

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081018\
 Data File : VN050509.D
 Acq On : 10 Aug 2018 11:39
 Operator : MD\SY
 Sample : VN0810WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Manual Integrations
 APPROVED

MMDadoda
 8/13/2018 11:05:30 AM

Quant Time: Aug 10 23:37:31 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	812962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1168035	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1036612	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	522728	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	489206	45.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.08%	
35) Dibromofluoromethane	7.59	113	457925	48.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.72%	
50) Toluene-d8	10.09	98	1672086	47.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.90%	
62) 4-Bromofluorobenzene	12.40	95	548348	45.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	159638	17.69	ug/l	99
3) Chloromethane	2.06	50	186694	16.53	ug/l	99
4) Vinyl Chloride	2.18	62	205551	17.60	ug/l	99
5) Bromomethane	2.57	94	109597	19.46	ug/l	99
6) Chloroethane	2.70	64	125678	17.46	ug/l	99
7) Trichlorofluoromethane	3.01	101	283905	18.82	ug/l	99
8) Diethyl Ether	3.41	74	96776	17.49	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	179469	19.25	ug/l	99
10) Methyl Iodide	3.95	142	84097	20.47	ug/l	98
11) Tert butyl alcohol	4.80	59	55196	63.26	ug/l	98
12) 1,1-Dichloroethene	3.74	96	155909	17.74	ug/l	98
13) Acrolein	3.61	56	42768	50.44	ug/l	98
14) Allyl chloride	4.32	41	241419	17.10	ug/l	98
15) Acrylonitrile	4.99	53	269655	73.78	ug/l	99
16) Acetone	3.82	43	249076	76.64	ug/l	99
17) Carbon Disulfide	4.05	76	453331	15.86	ug/l	100
18) Methyl Acetate	4.33	43	138610	16.34	ug/l	97
19) Methyl tert-butyl Ether	5.05	73	427104	17.12	ug/l	100
20) Methylene Chloride	4.55	84	181111	17.27	ug/l	99
21) trans-1,2-Dichloroethene	5.04	96	168707	17.74	ug/l	99
22) Diisopropyl ether	5.95	45	532271	18.46	ug/l	96
23) Vinyl Acetate	5.90	43	1714466	83.34	ug/l	100
24) 1,1-Dichloroethane	5.85	63	321559	18.18	ug/l	99
25) 2-Butanone	6.84	43	396978	73.75	ug/l	97
26) 2,2-Dichloropropane	6.83	77	269054	18.45	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	193596	18.36	ug/l	99
28) Bromochloromethane	7.20	49	141390	17.36	ug/l	97
29) Tetrahydrofuran	7.22	42	206074	71.53	ug/l	99
30) Chloroform	7.37	83	329573	18.63	ug/l	99
31) Cyclohexane	7.66	56	280365	17.60	ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	282712	18.61	ug/l	99
36) 1,1-Dichloropropene	7.79	75	242324	18.88	ug/l	100
37) Ethyl Acetate	6.93	43	148629	16.08	ug/l	97
38) Carbon Tetrachloride	7.78	117	246399	18.40	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	257155	18.36	ug/l	98
40) Benzene	8.04	78	738254	18.71	ug/l	100
41) Methacrylonitrile	7.18	41	63279	12.88	ug/l	96
42) 1,2-Dichloroethane	8.13	62	233117	18.61	ug/l	98
43) Isopropyl Acetate	8.17	43	253649	15.90	ug/l #	85
44) Trichloroethene	8.84	130	198809	18.75	ug/l	96
45) 1,2-Dichloropropane	9.12	63	194729	18.77	ug/l	100
46) Dibromomethane	9.21	93	115732	18.07	ug/l	98
47) Bromodichloromethane	9.40	83	245112	18.47	ug/l	98
48) Methyl methacrylate	9.20	41	125122	15.65	ug/l	99
49) 1,4-Dioxane	9.20	88	33429	271.21	ug/l	97
51) 4-Methyl-2-Pentanone	9.99	43	876985	76.33	ug/l	100
52) Toluene	10.16	92	452782	19.10	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	236199	17.73	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	278376	18.72	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	165156	17.85	ug/l	98
56) Ethyl methacrylate	10.43	69	194631	16.07	ug/l	98
57) 1,3-Dichloropropane	10.71	76	271598	17.88	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	345217	62.28	ug/l	99
59) 2-Hexanone	10.75	43	575933	71.82	ug/l	99
60) Dibromochloromethane	10.90	129	182998	17.95	ug/l	98
61) 1,2-Dibromoethane	11.01	107	157243	17.24	ug/l	100
64) Tetrachloroethene	10.63	164	184588	19.06	ug/l	98
65) Chlorobenzene	11.44	112	491111	18.90	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	183559	19.41	ug/l	99
67) Ethyl Benzene	11.51	91	808115	19.24	ug/l	100
68) m/p-Xylenes	11.62	106	638138	39.90	ug/l	98
69) o-Xylene	11.95	106	296834	19.27	ug/l	100
70) Styrene	11.97	104	485099	19.36	ug/l	99
71) Bromoform	12.13	173	121050	17.51	ug/l #	99
73) Isopropylbenzene	12.25	105	794937	20.26	ug/l	100
74) N-amyl acetate	12.07	43	198351	15.59	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	192615	17.01	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	157224m	16.62	ug/l	
77) Bromobenzene	12.53	156	207710	19.76	ug/l	97
78) n-propylbenzene	12.59	91	907186	20.42	ug/l	100
79) 2-Chlorotoluene	12.68	91	544328	19.84	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	654784	20.56	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	44226	16.42	ug/l	96
82) 4-Chlorotoluene	12.77	91	549169	20.07	ug/l	99
83) tert-Butylbenzene	12.99	119	560964	20.19	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	670334	20.77	ug/l	100
85) sec-Butylbenzene	13.17	105	742745	20.05	ug/l	99
86) p-Isopropyltoluene	13.29	119	639868	20.16	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	358161	19.13	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	352729	18.87	ug/l	99
89) n-Butylbenzene	13.62	91	502884	18.61	ug/l	99
90) Hexachloroethane	13.88	117	111721	19.79	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	346562	18.47	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	26989	14.04	ug/l	95

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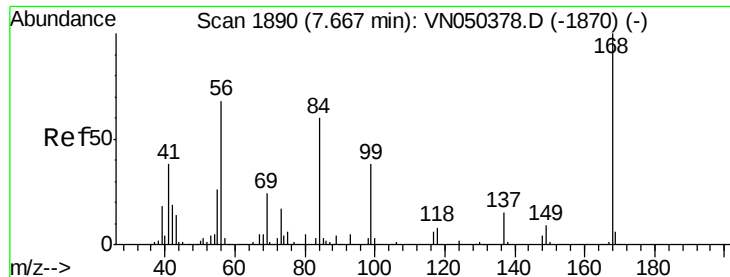
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	162452	16.99	ug/l	97
94) Hexachlorobutadiene	15.01	225	114259	20.92	ug/l	99
95) Naphthalene	15.13	128	314316	15.14	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	159644	16.52	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion:168 Resp: 812962

Ion Ratio Lower Upper

168 100

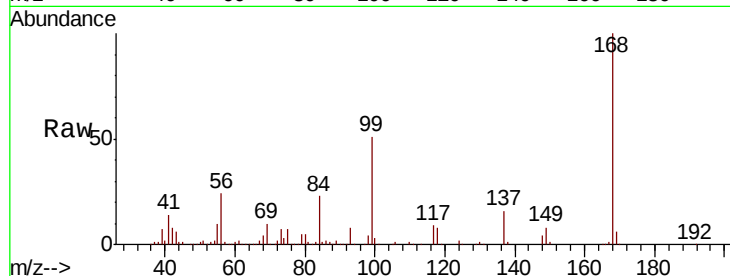
99 50.8 40.0 60.0

Manual Integrations

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8/13/2018 11:05:30 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

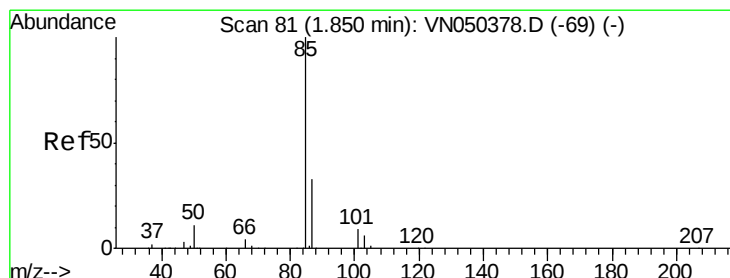
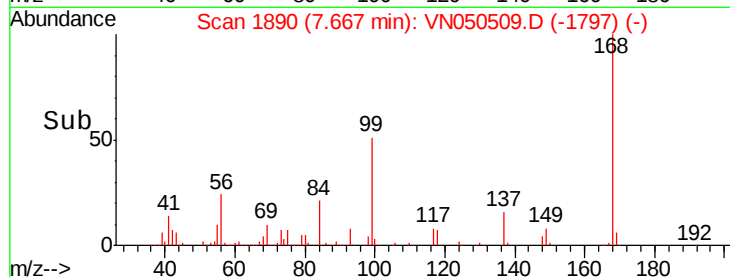
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.69 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050509.D

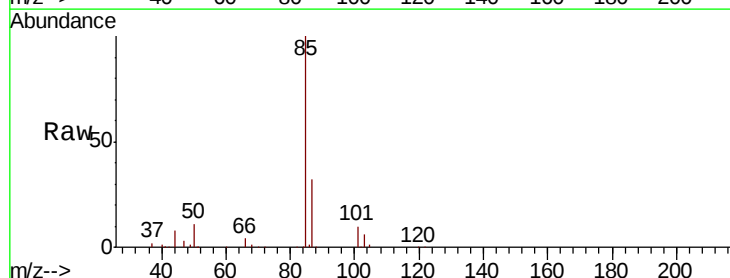
Acq: 10 Aug 2018 11:39

Tgt Ion: 85 Resp: 159638

Ion Ratio Lower Upper

85 100

87 31.7 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

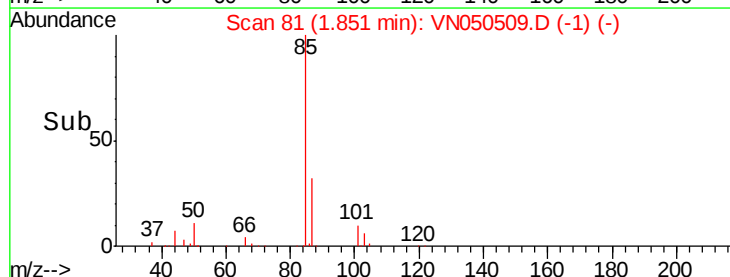
1.85

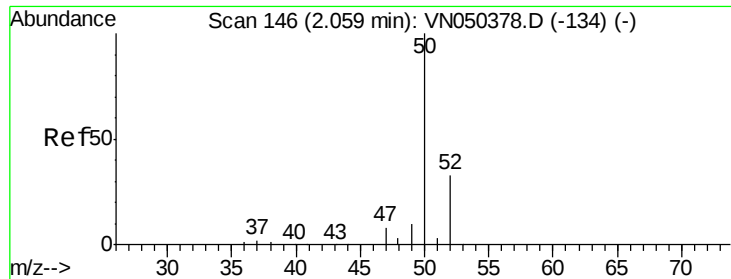
100000

50000

0

Time-->





#3

Chloromethane

Concen: 16.53 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 50 Resp: 186694

Ion Ratio Lower Upper

50 100

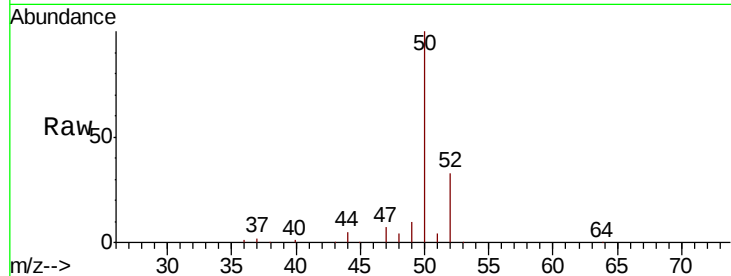
52 33.2 25.9 38.9

Manual Integrations

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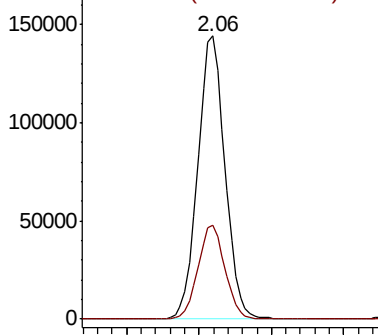
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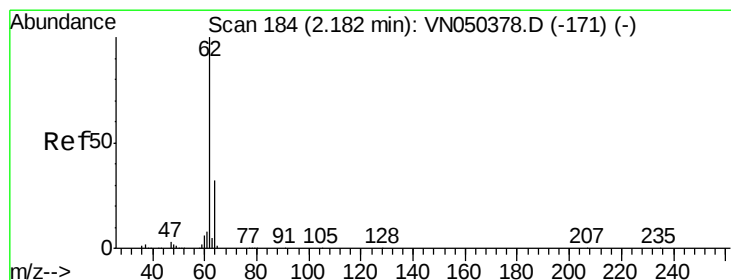
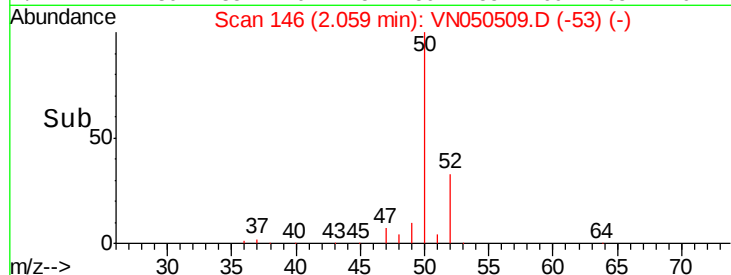


Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->



#4

Vinyl Chloride

Concen: 17.60 ug/l

RT: 2.18 min Scan# 185

Delta R.T. 0.00 min

Lab File: VN050509.D

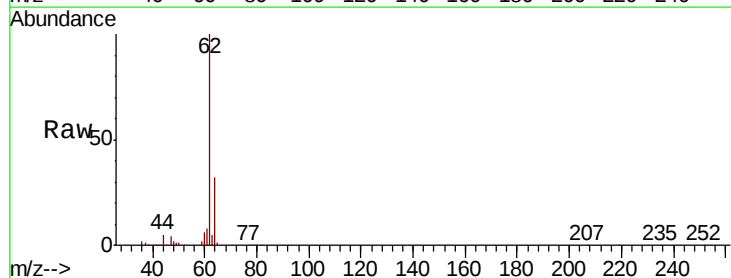
Acq: 10 Aug 2018 11:39

Tgt Ion: 62 Resp: 205551

Ion Ratio Lower Upper

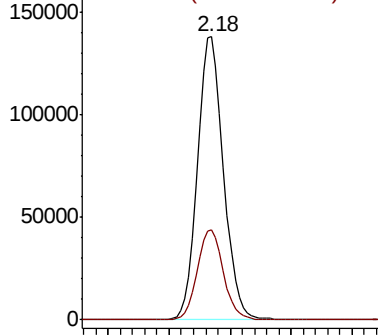
62 100

64 31.6 24.7 37.1

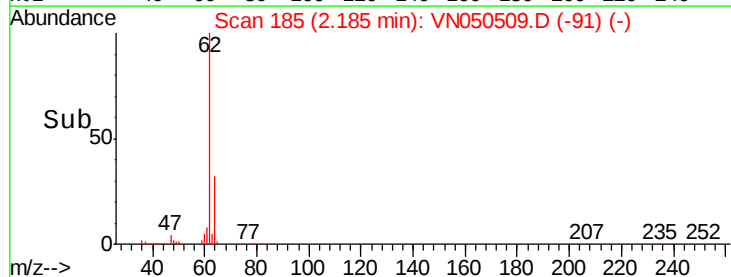


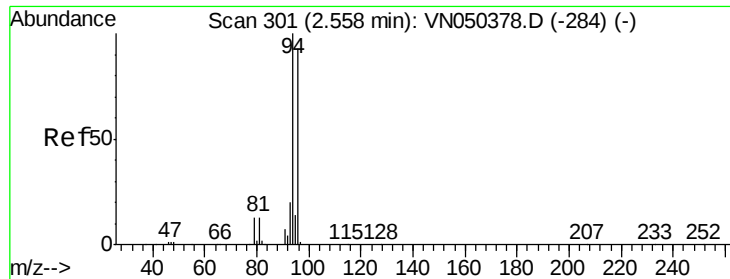
Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



Time-->





#5

Bromomethane

Concen: 19.46 ug/l

RT: 2.57 min Scan# 304

Delta R.T. 0.01 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

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VN0810WBS01

Tot Ion: 94 Resp: 109597

Ion Ratio Lower Upper

94 100

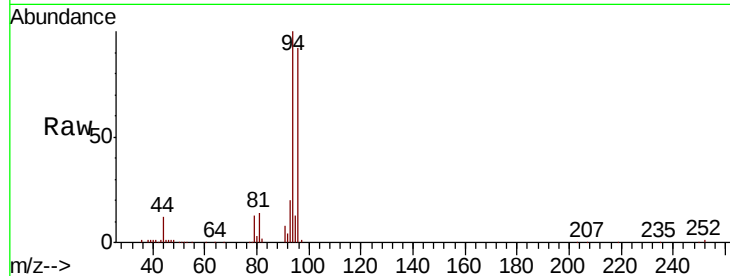
96 92.1 74.6 112.0

Manual Integrations

APPROVED

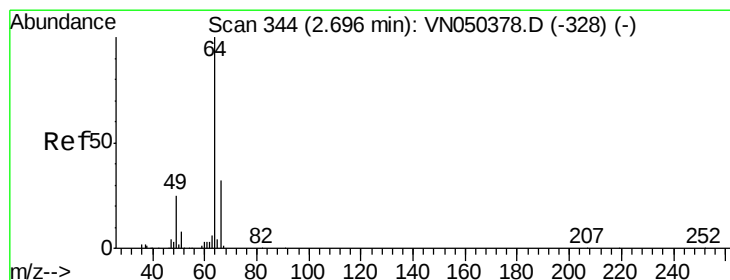
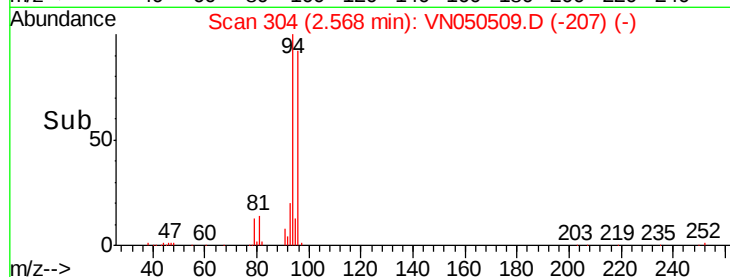
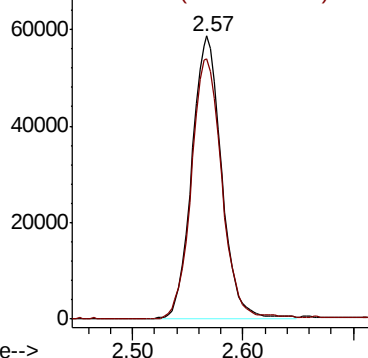
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 17.46 ug/l

RT: 2.70 min Scan# 346

Delta R.T. 0.01 min

Lab File: VN050509.D

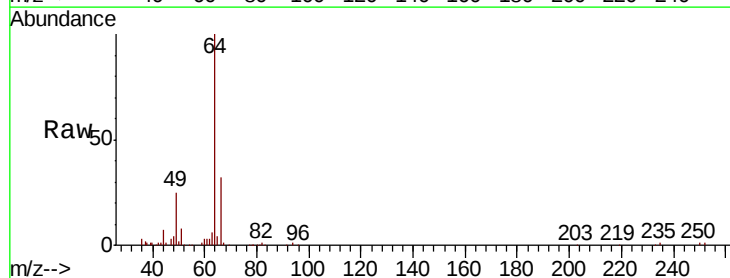
Acq: 10 Aug 2018 11:39

Tgt Ion: 64 Resp: 125678

Ion Ratio Lower Upper

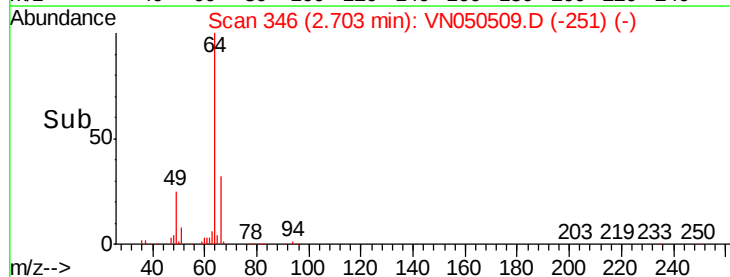
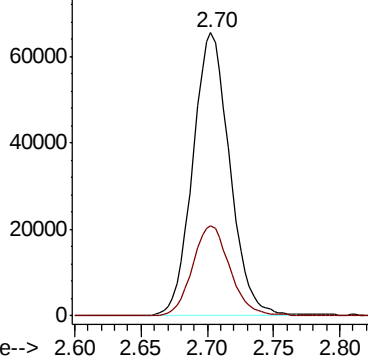
64 100

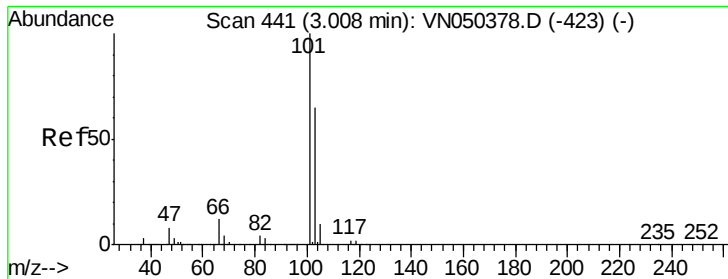
66 31.9 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 18.82 ug/l

RT: 3.01 min Scan# 443

Delta R.T. 0.01 min

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Tot Ion:101 Resp: 283905

Ion Ratio Lower Upper

101 100

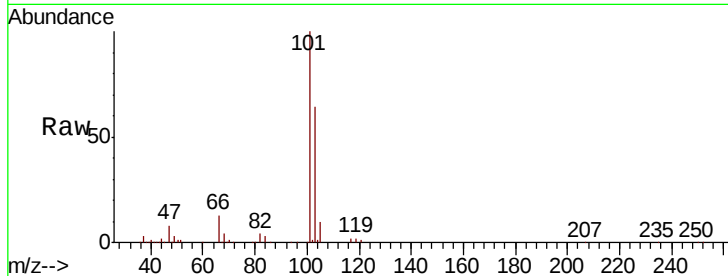
103 63.9 51.7 77.5

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MMDadoda

8/13/2018 11:05:30 AM



Abundance Ion 100.90 (100.60 to 101.60): V

150000 Ion 102.80 (102.50 to 103.50): V

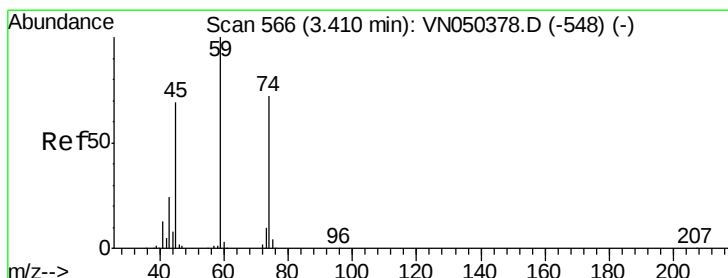
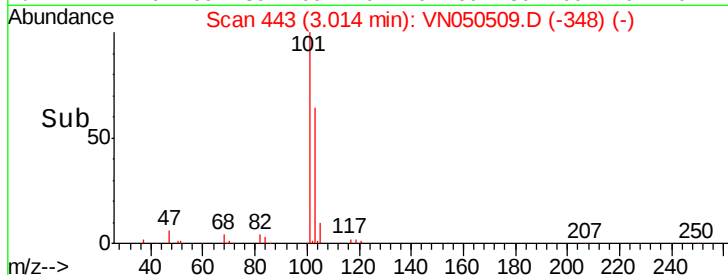
3.01

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 17.49 ug/l

RT: 3.41 min Scan# 566

Delta R.T. 0.00 min

Lab File: VN050509.D

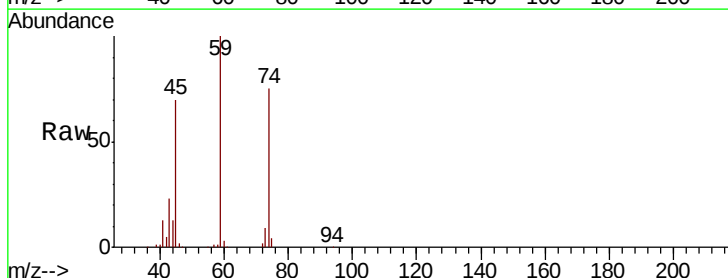
Acq: 10 Aug 2018 11:39

Tgt Ion: 74 Resp: 96776

Ion Ratio Lower Upper

74 100

45 93.6 47.6 142.8



Abundance Ion 74.00 (73.70 to 74.70): VNO

50000 Ion 45.00 (44.70 to 45.70): VNO

40000

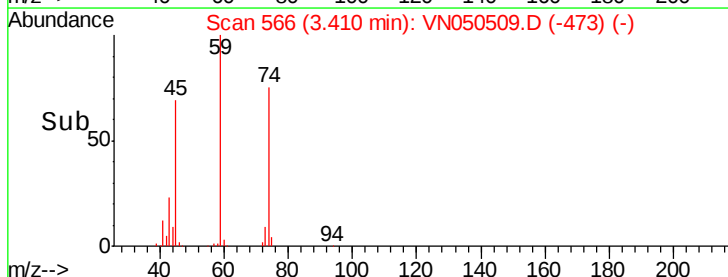
30000

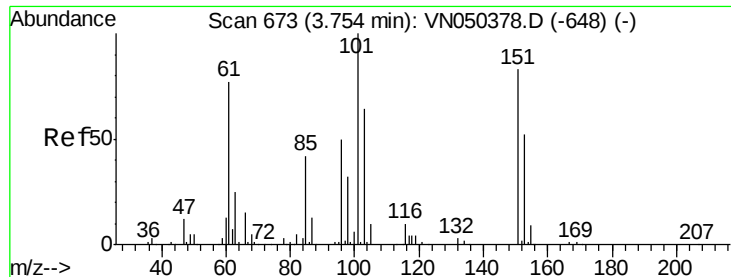
20000

10000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.25 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050509.D

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Instrument :

MSVOA_N

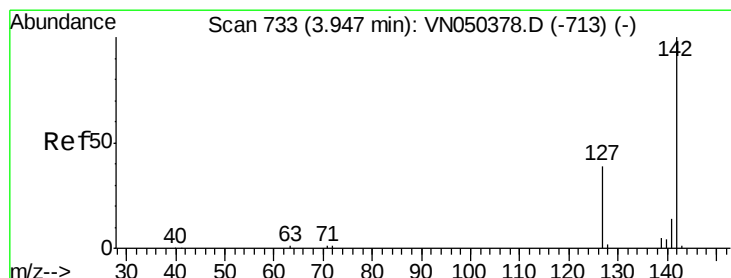
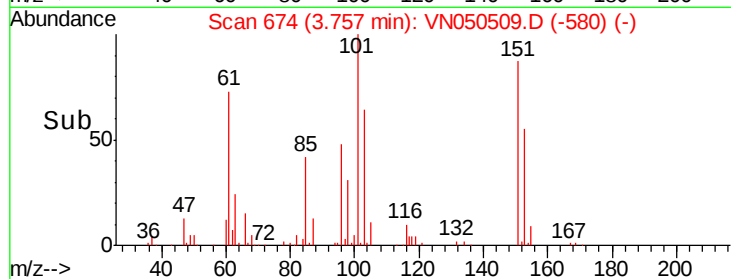
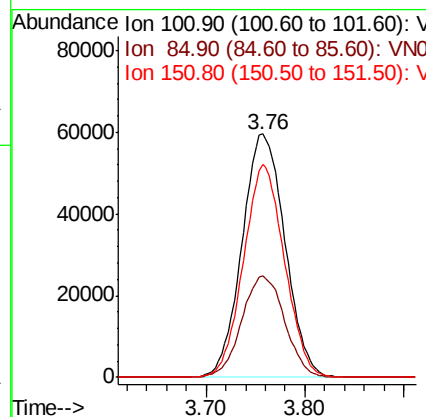
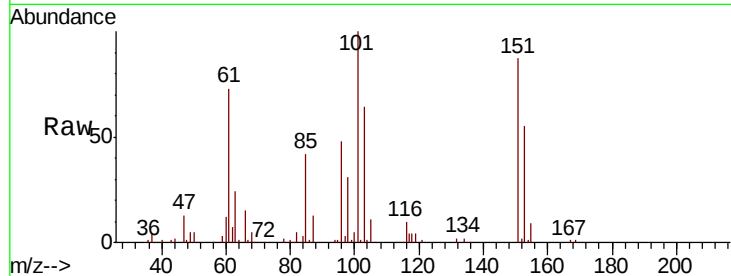
ClientSampleId :

VN0810WBS01

Tot Ion:	101	Resp:	179469
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.2
151	83.5	66.3	99.5

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#10

Methyl Iodide

Concen: 20.47 ug/l

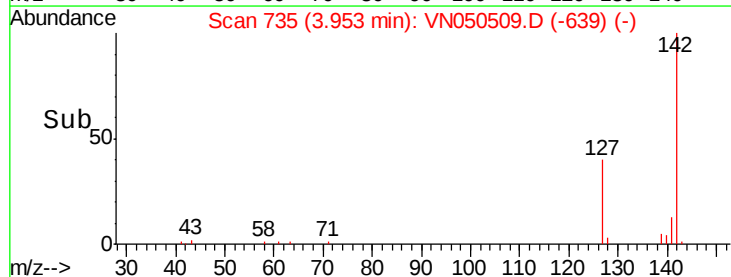
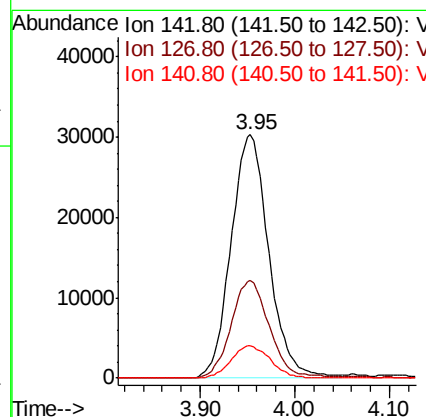
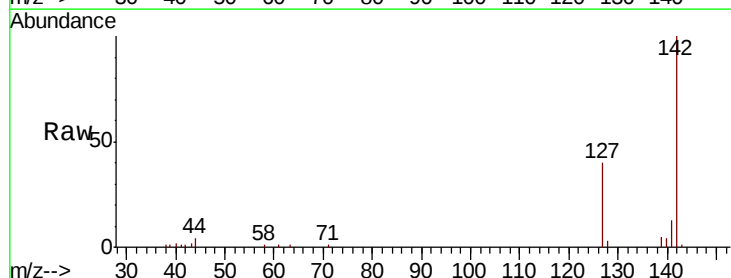
RT: 3.95 min Scan# 735

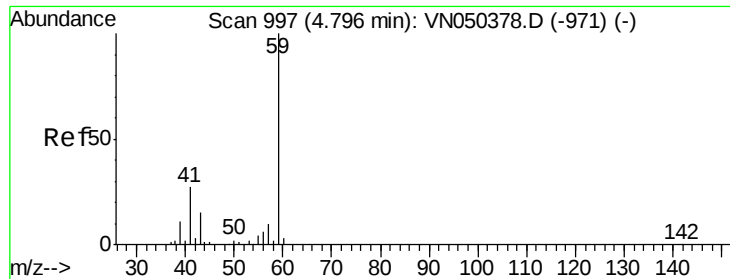
Delta R.T. 0.01 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	142	Resp:	84097
Ion Ratio	Lower	Upper	
142	100		
127	40.4	33.4	50.2
141	13.8	11.6	17.4





