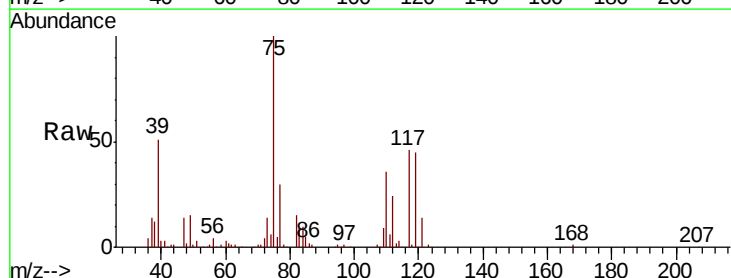
Manual Integrations
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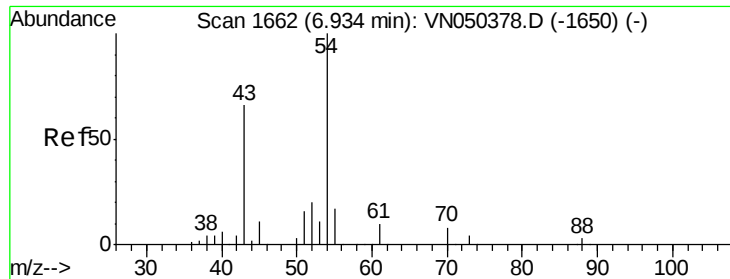
MMDadoda
8/8/2018 10:47:58 AM



#36
1,1-Dichloropropene
Concen: 19.76 ug/l
RT: 7.80 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	249956		
110	35.6	18.4	55.2	
77	30.9	25.3	37.9	





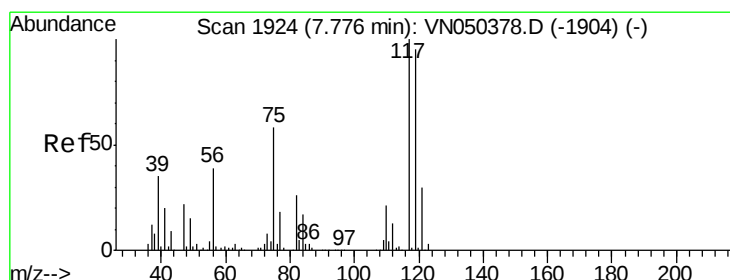
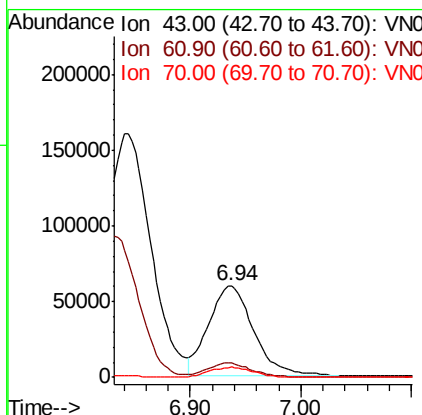
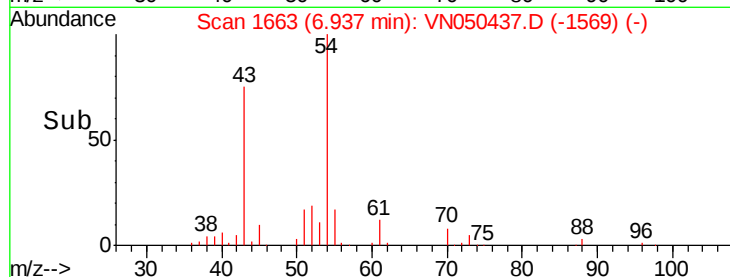
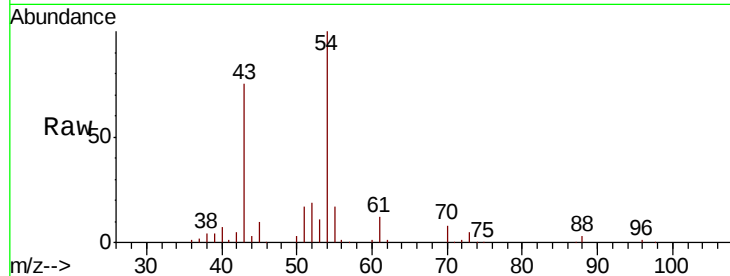
#37
Ethyl Acetate
Concen: 18.44 ug/l
RT: 6.94 min Scan# 1663
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.8	17.8
70	10.9	8.4	12.6

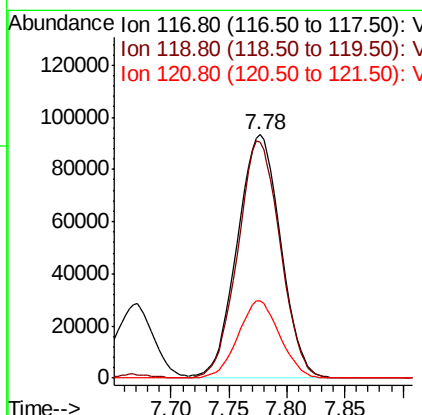
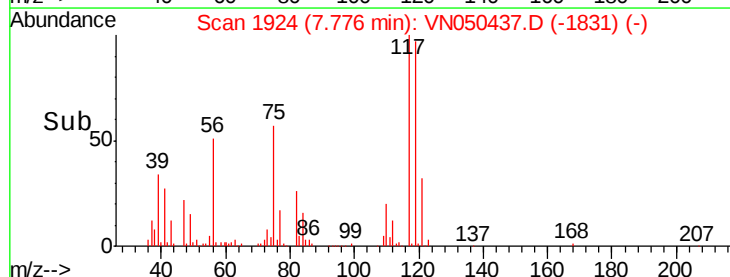
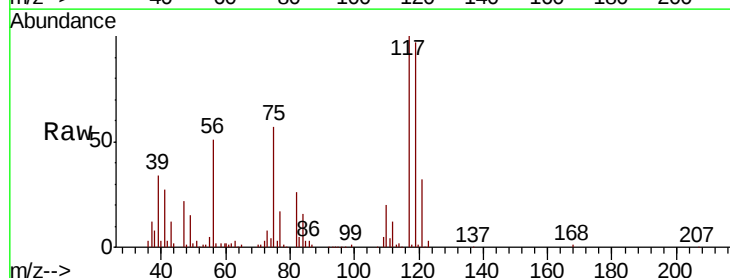
Manual Integrations
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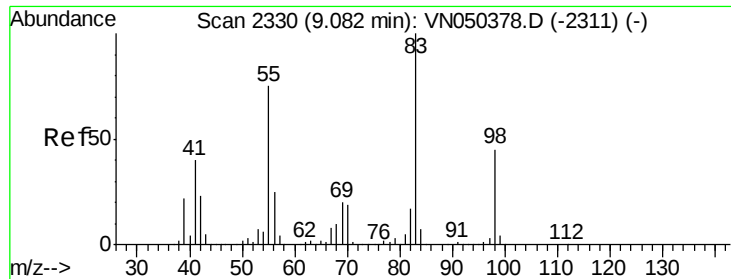
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.32 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.4	116.0
121	31.9	23.9	35.9





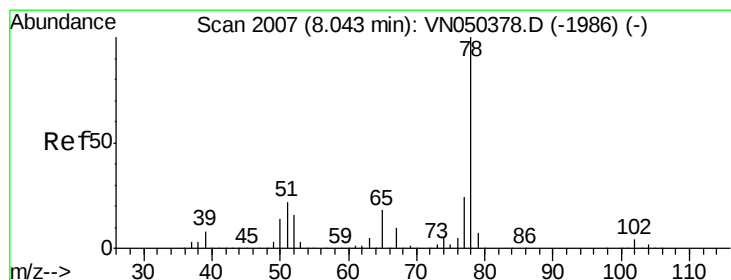
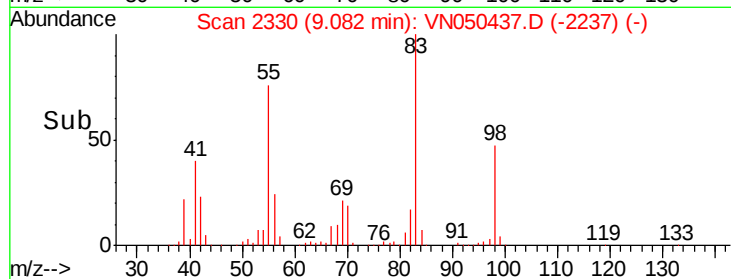
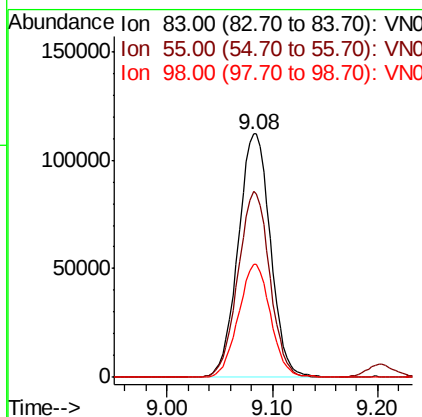
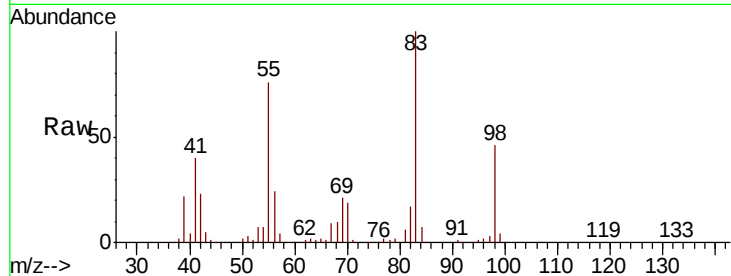
#39
Methvlcvclohexane
Concen: 17.26 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampled :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.8	92.8
98	46.5	36.5	54.7

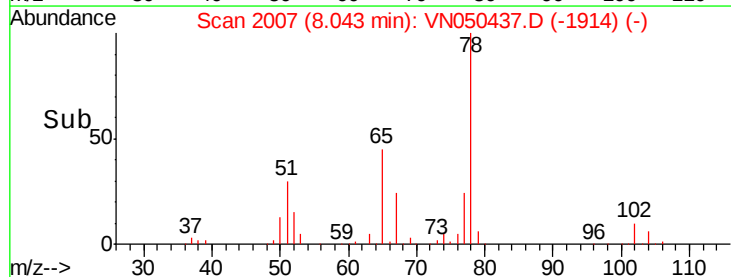
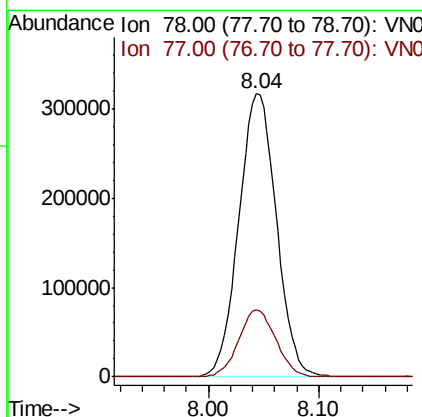
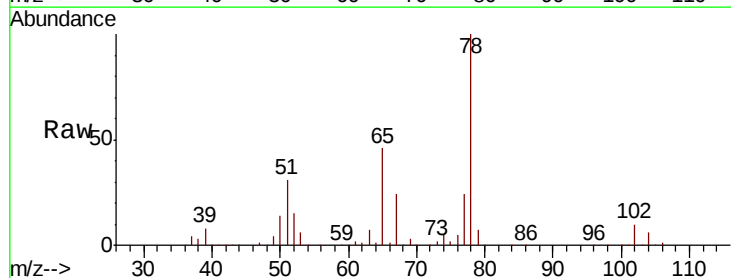
Manual Integrations
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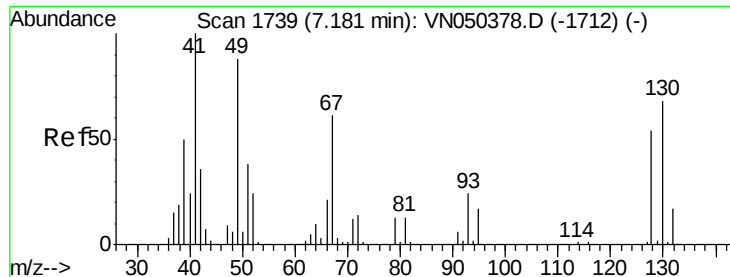
MMDadoda
8/8/2018 10:47:58 AM



#40
Benzene
Concen: 19.22 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





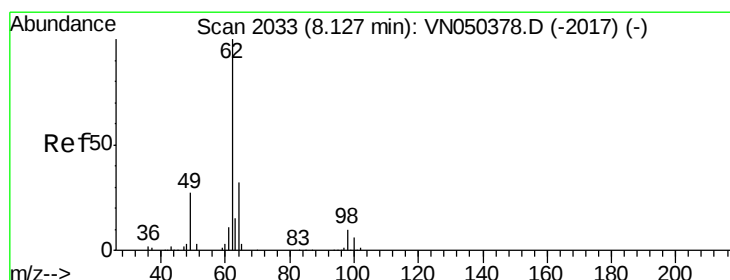
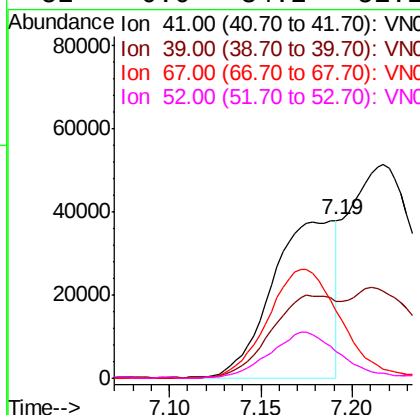
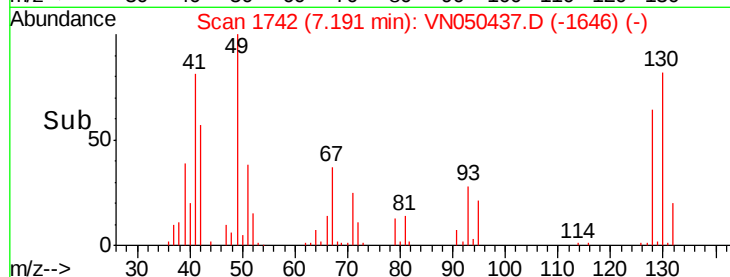
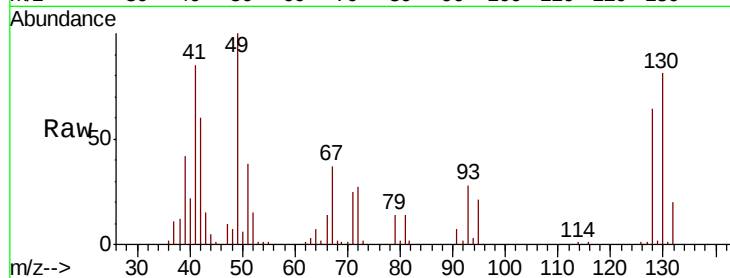
#41
Methacrylonitrile
Concen: 18.97 ug/l m
RT: 7.19 min Scan# 1742
Delta R.T. 0.01 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.8	83.6#
67	0.0	84.3	126.5#
52	0.0	34.2	51.2#

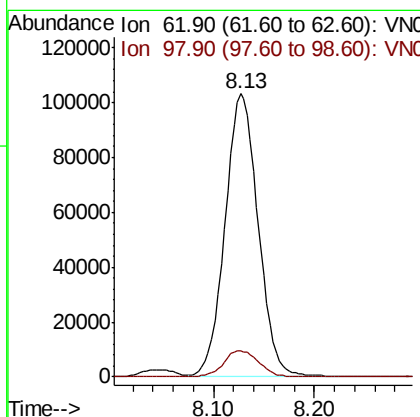
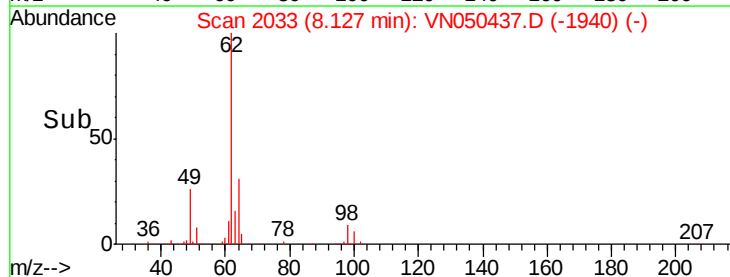
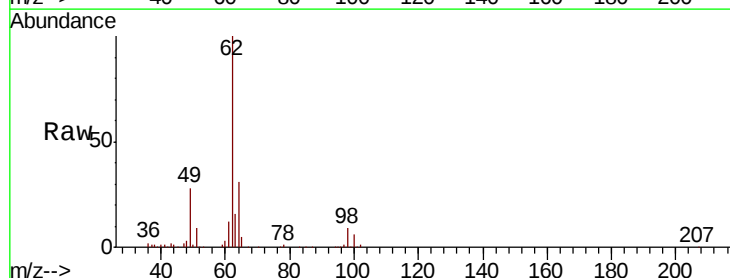
Manual Integrations
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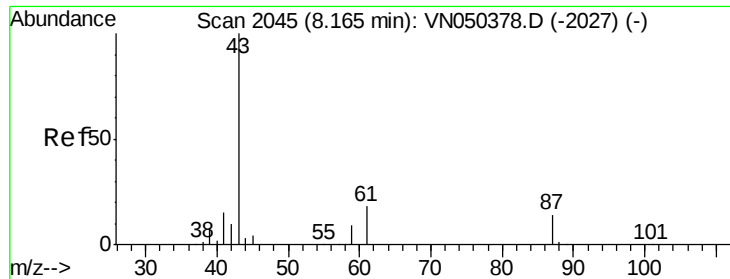
MMDadoda
8/8/2018 10:47:58 AM



#42
1,2-Dichloroethane
Concen: 19.06 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	18.8





#43

Isopropyl Acetate

Concen: 19.39 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

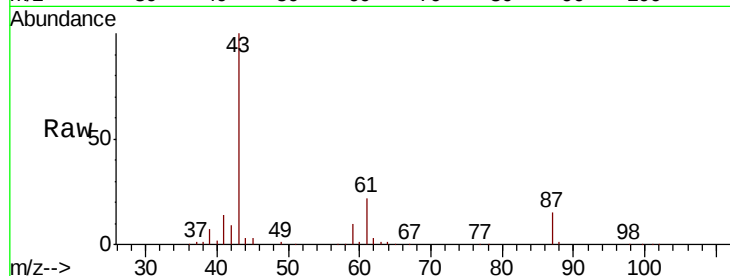
ClientSampled :

VN0807WBSD01

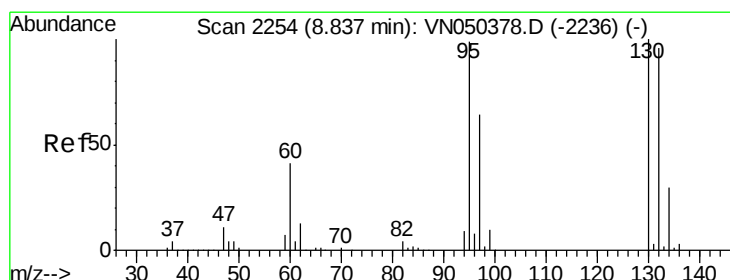
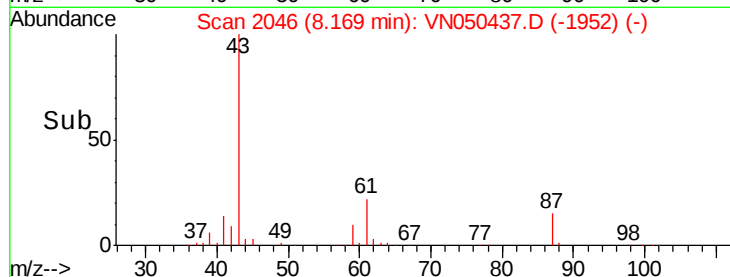
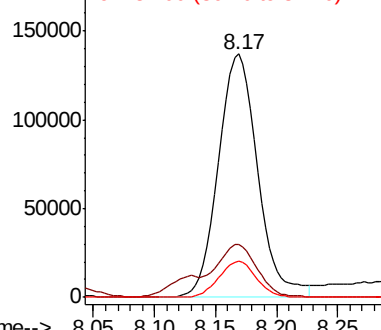
Tot Ion:	43	Resp:	304944
Ion	Ratio	Lower	Upper
43	100		
61	21.8	15.8	23.6
87	14.1	10.3	15.5

