

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN120418\
 Data File : VN052653.D
 Acq On : 4 Dec 2018 14:40
 Operator : MD\SY
 Sample : VN1204WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Manual Integrations
 APPROVED

MMDadoda
 12/5/2018 9:13:09 AM

Quant Time: Dec 05 03:54:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Mon Dec 03 03:24:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	965120	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1500006	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1319940	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	586204	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.03	65	531661	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
35) Dibromofluoromethane	7.59	113	485206	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	10.09	98	1835372	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	
62) 4-Bromofluorobenzene	12.40	95	615824	50.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.82%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.85	85	155831	17.244 ug/l	97
3) Chloromethane	2.06	50	202167	16.948 ug/l	99
4) Vinyl Chloride	2.19	62	214267	17.486 ug/l	98
5) Bromomethane	2.58	94	126765	16.580 ug/l	99
6) Chloroethane	2.71	64	131889	17.769 ug/l	98
7) Trichlorofluoromethane	3.02	101	278865	18.527 ug/l	98
8) Diethyl Ether	3.41	74	104955	18.882 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.77	101	175335	18.668 ug/l	99
10) Methyl Iodide	3.96	142	251664	20.118 ug/l	99
11) Tert butyl alcohol	4.78	59	46742	88.850 ug/l	99
12) 1,1-Dichloroethene	3.74	96	167989	18.582 ug/l	98
13) Acrolein	3.61	56	55732	60.954 ug/l	100
14) Allyl chloride	4.33	41	284151	18.236 ug/l	98
15) Acrylonitrile	4.99	53	310567	93.259 ug/l	99
16) Acetone	3.82	43	223094	80.490 ug/l	100
17) Carbon Disulfide	4.06	76	462281	16.249 ug/l	99
18) Methyl Acetate	4.33	43	156157	19.641 ug/l	99
19) Methyl tert-butyl Ether	5.05	73	465896	19.369 ug/l	99
20) Methylene Chloride	4.56	84	197598	18.218 ug/l	100
21) trans-1,2-Dichloroethene	5.05	96	179871	18.629 ug/l	94
22) Diisopropyl ether	5.95	45	613656	18.749 ug/l	97
23) Vinyl Acetate	5.90	43	1887404	92.585 ug/l	99
24) 1,1-Dichloroethane	5.85	63	349400	18.697 ug/l	100
25) 2-Butanone	6.84	43	343544	87.447 ug/l	96
26) 2,2-Dichloropropane	6.83	77	235677	18.220 ug/l	98
27) cis-1,2-Dichloroethene	6.83	96	209476	18.624 ug/l	99
28) Bromochloromethane	7.20	49	176329	20.658 ug/l	96
29) Tetrahydrofuran	7.21	42	231688	91.435 ug/l	99
30) Chloroform	7.37	83	346285	18.573 ug/l	99
31) Cyclohexane	7.66	56	321798	17.554 ug/l	93
32) 1,1,1-Trichloroethane	7.57	97	282890	19.150 ug/l	100
36) 1,1-Dichloropropene	7.79	75	257905	18.207 ug/l	99
37) Ethyl Acetate	6.93	43	156549	18.109 ug/l	97
38) Carbon Tetrachloride	7.78	117	240719	18.772 ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	301456	17.509	ug/l	99
40) Benzene	8.04	78	801470	18.986	ug/l	100
41) Methacrylonitrile	7.18	41	94523	20.000	ug/l	96
42) 1,2-Dichloroethane	8.12	62	247456	19.360	ug/l	100
43) Isopropyl Acetate	8.17	43	300301	20.527	ug/l	97
44) Trichloroethene	8.84	130	206955	19.139	ug/l	100
45) 1,2-Dichloropropane	9.12	63	213984	19.066	ug/l	98
46) Dibromomethane	9.21	93	121235	19.513	ug/l	98
47) Bromodichloromethane	9.40	83	260186	19.261	ug/l	99
48) Methyl methacrylate	9.20	41	141222	18.513	ug/l	97
49) 1,4-Dioxane	9.20	88	28440	359.234	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	792076	96.498	ug/l	99
52) Toluene	10.16	92	485401	19.353	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	247890	19.076	ug/l	100
54) cis-1,3-Dichloropropene	9.84	75	299266	19.217	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	176114	19.962	ug/l	99
56) Ethyl methacrylate	10.43	69	216350	19.402	ug/l	99
57) 1,3-Dichloropropane	10.71	76	300314	19.278	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	615600	96.160	ug/l	98
59) 2-Hexanone	10.75	43	510884	92.737	ug/l	99
60) Dibromochloromethane	10.90	129	187816	19.601	ug/l	100
61) 1,2-Dibromoethane	11.01	107	168690	19.251	ug/l	98
64) Tetrachloroethene	10.63	164	198142	19.361	ug/l	98
65) Chlorobenzene	11.43	112	525370	19.303	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	188846	19.955	ug/l	99
67) Ethyl Benzene	11.51	91	911622	19.127	ug/l	99
68) m/p-Xylenes	11.62	106	687750	38.761	ug/l	99
69) o-Xylene	11.95	106	338835	19.665	ug/l	98
70) Styrene	11.96	104	544114	19.827	ug/l	99
71) Bromoform	12.13	173	124760	19.911	ug/l #	100
73) Isopropylbenzene	12.25	105	904203	19.660	ug/l	100
74) N-amyl acetate	12.07	43	218607	18.814	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	208898	19.967	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	174581m	19.313	ug/l	
77) Bromobenzene	12.53	156	223041	19.620	ug/l	98
78) n-propylbenzene	12.59	91	1015145	19.429	ug/l	100
79) 2-Chlorotoluene	12.67	91	598714	19.243	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	725561	19.781	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	48504	17.919	ug/l	94
82) 4-Chlorotoluene	12.77	91	600370	19.146	ug/l	100
83) tert-Butylbenzene	12.99	119	645216	19.731	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	727171	19.782	ug/l	100
85) sec-Butylbenzene	13.17	105	871929	19.577	ug/l	100
86) p-Isopropyltoluene	13.29	119	731209	19.275	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	382900	19.256	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	372673	19.027	ug/l	99
89) n-Butylbenzene	13.62	91	585305	18.552	ug/l	99
90) Hexachloroethane	13.88	117	122066	19.004	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	374401	19.708	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	28700	19.181	ug/l	96

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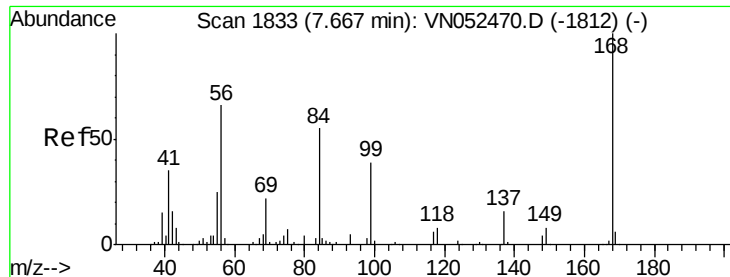
Manual Integrations
APPROVED

MMDadoda
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QLast Update : Mon Dec 03 03:24:02 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	166586	17.931	ug/l	98
94) Hexachlorobutadiene	15.01	225	115302	18.866	ug/l	99
95) Naphthalene	15.13	128	329498	17.334	ug/l	100
96) 1,2,3-Trichlorobenzene	15.32	180	158563	18.394	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion:168 Resp: 965120

Ion Ratio Lower Upper

168 100

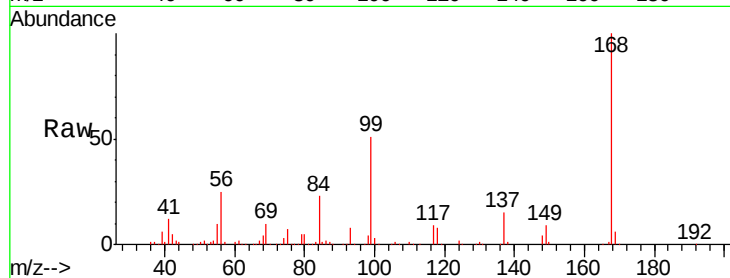
99 51.2 41.7 62.5

Manual Integrations

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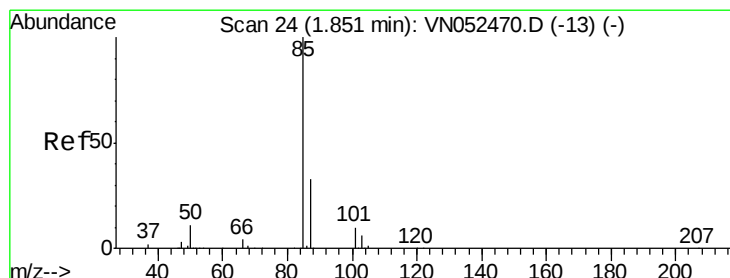
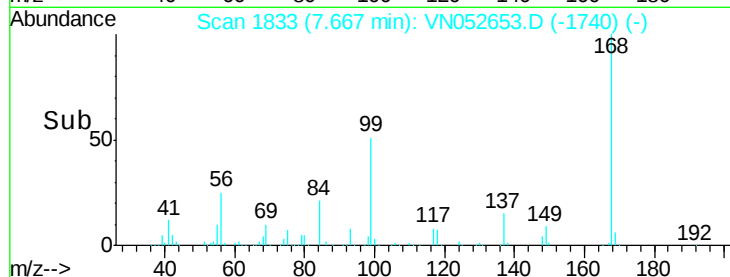
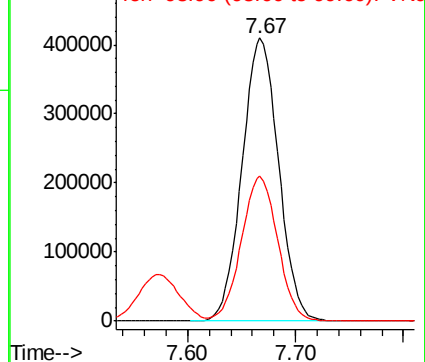
MMDadoda

12/5/2018 9:13:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.244 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN052653.D

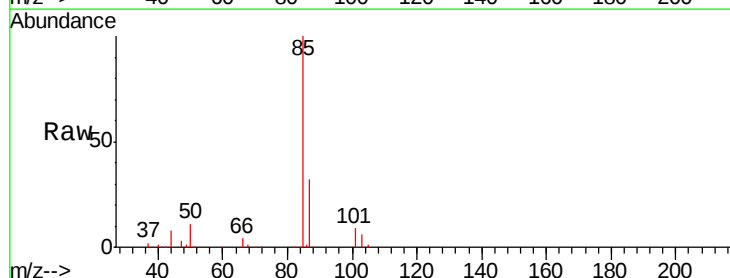
Acq: 4 Dec 2018 14:40

Tgt Ion: 85 Resp: 155831

Ion Ratio Lower Upper

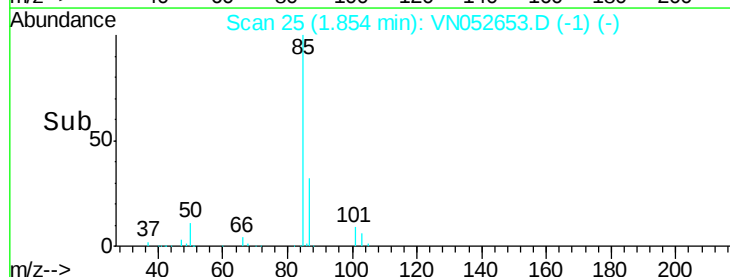
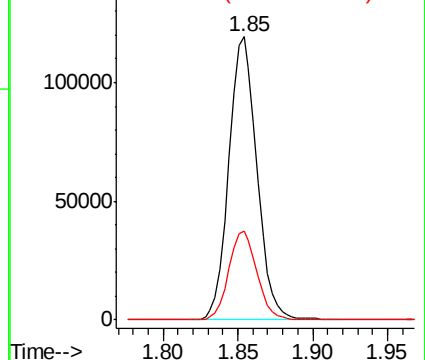
85 100

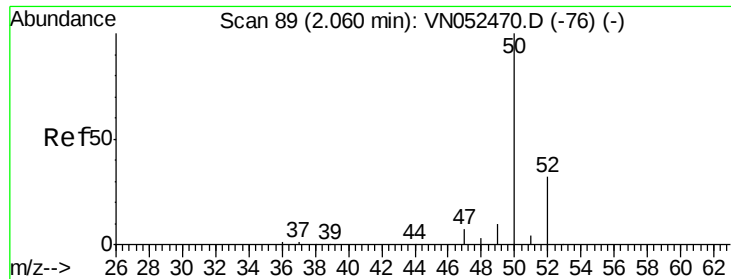
87 31.5 16.7 50.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.948 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 50 Resp: 202167

Ion Ratio Lower Upper

50 100

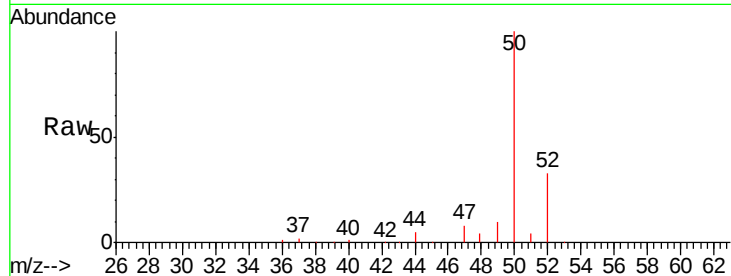
52 32.8 25.9 38.9

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

150000

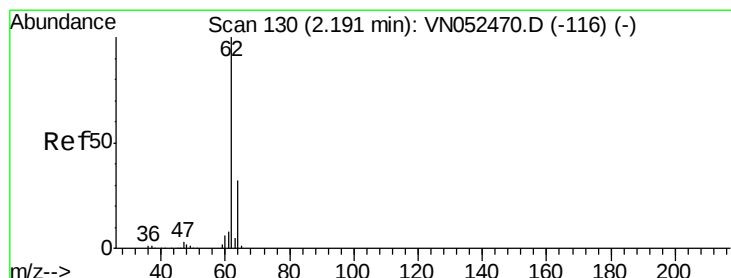
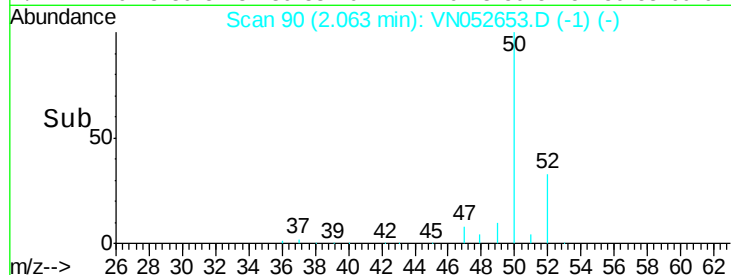
100000

50000

0

2.00 2.05 2.10 2.15

Time-->



#4

Vinyl Chloride

Concen: 17.486 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052653.D

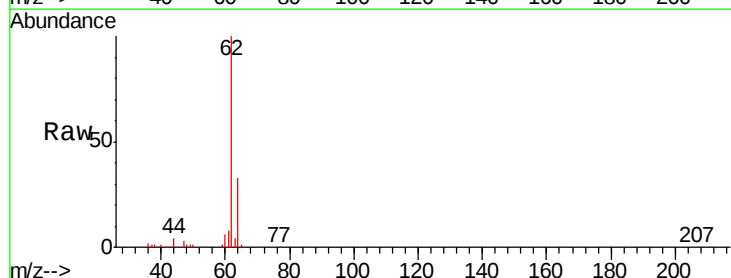
Acq: 4 Dec 2018 14:40

Tgt Ion: 62 Resp: 214267

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.2



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0

150000

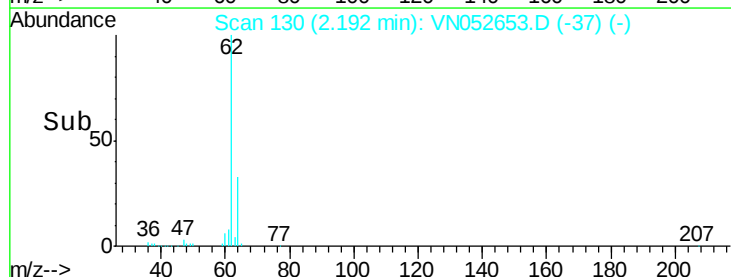
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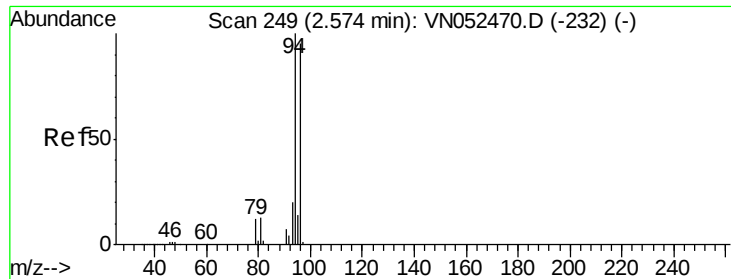
50000