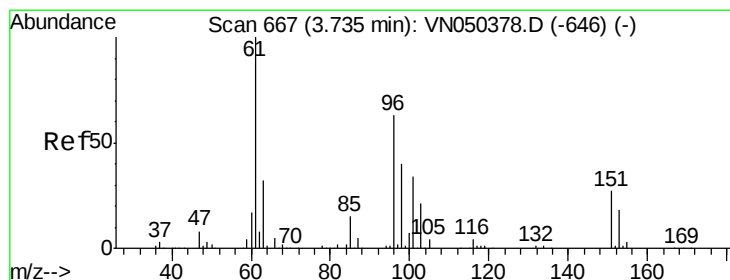
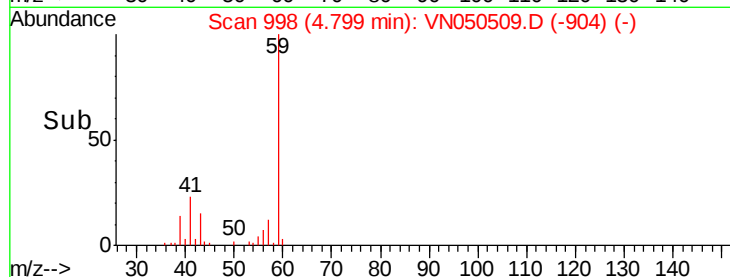
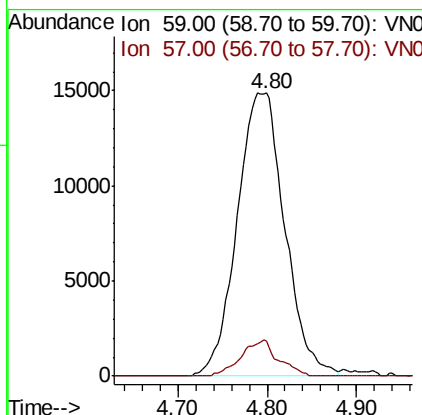
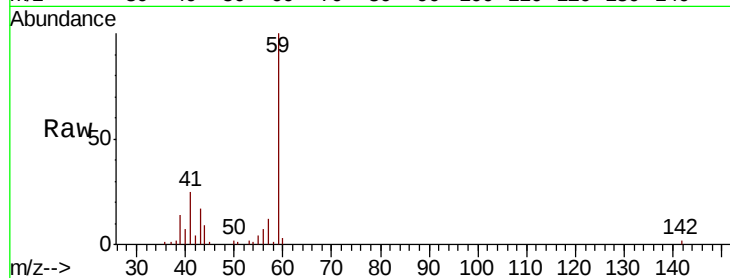
#11
Tert butyl alcohol
Concen: 63.26 ug/l
RT: 4.80 min Scan# 998
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.5	12.7

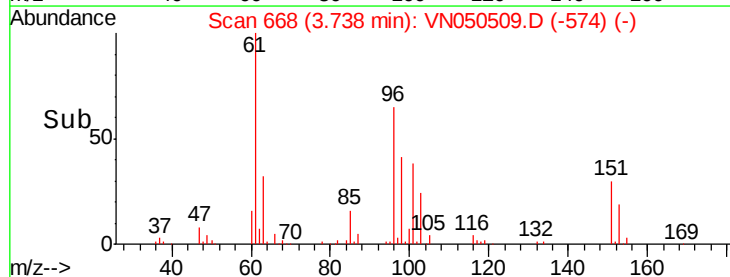
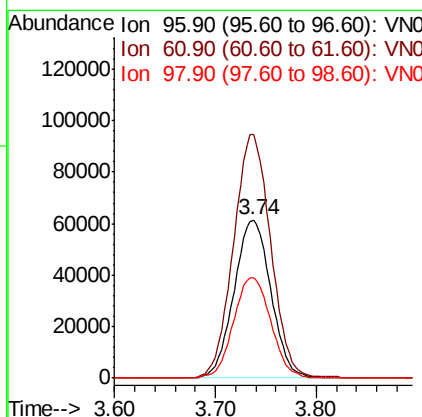
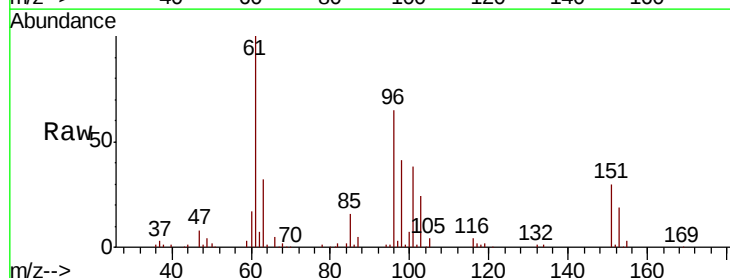
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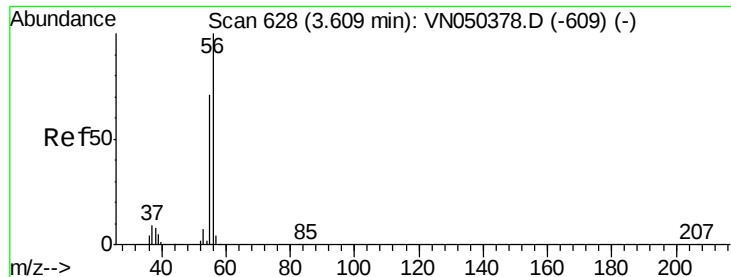
MMDadoda
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#12
1,1-Dichloroethene
Concen: 17.74 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.9	124.4	186.6
98	63.7	48.3	72.5





#13

Acrolein

Concen: 50.44 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS01

Tot Ion: 56 Resp: 42768

Ion Ratio Lower Upper

56 100

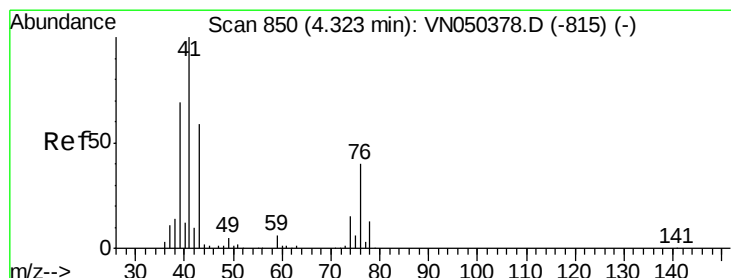
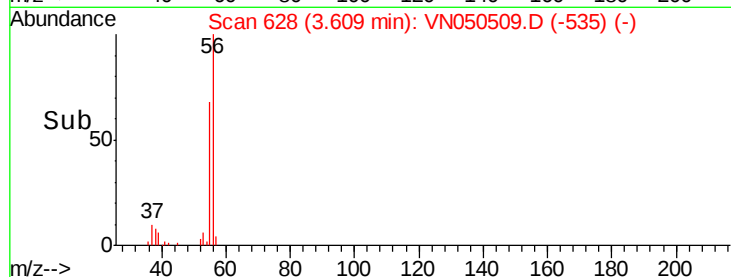
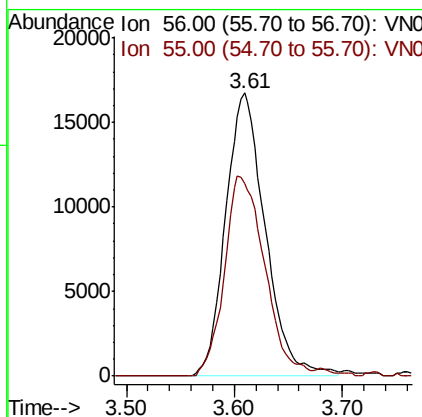
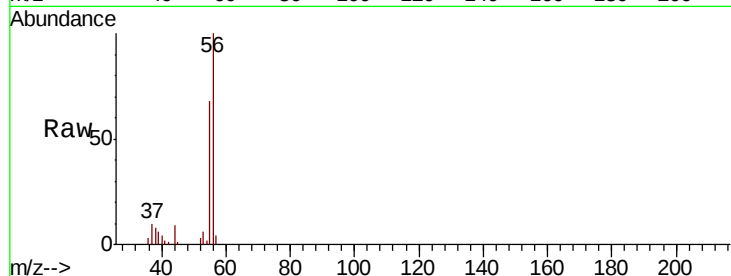
55 71.7 55.8 83.6

Manual Integrations

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#14

Allyl chloride

Concen: 17.10 ug/l

RT: 4.32 min Scan# 850

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

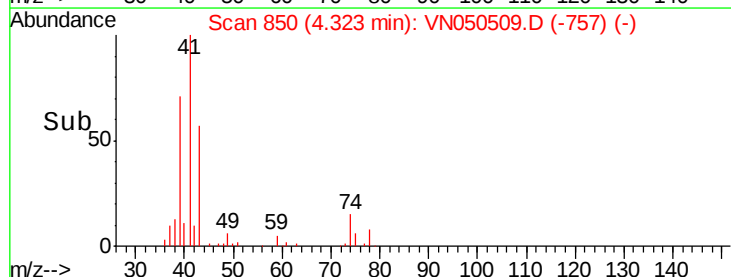
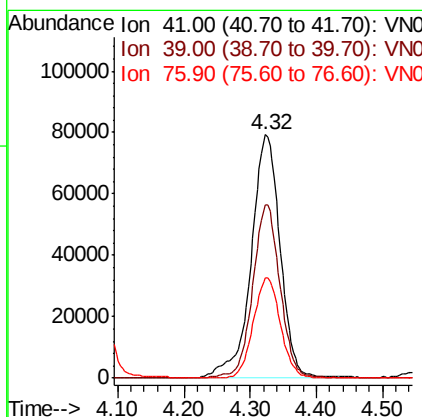
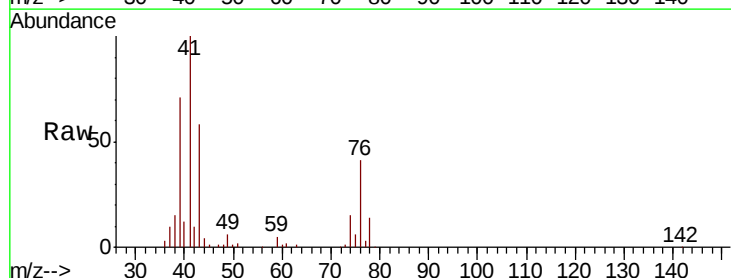
Tgt Ion: 41 Resp: 241419

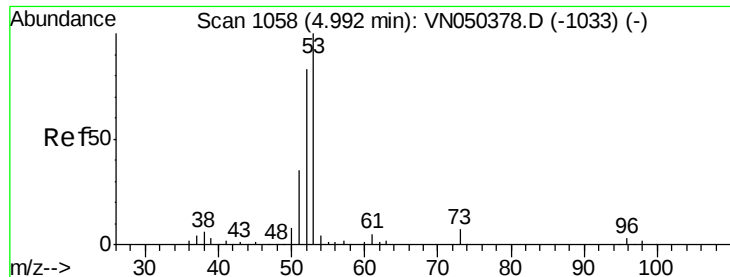
Ion Ratio Lower Upper

41 100

39 66.9 54.2 81.4

76 37.9 29.0 43.6





#15

Acrylonitrile

Concen: 73.78 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

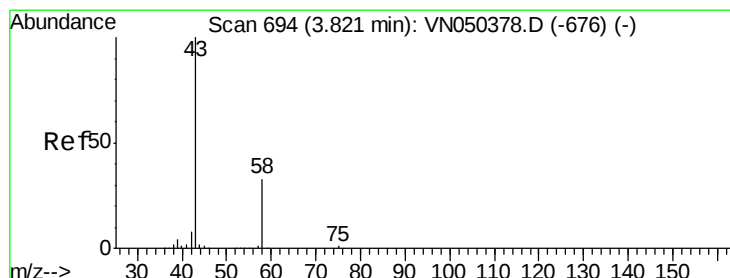
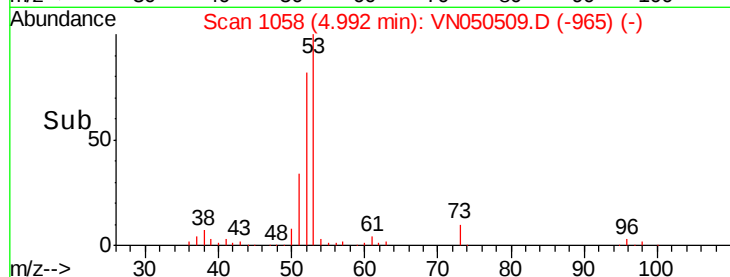
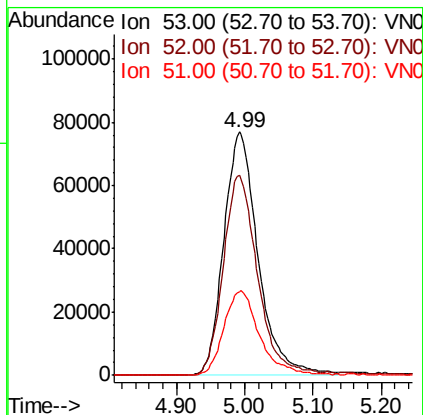
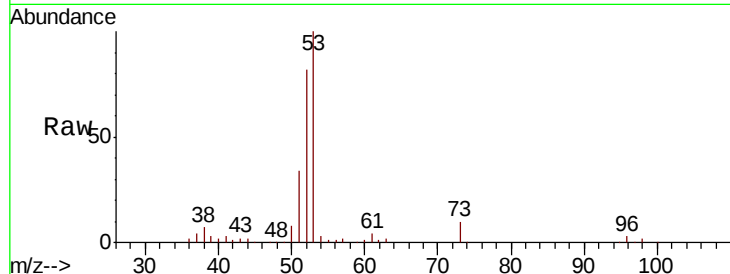
ClientSampleId :

VN0810WBS01

Tot Ion:	53	Resp:	269655
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.2
51	36.0	29.3	43.9

Manual Integrations
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#16

Acetone

Concen: 76.64 ug/l

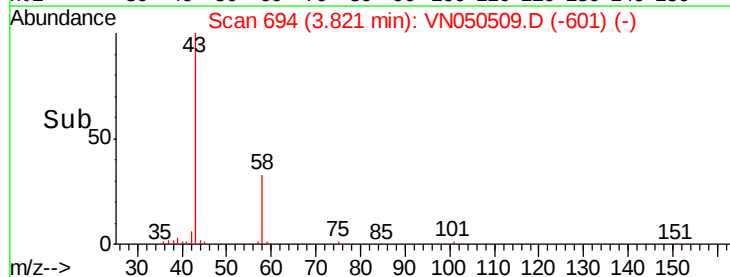
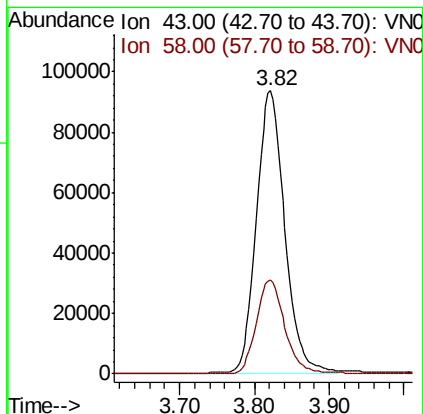
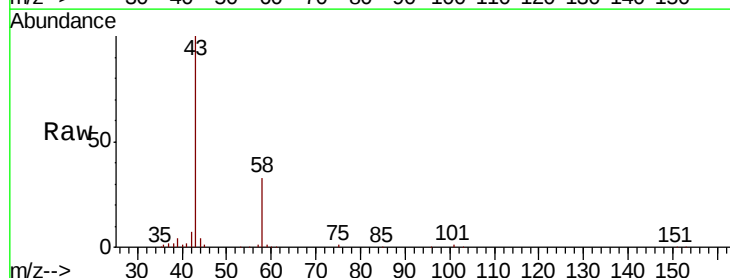
RT: 3.82 min Scan# 694

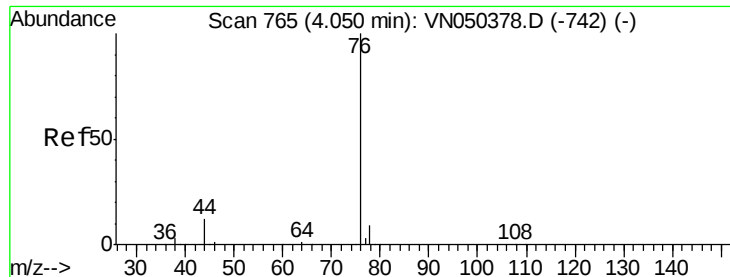
Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	43	Resp:	249076
Ion Ratio	Lower	Upper	
43	100		
58	33.0	25.8	38.8





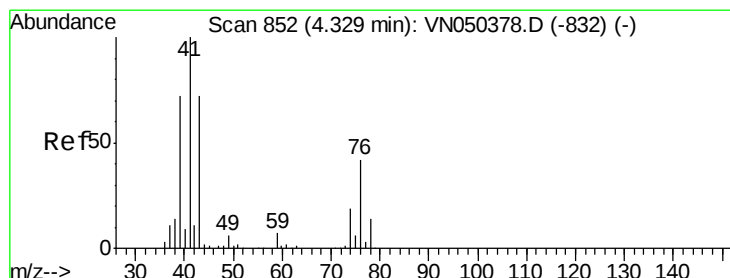
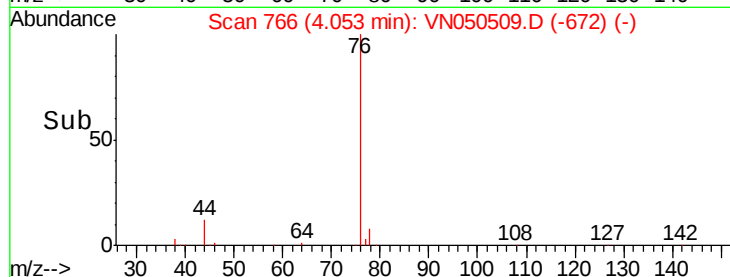
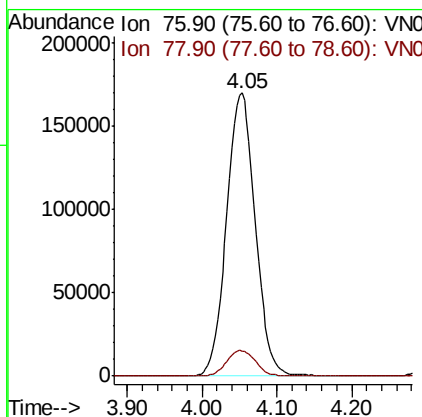
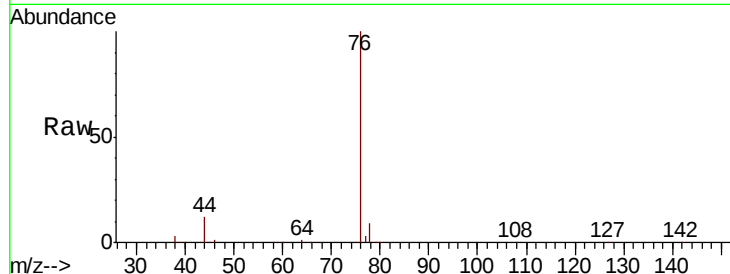
#17
Carbon Disulfide
Concen: 15.86 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.3	10.9

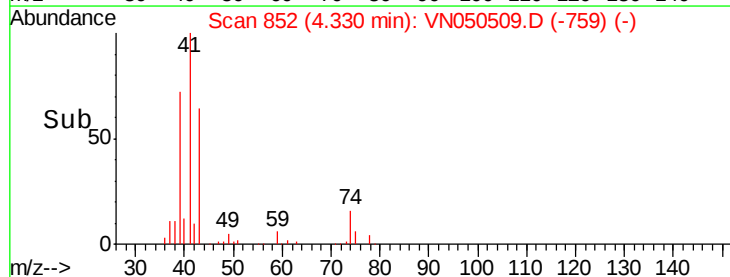
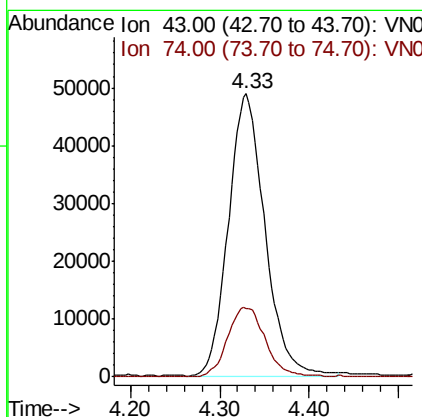
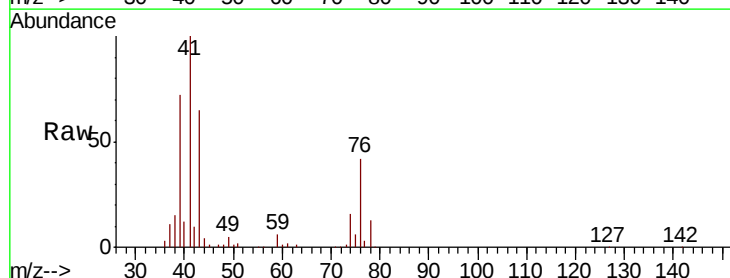
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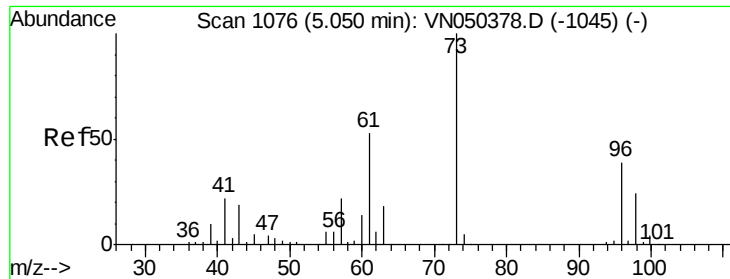
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#18
Methyl Acetate
Concen: 16.34 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.2	28.8





#19

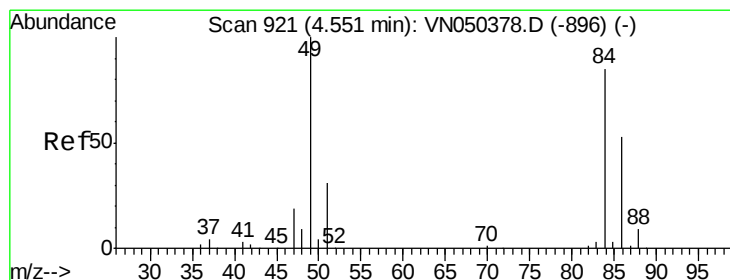
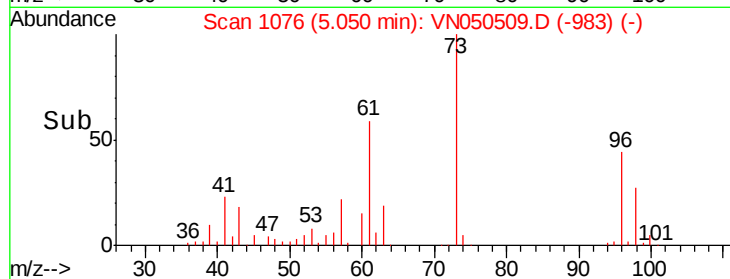
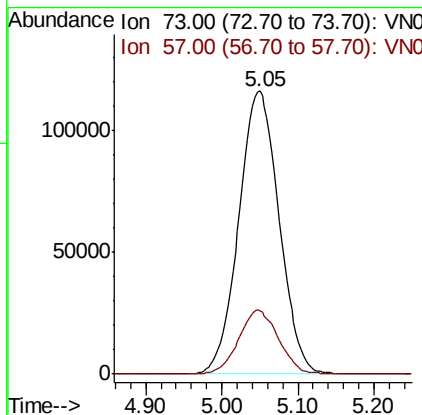
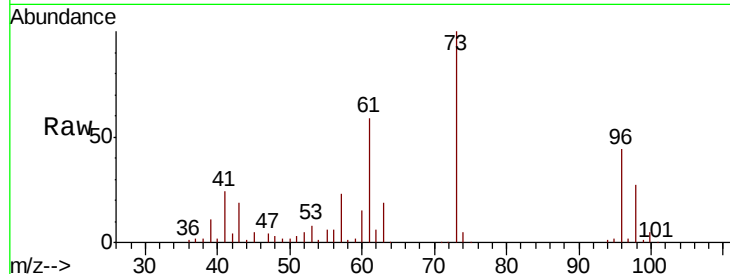
Methyl tert-butyl Ether
 Concen: 17.12 ug/l
 RT: 5.05 min Scan# 1076
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.5	18.0	27.0

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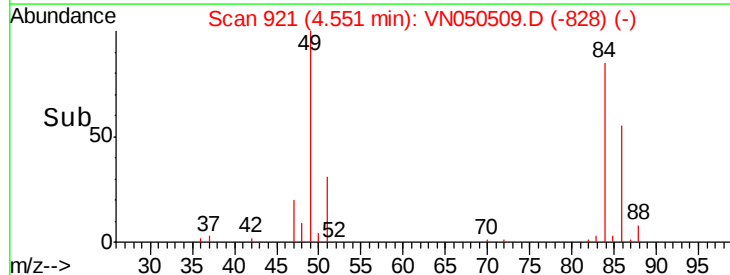
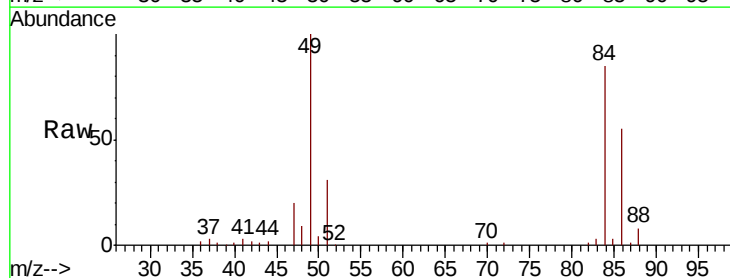
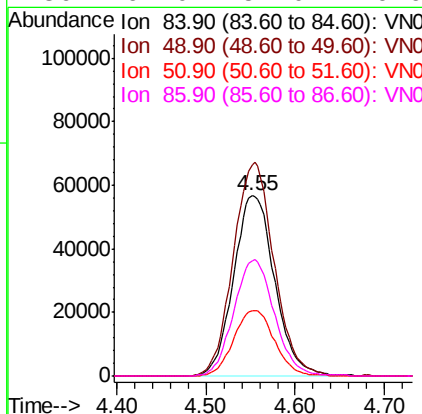
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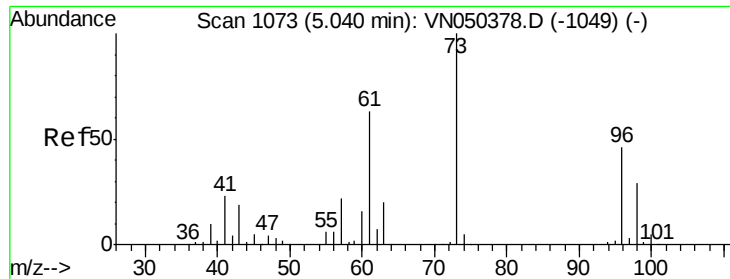


#20

Methylene Chloride
 Concen: 17.27 ug/l
 RT: 4.55 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.3	94.8	142.2
51	36.4	28.3	42.5
86	64.0	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 17.74 ug/l

RT: 5.04 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

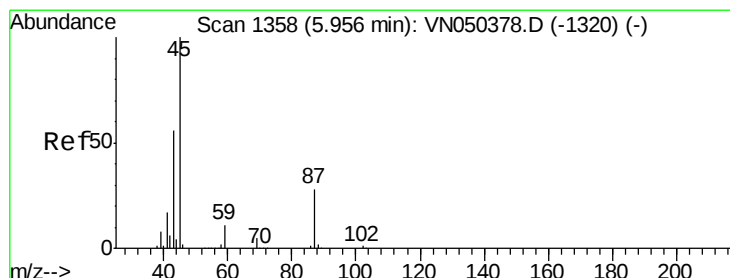
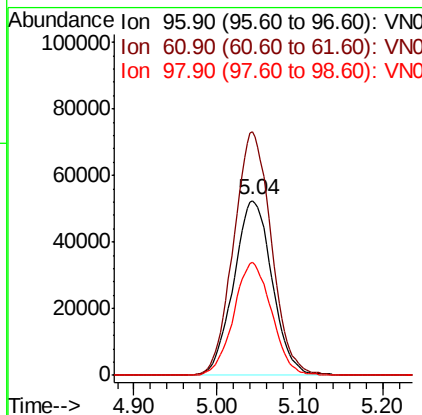
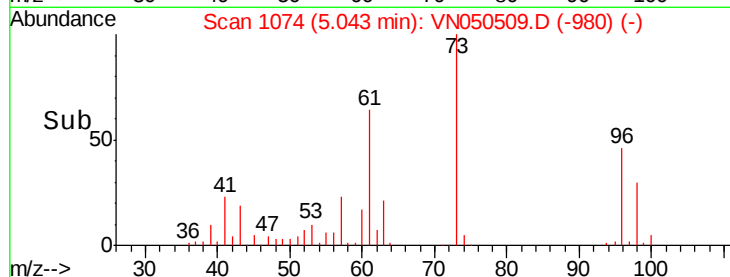
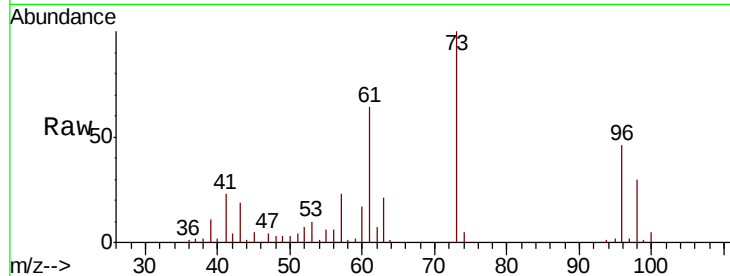
ClientSampleId :

VN0810WBS01

Tot Ion:	96	Resp:	168707
Ion	Ratio	Lower	Upper
96	100		
61	139.5	110.7	166.1
98	65.0	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.46 ug/l

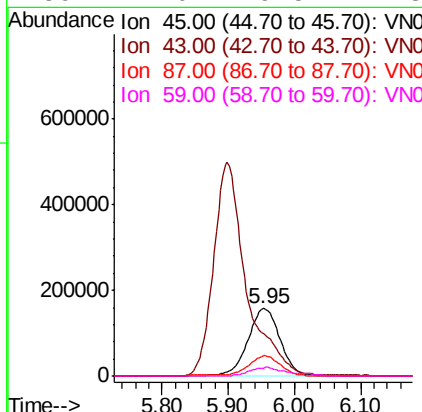
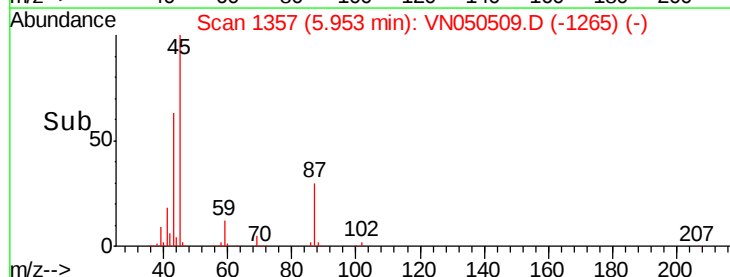
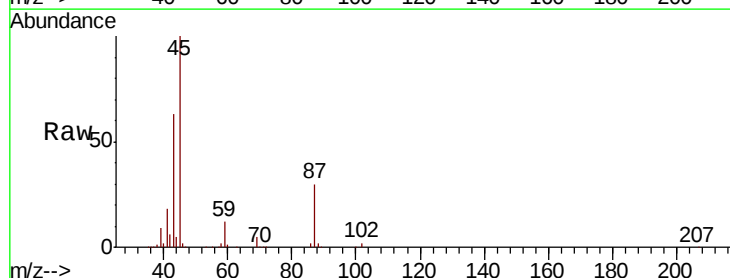
RT: 5.95 min Scan# 1357

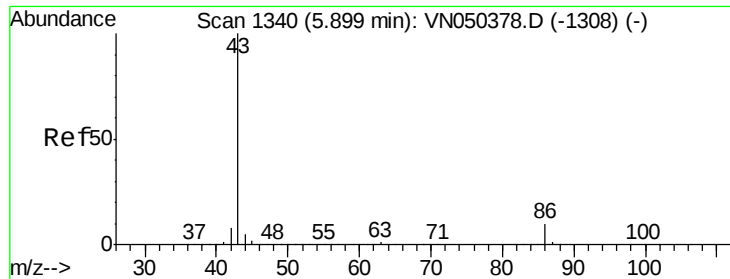
Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	45	Resp:	532271
Ion	Ratio	Lower	Upper
45	100		
43	61.1	45.7	68.5
87	29.6	22.7	34.1
59	12.0	9.5	14.3