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN050437.D (-1952) (-)



#44

Trichloroethene

Concen: 19.24 ug/l

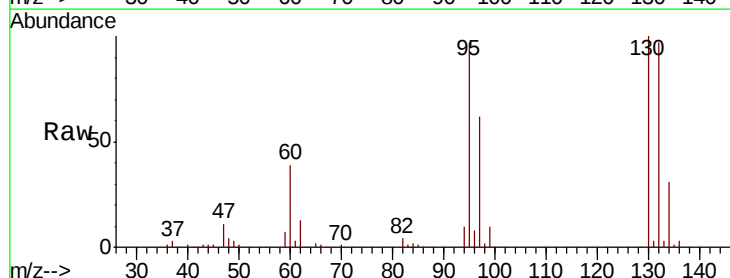
RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

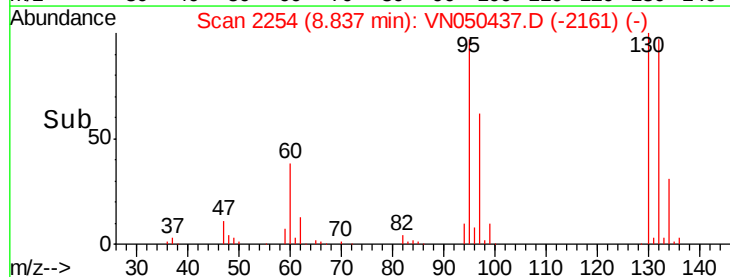
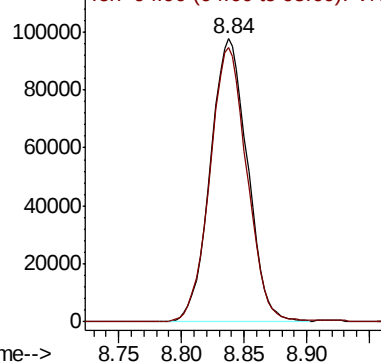
Lab File: VN050437.D

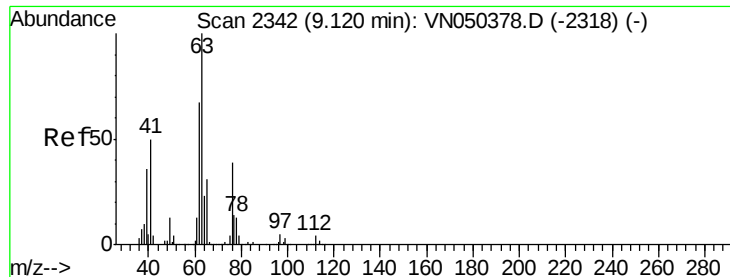
Acq: 7 Aug 2018 17:30

Tgt Ion:	130	Resp:	201037
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	194.6



Abundance Ion 129.80 (129.50 to 130.50): VN050437.D (-2161) (-)





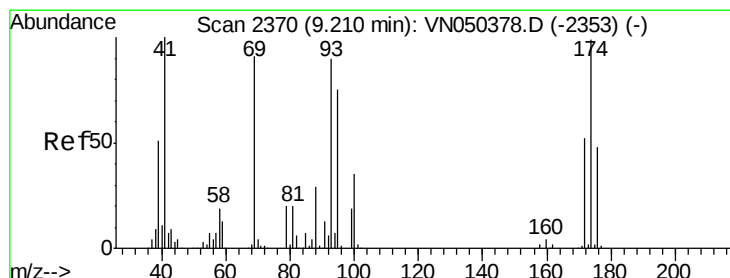
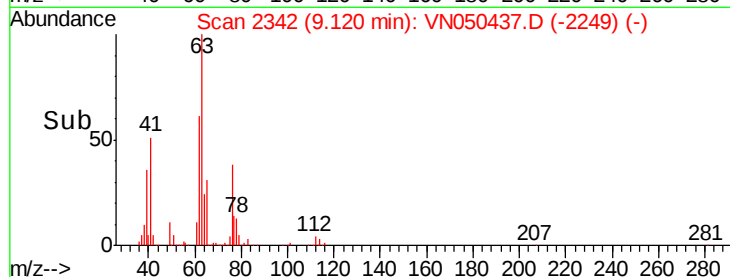
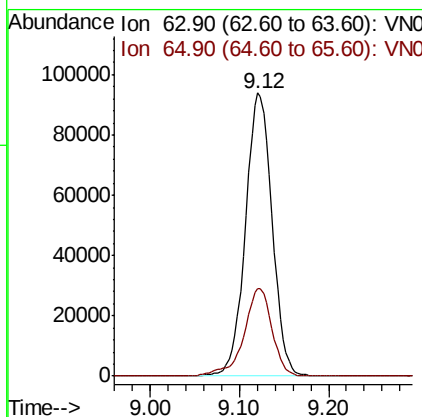
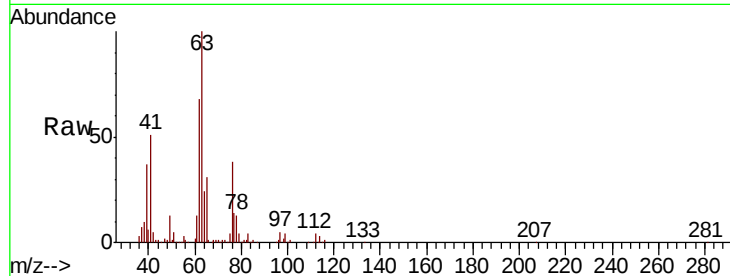
#45
 1,2-Dichloropropane
 Concen: 19.12 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	25.5	38.3

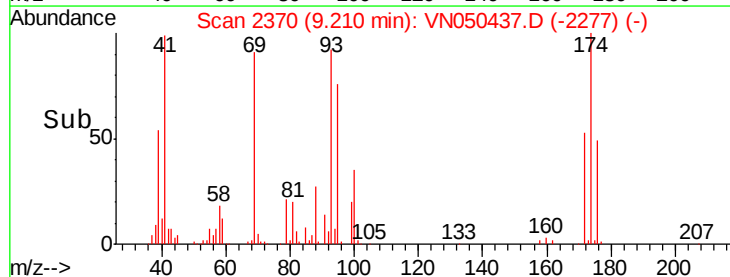
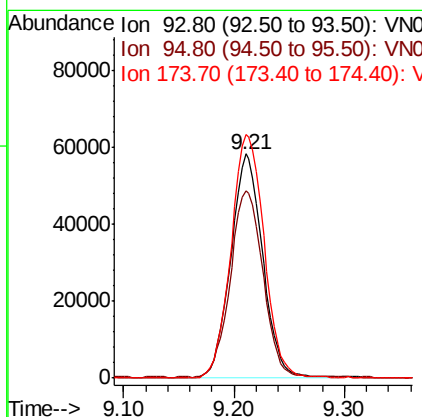
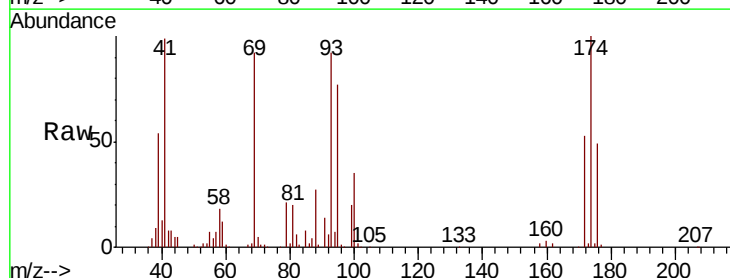
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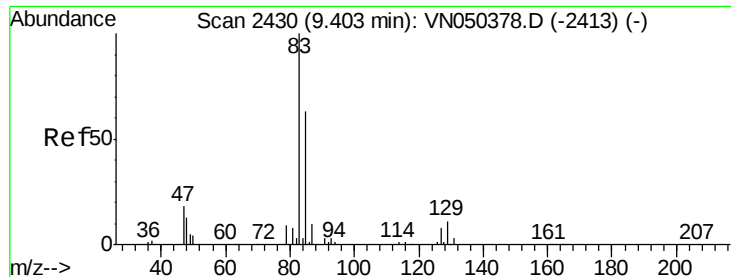
MMDadoda
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#46
 Dibromomethane
 Concen: 18.60 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	66.6	100.0
174	112.0	87.1	130.7





#47

Bromodichloromethane

Concen: 18.52 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

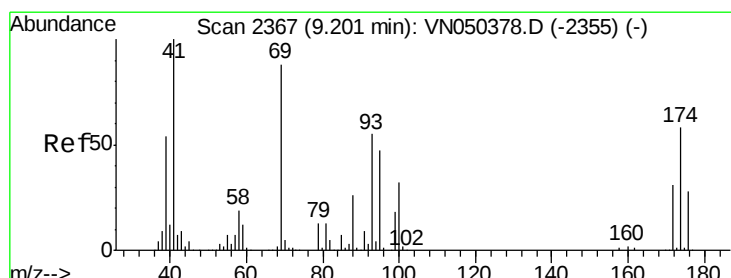
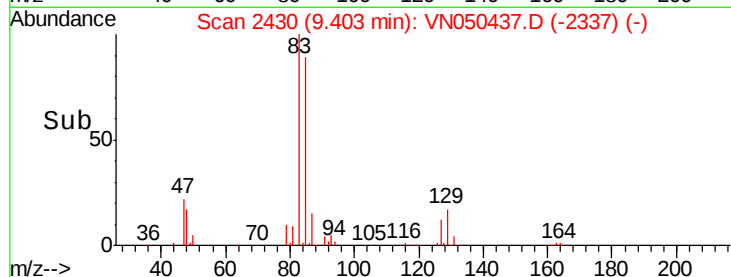
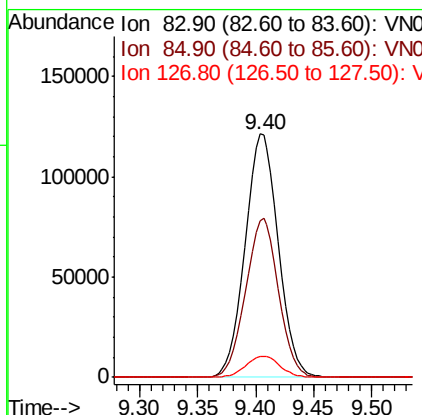
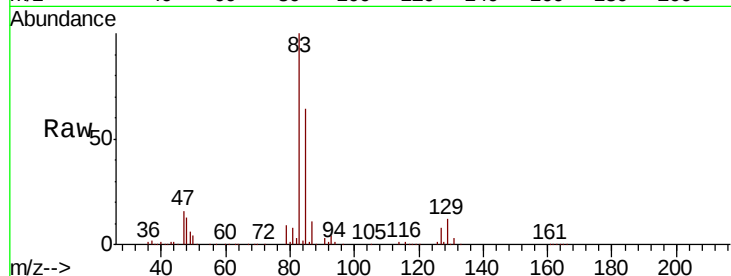
ClientSampleId :

VN0807WBSD01

Tot Ion:	83	Resp:	242106
Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.1	76.7
127	8.4	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 18.27 ug/l

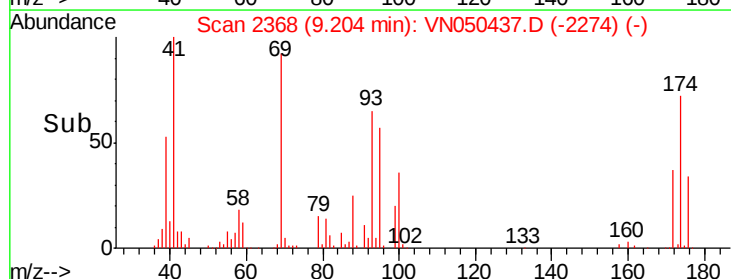
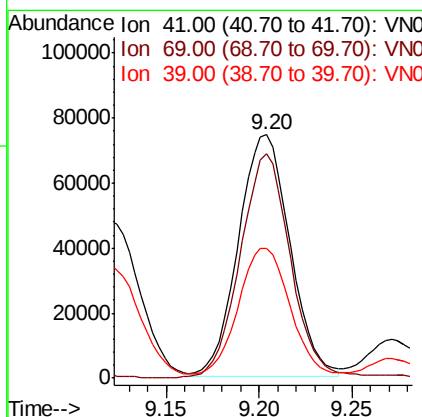
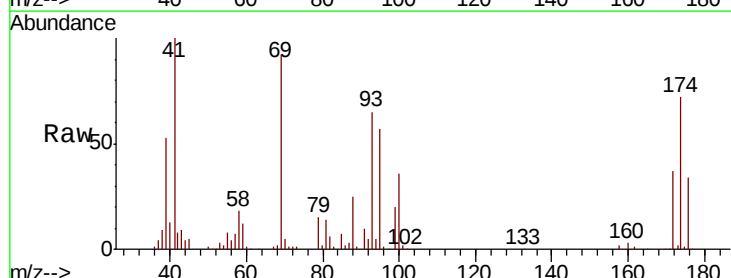
RT: 9.20 min Scan# 2368

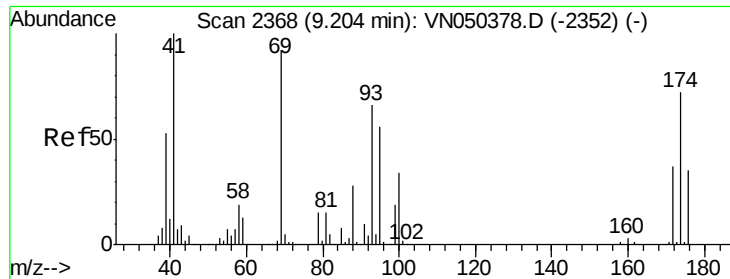
Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion:	41	Resp:	143959
Ion	Ratio	Lower	Upper
41	100		
69	89.9	70.6	105.8
39	54.2	43.9	65.9





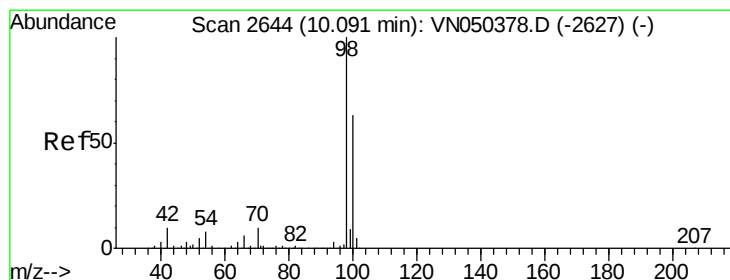
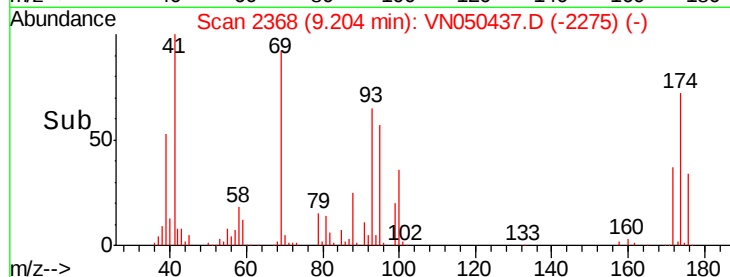
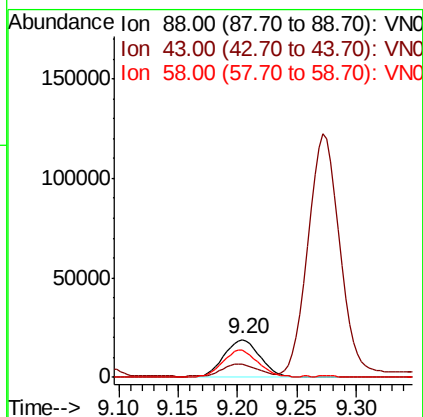
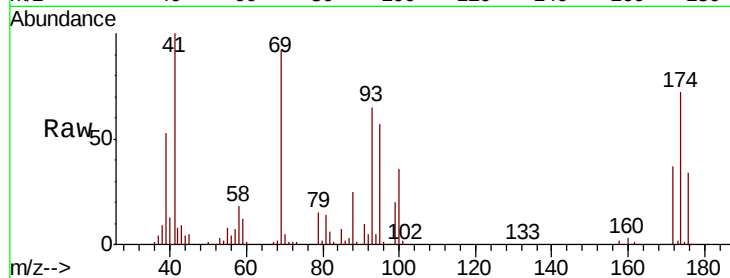
#49
 1,4-Dioxane
 Concen: 333.79 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	26.9	40.3
58	70.2	57.3	85.9

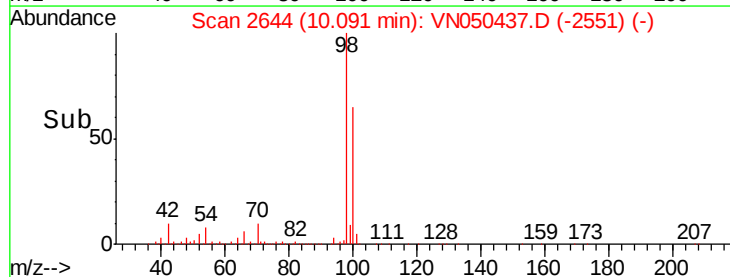
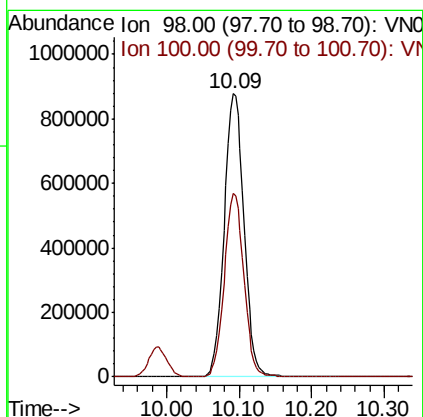
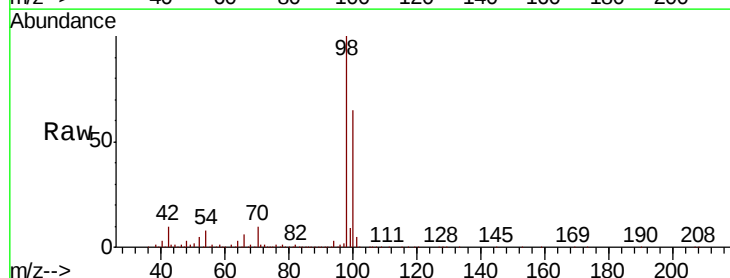
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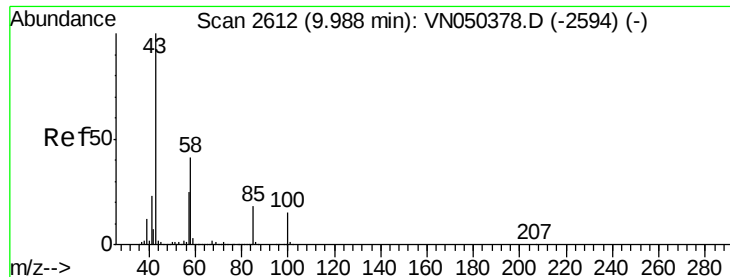
MMDadoda
 8/8/2018 10:47:58 AM



#50
 Toluene-d8
 Concen: 47.80 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1





#51

4-Methyl-2-Pentanone

Concen: 92.60 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion: 43 Resp: 1048541

