

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN103118\
 Data File : VN052068.D
 Acq On : 31 Oct 2018 12:44
 Operator : MD\SY
 Sample : VN1031WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 1:11:08 PM

Quant Time: Oct 31 14:28:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	326131	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	587743	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	515741	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	213600	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	211876	40.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	80.96%	
35) Dibromofluoromethane	7.59	113	176256	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	10.09	98	667617	45.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.86%	
62) 4-Bromofluorobenzene	12.40	95	227764	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	78966	19.92	ug/l	97
3) Chloromethane	2.06	50	88752	17.76	ug/l	97
4) Vinyl Chloride	2.19	62	90865	16.90	ug/l	96
5) Bromomethane	2.58	94	61571	15.26	ug/l	94
6) Chloroethane	2.71	64	57388	16.53	ug/l	95
7) Trichlorofluoromethane	3.02	101	127491	20.76	ug/l	98
8) Diethyl Ether	3.42	74	41386	18.07	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.77	101	71109	19.63	ug/l	98
10) Methyl Iodide	3.96	142	86899	18.30	ug/l	100
11) Tert butyl alcohol	4.79	59	19784	75.49	ug/l #	76
12) 1,1-Dichloroethene	3.74	96	64523	18.86	ug/l	93
13) Acrolein	3.61	56	19569	91.14	ug/l	98
14) Allyl chloride	4.32	41	113922	16.64	ug/l	99
15) Acrylonitrile	4.99	53	123031	82.12	ug/l	99
16) Acetone	3.82	43	86523	77.45	ug/l	99
17) Carbon Disulfide	4.06	76	181185	16.81	ug/l	95
18) Methyl Acetate	4.33	43	57627	16.20	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	193051	17.18	ug/l	95
20) Methylene Chloride	4.56	84	76964	18.08	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	71599	18.35	ug/l	89
22) Diisopropyl ether	5.95	45	247650	16.73	ug/l	98
23) Vinyl Acetate	5.90	43	853051	83.19	ug/l	99
24) 1,1-Dichloroethane	5.85	63	140491	16.98	ug/l	98
25) 2-Butanone	6.84	43	148283	84.63	ug/l	98
26) 2,2-Dichloropropane	6.83	77	109591	16.67	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	84789	18.20	ug/l	94
28) Bromochloromethane	7.20	49	61116	14.90	ug/l	88
29) Tetrahydrofuran	7.21	42	94762	81.18	ug/l	97
30) Chloroform	7.37	83	143433	17.36	ug/l	97
31) Cyclohexane	7.66	56	133526	15.36	ug/l	97
32) 1,1,1-Trichloroethane	7.57	97	119959	18.06	ug/l	97
36) 1,1-Dichloropropene	7.80	75	109017	18.24	ug/l	98
37) Ethyl Acetate	6.93	43	64517	16.13	ug/l #	74
38) Carbon Tetrachloride	7.77	117	102309	19.85	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	126537	17.84	ug/l	98
40) Benzene	8.05	78	323883	18.74	ug/l	97
41) Methacrylonitrile	7.18	41	39000	18.98	ug/l #	90
42) 1,2-Dichloroethane	8.13	62	105581	16.55	ug/l	98
43) Isopropyl Acetate	8.17	43	120333	16.91	ug/l	97
44) Trichloroethene	8.84	130	76359	19.75	ug/l	93
45) 1,2-Dichloropropane	9.12	63	84317	17.12	ug/l	95
46) Dibromomethane	9.21	93	53542	19.45	ug/l	95
47) Bromodichloromethane	9.40	83	106565	18.57	ug/l	97
48) Methyl methacrylate	9.20	41	60591	16.80	ug/l	96
49) 1,4-Dioxane	9.20	88	10785	372.71	ug/l #	92
51) 4-Methyl-2-Pentanone	9.99	43	333419	86.22	ug/l	100
52) Toluene	10.16	92	200038	19.17	ug/l	96
53) t-1,3-Dichloropropene	10.38	75	101912	16.79	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	121385	18.01	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	71789	19.32	ug/l	90
56) Ethyl methacrylate	10.43	69	92504	17.40	ug/l	97
57) 1,3-Dichloropropane	10.71	76	123925	18.12	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	253989	89.82	ug/l	96
59) 2-Hexanone	10.75	43	226797	82.30	ug/l	99
60) Dibromochloromethane	10.90	129	71174	19.45	ug/l	98
61) 1,2-Dibromoethane	11.01	107	68809	18.62	ug/l	99
64) Tetrachloroethene	10.63	164	66330	21.23	ug/l	95
65) Chlorobenzene	11.43	112	218031	20.07	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	73752	21.62	ug/l	98
67) Ethyl Benzene	11.51	91	368132	19.00	ug/l	96
68) m/p-Xylenes	11.62	106	281757	40.64	ug/l	97
69) o-Xylene	11.95	106	133658	19.48	ug/l	100
70) Styrene	11.96	104	220746	19.88	ug/l	98
71) Bromoform	12.13	173	37862	18.70	ug/l #	97
73) Isopropylbenzene	12.25	105	358823	19.64	ug/l	98
74) N-amyl acetate	12.07	43	104652	16.42	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	83049	18.96	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	78230m	20.01	ug/l	
77) Bromobenzene	12.53	156	77166	20.19	ug/l	89
78) n-propylbenzene	12.59	91	413774	18.69	ug/l	98
79) 2-Chlorotoluene	12.67	91	239298	18.55	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	281410	18.93	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	19182	16.28	ug/l	94
82) 4-Chlorotoluene	12.77	91	246191	18.71	ug/l	96
83) tert-Butylbenzene	12.99	119	240412	19.25	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	294551	19.91	ug/l	99
85) sec-Butylbenzene	13.17	105	339909	19.06	ug/l	97
86) p-Isopropyltoluene	13.29	119	277290	19.09	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	135957	19.51	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	134234	19.22	ug/l	99
89) n-Butylbenzene	13.61	91	242218	17.48	ug/l	98
90) Hexachloroethane	13.87	117	45409	18.24	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	129389	19.75	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	11272	18.45	ug/l	89

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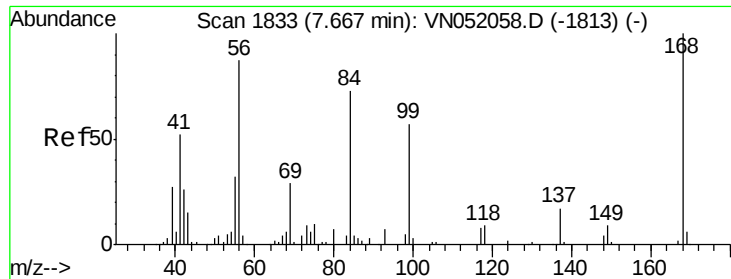
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	47812	19.59	ug/l	98
94) Hexachlorobutadiene	15.01	225	27542	20.17	ug/l	96
95) Naphthalene	15.13	128	123930	20.25	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	42538	20.20	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052068.D

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Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 168 Resp: 326131

Ion Ratio Lower Upper

168 100

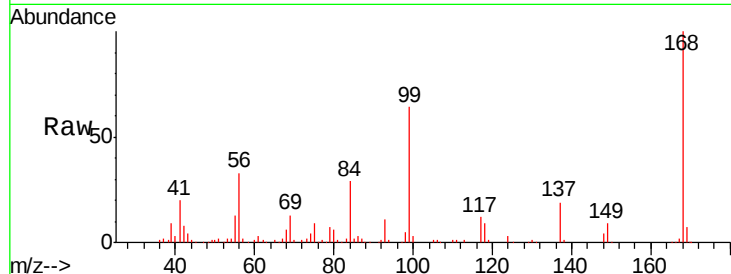
99 64.0 56.6 85.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

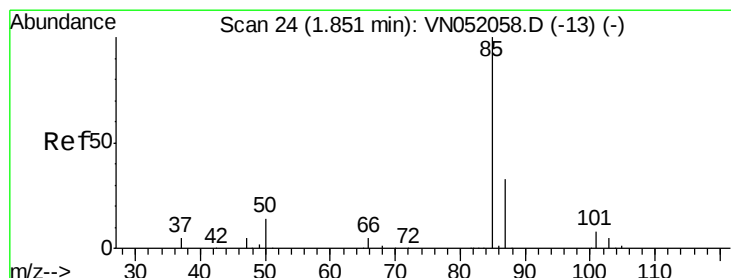
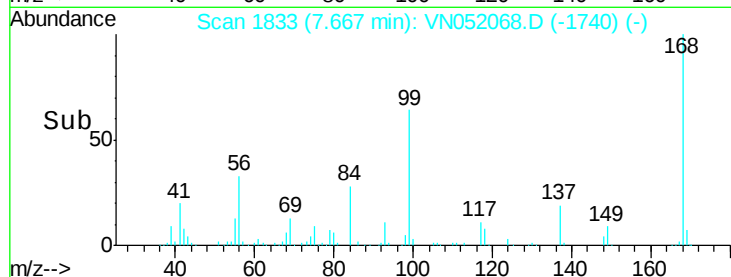
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.92 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052068.D

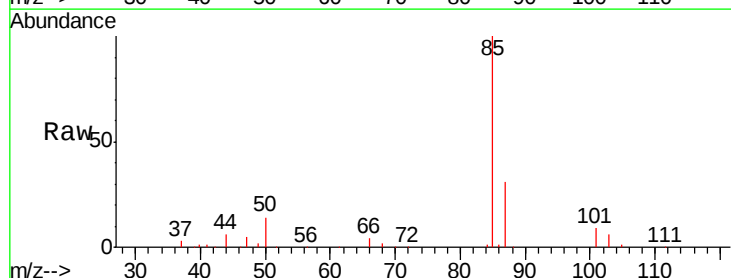
Acq: 31 Oct 2018 12:44

Tgt Ion: 85 Resp: 78966

Ion Ratio Lower Upper

85 100

87 31.0 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

60000

50000

40000

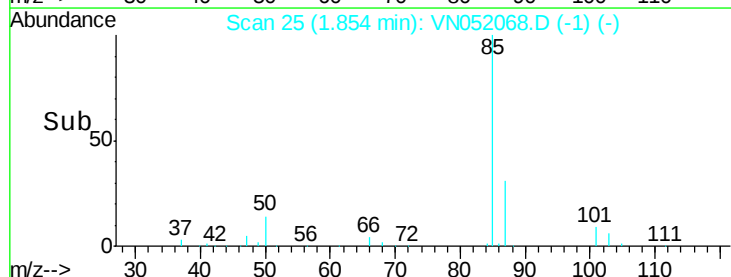
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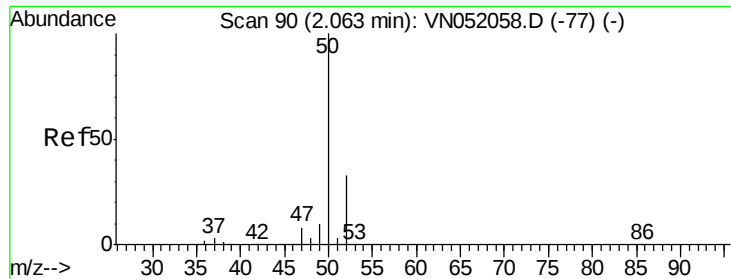
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10000

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Time-->





#3

Chloromethane

Concen: 17.76 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 50 Resp: 88752

Ion Ratio Lower Upper

50 100

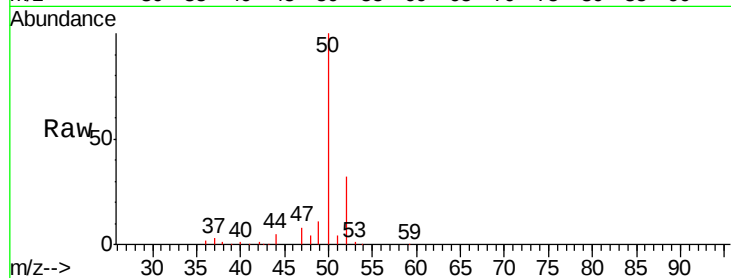
52 31.6 26.6 39.8

Manual Integrations

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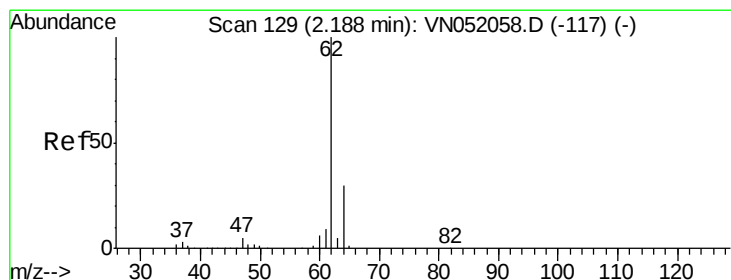
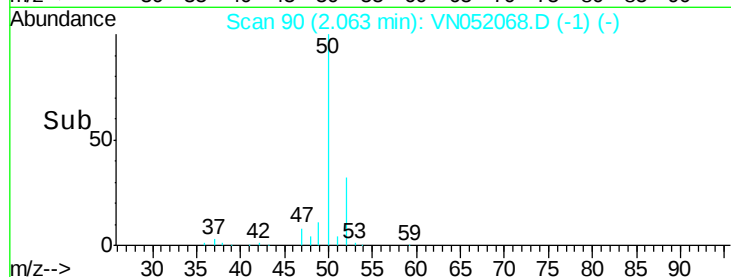
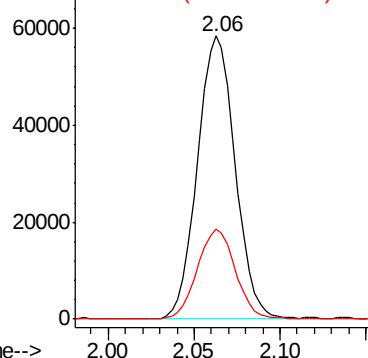
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 16.90 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052068.D

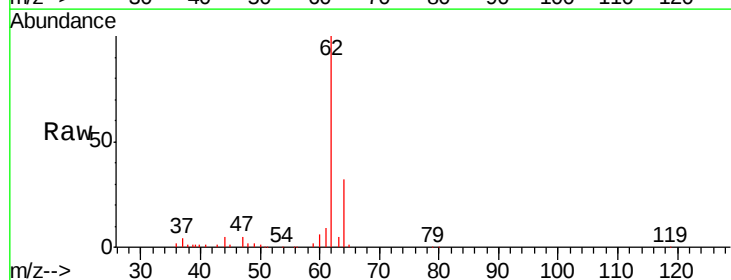
Acq: 31 Oct 2018 12:44

Tgt Ion: 62 Resp: 90865

Ion Ratio Lower Upper

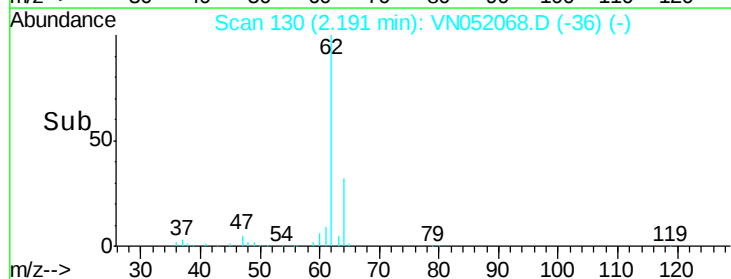
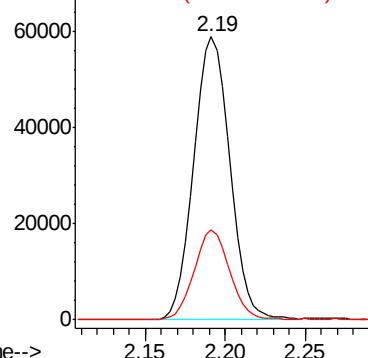
62 100

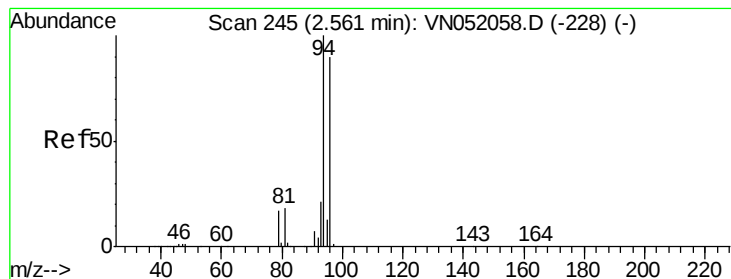
64 31.8 23.7 35.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 15.26 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.02 min

Lab File: VN052068.D

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Tgt Ion: 94 Resp: 61571

Ion Ratio Lower Upper

94 100

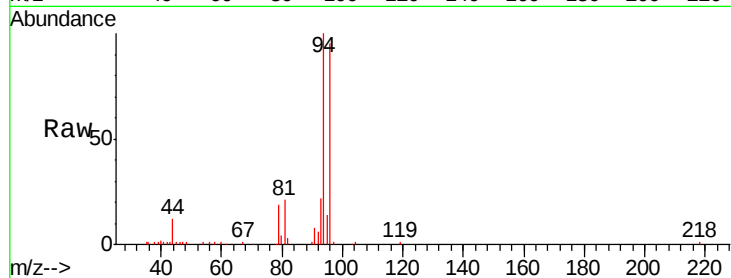
96 95.5 71.8 107.6

Manual Integrations

APPROVED

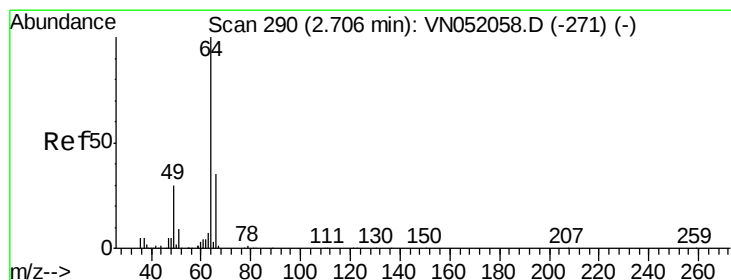
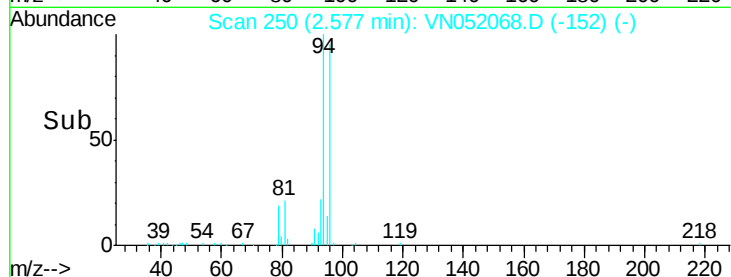
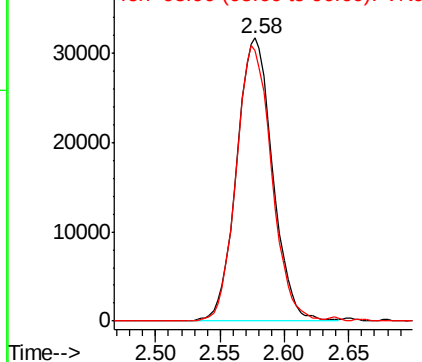
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Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 16.53 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN052068.D

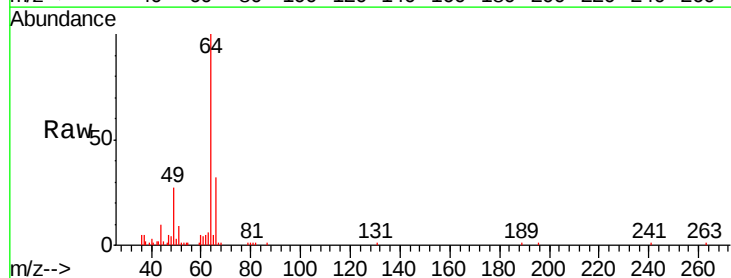
Acq: 31 Oct 2018 12:44

Tgt Ion: 64 Resp: 57388

Ion Ratio Lower Upper

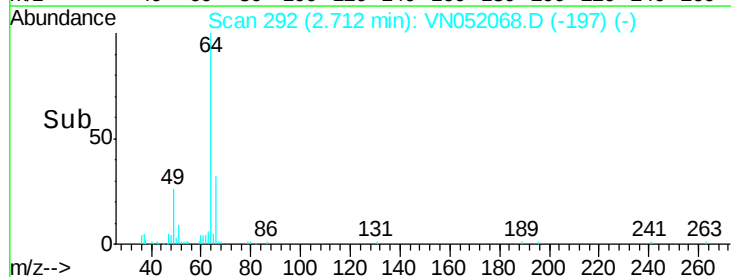
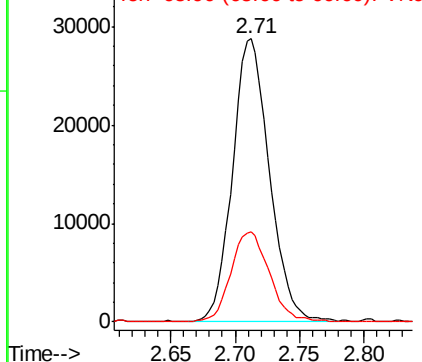
64 100

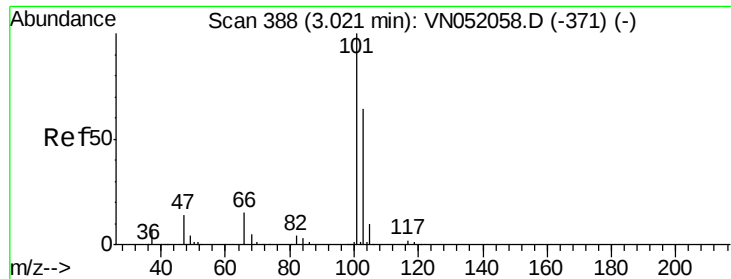
66 32.1 27.9 41.9



Abundance Ion 63.90 (63.60 to 64.60): VNO

Ion 65.90 (65.60 to 66.60): VNO





#7

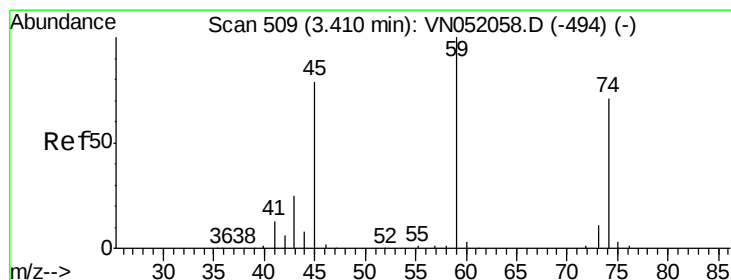
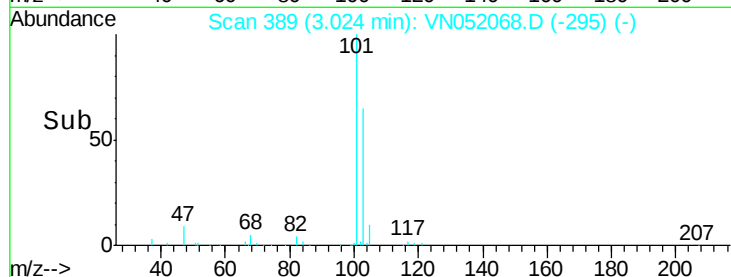
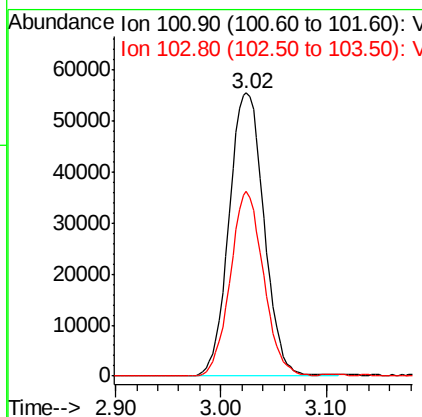
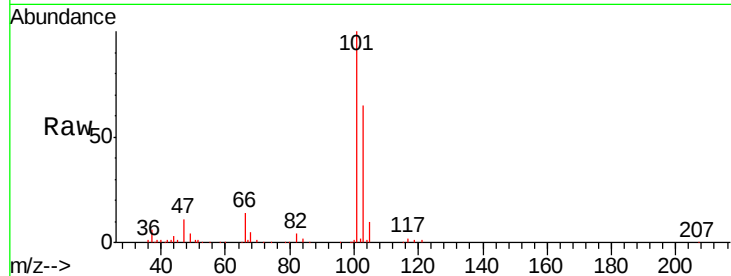
Trichlorofluoromethane
 Concen: 20.76 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

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 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.0	76.4

Manual Integrations
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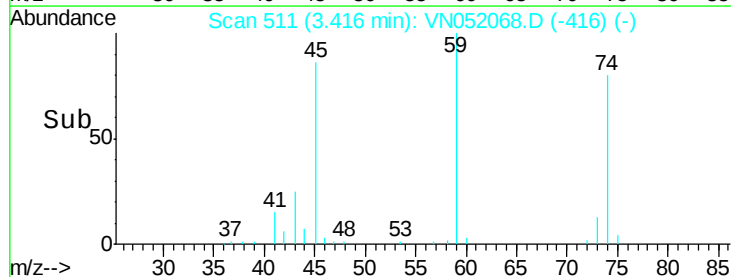
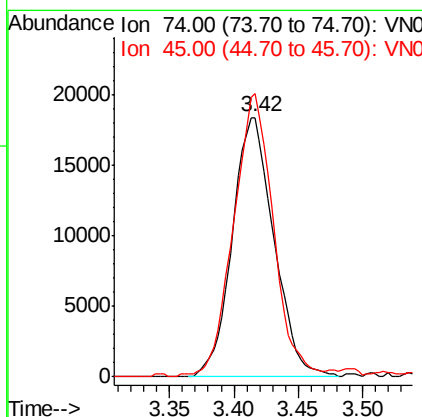
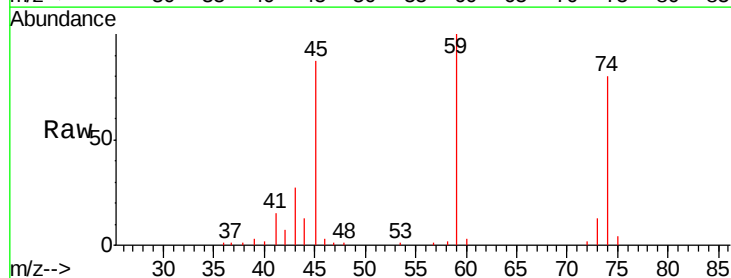
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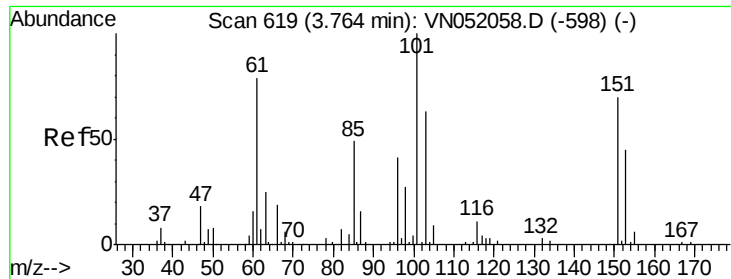


#8

Diethyl Ether
 Concen: 18.07 ug/l
 RT: 3.42 min Scan# 511
 Delta R.T. 0.01 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	104.4	55.6	166.8





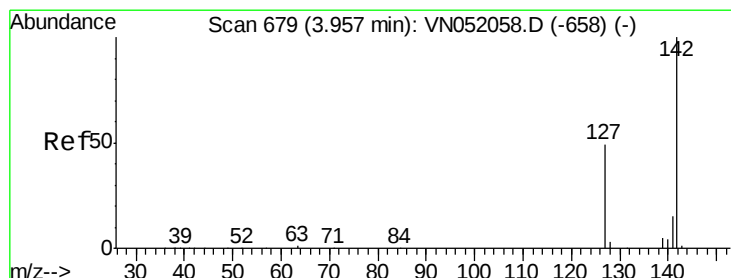
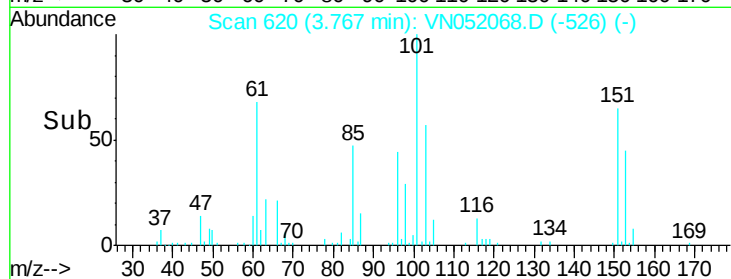
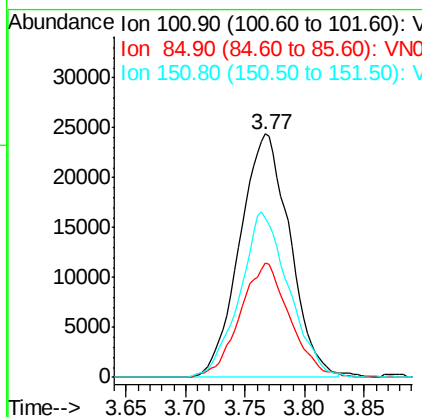
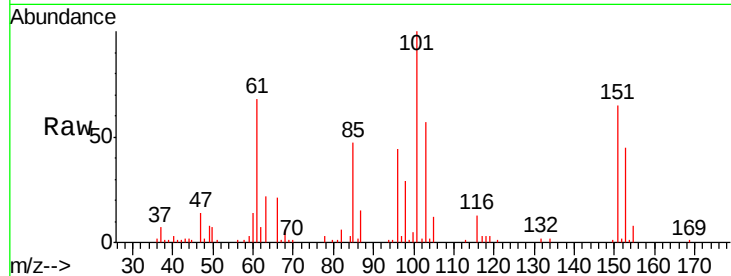
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.63 ug/l
 RT: 3.77 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
101	100		
85	46.6	38.6	58.0
151	66.4	52.6	78.8

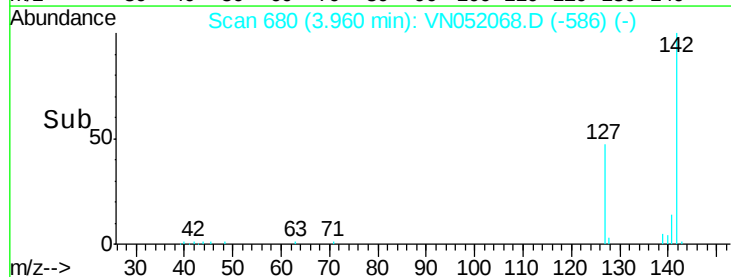
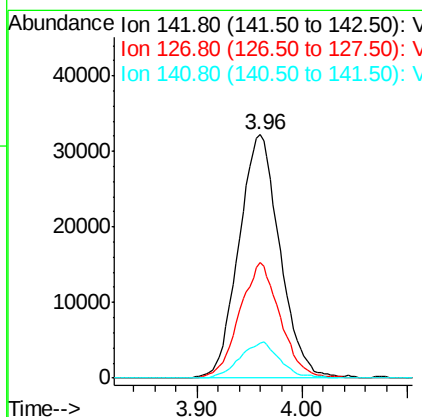
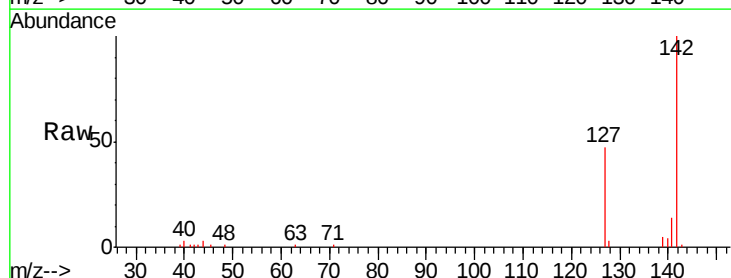
Manual Integrations
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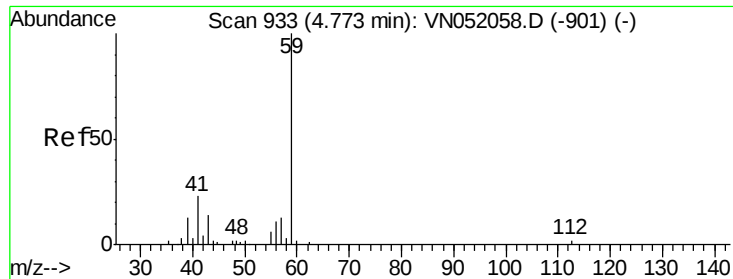
MMDadoda
 11/2/2018 1:11:08 PM



#10
 Methyl Iodide
 Concen: 18.30 ug/l
 RT: 3.96 min Scan# 680
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.9	37.3	55.9
141	14.4	11.4	17.2