#23

Vinyl Acetate

Concen: 83.34 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS01

Tot Ion: 43 Resp: 1714466

Ion Ratio Lower Upper

43 100

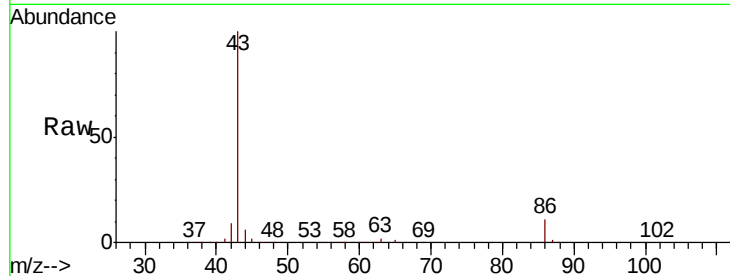
86 10.8 8.6 13.0

Manual Integrations

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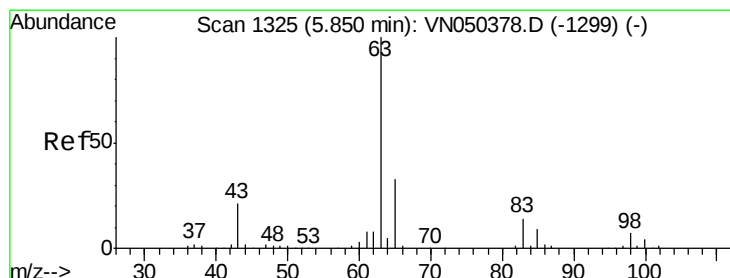
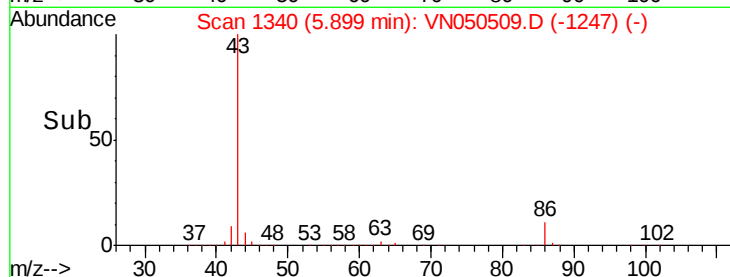
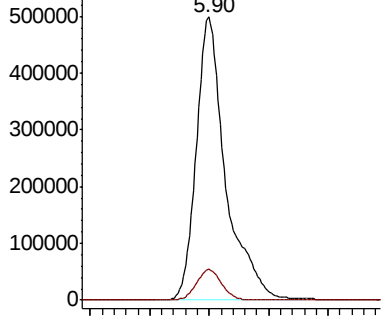
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.18 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

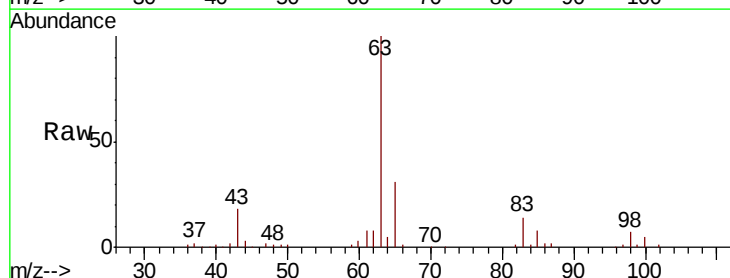
Tgt Ion: 63 Resp: 321559

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.8

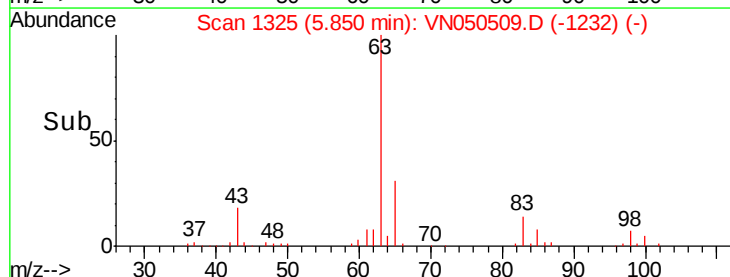
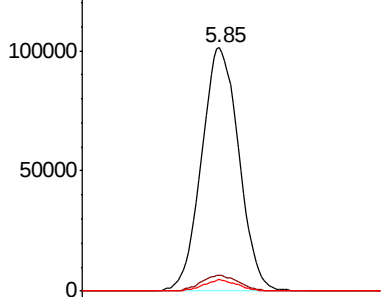
100 4.6 2.1 6.3

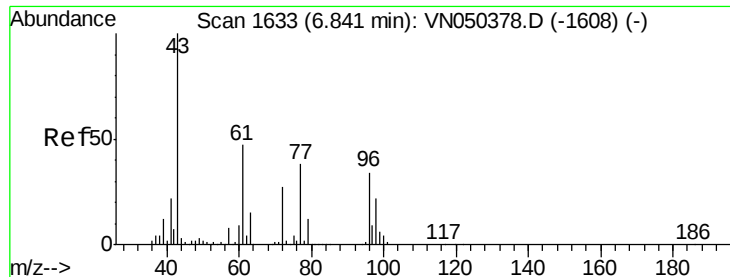


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 73.75 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 43 Resp: 396978

Ion Ratio Lower Upper

43 100

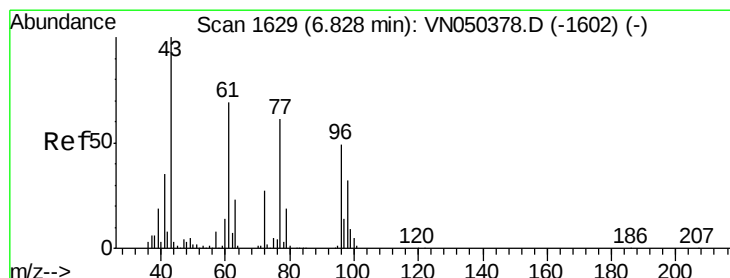
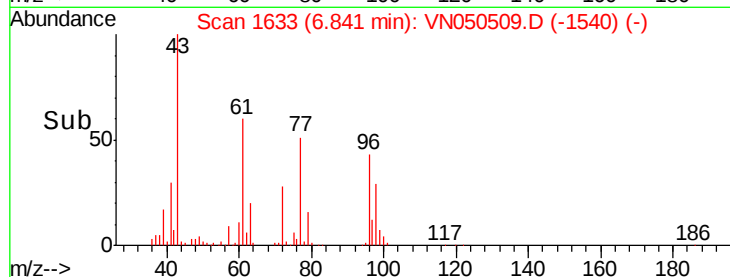
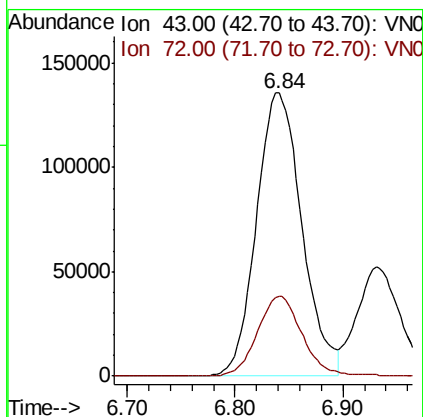
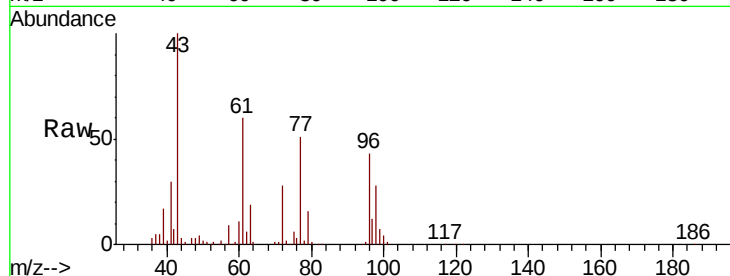
72 28.3 21.5 32.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.45 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050509.D

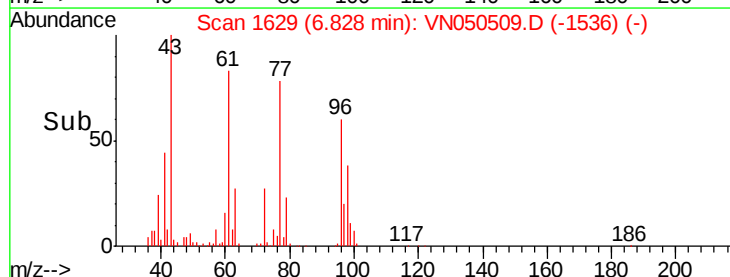
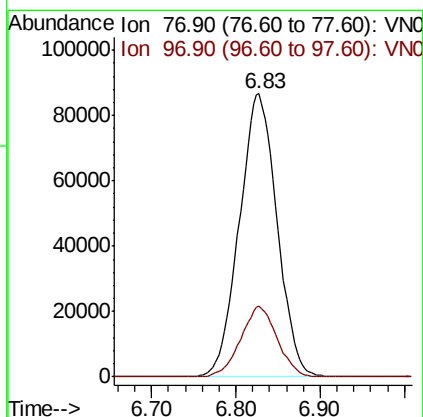
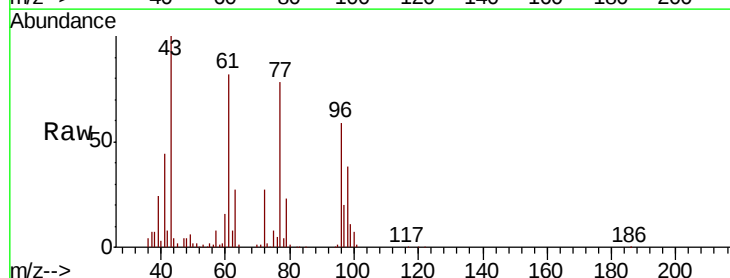
Acq: 10 Aug 2018 11:39

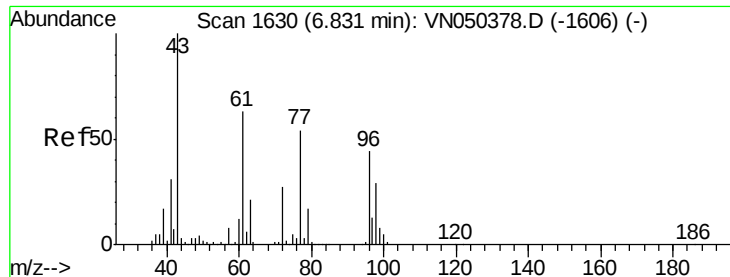
Tgt Ion: 77 Resp: 269054

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.36 ug/l

RT: 6.83 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

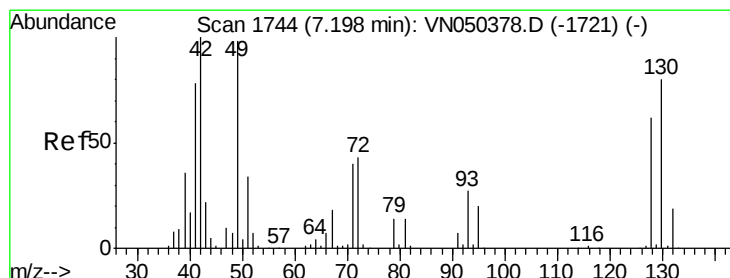
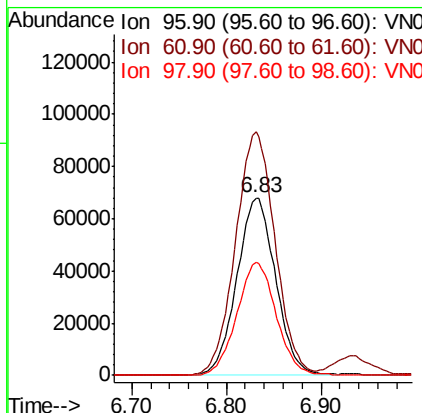
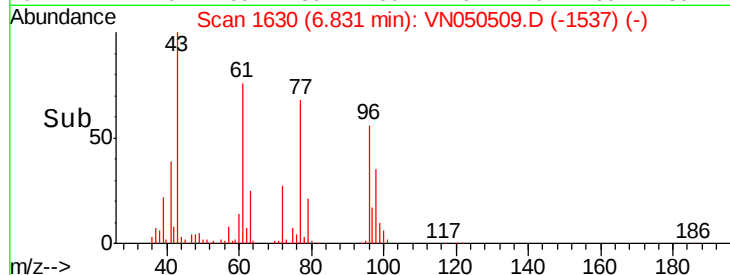
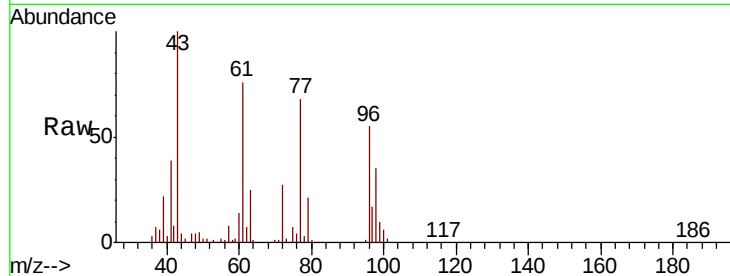
ClientSampleId :

VN0810WBS01

Tot Ion:	96	Resp:	193596
Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	285.0
98	64.5	0.0	129.2

Manual Integrations
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#28

Bromochloromethane

Concen: 17.36 ug/l

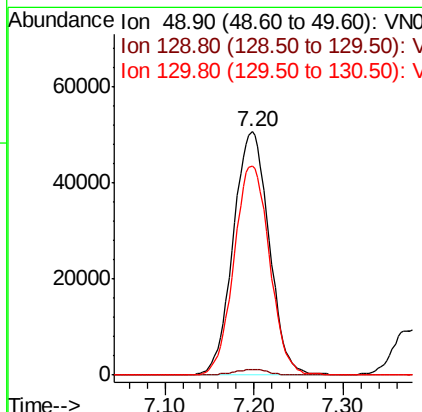
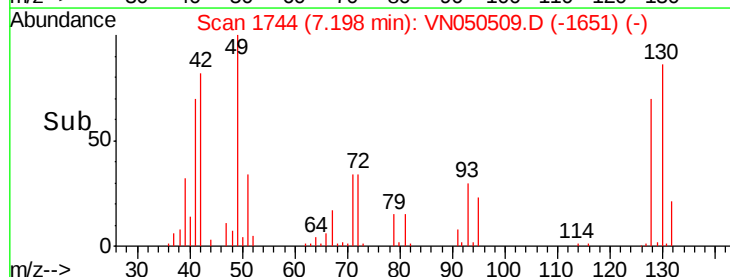
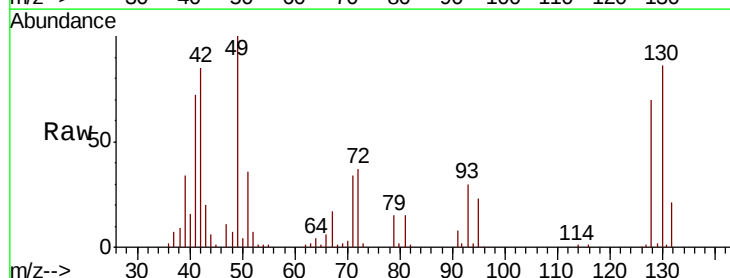
RT: 7.20 min Scan# 1744

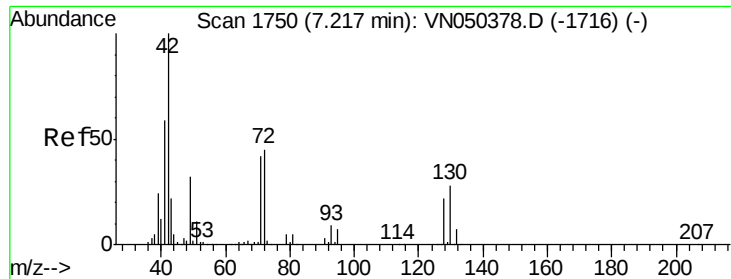
Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	49	Resp:	141390
Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.0
130	85.4	66.3	99.5





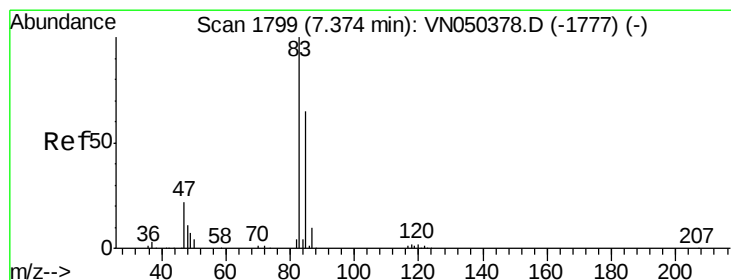
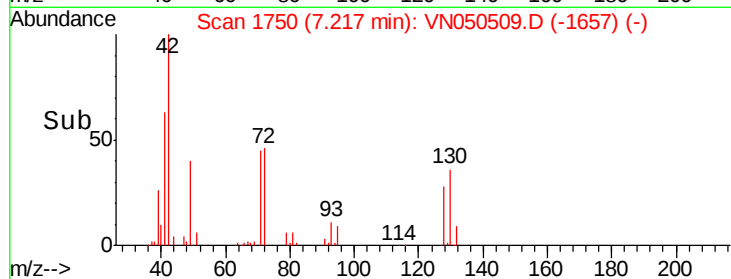
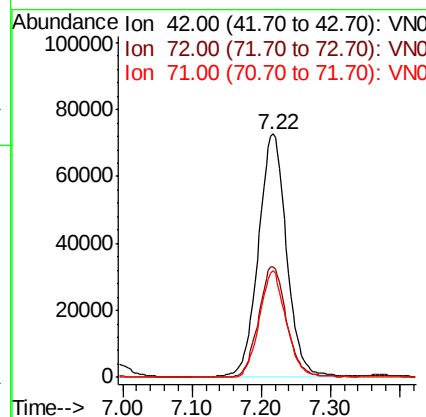
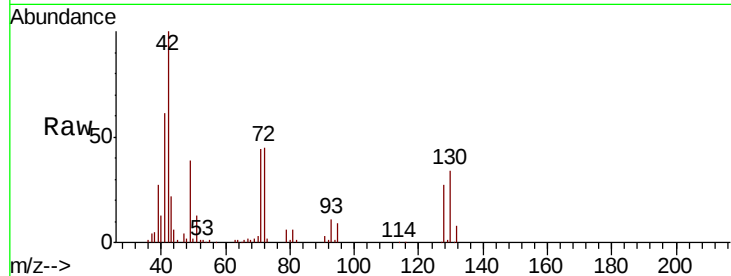
#29
Tetrahydrofuran
Concen: 71.53 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	35.9	53.9
71	41.5	33.7	50.5

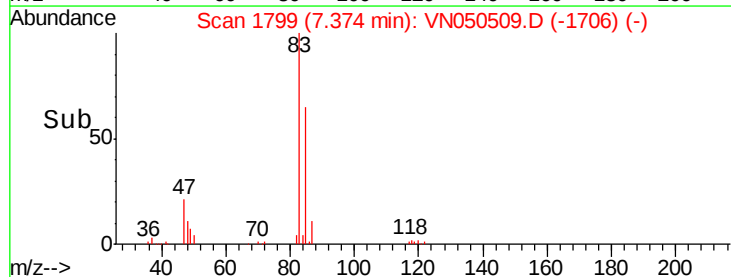
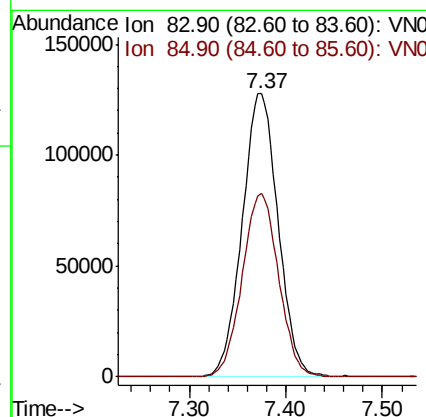
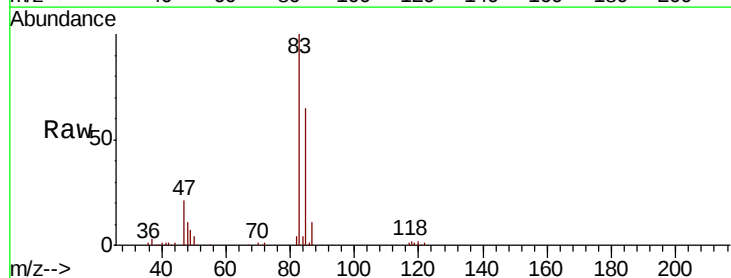
Manual Integrations
APPROVED

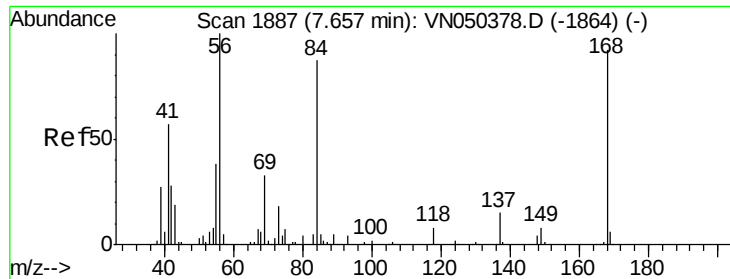
MMDadoda
8/13/2018 11:05:30 AM



#30
Chloroform
Concen: 18.63 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	52.5	78.7





#31

Cyclohexane

Concen: 17.60 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS01

Tot Ion: 56 Resp: 280365

Ion Ratio Lower Upper

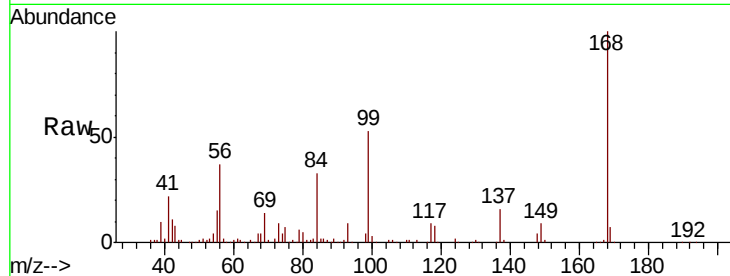
56 100

69 37.9 26.2 39.4

84 89.3 67.4 101.0

Manual Integrations
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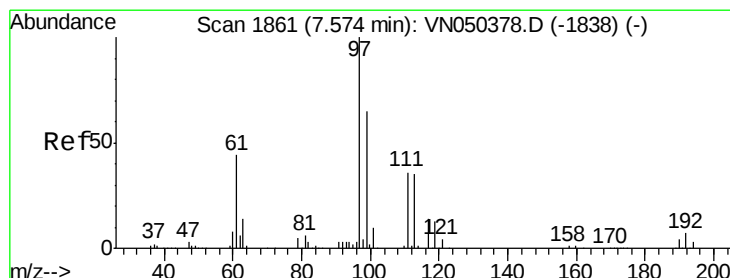
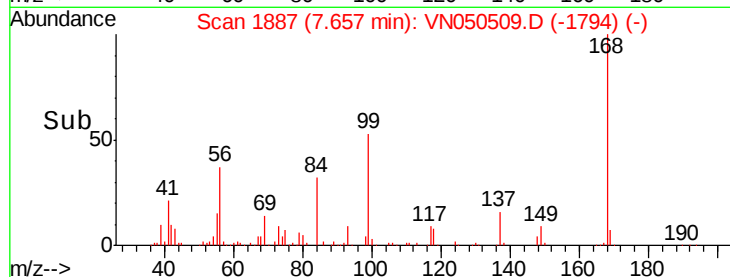
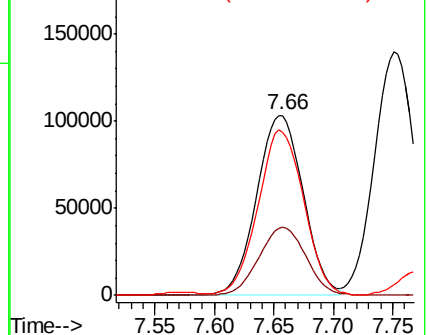
MMDadoda
8/13/2018 11:05:30 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.61 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

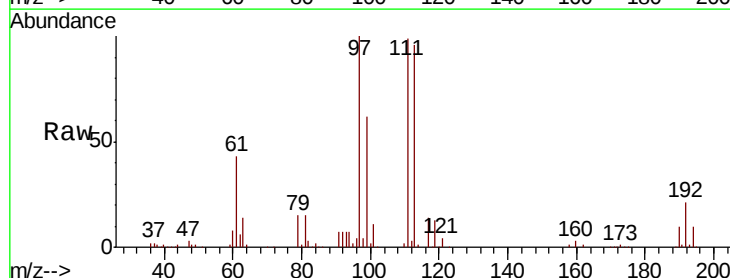
Tgt Ion: 97 Resp: 282712

Ion Ratio Lower Upper

97 100

99 63.0 51.4 77.0

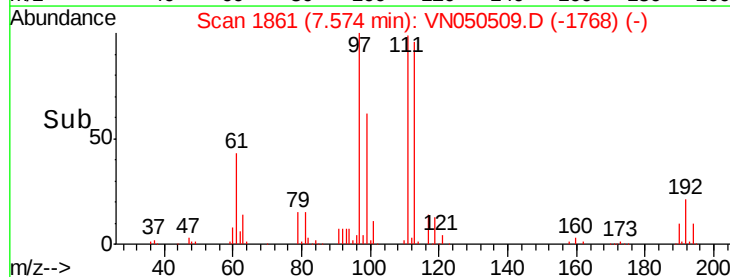
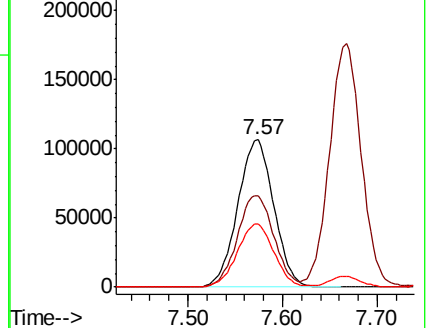
61 43.4 35.4 53.0

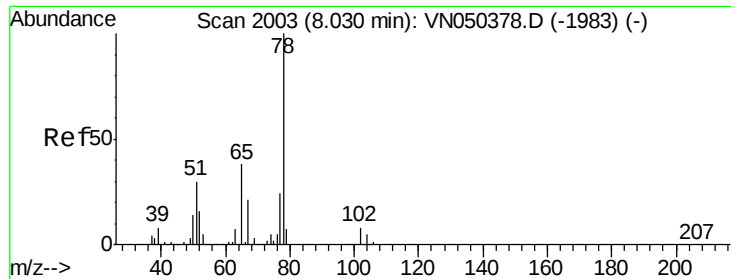


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





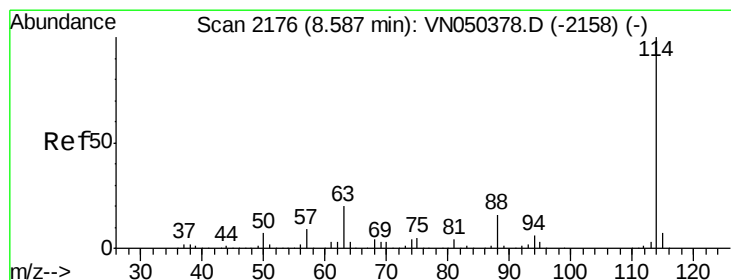
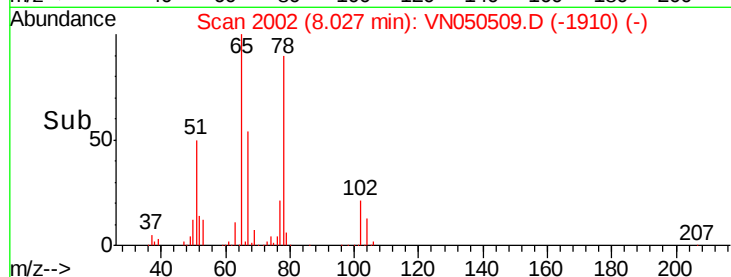
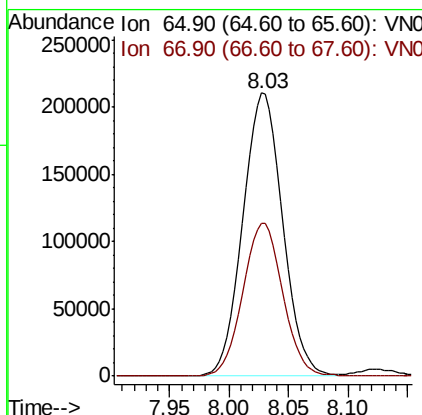
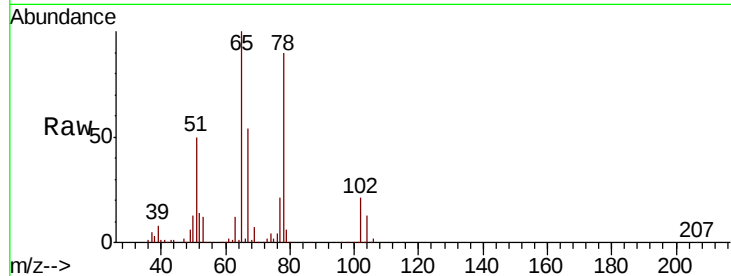
#33
 1,2-Dichloroethane-d4
 Concen: 45.04 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	489206		
67	54.1	0.0	108.4	

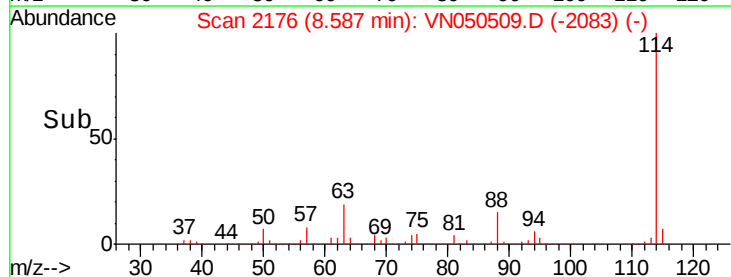
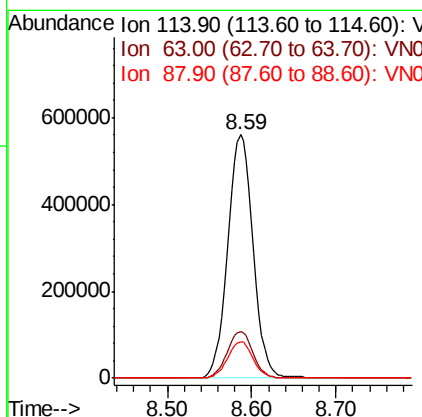
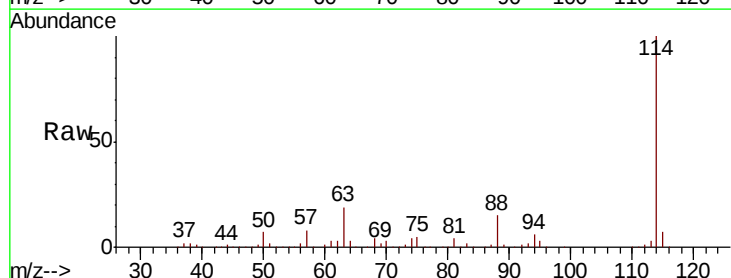
Manual Integrations
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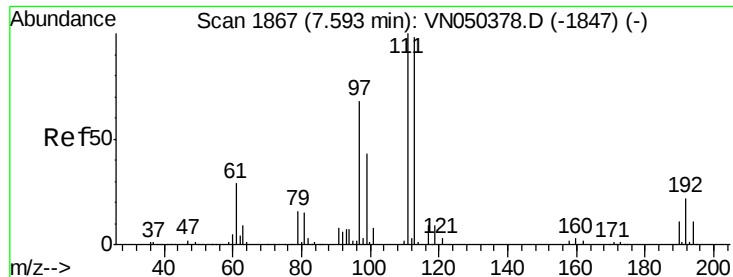
MMDadoda
 8/13/2018 11:05:30 AM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1168035		
63	19.2	0.0	40.0	
88	15.1	0.0	31.2	