0

2.10 2.15 2.20 2.25 2.30

Time-->





#5

Bromomethane

Concen: 16.580 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 94 Resp: 126765

Ion Ratio Lower Upper

94 100

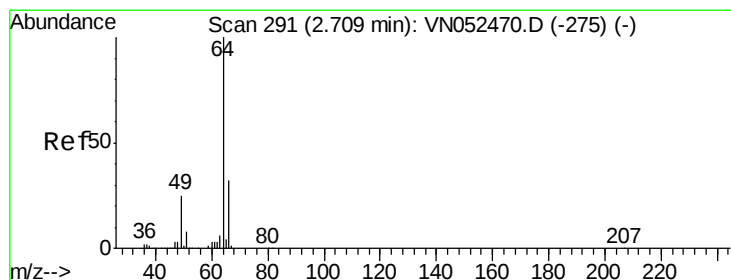
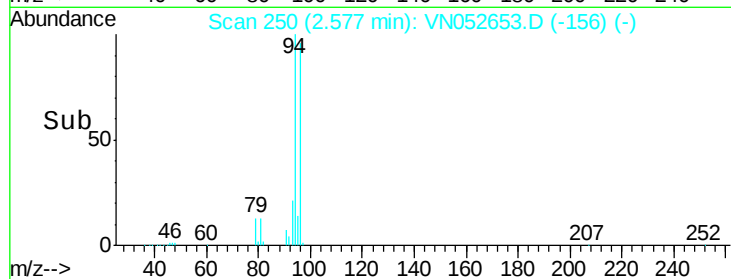
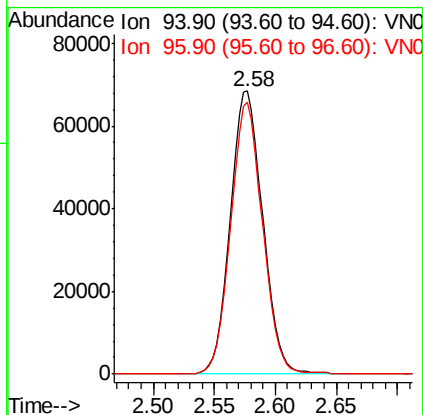
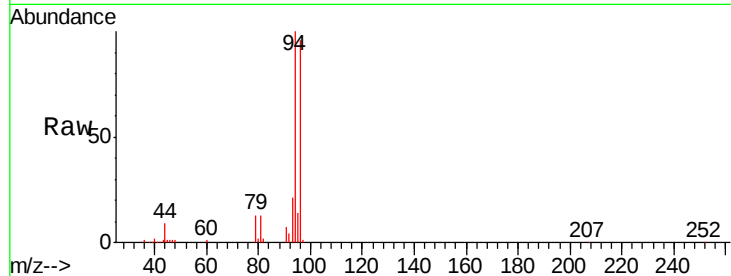
96 96.1 75.8 113.8

Manual Integrations

APPROVED

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12/5/2018 9:13:09 AM



#6

Chloroethane

Concen: 17.769 ug/l

RT: 2.71 min Scan# 291

Delta R.T. 0.00 min

Lab File: VN052653.D

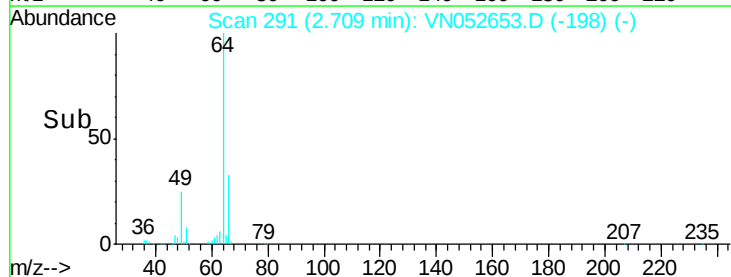
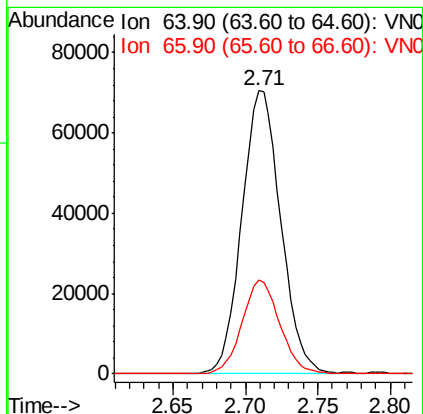
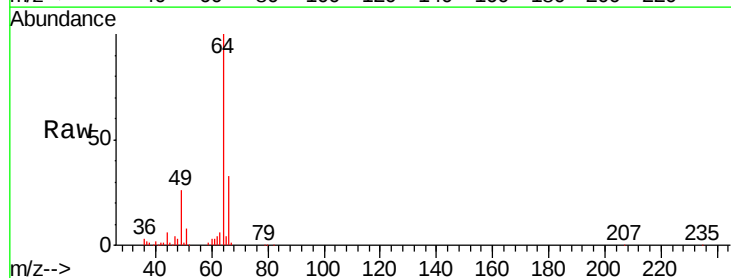
Acq: 4 Dec 2018 14:40

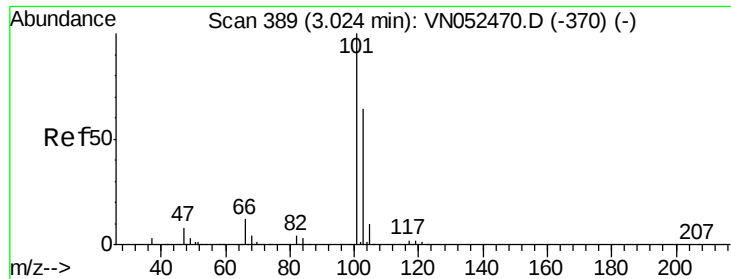
Tgt Ion: 64 Resp: 131889

Ion Ratio Lower Upper

64 100

66 33.1 25.7 38.5





#7

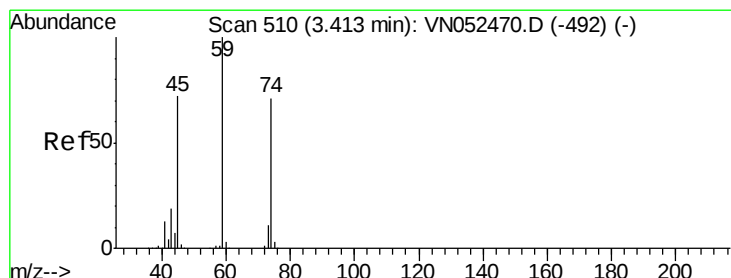
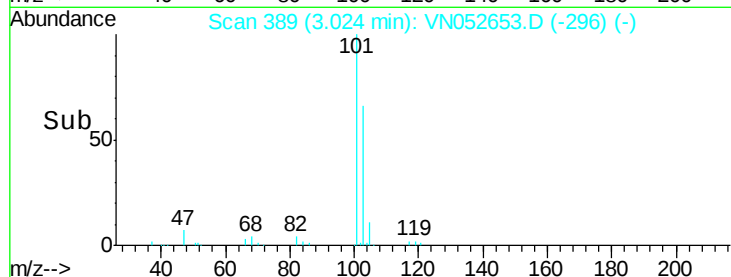
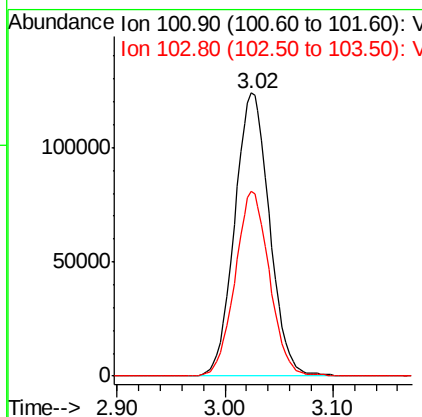
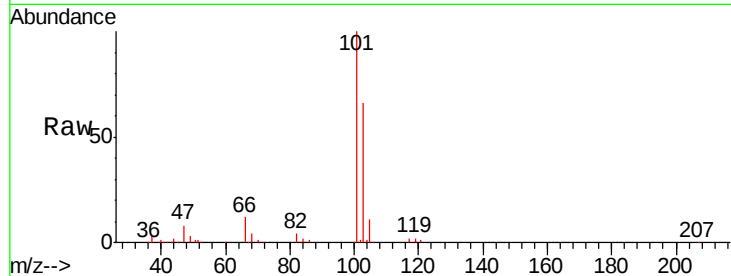
Trichlorofluoromethane
Concen: 18.527 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
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VN1204WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	278865		
103	65.5	51.4	77.2	

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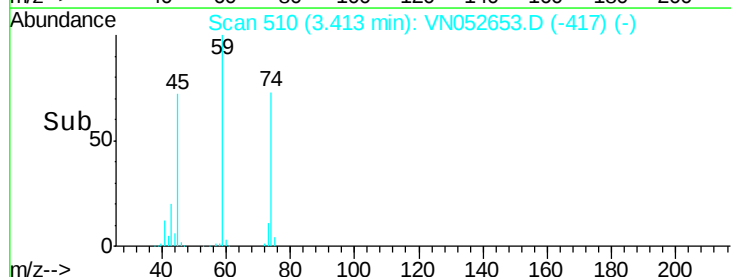
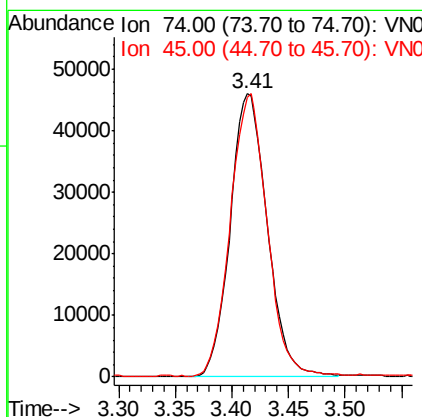
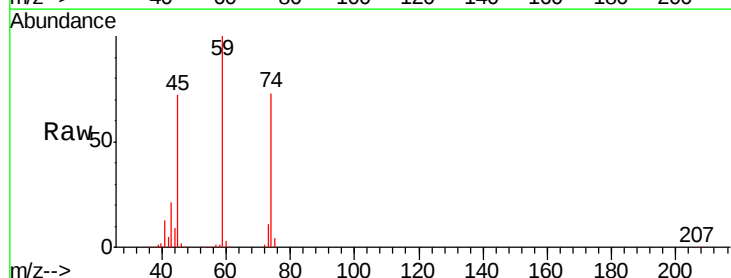
MMDadoda
12/5/2018 9:13:09 AM

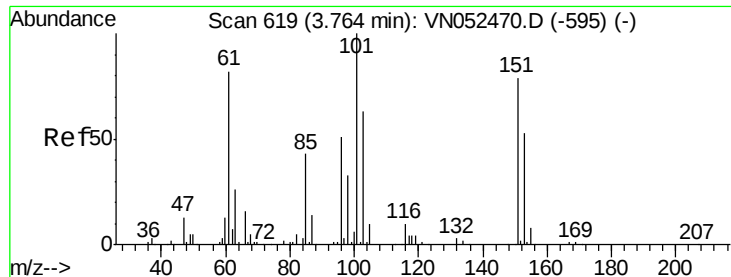


#8

Diethyl Ether
Concen: 18.882 ug/l
RT: 3.41 min Scan# 510
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	104955		
45	99.8	50.4	151.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.668 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

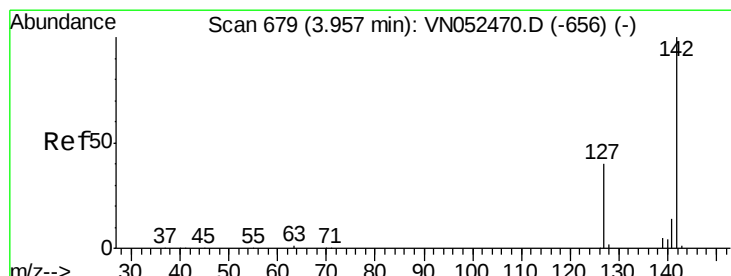
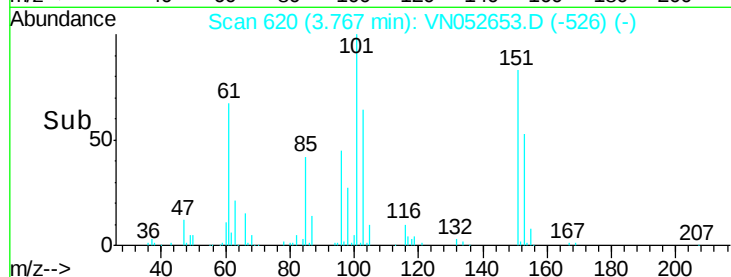
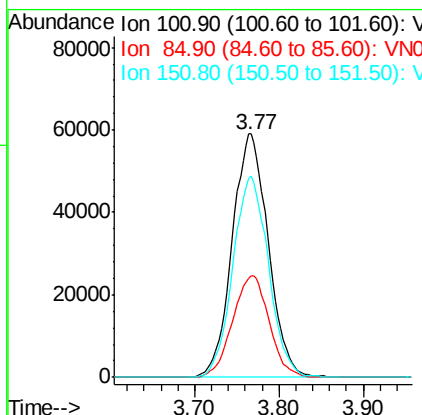
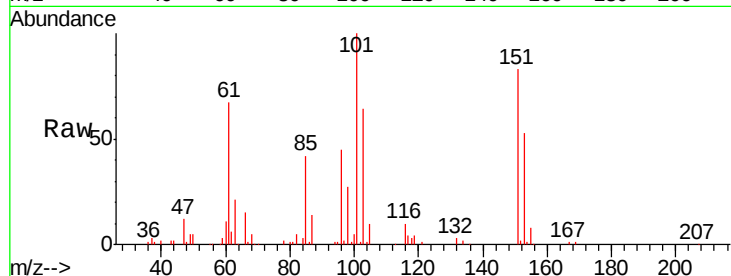
ClientSampled :

VN1204WBSD01

Tgt Ion:	101	Resp:	175335
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	81.7	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 20.118 ug/l

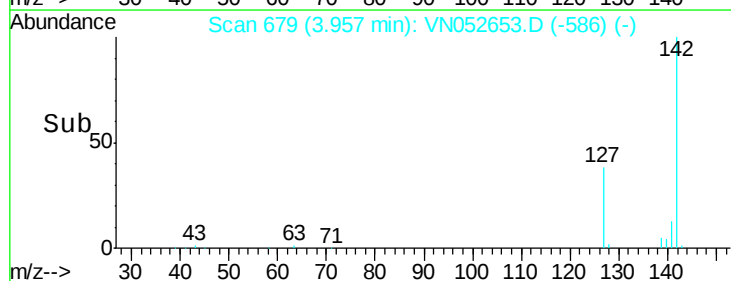
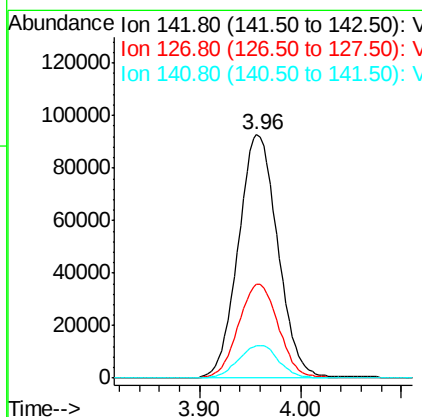
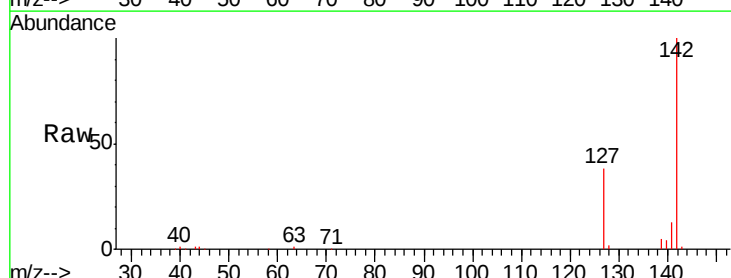
RT: 3.96 min Scan# 679

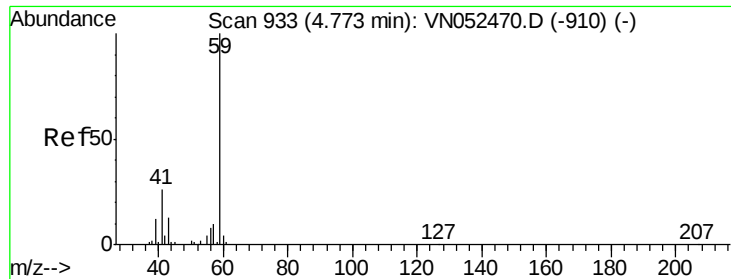
Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion:	142	Resp:	251664
Ion Ratio	Lower	Upper	
142	100		
127	39.4	31.8	47.6
141	13.8	11.4	17.0