#11

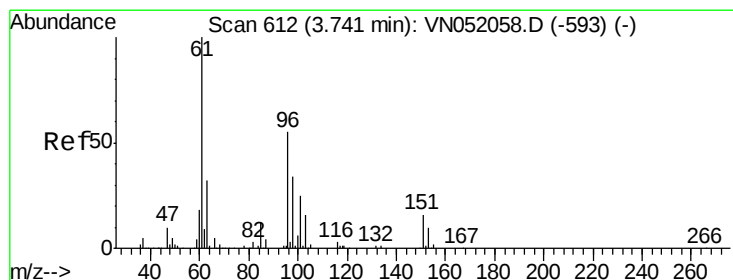
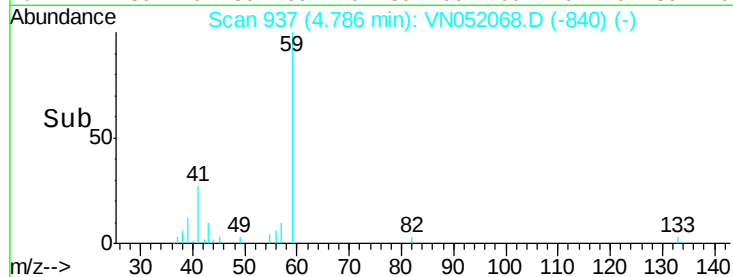
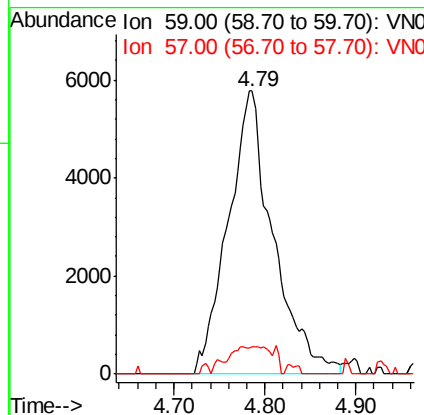
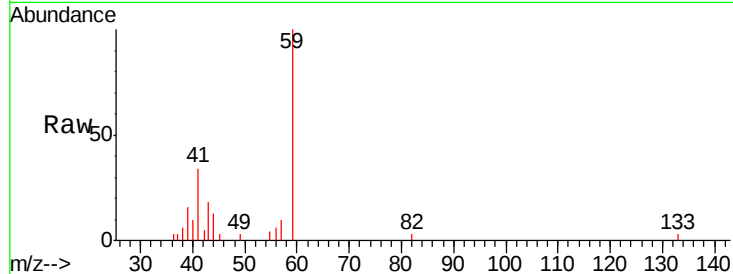
Tert butyl alcohol
Concen: 75.49 ug/l
RT: 4.79 min Scan# 937
Delta R.T. 0.01 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 59 Resp: 19784
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.6#

Manual Integrations
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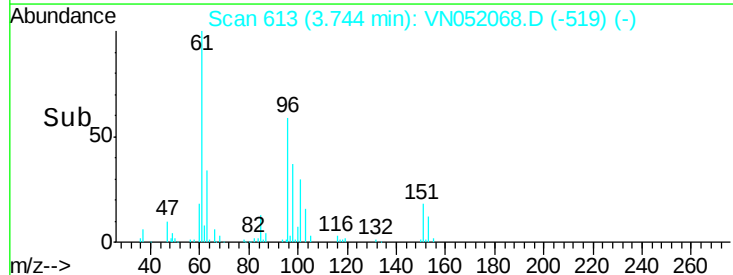
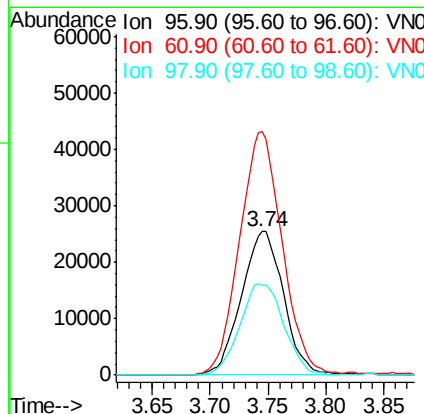
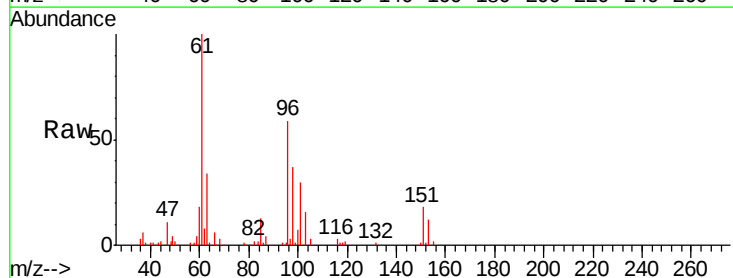
MMDadoda
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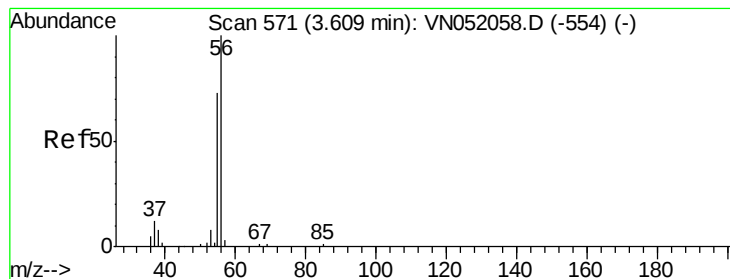


#12

1,1-Dichloroethene
Concen: 18.86 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 96 Resp: 64523
Ion Ratio Lower Upper
96 100
61 169.6 145.7 218.5
98 62.5 49.8 74.8





#13

Acrolein

Concen: 91.14 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 56 Resp: 19569

Ion Ratio Lower Upper

56 100

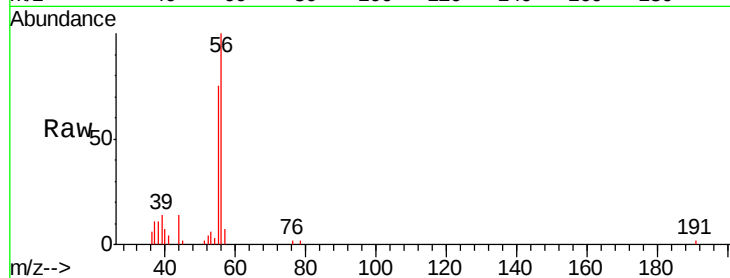
55 72.9 59.9 89.9

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

8000

6000

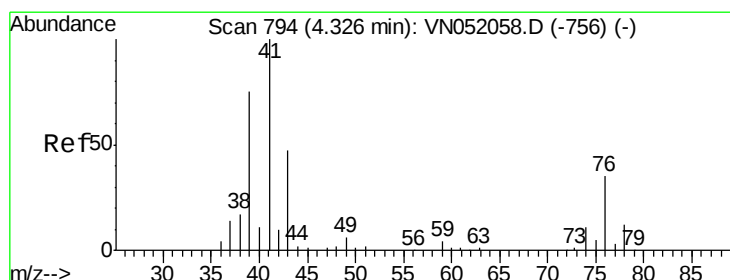
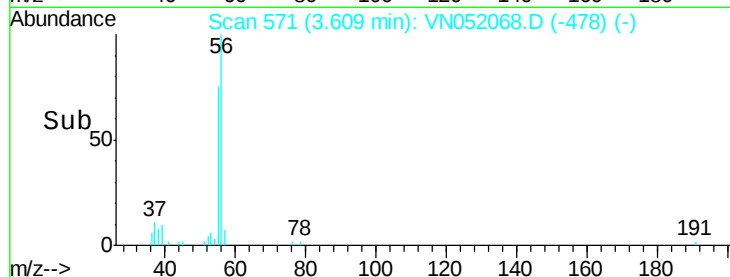
4000

2000

0

3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 16.64 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

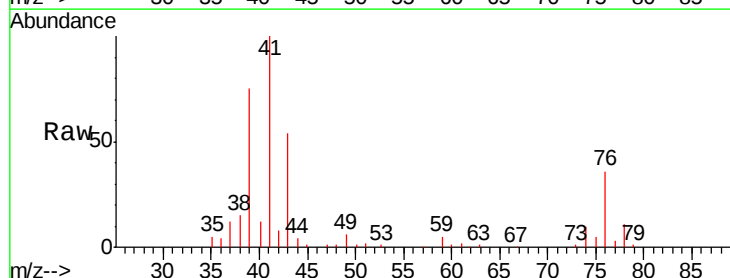
Tgt Ion: 41 Resp: 113922

Ion Ratio Lower Upper

41 100

39 72.9 58.1 87.1

76 34.5 26.0 39.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

50000

40000

30000

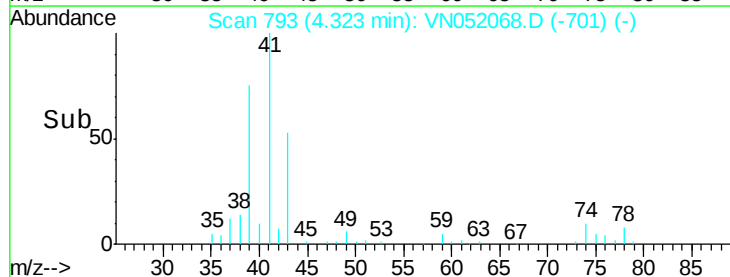
20000

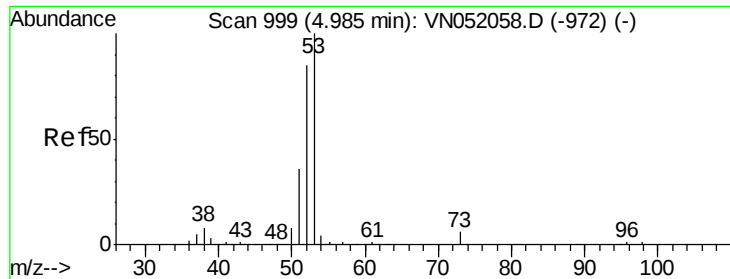
10000

0

4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 82.12 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

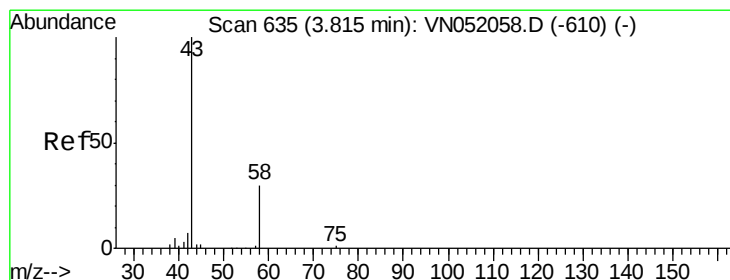
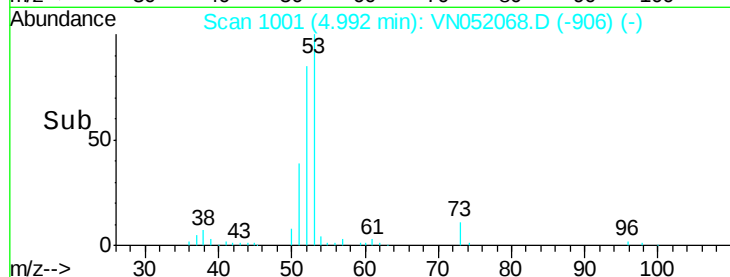
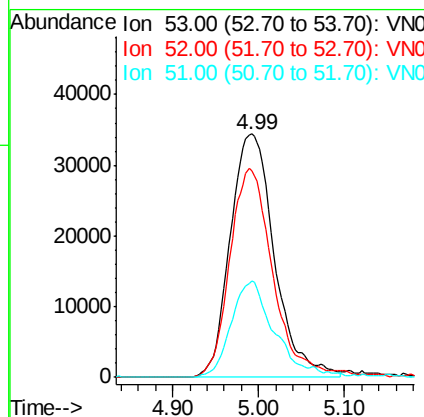
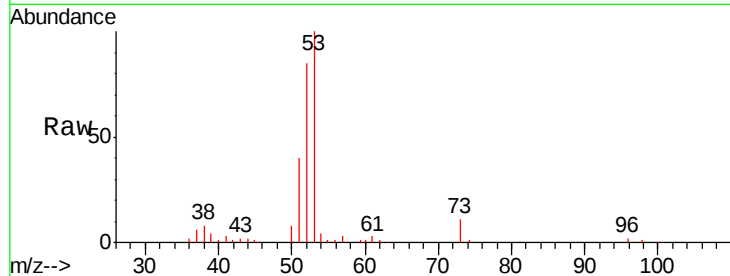
ClientSampleId :

VN1031WBS01

Tgt Ion:	53	Resp:	123031
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.6	100.0
51	37.3	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 77.45 ug/l

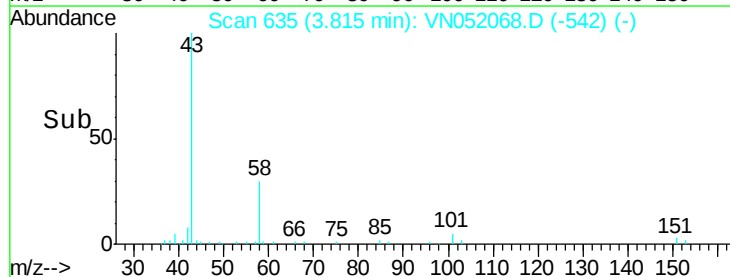
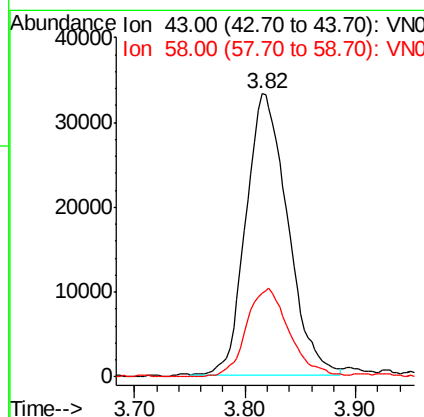
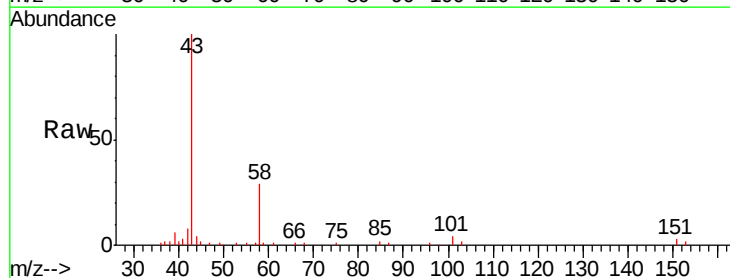
RT: 3.82 min Scan# 635

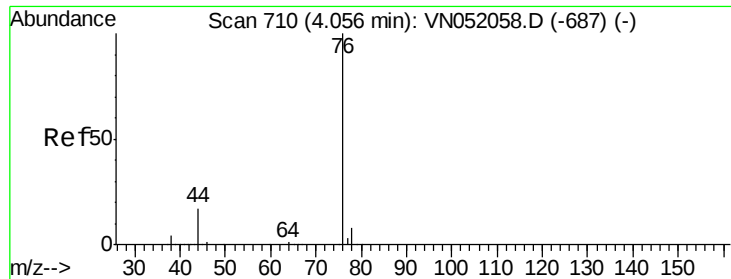
Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion:	43	Resp:	86523
Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.2	36.2





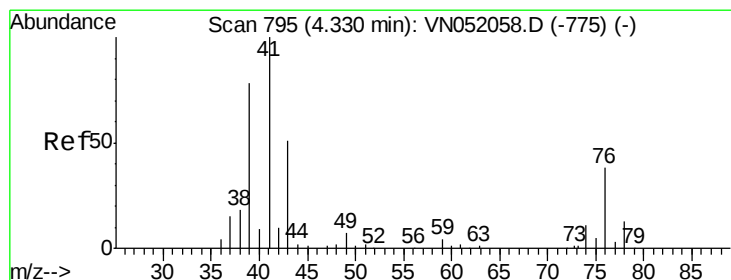
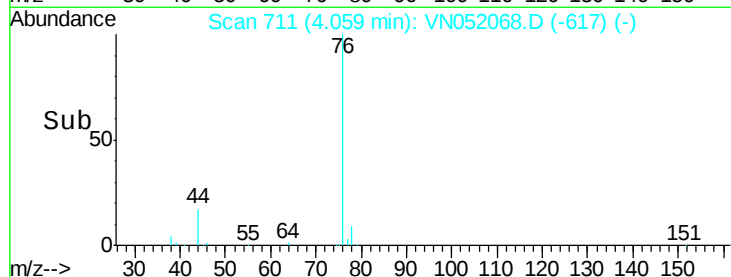
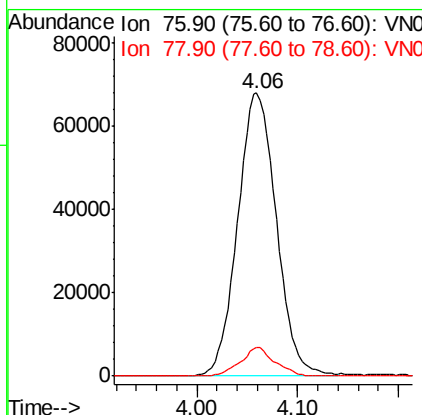
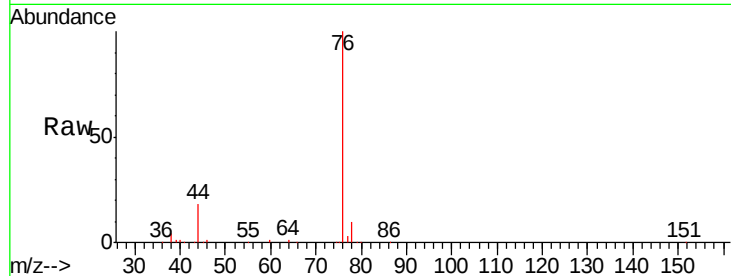
#17
Carbon Disulfide
Concen: 16.81 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.1	6.8	10.2

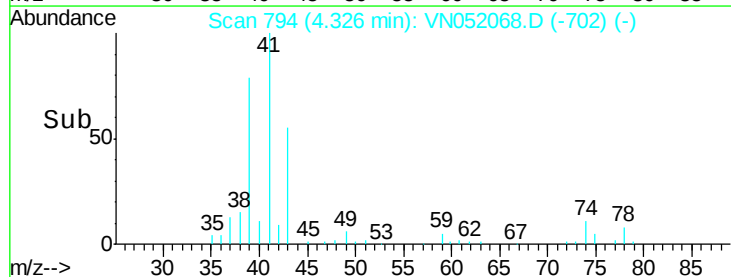
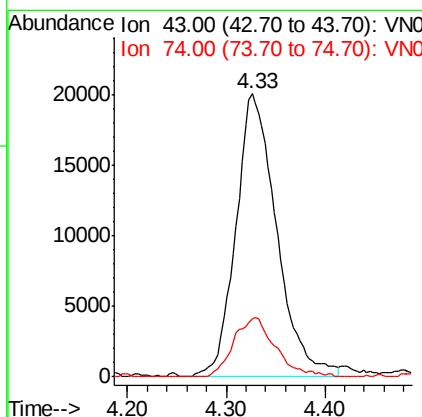
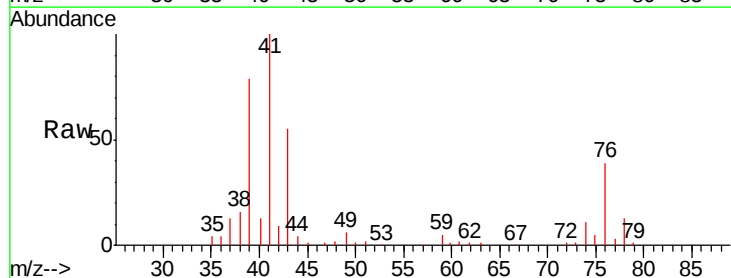
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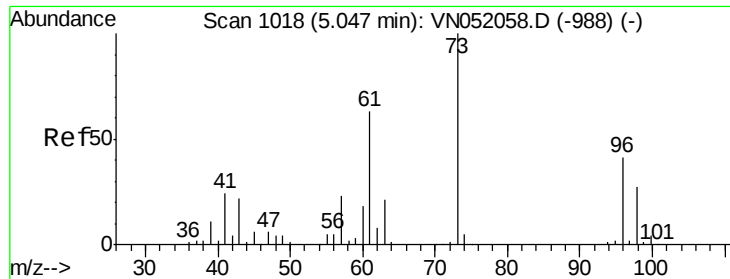
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#18
Methyl Acetate
Concen: 16.20 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.9	26.9





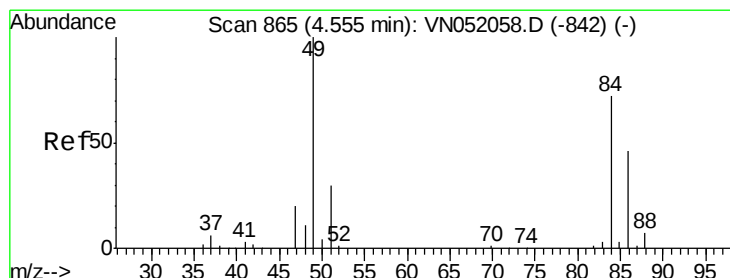
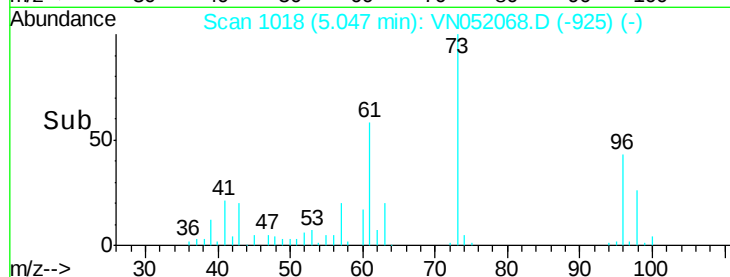
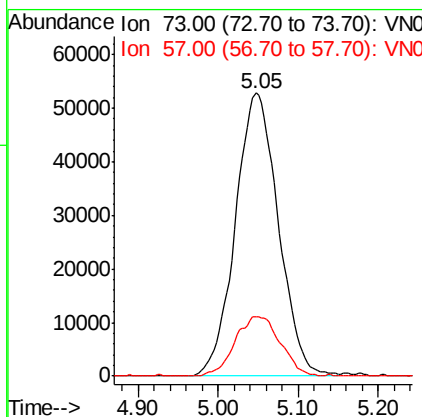
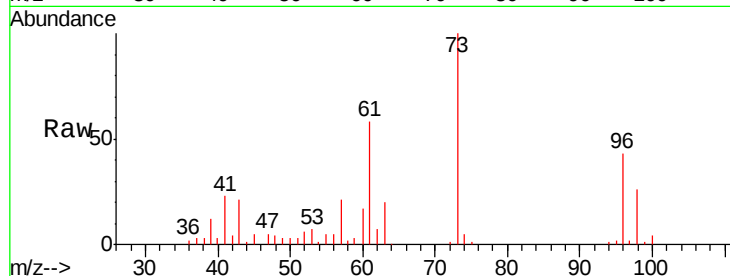
#19
Methyl tert-butyl Ether
Concen: 17.18 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 73 Resp: 193051
Ion Ratio Lower Upper
73 100
57 21.0 18.7 28.1

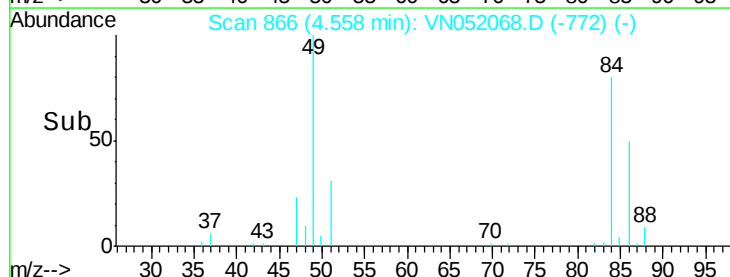
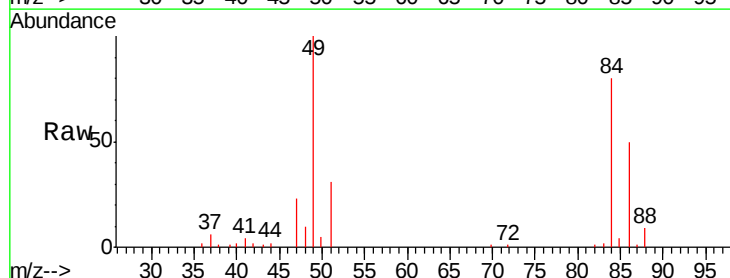
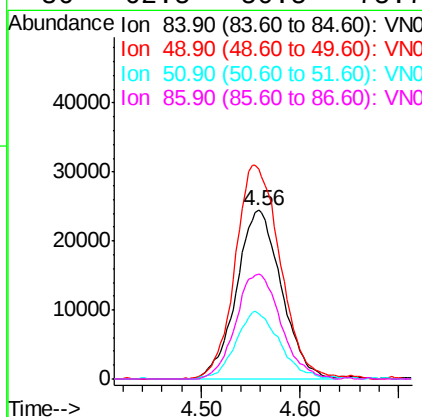
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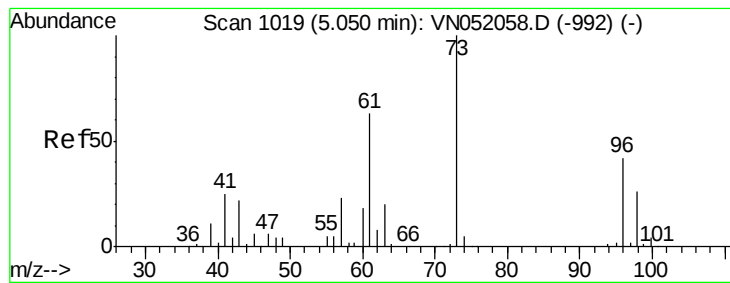
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#20
Methylene Chloride
Concen: 18.08 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 84 Resp: 76964
Ion Ratio Lower Upper
84 100
49 124.9 110.6 165.8
51 39.1 33.7 50.5
86 62.5 50.5 75.7





#21

trans-1,2-Dichloroethene

Concen: 18.35 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 96 Resp: 71599

Ion Ratio Lower Upper

96 100

61 129.3 118.6 178.0

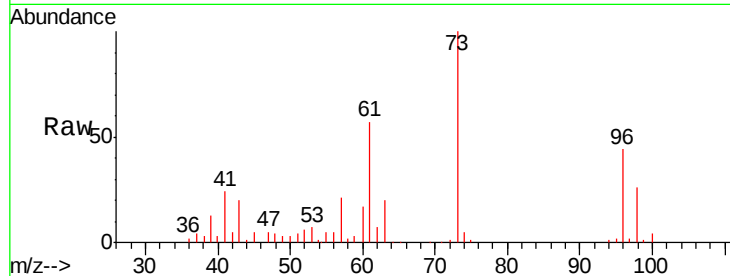
98 59.8 49.7 74.5

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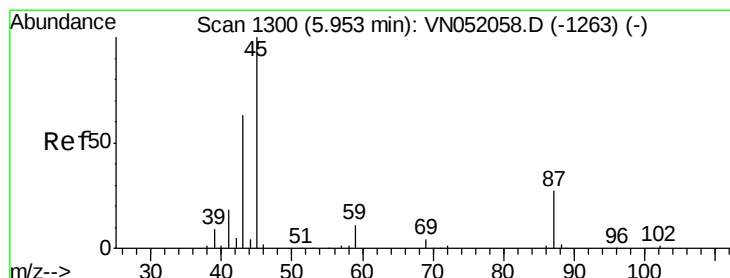
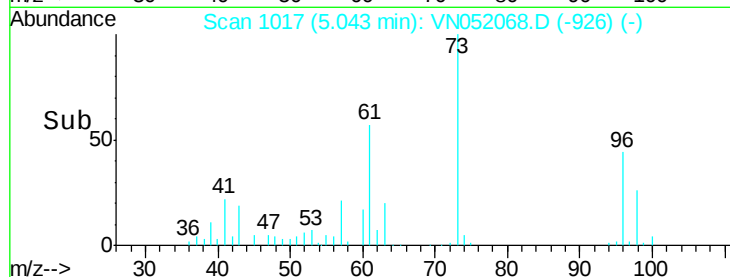
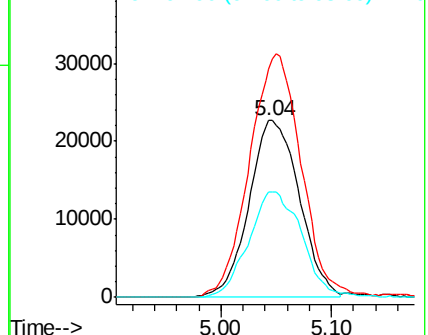


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 16.73 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion: 45 Resp: 247650

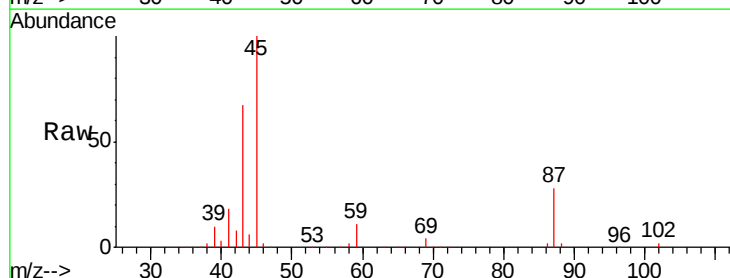
Ion Ratio Lower Upper

45 100

43 65.3 50.5 75.7

87 27.6 21.5 32.3

59 10.2 8.6 13.0



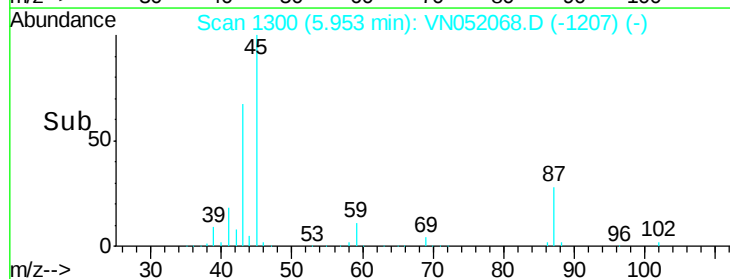
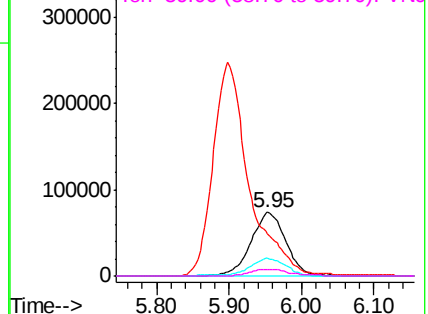
Abundance

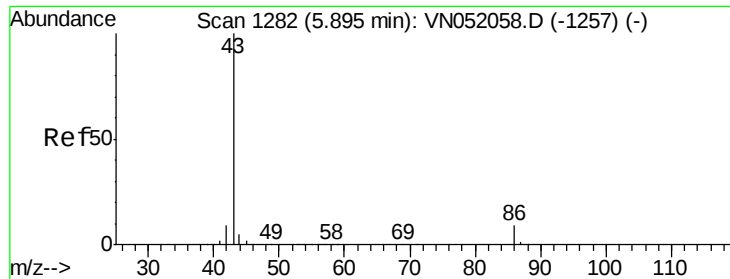
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





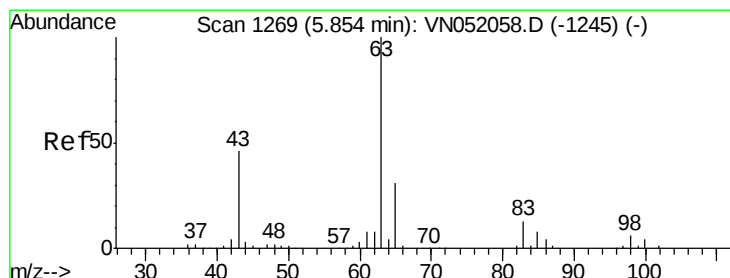
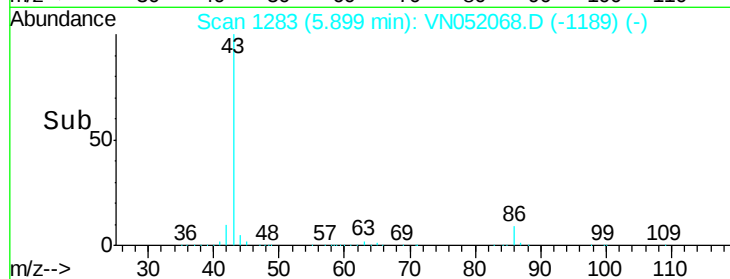
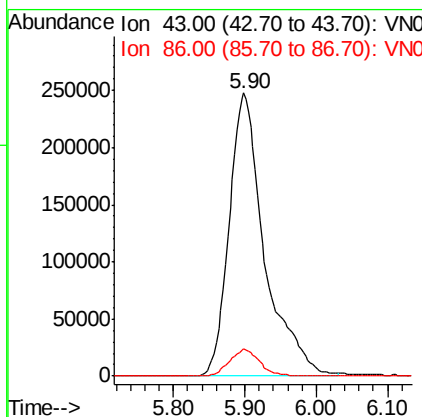
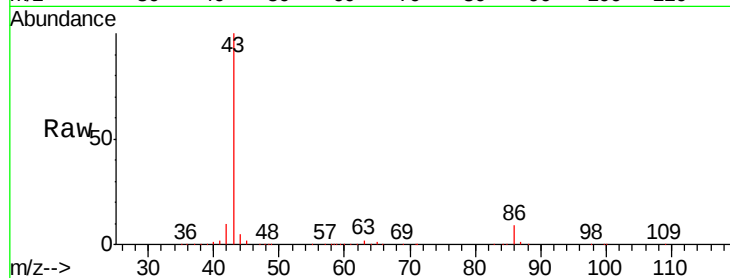
#23
 Vinyl Acetate
 Concen: 83.19 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
86	9.5	7.3	10.9