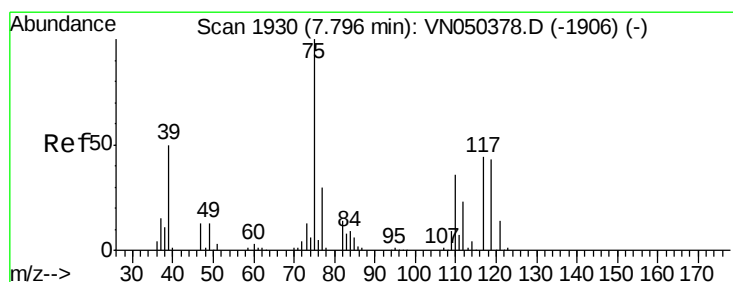
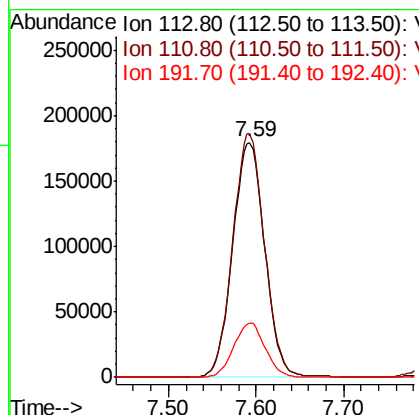
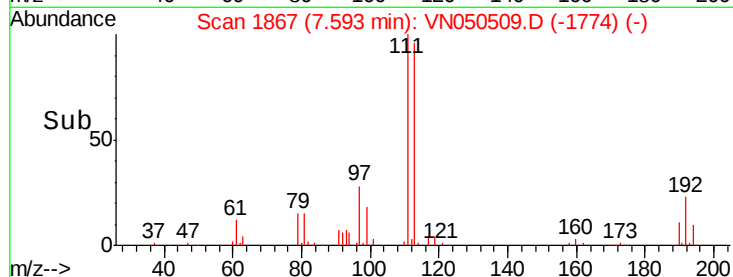
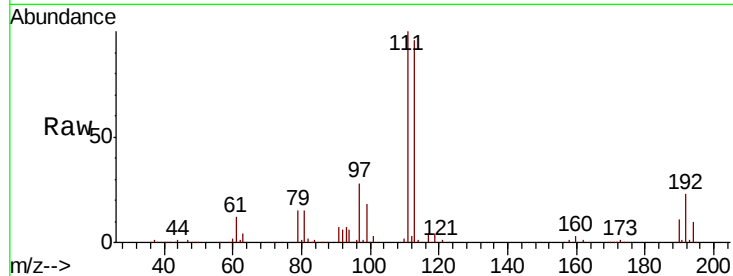
#35
 Dibromofluoromethane
 Concen: 48.86 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	457925		
111	102.8	80.7	121.1	
192	22.7	17.8	26.6	

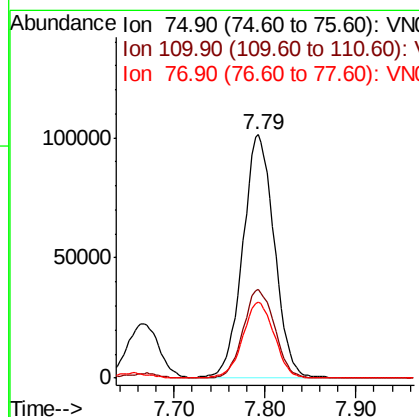
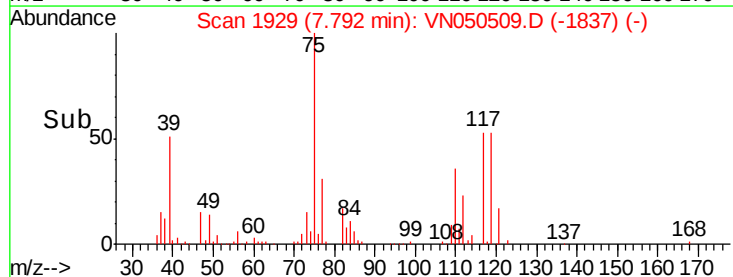
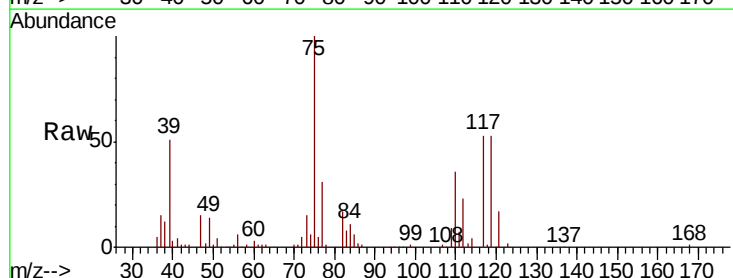
Manual Integrations
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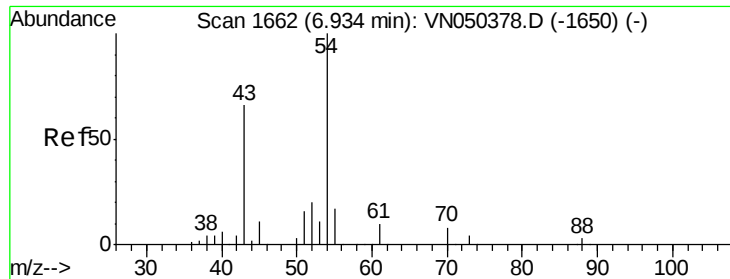
MMDadoda
 8/13/2018 11:05:30 AM



#36
 1,1-Dichloropropene
 Concen: 18.88 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	242324		
110	36.6	18.4	55.2	
77	31.5	25.3	37.9	





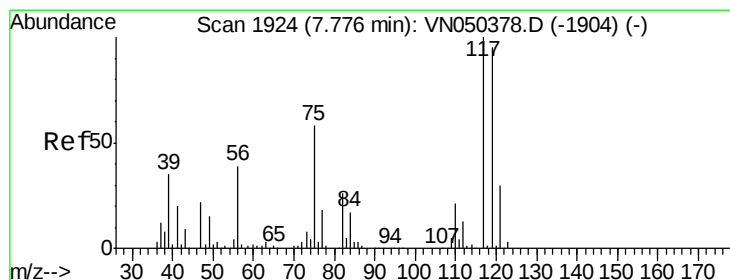
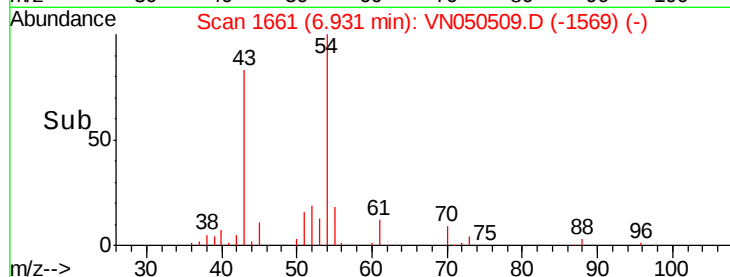
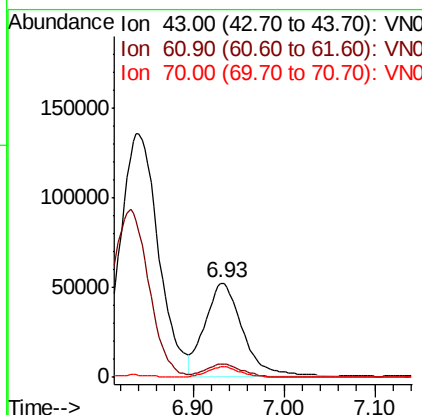
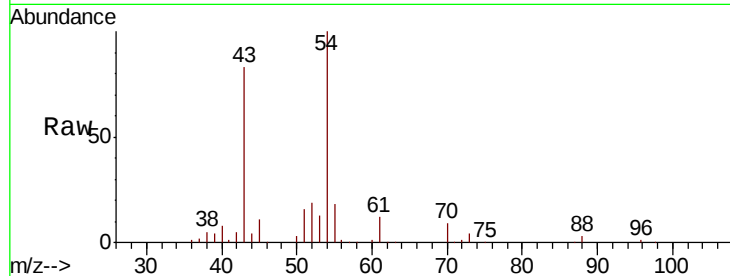
#37
Ethyl Acetate
Concen: 16.08 ug/l
RT: 6.93 min Scan# 1661
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.8	11.8	17.8
70	10.3	8.4	12.6

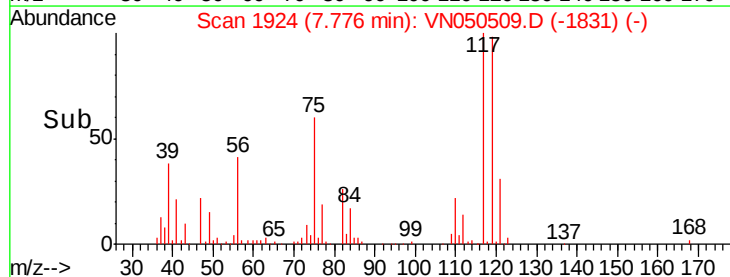
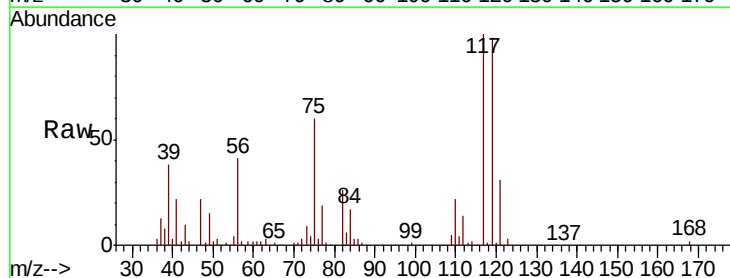
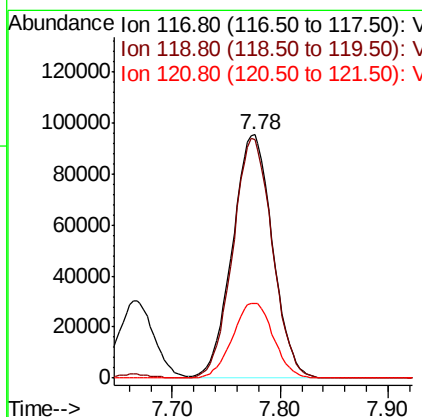
Manual Integrations
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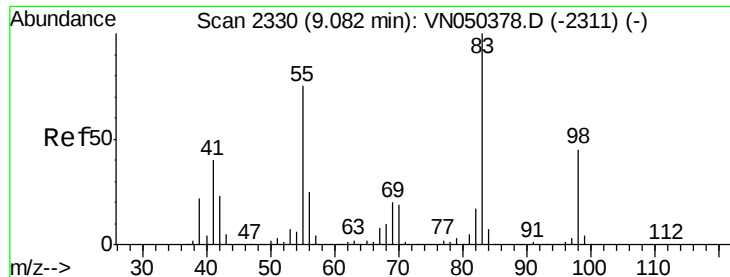
MMDadoda
8/13/2018 11:05:30 AM



#38
Carbon Tetrachloride
Concen: 18.40 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.4	116.0
121	30.8	23.9	35.9





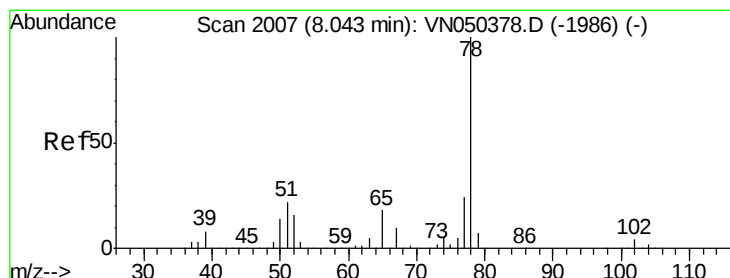
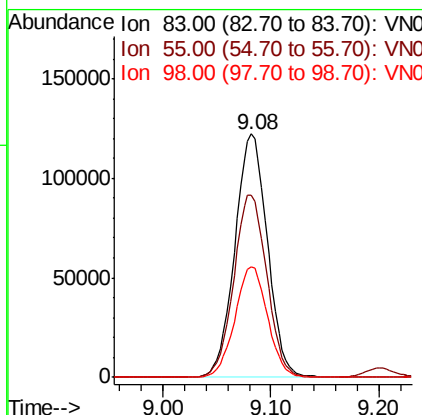
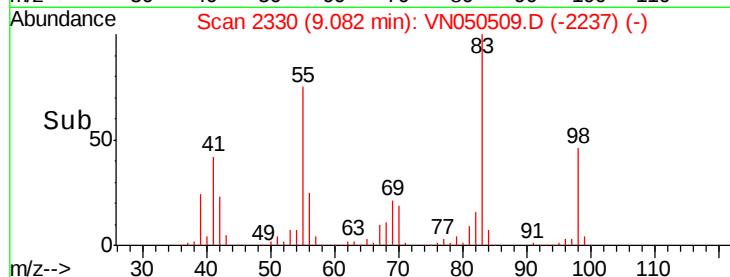
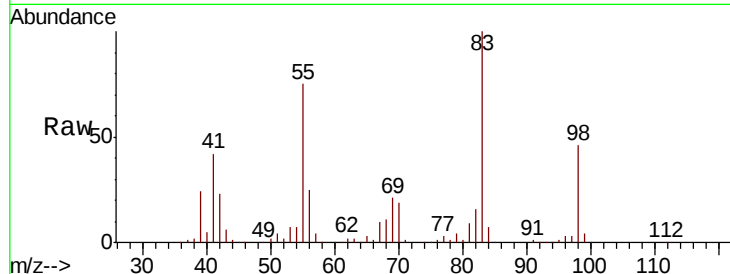
#39
Methvlcvclohexane
Concen: 18.36 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	257155		
55	75.1	61.8	92.8	
98	45.6	36.5	54.7	

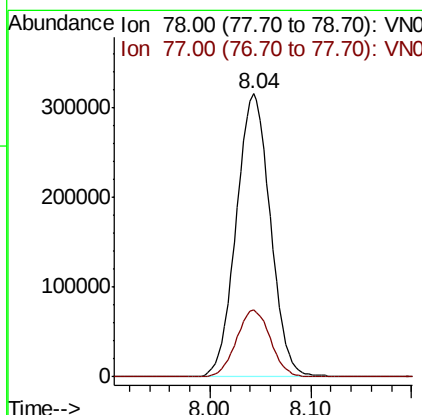
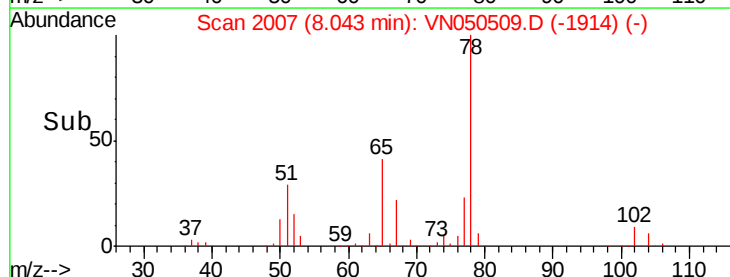
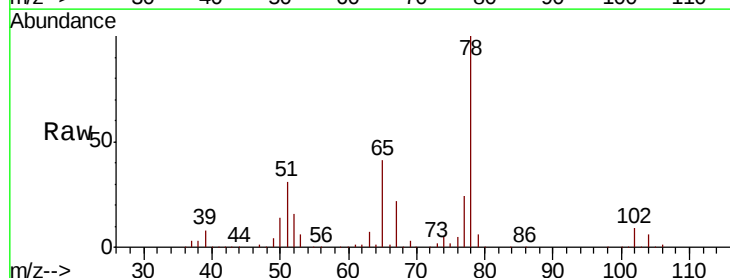
Manual Integrations
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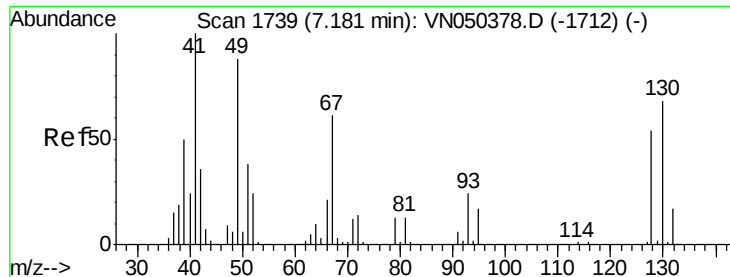
MMDadoda
8/13/2018 11:05:30 AM



#40
Benzene
Concen: 18.71 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	738254		
77	23.6	18.7	28.1	





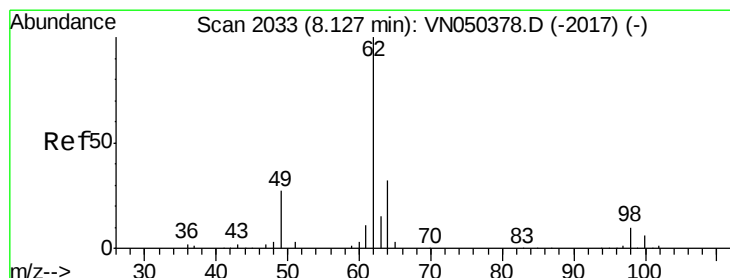
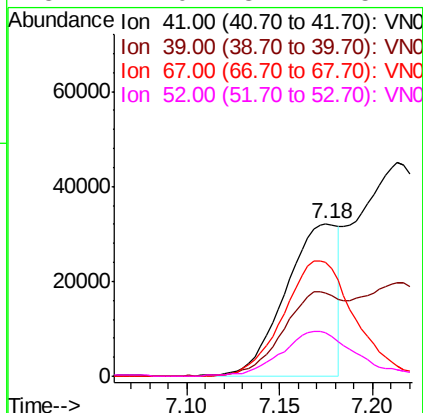
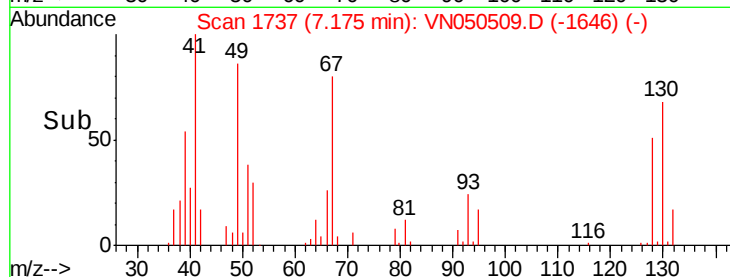
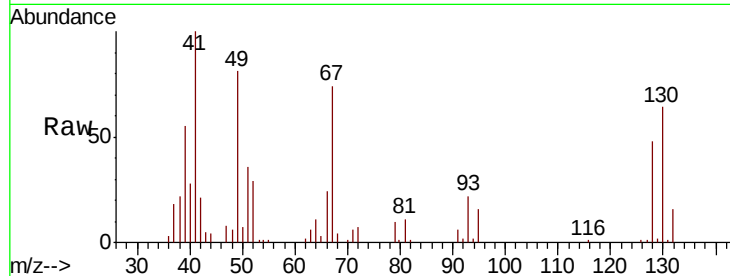
#41
Methacrylonitrile
Concen: 12.88 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion	41	Resp	63279
Ion Ratio	Lower	Upper	
41	100		
39	61.3	55.8	83.6
67	103.5	84.3	126.5
52	42.0	34.2	51.2

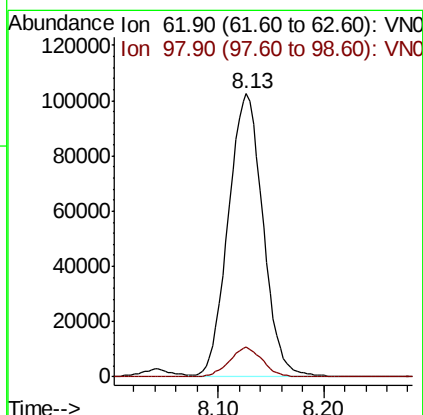
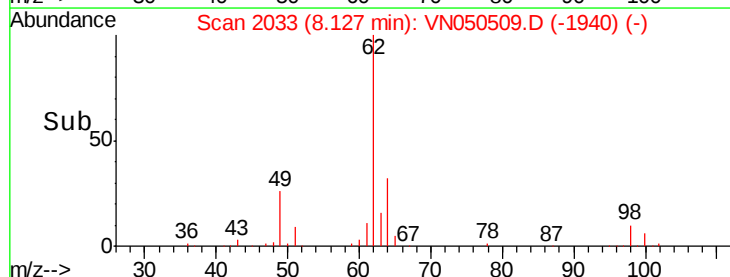
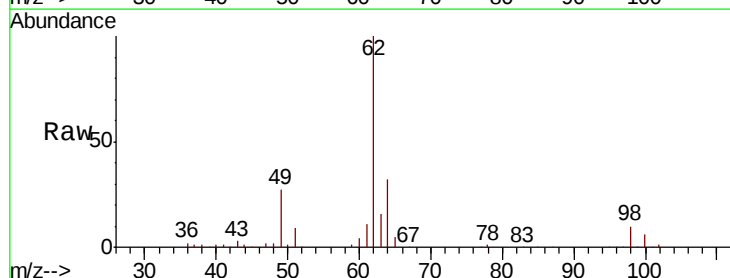
Manual Integrations
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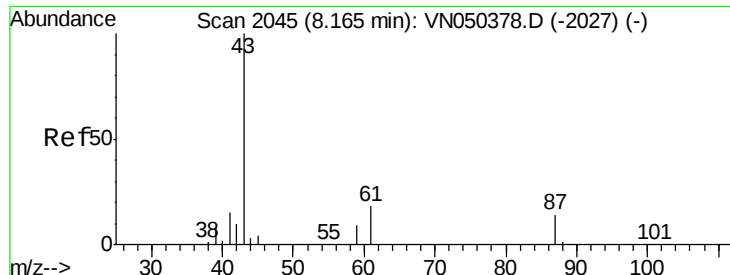
MMDadoda
8/13/2018 11:05:30 AM



#42
1,2-Dichloroethane
Concen: 18.61 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	62	Resp	233117
Ion Ratio	Lower	Upper	
62	100		
98	10.0	0.0	18.8





#43

Isopropyl Acetate

Concen: 15.90 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

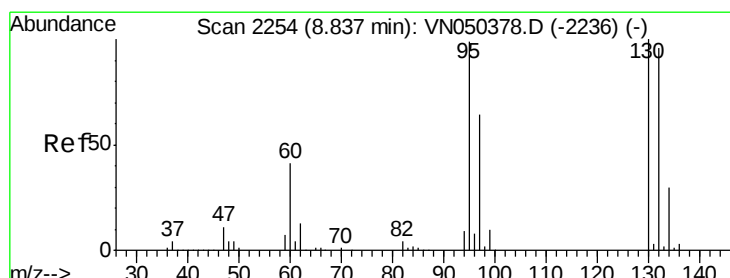
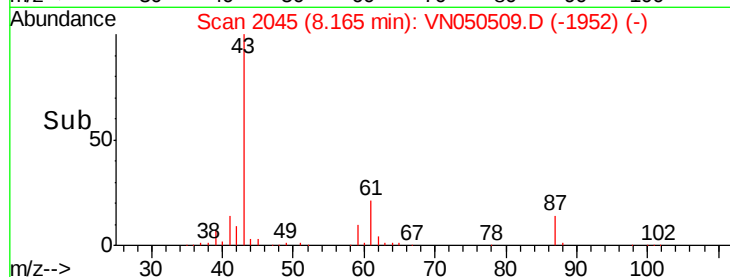
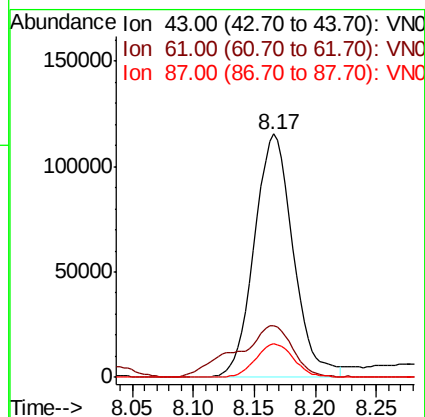
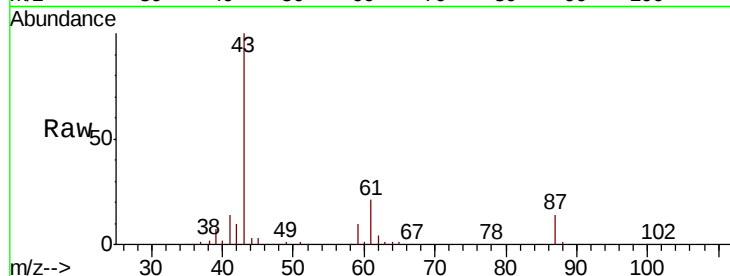
ClientSampleId :

VN0810WBS01

Tot Ion:	43	Resp:	253649
Ion	Ratio	Lower	Upper
43	100		
61	30.1	15.8	23.6#
87	13.7	10.3	15.5

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#44

Trichloroethene

Concen: 18.75 ug/l

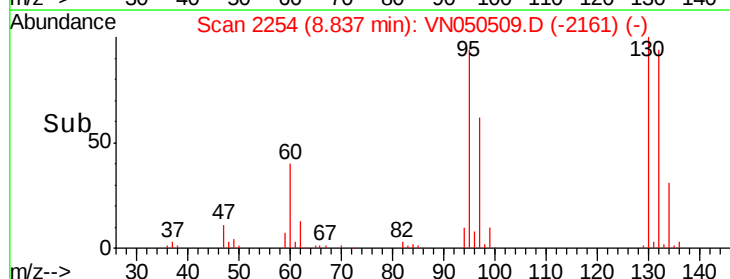
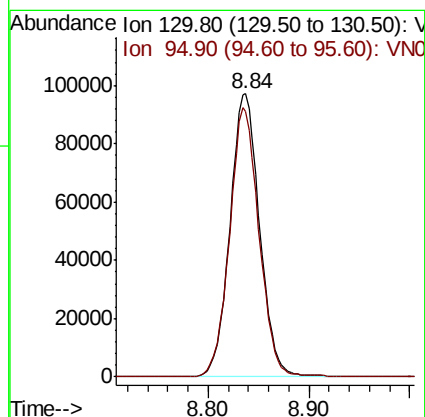
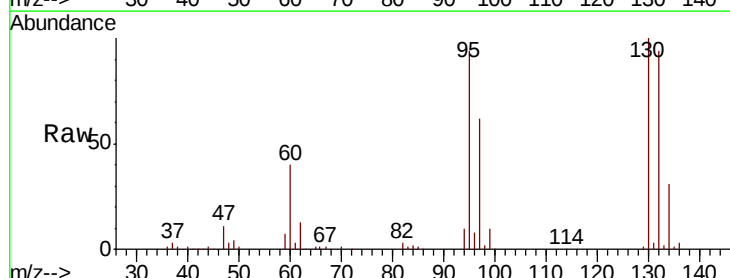
RT: 8.84 min Scan# 2254

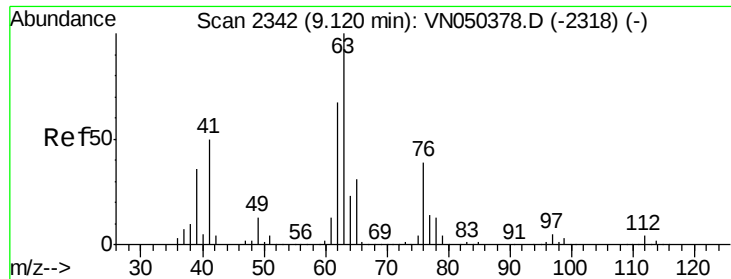
Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	130	Resp:	198809
Ion	Ratio	Lower	Upper
130	100		
95	93.7	0.0	194.6





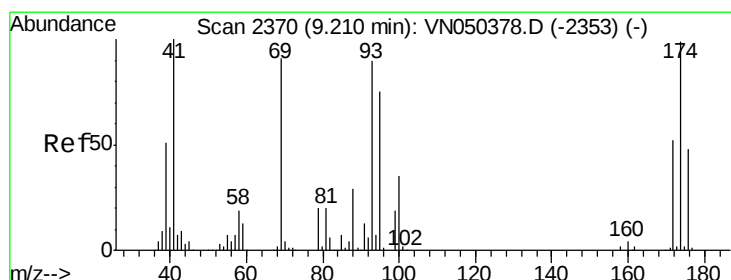
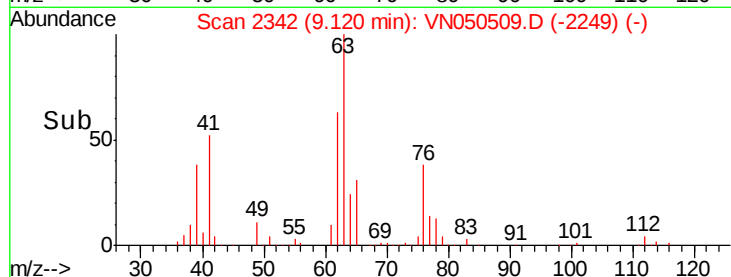
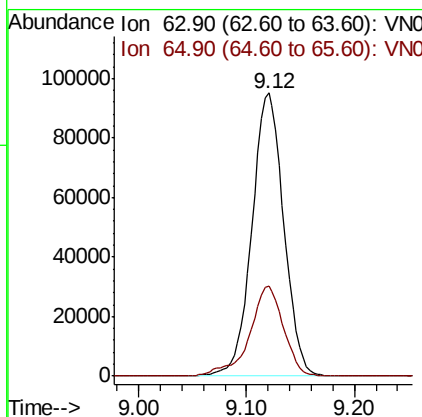
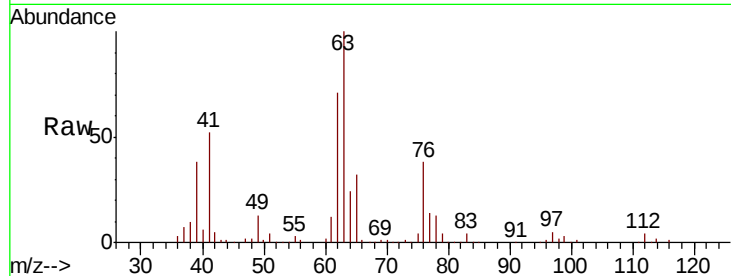
#45
 1,2-Dichloropropane
 Concen: 18.77 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion: 63 Resp: 194729
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.5 38.3

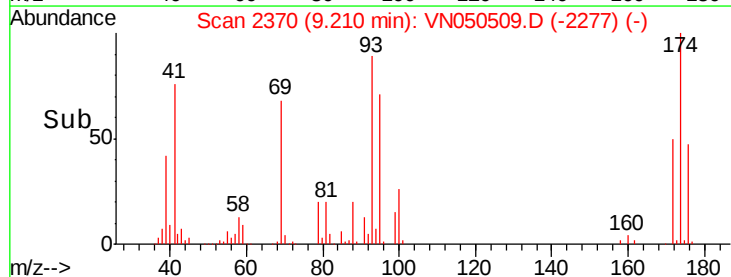
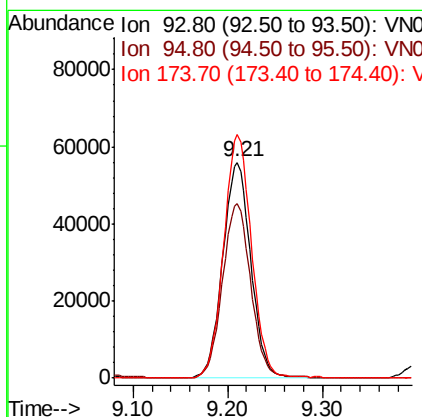
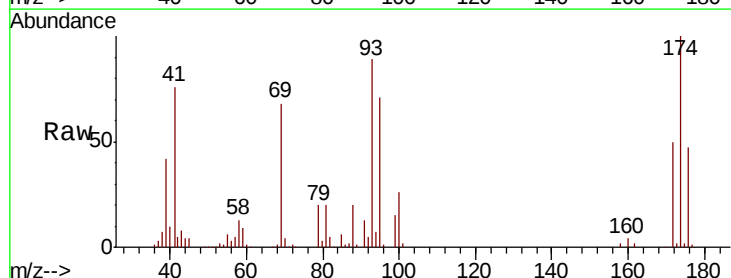
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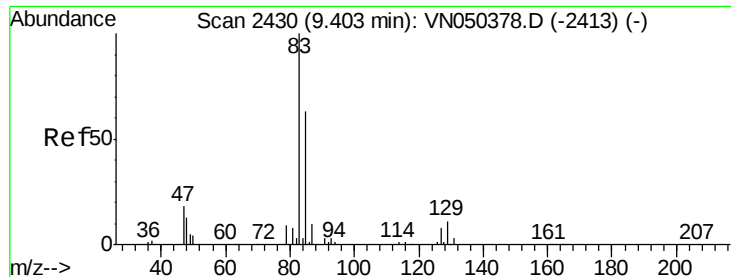
MMDadoda
 8/13/2018 11:05:30 AM



#46
 Dibromomethane
 Concen: 18.07 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion: 93 Resp: 115732
 Ion Ratio Lower Upper
 93 100
 95 81.5 66.6 100.0
 174 111.2 87.1 130.7