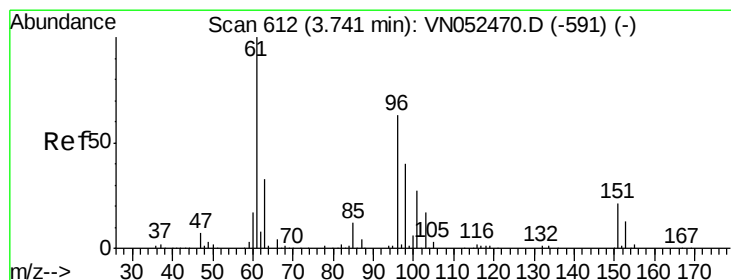
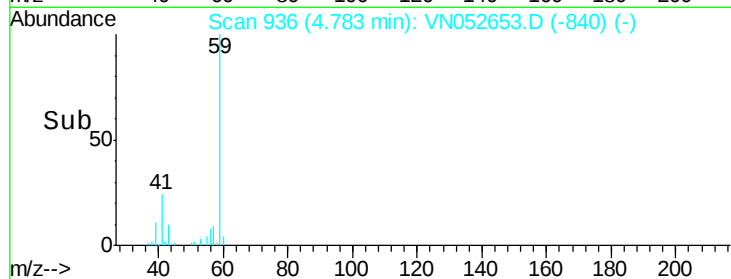
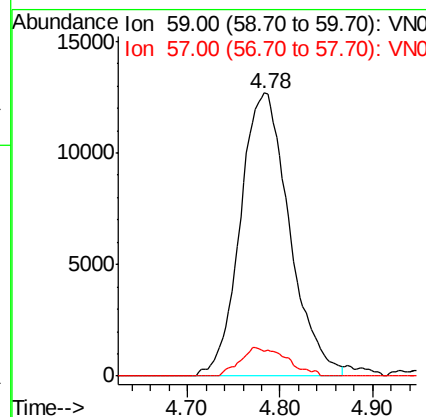
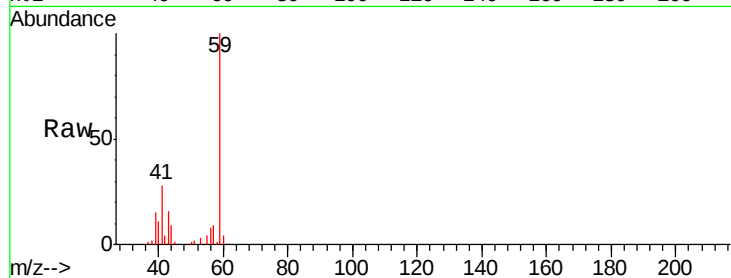
#11
Tert butyl alcohol
Concen: 88.850 ug/l
RT: 4.78 min Scan# 936
Delta R.T. 0.01 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion: 59 Resp: 46742
Ion Ratio Lower Upper
59 100
57 9.7 7.9 11.9

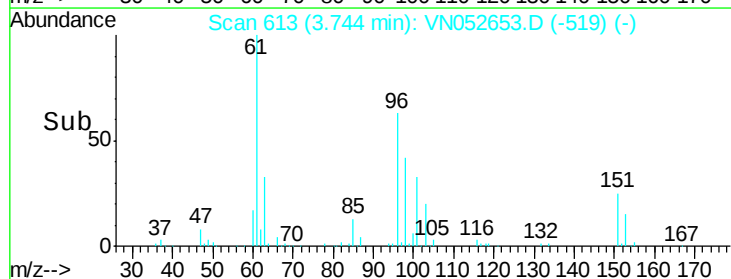
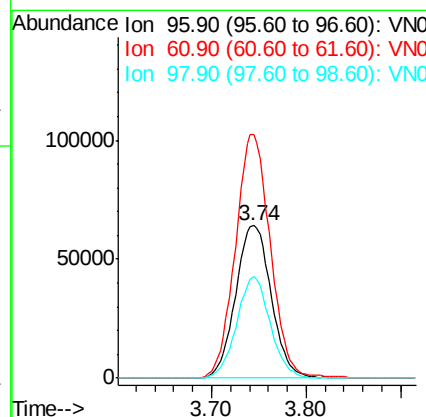
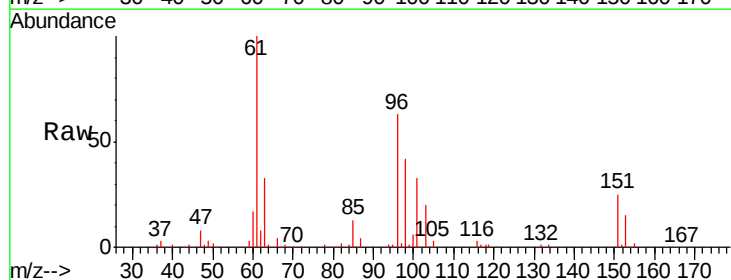
Manual Integrations
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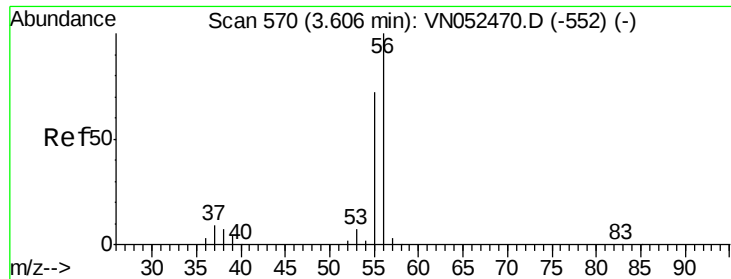
MMDadoda
12/5/2018 9:13:09 AM



#12
1,1-Dichloroethene
Concen: 18.582 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion: 96 Resp: 167989
Ion Ratio Lower Upper
96 100
61 159.6 127.0 190.6
98 66.6 50.3 75.5





#13

Acrolein

Concen: 60.954 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 56 Resp: 55732

Ion Ratio Lower Upper

56 100

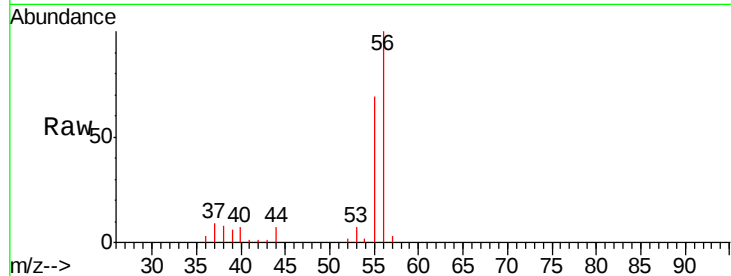
55 70.8 56.8 85.2

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

10000

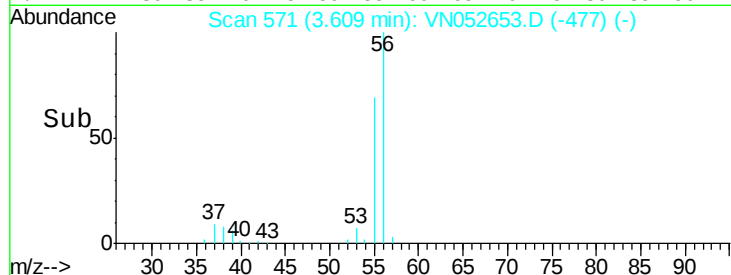
5000

0

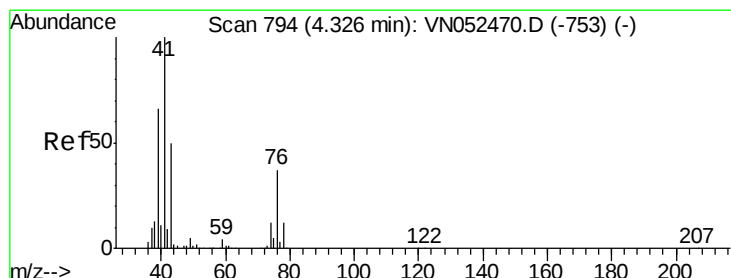
3.50

3.60

3.70



Time-->



#14

Allyl chloride

Concen: 18.236 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

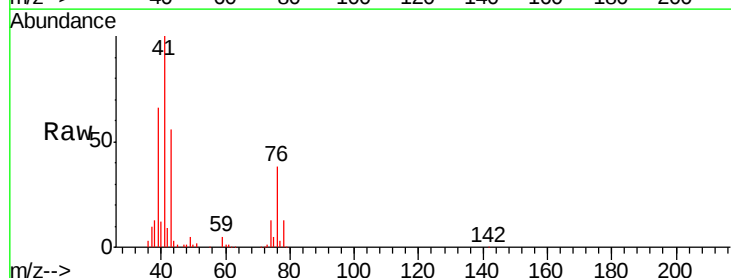
Tgt Ion: 41 Resp: 284151

Ion Ratio Lower Upper

41 100

39 64.5 50.6 76.0

76 35.6 27.4 41.2



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

120000

100000

80000

60000

40000

20000

0

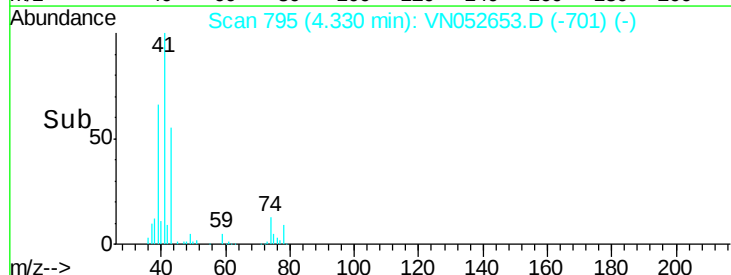
4.10

4.20

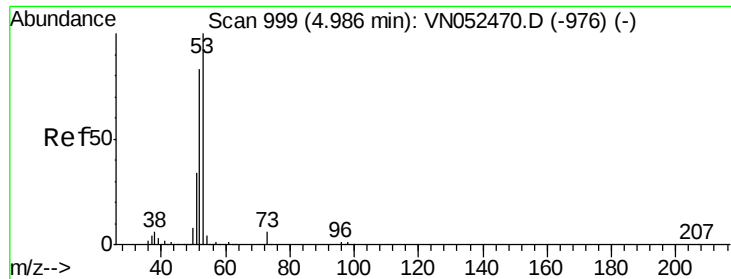
4.30

4.40

4.50



Time-->



#15

Acrylonitrile

Concen: 93.259 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

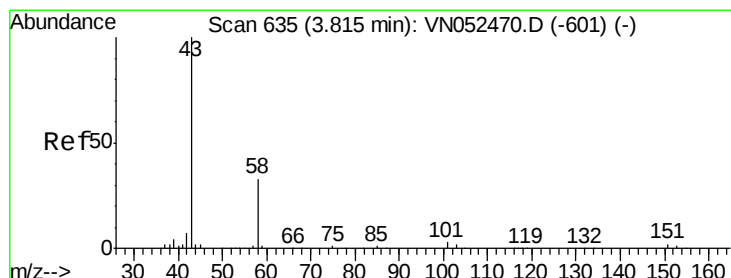
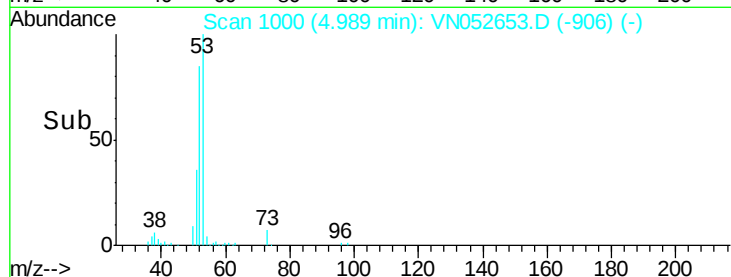
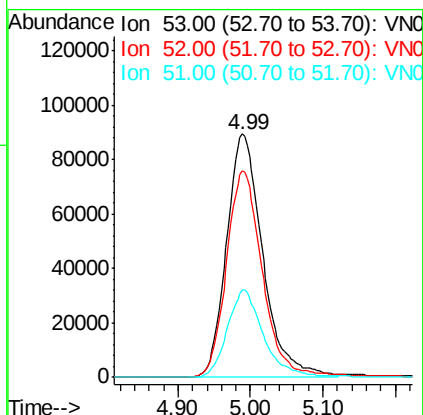
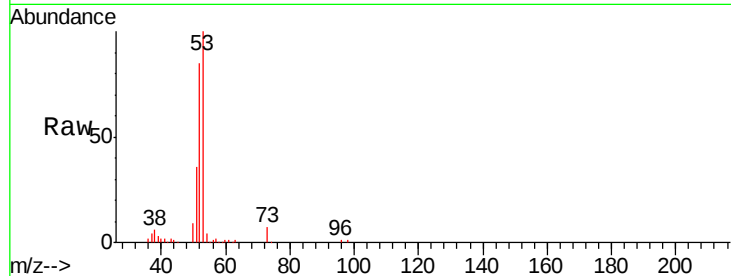
ClientSampleId :

VN1204WBSD01

Tgt Ion:	53	Resp:	310567
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.2	99.2
51	35.7	28.1	42.1

Manual Integrations
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#16

Acetone

Concen: 80.490 ug/l

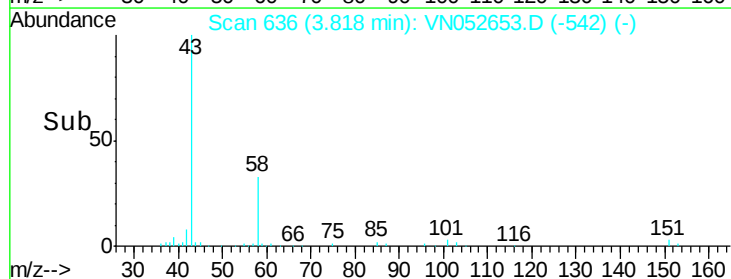
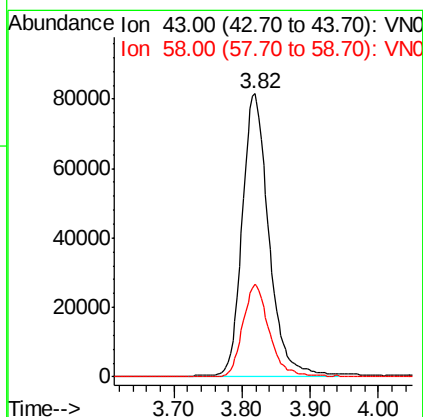
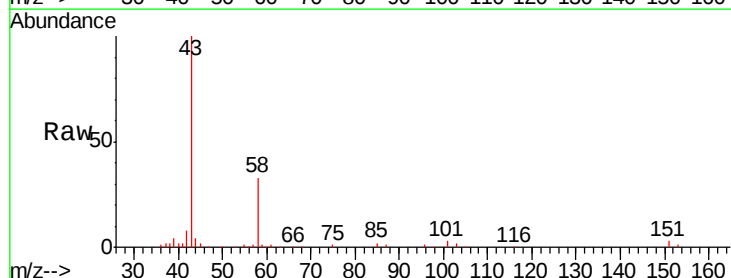
RT: 3.82 min Scan# 636

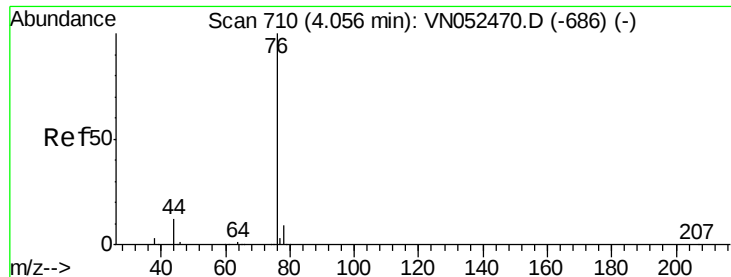
Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion:	43	Resp:	223094
Ion	Ratio	Lower	Upper
43	100		
58	32.6	26.0	39.0