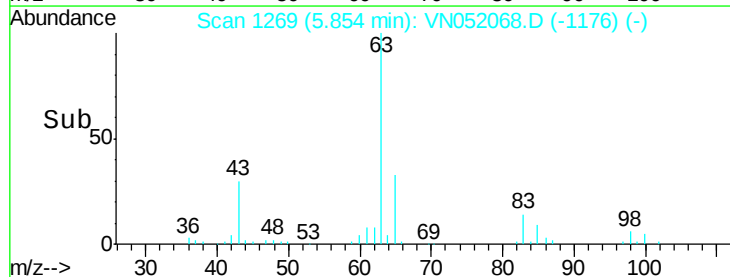
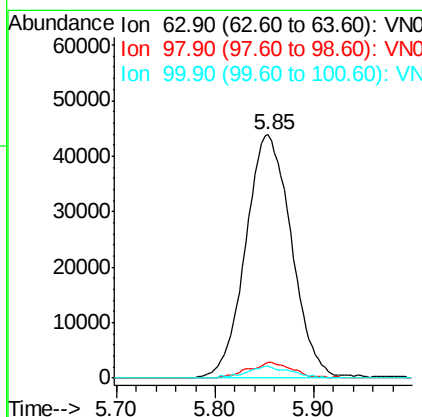
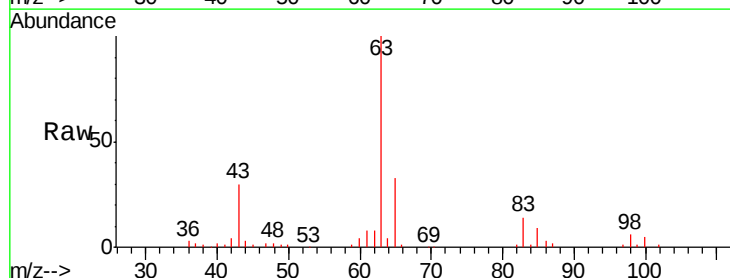
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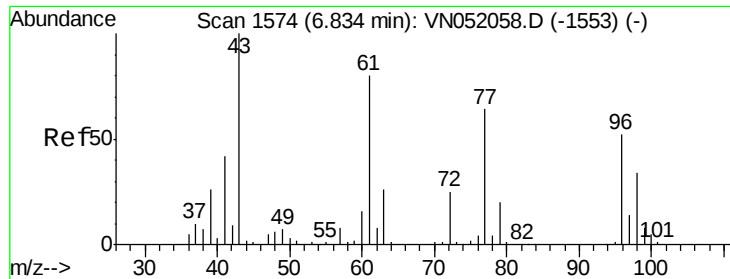
MMDadoda
 11/2/2018 1:11:08 PM



#24
 1,1-Dichloroethane
 Concen: 16.98 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.3	2.8	8.4
100	4.8	2.0	6.0





#25

2-Butanone

Concen: 84.63 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 43 Resp: 148283

Ion Ratio Lower Upper

43 100

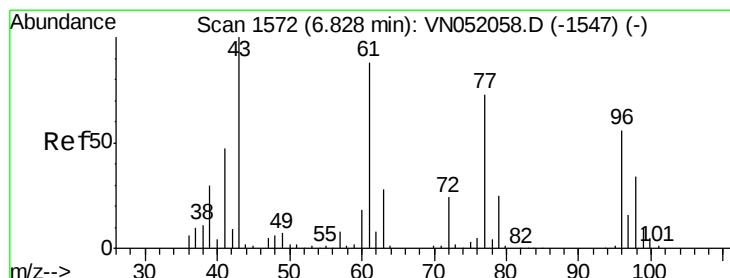
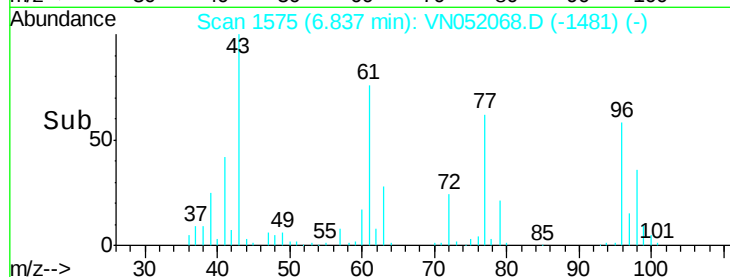
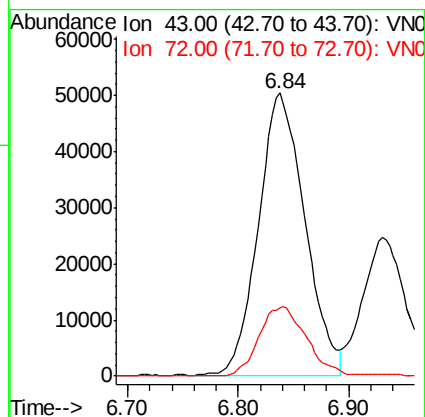
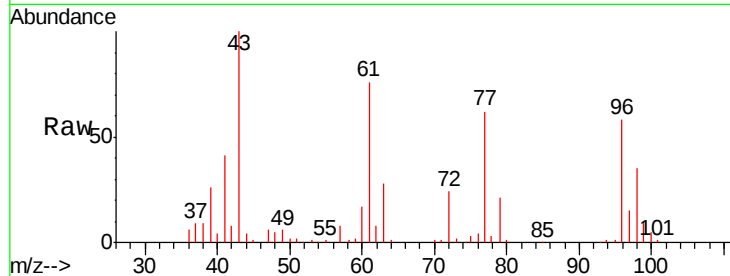
72 24.0 20.2 30.2

Manual Integrations

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11/2/2018 1:11:08 PM



#26

2,2-Dichloropropane

Concen: 16.67 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052068.D

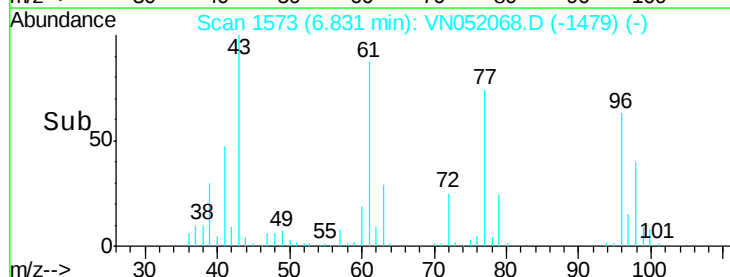
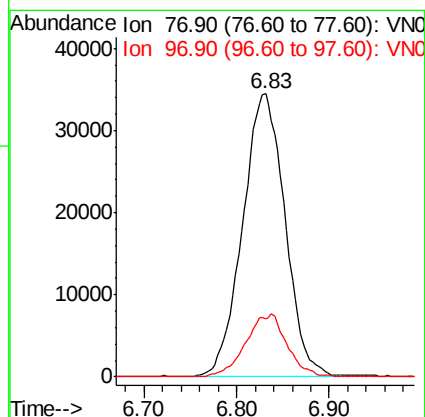
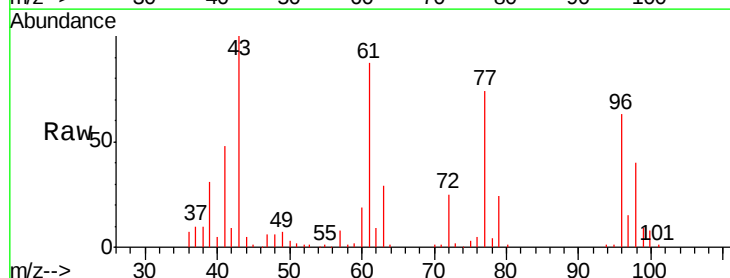
Acq: 31 Oct 2018 12:44

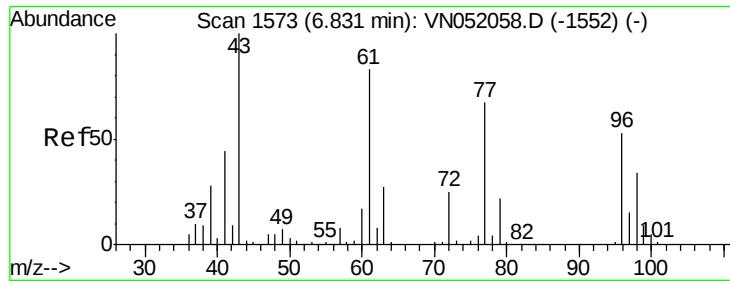
Tgt Ion: 77 Resp: 109591

Ion Ratio Lower Upper

77 100

97 21.5 10.5 31.5





#27

cis-1,2-Dichloroethene

Concen: 18.20 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

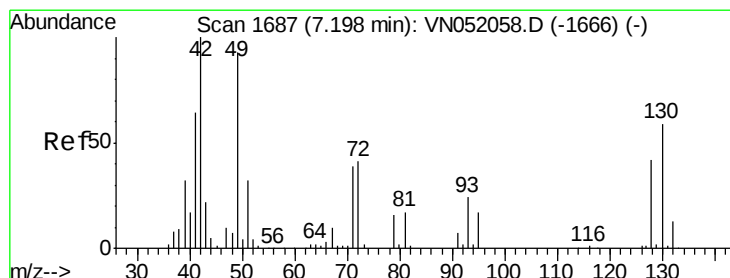
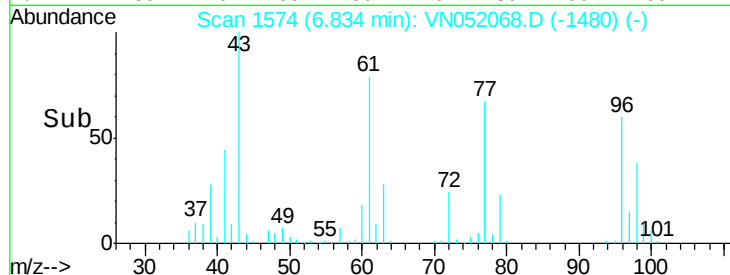
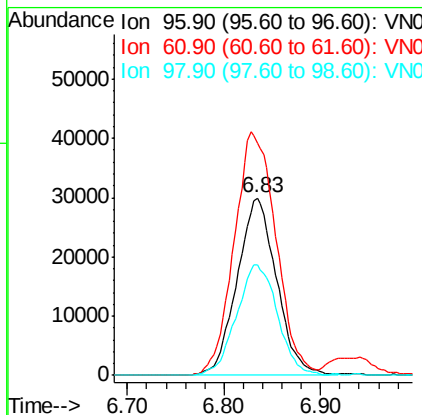
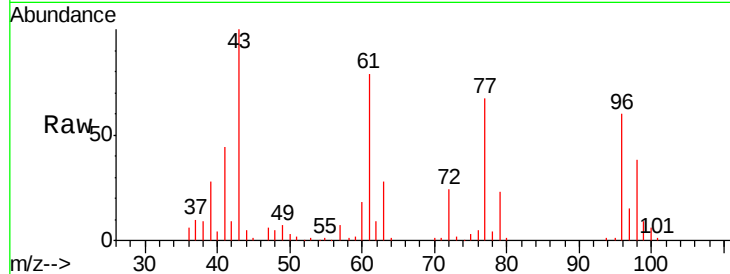
ClientSampled :

VN1031WBS01

Tgt Ion:	96	Resp:	84789
Ion	Ratio	Lower	Upper
96	100		
61	145.8	0.0	312.8
98	64.6	0.0	127.0

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11/2/2018 1:11:08 PM



#28

Bromochloromethane

Concen: 14.90 ug/l

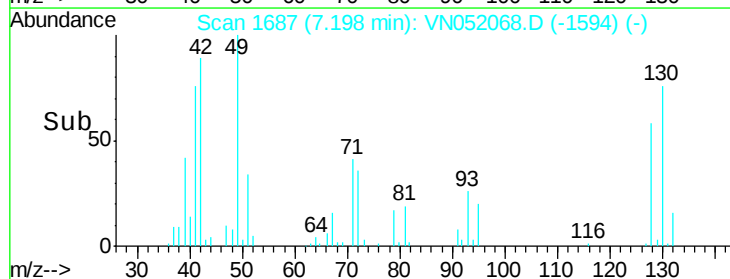
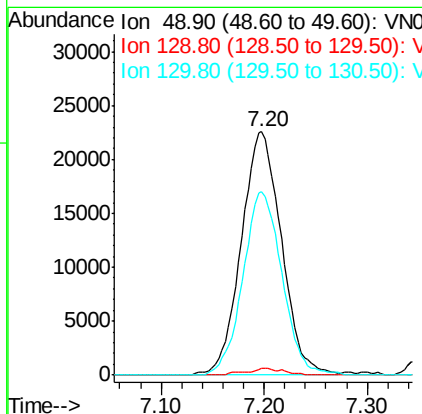
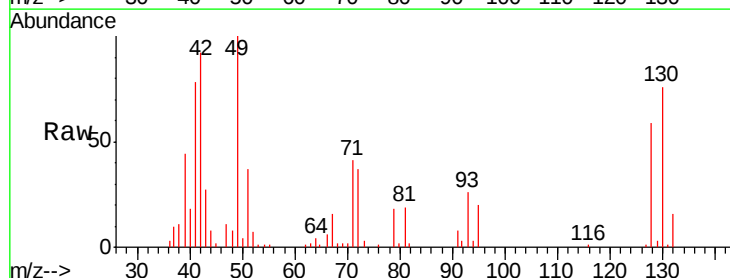
RT: 7.20 min Scan# 1687

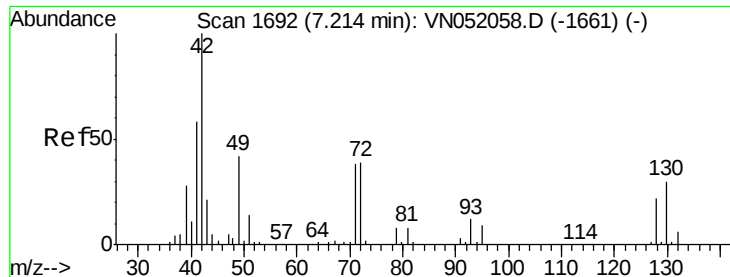
Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion:	49	Resp:	61116
Ion	Ratio	Lower	Upper
49	100		
129	0.6	0.0	2.4
130	73.4	50.8	76.2





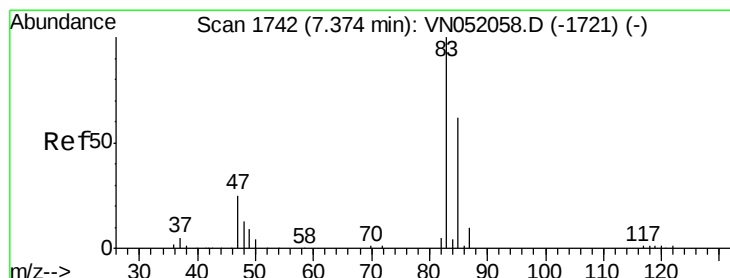
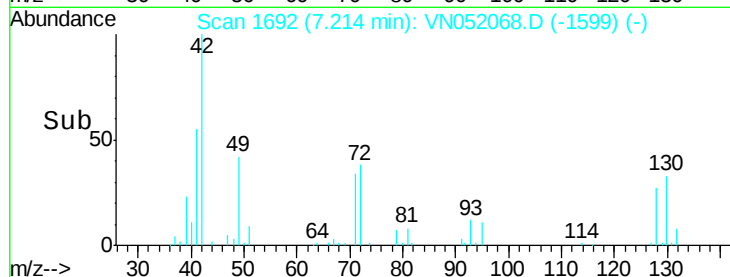
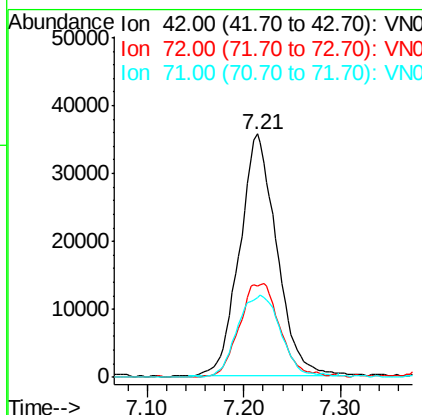
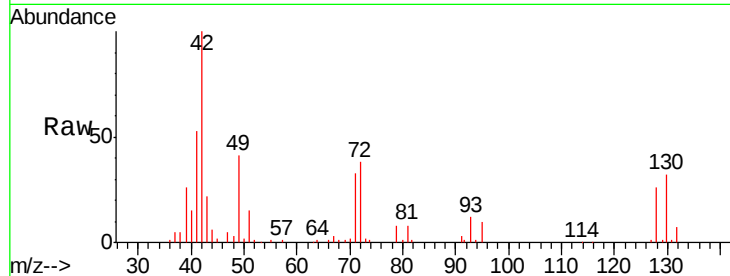
#29
Tetrahydrofuran
Concen: 81.18 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.6	32.5	48.7
71	40.0	30.6	46.0

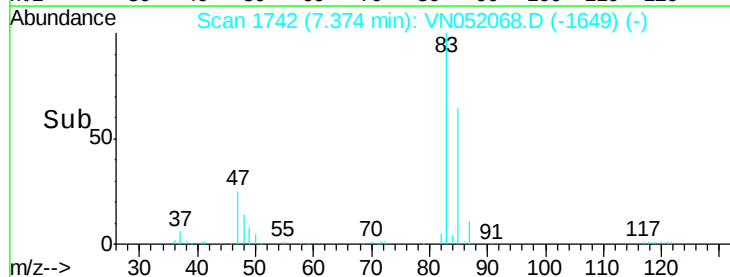
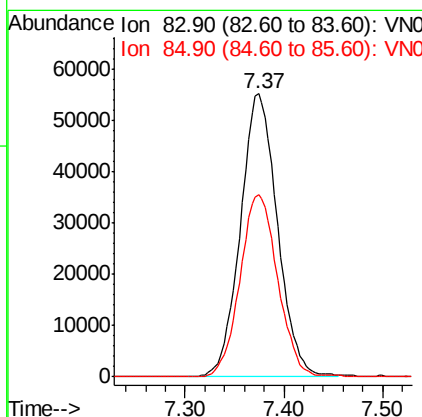
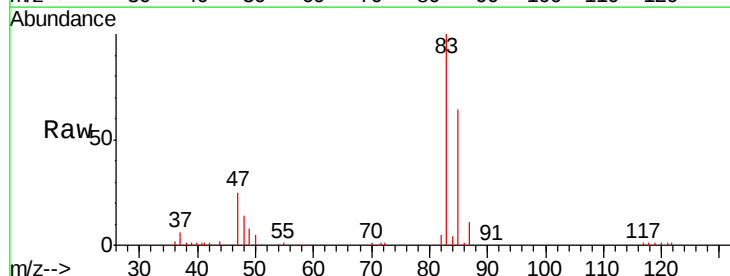
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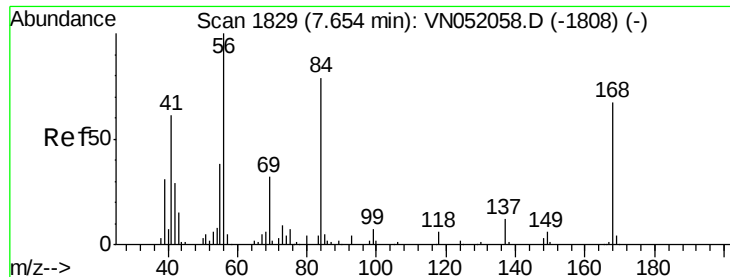
MMDadoda
11/2/2018 1:11:08 PM



#30
Chloroform
Concen: 17.36 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	49.6	74.4





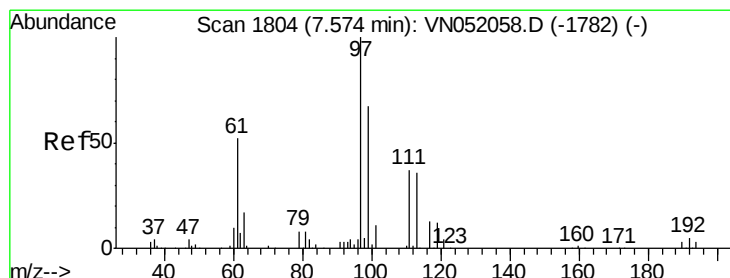
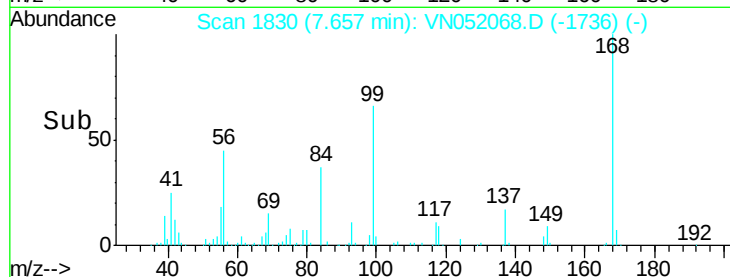
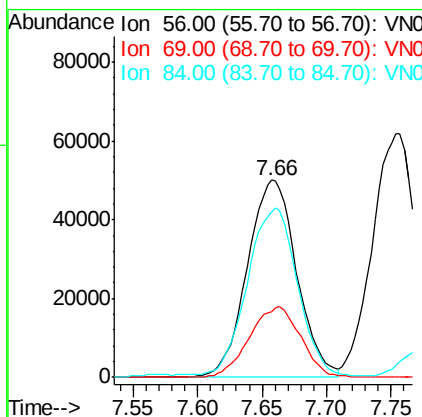
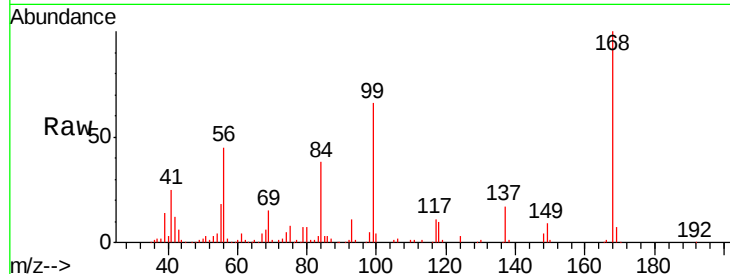
#31
Cyclohexane
Concen: 15.36 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	33.5	25.8	38.6
84	82.4	63.5	95.3

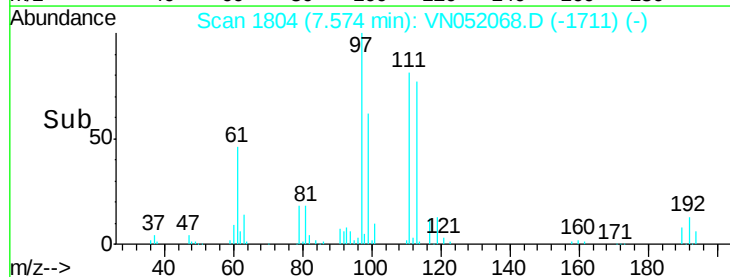
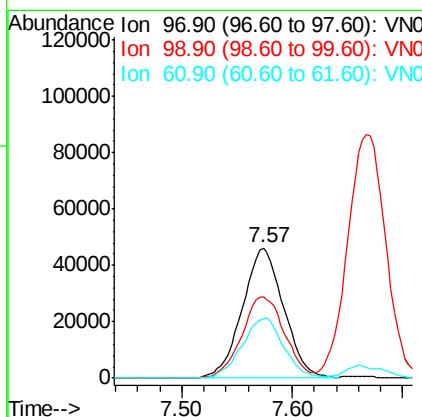
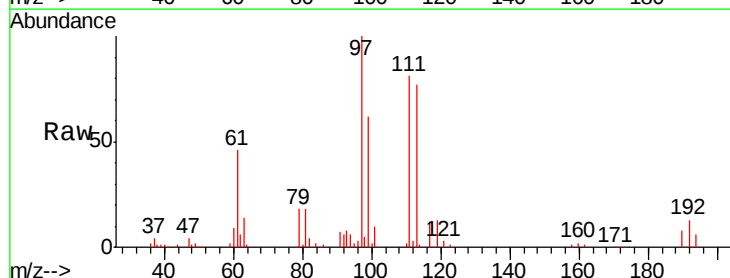
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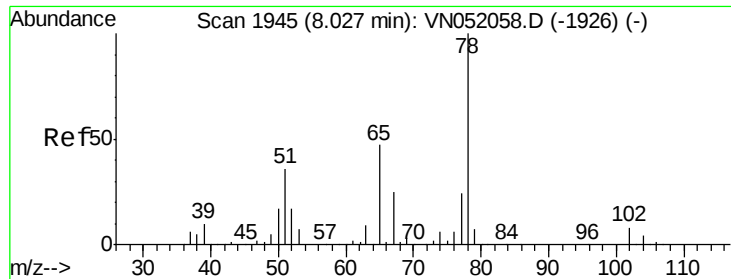
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 18.06 ug/l
RT: 7.57 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.4	77.2
61	46.3	40.3	60.5





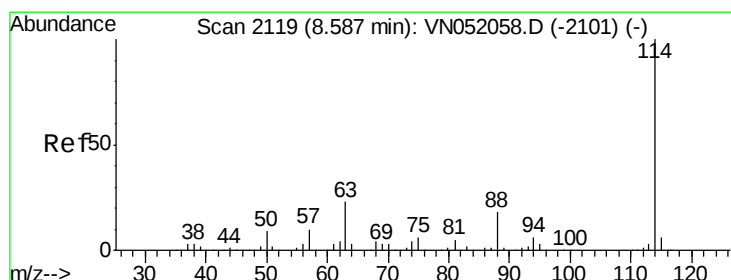
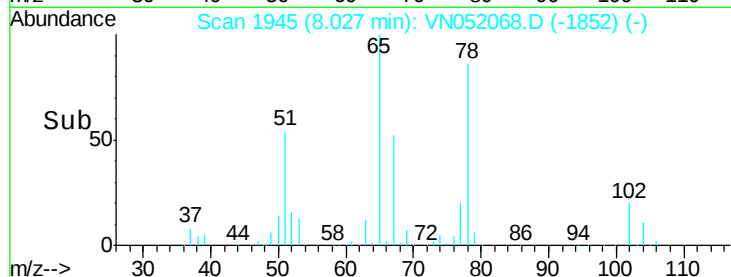
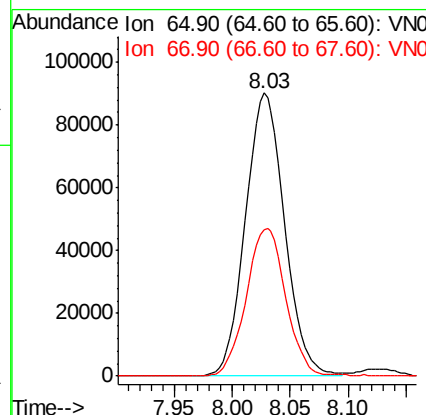
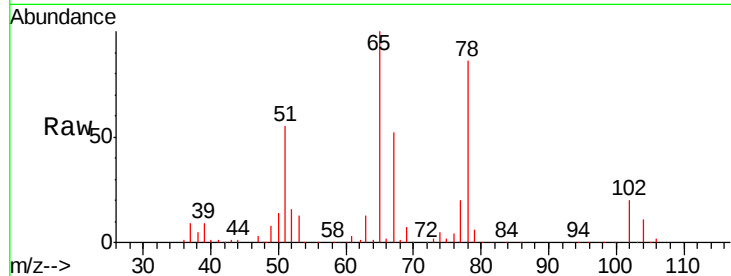
#33
 1,2-Dichloroethane-d4
 Concen: 18.06 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN1031WBS01

Tgt Ion: 65 Resp: 211876
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 105.2

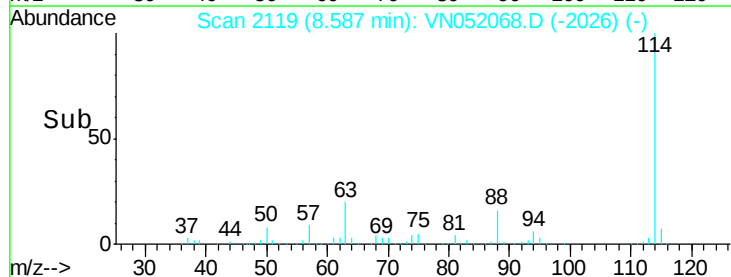
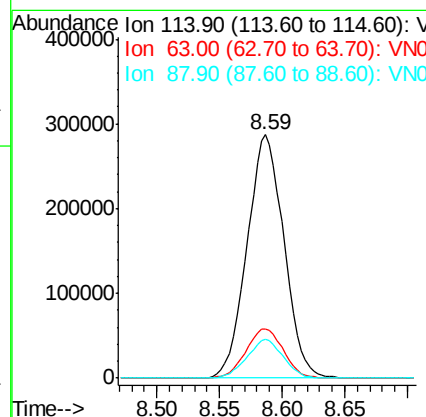
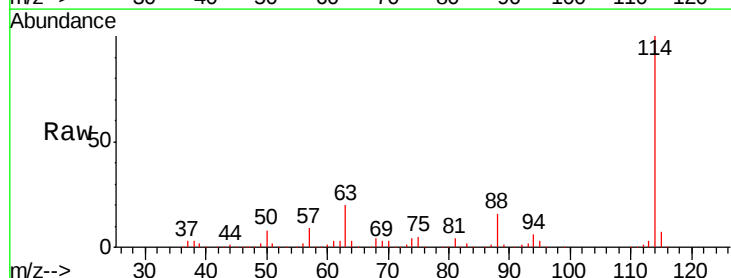
Manual Integrations
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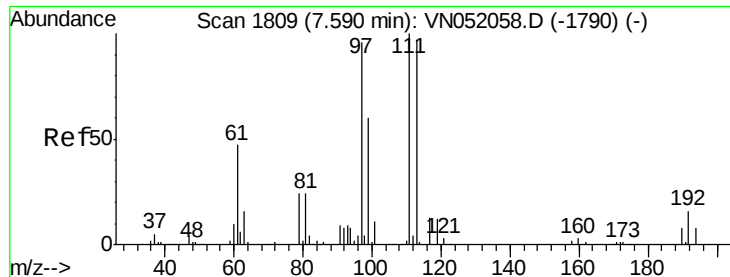
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 11/2/2018 1:11:08 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 114 Resp: 587743
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 46.0
 88 15.9 0.0 35.4





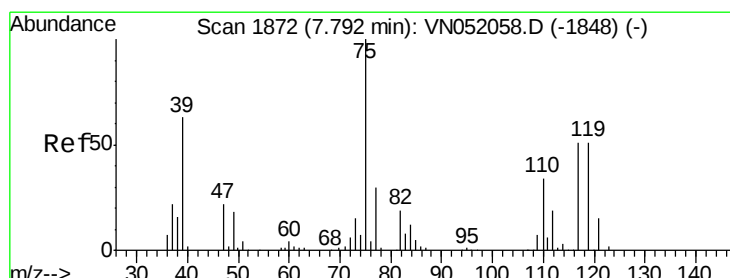
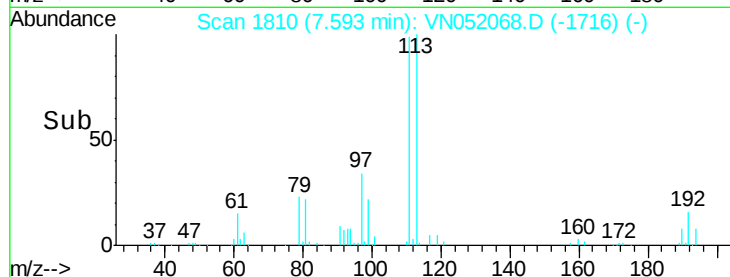
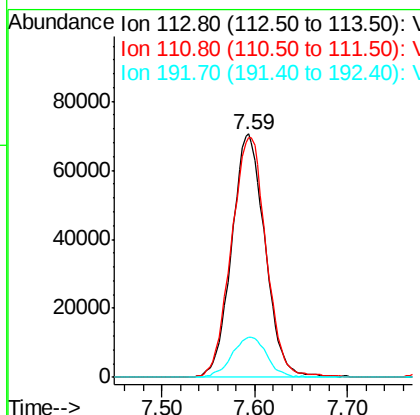
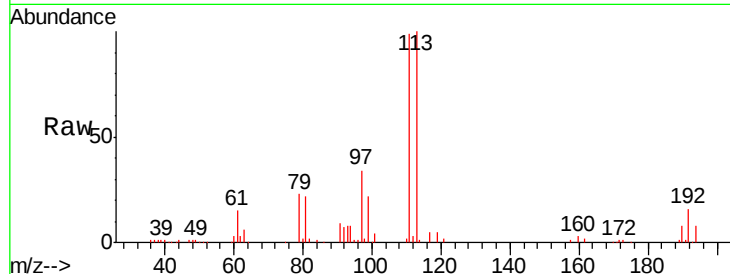
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	176256		
111	102.7	83.1	124.7	
192	17.0	12.7	19.1	