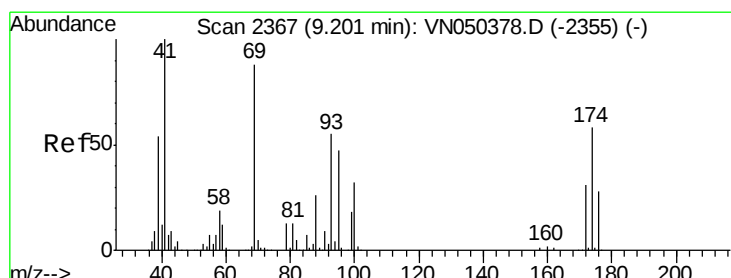
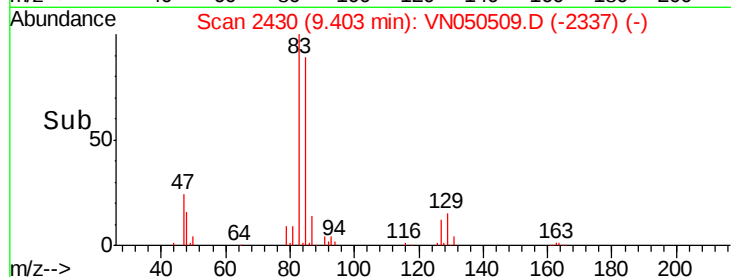
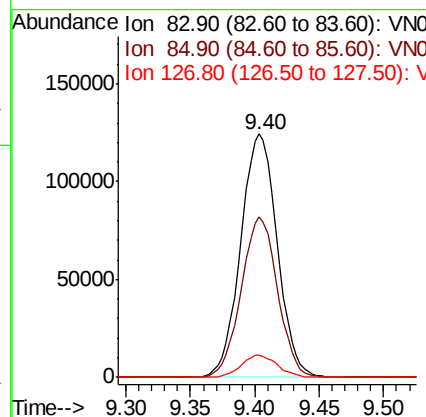
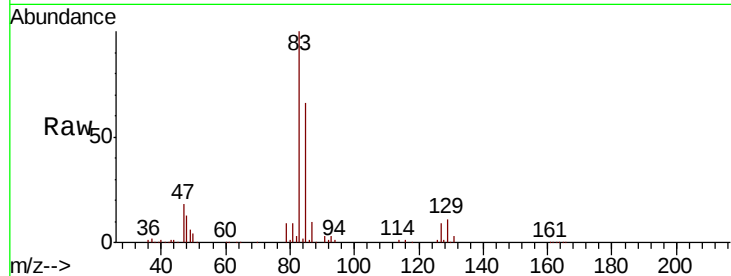
#47
Bromodichloromethane
Concen: 18.47 ug/l
RT: 9.40 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	245112		
85	65.7	51.1	76.7	
127	9.0	7.0	10.4	

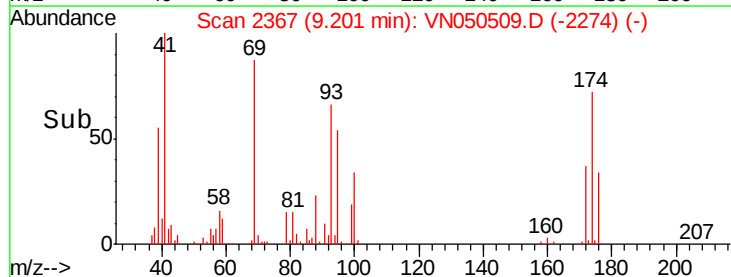
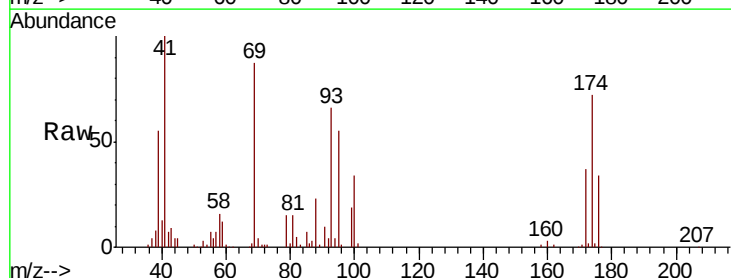
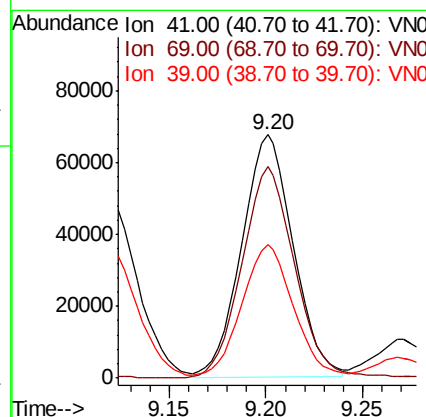
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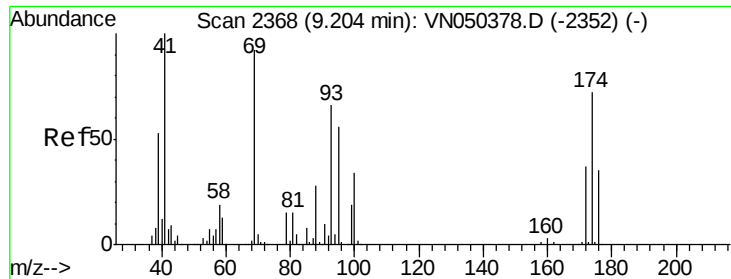
MMDadoda
8/13/2018 11:05:30 AM



#48
Methyl methacrylate
Concen: 15.65 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	125122		
69	89.8	70.6	105.8	
39	54.3	43.9	65.9	





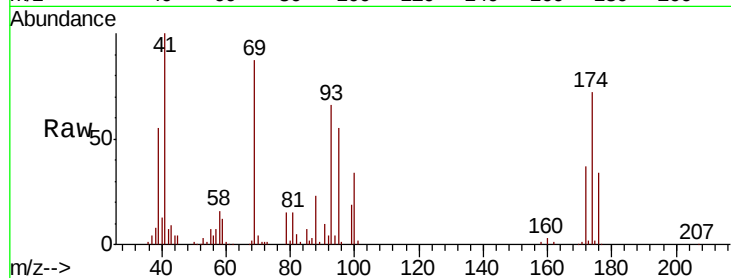
#49
1,4-Dioxane
Concen: 271.21 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.1	26.9	40.3
58	69.2	57.3	85.9

Manual Integrations
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MMDadoda
8/13/2018 11:05:30 AM

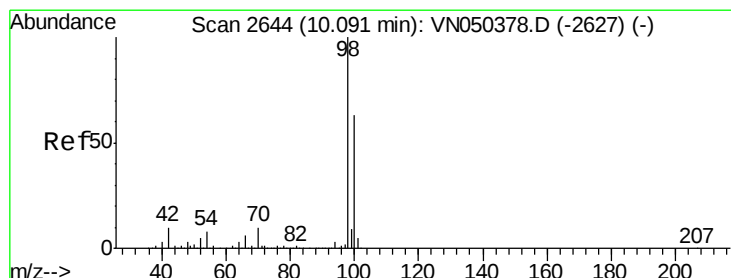
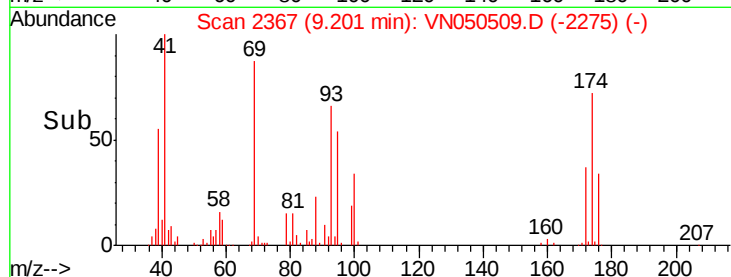
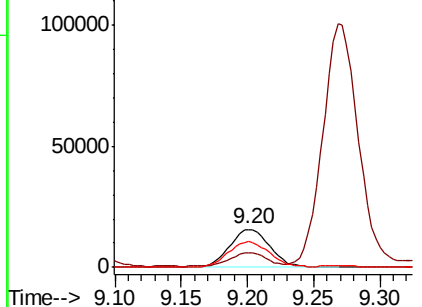


Abundance

Ion 88.00 (87.70 to 88.70): VN0

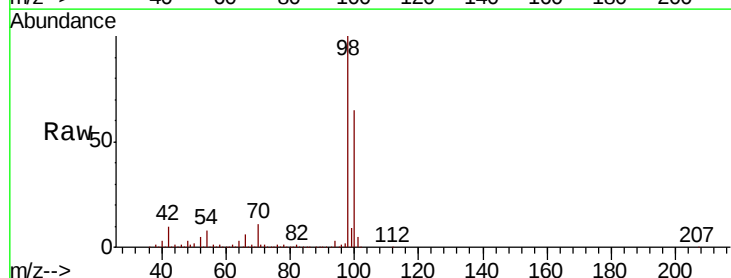
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 47.45 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

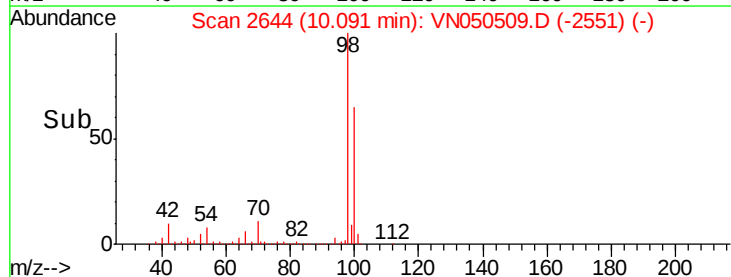
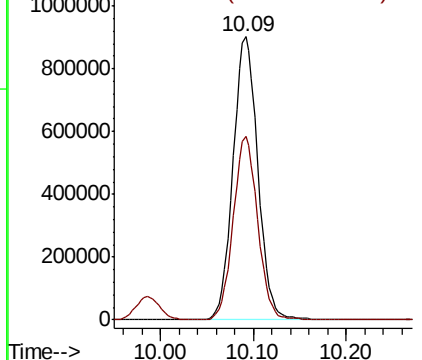
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	50.7	76.1

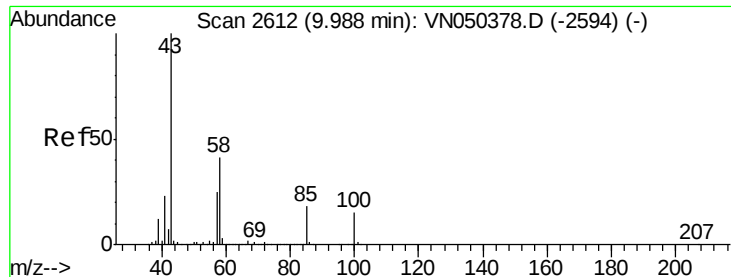


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





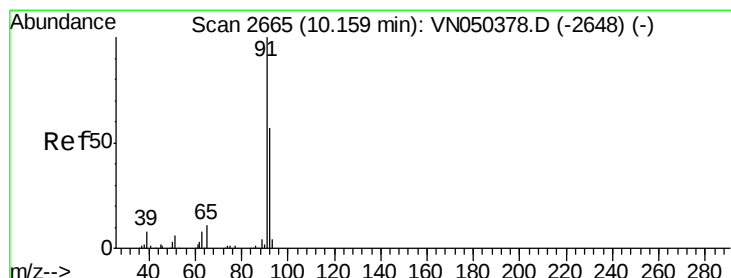
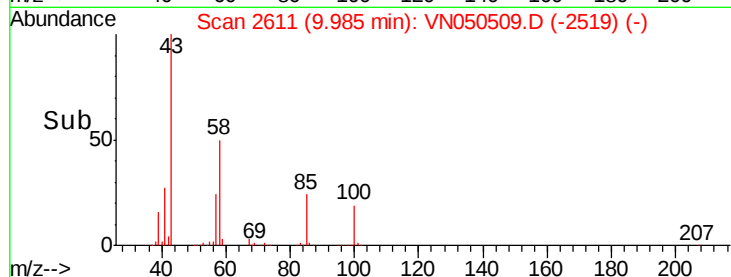
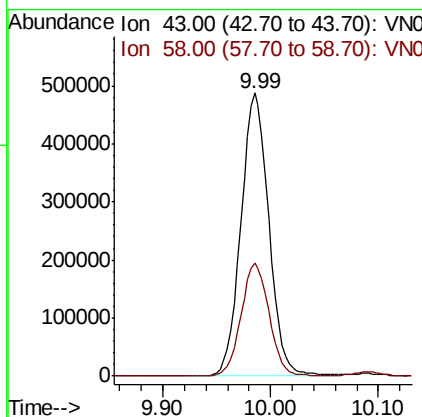
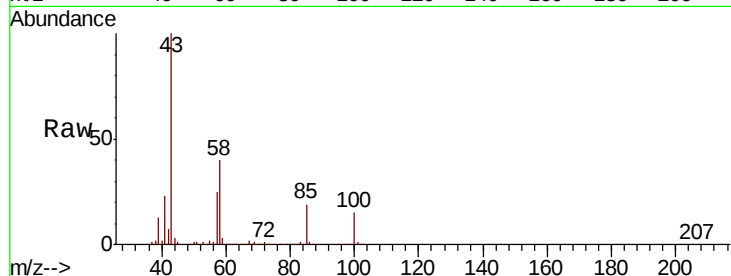
#51
4-Methyl-2-Pentanone
Concen: 76.33 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.1	31.9	47.9

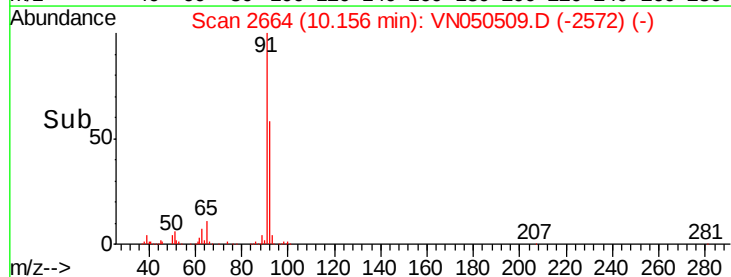
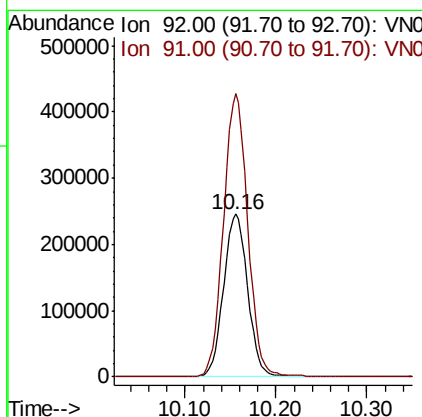
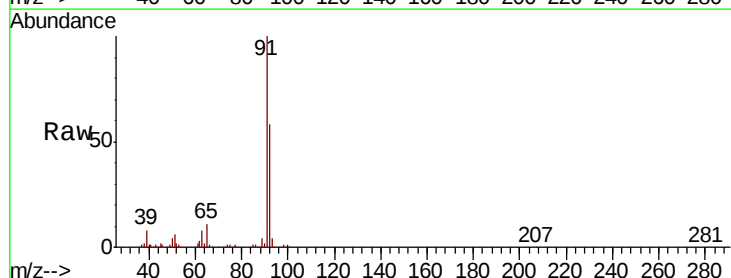
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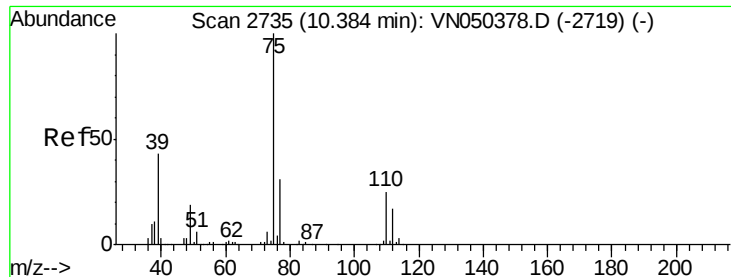
MMDadoda
8/13/2018 11:05:30 AM



#52
Toluene
Concen: 19.10 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.2	140.3	210.5





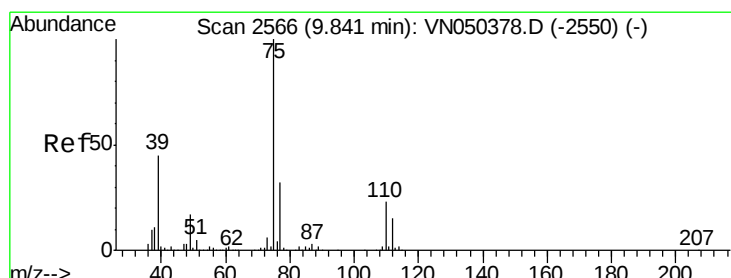
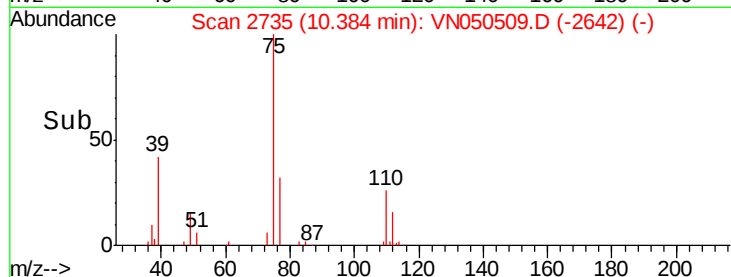
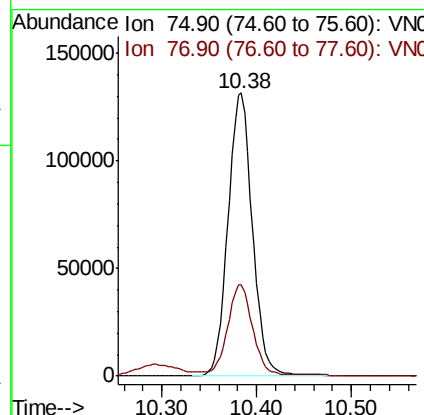
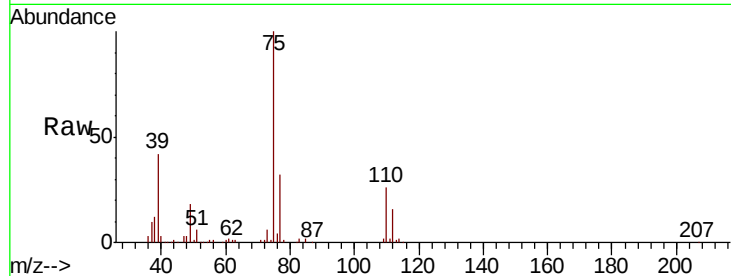
#53
t-1,3-Dichloropropene
Concen: 17.73 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	24.9	37.3

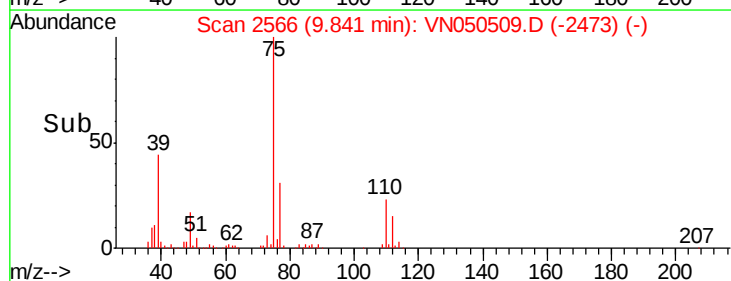
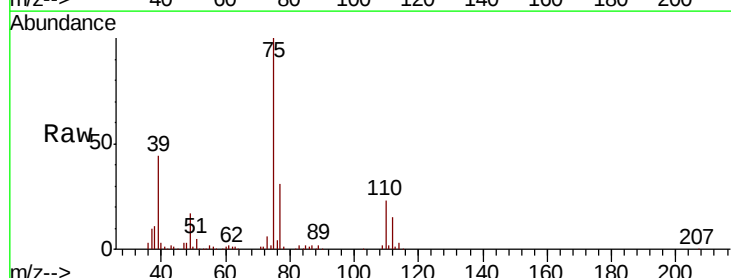
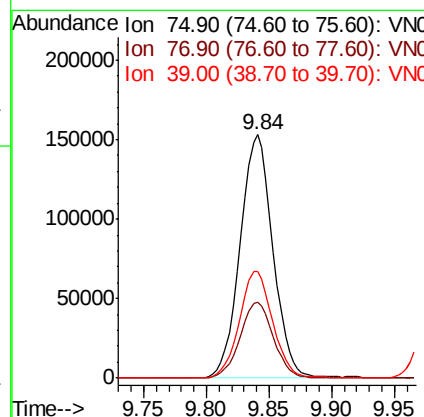
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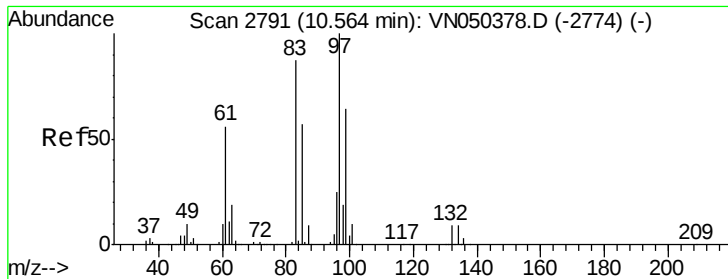
MMDadoda
8/13/2018 11:05:30 AM



#54
cis-1,3-Dichloropropene
Concen: 18.72 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.5	38.3
39	43.8	36.6	55.0





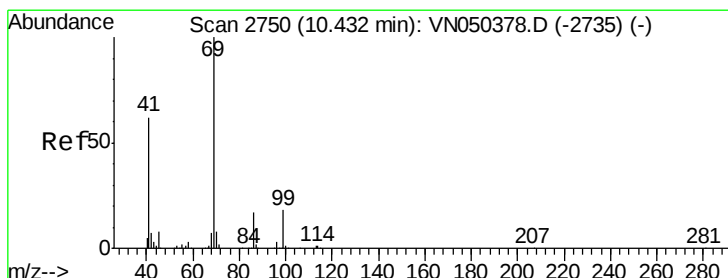
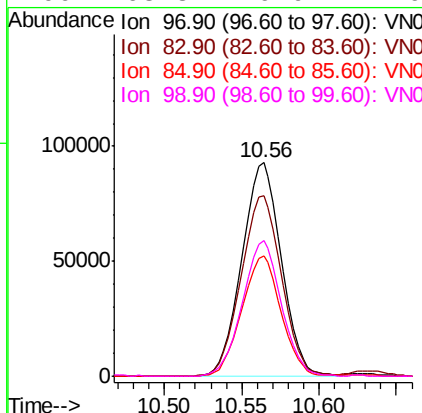
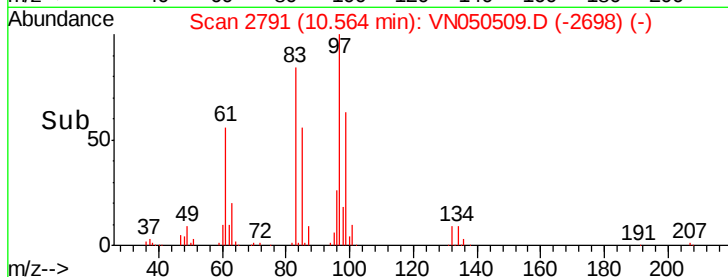
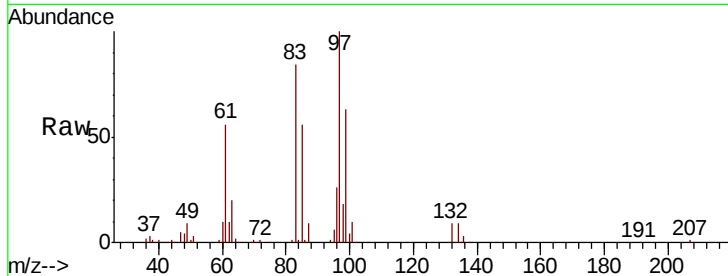
#55
 1,1,2-Trichloroethane
 Concen: 17.85 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	165156		
83	84.4	69.2	103.8	
85	56.5	44.0	66.0	
99	63.3	49.9	74.9	

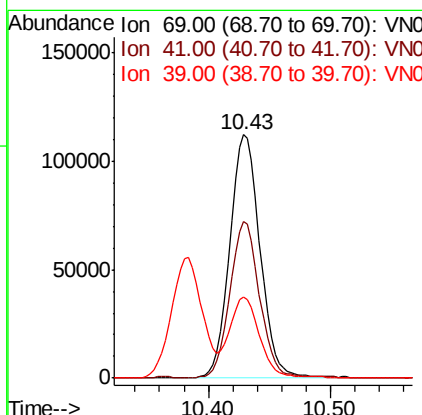
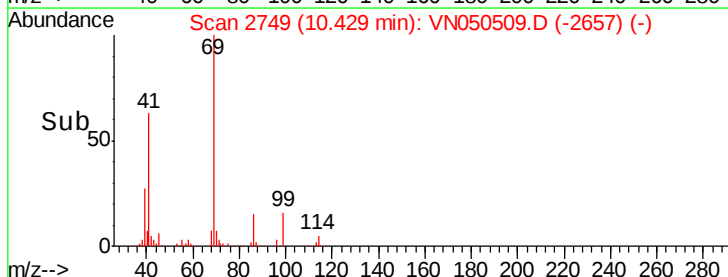
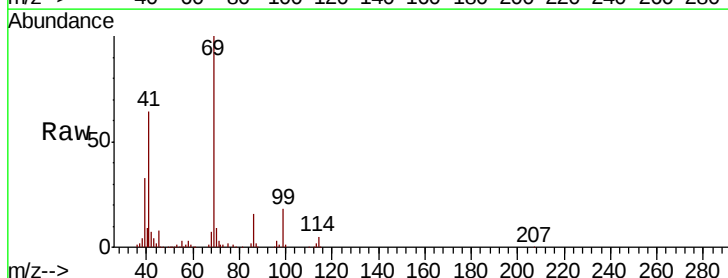
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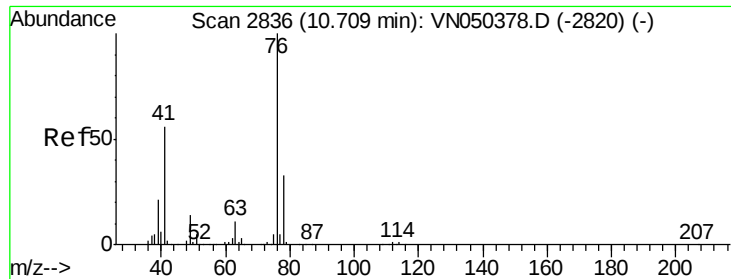
MMDadoda
 8/13/2018 11:05:30 AM



#56
 Ethyl methacrylate
 Concen: 16.07 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	194631		
41	62.4	51.0	76.4	
39	32.5	26.6	40.0	





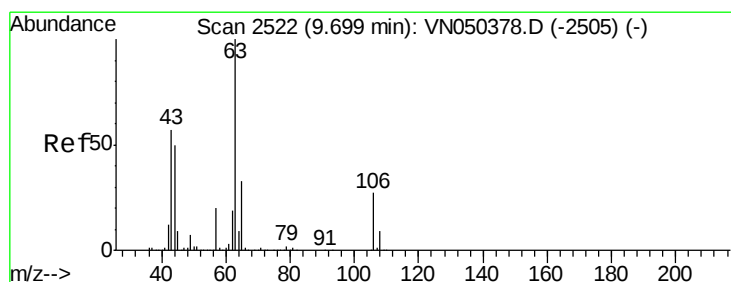
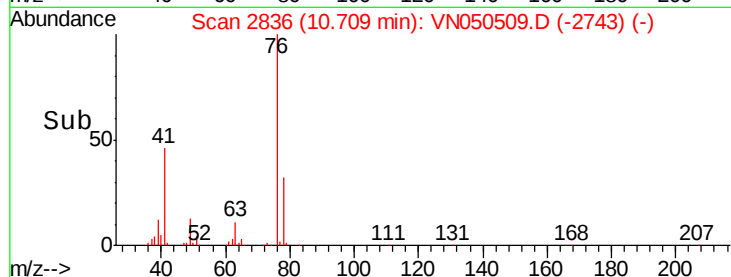
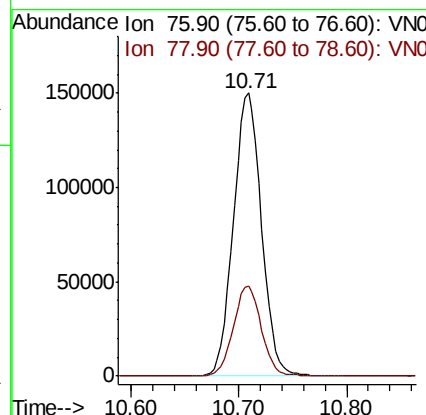
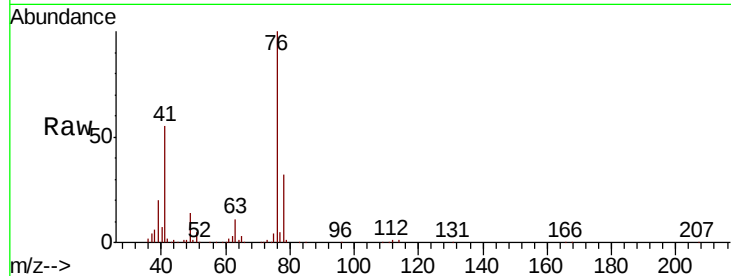
#57
 1,3-Dichloropropane
 Concen: 17.88 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion: 76 Resp: 271598
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5

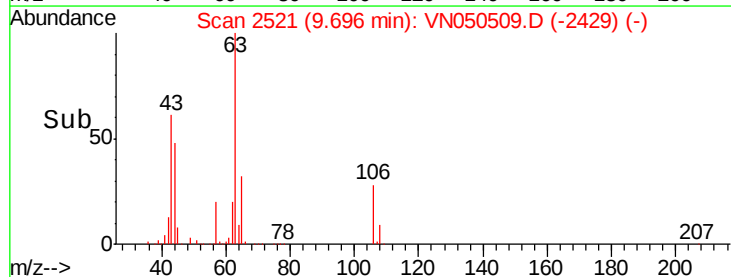
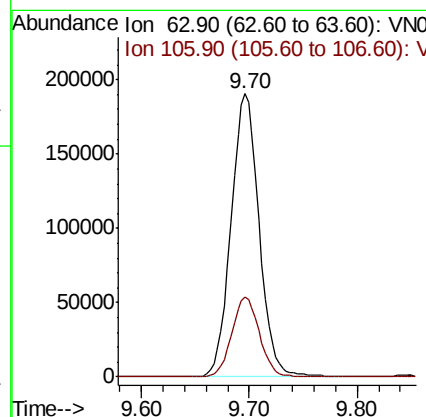
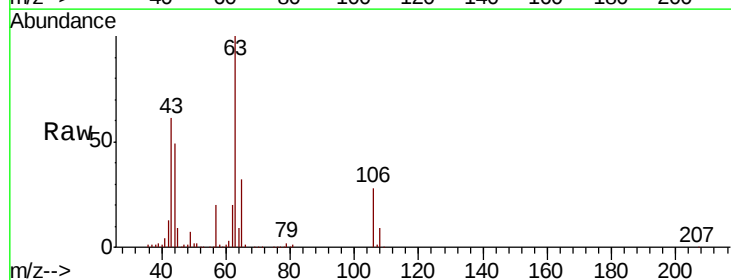
Manual Integrations
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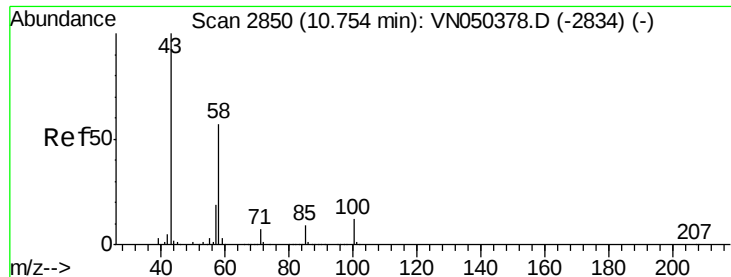
MMDadoda
 8/13/2018 11:05:30 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 62.28 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion: 63 Resp: 345217
 Ion Ratio Lower Upper
 63 100
 106 27.7 21.7 32.5