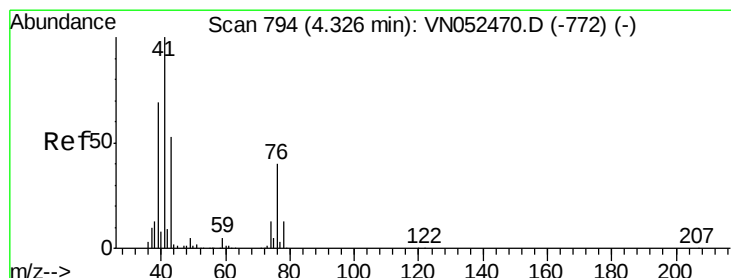
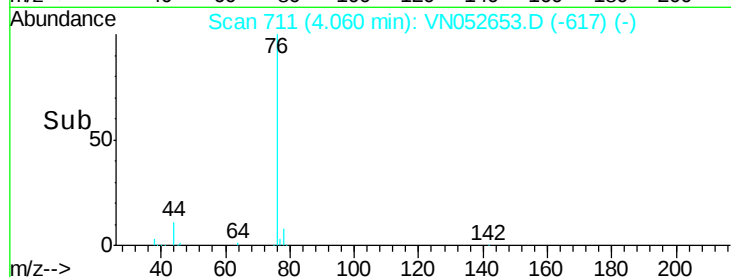
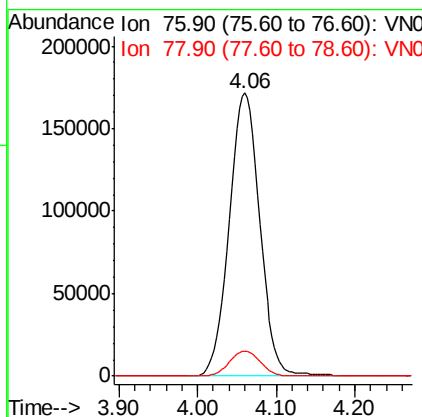
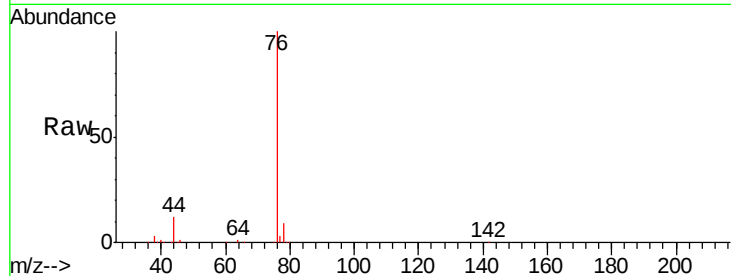
#17
Carbon Disulfide
Concen: 16.249 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

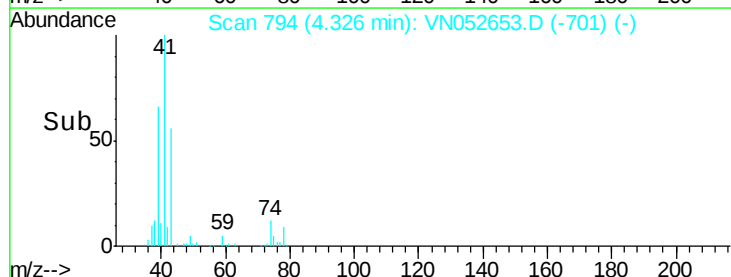
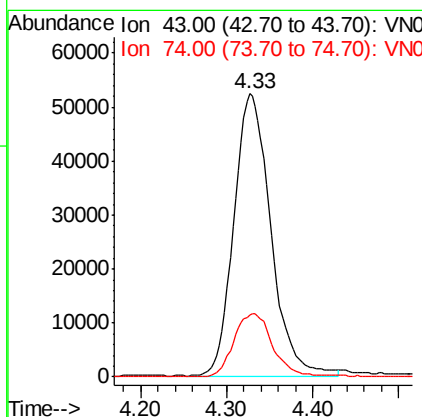
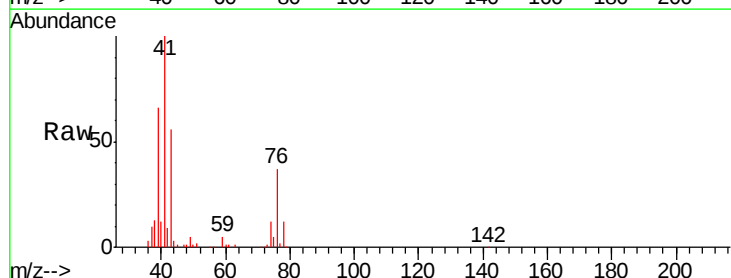
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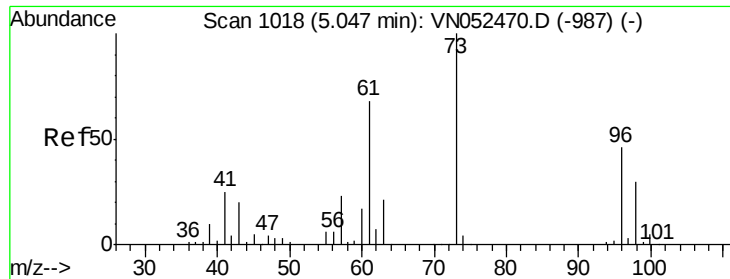
MMDadoda
12/5/2018 9:13:09 AM



#18
Methyl Acetate
Concen: 19.641 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	18.6	27.8





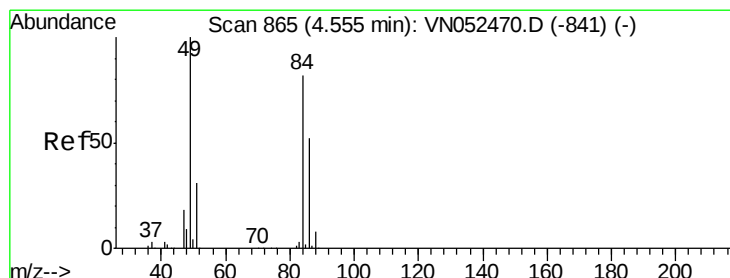
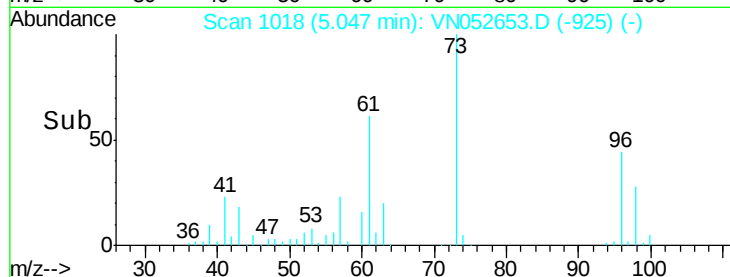
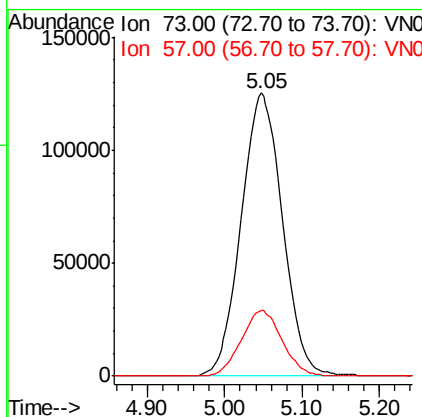
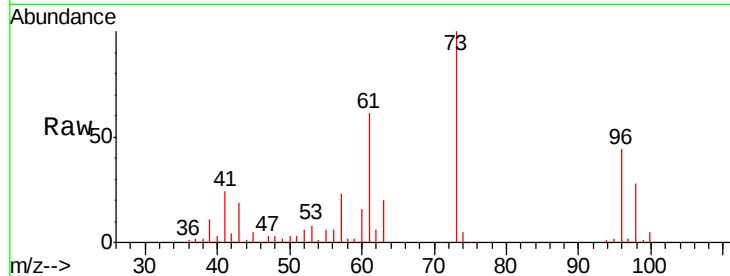
#19
Methyl tert-butyl Ether
Concen: 19.369 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion: 73 Resp: 465896
Ion Ratio Lower Upper
73 100
57 23.3 18.2 27.2

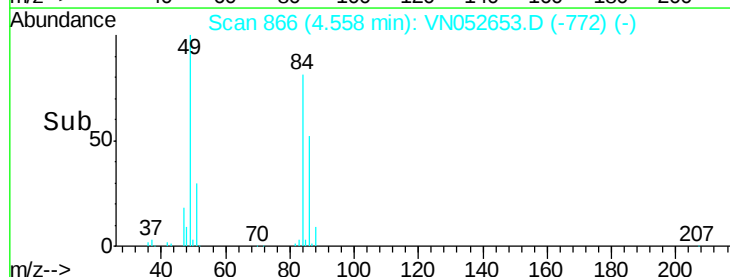
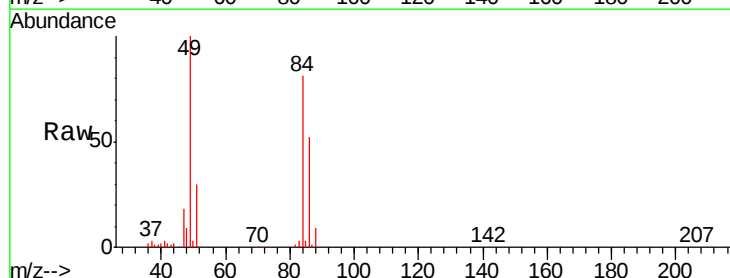
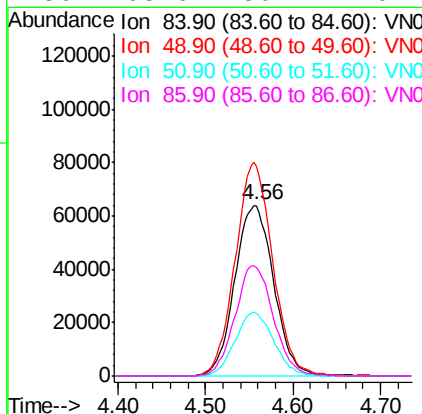
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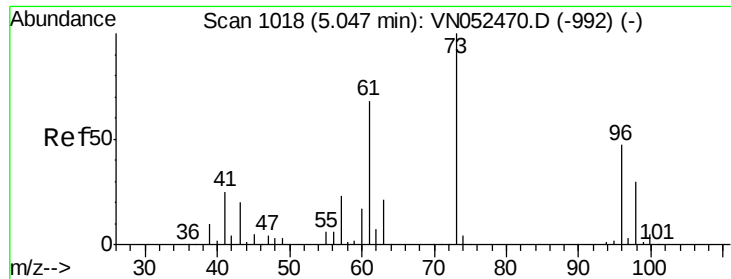
MMDadoda
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#20
Methylene Chloride
Concen: 18.218 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion: 84 Resp: 197598
Ion Ratio Lower Upper
84 100
49 122.8 98.0 147.0
51 37.2 30.1 45.1
86 63.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 18.629 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampled :

VN1204WBSD01

Tgt Ion: 96 Resp: 179871

Ion Ratio Lower Upper

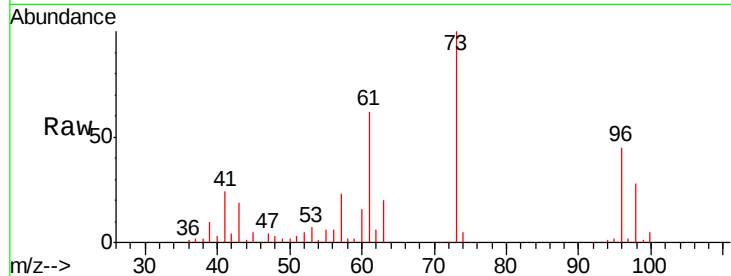
96 100

61 137.1 117.0 175.4

98 63.5 51.8 77.6

Manual Integrations
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12/5/2018 9:13:09 AM

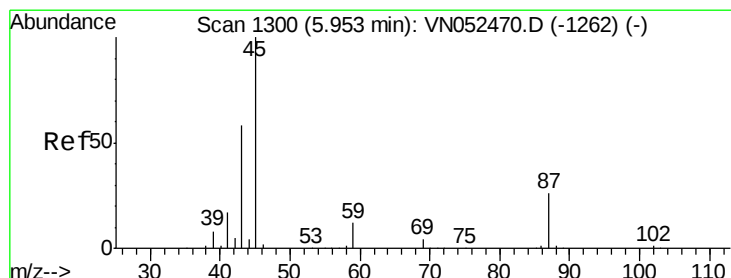
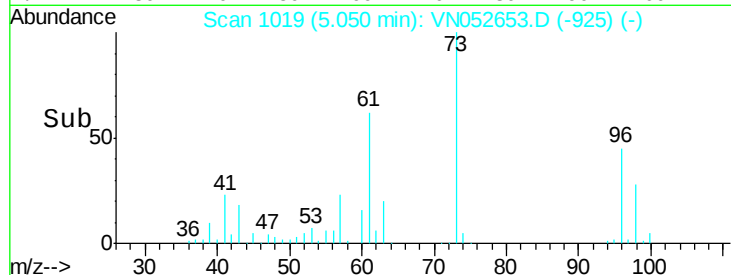
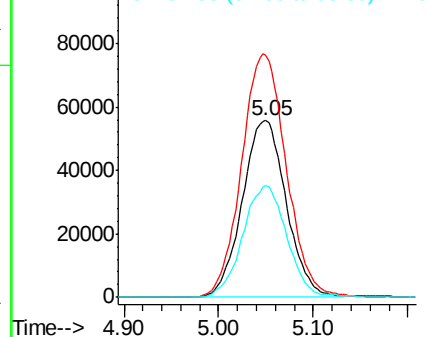


Abundance

Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO



#22

Diisopropyl ether

Concen: 18.749 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion: 45 Resp: 613656

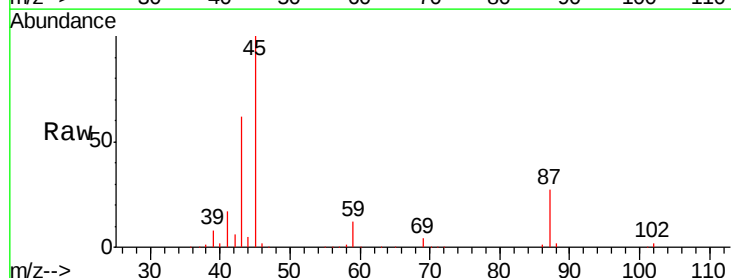
Ion Ratio Lower Upper

45 100

43 60.6 46.1 69.1

87 27.0 21.3 31.9

59 11.8 9.5 14.3



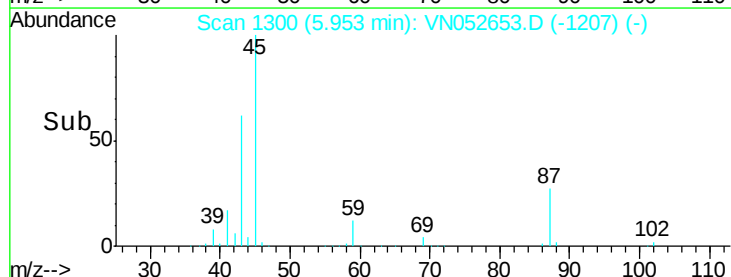
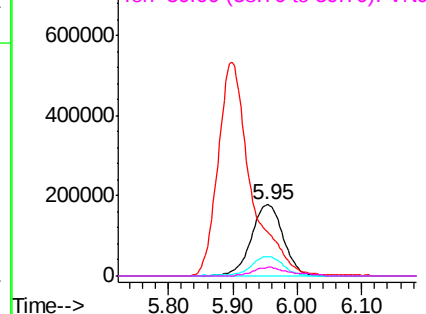
Abundance

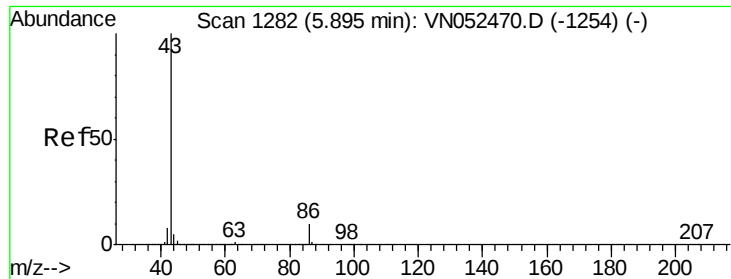
Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO





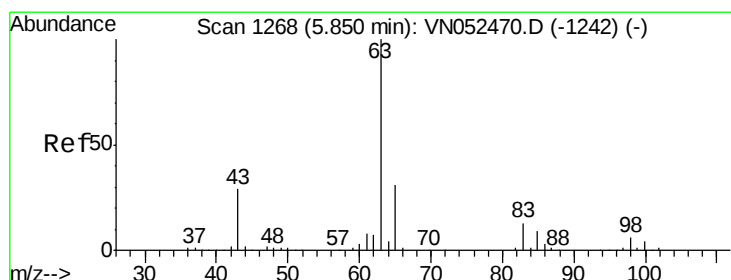
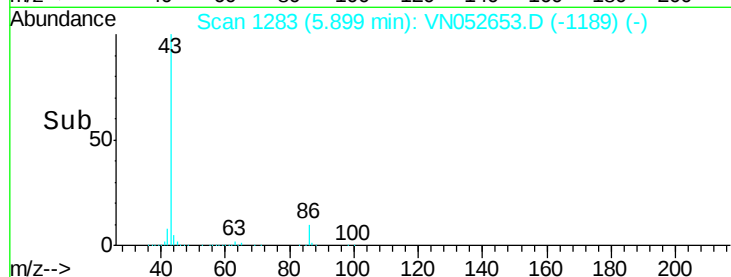
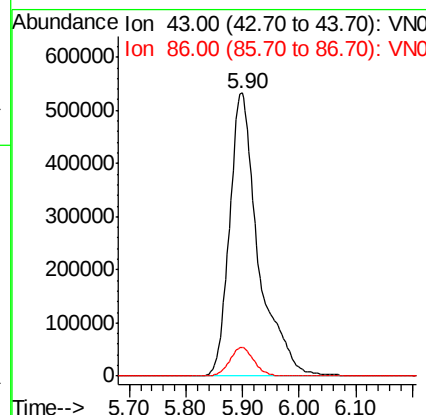
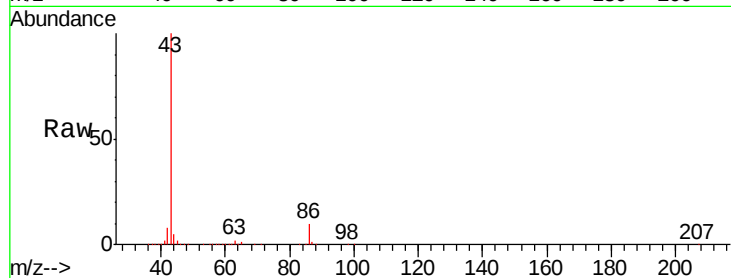
#23
 Vinyl Acetate
 Concen: 92.585 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tgt Ion: 43 Resp: 1887404
 Ion Ratio Lower Upper
 43 100
 86 10.1 7.8 11.8