Ion Ratio Lower Upper

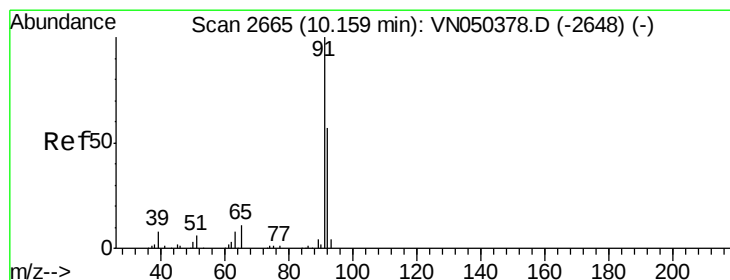
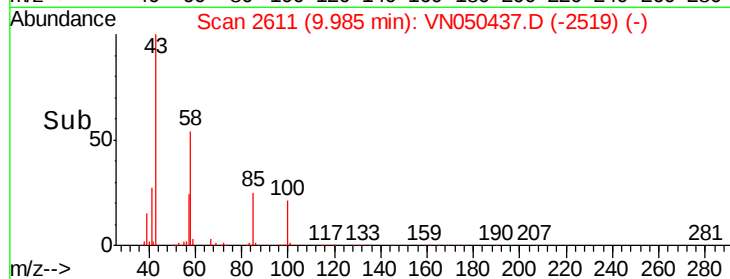
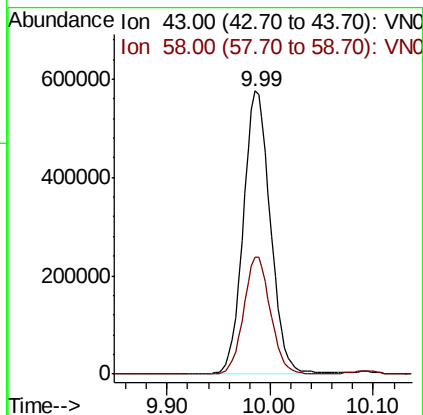
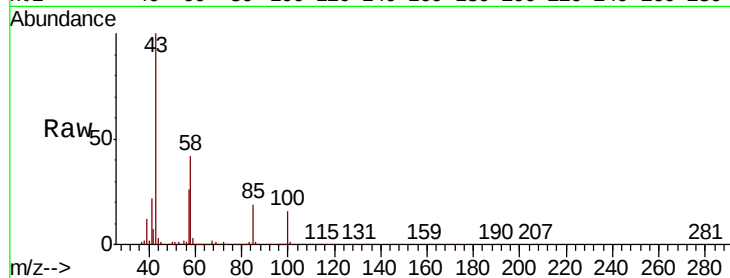
43 100

58 41.0 31.9 47.9

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#52

Toluene

Concen: 19.86 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. 0.00 min

Lab File: VN050437.D

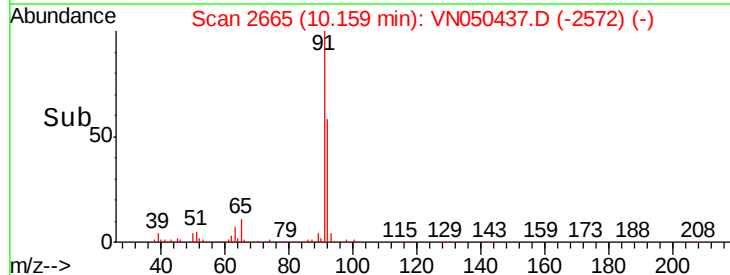
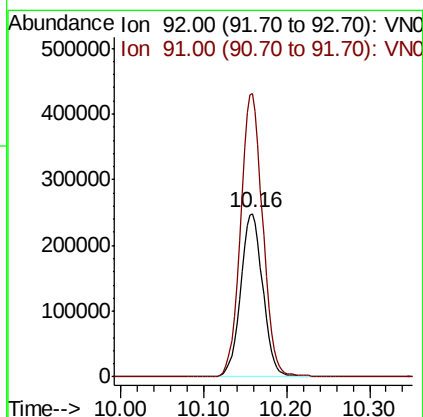
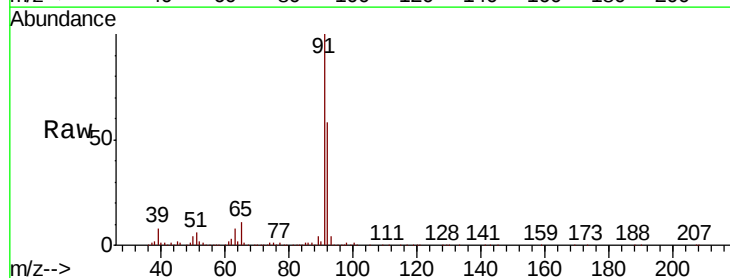
Acq: 7 Aug 2018 17:30

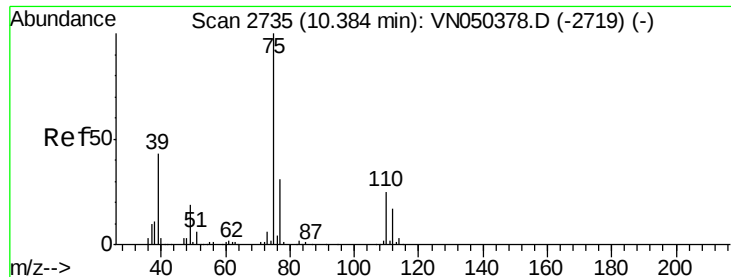
Tgt Ion: 92 Resp: 463943

Ion Ratio Lower Upper

92 100

91 172.5 140.3 210.5





#53

t-1,3-Dichloropropene

Concen: 18.54 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion: 75 Resp: 243416

Ion Ratio Lower Upper

75 100

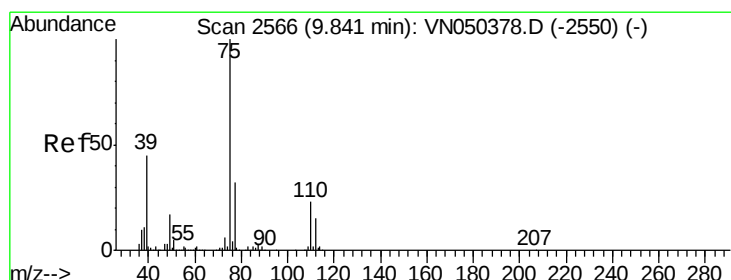
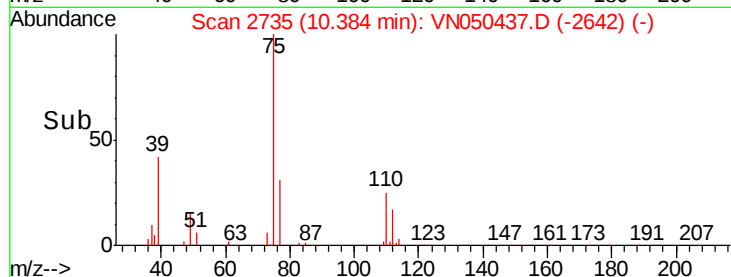
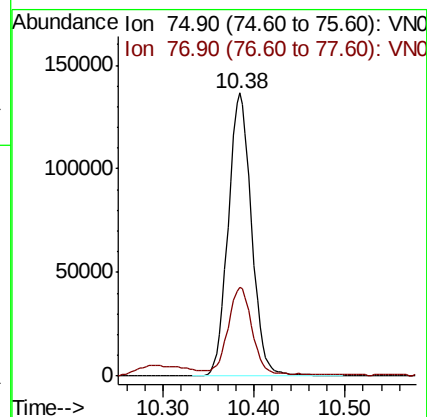
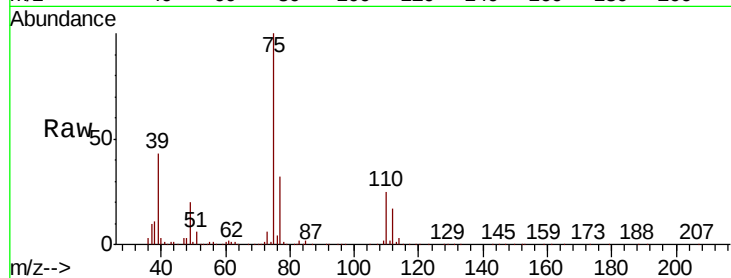
77 31.1 24.9 37.3

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#54

cis-1,3-Dichloropropene

Concen: 19.14 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

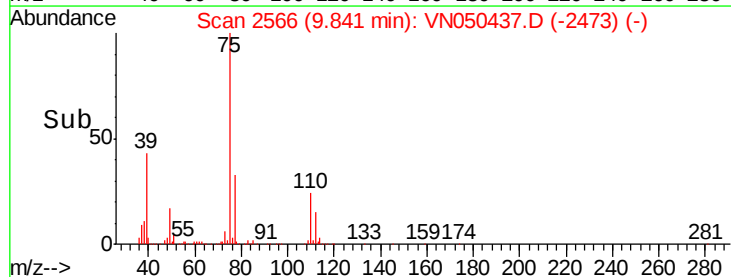
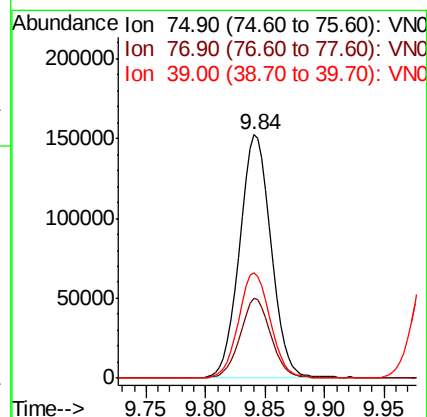
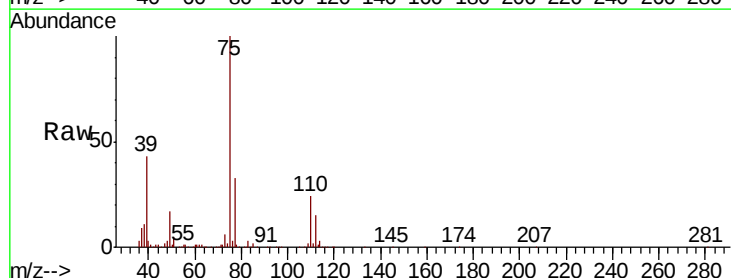
Tgt Ion: 75 Resp: 280384

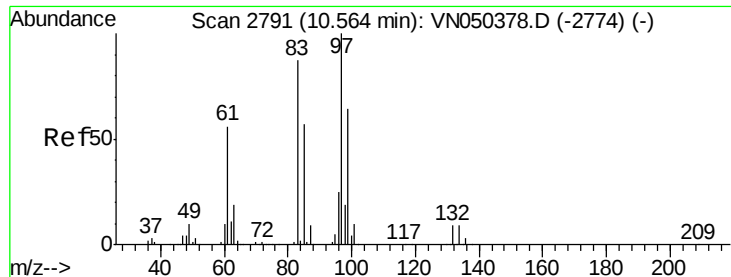
Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3

39 43.2 36.6 55.0





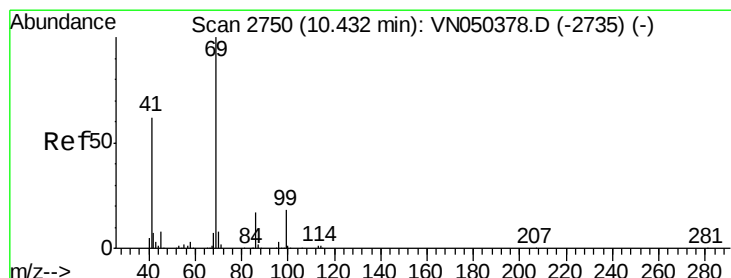
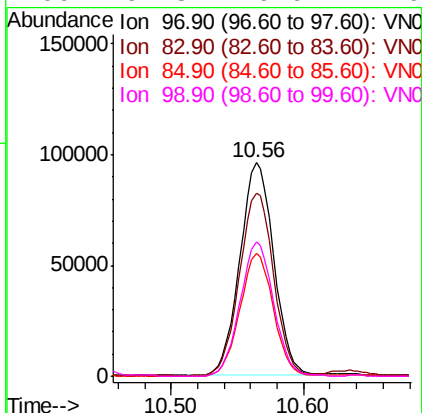
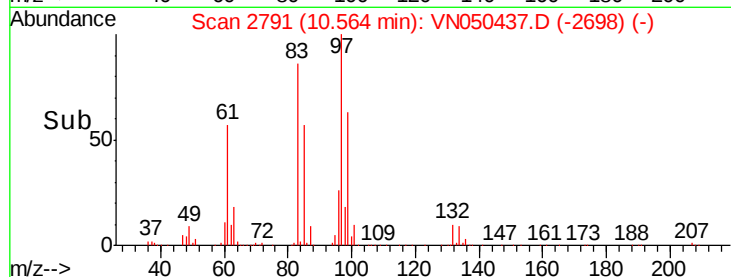
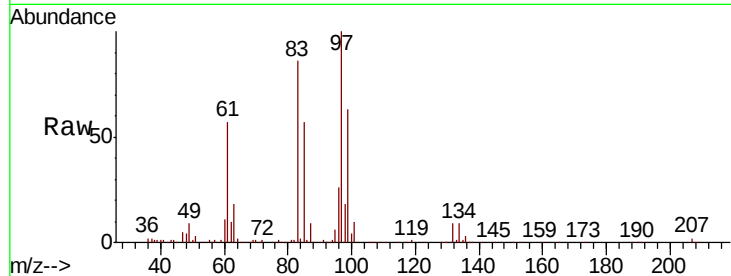
#55
 1,1,2-Trichloroethane
 Concen: 18.82 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		171610		
83	85.8	69.2	103.8		
85	57.4	44.0	66.0		
99	62.8	49.9	74.9		

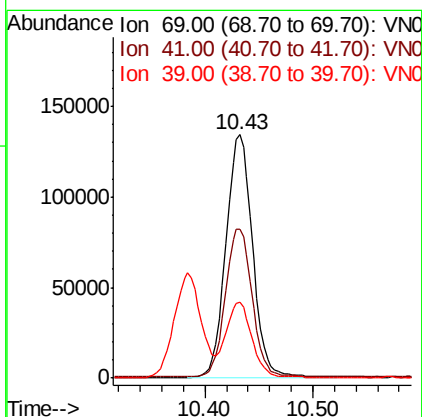
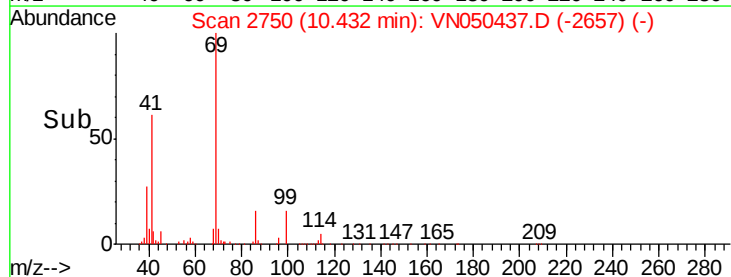
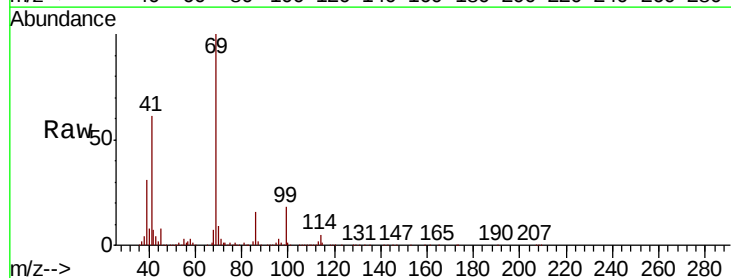
Manual Integrations
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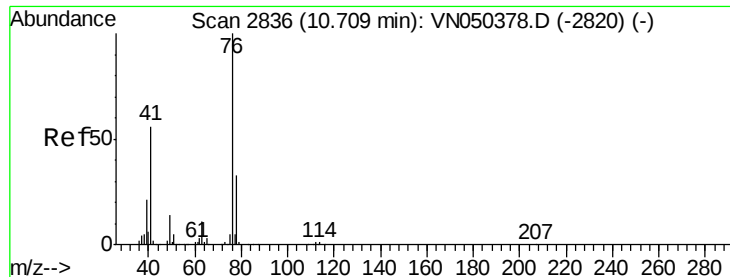
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 8/8/2018 10:47:58 AM



#56
 Ethyl methacrylate
 Concen: 18.94 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		230213		
41	60.4	51.0	76.4		
39	30.3	26.6	40.0		





#57

1,3-Dichloropropane

Concen: 19.13 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

VN0807WBSD01

Tot Ion: 76 Resp: 286328

Ion Ratio Lower Upper

76 100

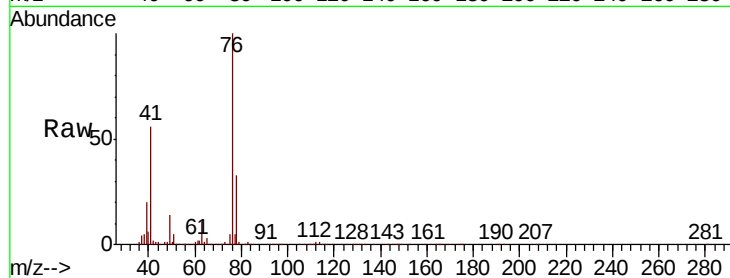
78 32.6 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

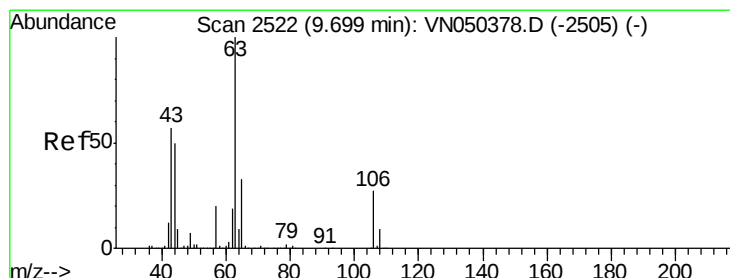
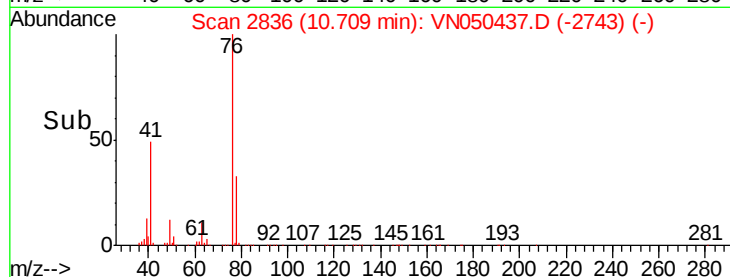
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 88.69 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN050437.D