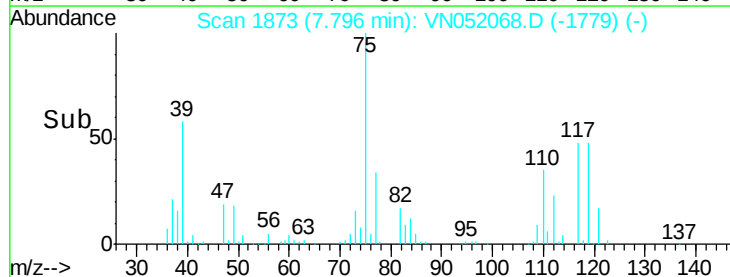
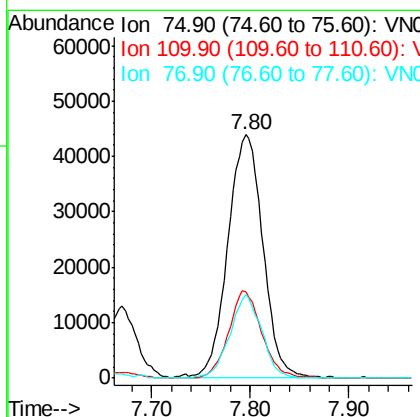
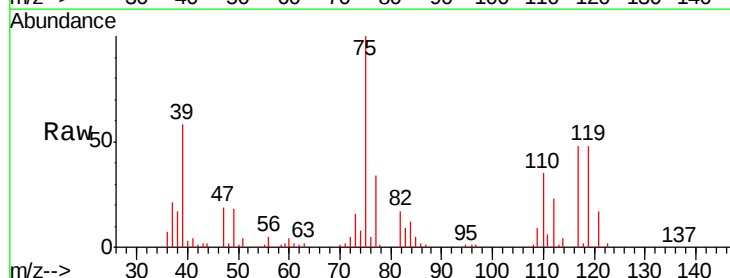
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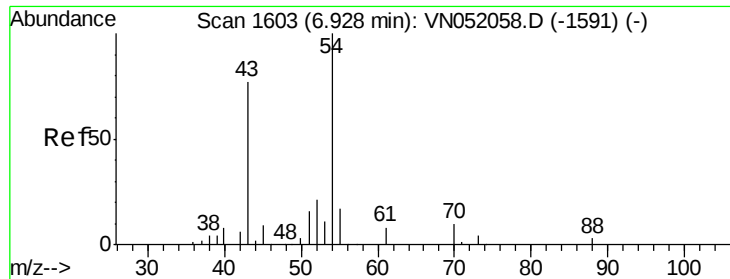
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#36
 1,1-Dichloropropene
 Concen: 18.24 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	109017		
110	33.7	16.0	48.0	
77	31.0	24.5	36.7	





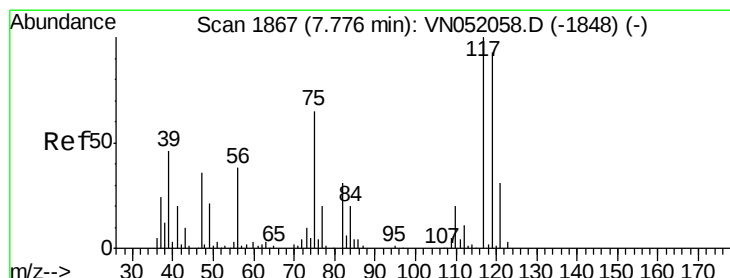
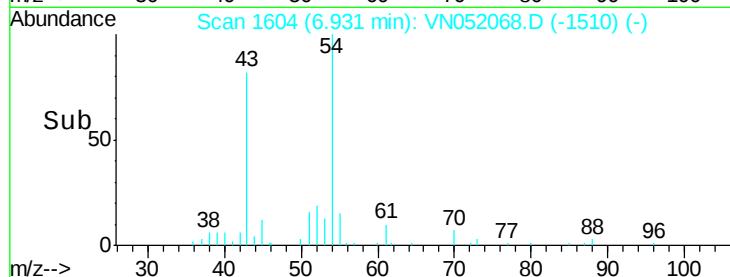
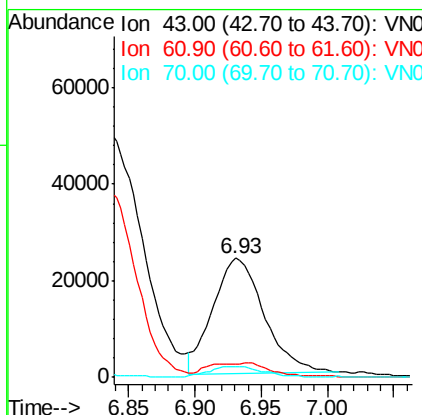
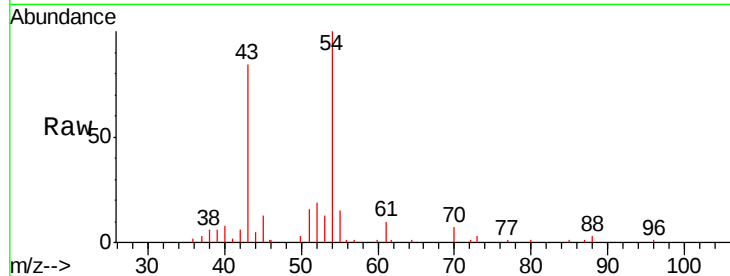
#37
Ethyl Acetate
 Concen: 16.13 ug/l
 RT: 6.93 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.9	16.3#
70	4.4	8.6	12.8#

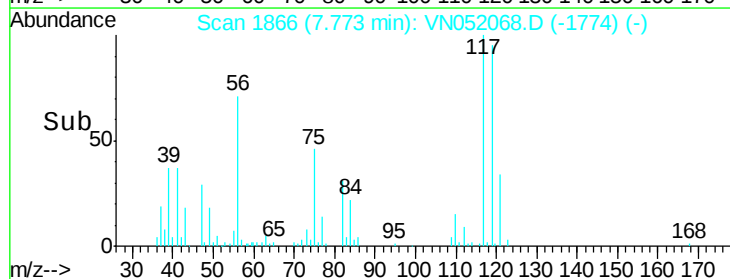
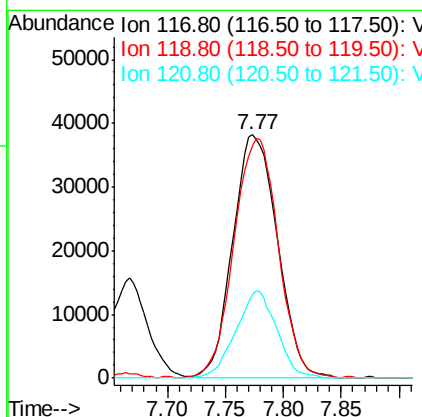
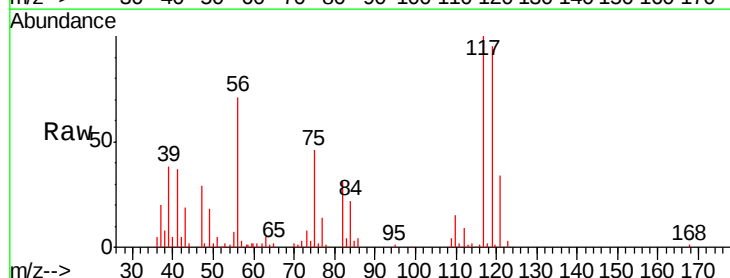
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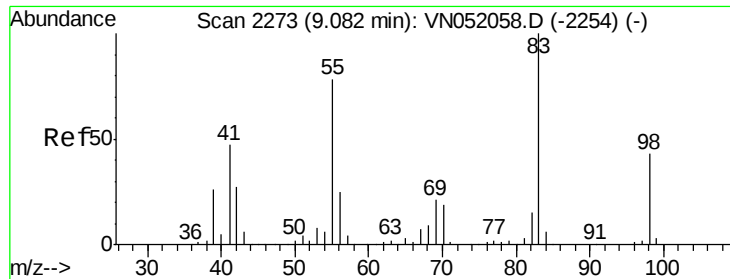
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#38
Carbon Tetrachloride
 Concen: 19.85 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.0	74.8	112.2
121	34.2	25.1	37.7





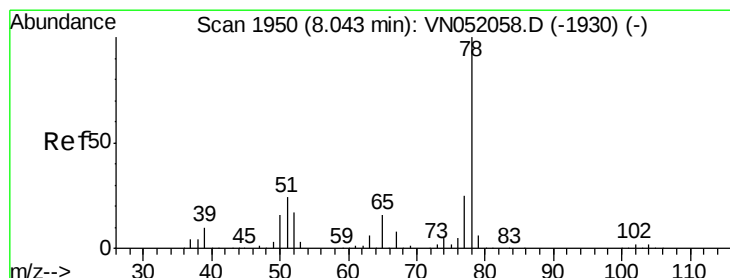
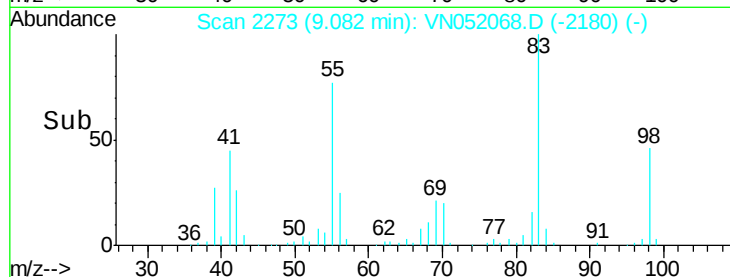
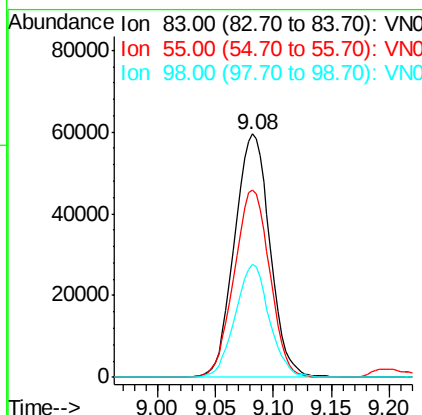
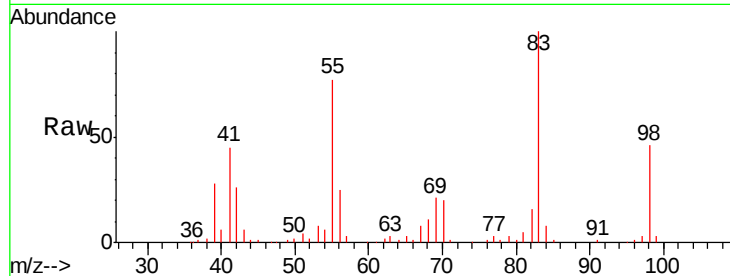
#39
Methylcyclohexane
Concen: 17.84 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	126537		
55	77.0	62.0	93.0	
98	46.4	34.7	52.1	

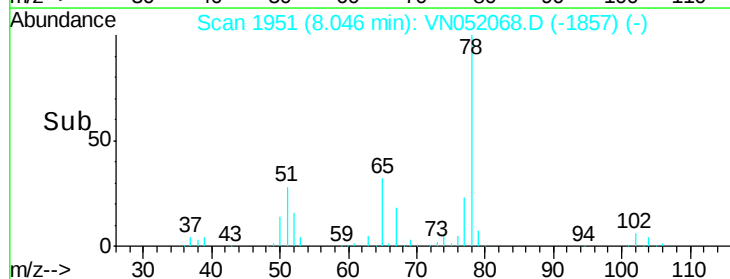
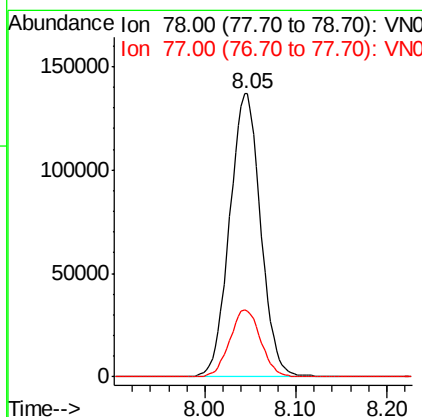
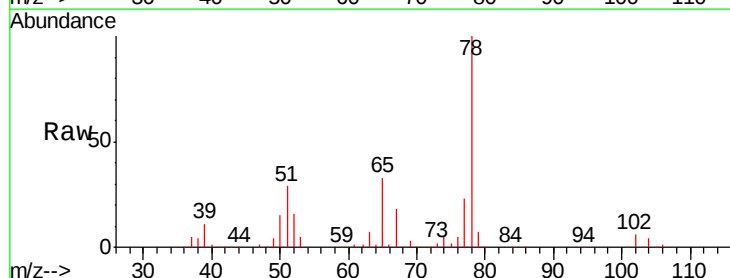
Manual Integrations
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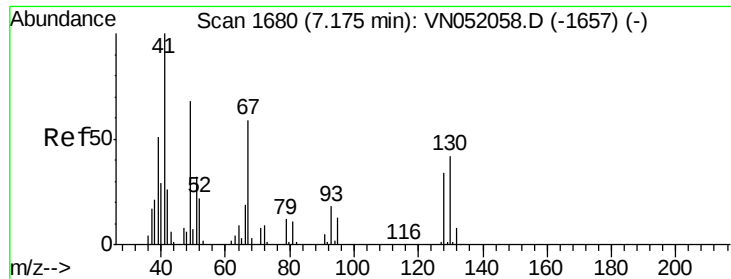
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#40
Benzene
Concen: 18.74 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	323883		
77	23.4	19.8	29.6	





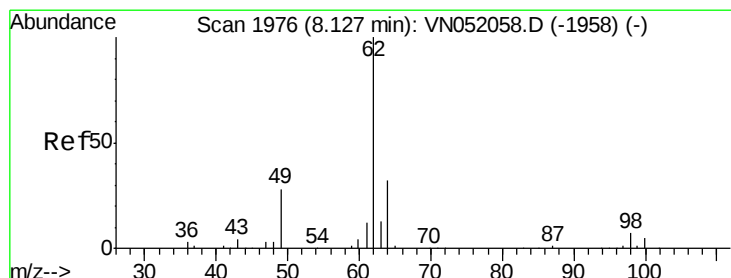
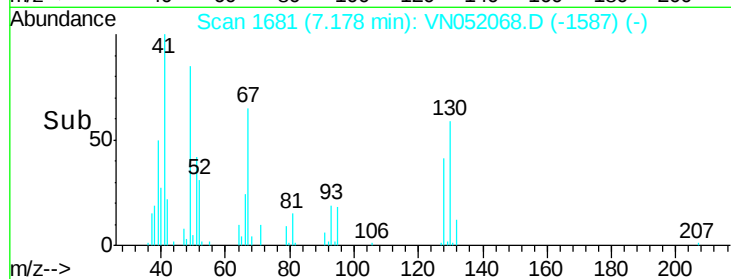
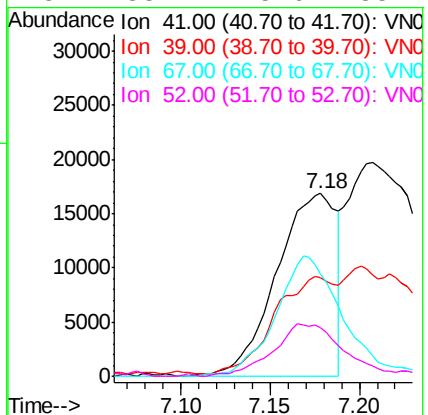
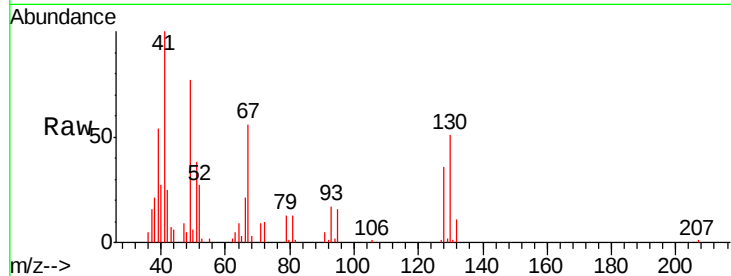
#41
Methacrylonitrile
Concen: 18.98 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	55.0	33.2	49.8#
67	74.0	63.5	95.3
52	33.4	25.6	38.4

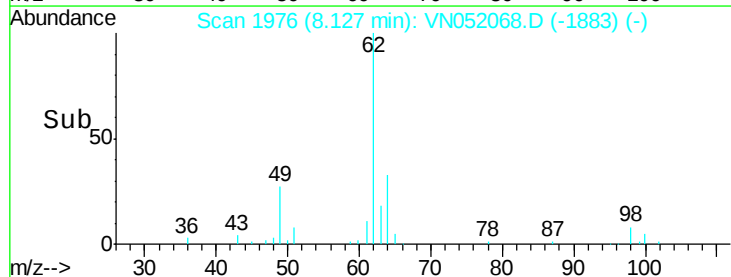
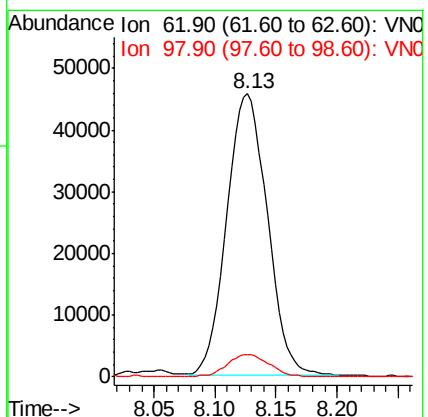
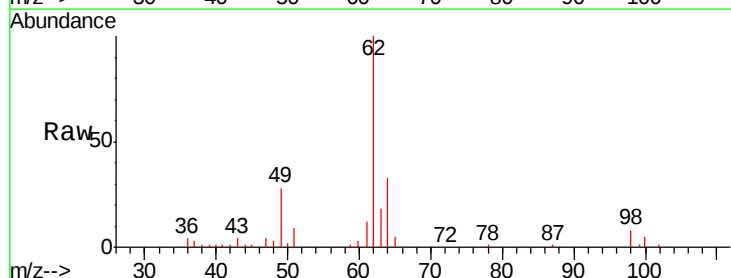
Manual Integrations
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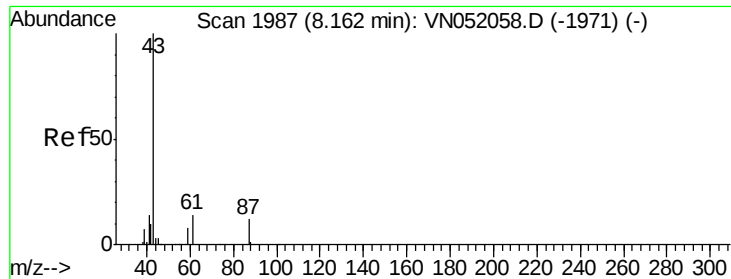
MMDadoda
11/2/2018 1:11:08 PM



#42
1,2-Dichloroethane
Concen: 16.55 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	15.2





#43

Isopropyl Acetate

Concen: 16.91 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

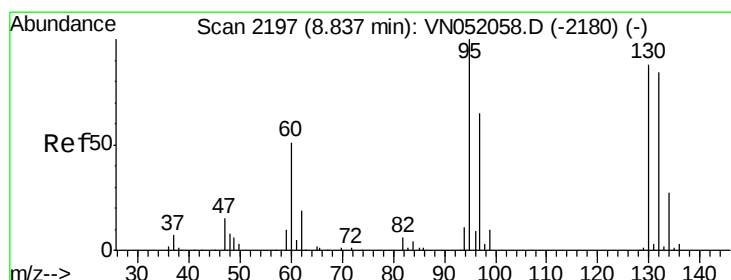
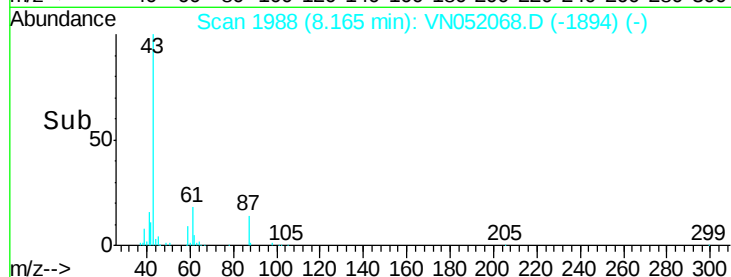
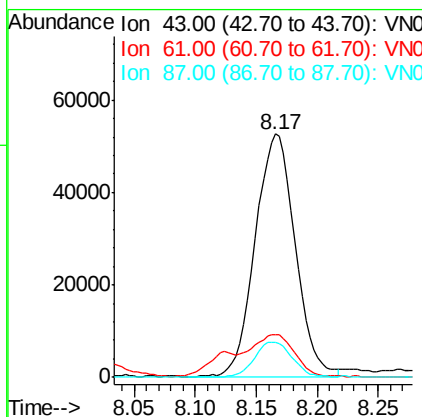
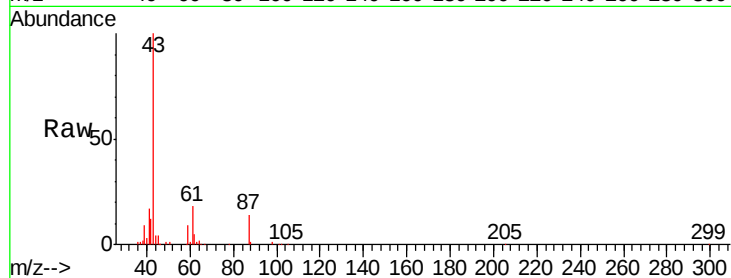
ClientSampleId :

VN1031WBS01

Tgt Ion:	43	Resp:	120333
Ion Ratio	Lower	Upper	
43	100		
61	17.6	15.4	23.0
87	13.7	9.8	14.8

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#44

Trichloroethene

Concen: 19.75 ug/l

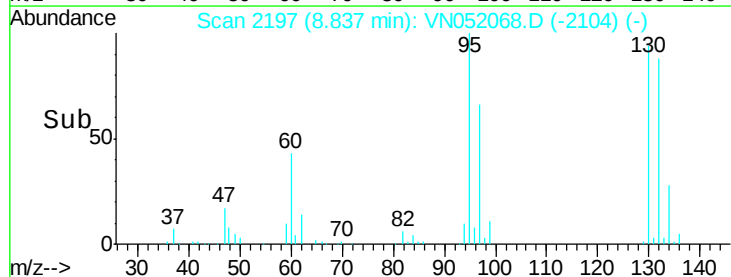
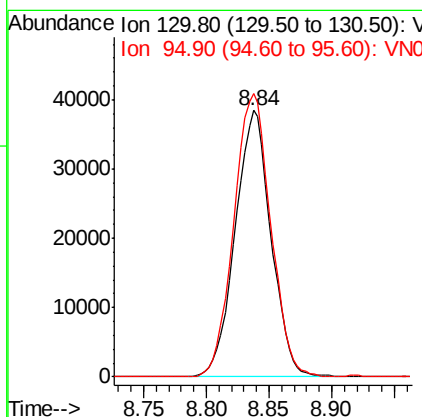
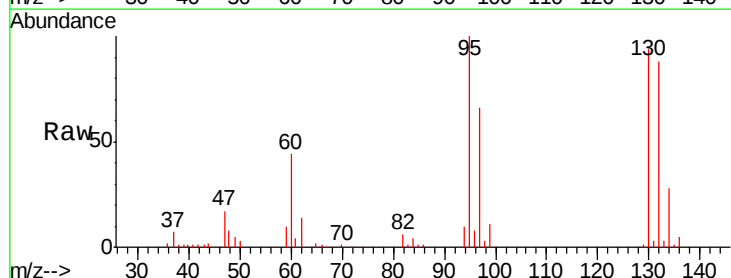
RT: 8.84 min Scan# 2197

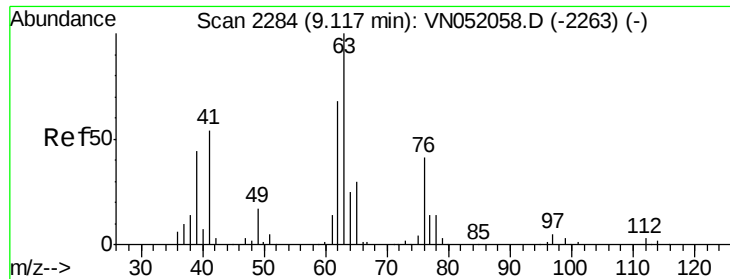
Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion:	130	Resp:	76359
Ion Ratio	Lower	Upper	
130	100		
95	106.2	0.0	228.4





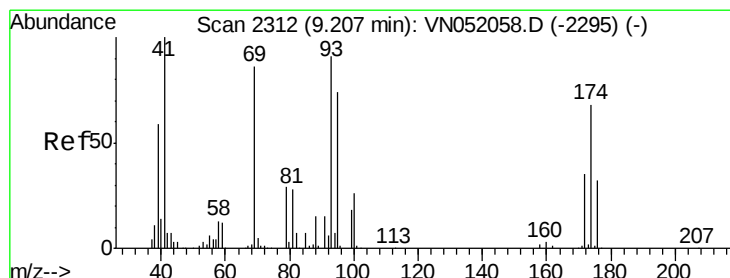
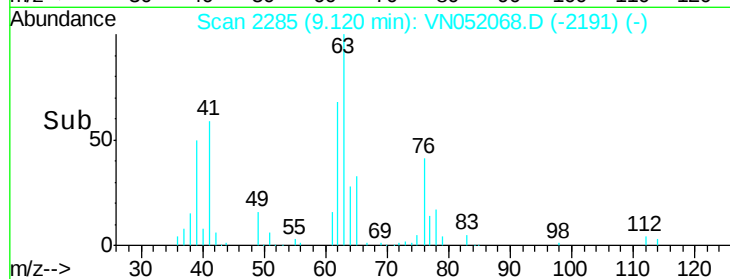
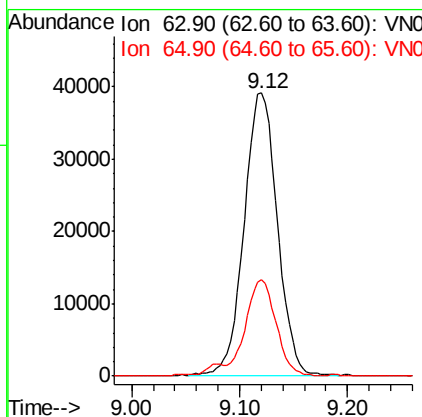
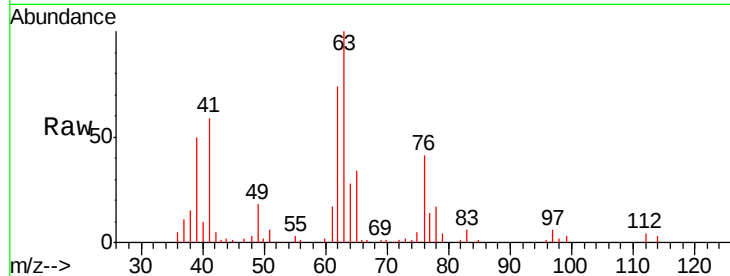
#45
 1,2-Dichloropropane
 Concen: 17.12 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion: 63 Resp: 84317
 Ion Ratio Lower Upper
 63 100
 65 33.5 24.5 36.7

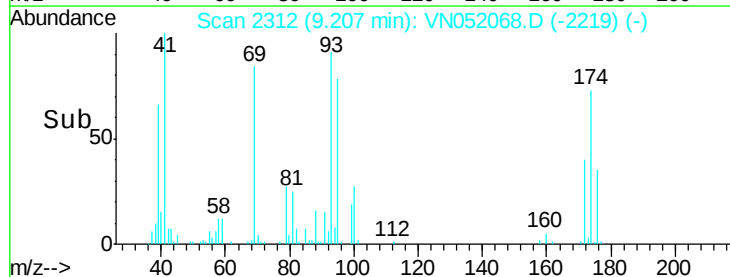
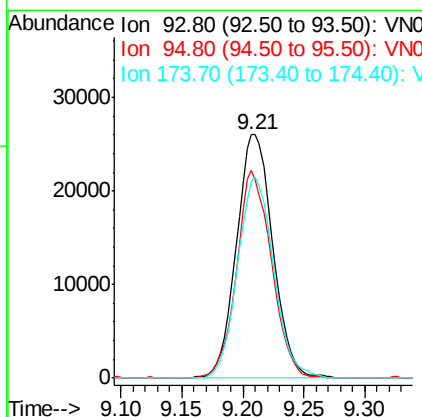
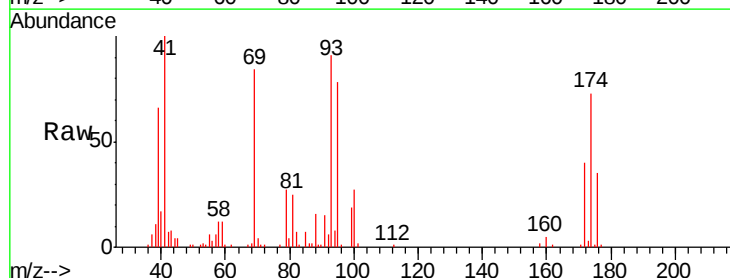
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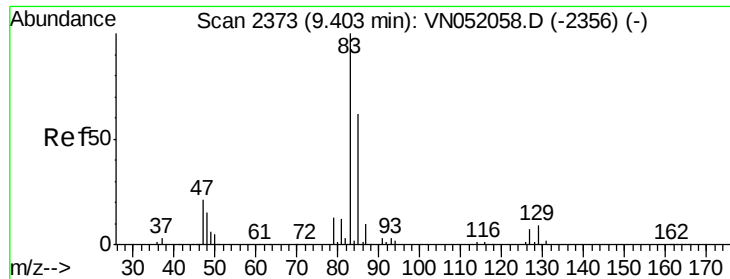
MMDadoda
 11/2/2018 1:11:08 PM



#46
 Dibromomethane
 Concen: 19.45 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 93 Resp: 53542
 Ion Ratio Lower Upper
 93 100
 95 81.8 67.2 100.8
 174 82.1 59.7 89.5





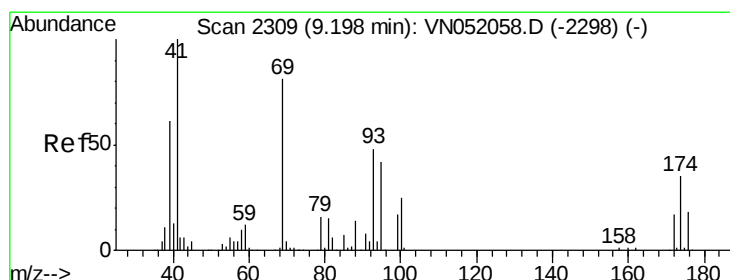
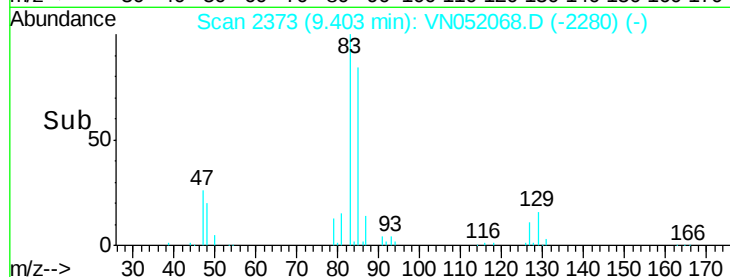
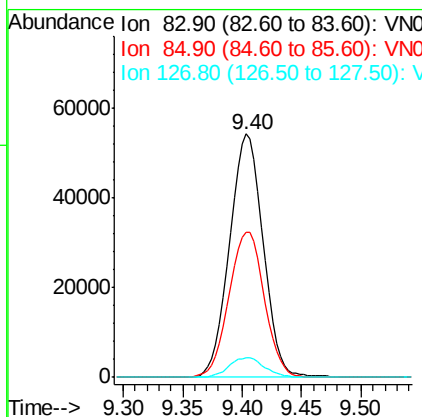
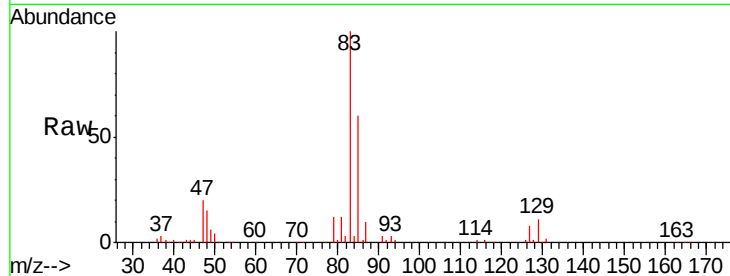
#47
Bromodichloromethane
Concen: 18.57 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.7	49.4	74.2
127	7.9	5.8	8.8