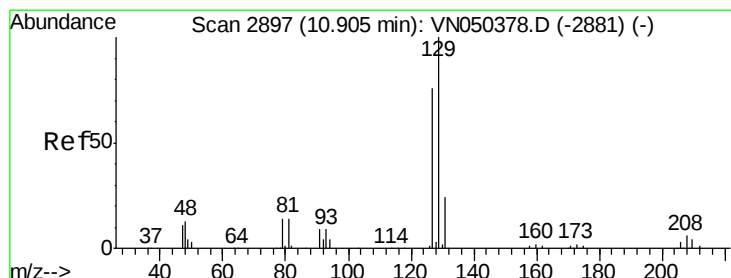
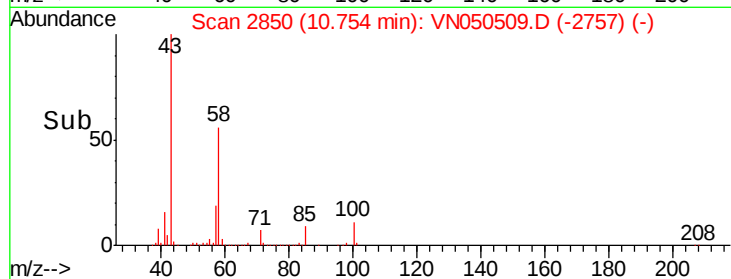
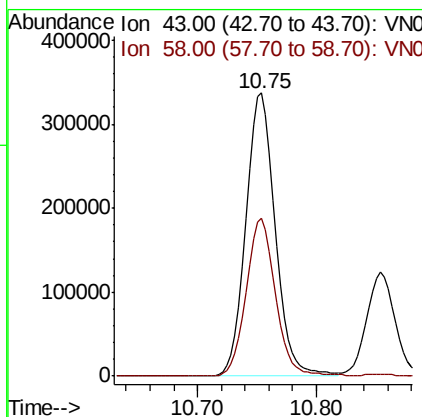
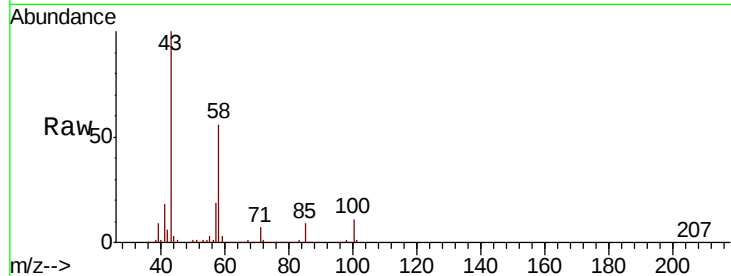
#59
2-Hexanone
Concen: 71.82 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	27.6	82.7

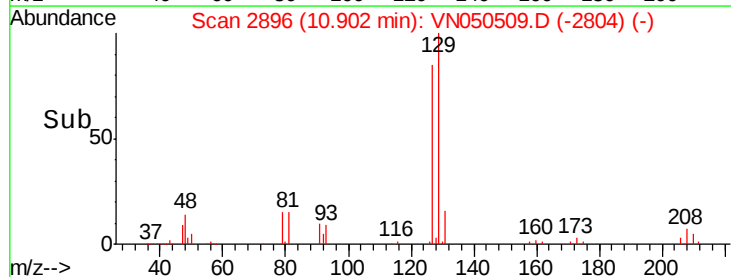
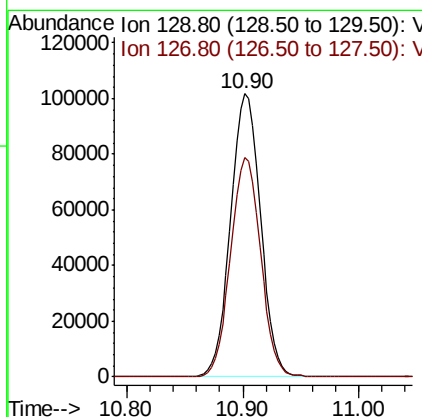
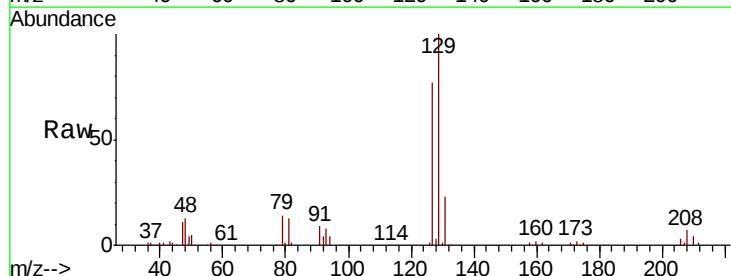
Manual Integrations
APPROVED

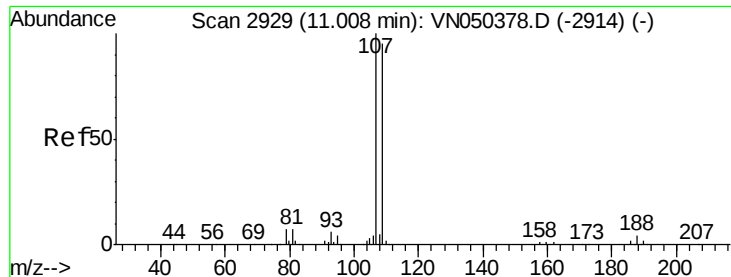
MMDadoda
8/13/2018 11:05:30 AM



#60
Dibromochloromethane
Concen: 17.95 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.0	113.9





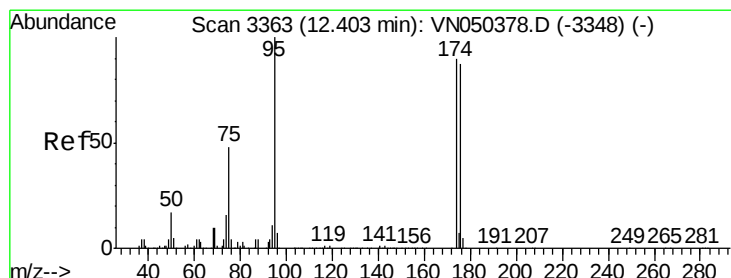
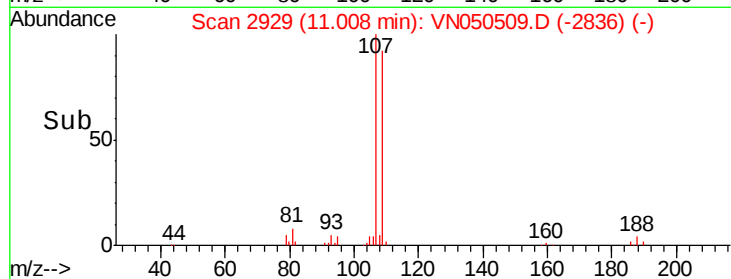
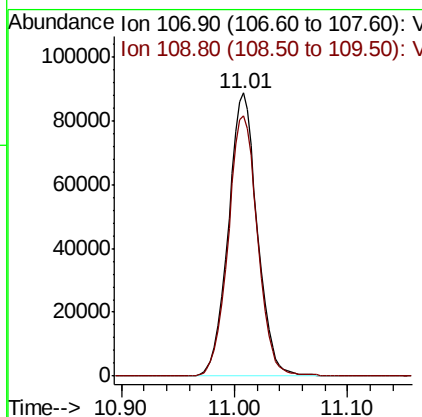
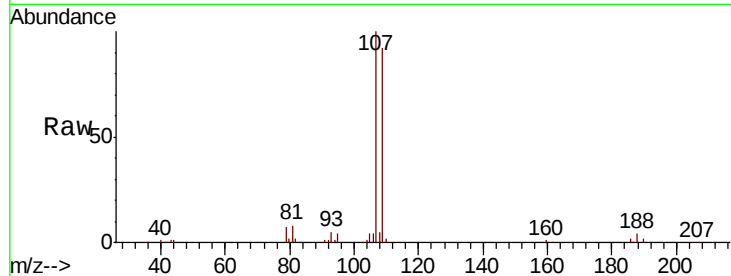
#61
 1,2-Dibromoethane
 Concen: 17.24 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.6	112.0

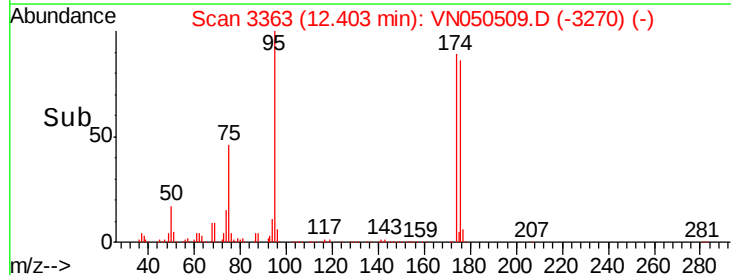
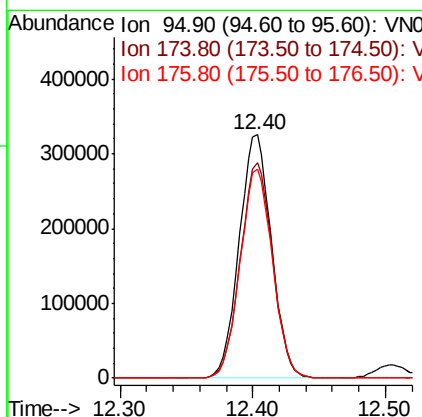
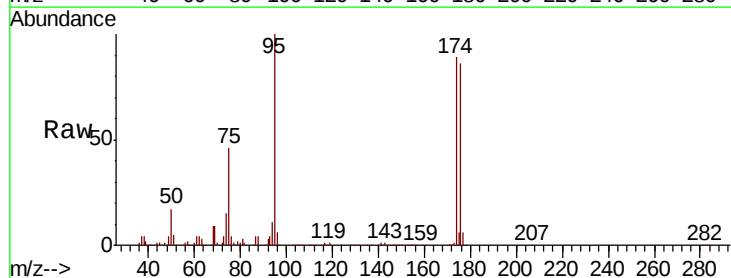
Manual Integrations
 APPROVED

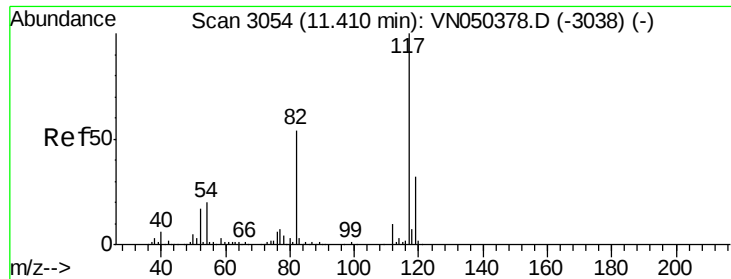
MMDadoda
 8/13/2018 11:05:30 AM



#62
 4-Bromofluorobenzene
 Concen: 45.66 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.0	0.0	178.2
176	86.2	0.0	173.4





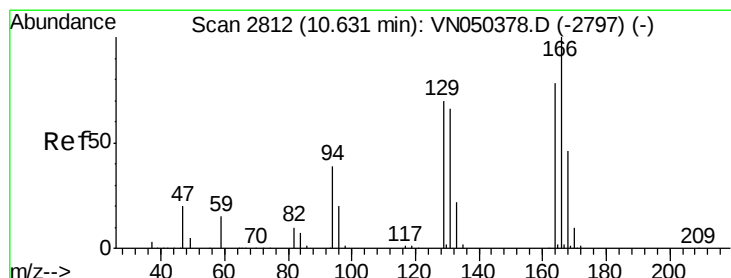
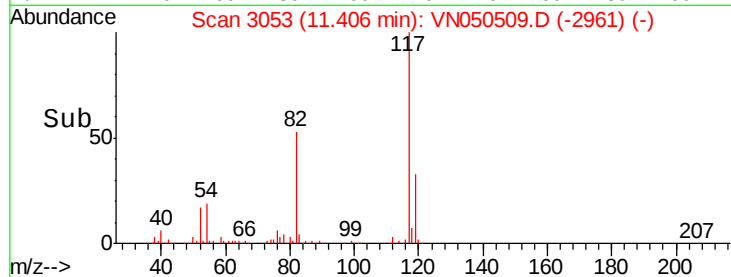
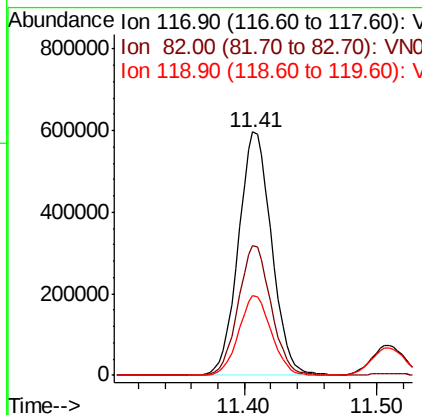
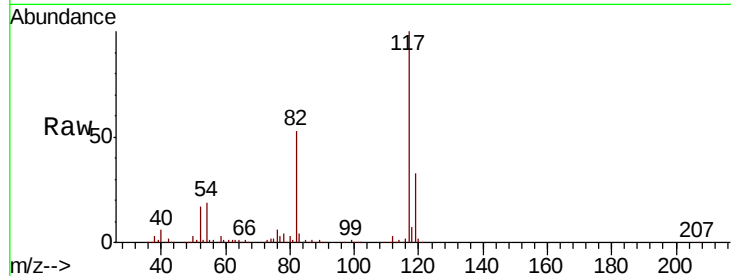
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3053
Delta R.T. -0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	43.7	65.5
119	32.6	26.1	39.1

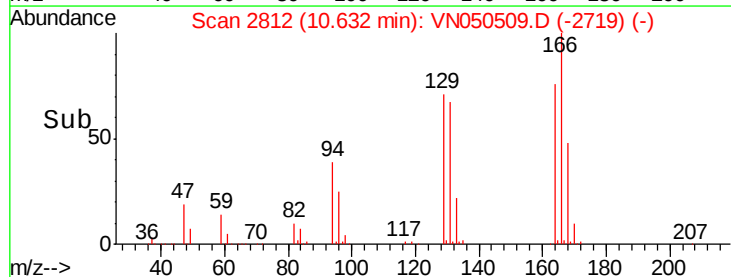
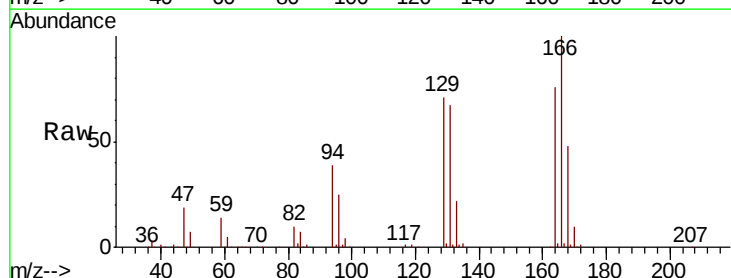
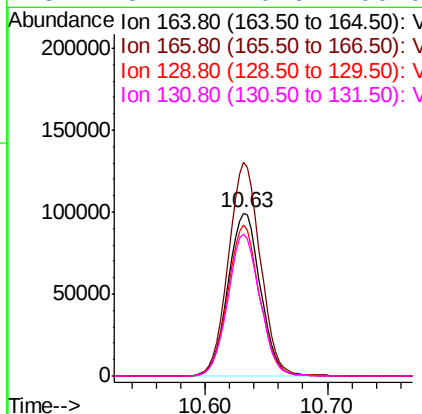
Manual Integrations
APPROVED

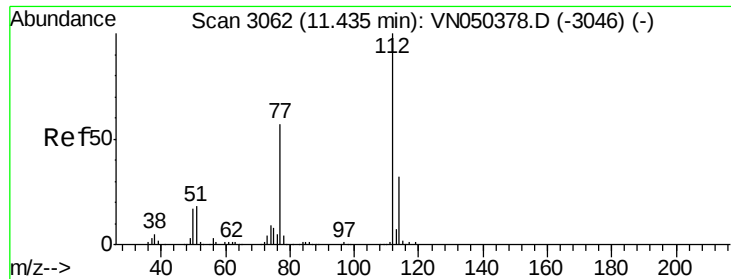
MMDadoda
8/13/2018 11:05:30 AM



#64
Tetrachloroethene
Concen: 19.06 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.9	102.1	153.1
129	92.7	73.2	109.8
131	87.4	70.6	106.0





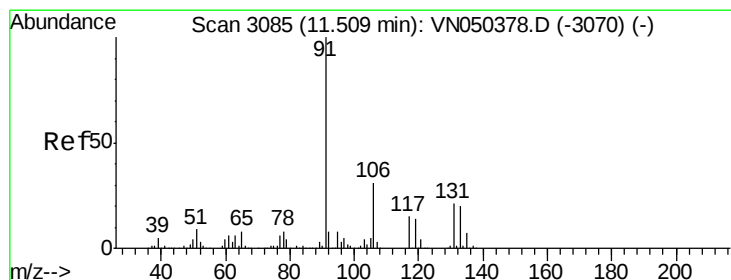
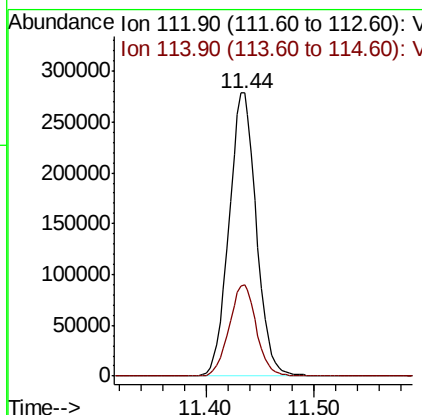
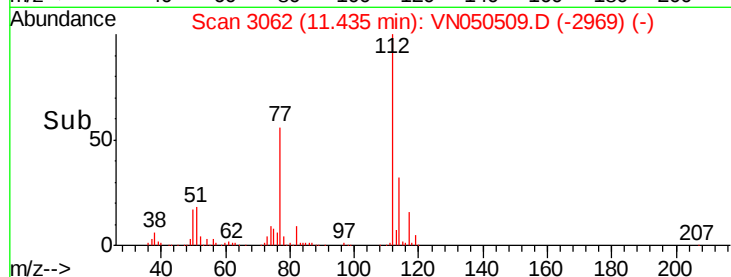
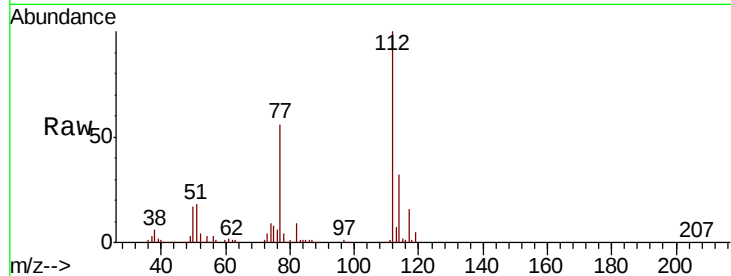
#65
Chlorobenzene
Concen: 18.90 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	491111		
114	32.3	25.6	38.4	

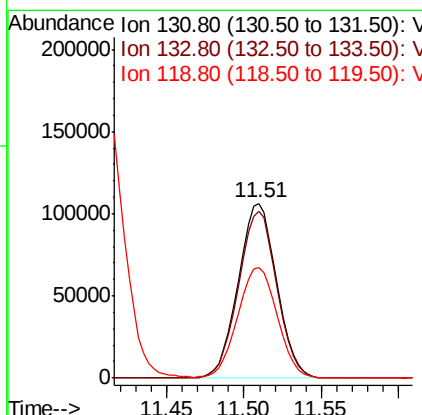
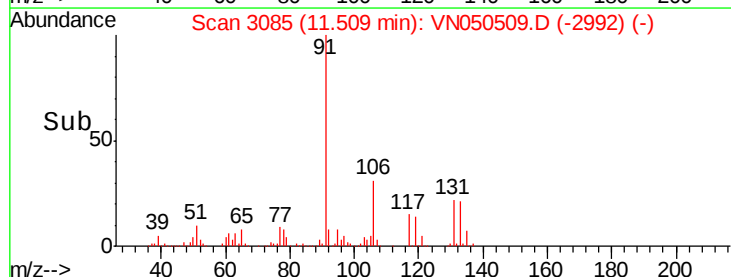
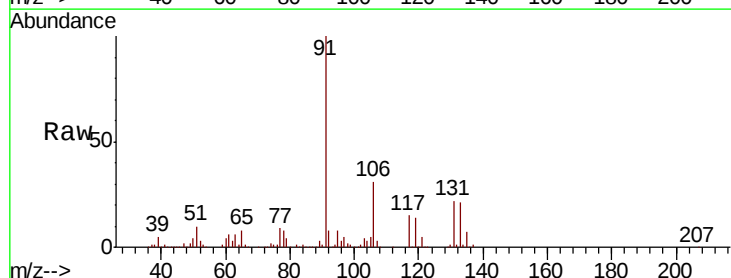
Manual Integrations
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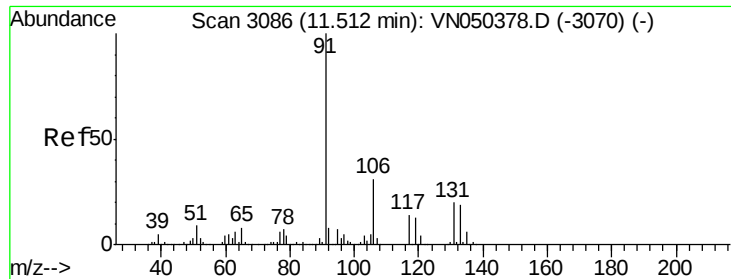
MMDadoda
8/13/2018 11:05:30 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.41 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	183559		
133	95.5	47.3	141.9	
119	65.6	32.9	98.7	





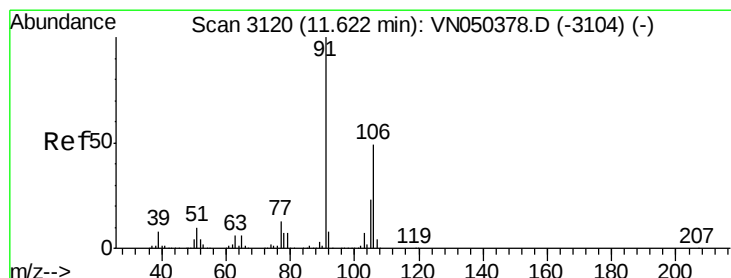
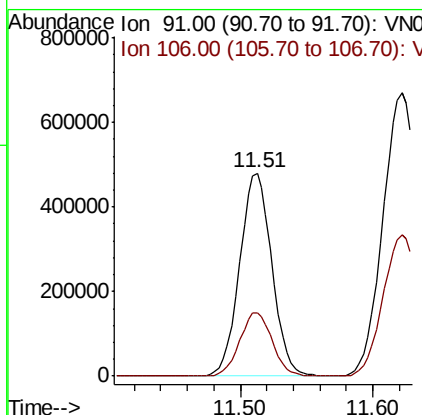
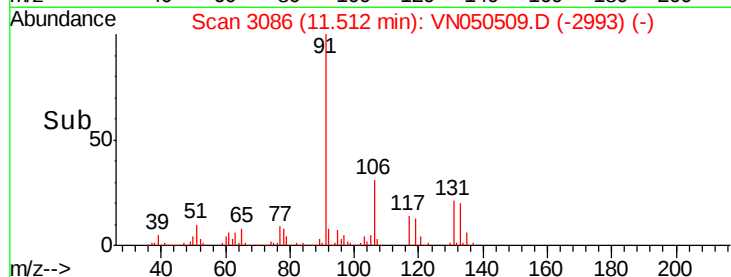
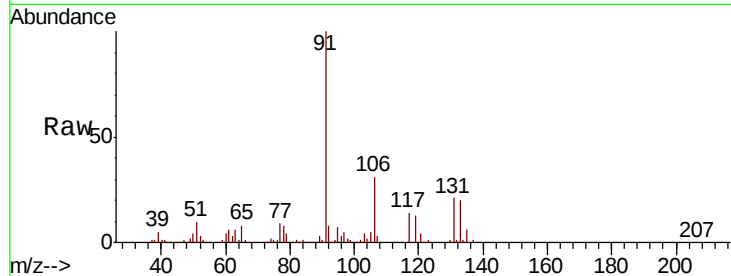
#67
Ethyl Benzene
Concen: 19.24 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion: 91 Resp: 808115
Ion Ratio Lower Upper
91 100
106 31.5 25.0 37.4

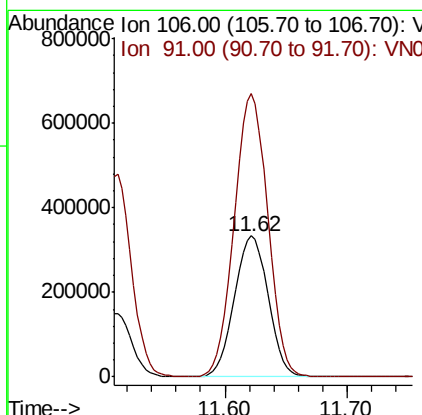
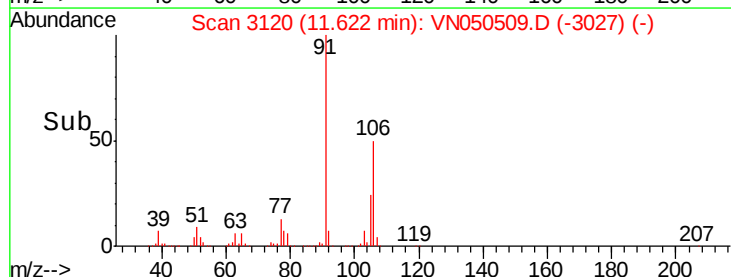
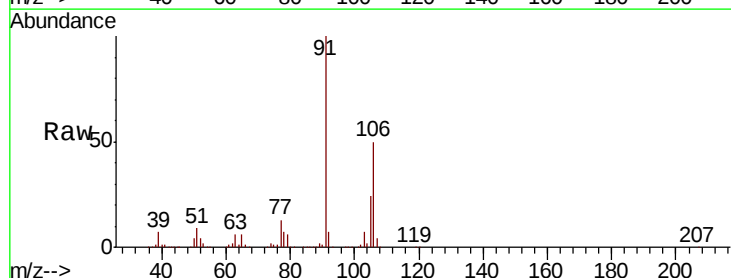
Manual Integrations
APPROVED

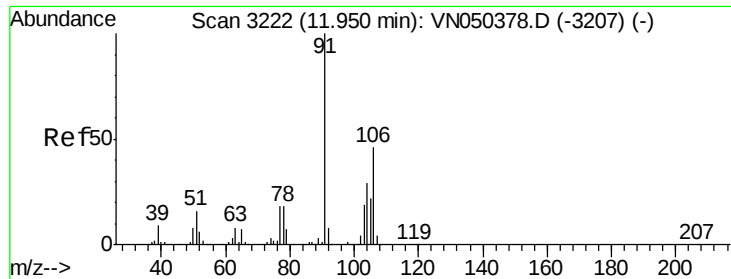
MMDadoda
8/13/2018 11:05:30 AM



#68
m/p-Xylenes
Concen: 39.90 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion: 106 Resp: 638138
Ion Ratio Lower Upper
106 100
91 199.8 162.2 243.2





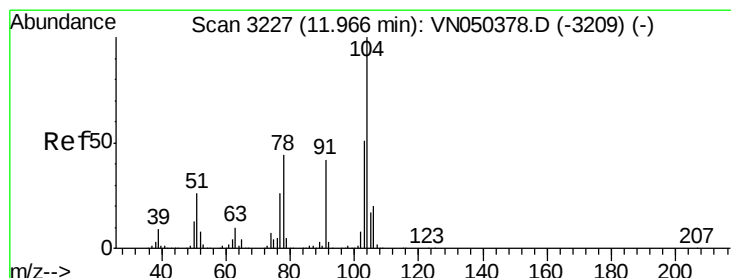
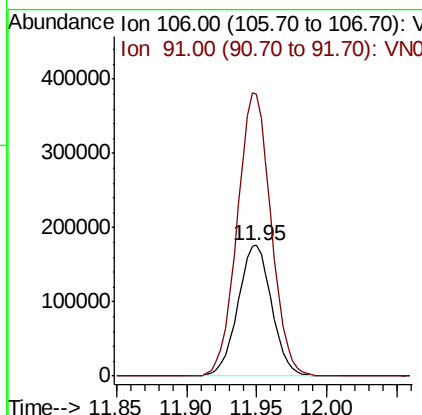
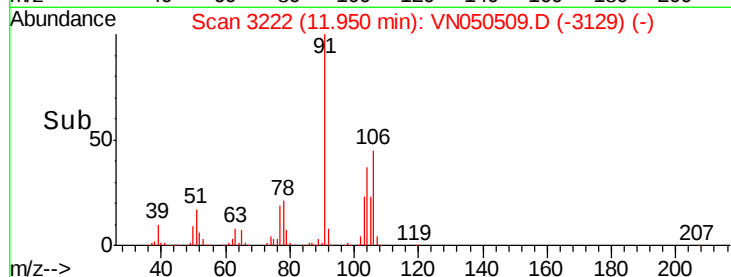
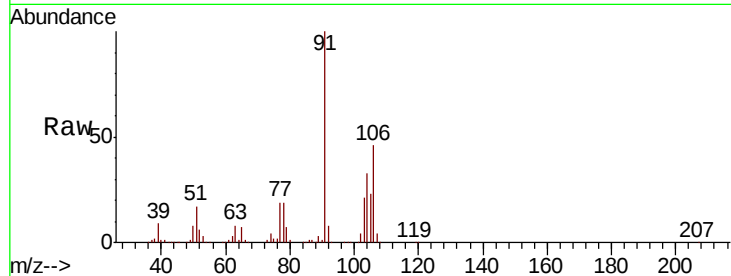
#69
o-Xylene
Concen: 19.27 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	215.9	107.7	323.1

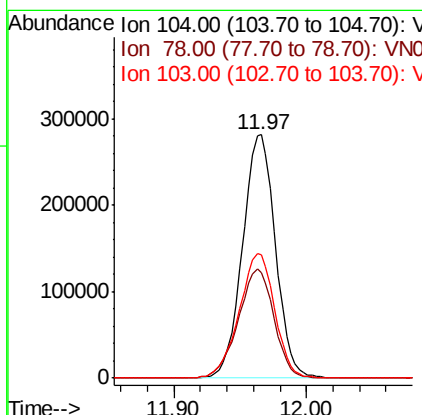
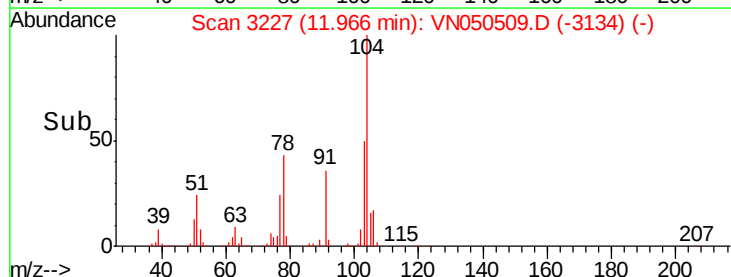
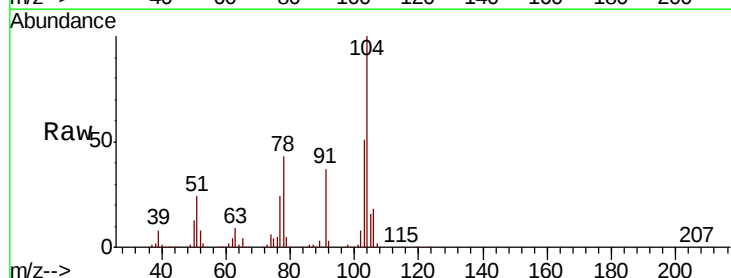
Manual Integrations
APPROVED

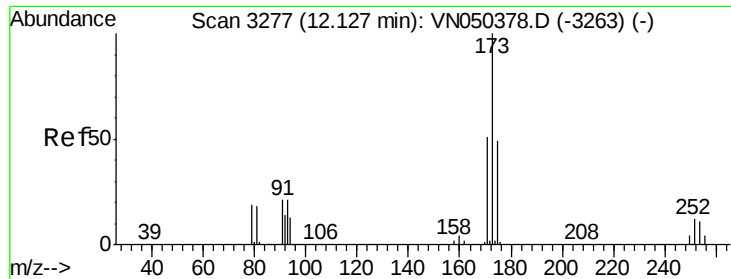
MMDadoda
8/13/2018 11:05:30 AM



#70
Styrene
Concen: 19.36 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.3	58.9
103	55.4	45.0	67.6





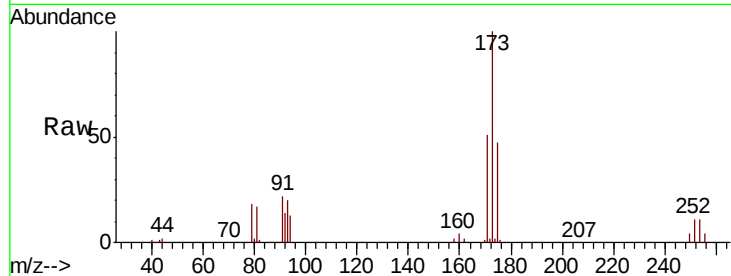
#71
 Bromoform
 Concen: 17.51 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampled :
 VN0810WBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.1	72.2
254	0.0	0.2	0.2

Manual Integrations
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 8/13/2018 11:05:30 AM