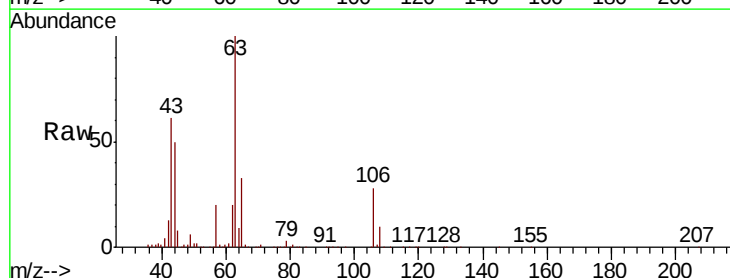
Acq: 7 Aug 2018 17:30

Tgt Ion: 63 Resp: 503873

Ion Ratio Lower Upper

63 100

106 27.8 21.7 32.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

300000

250000

200000

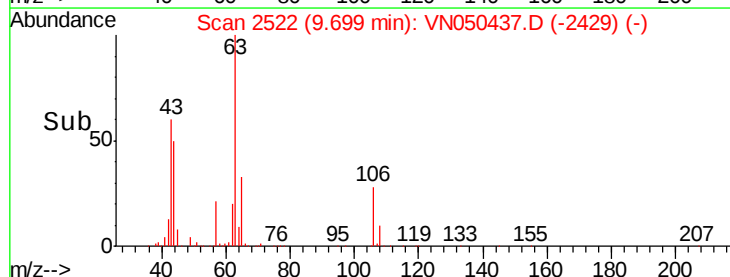
150000

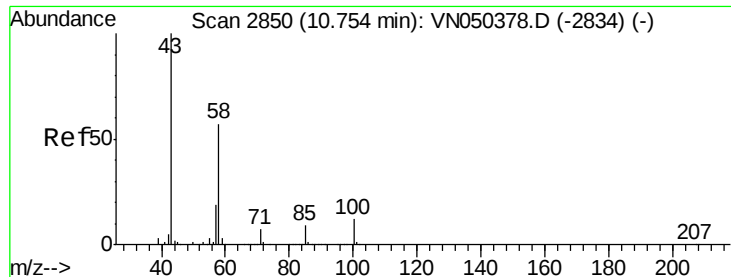
100000

50000

0

Time-->





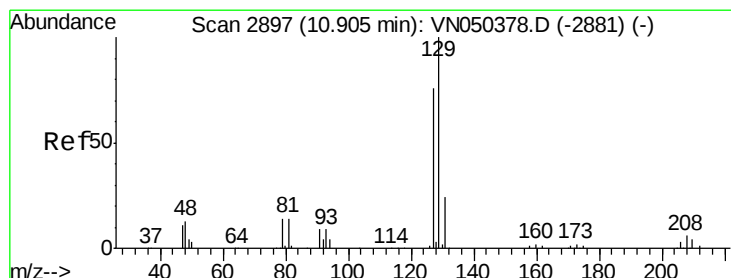
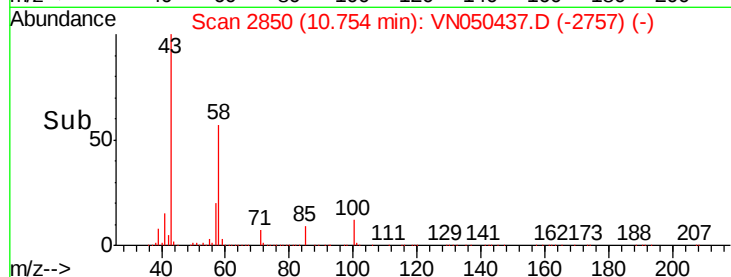
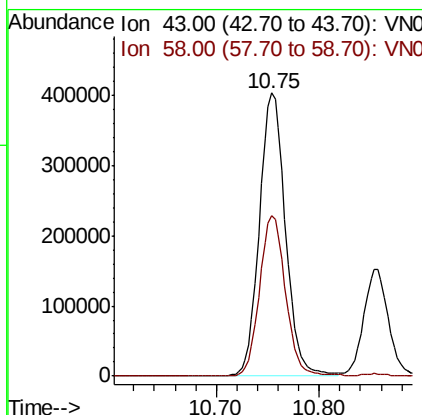
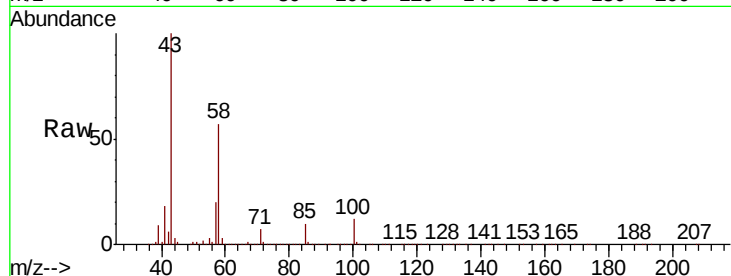
#59
2-Hexanone
Concen: 88.89 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion: 43 Resp: 702493
Ion Ratio Lower Upper
43 100
58 56.8 27.6 82.7

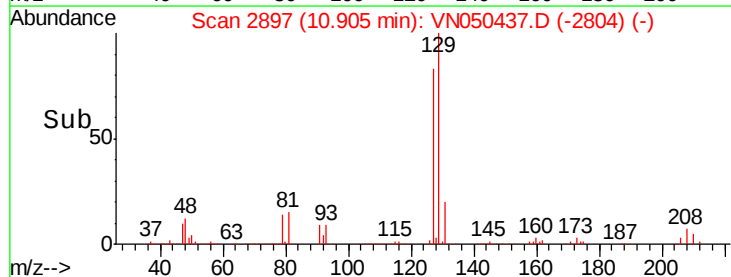
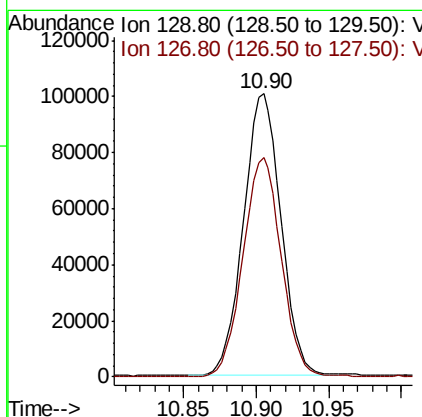
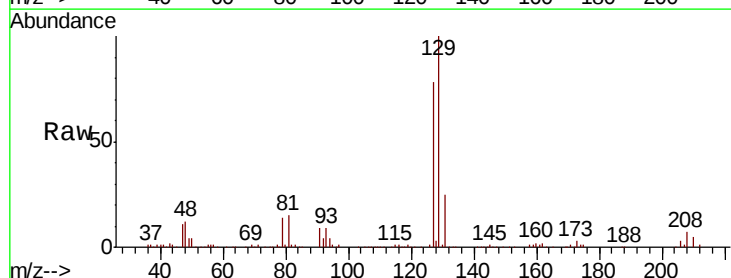
Manual Integrations
APPROVED

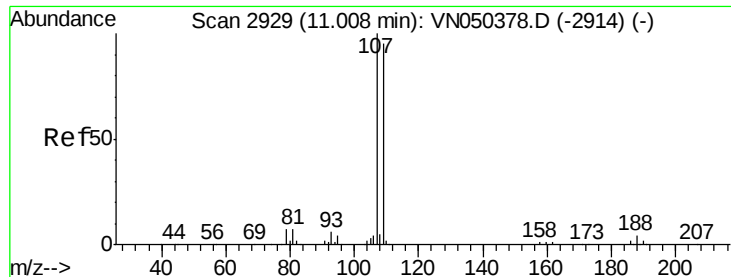
MMDadoda
8/8/2018 10:47:58 AM



#60
Dibromochloromethane
Concen: 18.08 ug/l
RT: 10.90 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 129 Resp: 181637
Ion Ratio Lower Upper
129 100
127 78.2 38.0 113.9





#61

1,2-Dibromoethane

Concen: 18.94 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion: 107 Resp: 170196

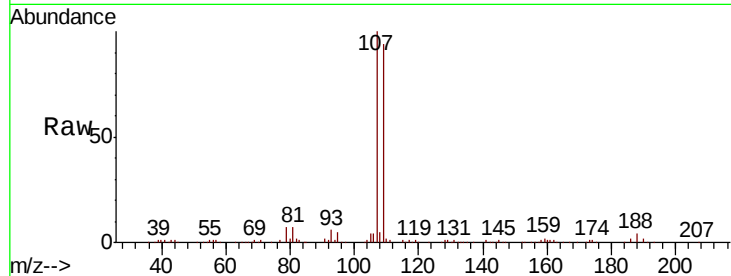
Ion Ratio Lower Upper

107 100

109 94.9 74.6 112.0

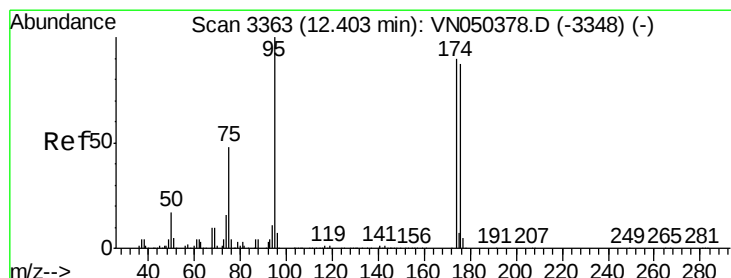
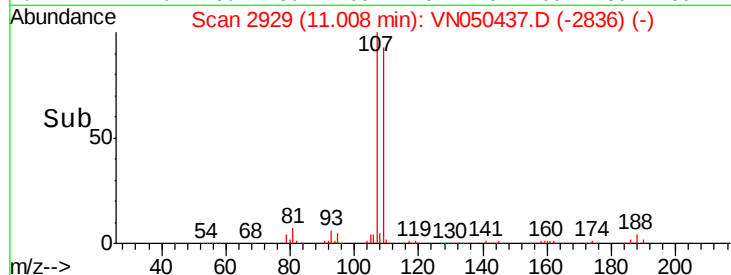
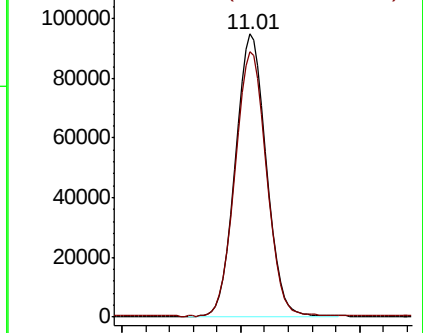
Manual Integrations
APPROVED

MMDadoda
8/8/2018 10:47:58 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

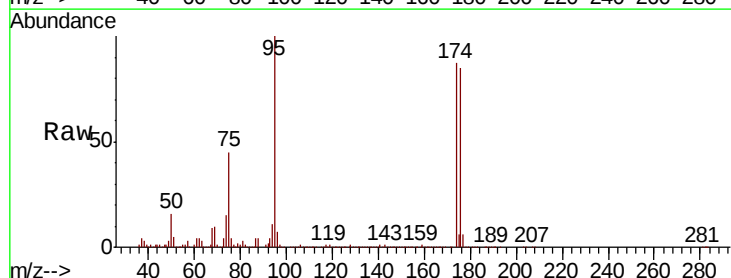
Tgt Ion: 95 Resp: 562660

Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.2

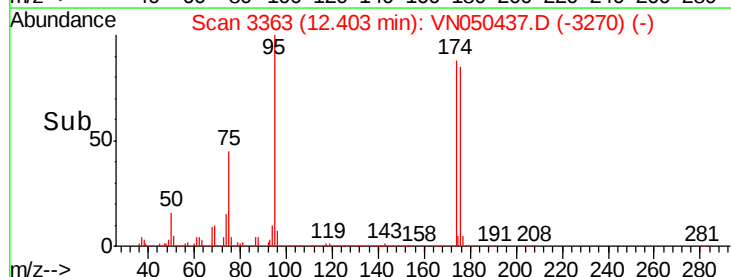
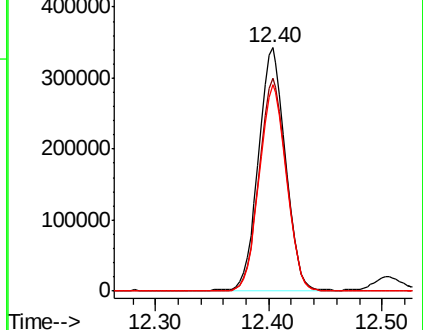
176 86.0 0.0 173.4

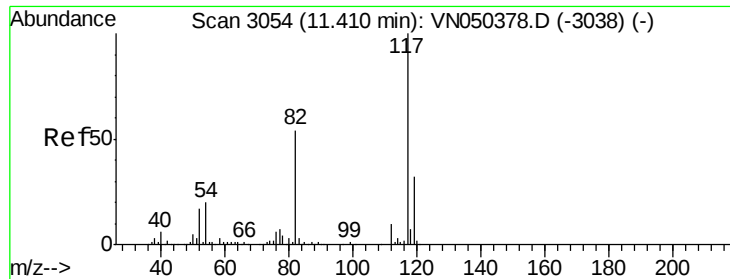


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





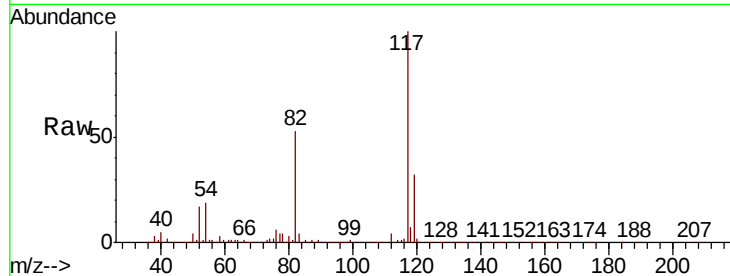
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	43.7	65.5
119	32.3	26.1	39.1

Manual Integrations
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MMDadoda
8/8/2018 10:47:58 AM

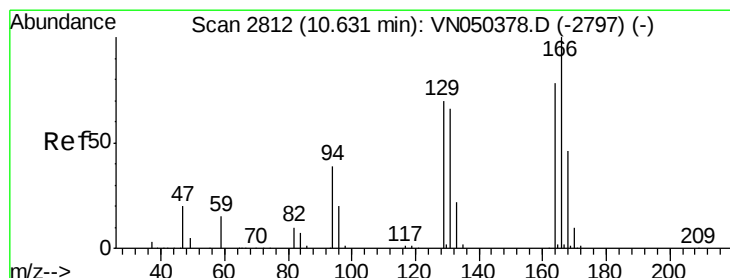
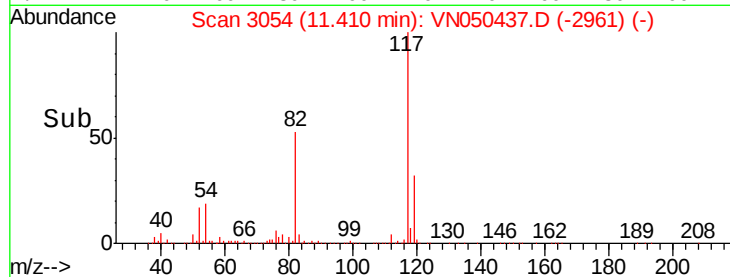
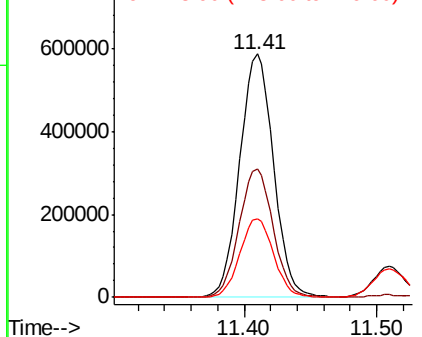


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 19.84 ug/l
RT: 10.63 min Scan# 2813
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.2	102.1	153.1
129	91.7	73.2	109.8
131	87.6	70.6	106.0

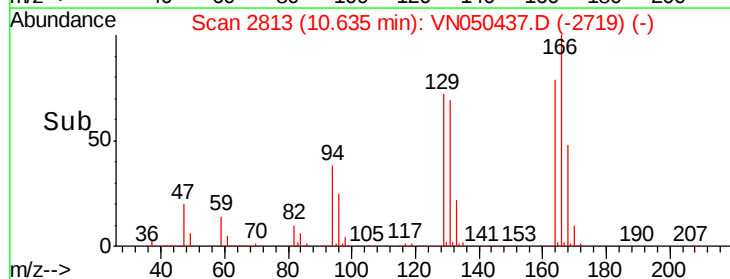
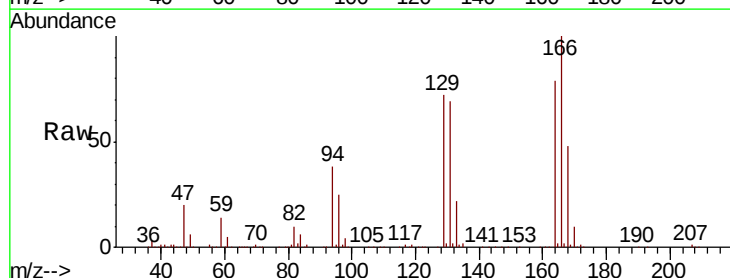
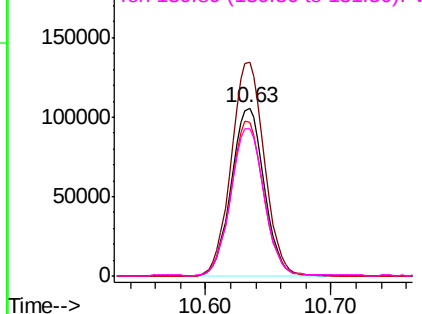
Abundance

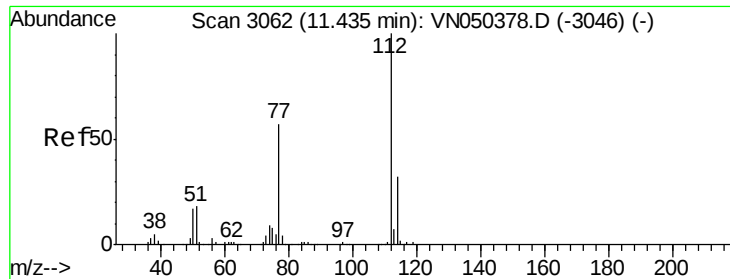
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





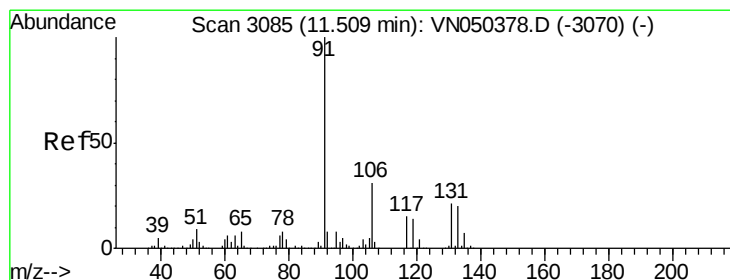
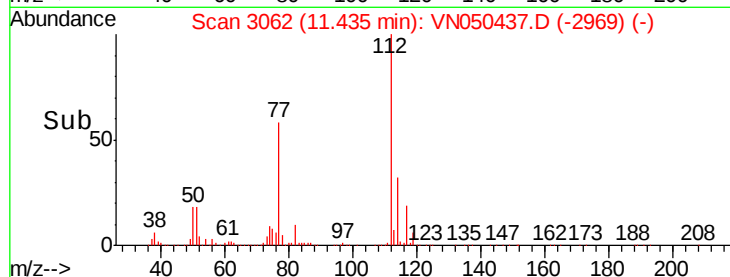
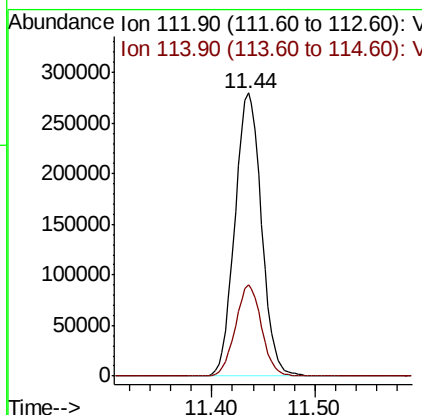
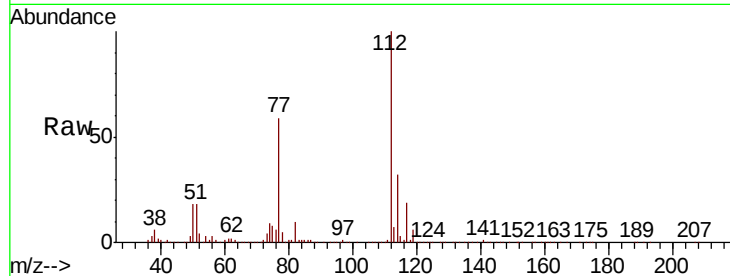
#65
Chlorobenzene
Concen: 19.29 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion:112 Resp: 502443
Ion Ratio Lower Upper
112 100
114 32.1 25.6 38.4