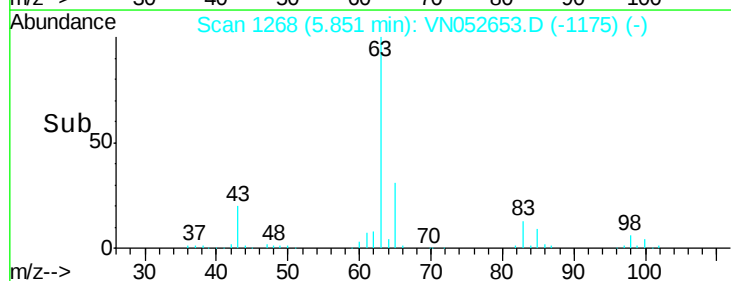
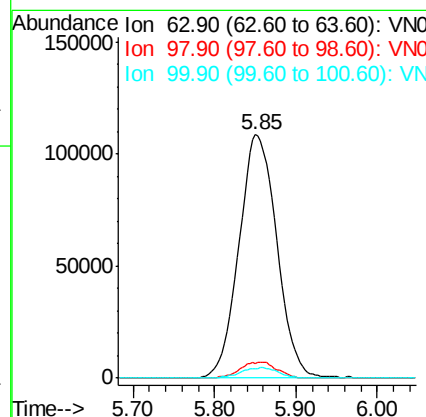
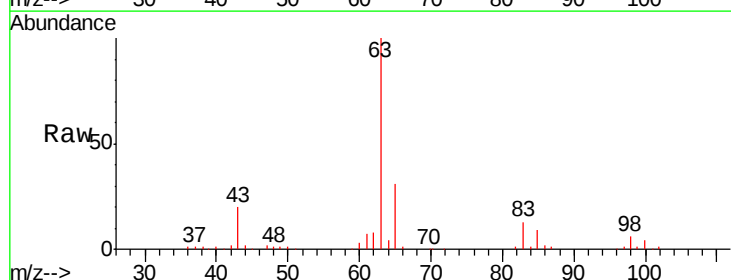
Manual Integrations
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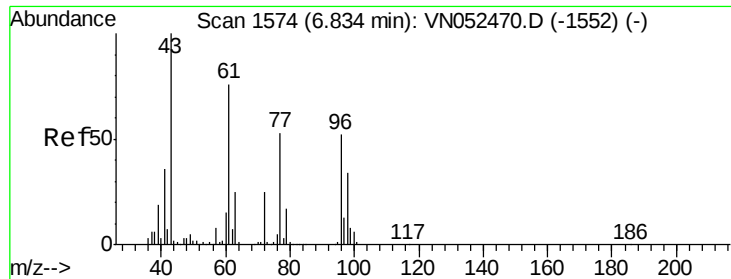
MMDadoda
 12/5/2018 9:13:09 AM



#24
 1,1-Dichloroethane
 Concen: 18.697 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion: 63 Resp: 349400
 Ion Ratio Lower Upper
 63 100
 98 6.2 3.0 9.2
 100 4.1 2.0 5.8





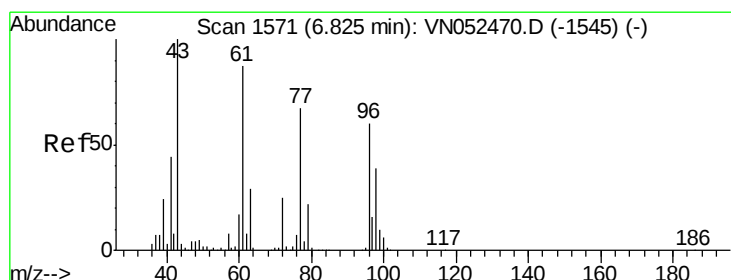
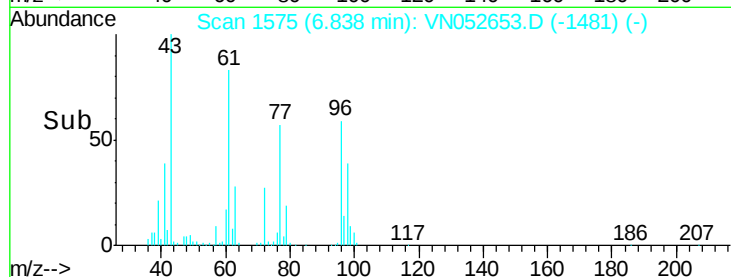
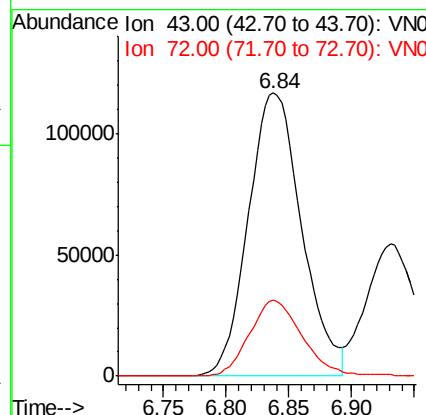
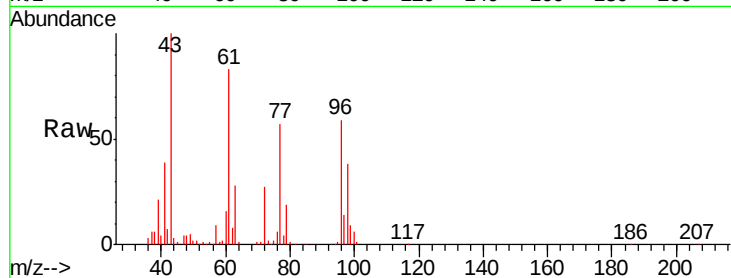
#25
2-Butanone
Concen: 87.447 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion: 43 Resp: 343544
Ion Ratio Lower Upper
43 100
72 26.9 20.1 30.1

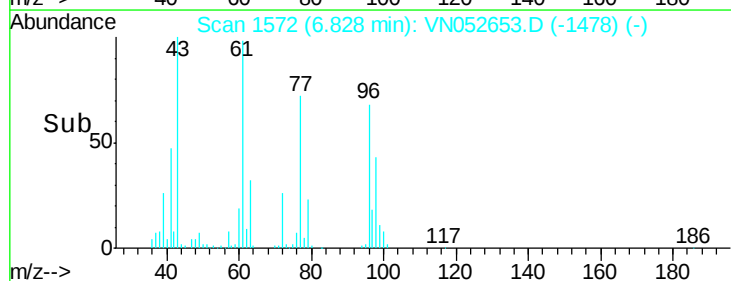
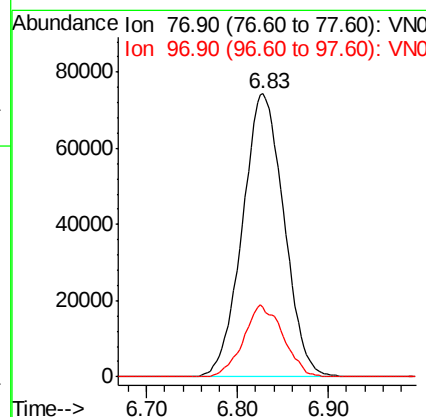
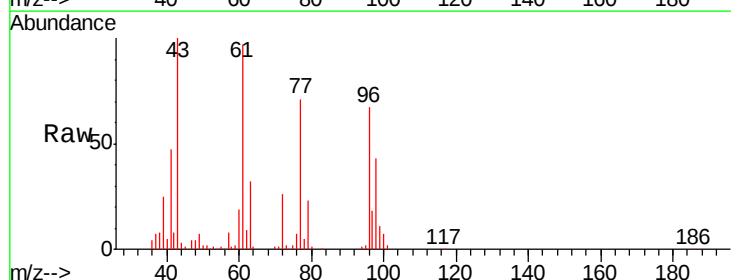
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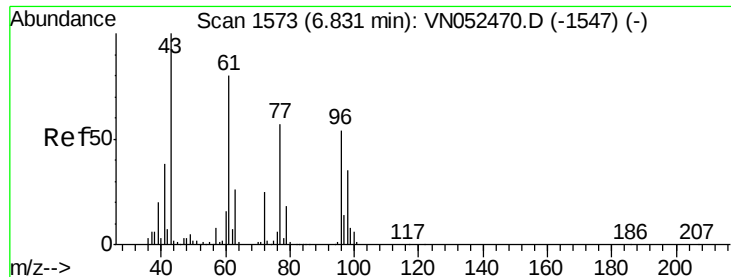
MMDadoda
12/5/2018 9:13:09 AM



#26
2,2-Dichloropropane
Concen: 18.220 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion: 77 Resp: 235677
Ion Ratio Lower Upper
77 100
97 24.3 11.8 35.3





#27

cis-1,2-Dichloroethene

Concen: 18.624 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

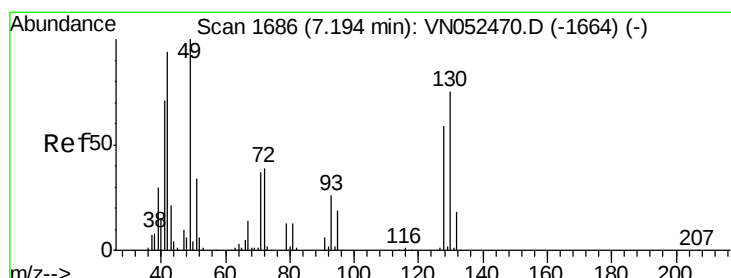
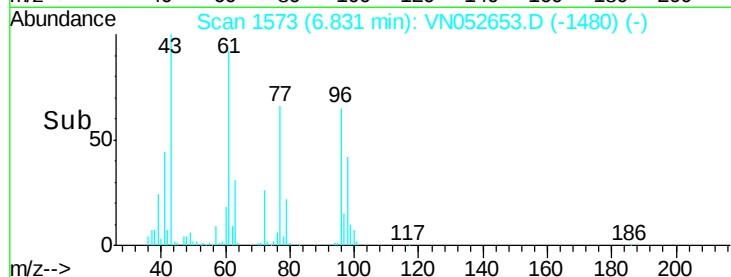
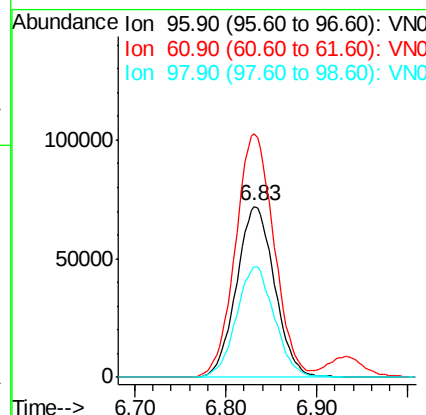
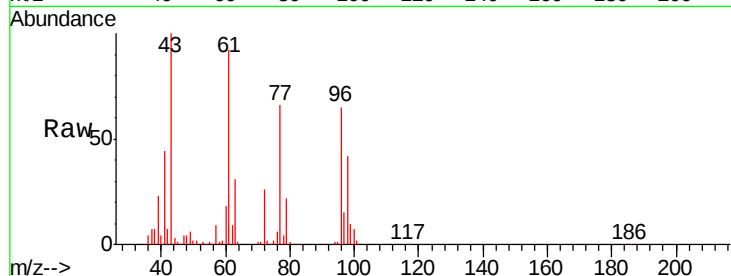
ClientSampleId :

VN1204WBSD01

Tgt Ion:	96	Resp:	209476
Ion Ratio	Lower	Upper	
96	100		
61	144.3	0.0	291.0
98	64.3	0.0	130.0

Manual Integrations
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12/5/2018 9:13:09 AM



#28

Bromochloromethane

Concen: 20.658 ug/l

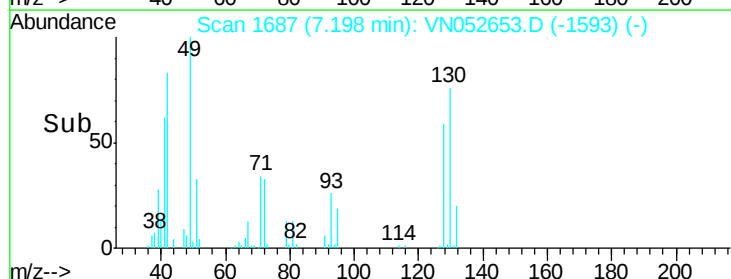
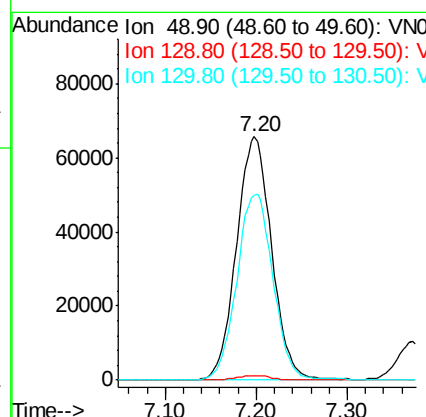
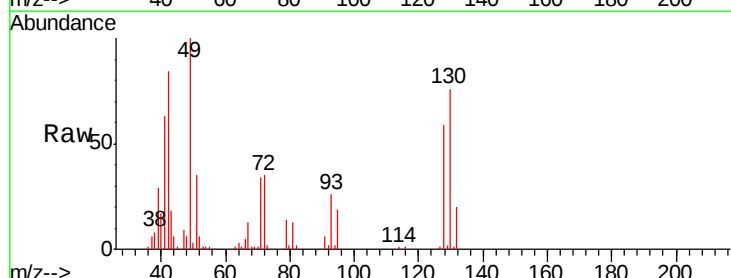
RT: 7.20 min Scan# 1687

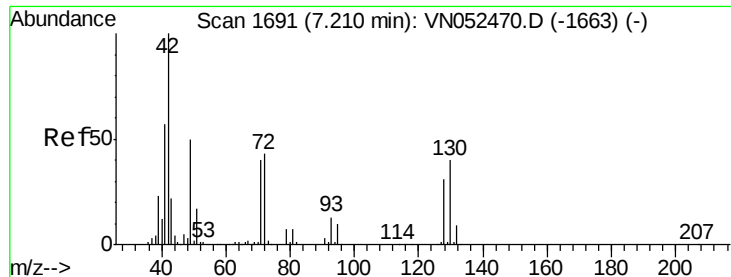
Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion:	49	Resp:	176329
Ion Ratio	Lower	Upper	
49	100		
129	1.1	0.0	3.8
130	78.5	60.2	90.2





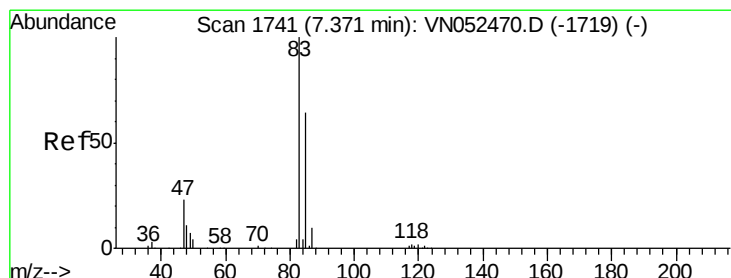
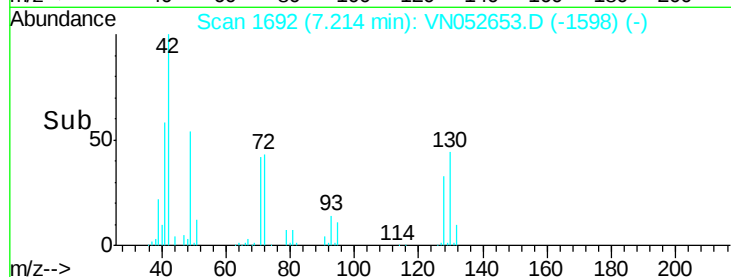
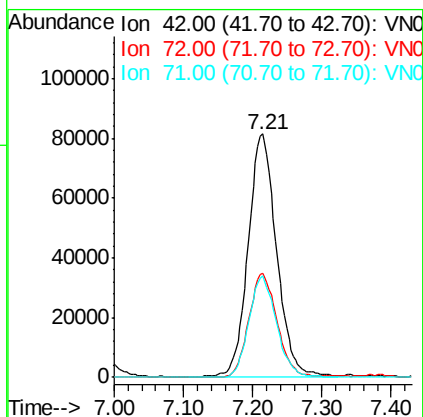
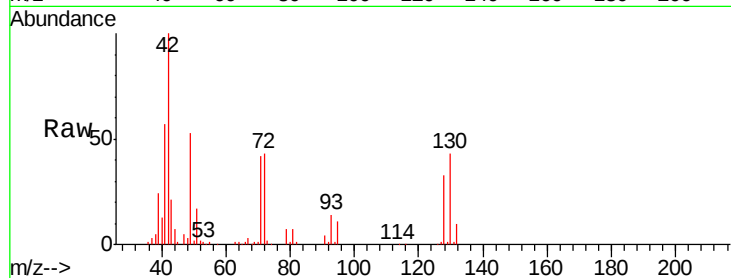
#29
Tetrahydrofuran
Concen: 91.435 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.4	33.3	49.9
71	40.6	32.0	48.0