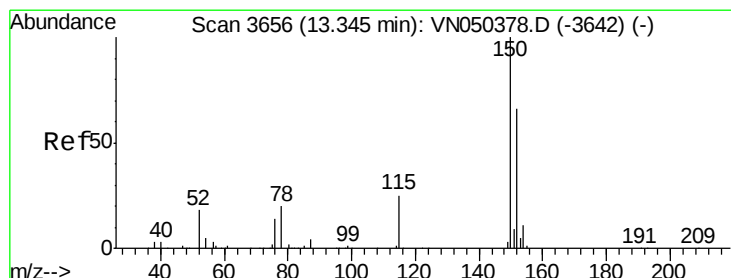
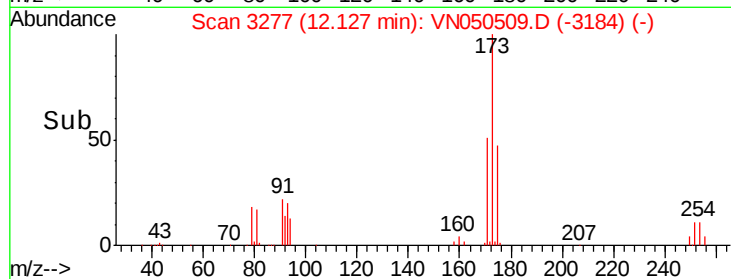
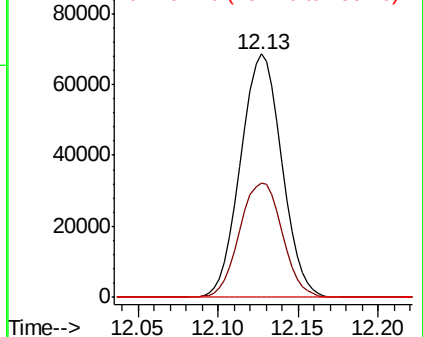


Abundance

Ion 172.70 (172.40 to 173.40): V

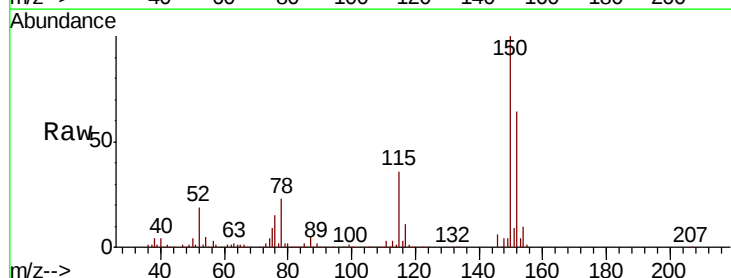
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.34 min Scan# 3655
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.8	83.3
150	163.4	0.0	348.6

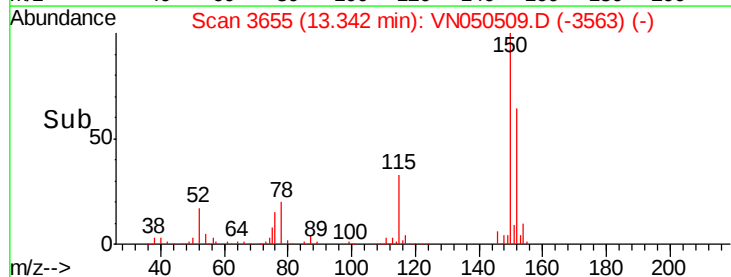
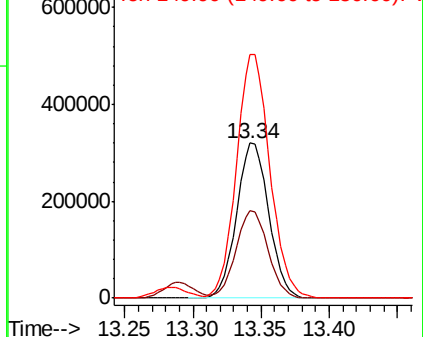


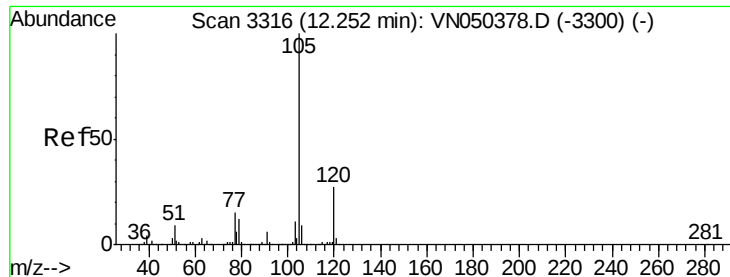
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.26 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS01

Tot Ion: 105 Resp: 794937

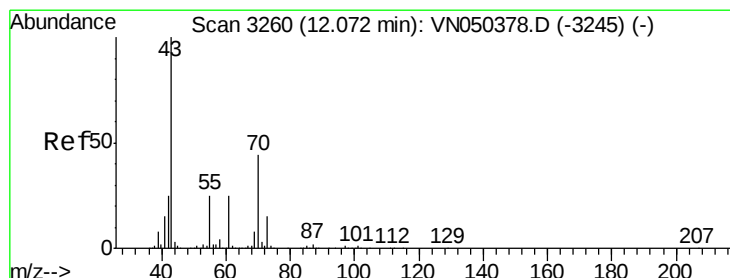
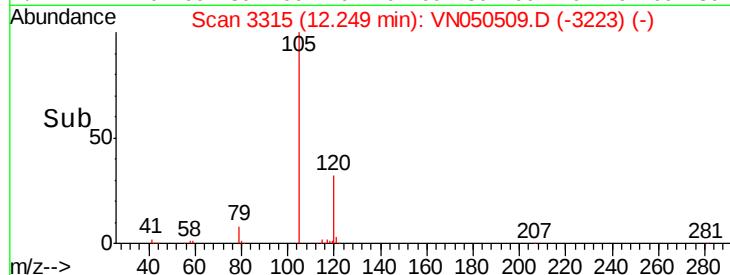
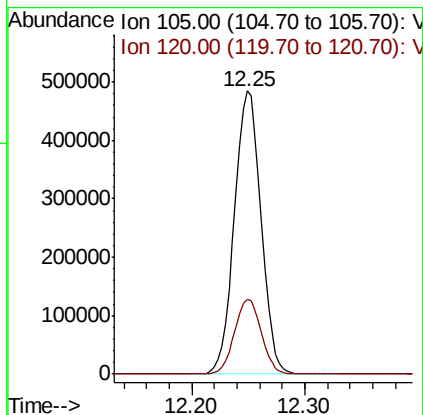
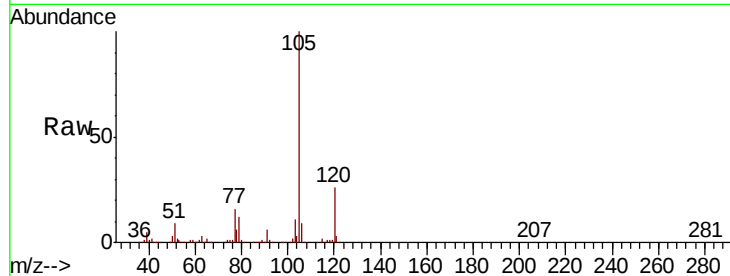
Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8

Manual Integrations
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8/13/2018 11:05:30 AM



#74

N-ethyl acetate

Concen: 15.59 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion: 43 Resp: 198351

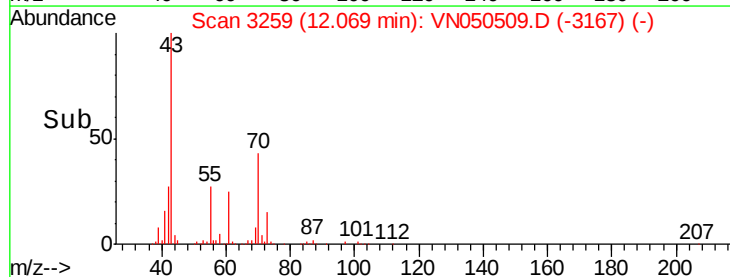
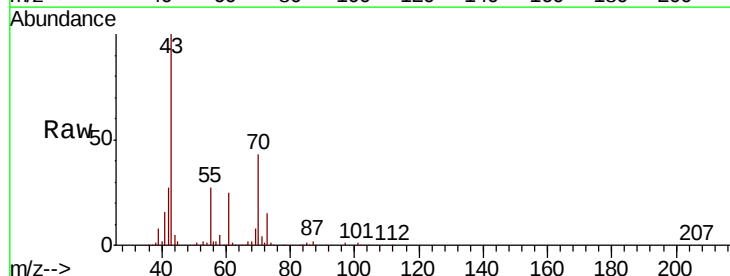
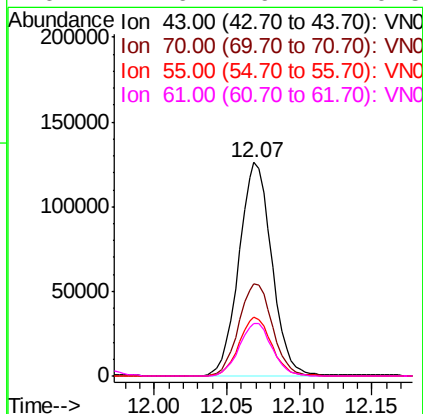
Ion Ratio Lower Upper

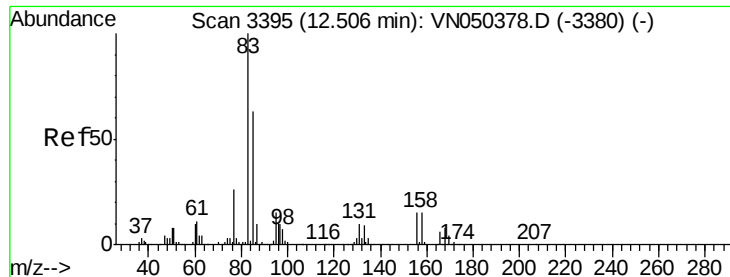
43 100

70 44.3 34.4 51.6

55 27.4 20.8 31.2

61 24.6 19.7 29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.01 ug/l

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

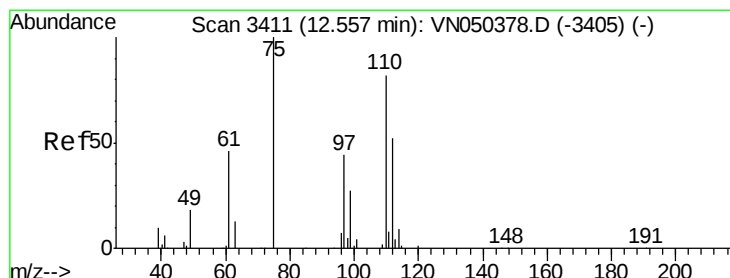
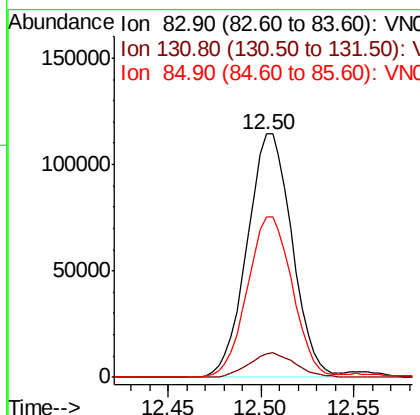
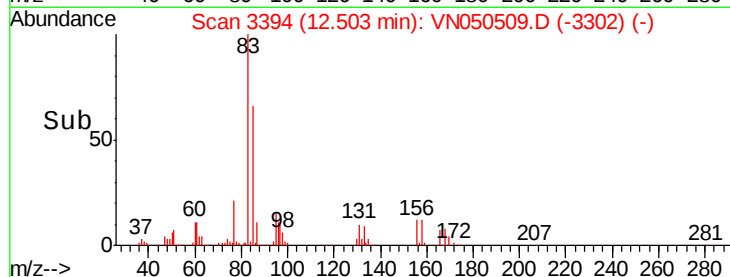
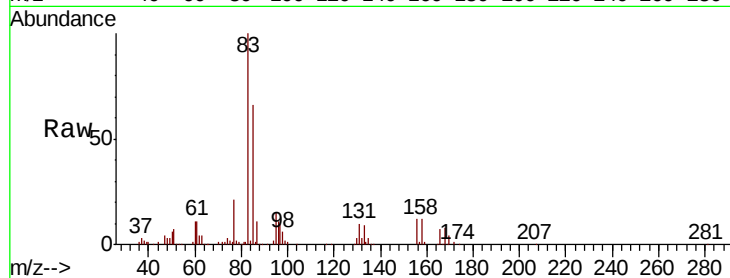
ClientSampleId :

VN0810WBS01

Tot Ion:	83	Resp:	192615
Ion Ratio	Lower	Upper	
83	100		
131	10.4	5.1	15.3
85	66.0	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 16.62 ug/l m

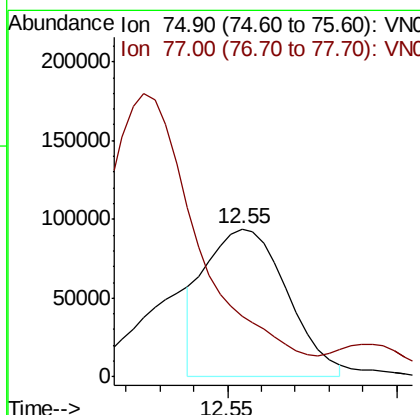
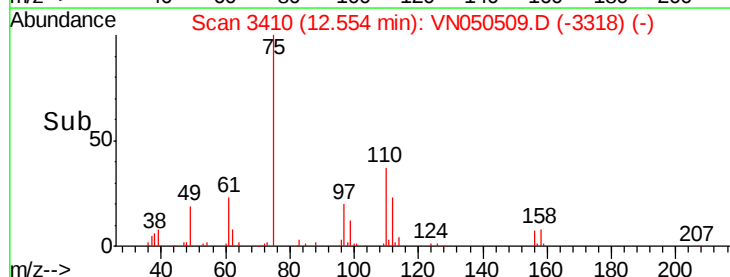
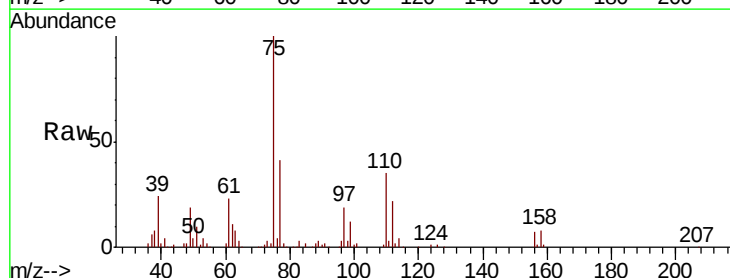
RT: 12.55 min Scan# 3410

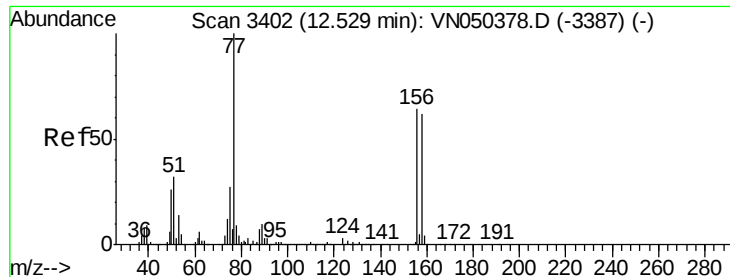
Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	75	Resp:	157224
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.76 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

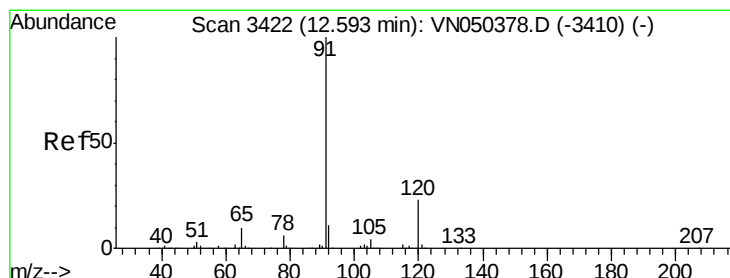
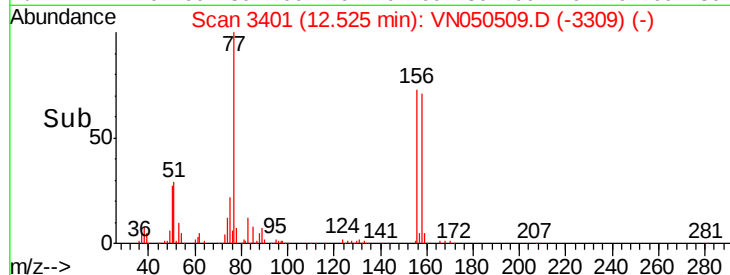
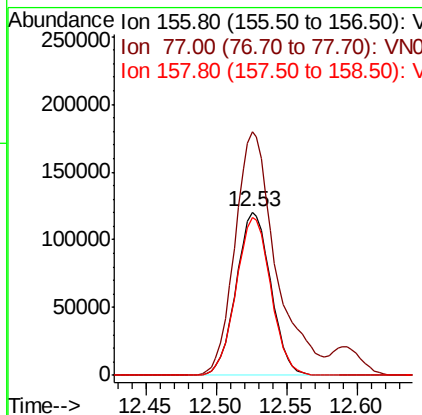
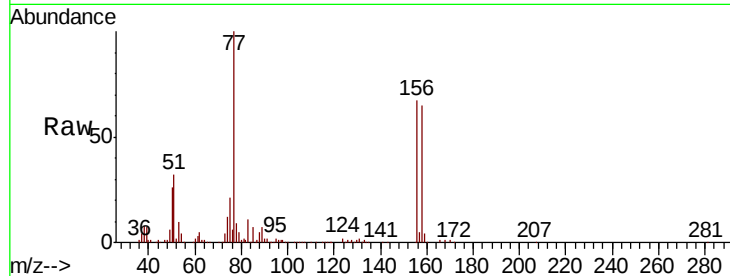
ClientSampleId :

VN0810WBS01

Tot Ion:	156	Resp:	207710
Ion Ratio	Lower	Upper	
156	100		
77	176.2	91.7	275.1
158	97.1	48.9	146.6

Manual Integrations
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#78

n-propylbenzene

Concen: 20.42 ug/l

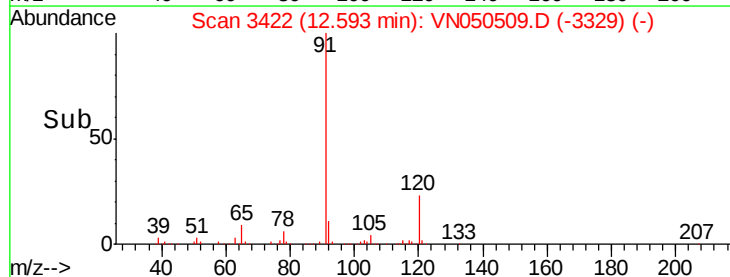
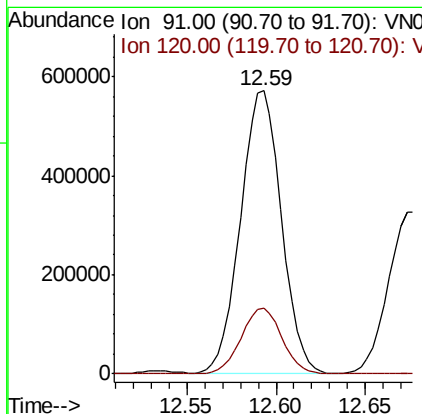
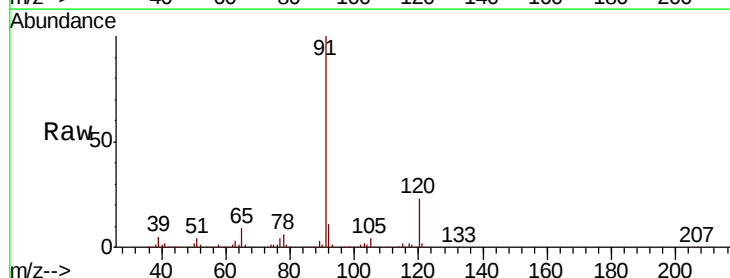
RT: 12.59 min Scan# 3422

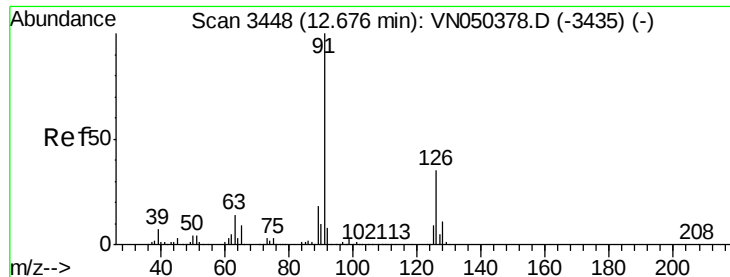
Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	91	Resp:	907186
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.6	34.7





#79

2-Chlorotoluene

Concen: 19.84 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampled :

VN0810WBS01

Tot Ion: 91 Resp: 544328

Ion Ratio Lower Upper

91 100

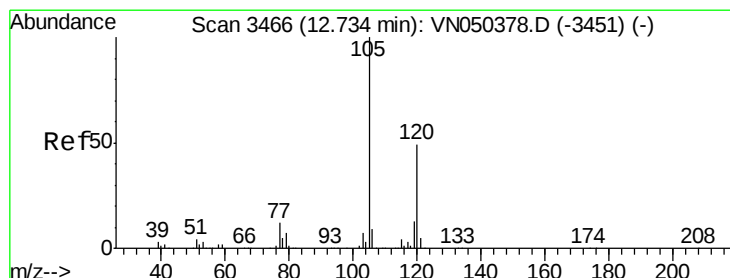
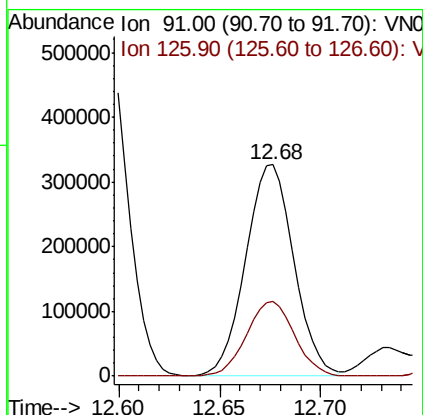
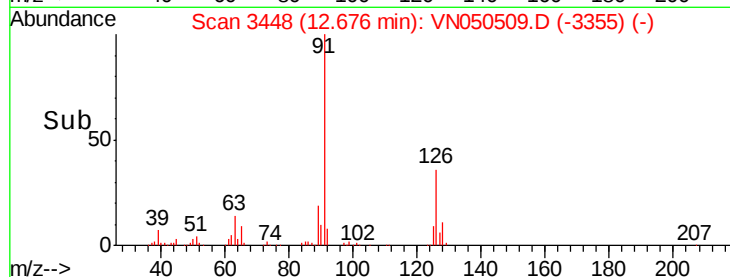
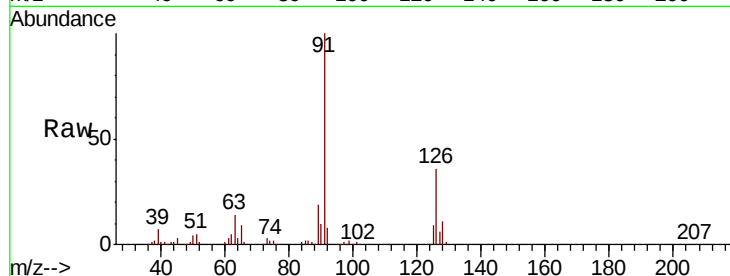
126 35.4 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 20.56 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050509.D

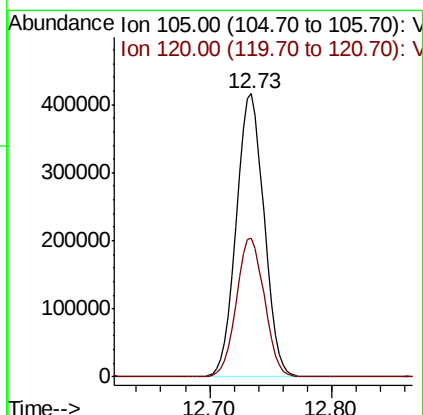
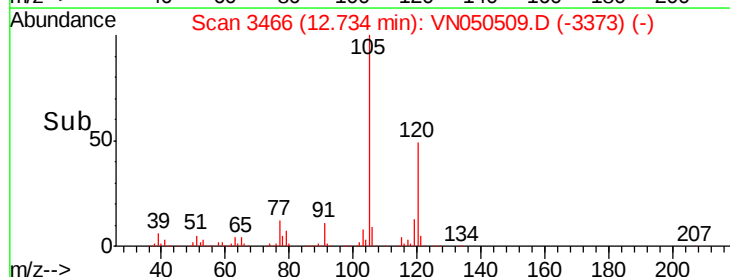
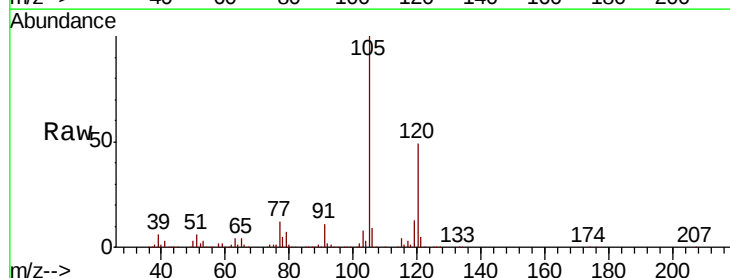
Acq: 10 Aug 2018 11:39

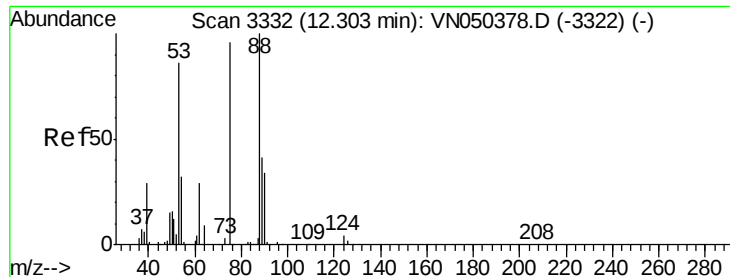
Tgt Ion: 105 Resp: 654784

Ion Ratio Lower Upper

105 100

120 49.3 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 16.42 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion: 75 Resp: 44226

Ion Ratio Lower Upper

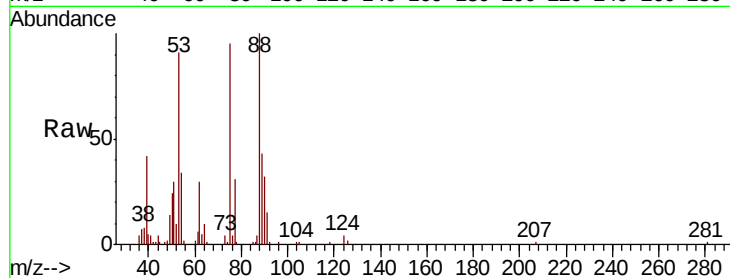
75 100

53 96.6 73.5 110.3

89 46.1 36.0 54.0

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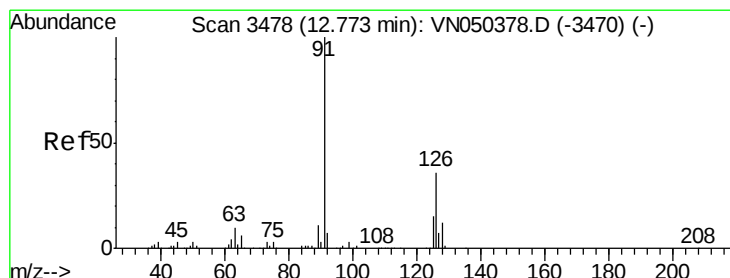
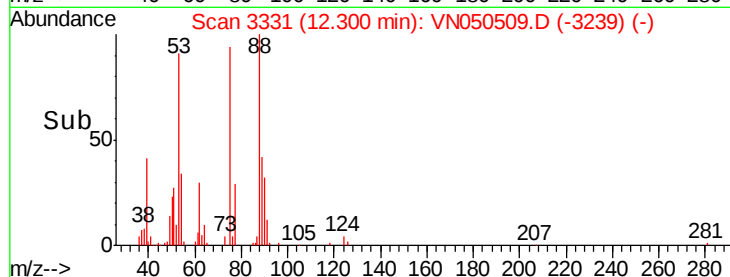
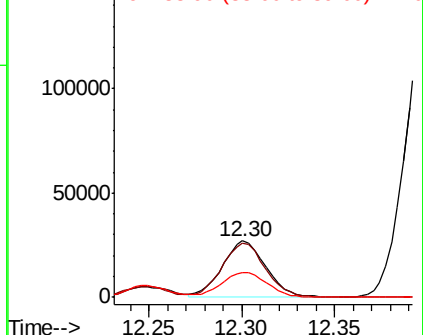


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.07 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050509.D

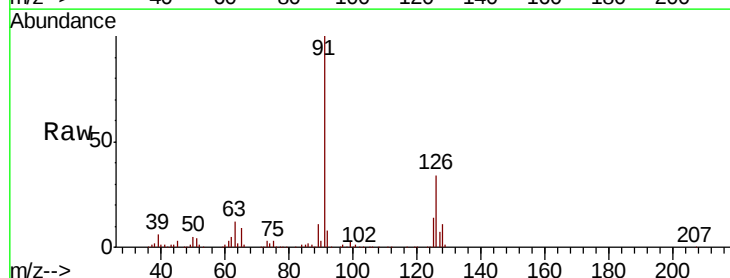
Acq: 10 Aug 2018 11:39

Tgt Ion: 91 Resp: 549169

Ion Ratio Lower Upper

91 100

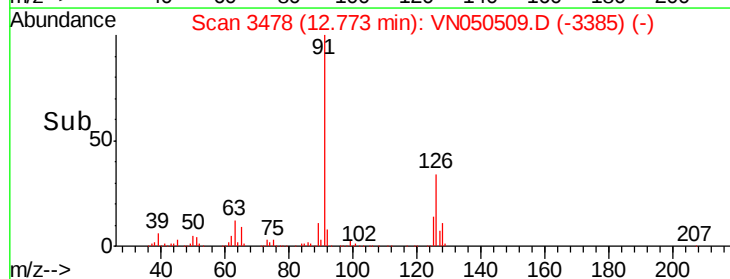
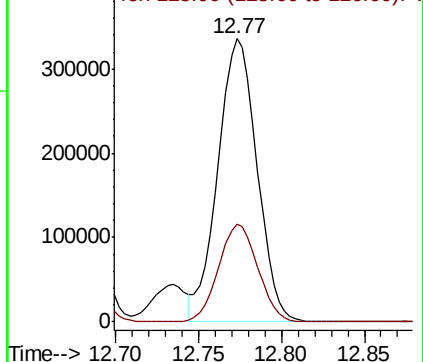
126 34.6 17.0 51.0

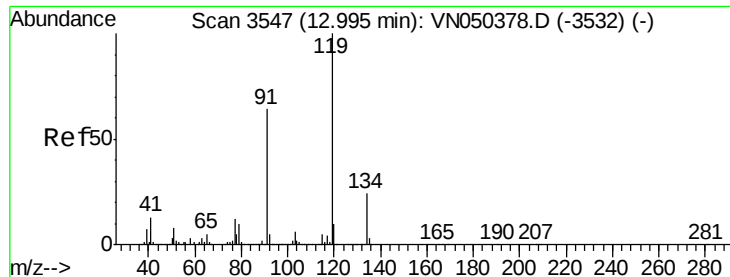


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





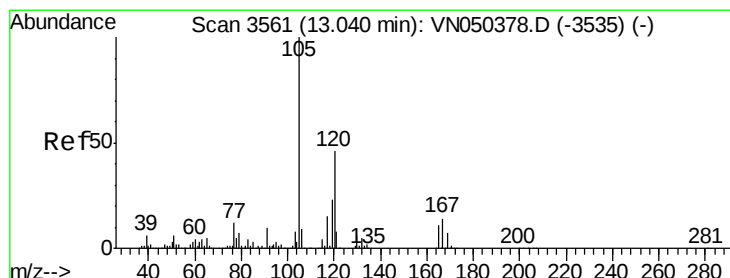
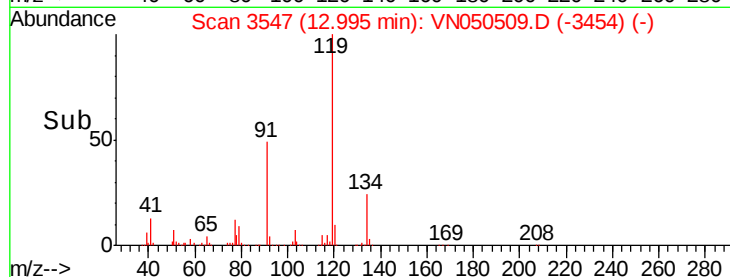
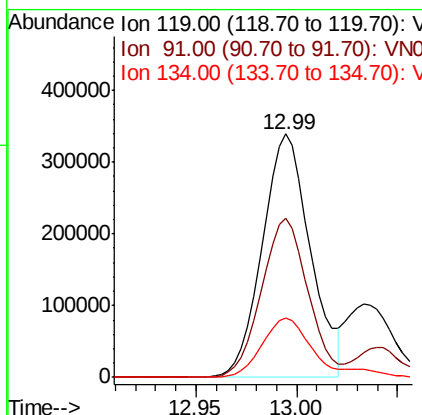
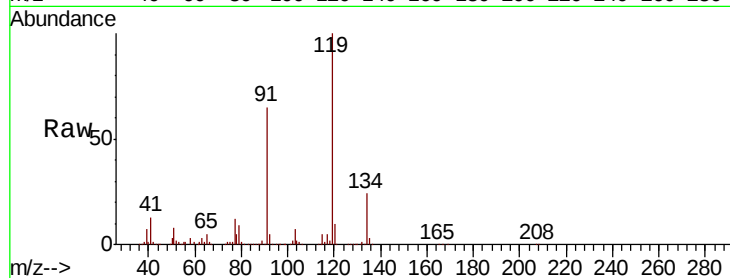
#83
tert-Butylbenzene
Concen: 20.19 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampleId :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.9	32.1	96.3
134	24.5	13.2	39.5