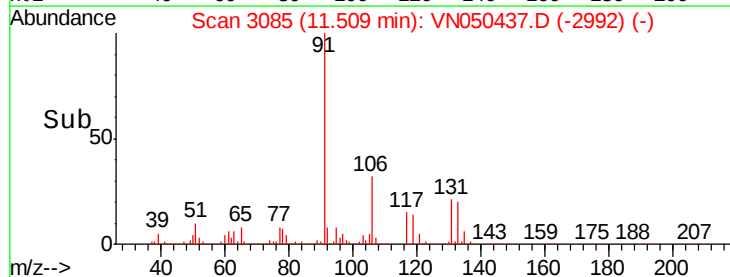
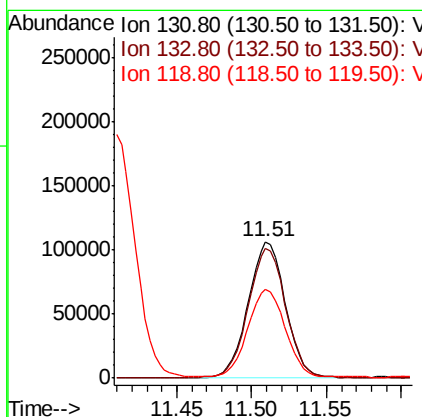
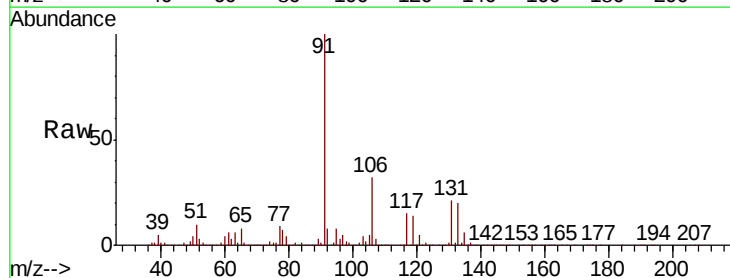
Manual Integrations
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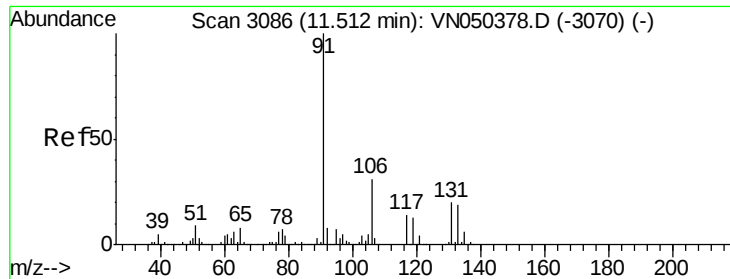
MMDadoda
8/8/2018 10:47:58 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.27 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion:131 Resp: 182696
Ion Ratio Lower Upper
131 100
133 95.9 47.3 141.9
119 64.8 32.9 98.7





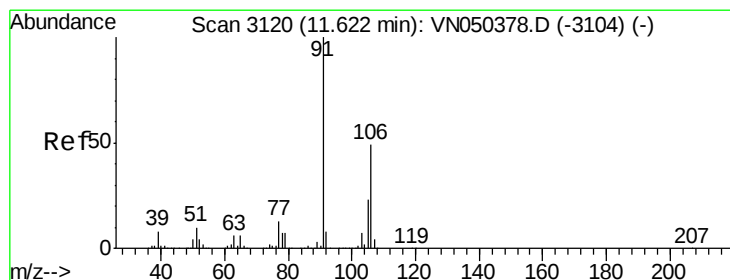
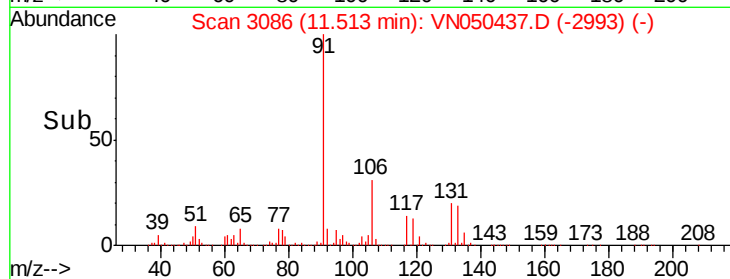
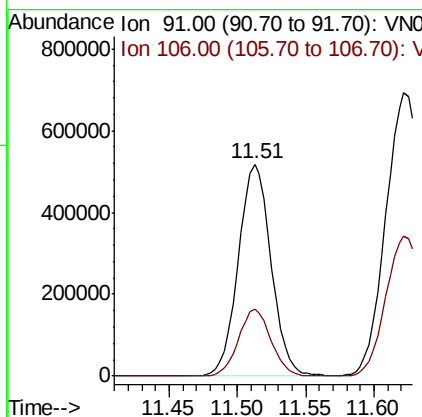
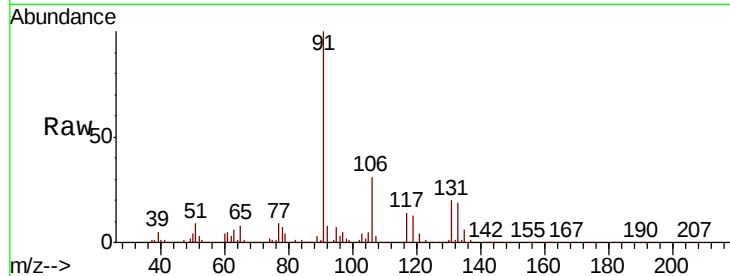
#67
Ethyl Benzene
Concen: 20.44 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampled :
VN0807WBSD01

Tot Ion: 91 Resp: 860559
Ion Ratio Lower Upper
91 100
106 31.4 25.0 37.4

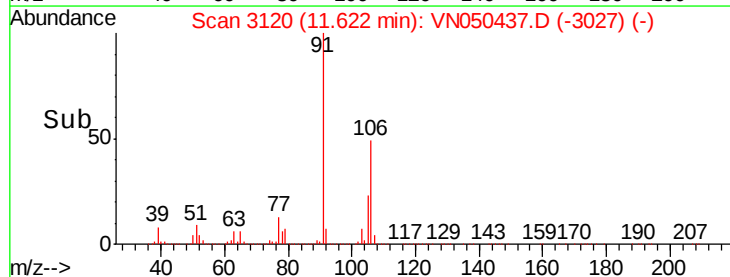
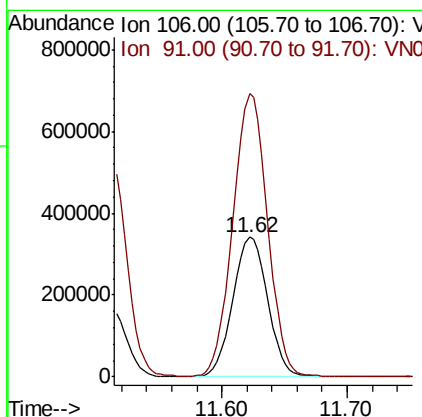
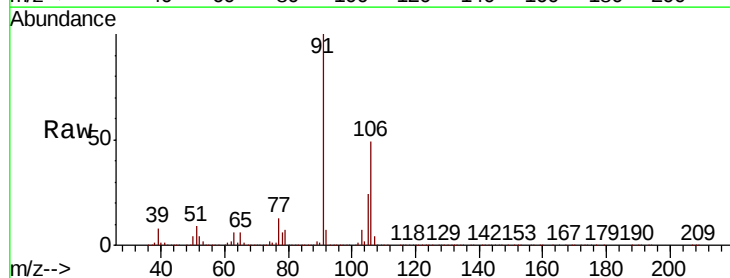
Manual Integrations
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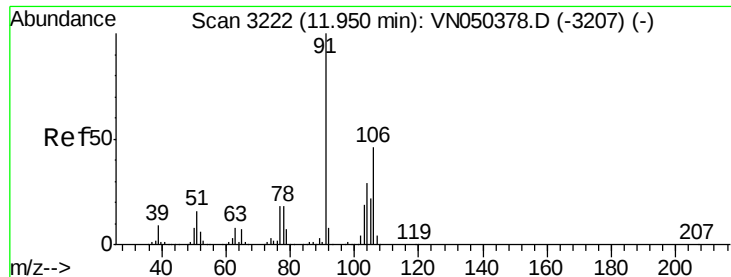
MMDadoda
8/8/2018 10:47:58 AM



#68
m/p-Xylenes
Concen: 41.01 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion: 106 Resp: 657374
Ion Ratio Lower Upper
106 100
91 201.8 162.2 243.2





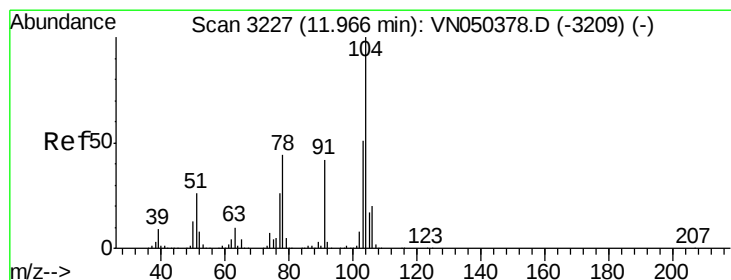
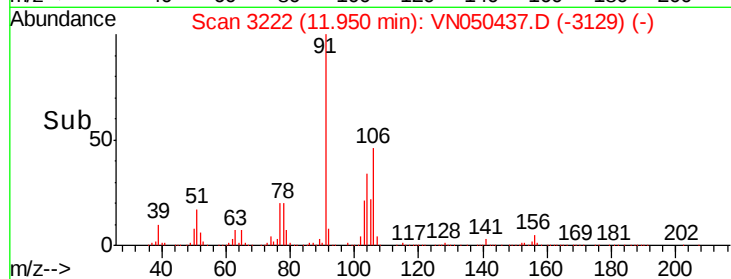
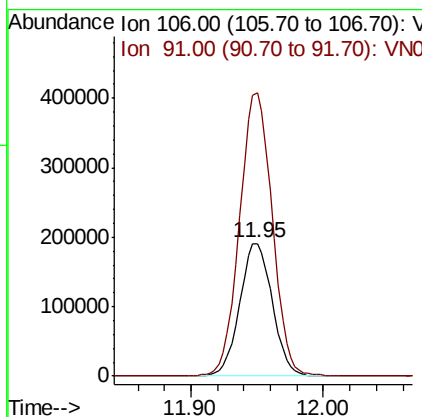
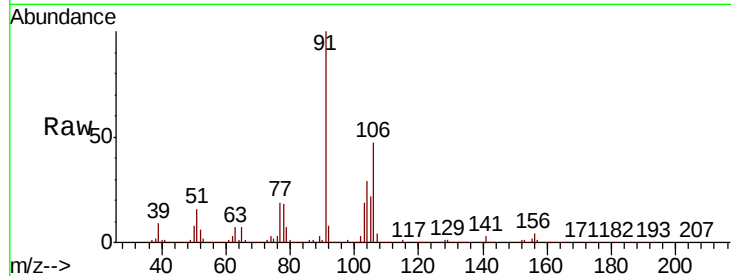
#69
o-Xylene
Concen: 20.95 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampled :
VN0807WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		323523		
91	213.8	107.7	323.1		

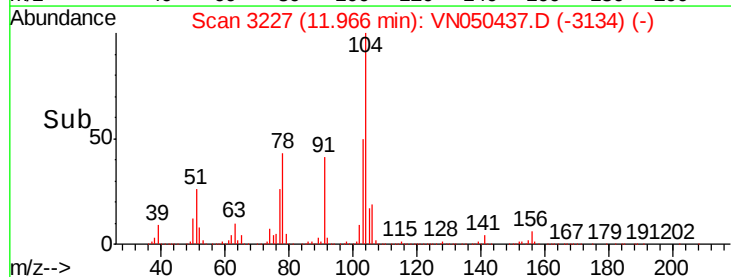
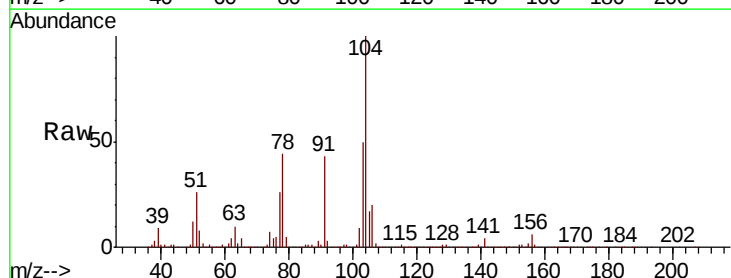
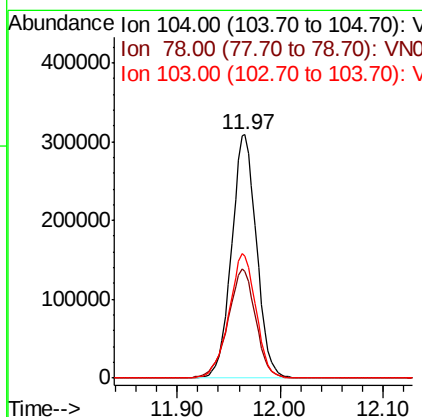
Manual Integrations
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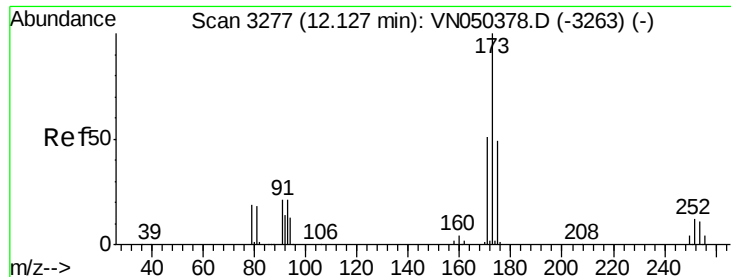
MMDadoda
8/8/2018 10:47:58 AM



#70
Styrene
Concen: 20.63 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		517939		
78	49.2	39.3	58.9		
103	55.0	45.0	67.6		





#71

Bromoform

Concen: 18.77 ug/l

RT: 12.13 min Scan# 3278

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion:173 Resp: 130048

Ion Ratio Lower Upper

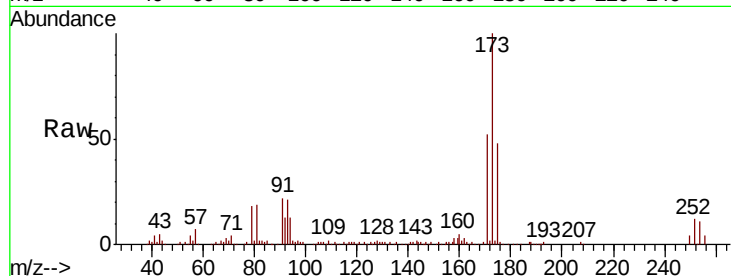
173 100

175 48.2 24.1 72.2

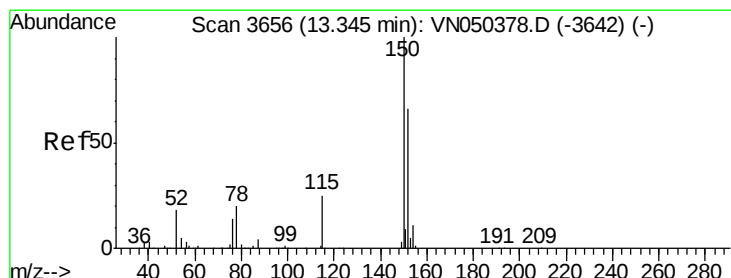
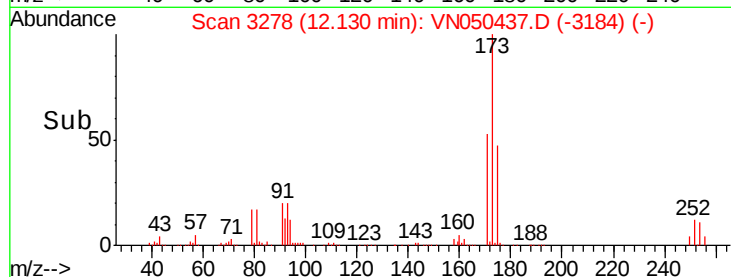
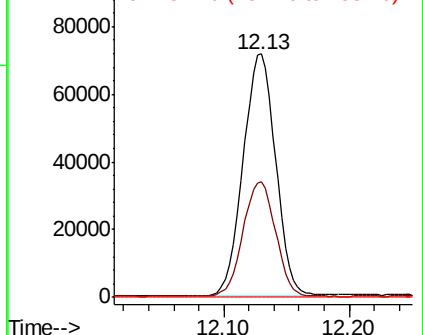
254 0.0 0.2 0.2#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

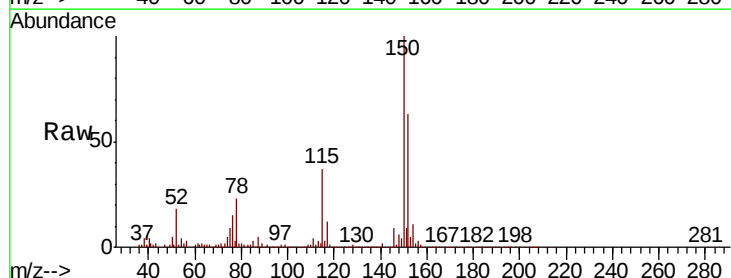
Tgt Ion:152 Resp: 519718

Ion Ratio Lower Upper

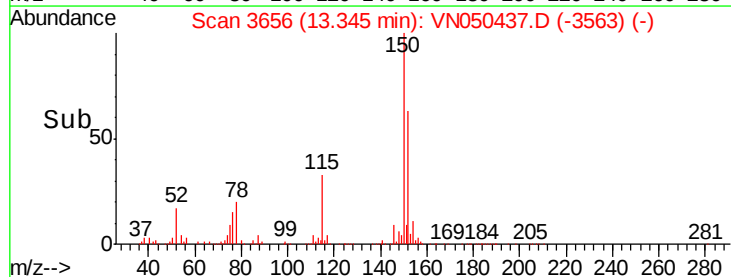
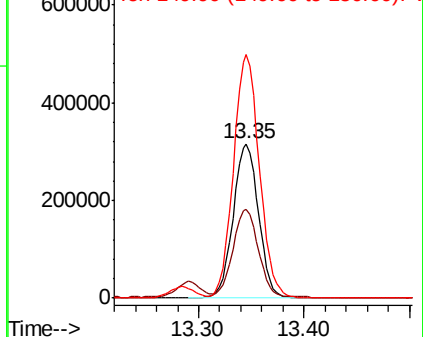
152 100

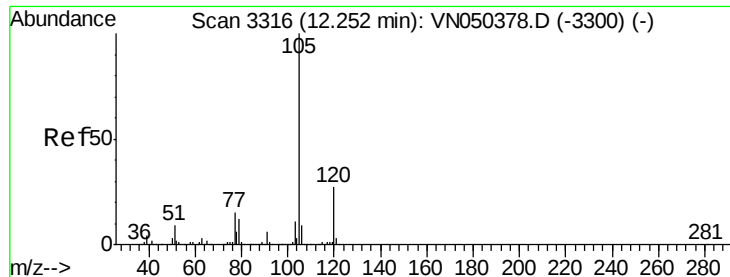
115 57.3 27.8 83.3

150 162.3 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: 21.67 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion:105 Resp: 845294

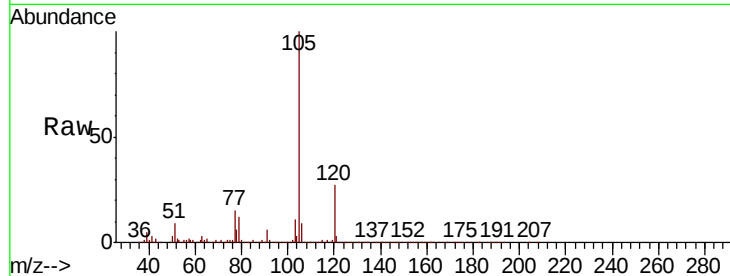
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

Manual Integrations
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8/8/2018 10:47:58 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

0

12.25

12.20

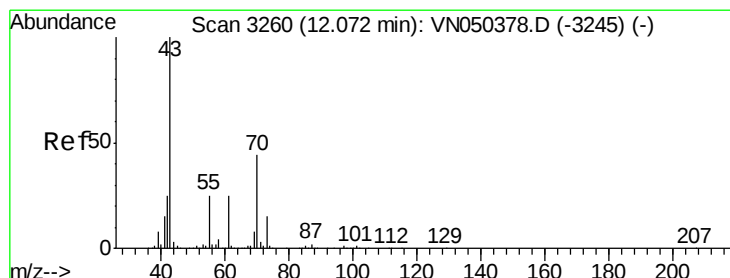
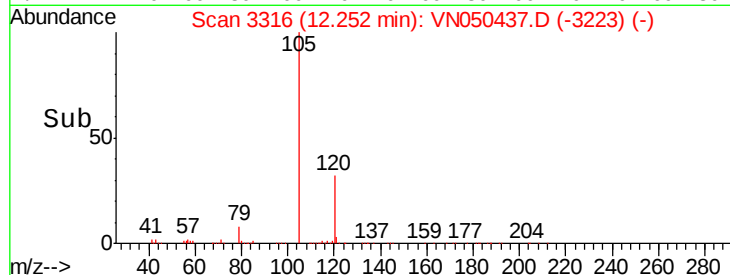
12.15