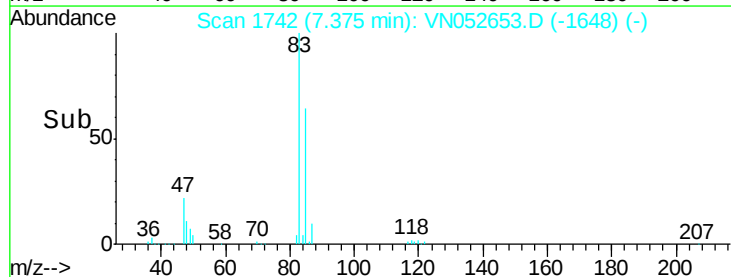
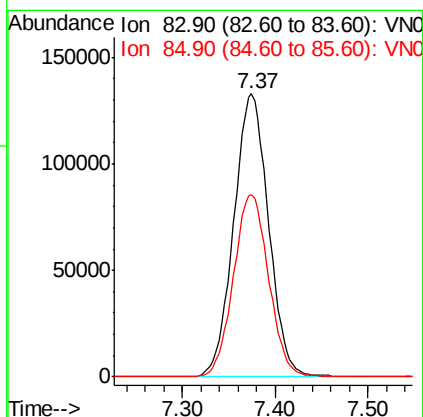
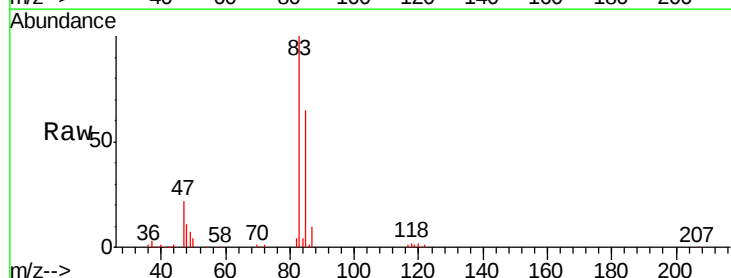
Manual Integrations
APPROVED

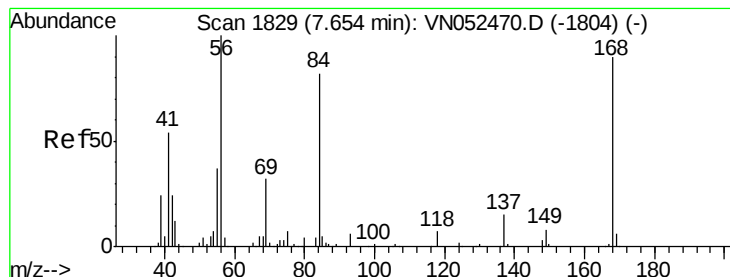
MMDadoda
12/5/2018 9:13:09 AM



#30
Chloroform
Concen: 18.573 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.0	76.4





#31

Cyclohexane

Concen: 17.554 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 56 Resp: 321798

Ion Ratio Lower Upper

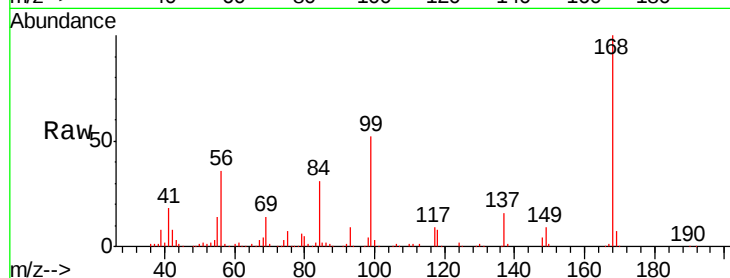
56 100

69 38.3 25.8 38.6

84 86.6 65.3 97.9

Manual Integrations
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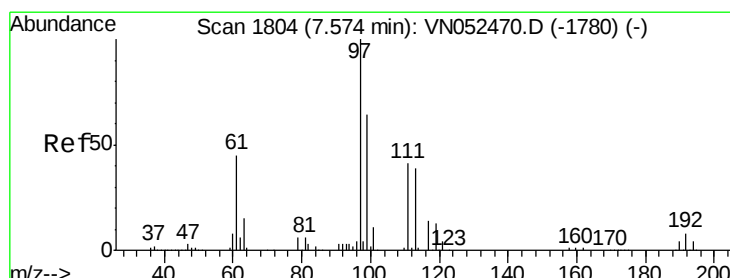
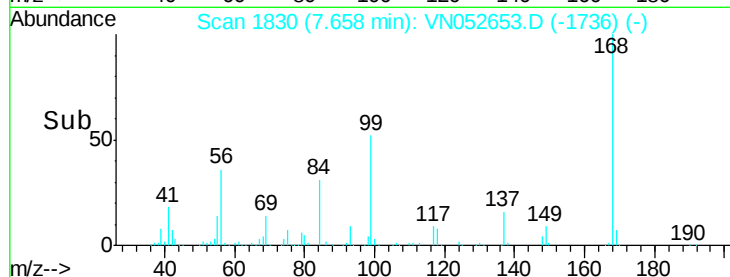
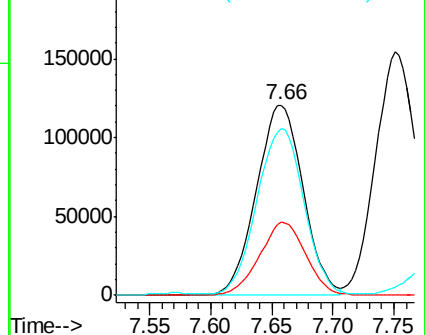
MMDadoda
12/5/2018 9:13:09 AM



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.150 ug/l

RT: 7.57 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

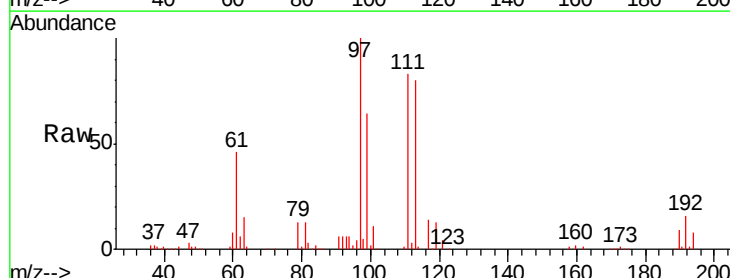
Tgt Ion: 97 Resp: 282890

Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

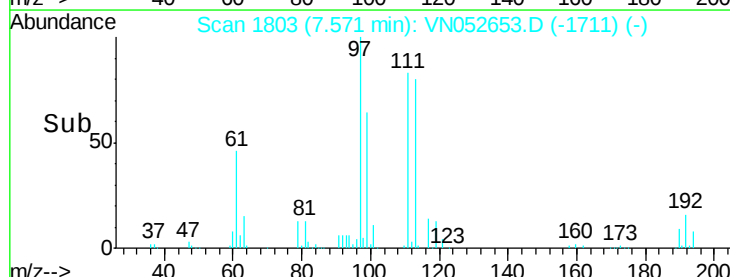
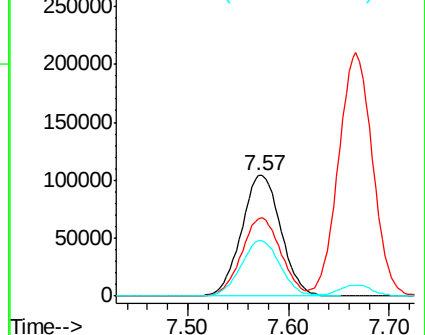
61 45.4 36.8 55.2

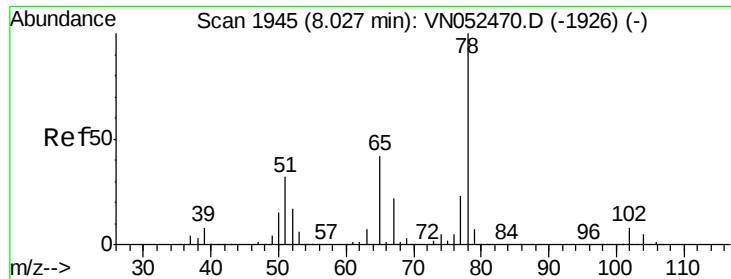


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





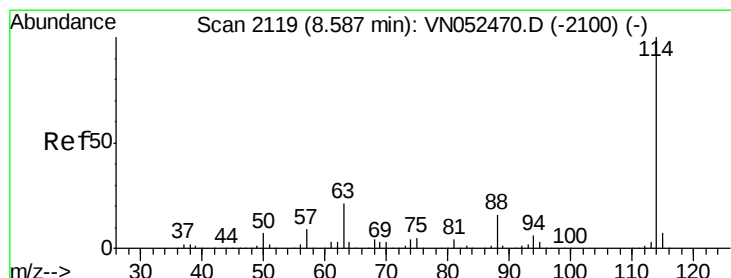
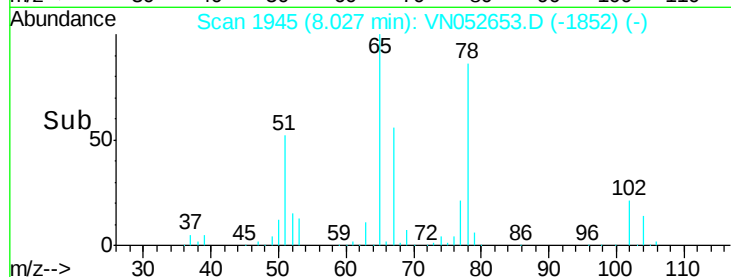
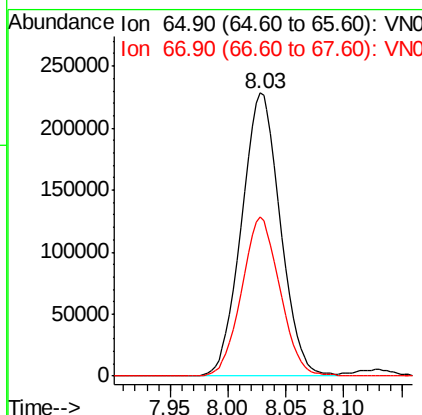
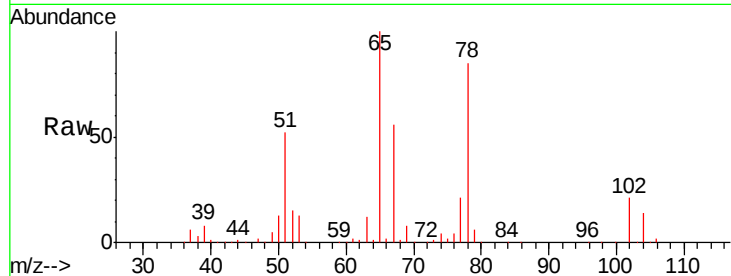
#33
 1,2-Dichloroethane-d4
 Concen: 19.150 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tgt Ion: 65 Resp: 531661
 Ion Ratio Lower Upper
 65 100
 67 55.4 0.0 109.8

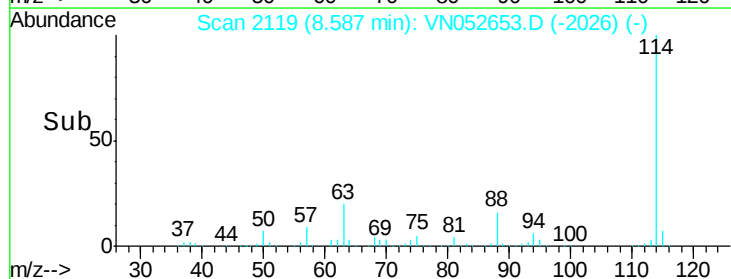
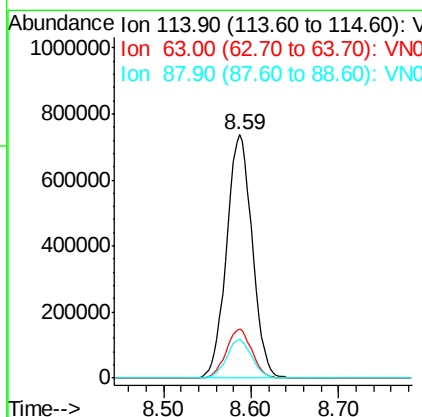
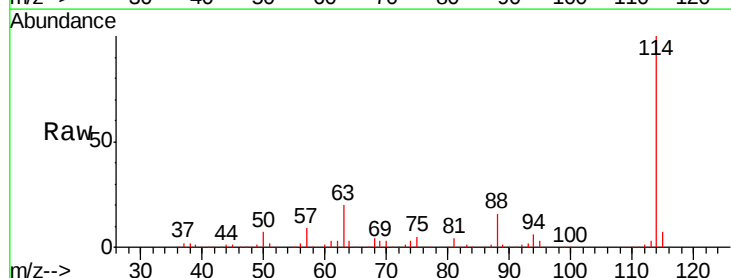
Manual Integrations
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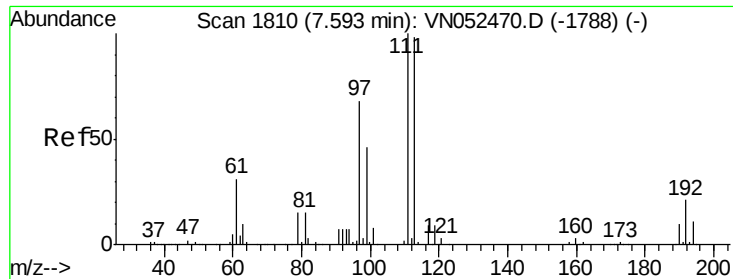
MMDadoda
 12/5/2018 9:13:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion: 114 Resp: 1500006
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.8
 88 15.9 0.0 31.6





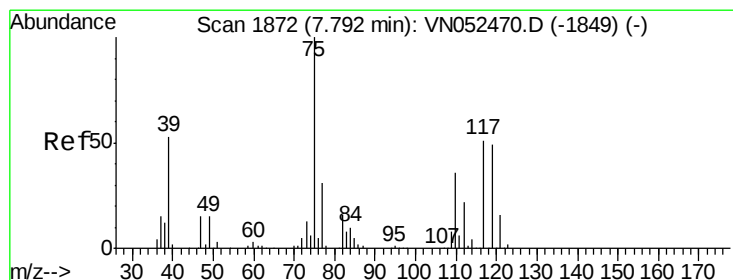
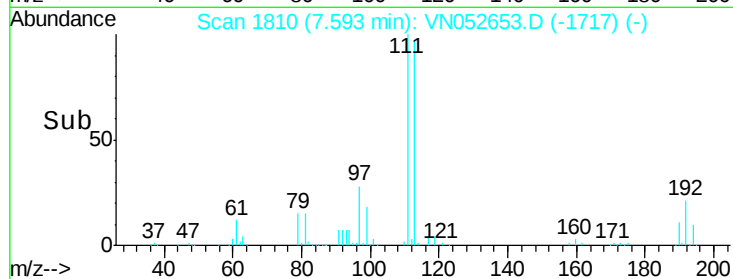
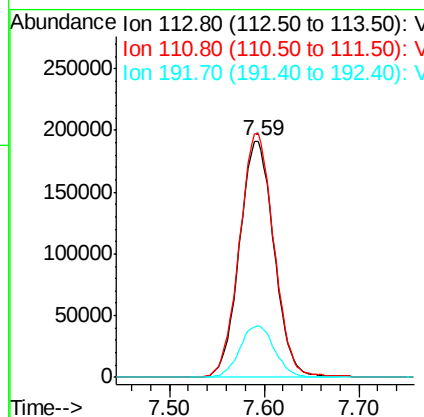
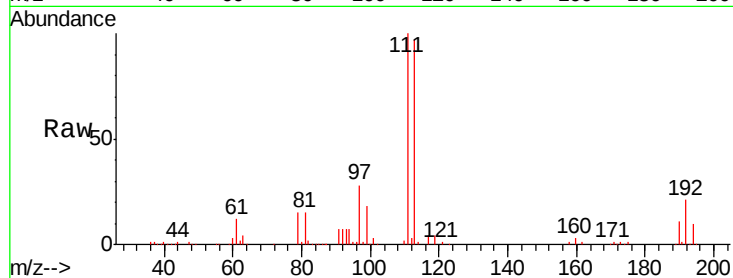
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	485206		
111	103.1	82.0	123.0	
192	22.0	17.0	25.6	