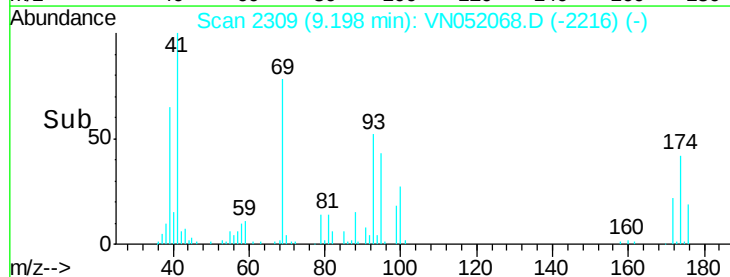
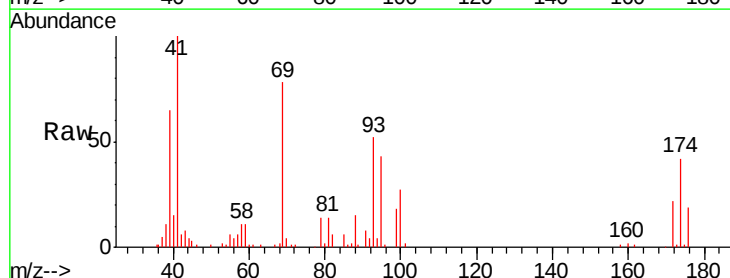
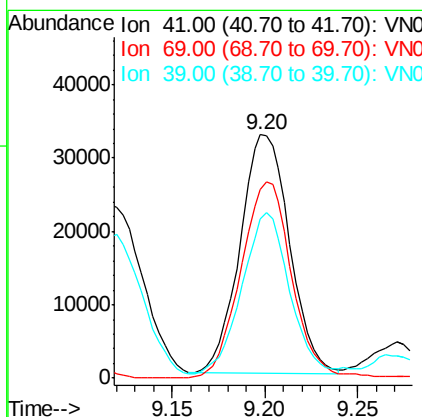
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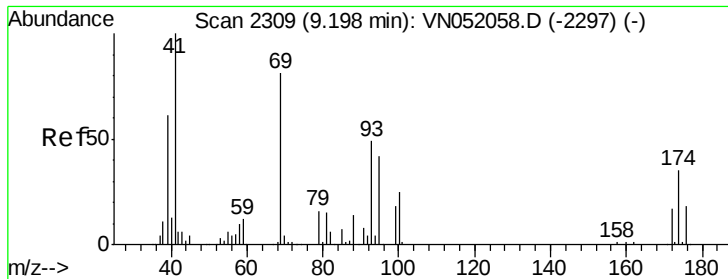
MMDadoda
11/2/2018 1:11:08 PM



#48
Methyl methacrylate
Concen: 16.80 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	85.0	67.1	100.7
39	68.3	50.5	75.7





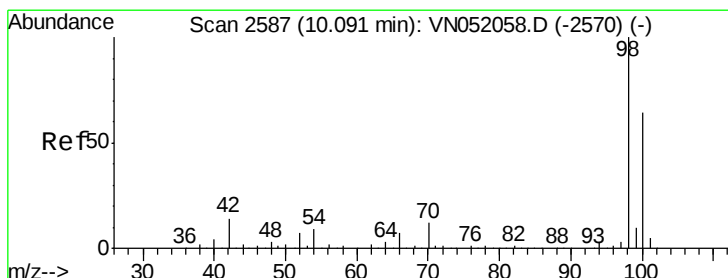
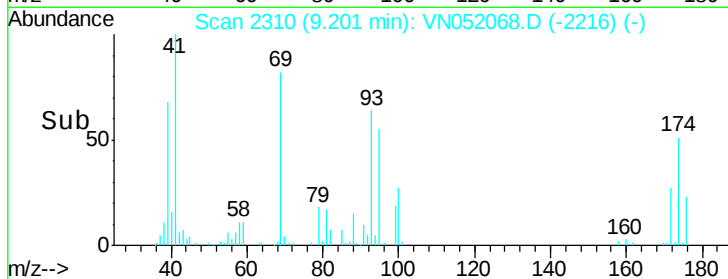
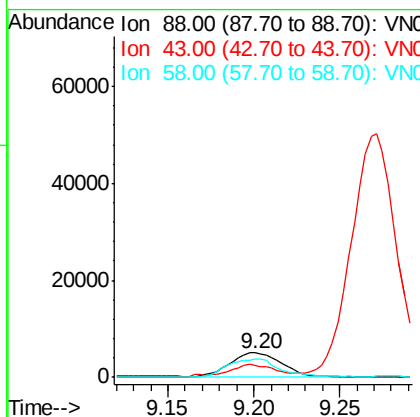
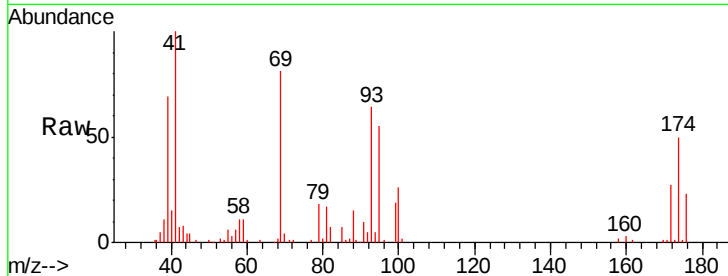
#49
1,4-Dioxane
Concen: 372.71 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	31.4	34.1	51.1#
58	75.9	62.8	94.2

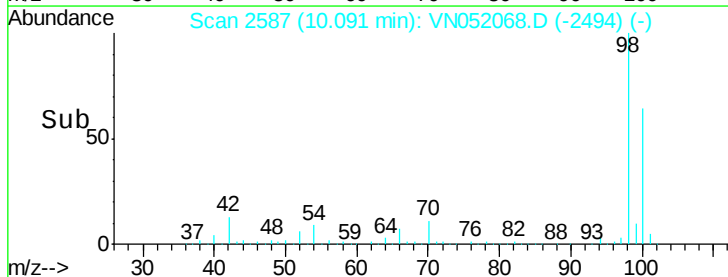
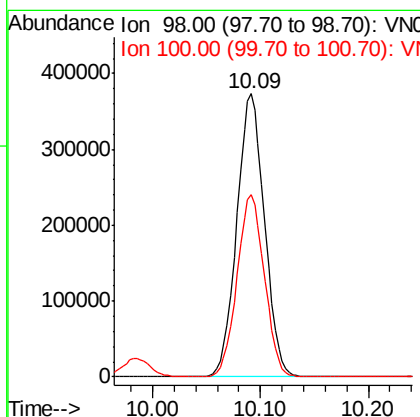
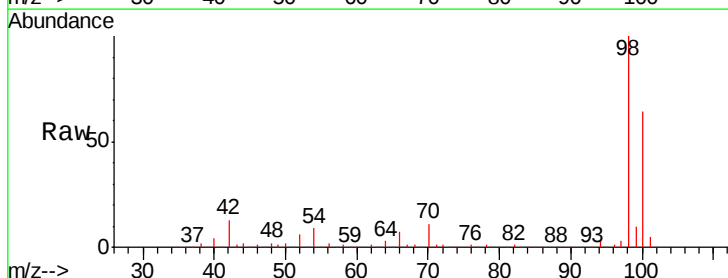
Manual Integrations
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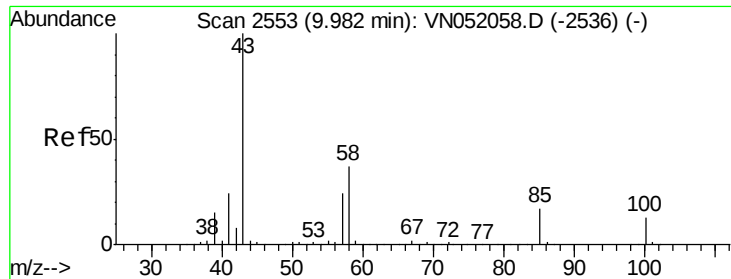
MMDadoda
11/2/2018 1:11:08 PM



#50
Toluene-d8
Concen: 372.71 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.4	77.2





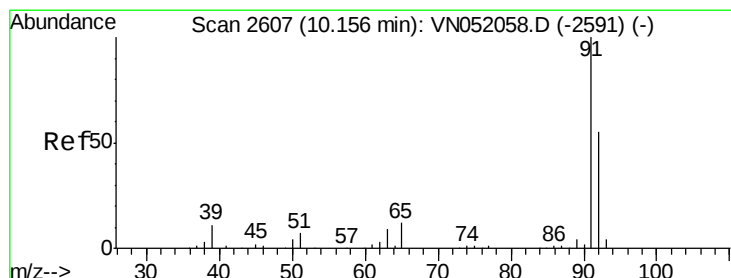
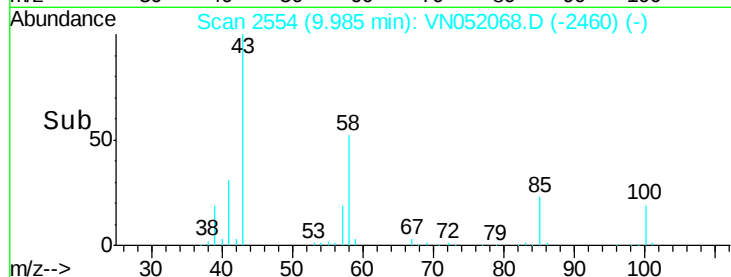
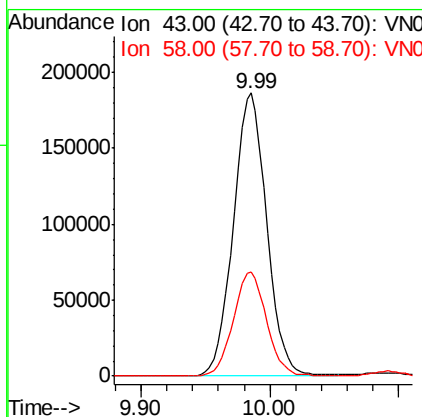
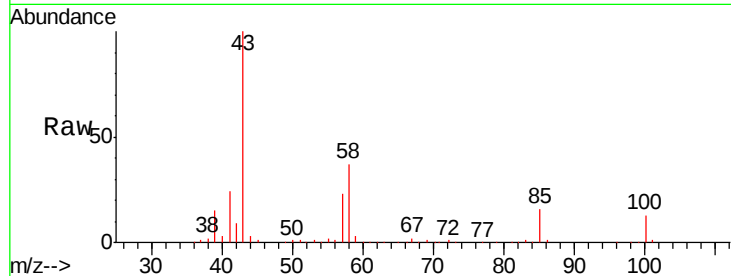
#51
4-Methyl-2-Pentanone
Concen: 86.22 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 43 Resp: 333419
Ion Ratio Lower Upper
43 100
58 36.8 29.7 44.5

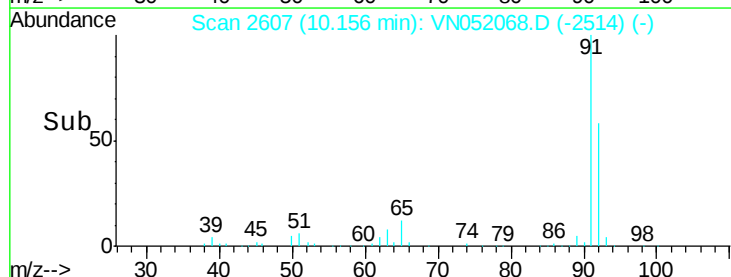
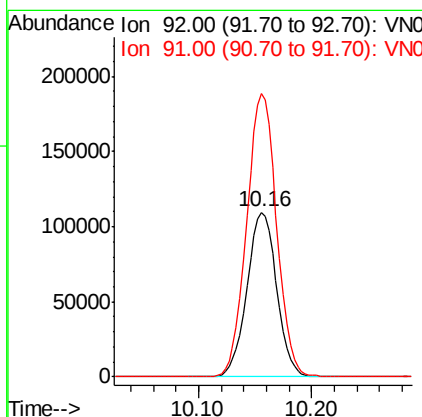
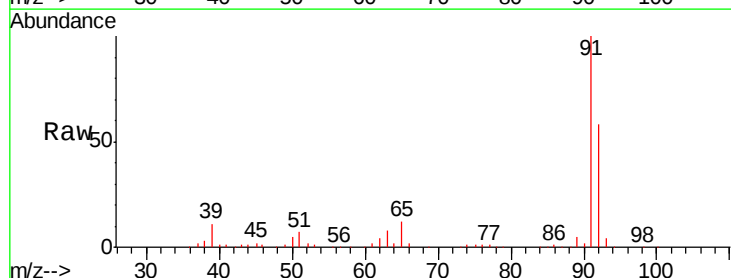
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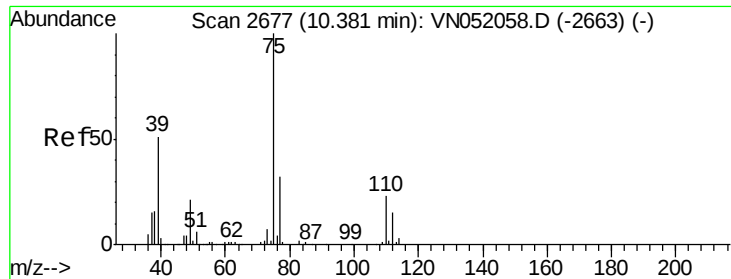
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#52
Toluene
Concen: 19.17 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 92 Resp: 200038
Ion Ratio Lower Upper
92 100
91 173.5 143.9 215.9





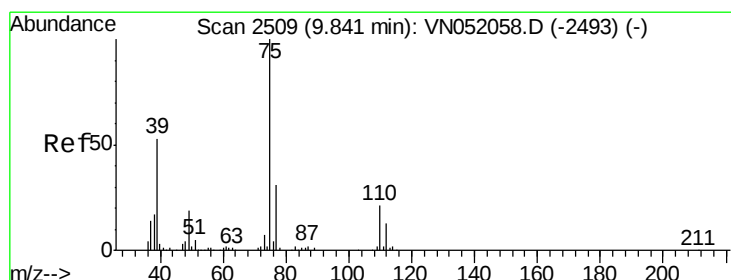
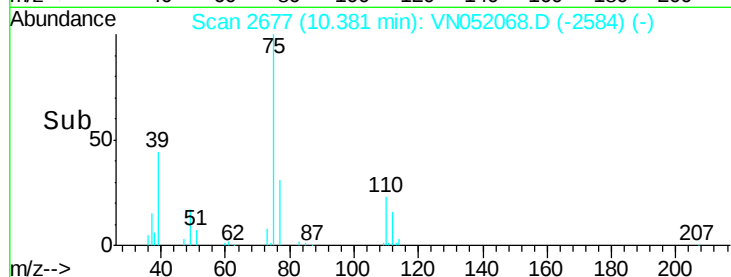
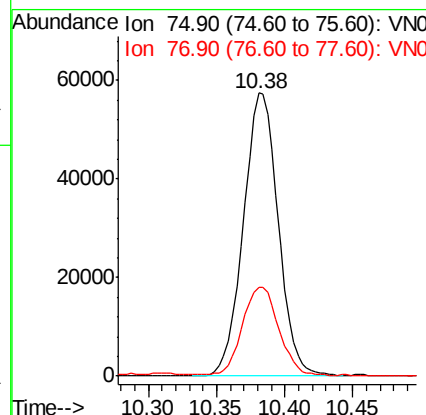
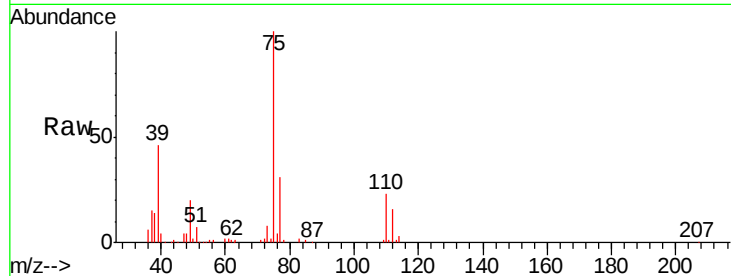
#53
t-1,3-Dichloropropene
Concen: 16.79 ug/l
RT: 10.38 min Scan# 2677
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 75 Resp: 101912
Ion Ratio Lower Upper
75 100
77 31.0 25.6 38.4

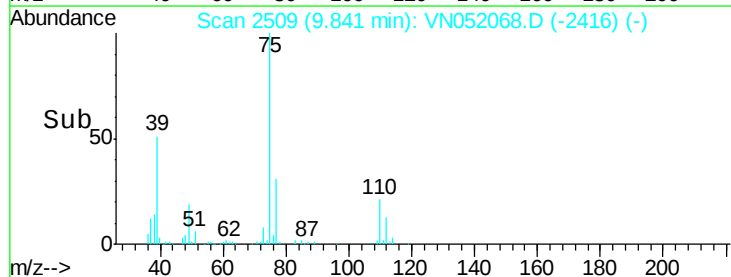
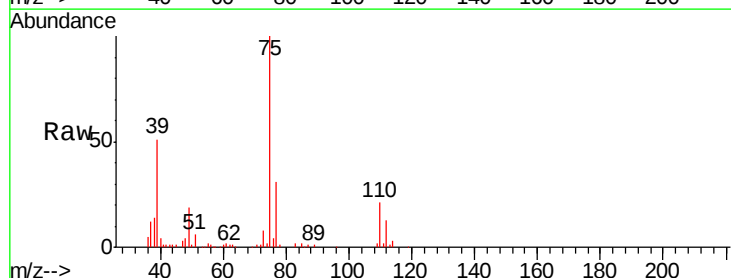
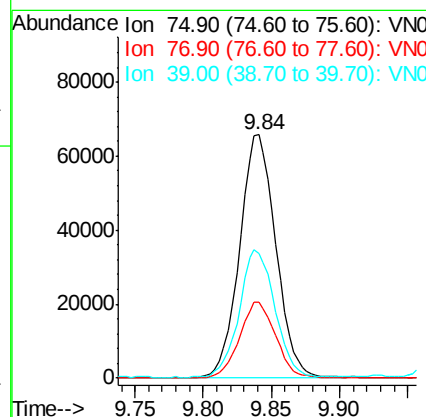
Manual Integrations
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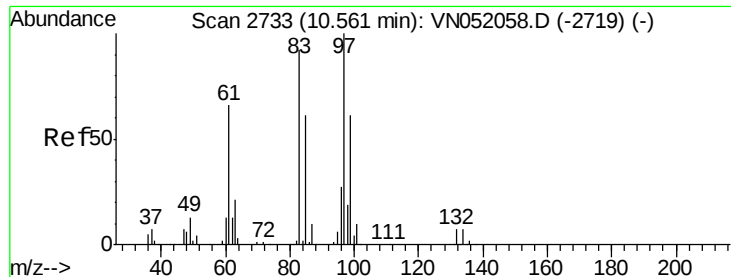
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#54
cis-1,3-Dichloropropene
Concen: 18.01 ug/l
RT: 9.84 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 75 Resp: 121385
Ion Ratio Lower Upper
75 100
77 31.4 25.0 37.4
39 50.5 42.3 63.5





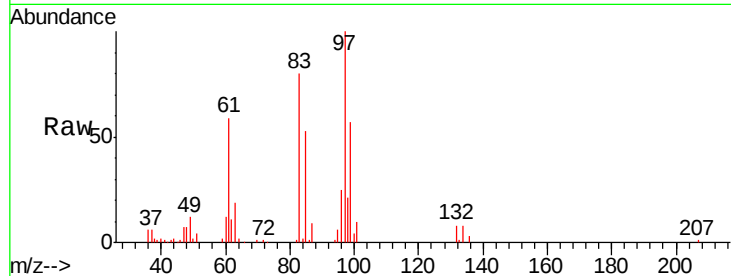
#55
 1,1,2-Trichloroethane
 Concen: 19.32 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	79.7	73.8	110.8
85	53.0	48.4	72.6
99	57.1	48.6	72.8

Manual Integrations
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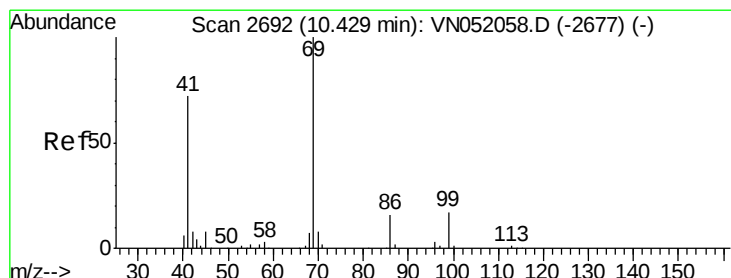
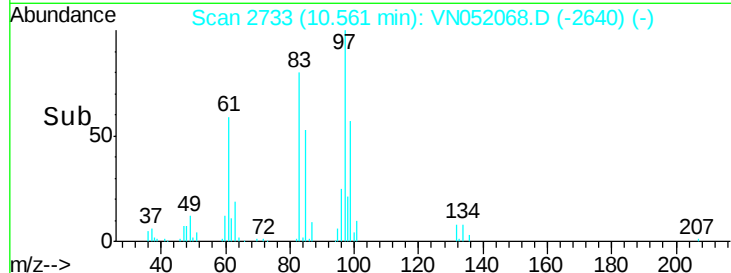
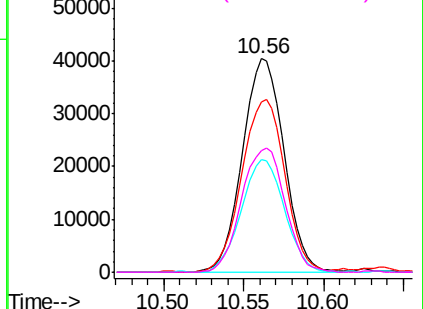
Abundance

Ion 96.90 (96.60 to 97.60): VNC

Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 98.90 (98.60 to 99.60): VNC



#56
 Ethyl methacrylate
 Concen: 17.40 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

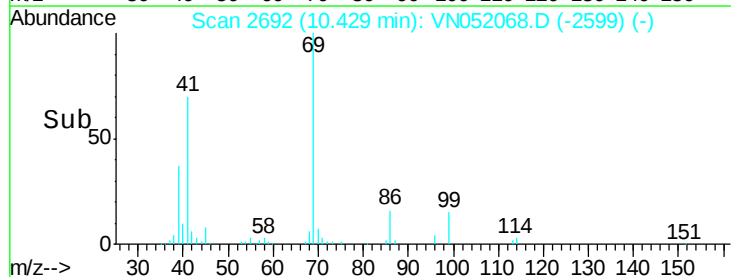
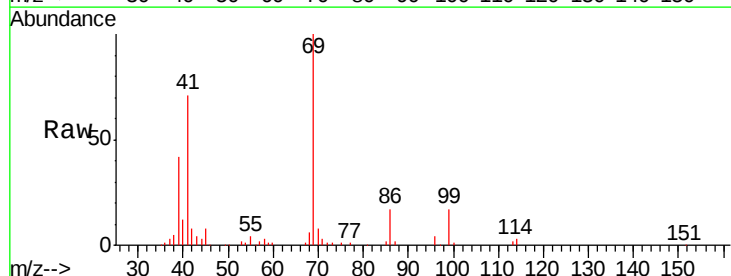
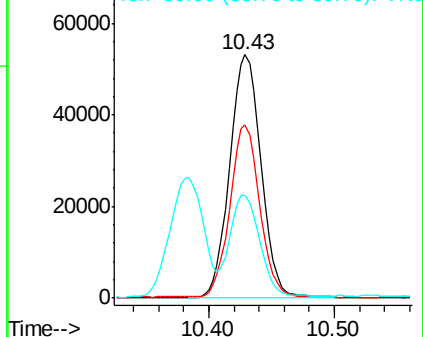
Tgt Ion	Ratio	Lower	Upper
69	100		
41	66.6	55.5	83.3
39	40.2	33.0	49.4

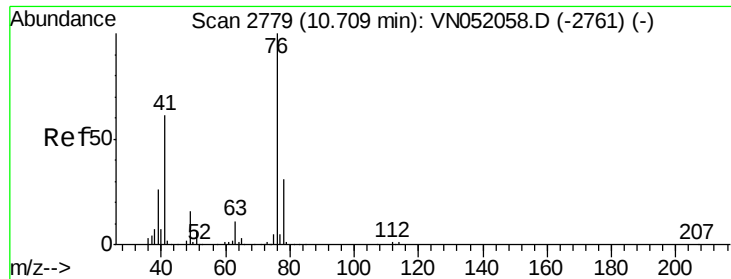
Abundance

Ion 69.00 (68.70 to 69.70): VNC

Ion 41.00 (40.70 to 41.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





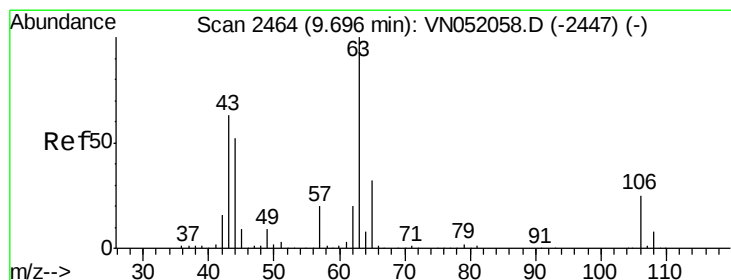
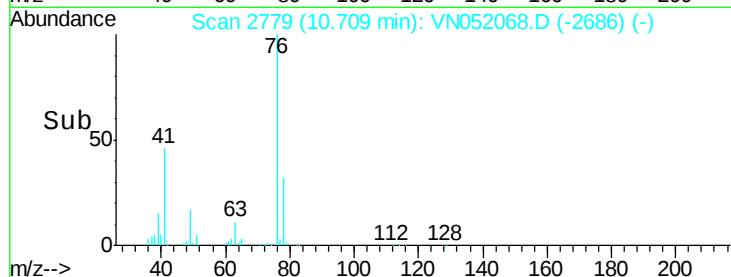
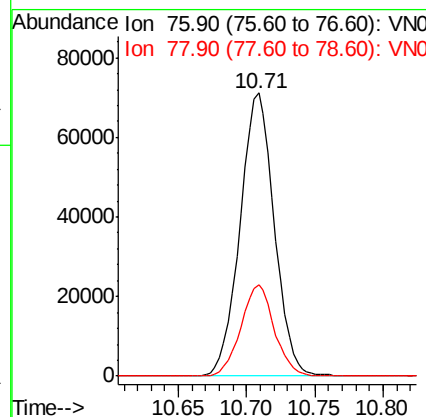
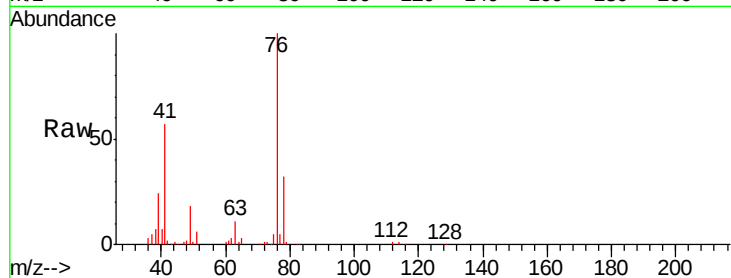
#57
 1,3-Dichloropropane
 Concen: 18.12 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion: 76 Resp: 123925
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0

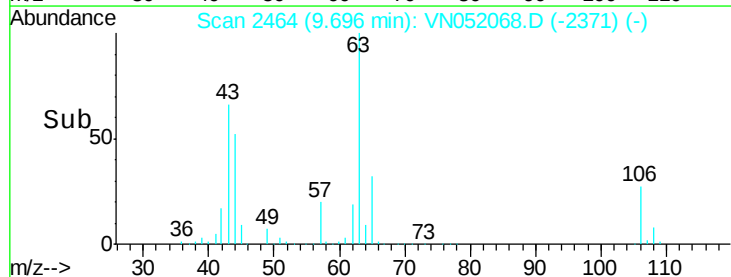
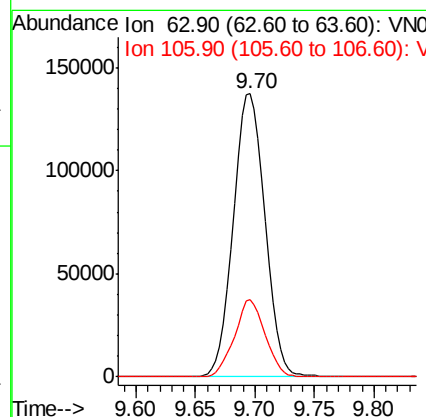
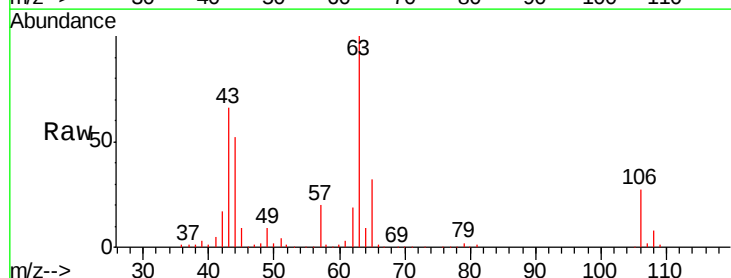
Manual Integrations
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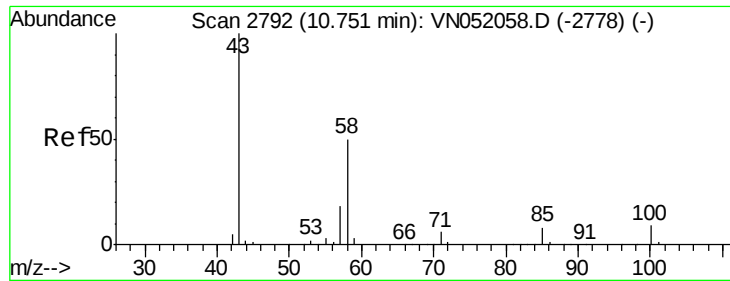
MMDadoda
 11/2/2018 1:11:08 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.82 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 63 Resp: 253989
 Ion Ratio Lower Upper
 63 100
 106 26.4 19.4 29.2





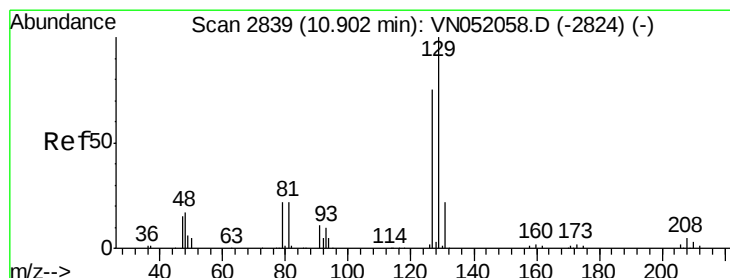
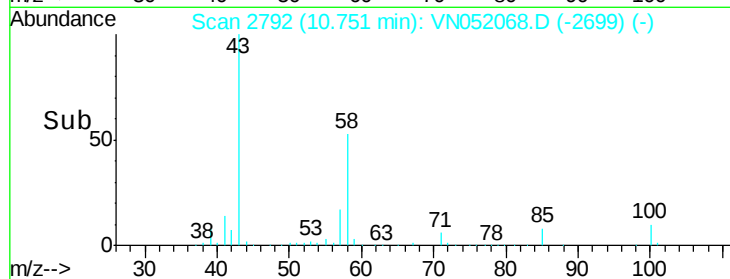
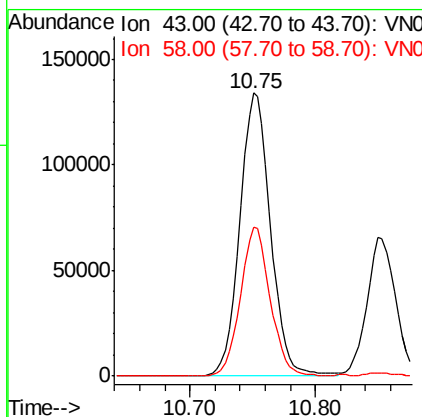
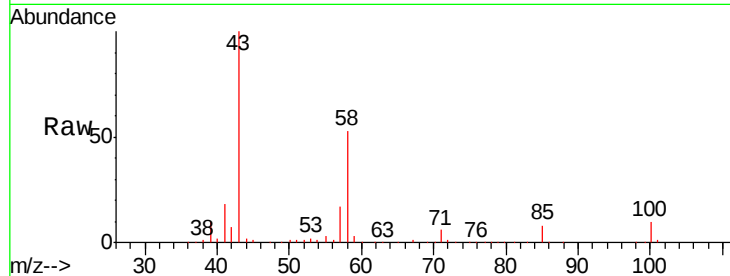
#59
2-Hexanone
Concen: 82.30 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion: 43 Resp: 226797
Ion Ratio Lower Upper
43 100
58 51.2 25.2 75.6