12.10

12.05

12.00

Time-->



#74

N-ethyl acetate

Concen: 20.87 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion: 43 Resp: 263913

Ion Ratio Lower Upper

43 100

70 45.2 34.4 51.6

55 25.3 20.8 31.2

61 25.2 19.7 29.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

250000

200000

150000

100000

50000

0

12.07

12.05

12.03

12.01

11.99

11.97

11.95

11.93

11.91

11.89

11.87

11.85

11.83

11.81

11.79

11.77

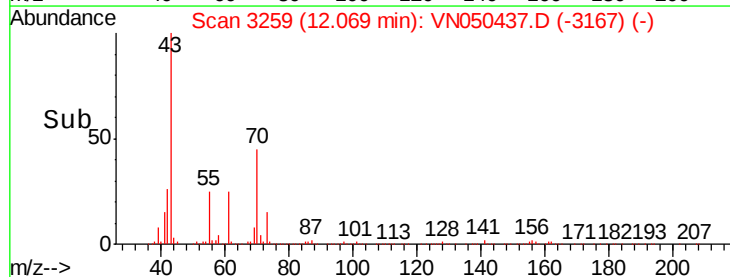
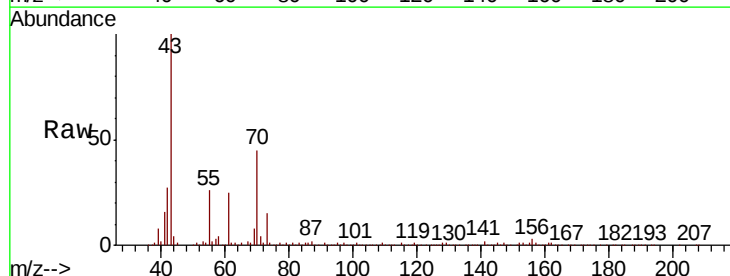
11.75

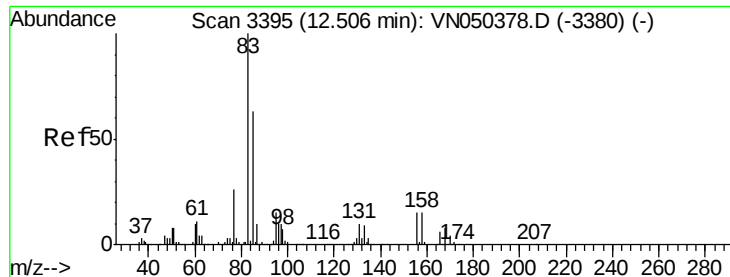
11.73

11.71

11.69

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.81 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

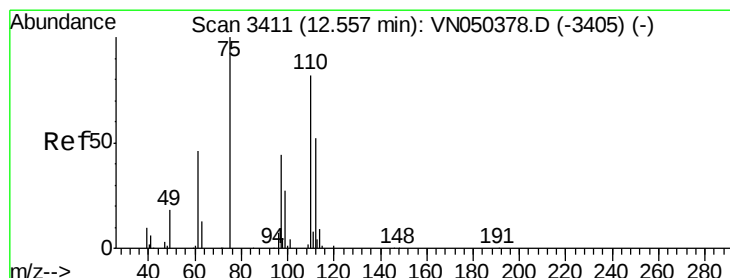
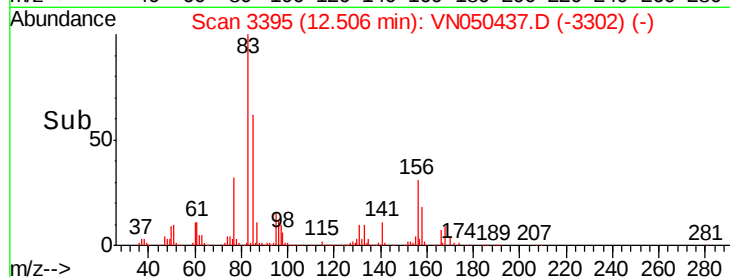
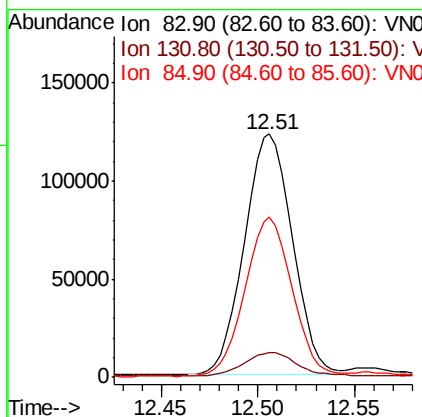
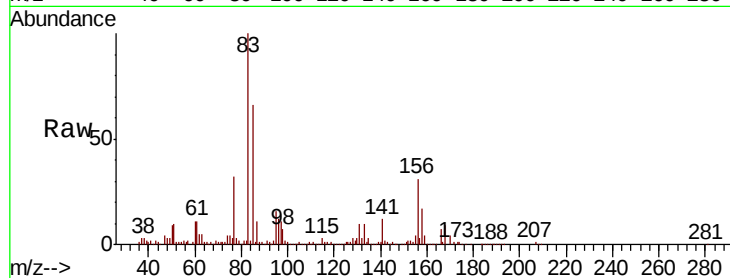
ClientSampleId :

VN0807WBSD01

Tot Ion:	83	Resp:	211694
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.1	15.3
85	64.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.49 ug/l m

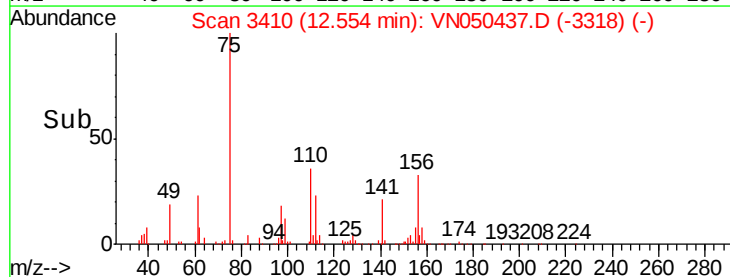
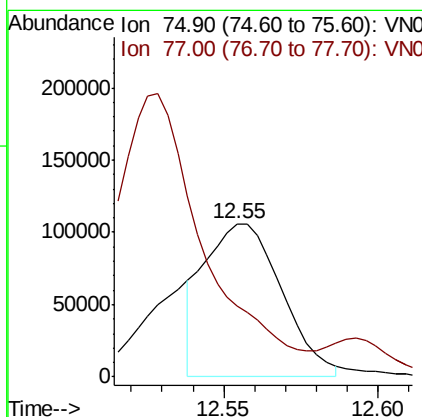
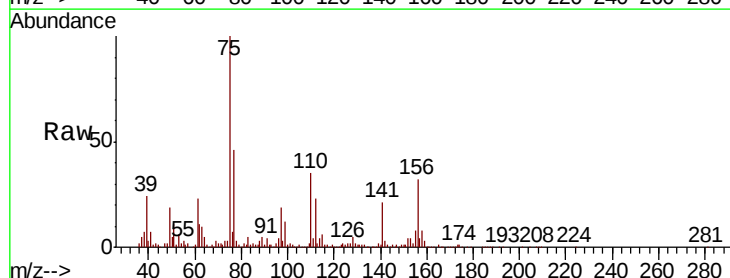
RT: 12.55 min Scan# 3410

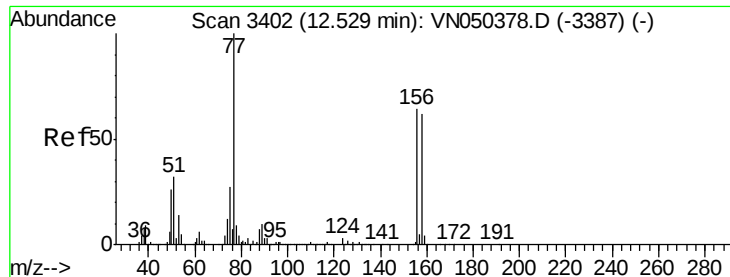
Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion:	75	Resp:	183382
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 37.27 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

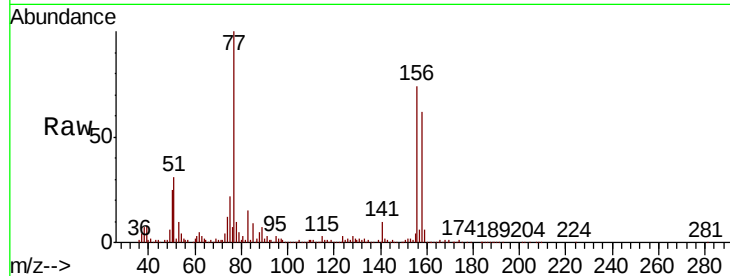
ClientSampled :

VN0807WBSD01

Tot Ion:	156	Resp:	389551
Ion Ratio	Lower	Upper	
156	100		
77	102.4	91.7	275.1
158	53.9	48.9	146.6

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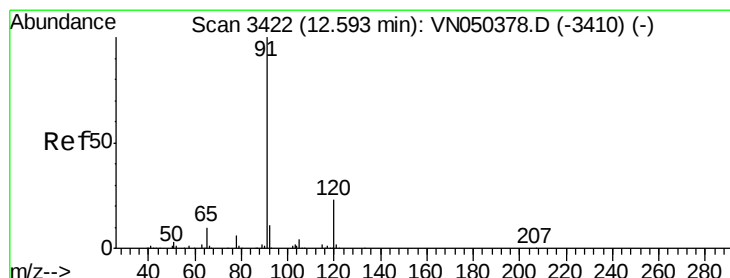
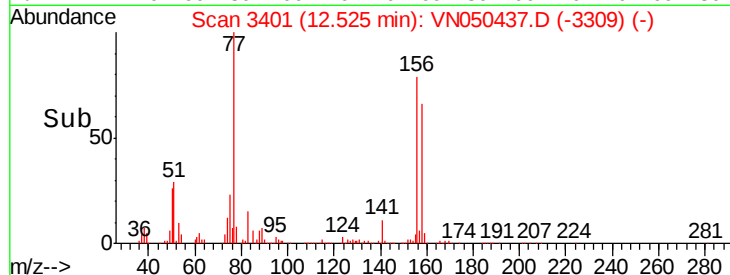
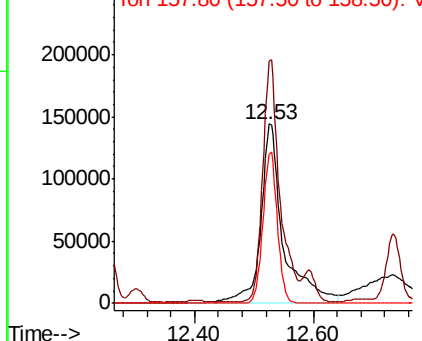
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.91 ug/l

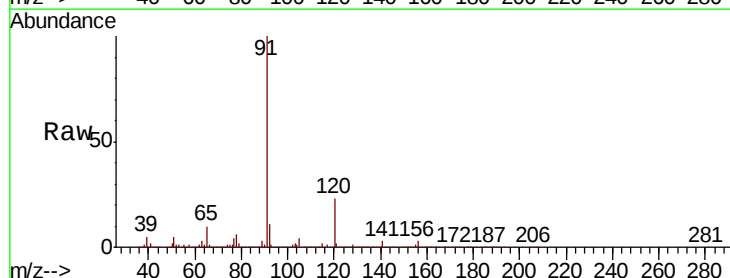
RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050437.D

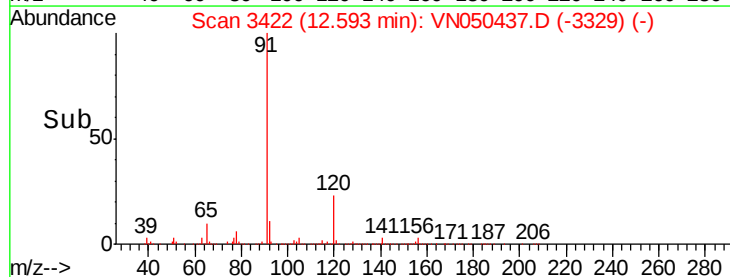
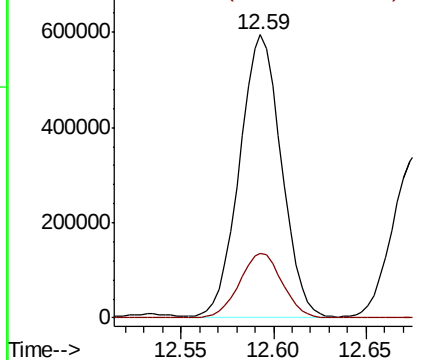
Acq: 7 Aug 2018 17:30

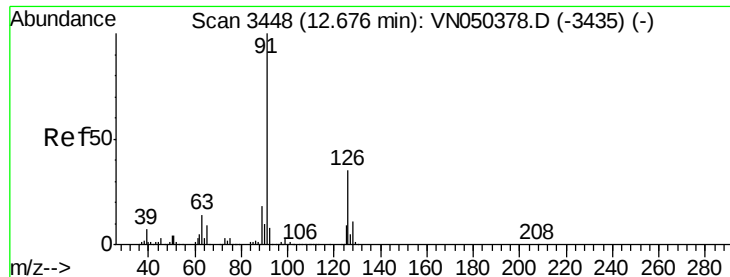
Tgt Ion:	91	Resp:	923588
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.6	34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.81 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion: 91 Resp: 567513

Ion Ratio Lower Upper

91 100

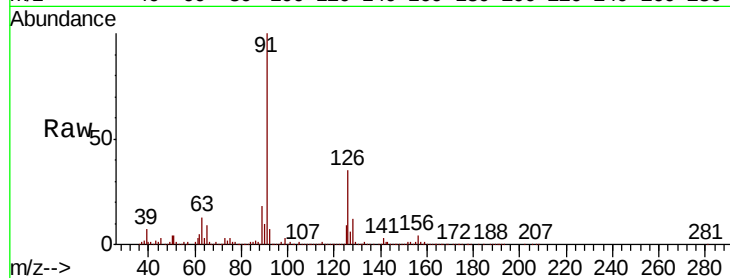
126 35.0 17.6 52.8

Manual Integrations

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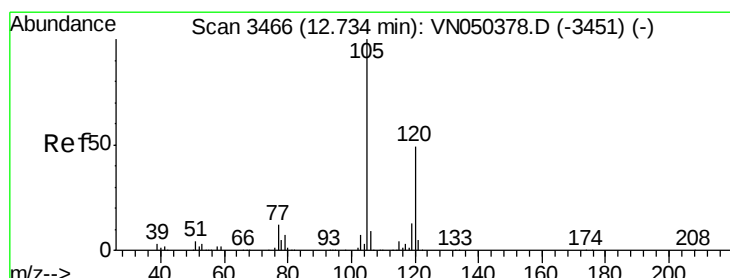
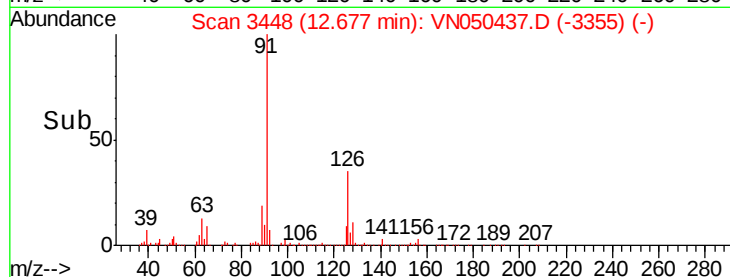
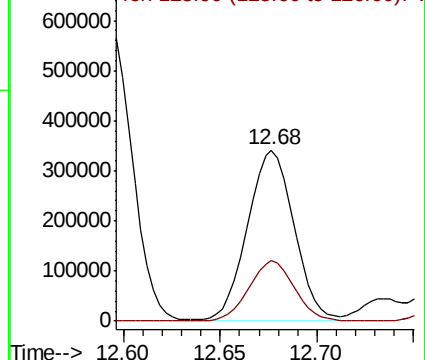
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Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 22.11 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050437.D

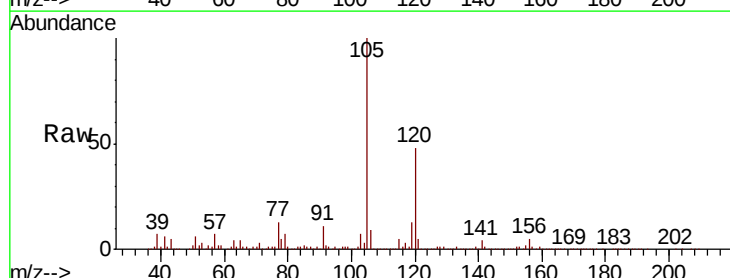
Acq: 7 Aug 2018 17:30

Tgt Ion:105 Resp: 700211

Ion Ratio Lower Upper

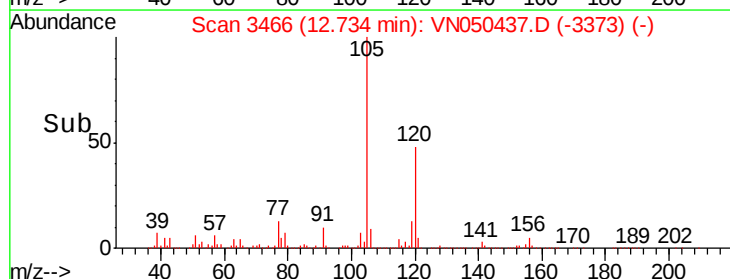
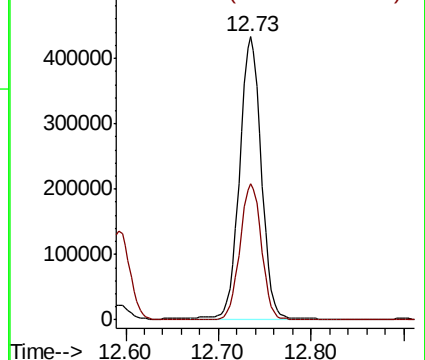
105 100

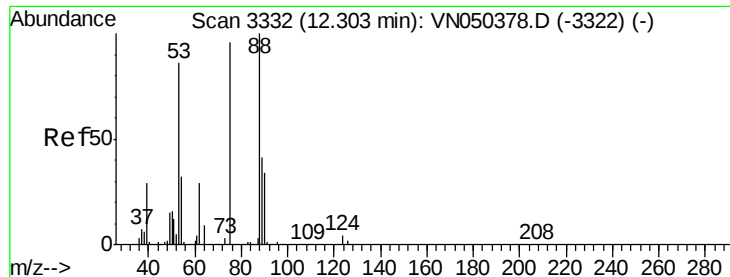
120 47.6 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.88 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampleId :