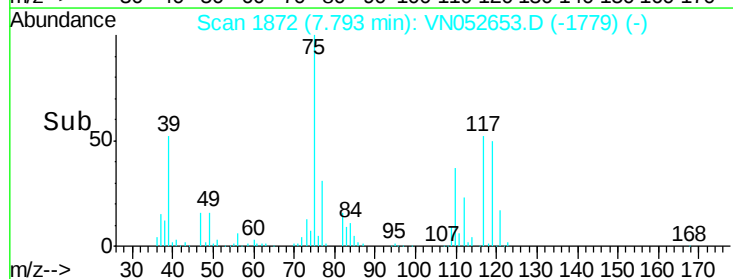
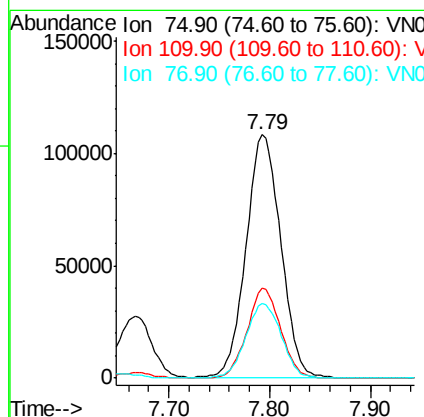
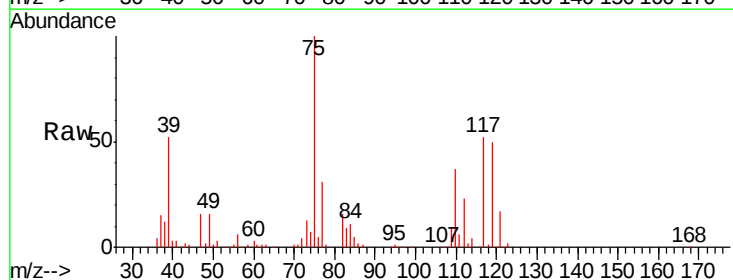
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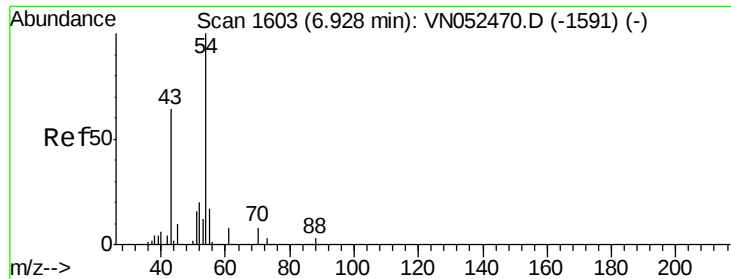
MMDadoda
12/5/2018 9:13:09 AM



#36
1,1-Dichloropropene
Concen: 18.207 ug/l
RT: 7.79 min Scan# 1872
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	257905		
110	35.7	17.5	52.6	
77	31.7	24.5	36.7	





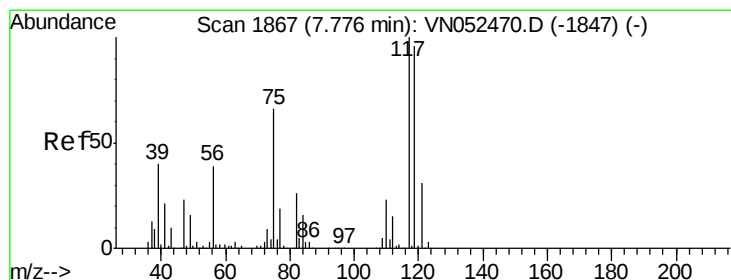
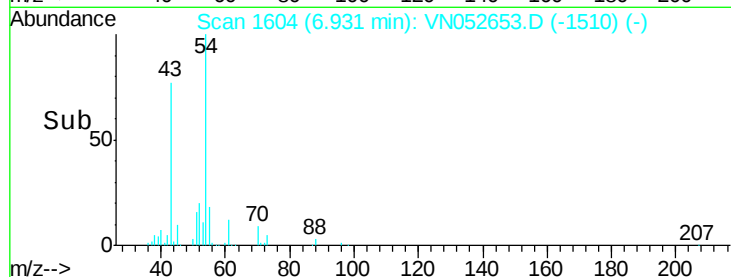
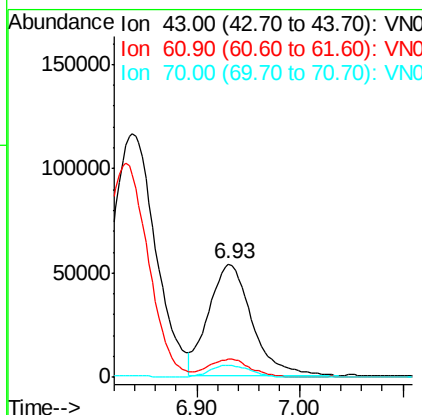
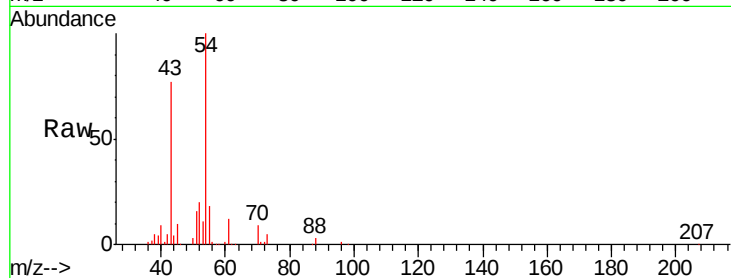
#37
Ethyl Acetate
Concen: 18.109 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	16.2	11.8	17.8
70	10.3	7.8	11.8

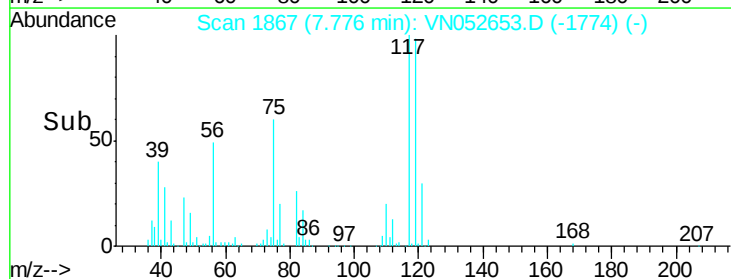
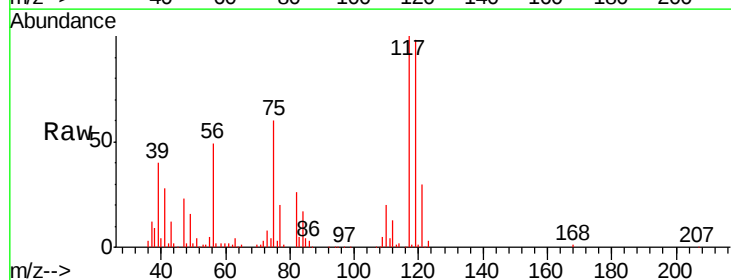
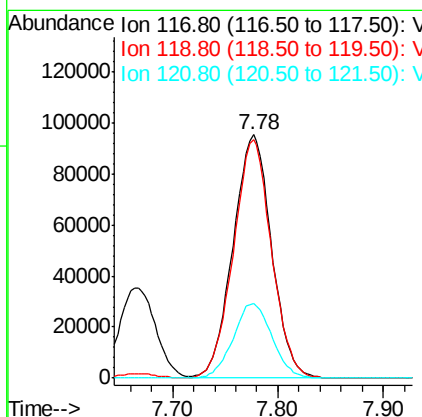
Manual Integrations
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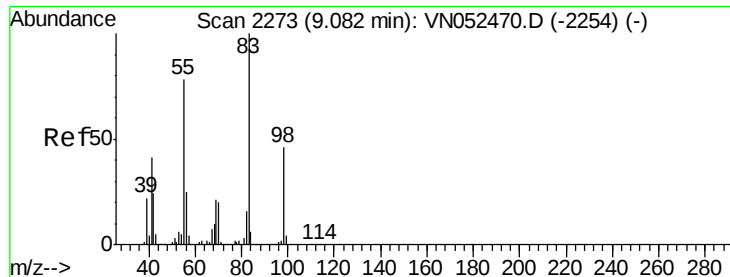
MMDadoda
12/5/2018 9:13:09 AM



#38
Carbon Tetrachloride
Concen: 18.772 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	76.8	115.2
121	30.5	24.9	37.3





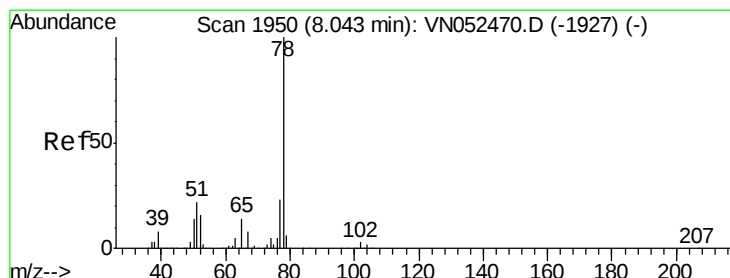
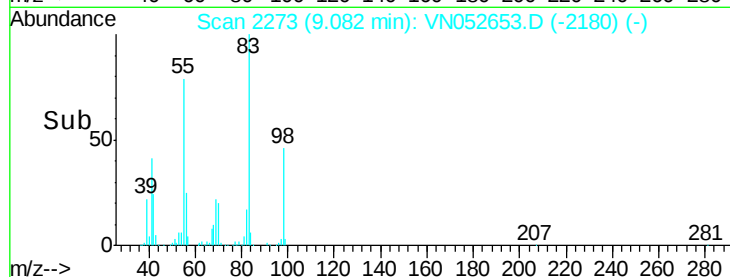
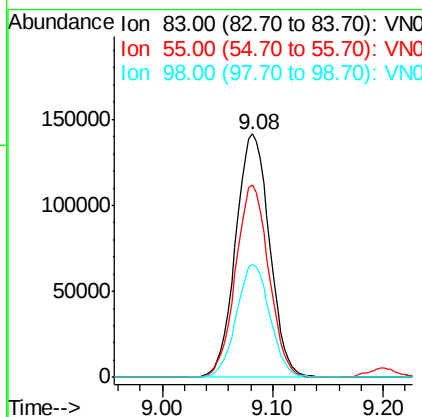
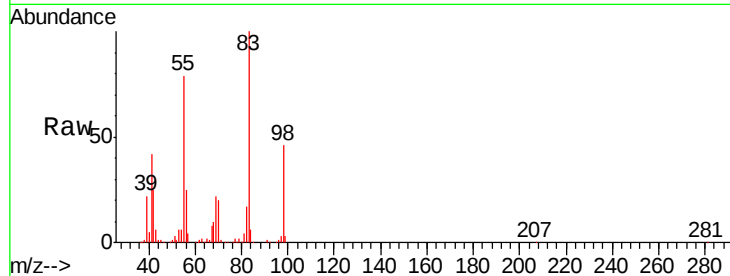
#39
Methylcyclohexane
Concen: 17.509 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	301456		
55	79.0	62.2	93.2	
98	46.2	36.4	54.6	

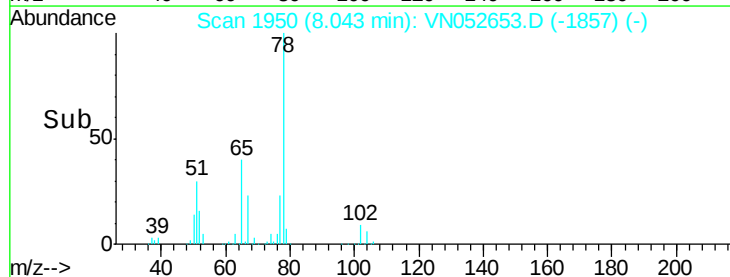
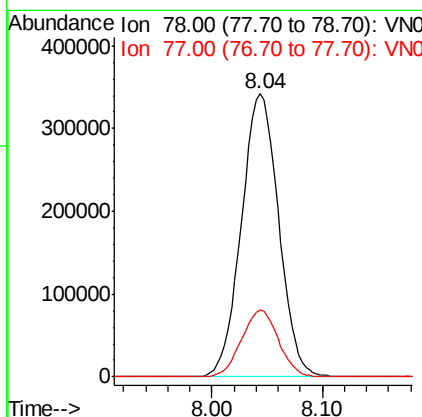
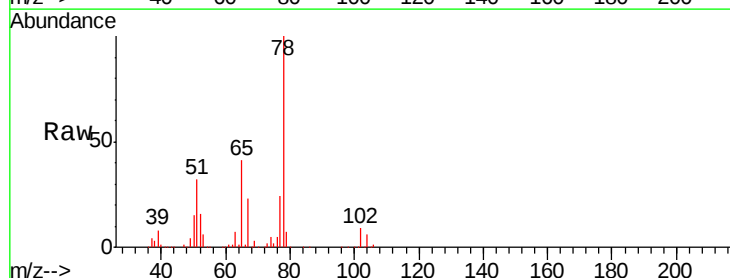
Manual Integrations
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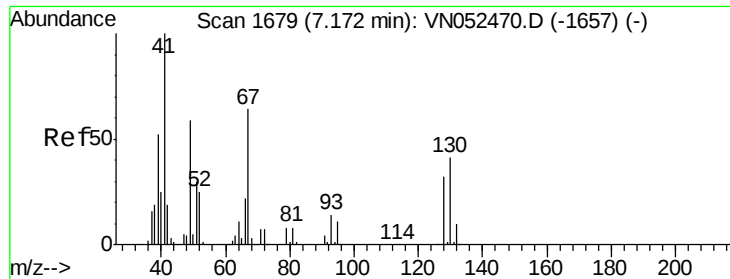
MMDadoda
12/5/2018 9:13:09 AM



#40
Benzene
Concen: 18.986 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	801470		
77	23.6	18.8	28.2	





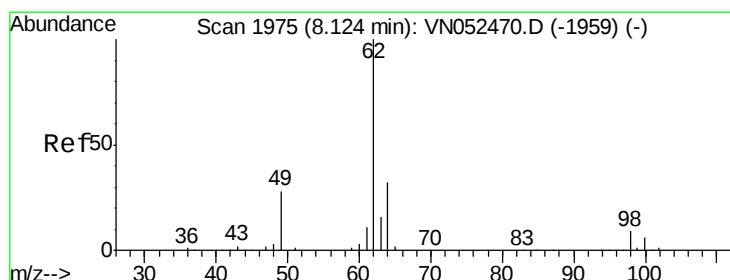
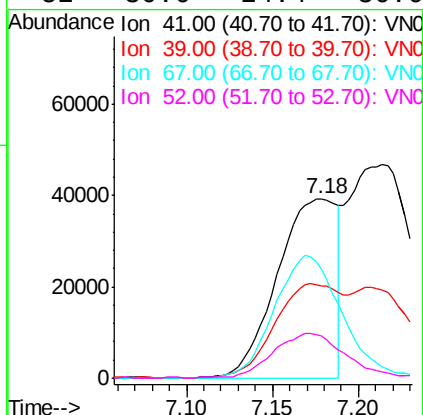
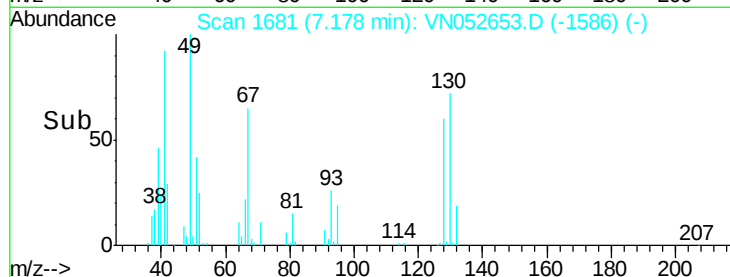
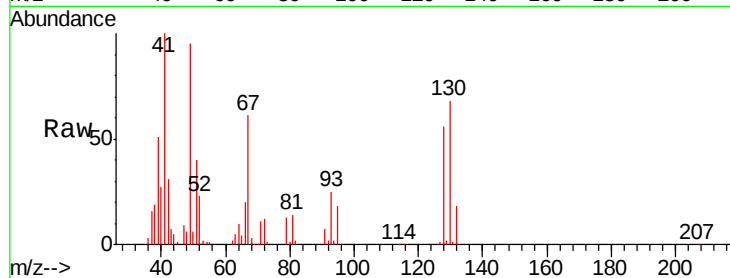
#41
Methacrylonitrile
Concen: 20.000 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	57.2	50.9	76.3
67	78.5	63.6	95.4
52	30.6	24.4	36.6