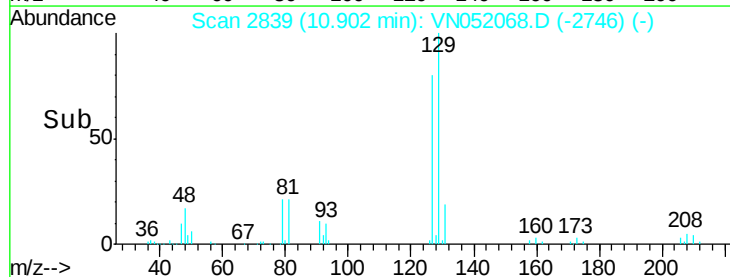
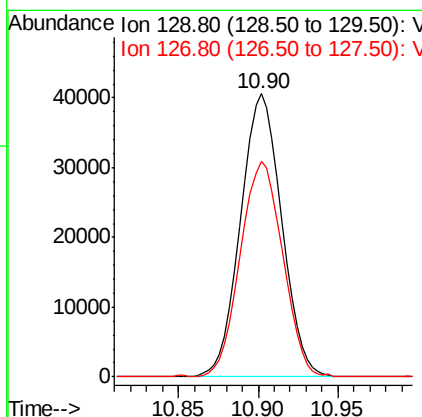
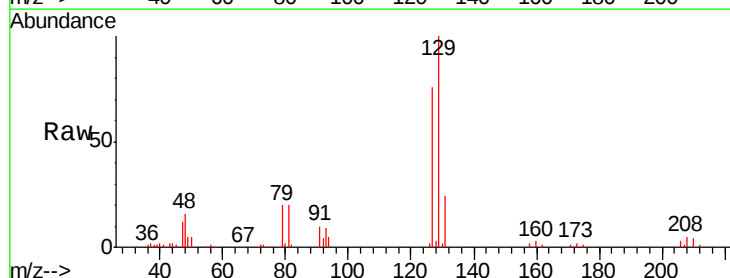
Manual Integrations
APPROVED

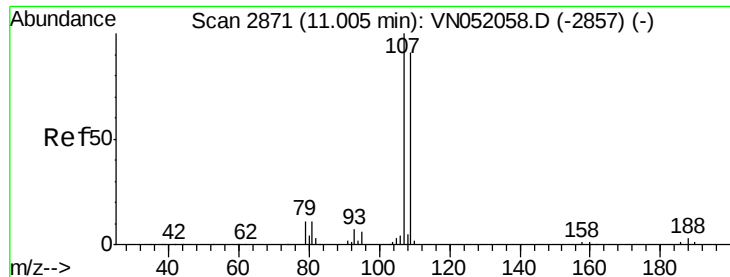
MMDadoda
11/2/2018 1:11:08 PM



#60
Dibromochloromethane
Concen: 19.45 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 129 Resp: 71174
Ion Ratio Lower Upper
129 100
127 78.5 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.62 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 107 Resp: 68809

Ion Ratio Lower Upper

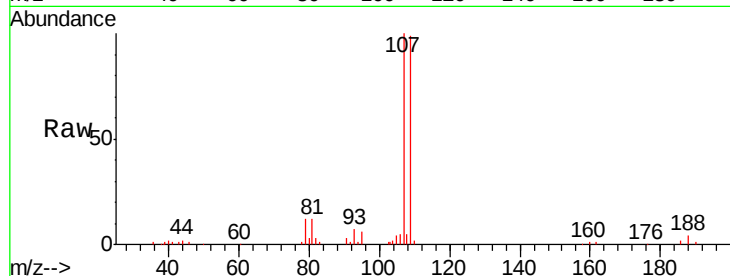
107 100

109 95.0 75.1 112.7

Manual Integrations
APPROVED

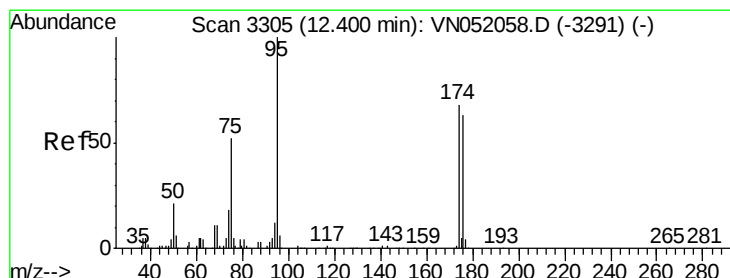
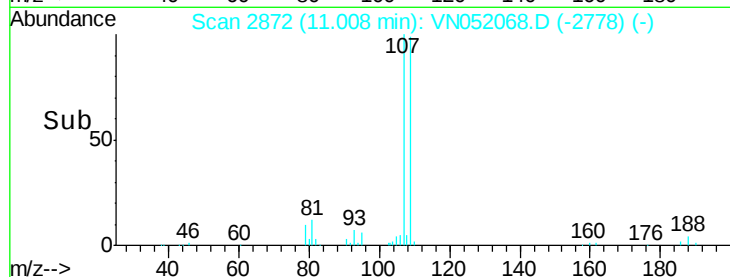
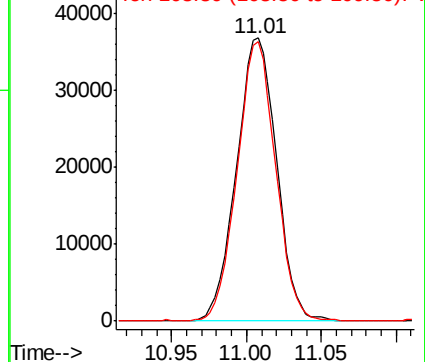
MMDadoda

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 18.62 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

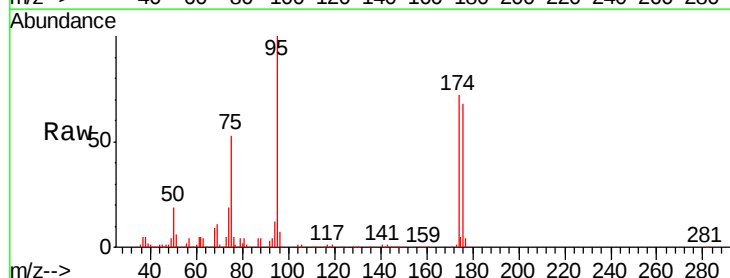
Tgt Ion: 95 Resp: 227764

Ion Ratio Lower Upper

95 100

174 72.2 0.0 131.8

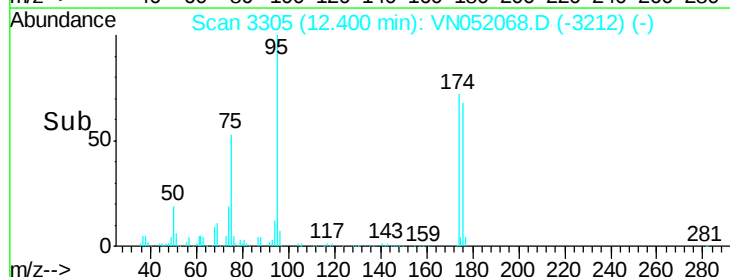
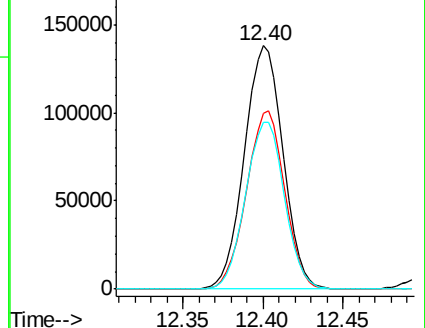
176 69.1 0.0 126.0

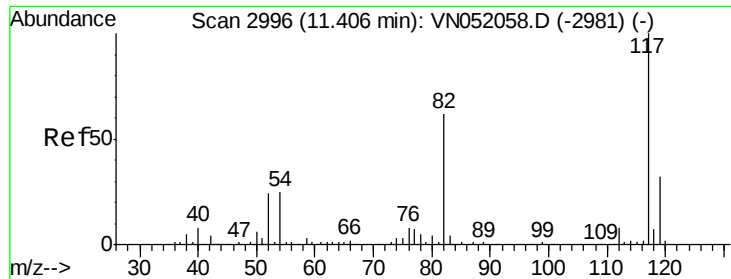


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





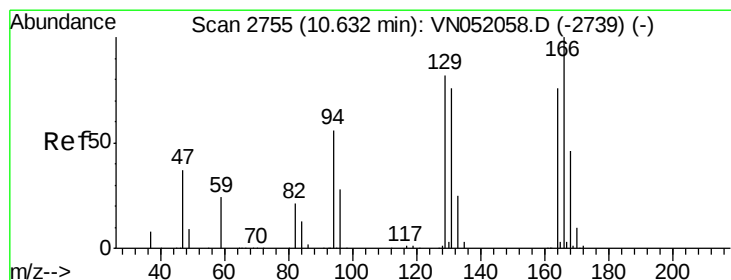
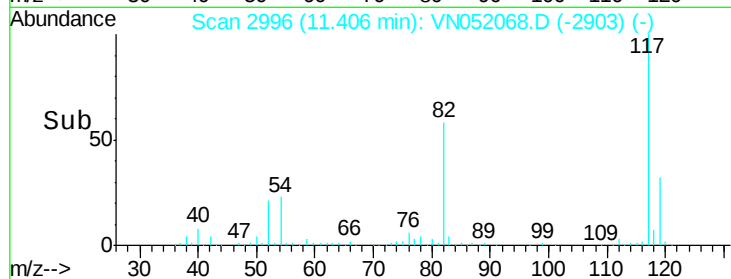
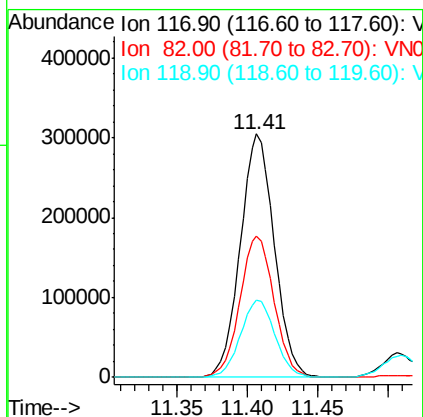
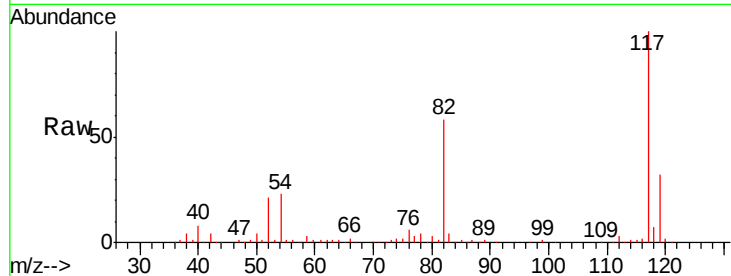
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.0	49.9	74.9
119	31.6	25.7	38.5

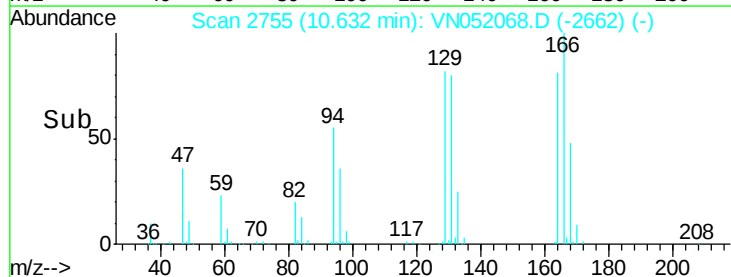
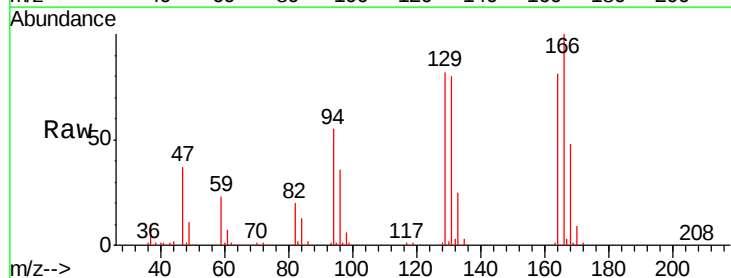
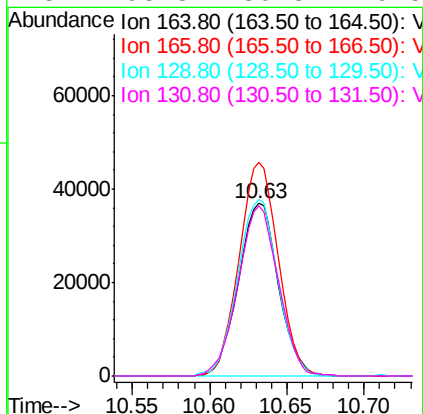
Manual Integrations
APPROVED

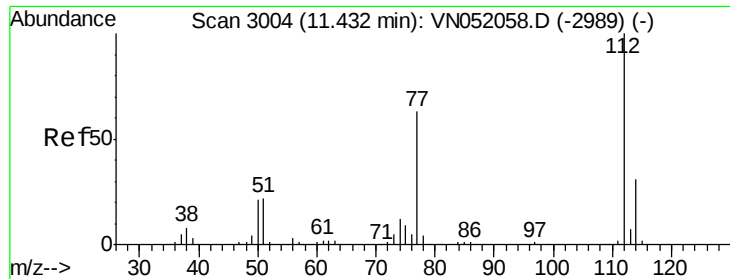
MMDadoda
11/2/2018 1:11:08 PM



#64
Tetrachloroethene
Concen: 21.23 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.9	105.4	158.0
129	102.1	86.1	129.1
131	98.8	80.3	120.5





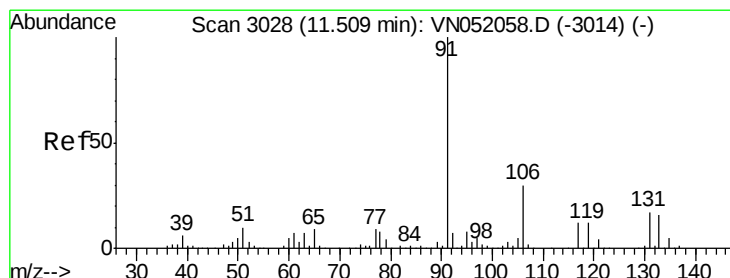
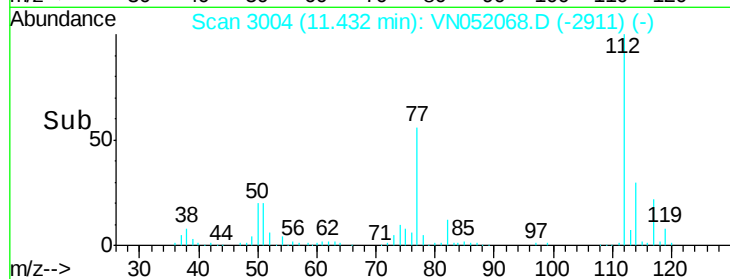
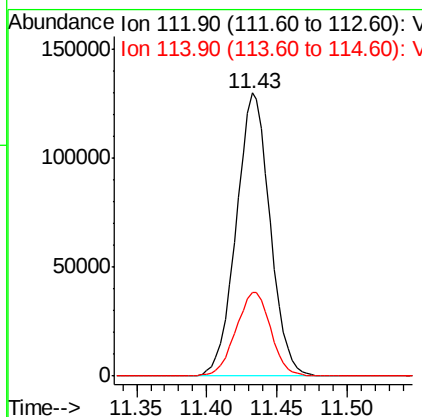
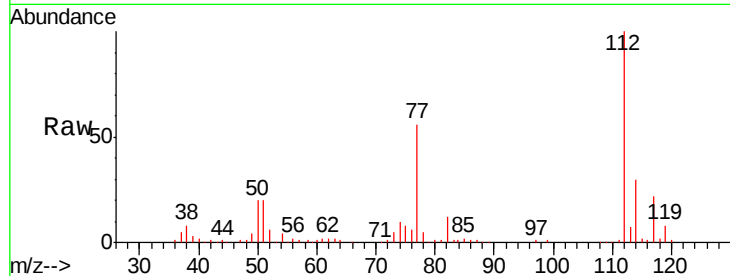
#65
Chlorobenzene
Concen: 20.07 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampled :
VN1031WBS01

Tgt Ion:112 Resp: 218031
Ion Ratio Lower Upper
112 100
114 29.7 25.1 37.7

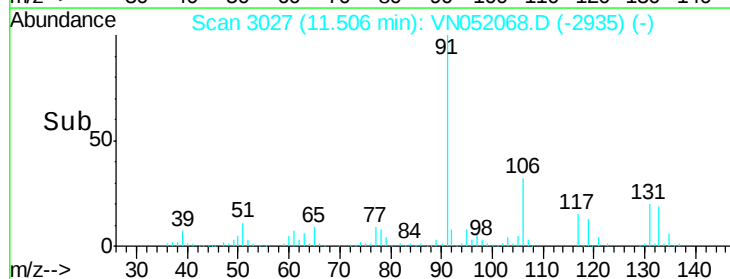
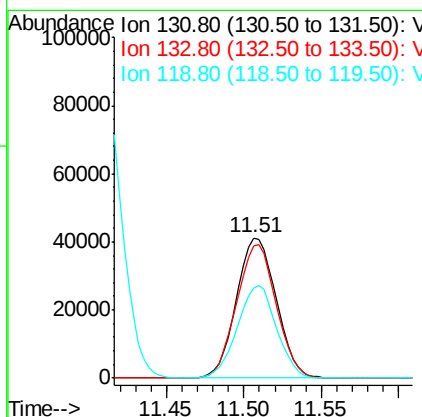
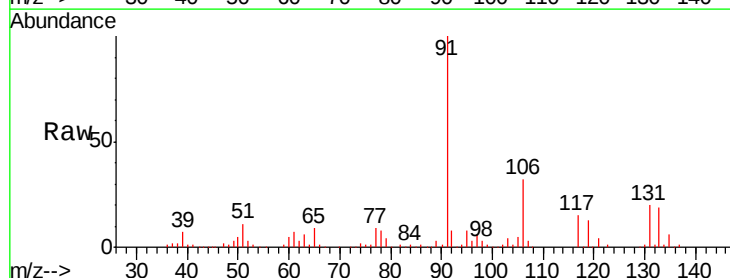
Manual Integrations
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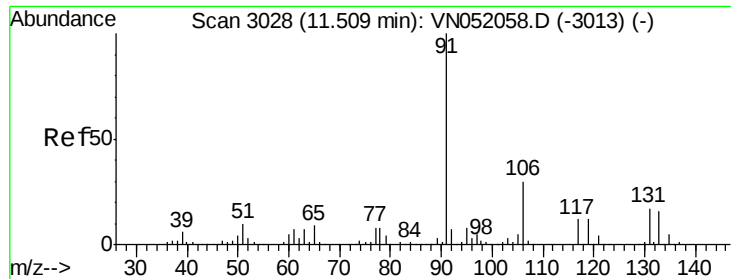
MMDadoda
11/2/2018 1:11:08 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.62 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion:131 Resp: 73752
Ion Ratio Lower Upper
131 100
133 94.7 47.6 142.9
119 64.7 34.4 103.2





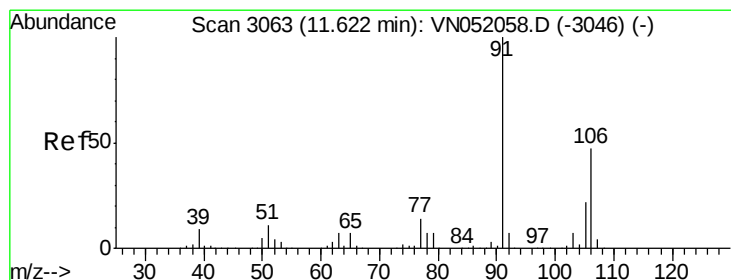
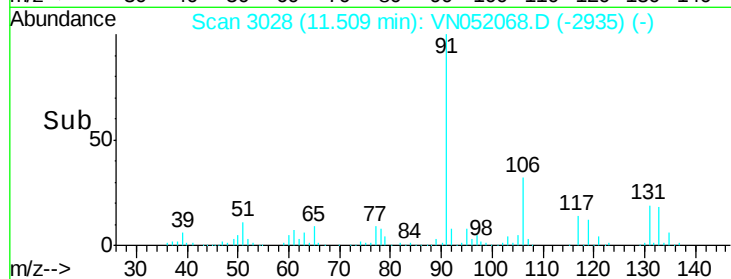
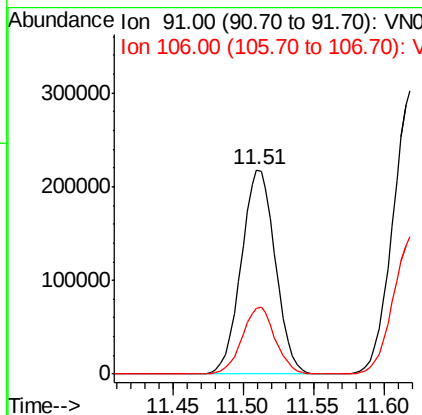
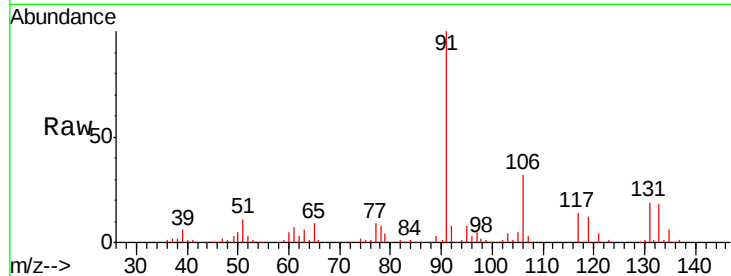
#67
Ethyl Benzene
Concen: 19.00 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampled :
VN1031WBS01

Tgt Ion: 91 Resp: 368132
Ion Ratio Lower Upper
91 100
106 32.5 24.1 36.1

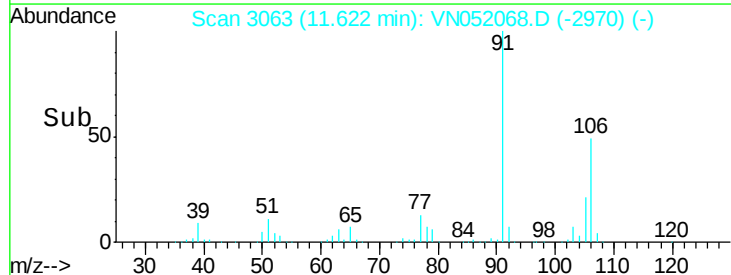
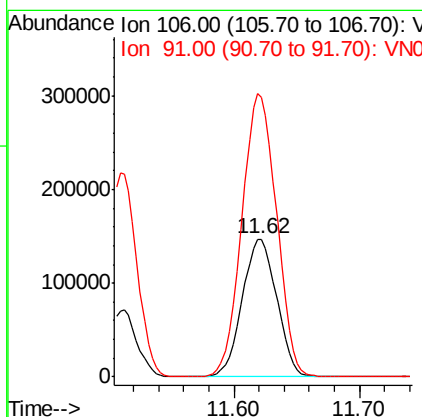
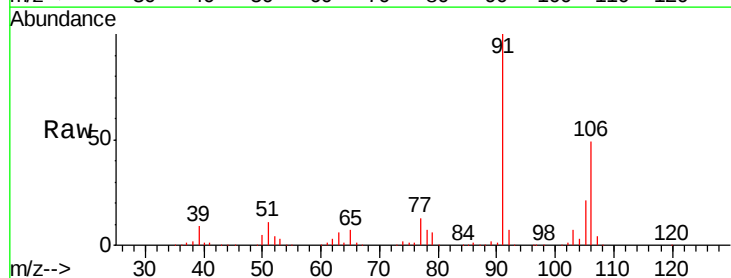
Manual Integrations
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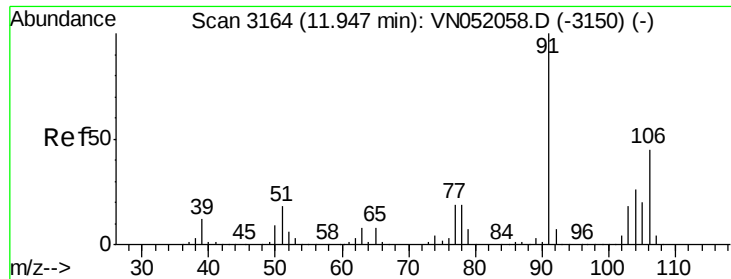
MMDadoda
11/2/2018 1:11:08 PM



#68
m/p-Xylenes
Concen: 40.64 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion: 106 Resp: 281757
Ion Ratio Lower Upper
106 100
91 205.8 168.7 253.1





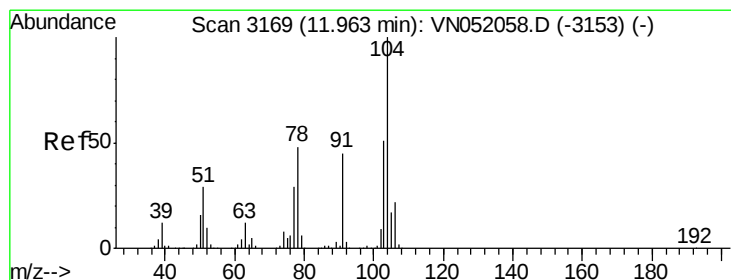
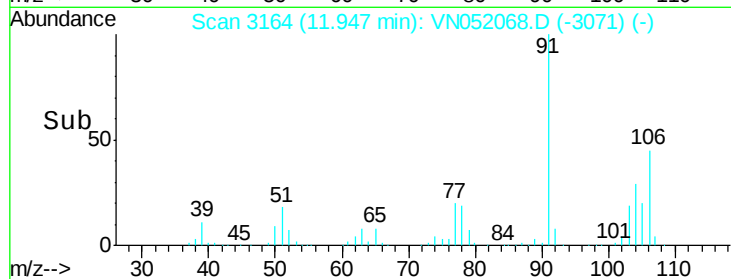
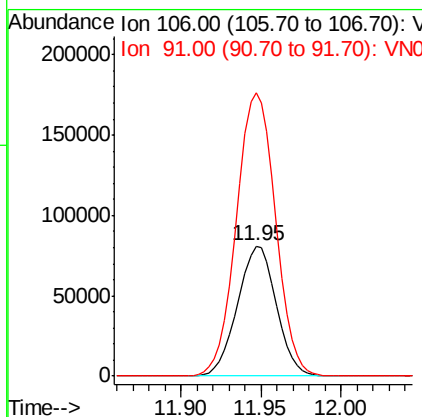
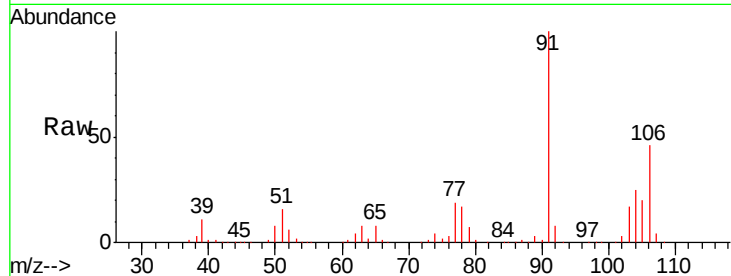
#69
o-Xylene
Concen: 19.48 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion:106 Resp: 133658
Ion Ratio Lower Upper
106 100
91 219.7 109.6 328.6

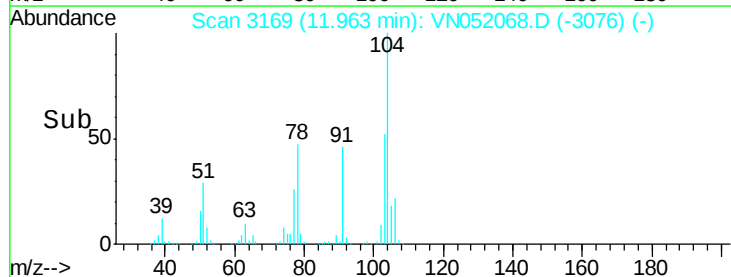
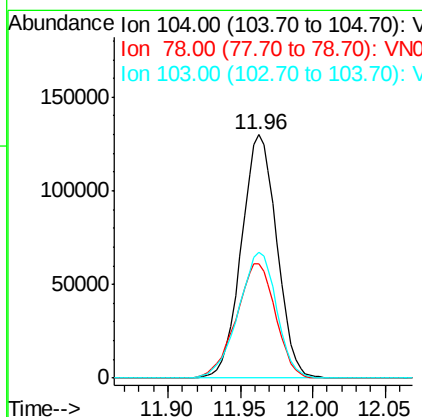
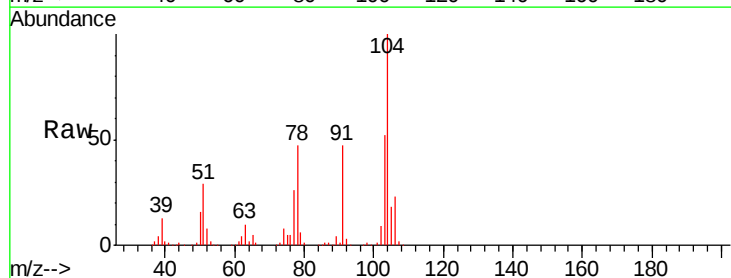
Manual Integrations
APPROVED

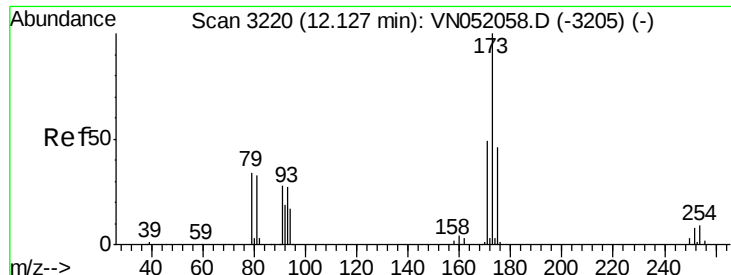
MMDadoda
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#70
Styrene
Concen: 19.88 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion:104 Resp: 220746
Ion Ratio Lower Upper
104 100
78 52.0 43.0 64.6
103 55.8 45.1 67.7





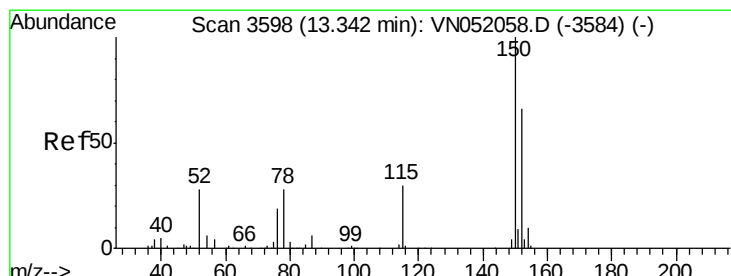
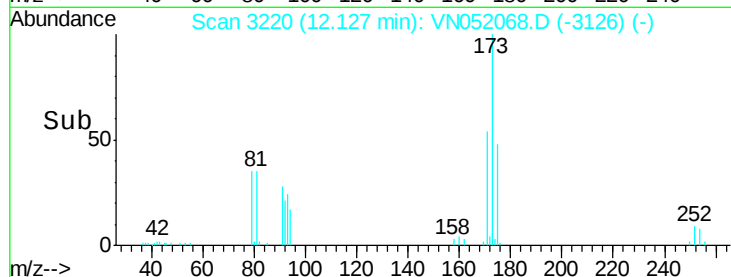
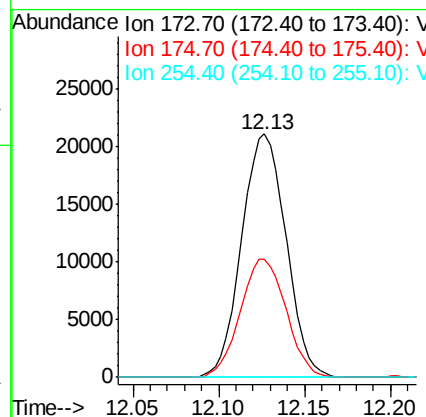
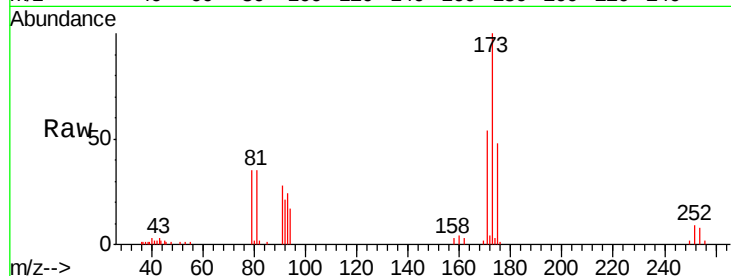
#71
Bromoform
Concen: 18.70 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.9	23.9	71.7
254	0.0	0.0	0.0