VN0807WBSD01

Tot Ion: 75 Resp: 53226

Ion Ratio Lower Upper

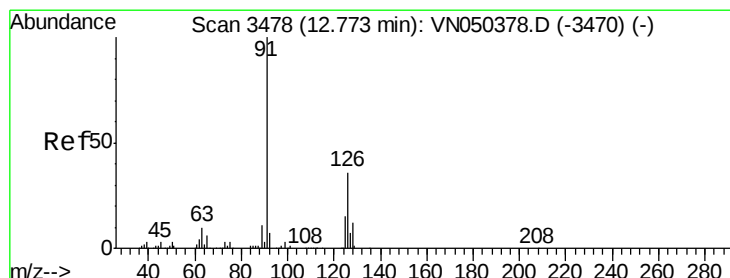
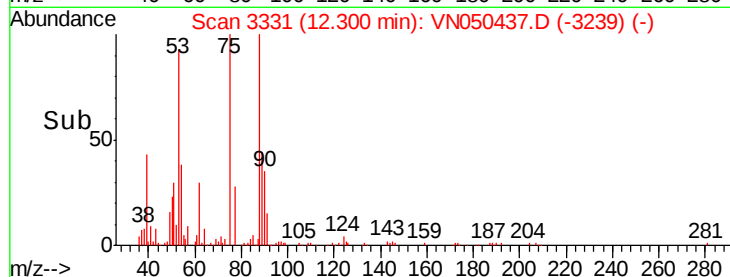
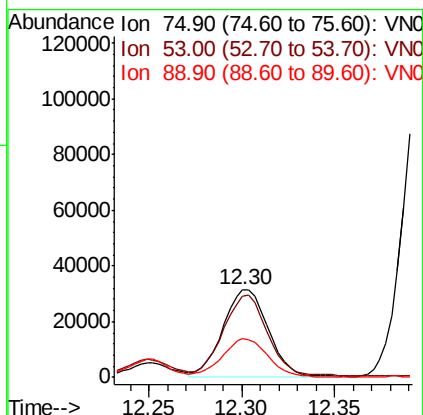
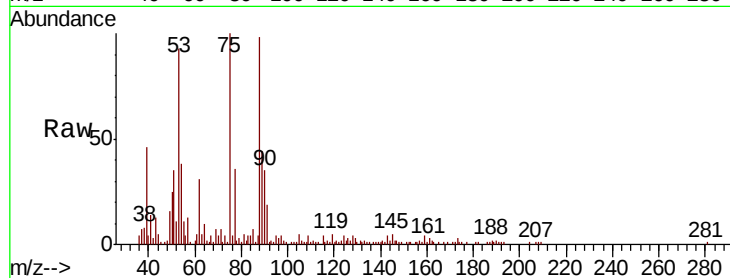
75 100

53 89.8 73.5 110.3

89 45.3 36.0 54.0

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.05 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050437.D

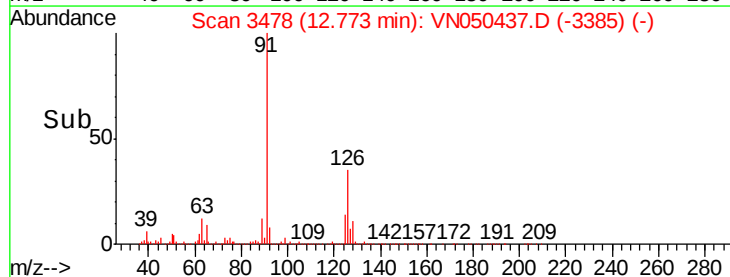
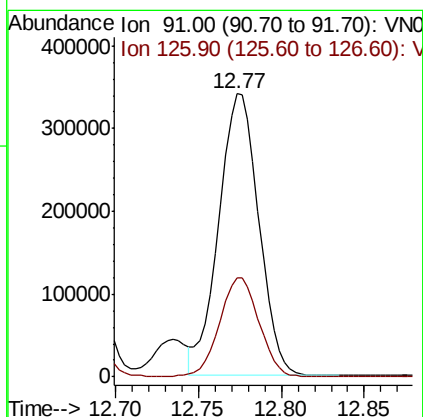
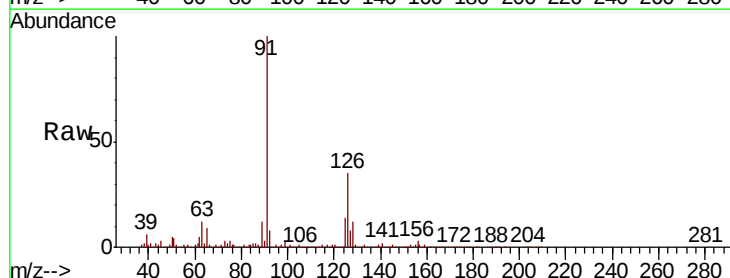
Acq: 7 Aug 2018 17:30

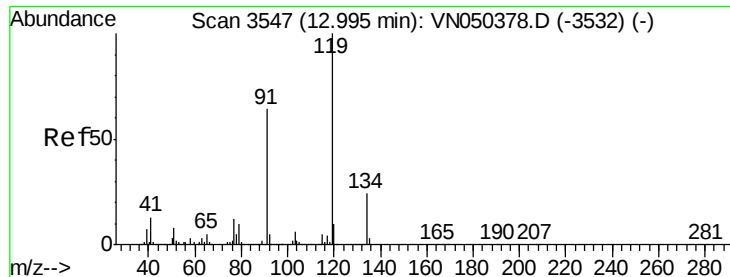
Tgt Ion: 91 Resp: 572515

Ion Ratio Lower Upper

91 100

126 34.5 17.0 51.0





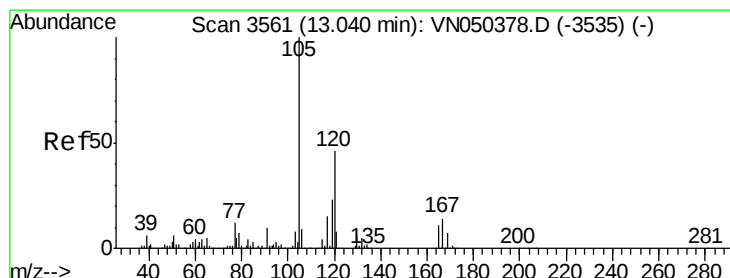
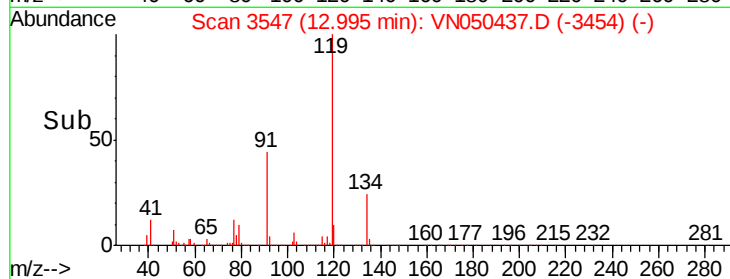
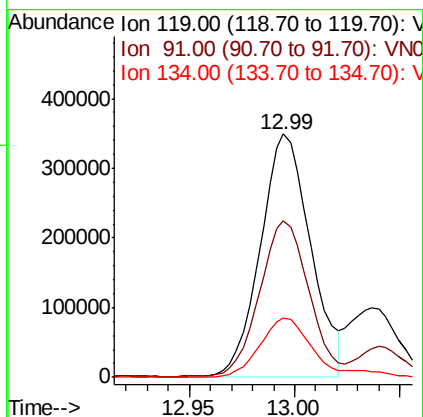
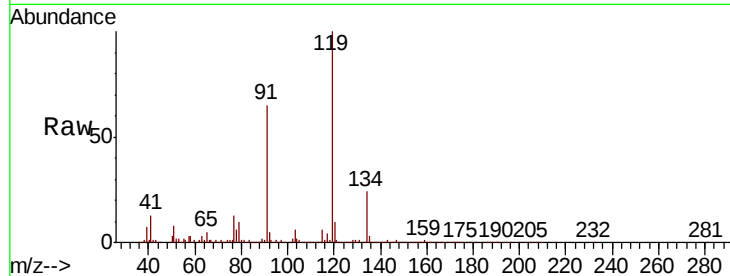
#83
tert-Butylbenzene
Concen: 20.83 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		575563		
91	63.1	32.1	96.3		
134	26.4	13.2	39.5		

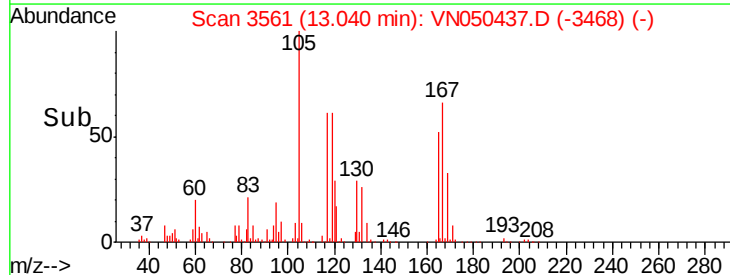
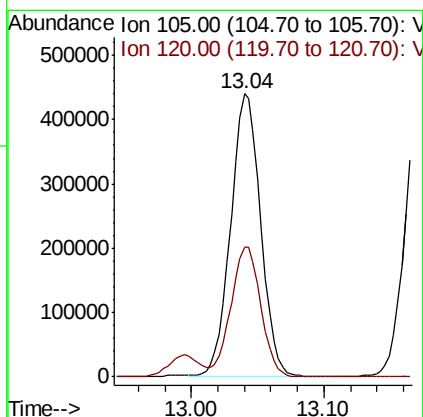
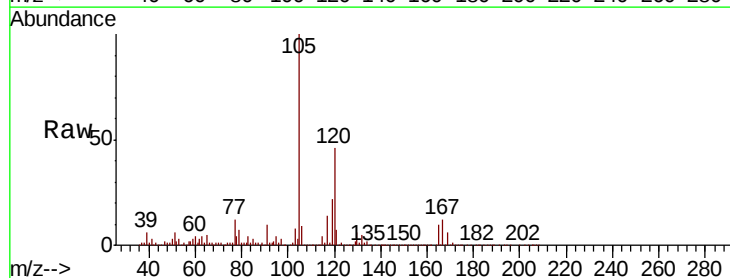
Manual Integrations
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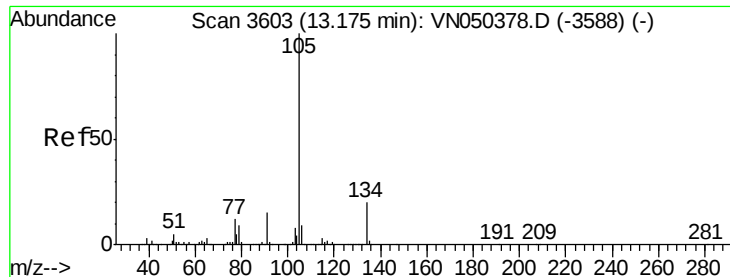
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#84
1,2,4-Trimethylbenzene
Concen: 21.34 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		684511		
120	45.9	22.9	68.7		





#85

sec-Butylbenzene

Concen: 20.08 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

ClientSampled :

VN0807WBSD01

Tot Ion:105 Resp: 739345

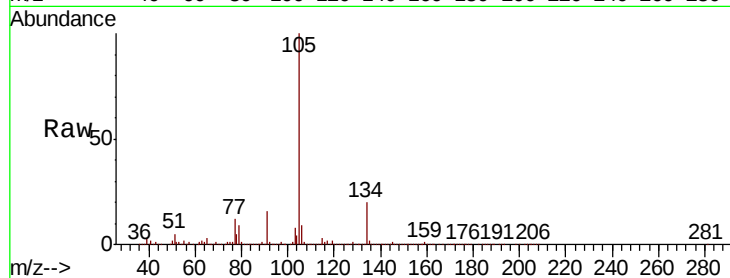
Ion Ratio Lower Upper

105 100

134 20.3 10.1 30.1

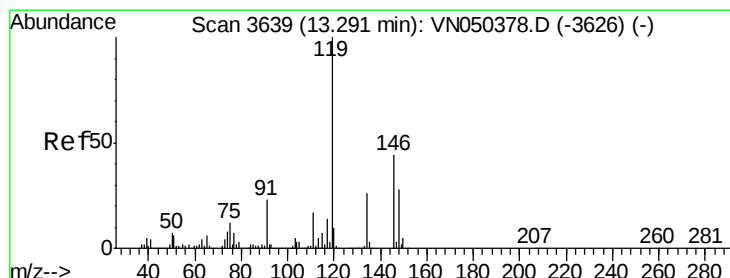
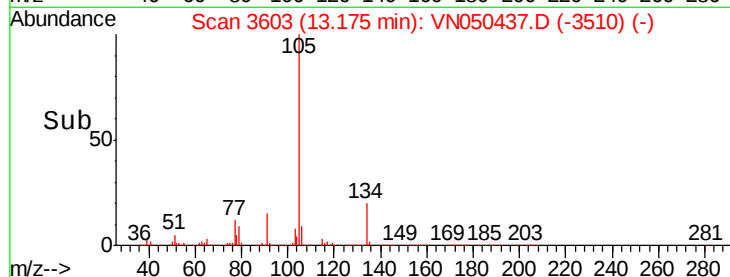
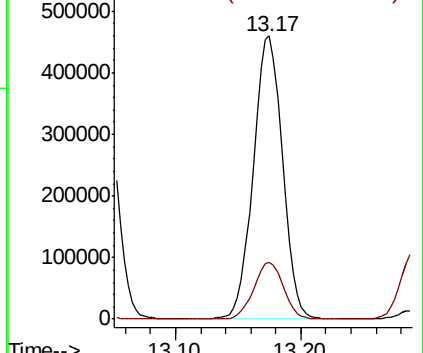
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.51 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

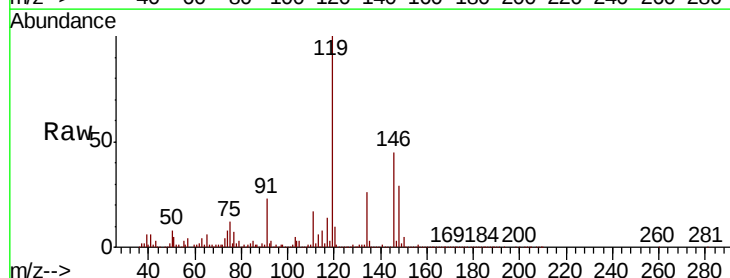
Tgt Ion:119 Resp: 647349

Ion Ratio Lower Upper

119 100

134 26.4 13.3 39.8

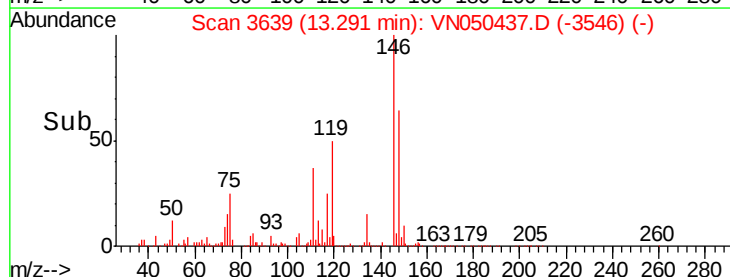
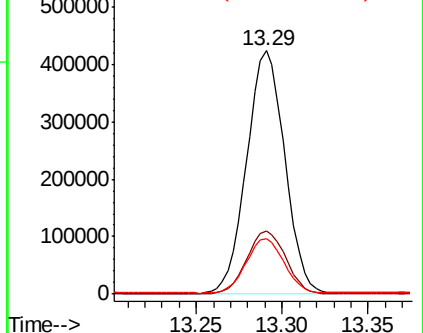
91 22.4 11.4 34.2

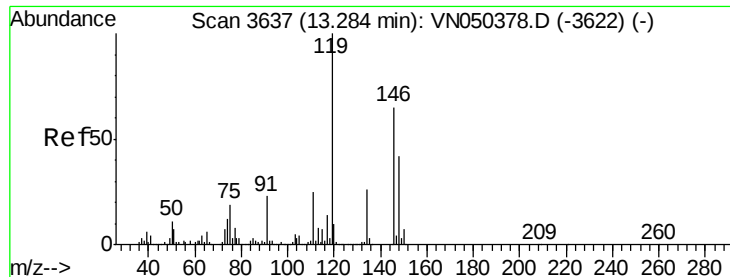


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





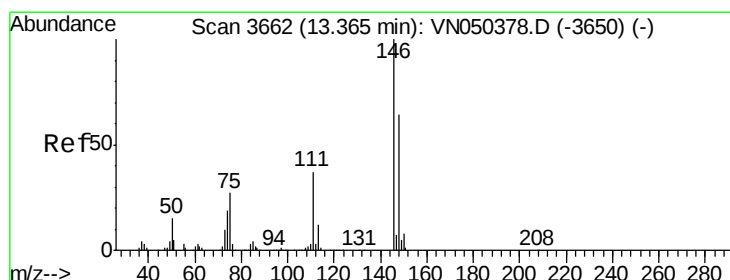
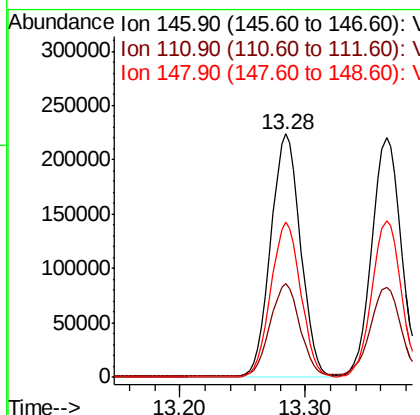
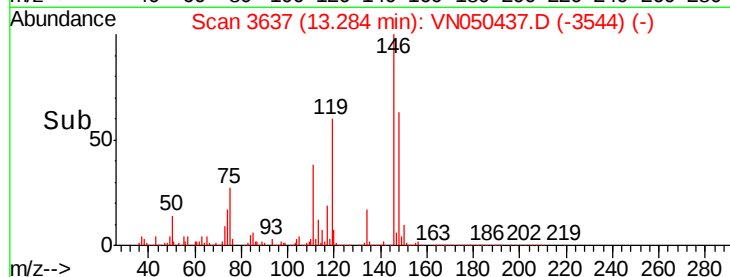
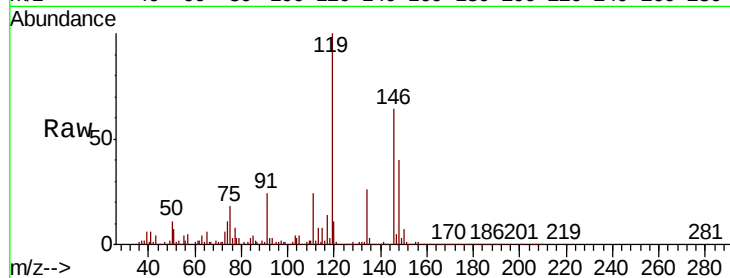
#87
 1,3-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	63.8	31.9	95.9

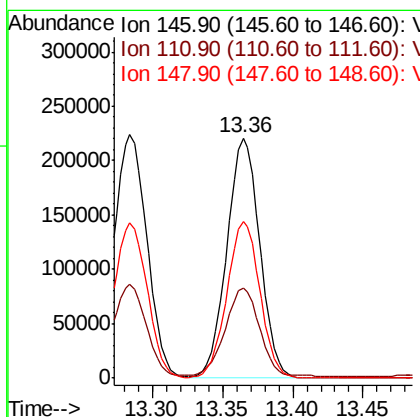
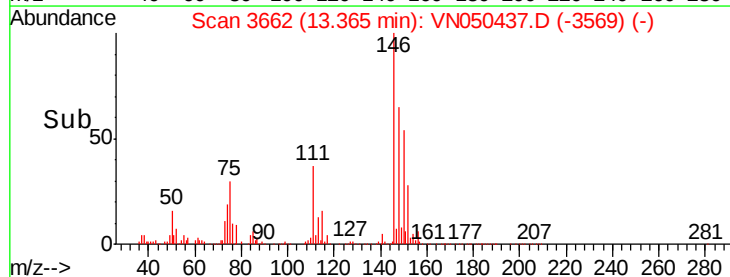
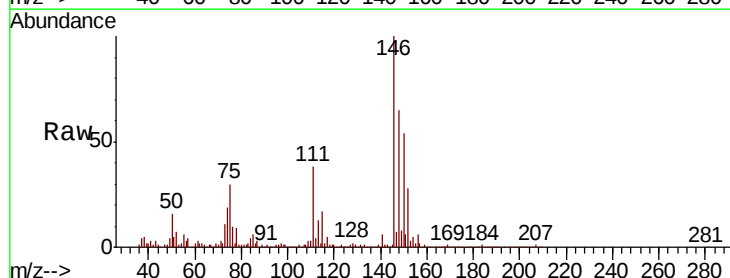
Manual Integrations
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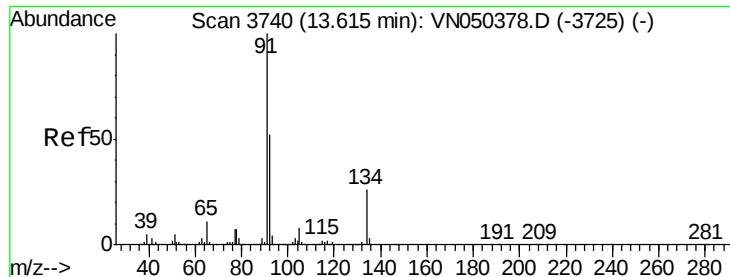
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#88
 1,4-Dichlorobenzene
 Concen: 19.34 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.3	54.9
148	65.4	31.9	95.9