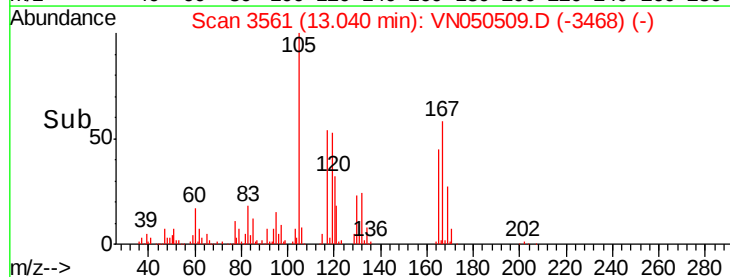
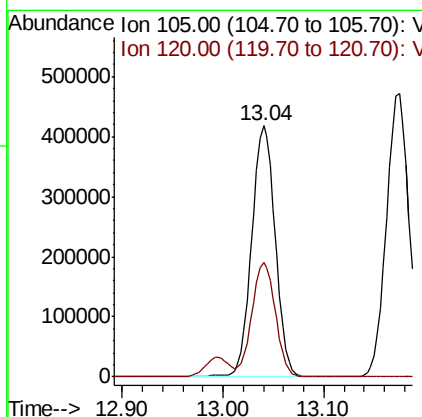
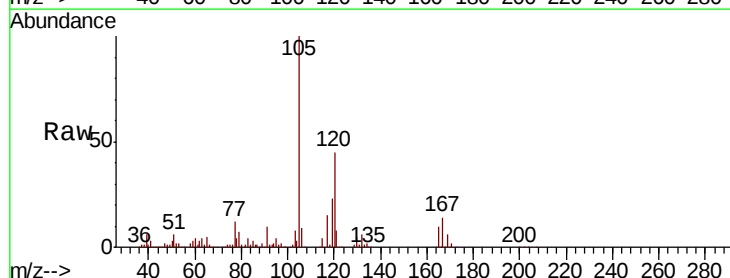
Manual Integrations
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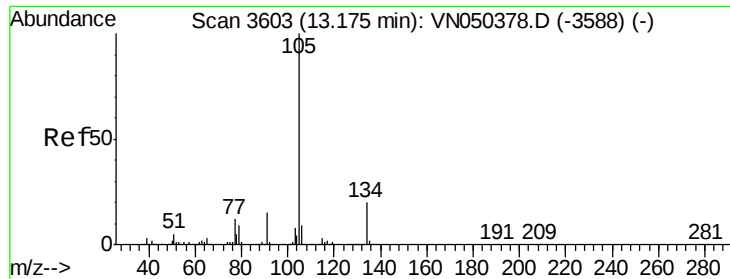
MMDadoda
8/13/2018 11:05:30 AM



#84
1,2,4-Trimethylbenzene
Concen: 20.77 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	22.9	68.7





#85

sec-Butylbenzene

Concen: 20.05 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

ClientSampleId :

VN0810WBS01

Tot Ion:105 Resp: 742745

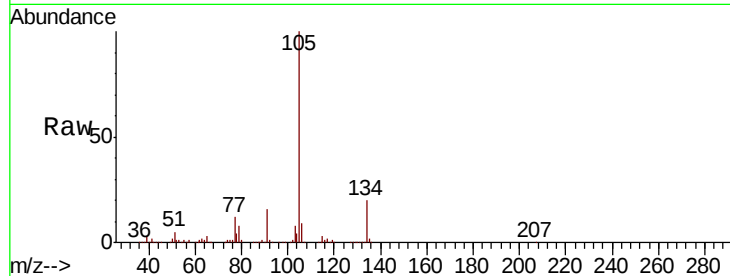
Ion Ratio Lower Upper

105 100

134 20.4 10.1 30.1

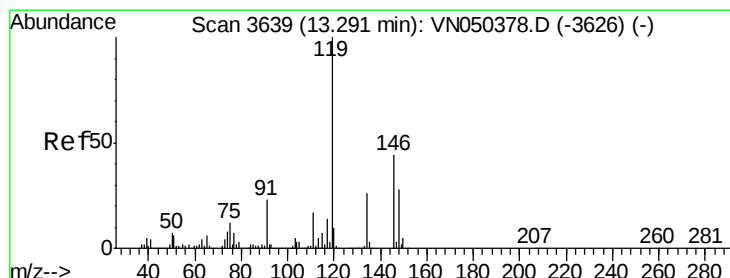
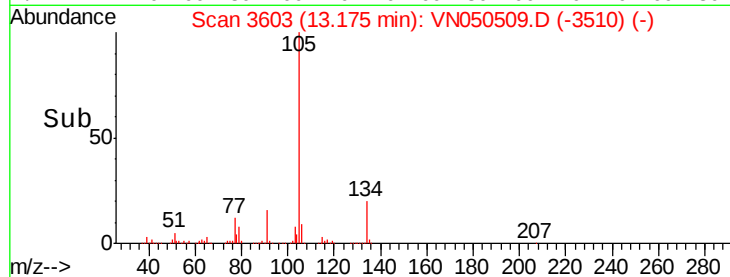
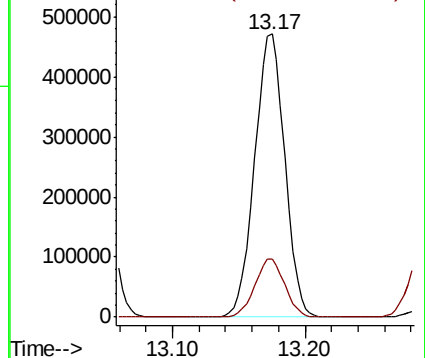
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.16 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

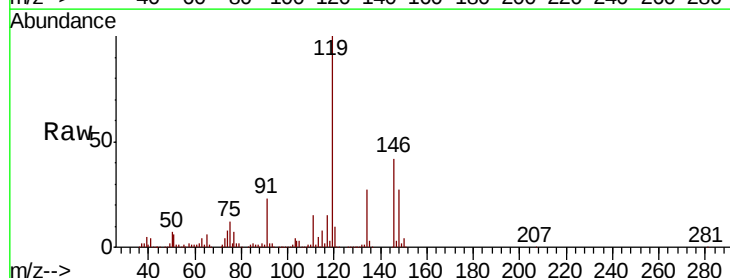
Tgt Ion:119 Resp: 639868

Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.8

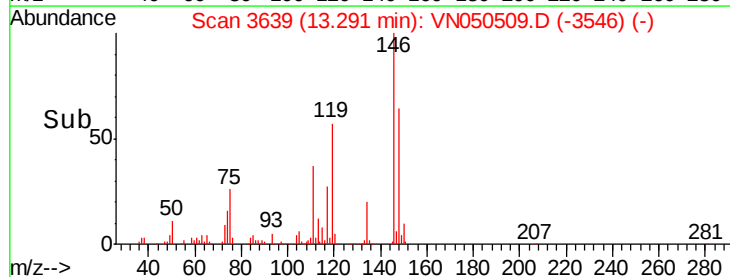
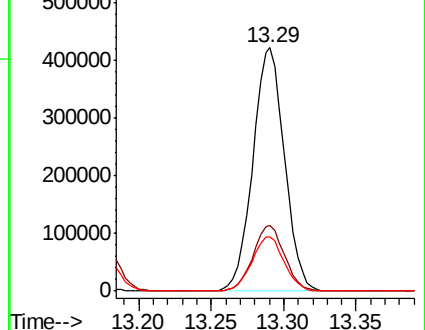
91 22.7 11.4 34.2

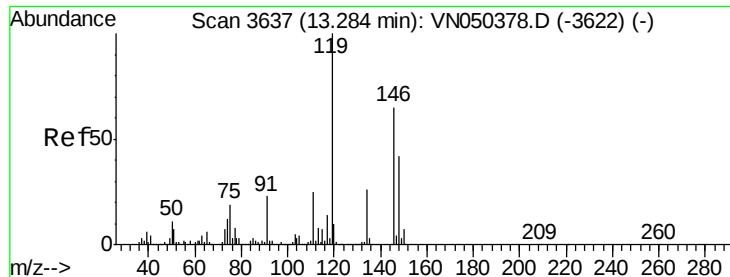


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 19.13 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

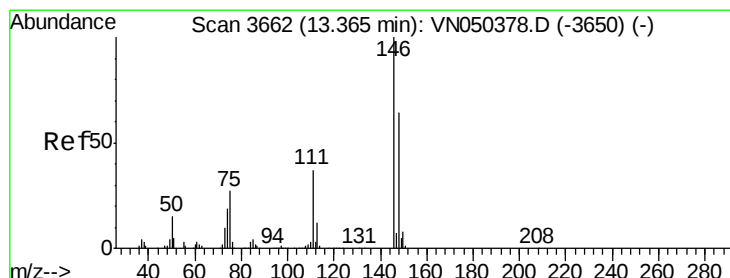
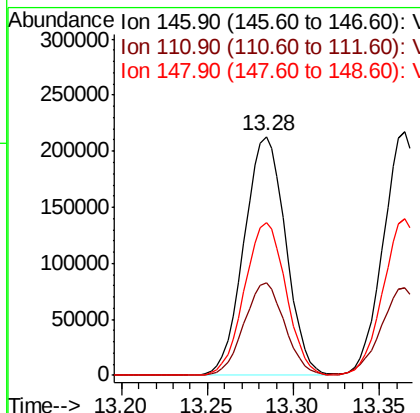
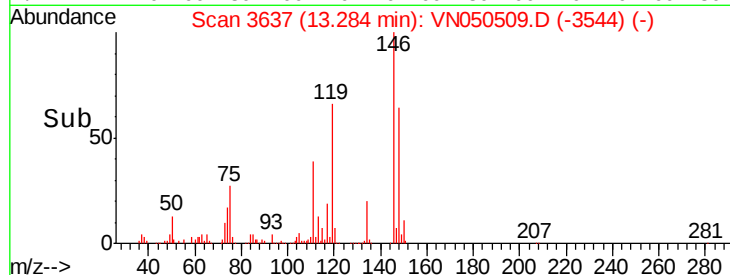
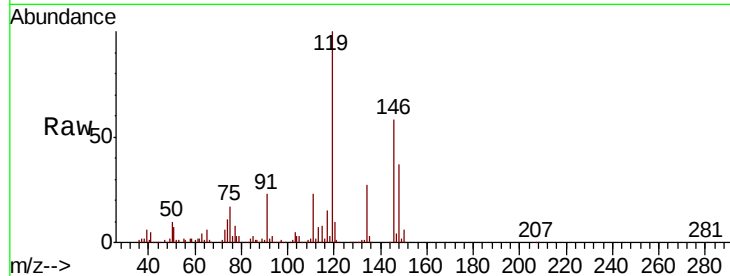
ClientSampleId :

VN0810WBS01

Tot Ion:	146	Resp:	358161
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.8	56.4
148	63.8	31.9	95.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.87 ug/l

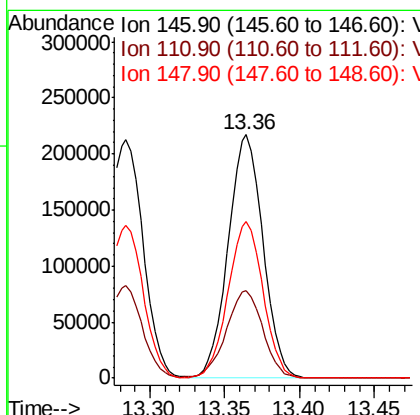
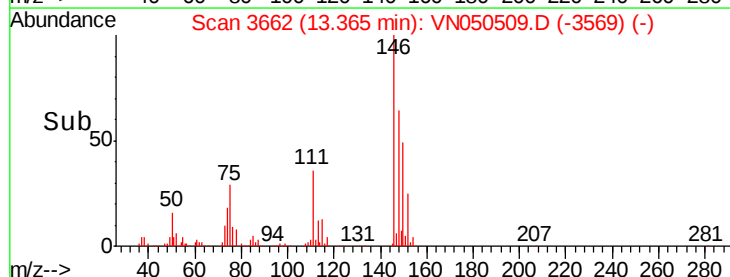
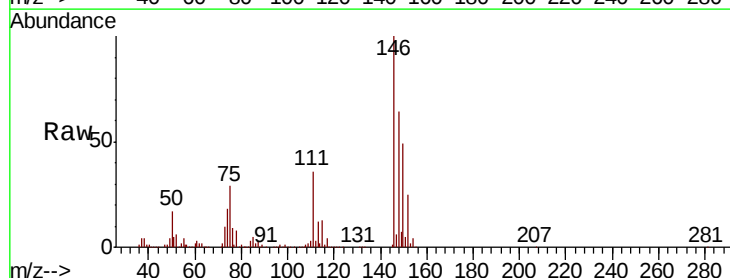
RT: 13.36 min Scan# 3662

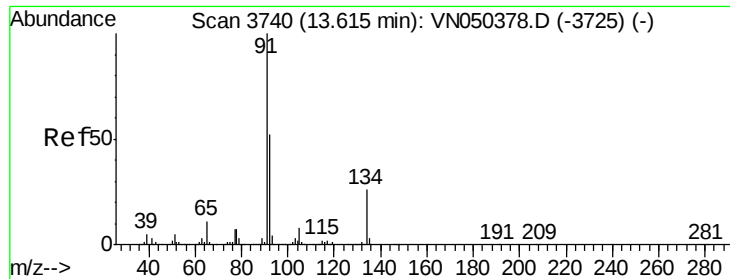
Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	146	Resp:	352729
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.3	54.9
148	64.5	31.9	95.9





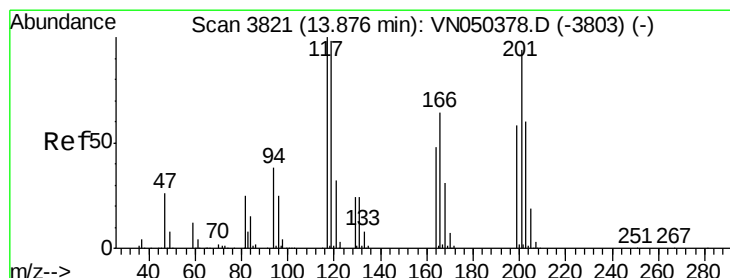
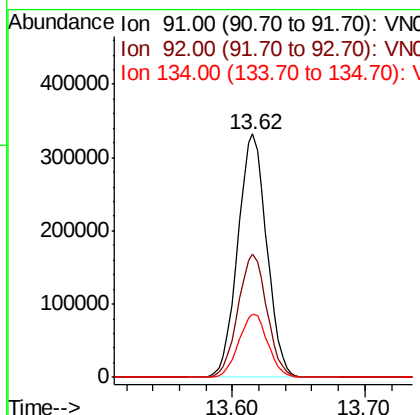
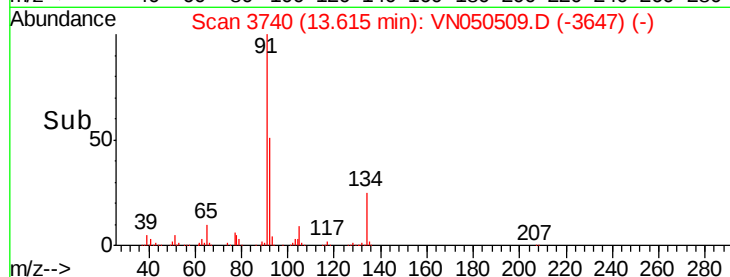
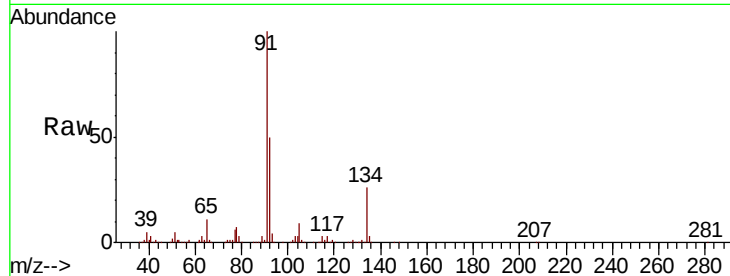
#89
n-Butylbenzene
Concen: 18.61 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Instrument :
MSVOA_N
ClientSampled :
VN0810WBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.8	25.8	77.4
134	26.0	12.8	38.4

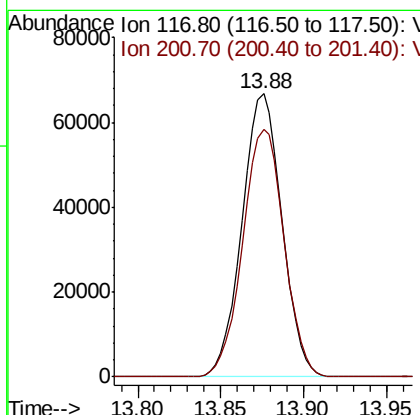
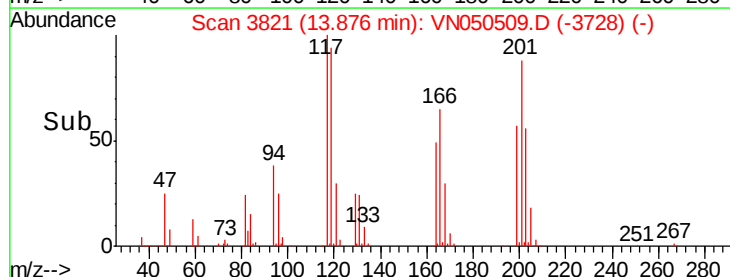
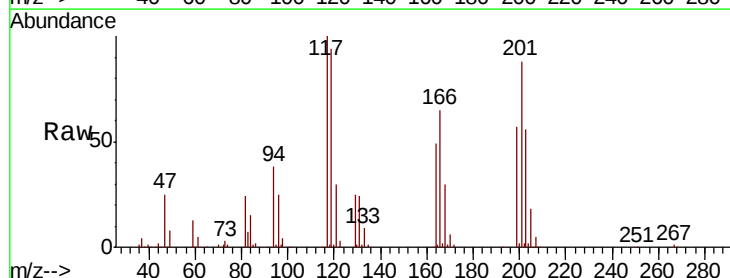
Manual Integrations
APPROVED

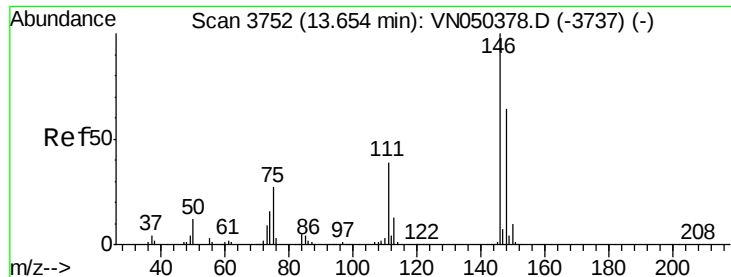
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#90
Hexachloroethane
Concen: 19.79 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050509.D
Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.4	45.6	136.8





#91

1,2-Dichlorobenzene

Concen: 18.47 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

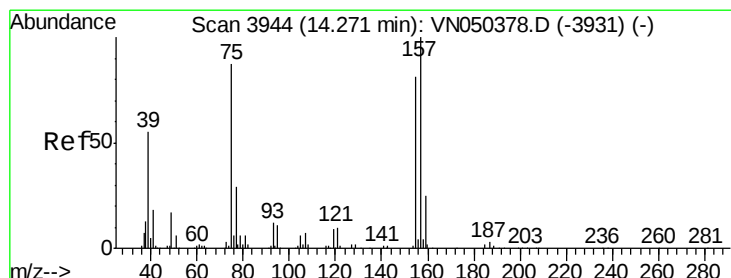
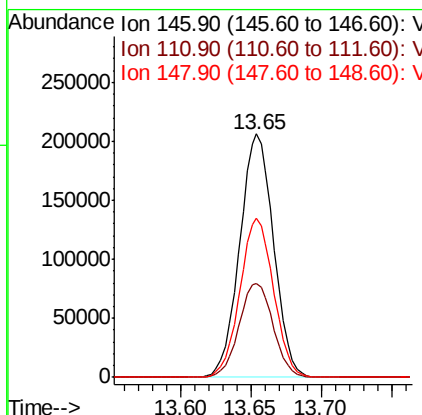
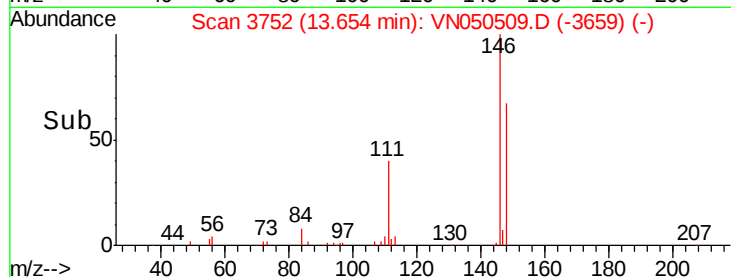
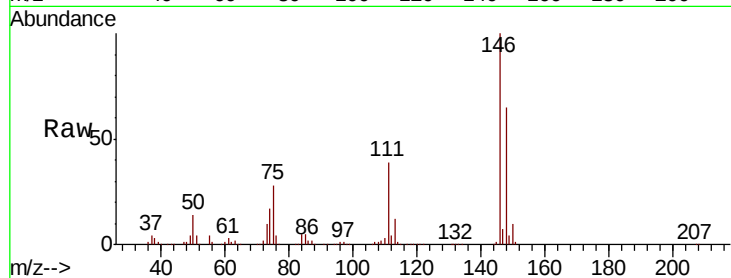
ClientSampleId :

VN0810WBS01

Tot Ion:	146	Resp:	346562
Ion Ratio	Lower	Upper	
146	100		
111	39.0	19.6	58.7
148	65.0	32.1	96.3

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#92

1,2-Dibromo-3-Chloropropane

Concen: 14.04 ug/l

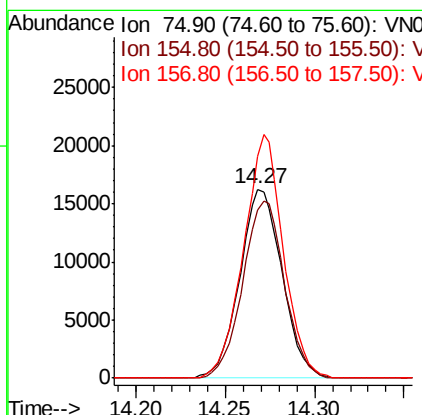
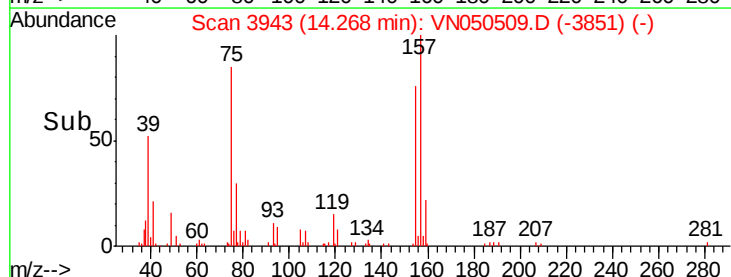
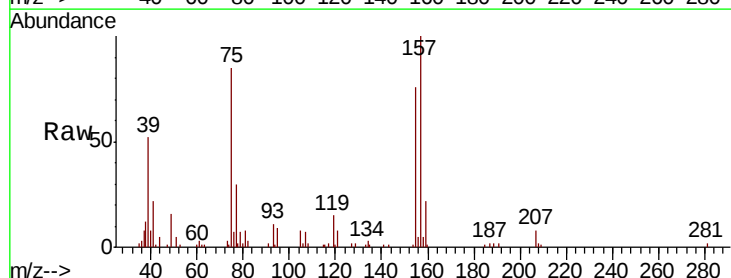
RT: 14.27 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	75	Resp:	26989
Ion Ratio	Lower	Upper	
75	100		
155	92.5	44.8	134.4
157	120.6	57.2	171.6





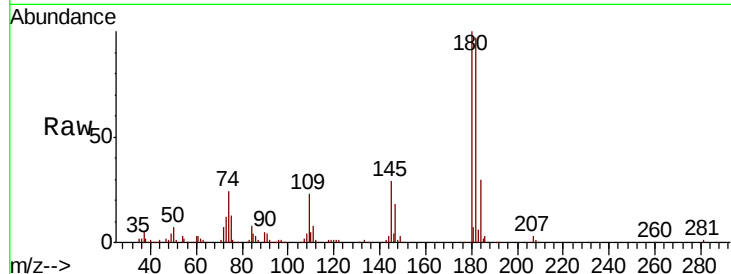
#93
 1,2,4-Trichlorobenzene
 Concen: 16.99 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0810WBS01

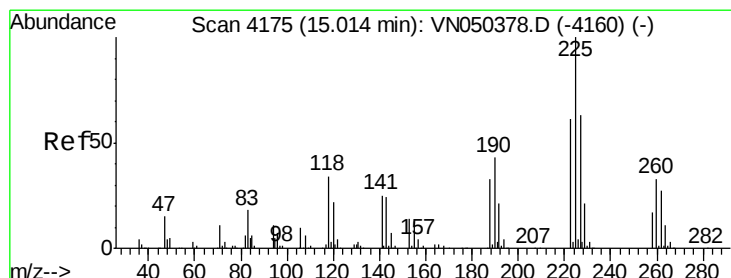
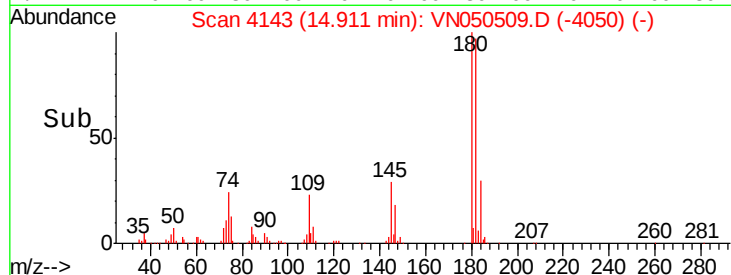
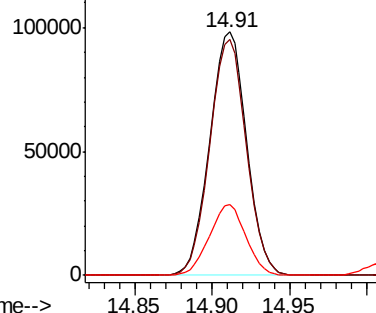
Tot Ion	Ratio	Resp	Lower	Upper
180	100	162452		
182	96.4	46.7	140.1	
145	28.8	13.8	41.4	

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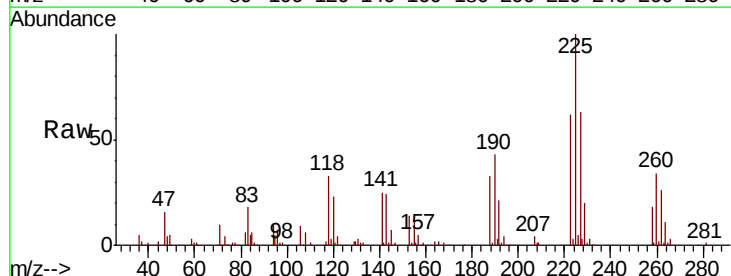


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

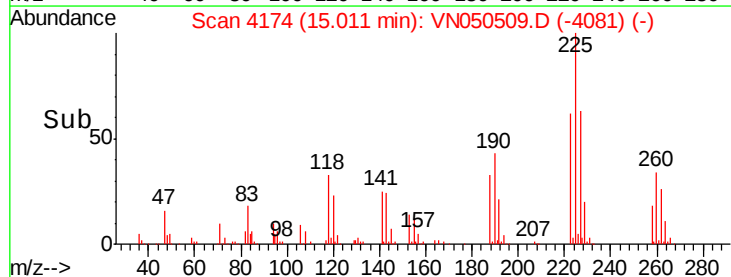
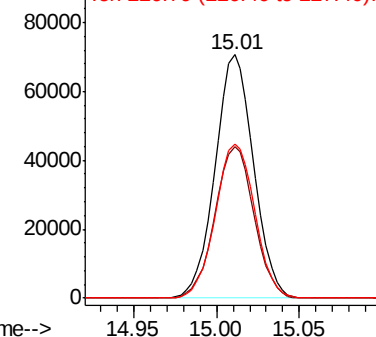


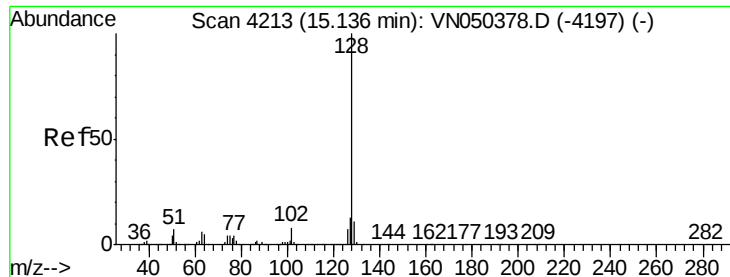
#94
 Hexachlorobutadiene
 Concen: 20.92 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050509.D
 Acq: 10 Aug 2018 11:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	114259		
223	63.2	31.4	94.2	
227	64.8	32.1	96.5	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 15.14 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Instrument :

MSVOA_N

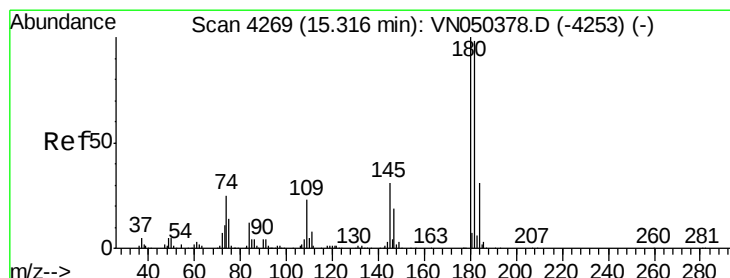
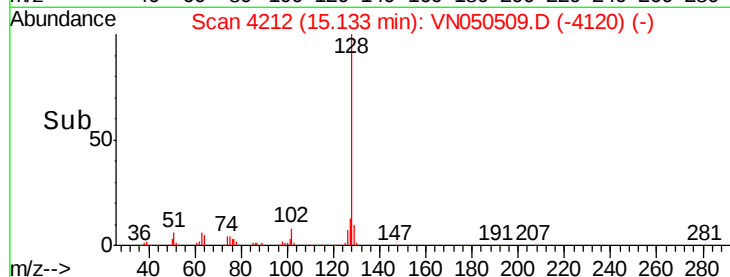
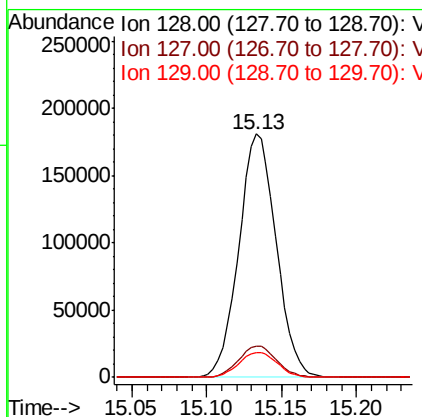
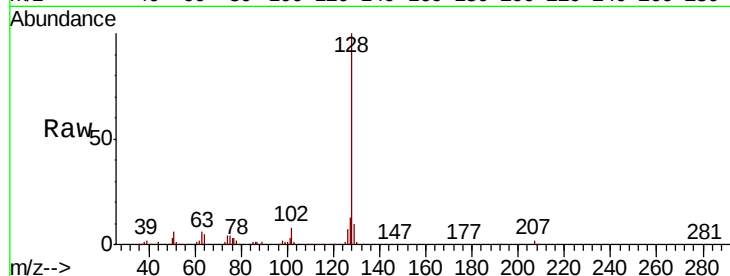
ClientSampleId :

VN0810WBS01

Tot Ion:	128	Resp:	314316
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	10.6	8.8	13.2

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 16.52 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN050509.D

Acq: 10 Aug 2018 11:39

Tgt Ion:	180	Resp:	159644
Ion Ratio	Lower	Upper	
180	100		
182	94.7	48.1	144.4
145	30.0	15.3	45.9