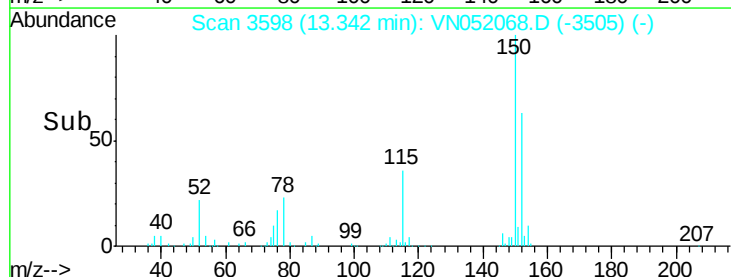
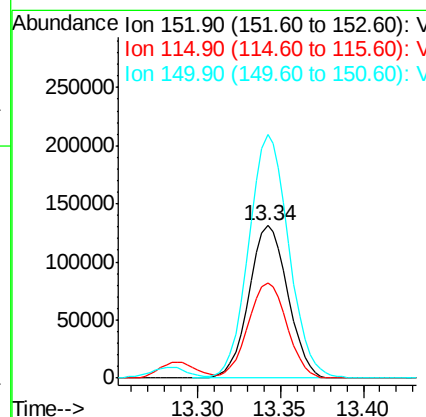
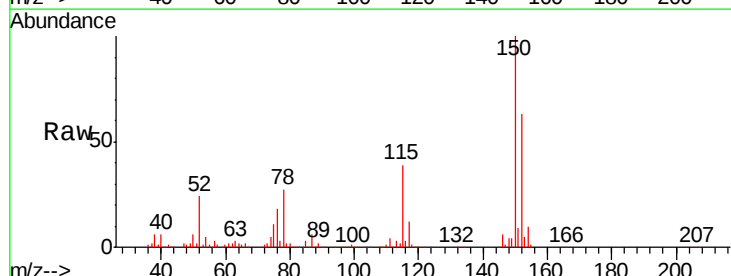
Manual Integrations
APPROVED

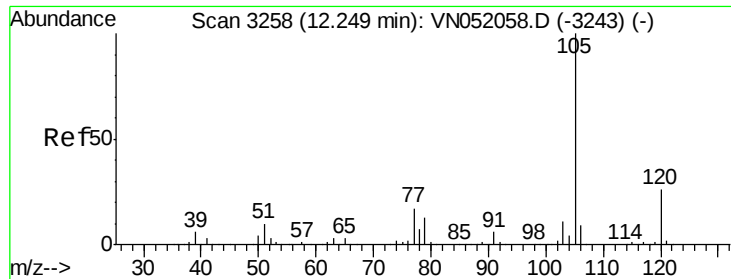
MMDadoda
11/2/2018 1:11:08 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.7	31.6	95.0
150	164.3	0.0	345.0





#73

Isopropylbenzene

Concen: 19.64 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampled :

VN1031WBS01

Tgt Ion: 105 Resp: 358823

Ion Ratio Lower Upper

105 100

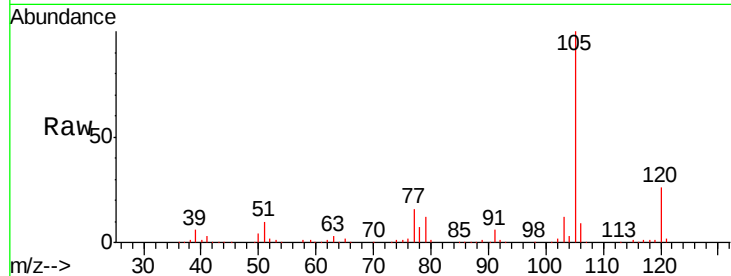
120 26.5 12.8 38.4

Manual Integrations

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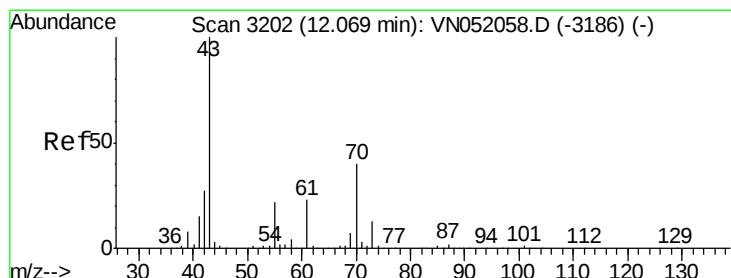
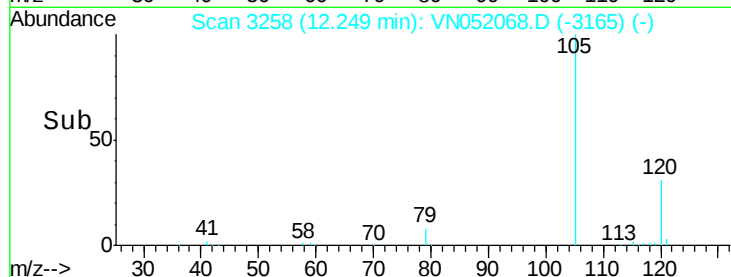
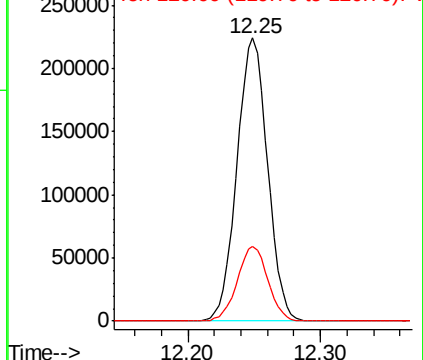
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 16.42 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion: 43 Resp: 104652

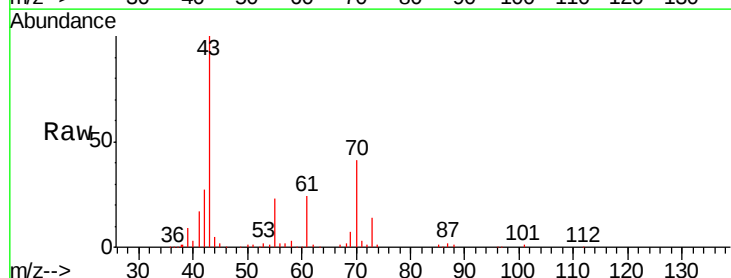
Ion Ratio Lower Upper

43 100

70 39.3 31.9 47.9

55 24.0 18.4 27.6

61 23.5 18.2 27.4

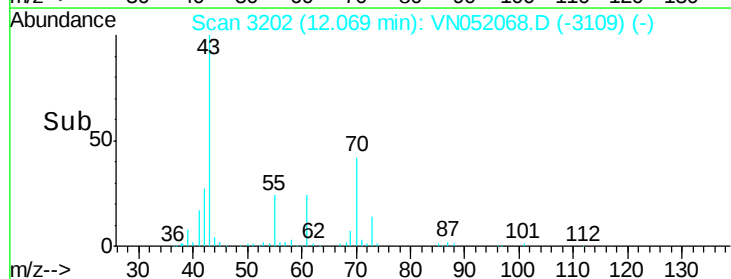
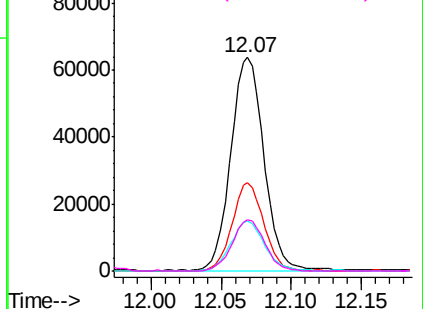


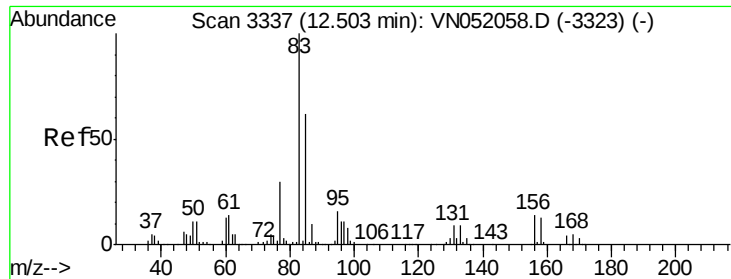
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 18.96 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

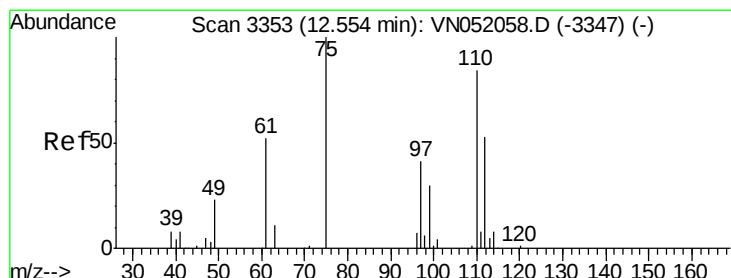
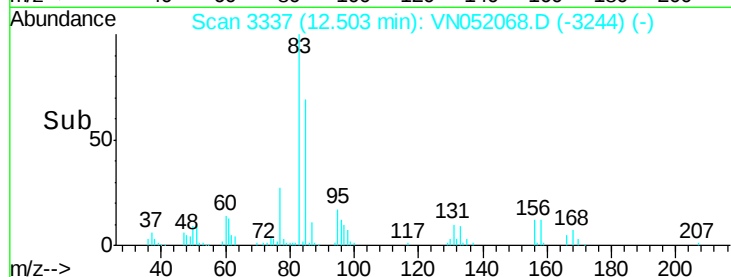
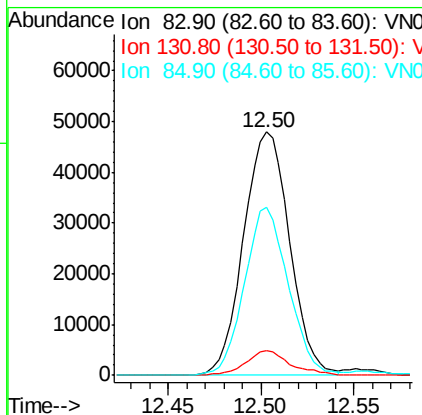
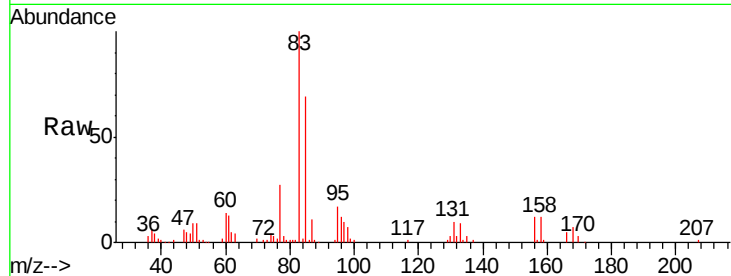
ClientSampleId :

VN1031WBS01

Tgt Ion:	83	Resp:	83049
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.5	13.4
85	65.8	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.01 ug/l m

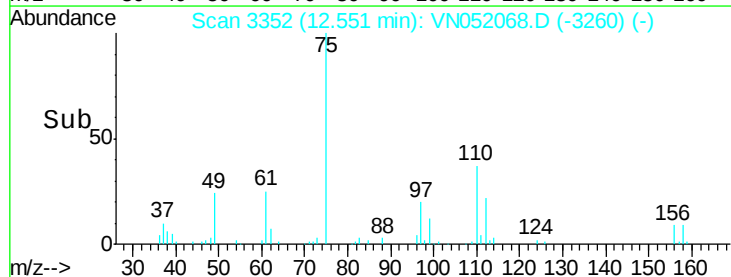
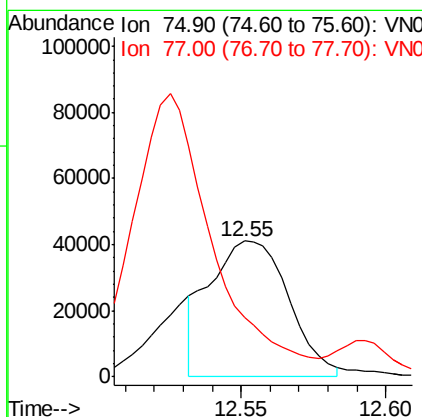
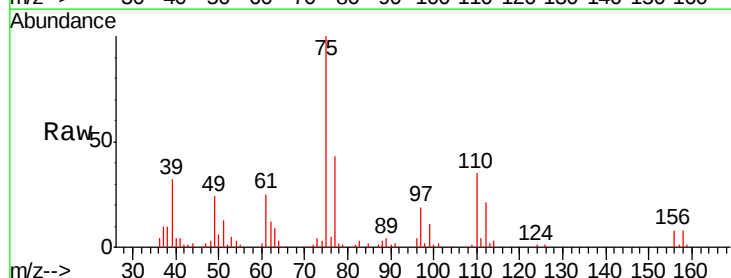
RT: 12.55 min Scan# 3352

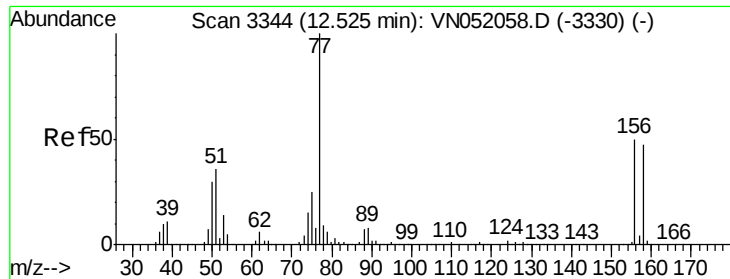
Delta R.T. -0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion:	75	Resp:	78230
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.19 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

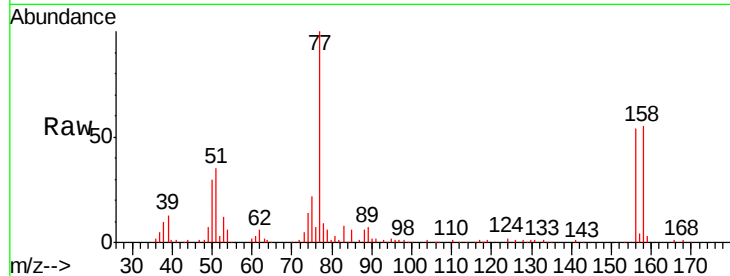
ClientSampled :

VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	214.7	119.6	358.6
158	99.7	47.8	143.4

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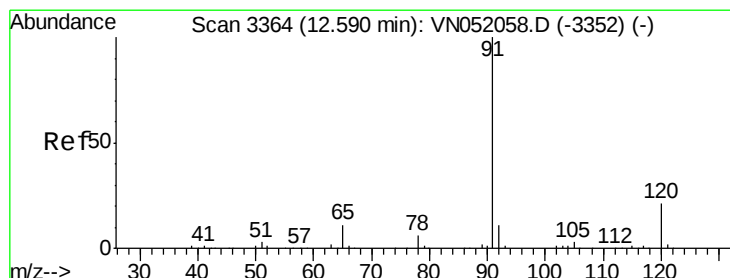
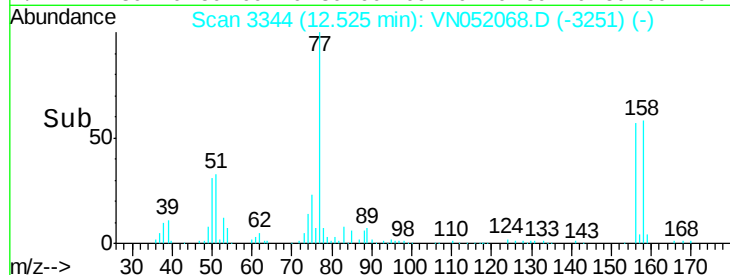
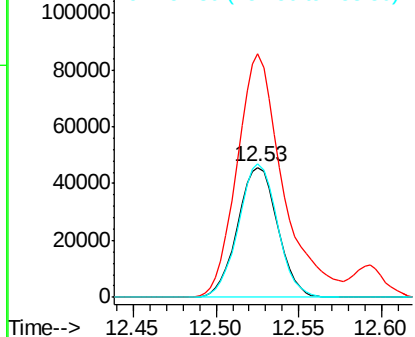
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.69 ug/l

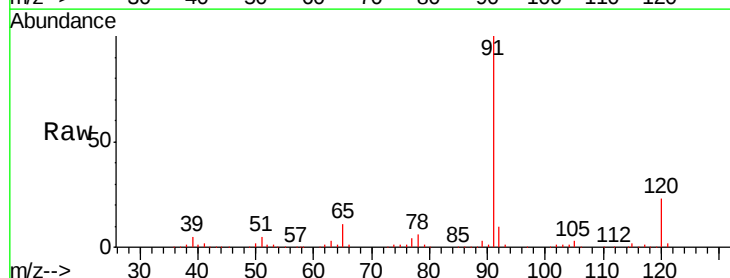
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN052068.D

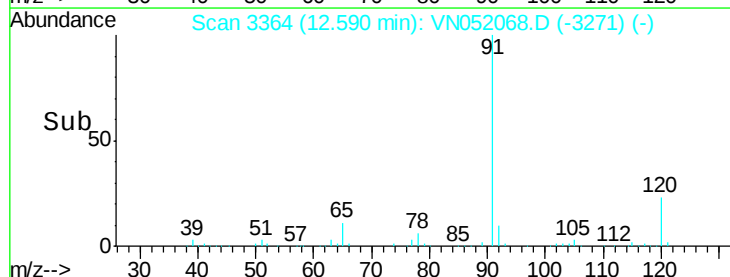
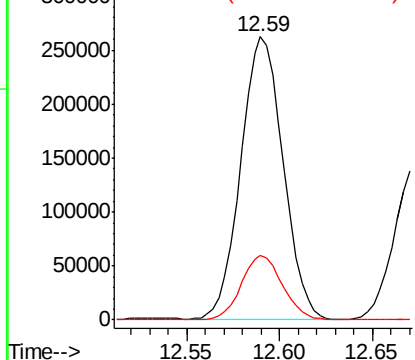
Acq: 31 Oct 2018 12:44

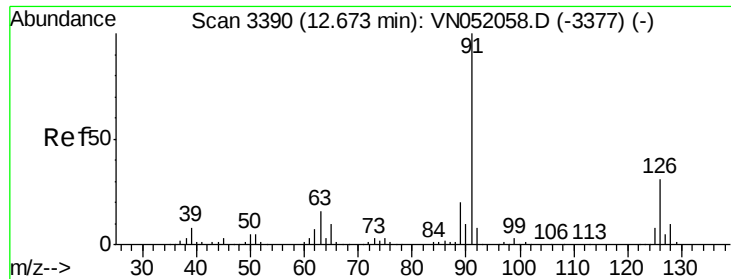
Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.3	10.8	32.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





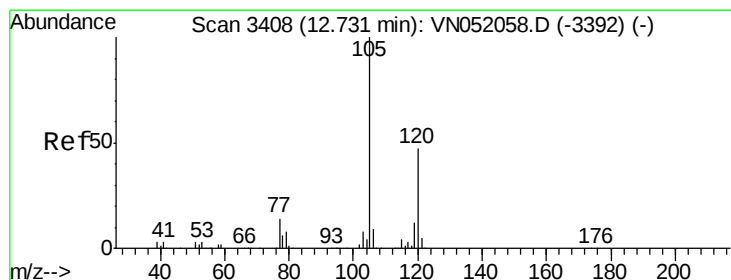
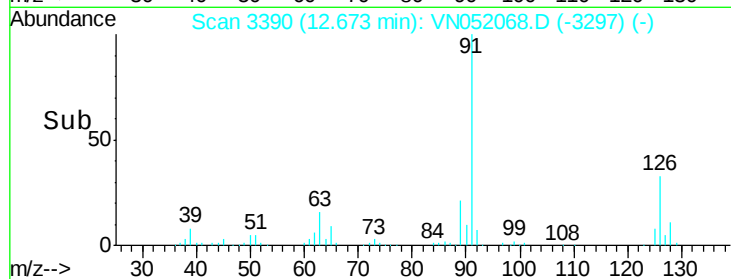
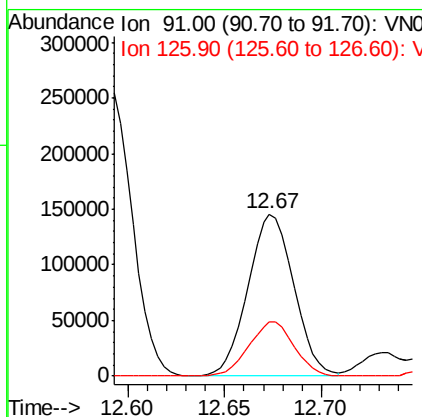
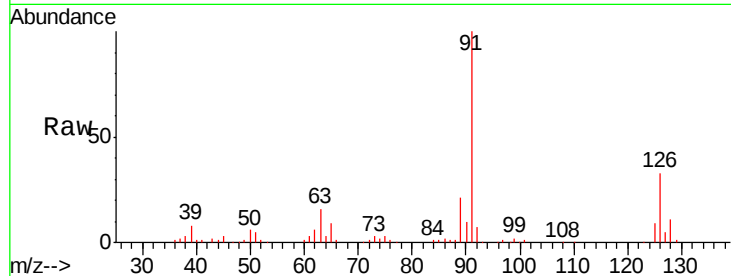
#79
 2-Chlorotoluene
 Concen: 18.55 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion: 91 Resp: 239298
 Ion Ratio Lower Upper
 91 100
 126 33.2 15.9 47.6

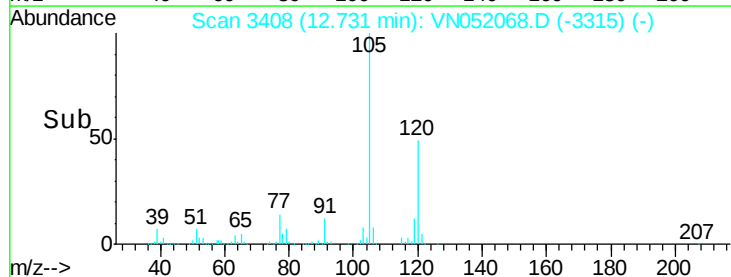
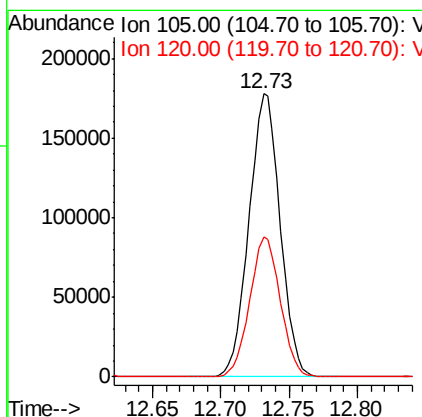
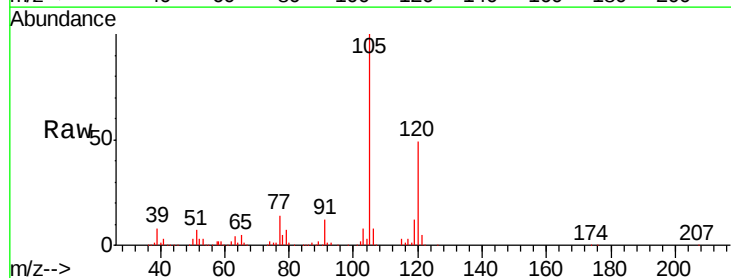
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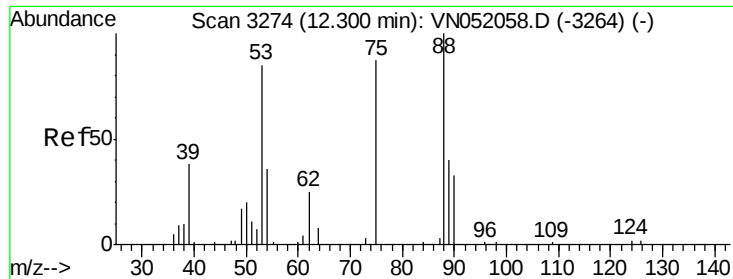
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#80
 1,3,5-Trimethylbenzene
 Concen: 18.93 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion: 105 Resp: 281410
 Ion Ratio Lower Upper
 105 100
 120 48.8 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 16.28 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

ClientSampleId :

VN1031WBS01

Tgt Ion: 75 Resp: 19182
Ion Ratio Lower Upper

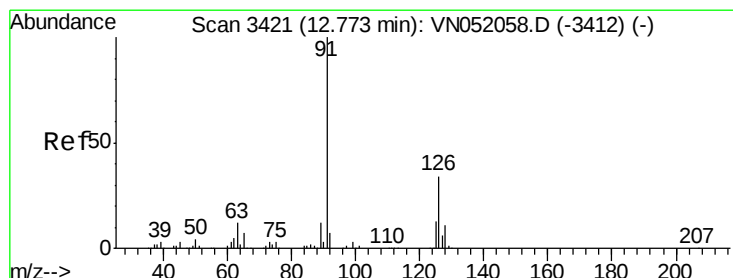
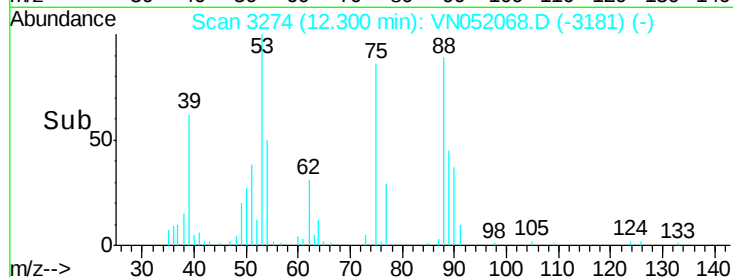
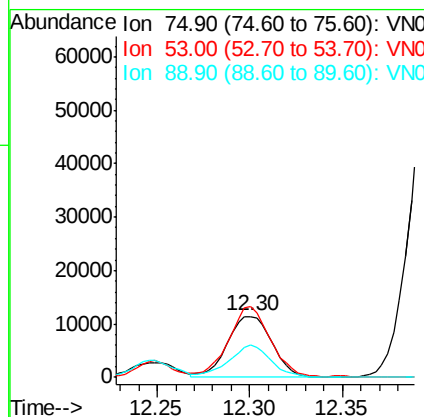
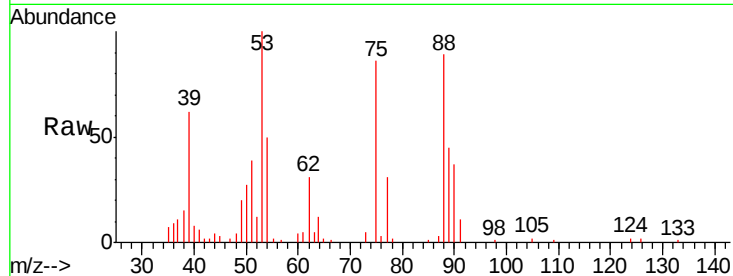
75 100

53 108.8 81.8 122.6

89 49.1 36.6 54.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 18.71 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

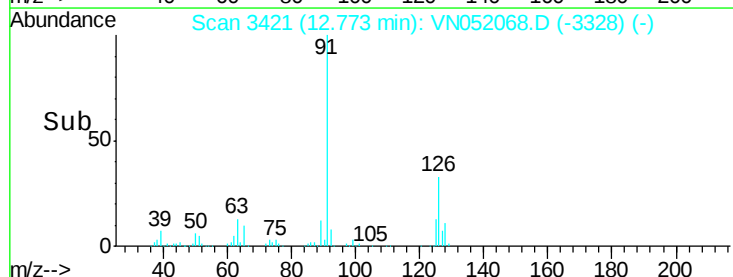
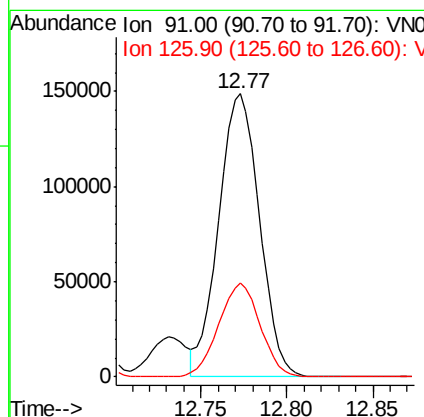
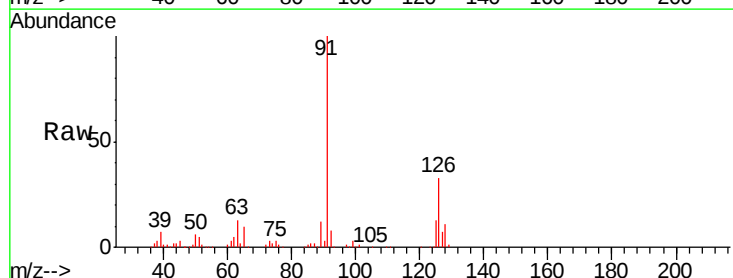
Lab File: VN052068.D

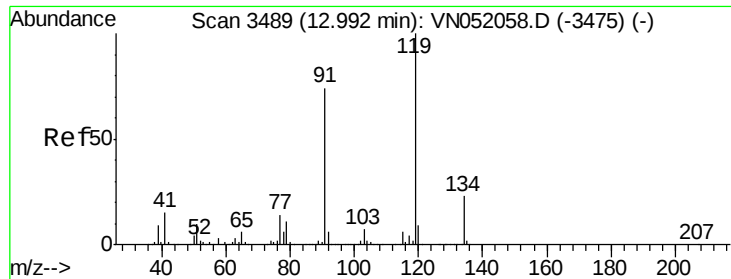
Acq: 31 Oct 2018 12:44

Tgt Ion: 91 Resp: 246191
Ion Ratio Lower Upper

91 100

126 33.7 15.7 47.1





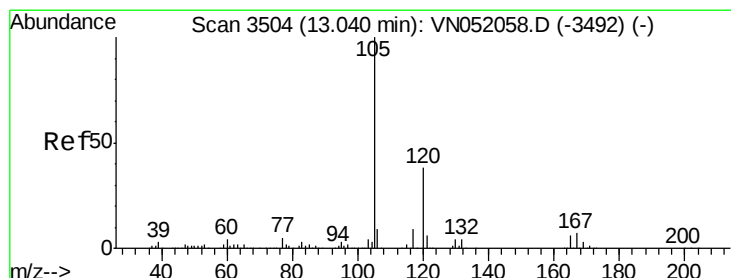
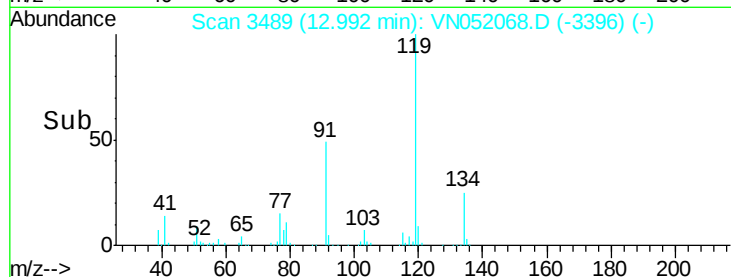
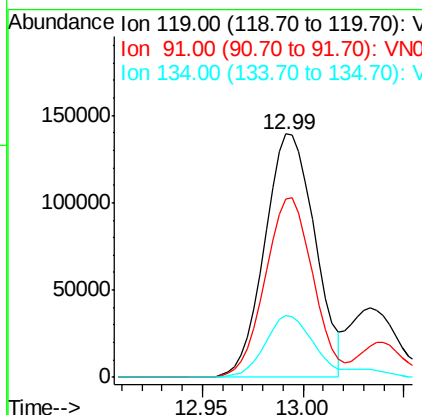
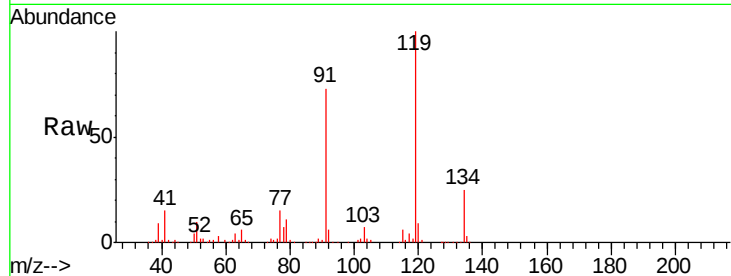
#83
 tert-Butylbenzene
 Concen: 19.25 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	70.5	36.6	109.9
134	24.5	12.5	37.5