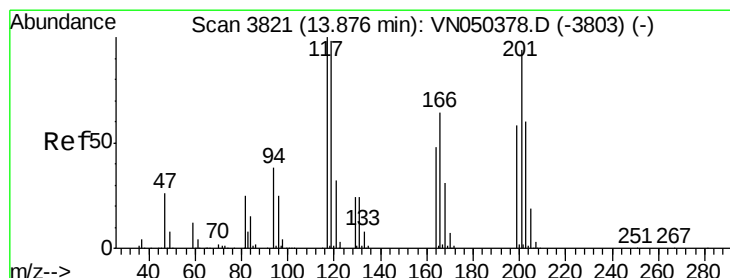
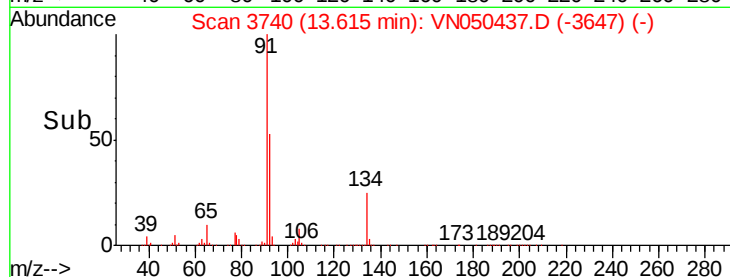
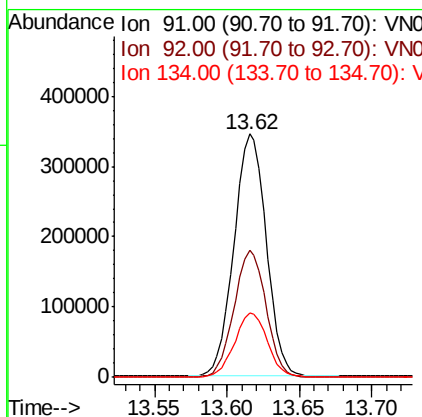
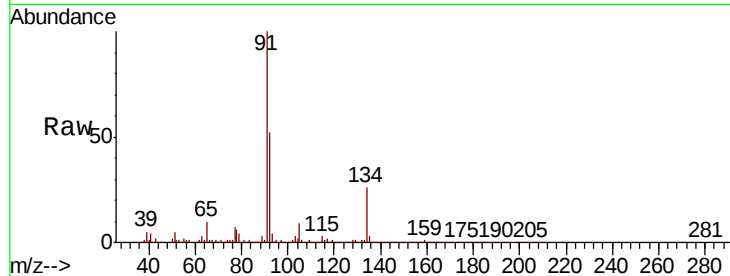
#89
n-Butylbenzene
Concen: 19.85 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	25.8	77.4
134	26.7	12.8	38.4

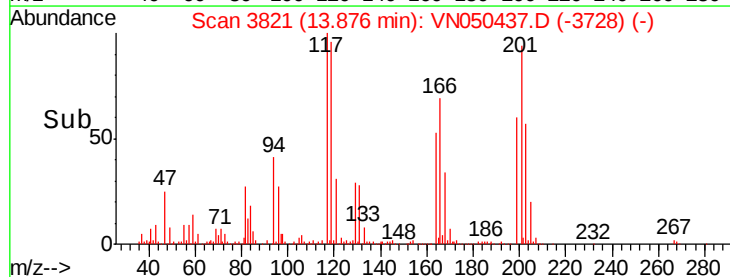
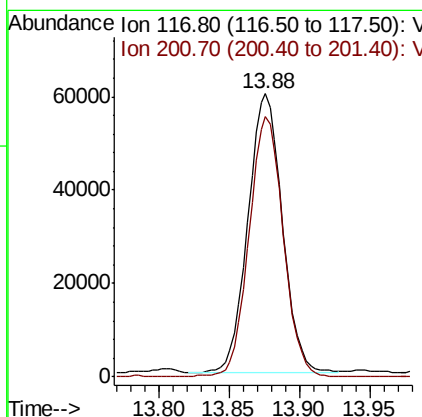
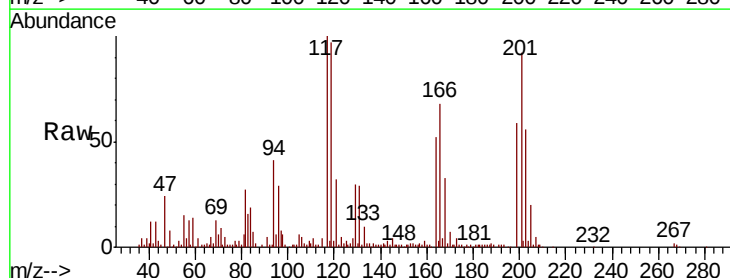
Manual Integrations
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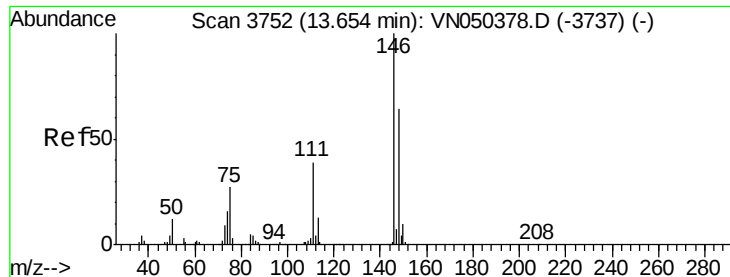
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#90
Hexachloroethane
Concen: 18.21 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050437.D
Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.9	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 19.55 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

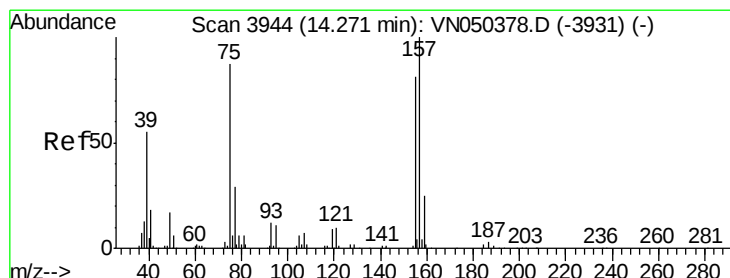
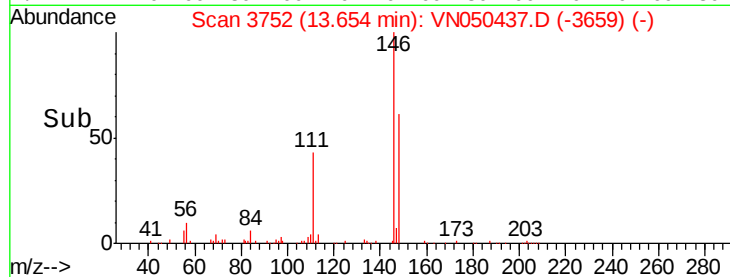
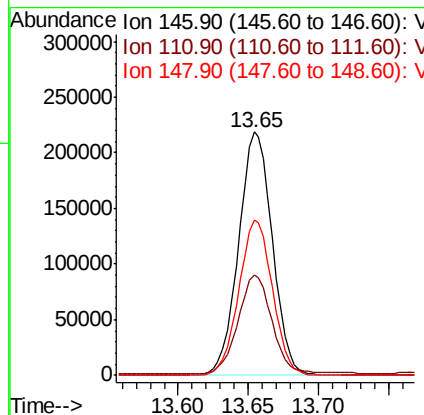
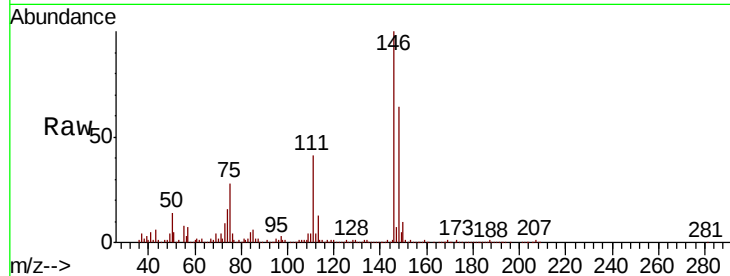
ClientSampleId :

VN0807WBSD01

Tot Ion:	146	Resp:	364842
Ion Ratio	Lower	Upper	
146	100		
111	41.5	19.6	58.7
148	63.7	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 18.34 ug/l

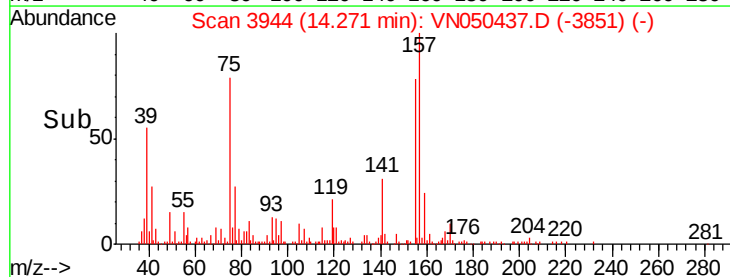
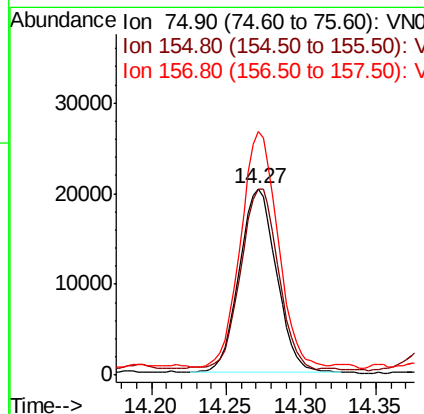
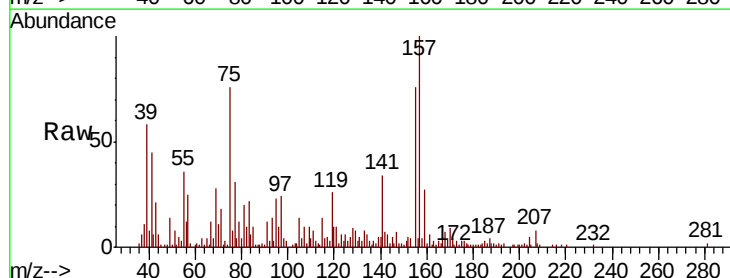
RT: 14.27 min Scan# 3944

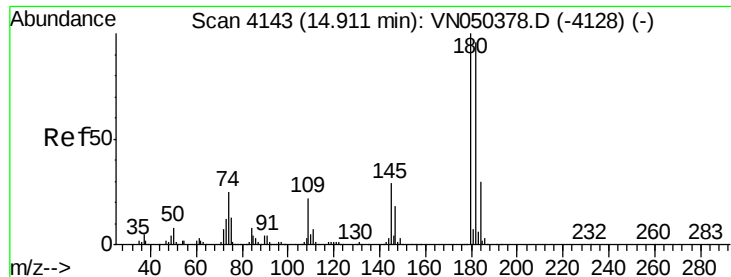
Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion:	75	Resp:	35059
Ion Ratio	Lower	Upper	
75	100		
155	98.7	44.8	134.4
157	127.4	57.2	171.6





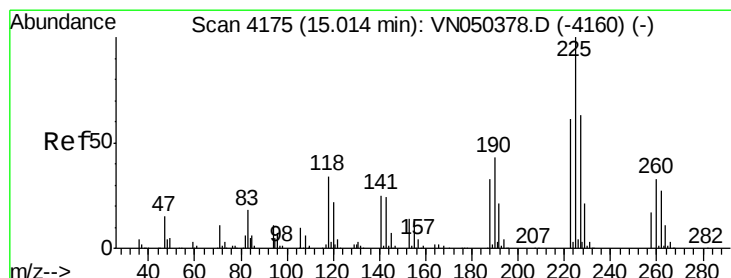
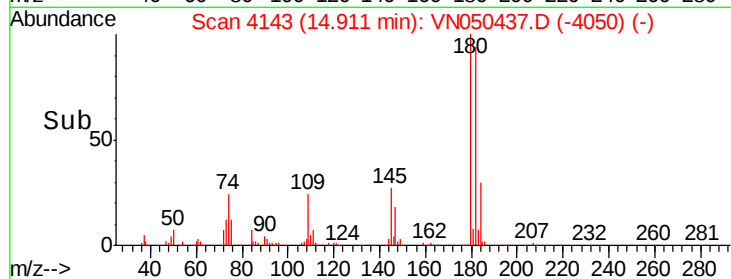
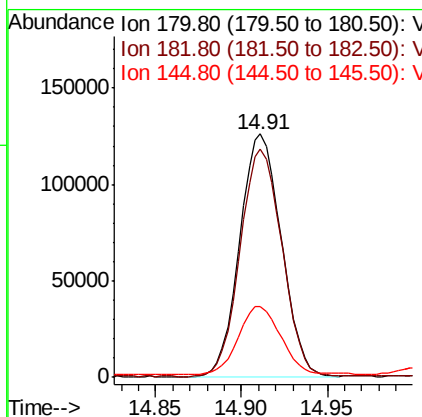
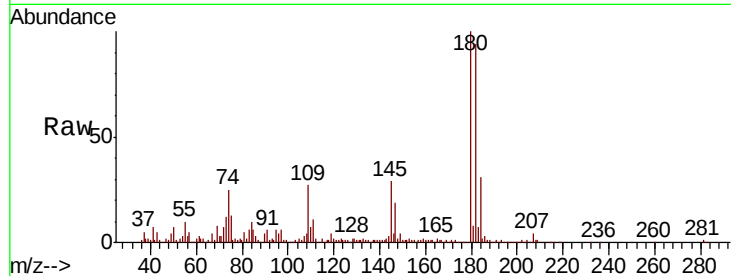
#93
 1,2,4-Trichlorobenzene
 Concen: 22.21 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Instrument :
 MSVOA_N
 ClientSampled :
 VN0807WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	211114		
182	94.4	46.7	140.1	
145	28.6	13.8	41.4	

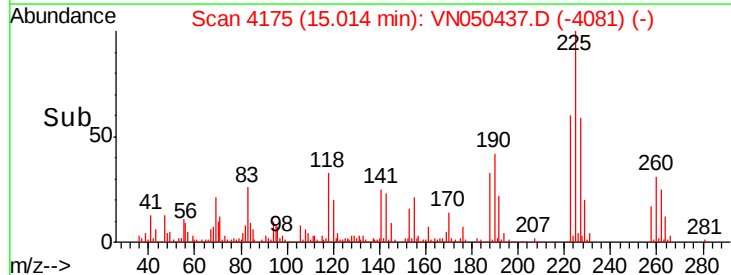
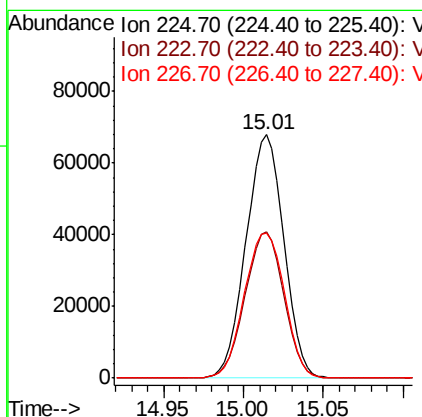
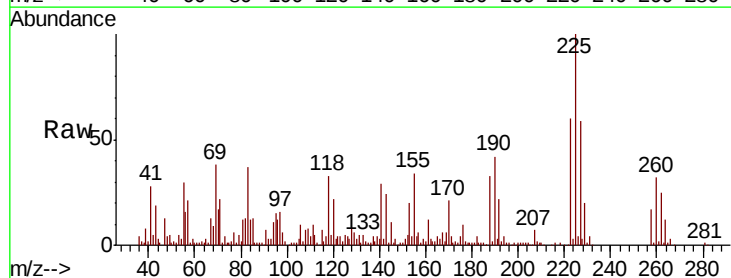
Manual Integrations
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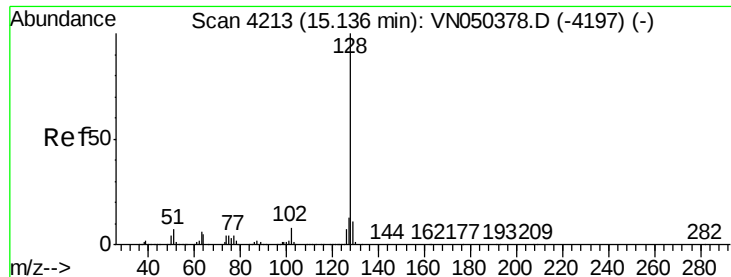
MMDadoda
 8/8/2018 10:47:58 AM



#94
 Hexachlorobutadiene
 Concen: 20.31 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN050437.D
 Acq: 7 Aug 2018 17:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	110514		
223	61.4	31.4	94.2	
227	63.2	32.1	96.5	





#95

Naphthalene

Concen: 25.36 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Instrument :

MSVOA_N

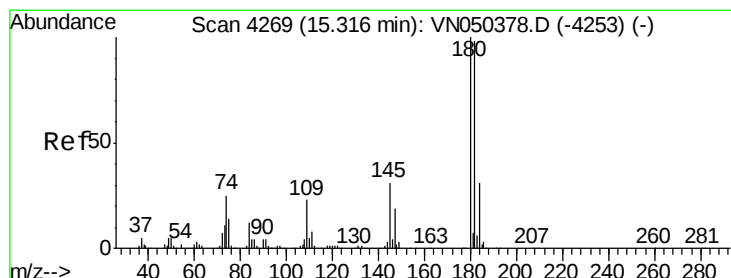
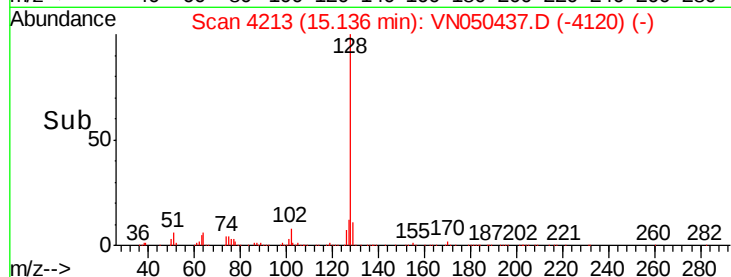
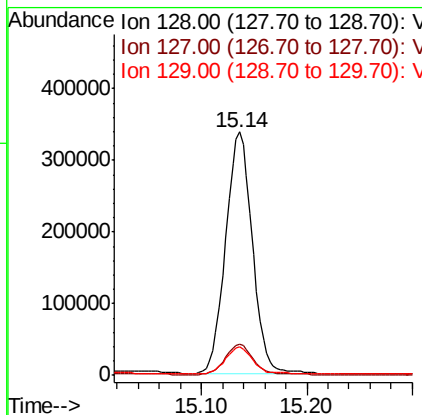
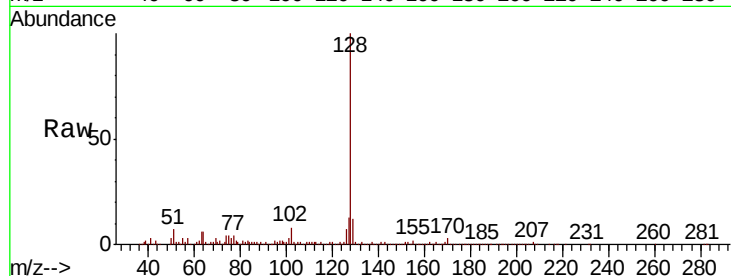
ClientSampled :

VN0807WBSD01

Tot Ion:	128	Resp:	589756
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.4	15.6
129	11.3	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 21.81 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050437.D

Acq: 7 Aug 2018 17:30

Tgt Ion:	180	Resp:	209581
Ion Ratio	Lower	Upper	
180	100		
182	95.8	48.1	144.4
145	33.6	15.3	45.9