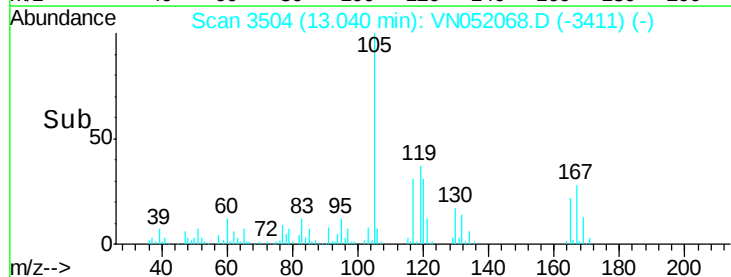
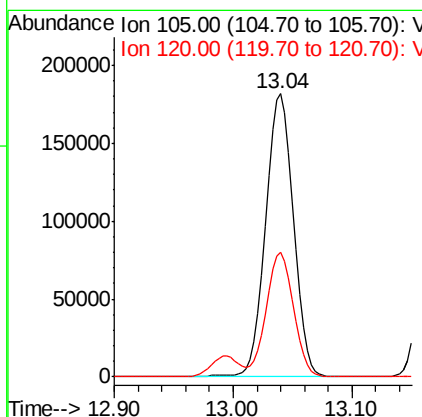
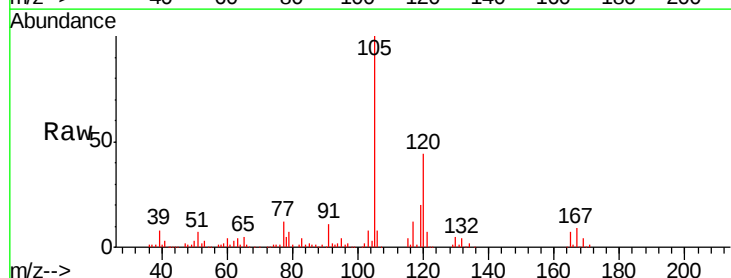
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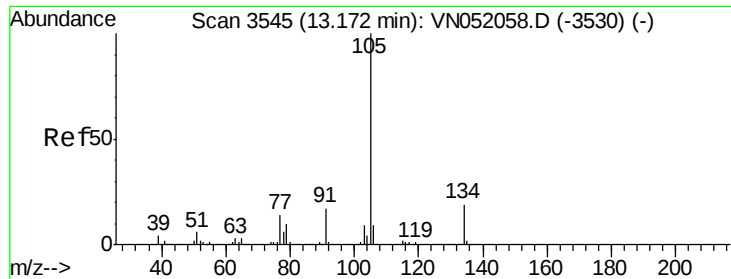
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.91 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.2	21.9	65.5





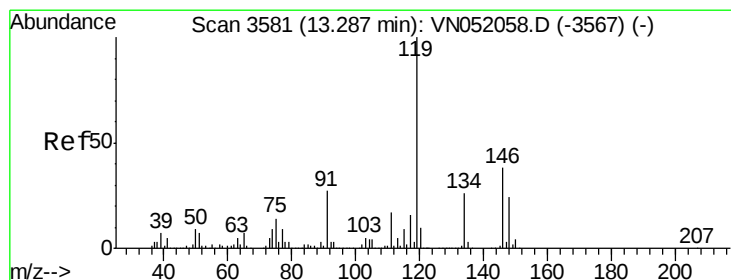
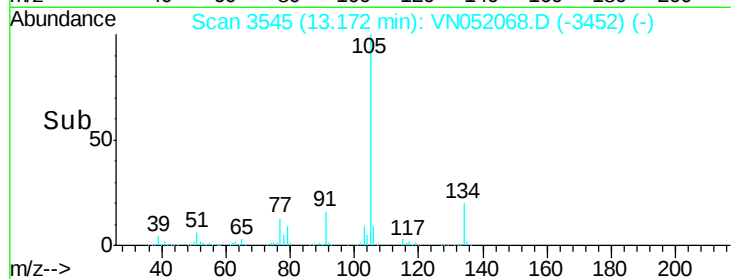
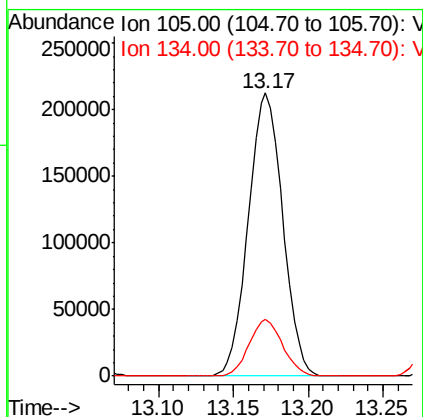
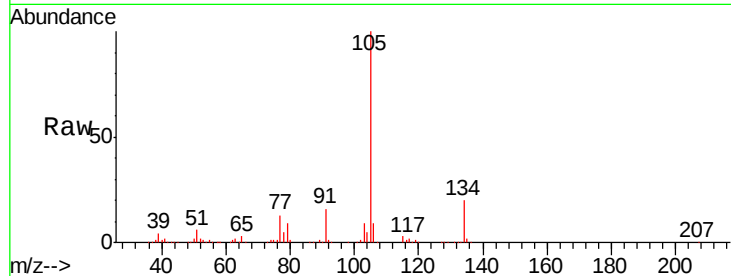
#85
 sec-Butylbenzene
 Concen: 19.06 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	339909		
134	19.5	9.1	27.3	

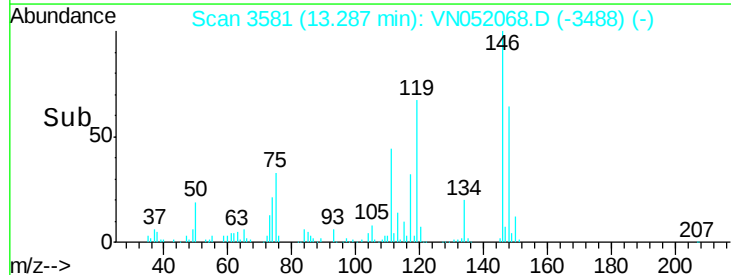
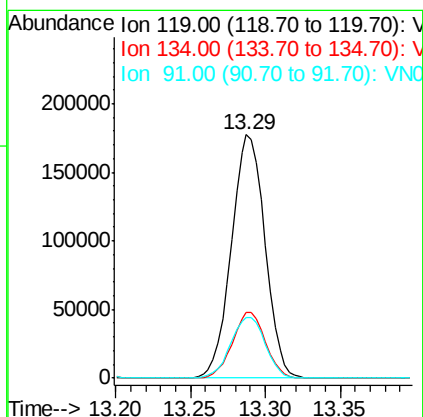
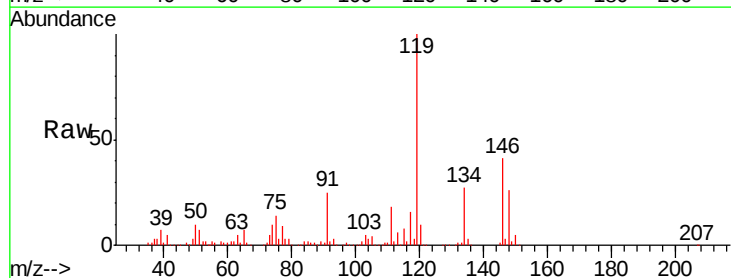
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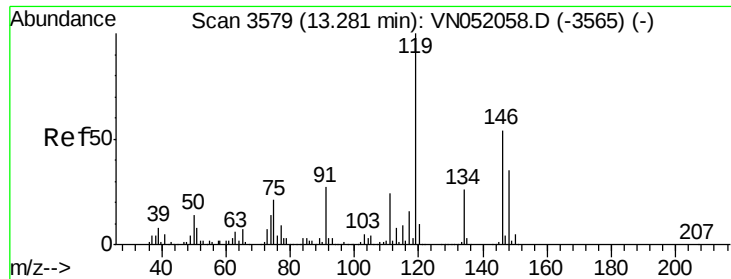
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#86
 p-Isopropyltoluene
 Concen: 19.09 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	277290		
134	26.6	12.8	38.3	
91	25.8	13.4	40.2	





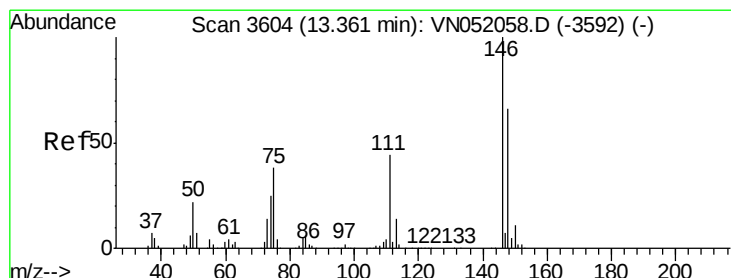
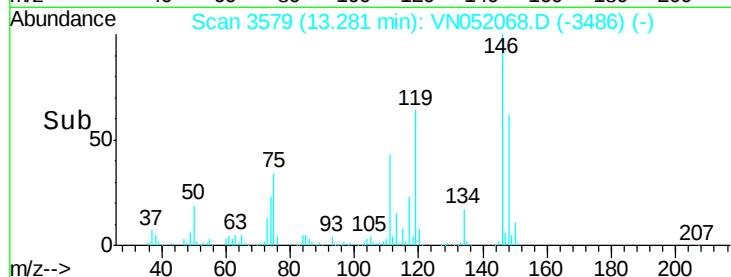
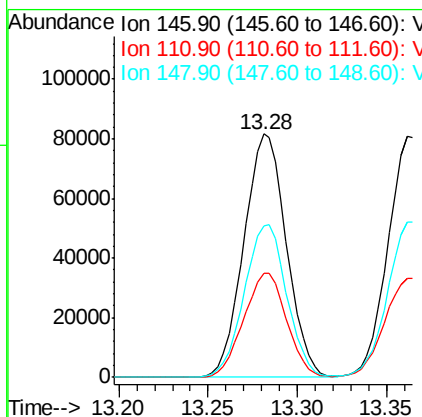
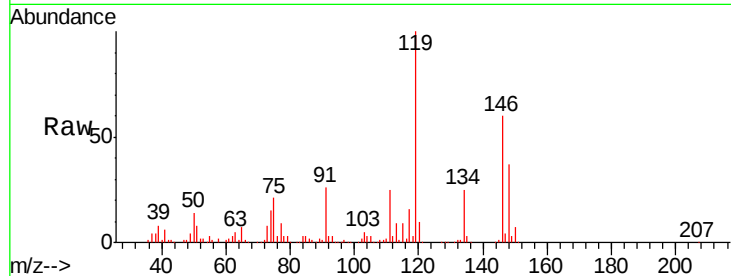
#87
 1,3-Dichlorobenzene
 Concen: 19.51 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.0	22.9	68.8
148	62.6	31.8	95.4

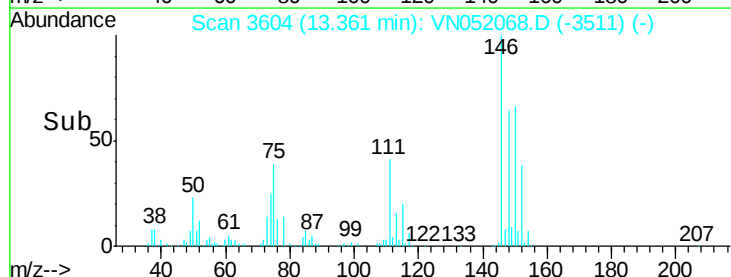
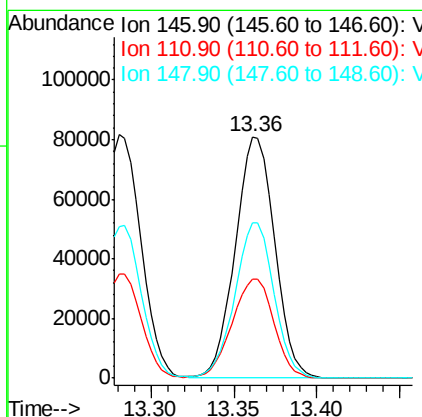
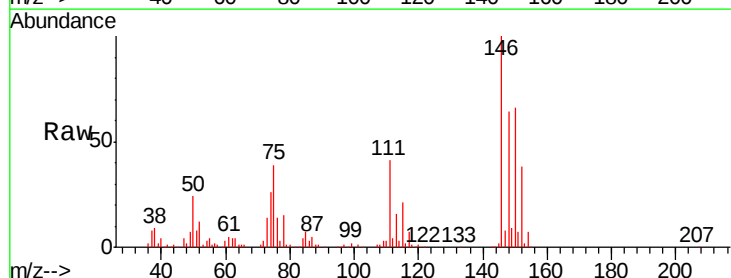
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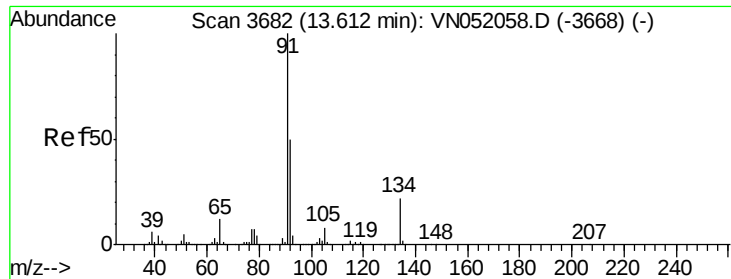
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#88
 1,4-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.9	65.8
148	63.8	32.6	98.0





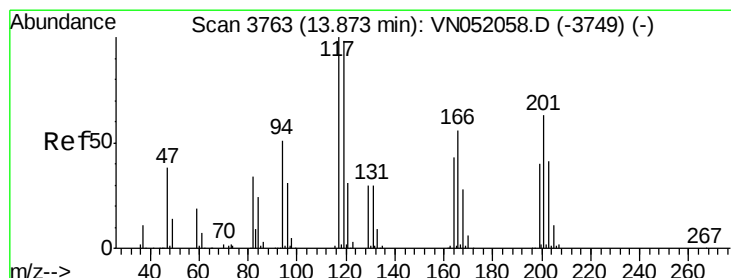
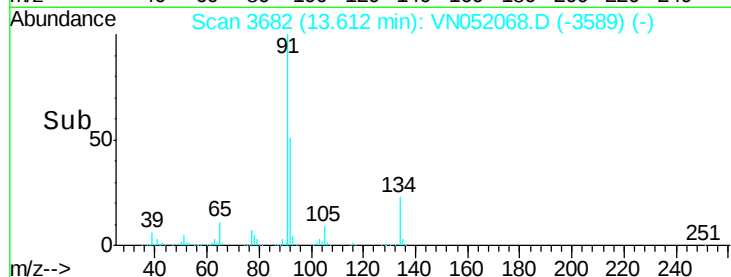
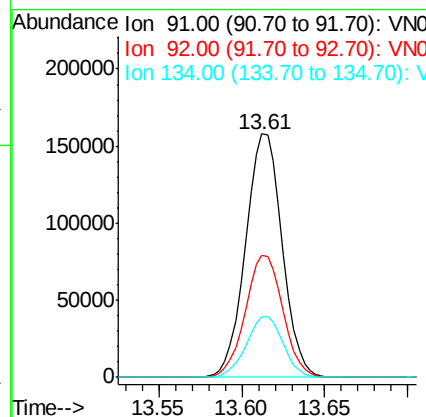
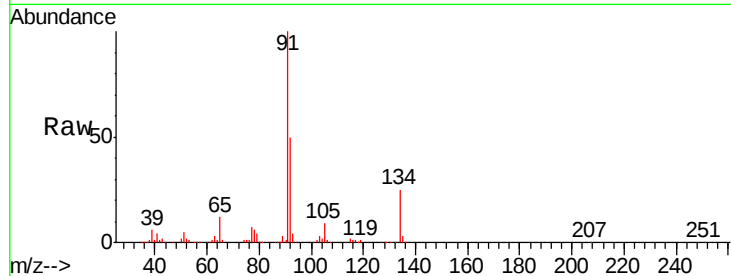
#89
n-Butylbenzene
Concen: 17.48 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Instrument :
MSVOA_N
ClientSampleId :
VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	51.2	25.3	75.8
134	25.0	11.2	33.5

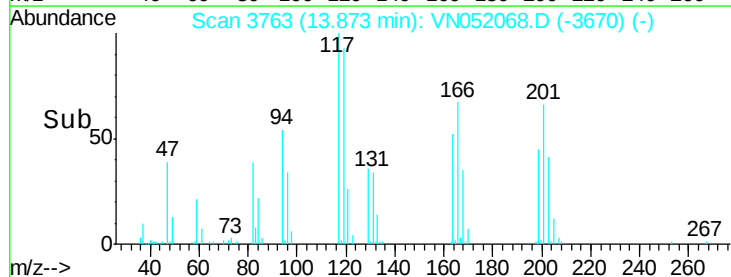
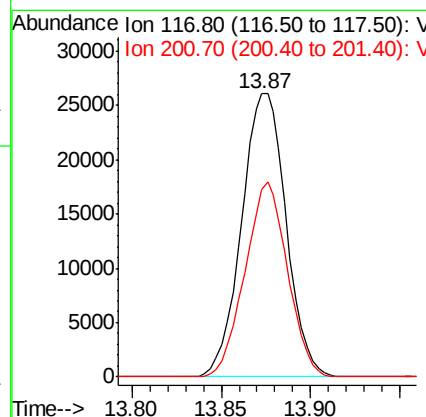
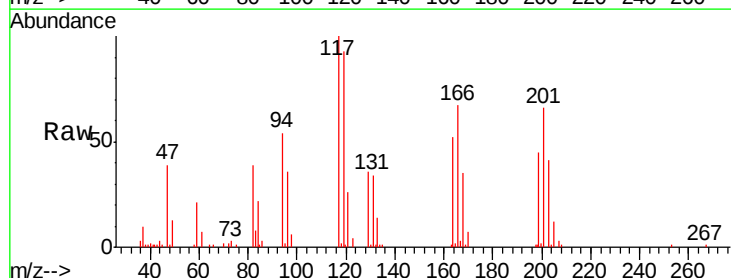
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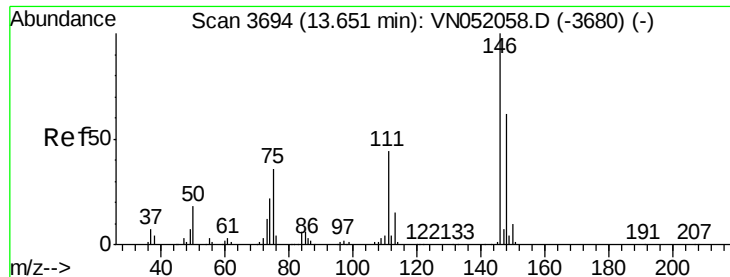
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#90
Hexachloroethane
Concen: 18.24 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN052068.D
Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
201	65.6	31.1	93.5





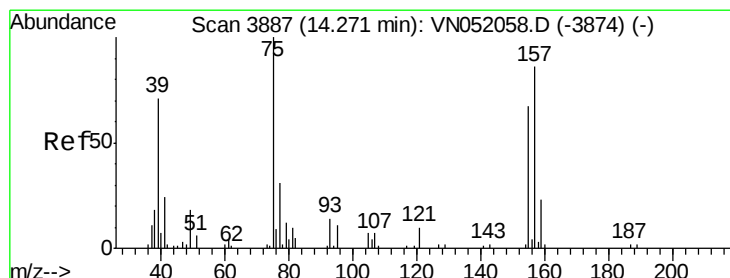
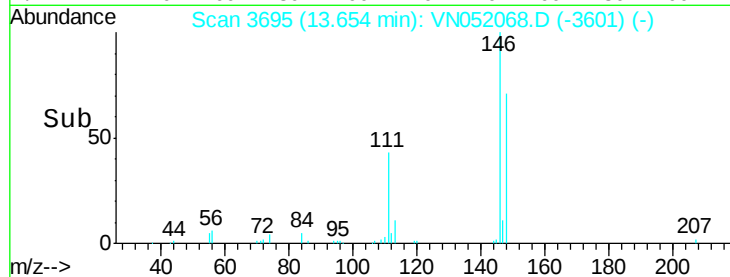
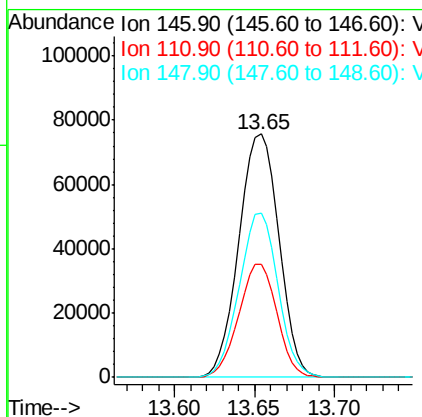
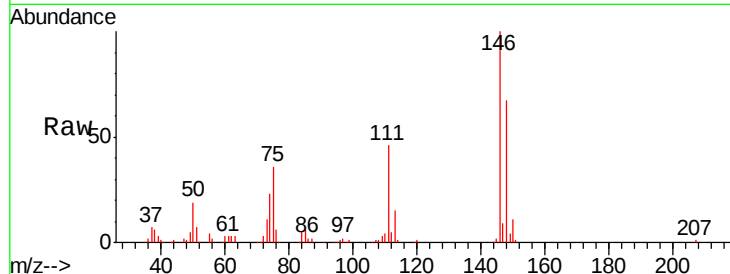
#91
 1,2-Dichlorobenzene
 Concen: 19.75 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampled :
 VN1031WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.3	22.5	67.5
148	65.0	30.9	92.8

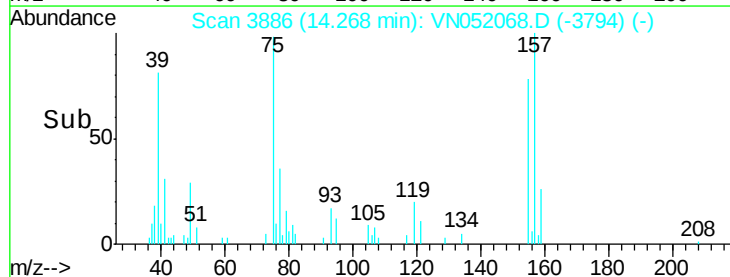
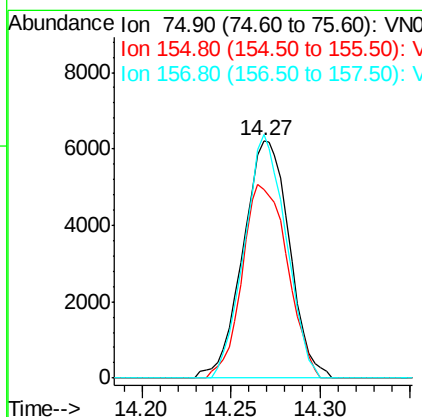
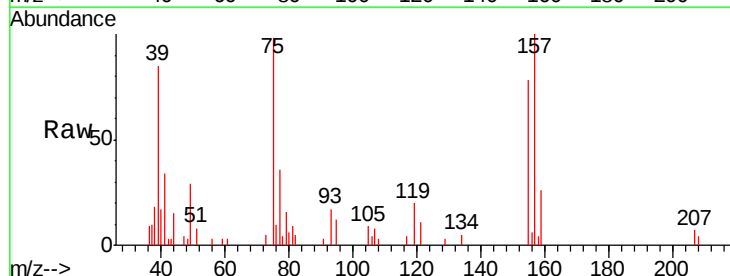
Manual Integrations
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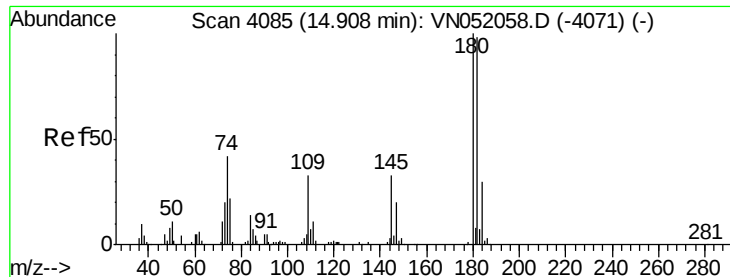
MMDadoda
 11/2/2018 1:11:08 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.45 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	79.8	34.0	102.0
157	92.3	42.1	126.4





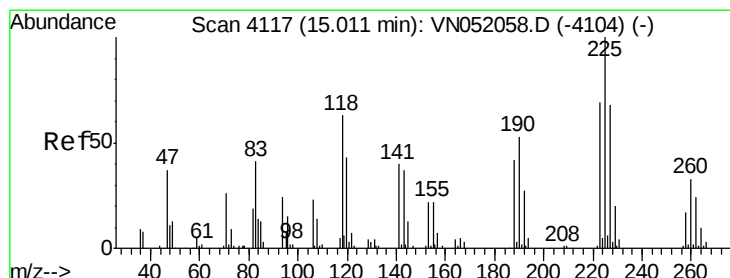
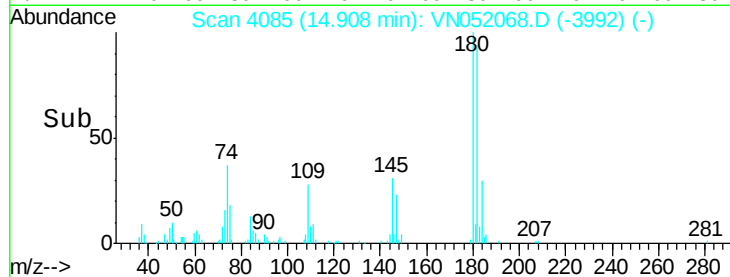
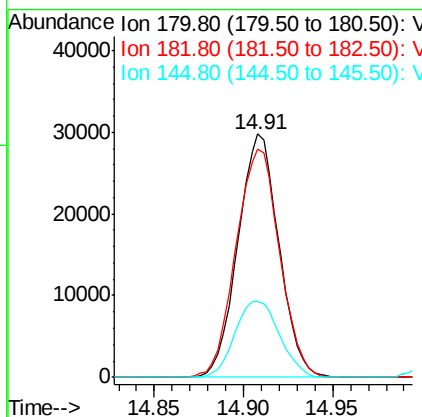
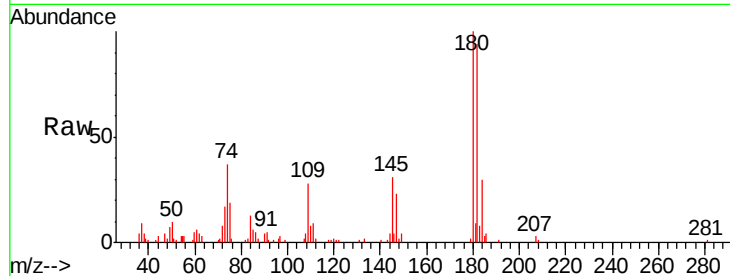
#93
 1,2,4-Trichlorobenzene
 Concen: 19.59 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1031WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	47812		
182	99.7	49.1	147.4	
145	34.1	16.4	49.2	

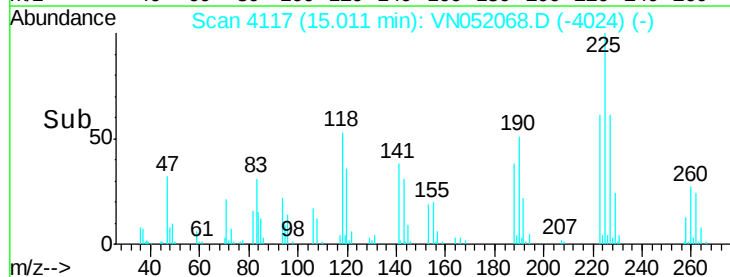
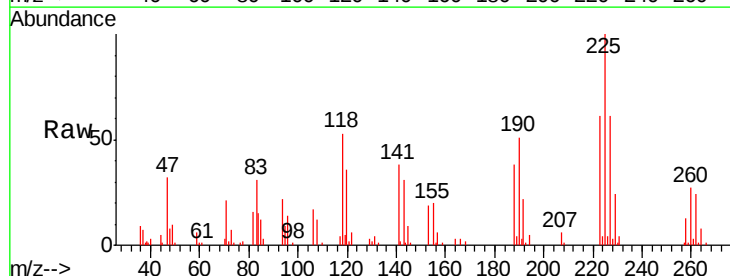
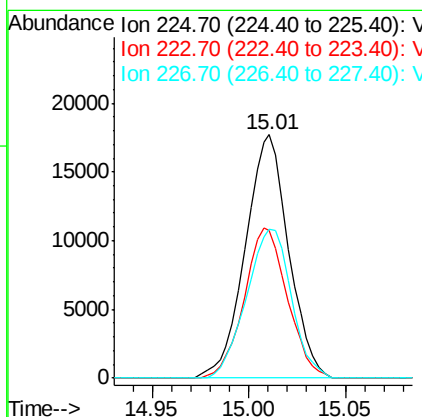
Manual Integrations
 APPROVED

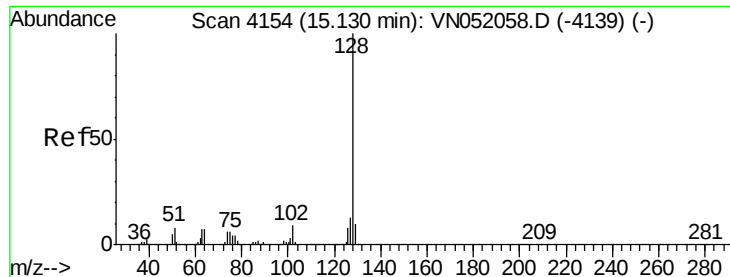
MMDadoda
 11/2/2018 1:11:08 PM



#94
 Hexachlorobutadiene
 Concen: 20.17 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052068.D
 Acq: 31 Oct 2018 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27542		
223	61.5	33.1	99.3	
227	63.4	32.6	97.8	





#95

Naphthalene

Concen: 20.25 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Instrument :

MSVOA_N

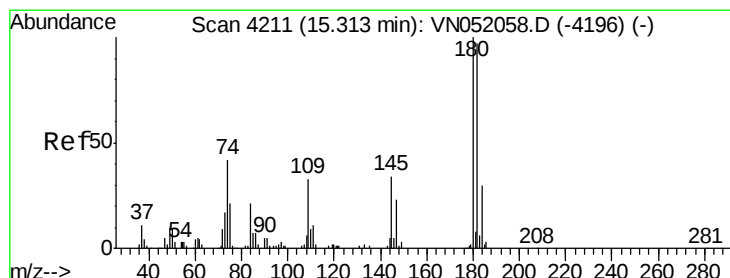
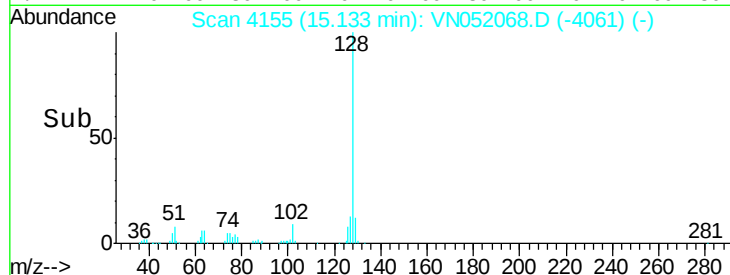
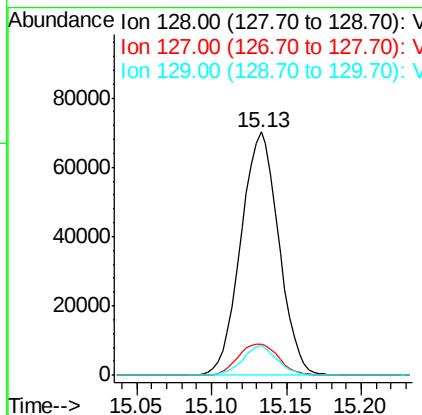
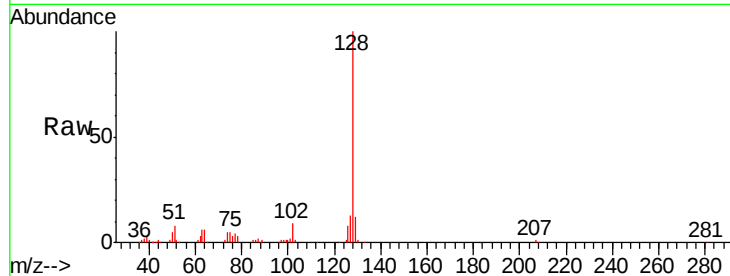
ClientSampleId :

VN1031WBS01

Tgt Ion:	128	Resp:	123930
Ion Ratio	Lower	Upper	
128	100		
127	13.8	10.5	15.7
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
11/2/2018 1:11:08 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.20 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN052068.D

Acq: 31 Oct 2018 12:44

Tgt Ion:	180	Resp:	42538
Ion Ratio	Lower	Upper	
180	100		
182	96.6	47.2	141.6
145	36.2	16.6	49.7