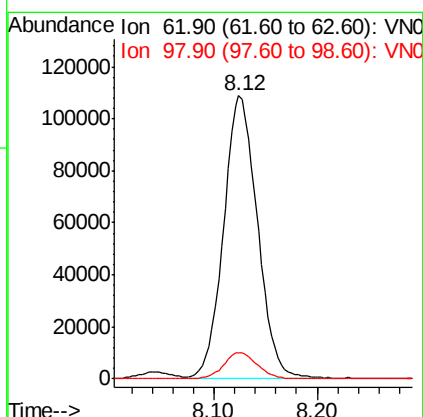
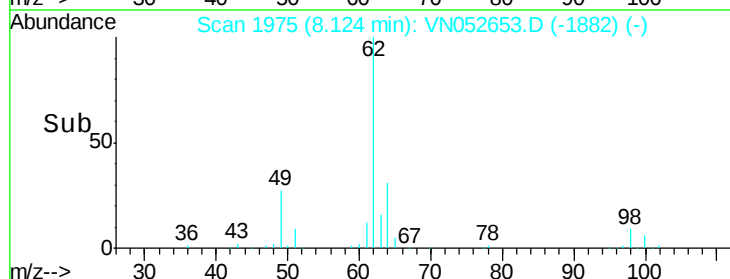
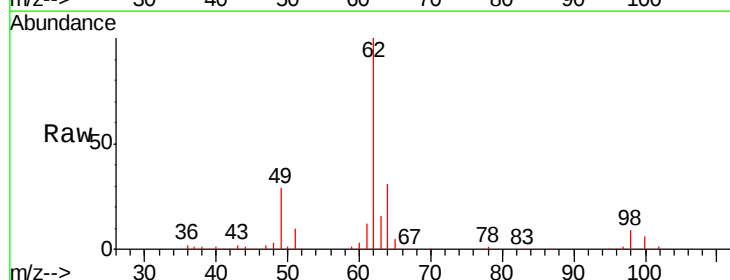
Manual Integrations
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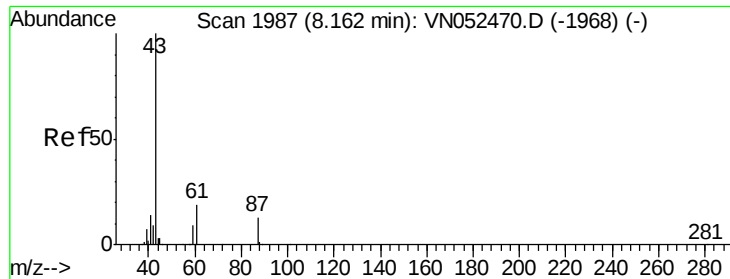
MMDadoda
12/5/2018 9:13:09 AM



#42
1,2-Dichloroethane
Concen: 19.360 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	18.6





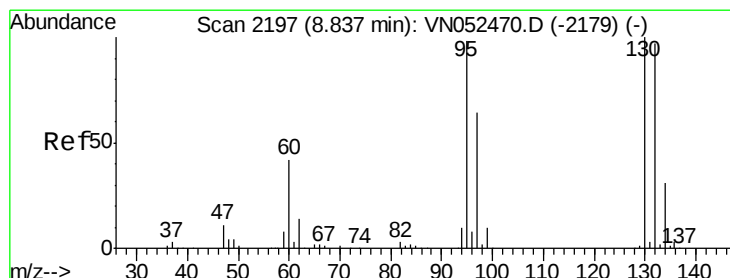
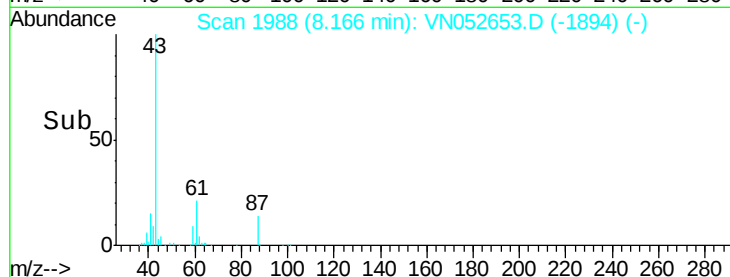
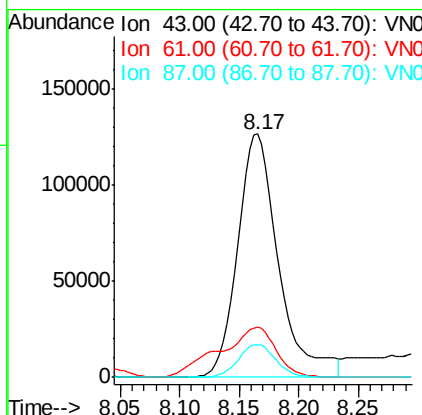
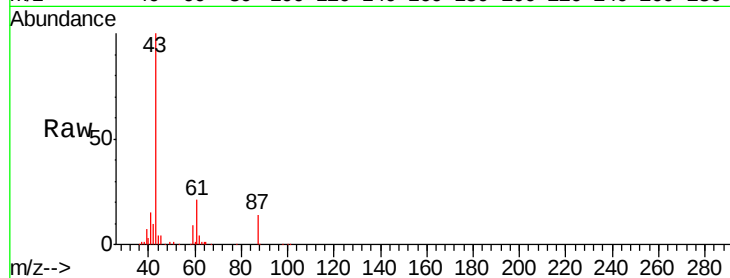
#43
Isopropyl Acetate
Concen: 20.527 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	28.0	24.1	36.1
87	12.5	10.6	15.8

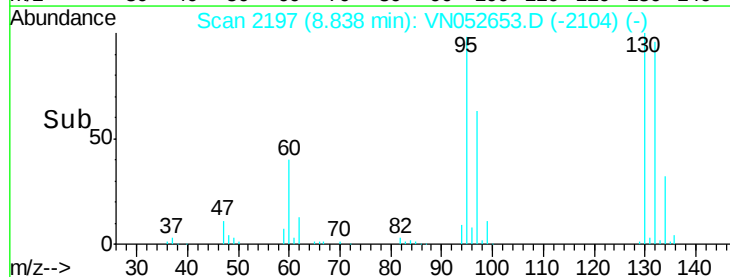
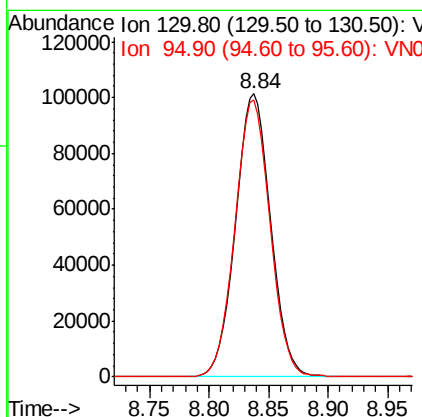
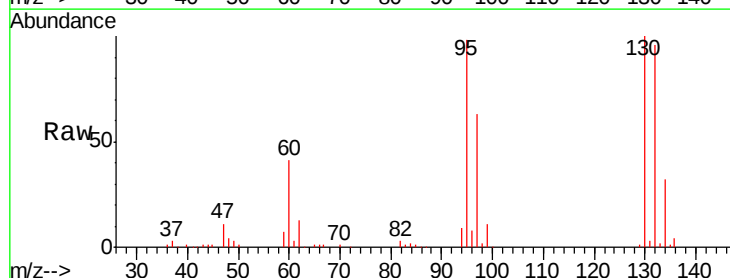
Manual Integrations
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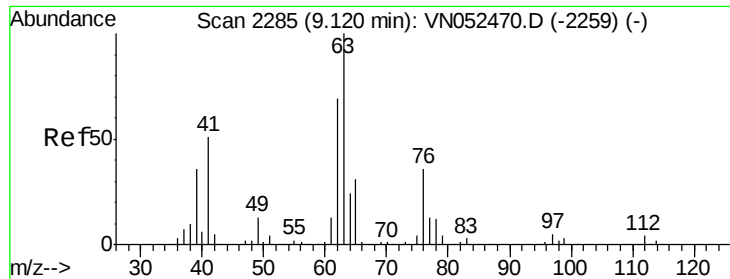
MMDadoda
12/5/2018 9:13:09 AM



#44
Trichloroethene
Concen: 19.139 ug/l
RT: 8.84 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.0	0.0	195.6





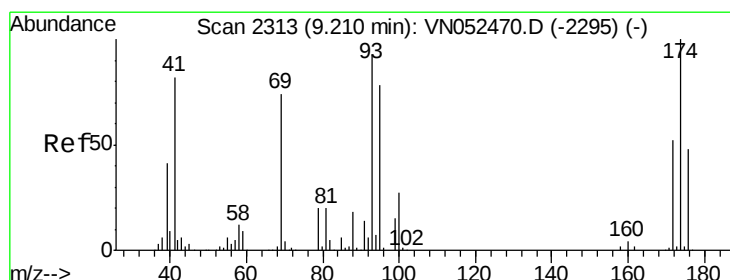
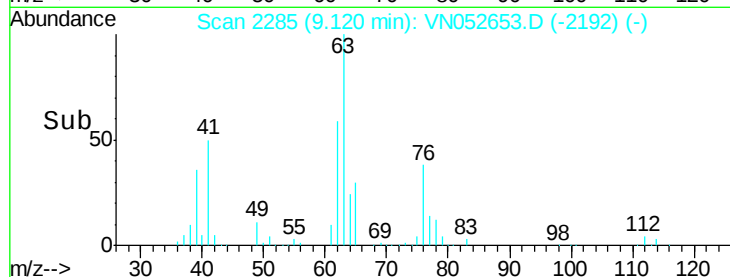
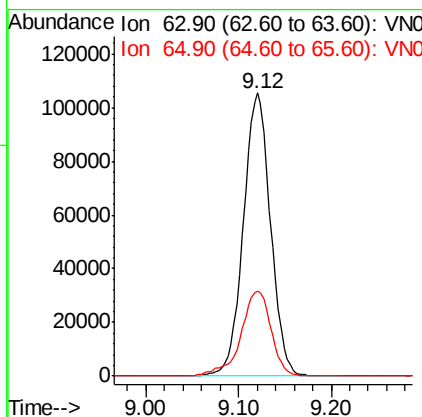
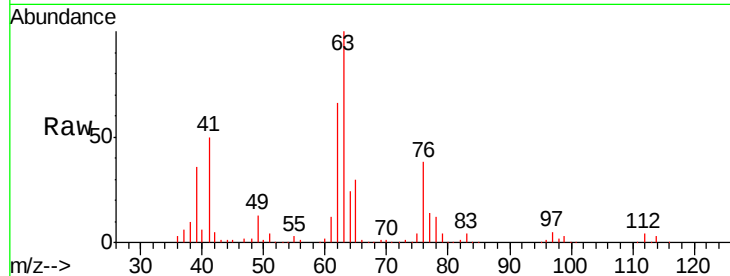
#45
 1,2-Dichloropropane
 Concen: 19.066 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tgt Ion: 63 Resp: 213984
 Ion Ratio Lower Upper
 63 100
 65 30.2 25.0 37.6

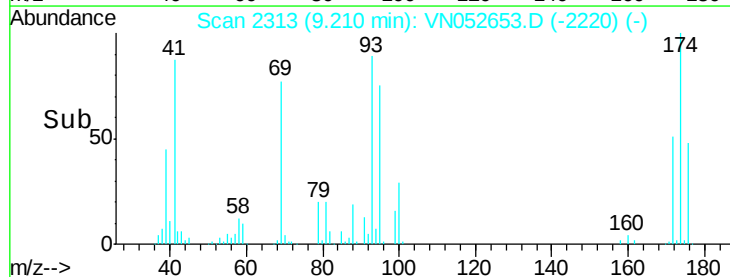
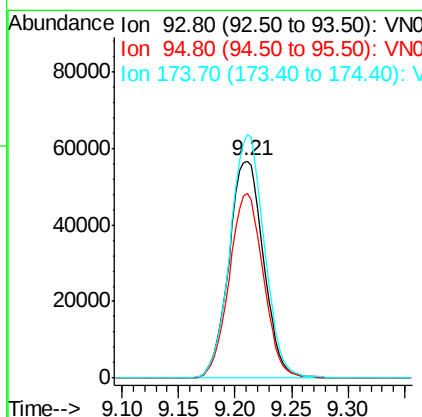
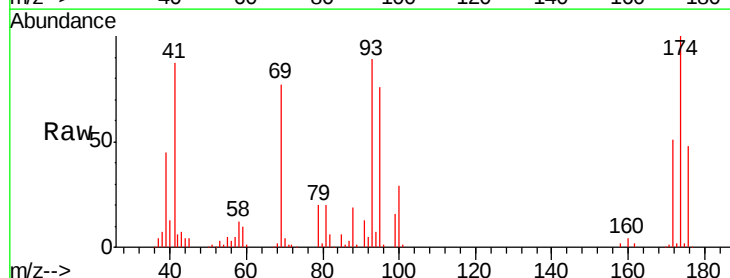
Manual Integrations
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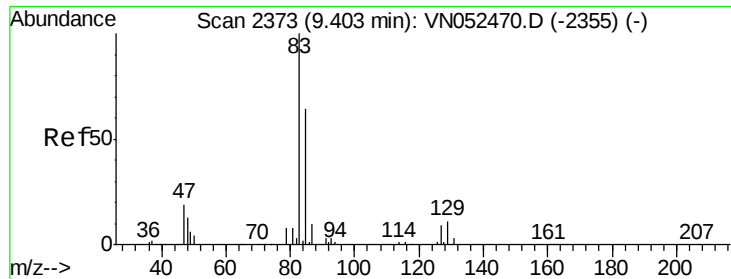
MMDadoda
 12/5/2018 9:13:09 AM



#46
 Dibromomethane
 Concen: 19.513 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion: 93 Resp: 121235
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.1 100.7
 174 110.2 85.8 128.8





#47

Bromodichloromethane

Concen: 19.261 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

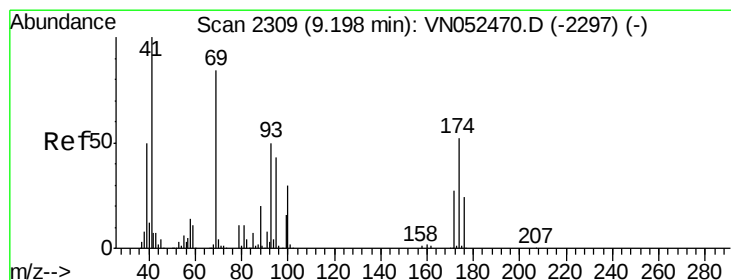
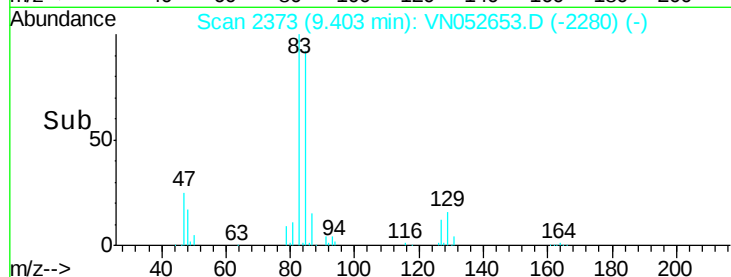
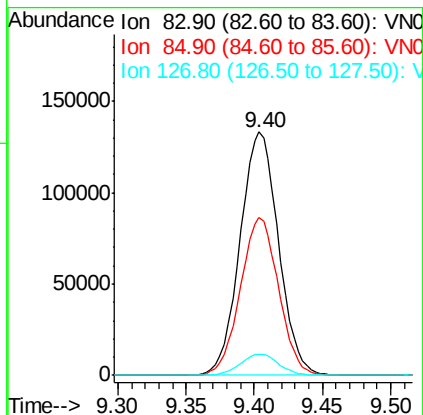
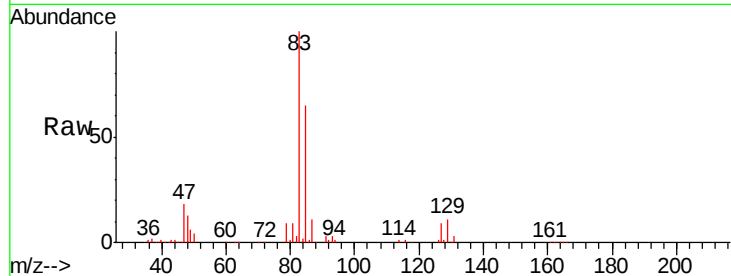
ClientSampleId :

VN1204WBSD01

Tgt Ion:	83	Resp:	260186
Ion Ratio	Lower	Upper	
83	100		
85	64.8	51.3	76.9
127	8.7	6.9	10.3

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#48

Methyl methacrylate

Concen: 18.513 ug/l

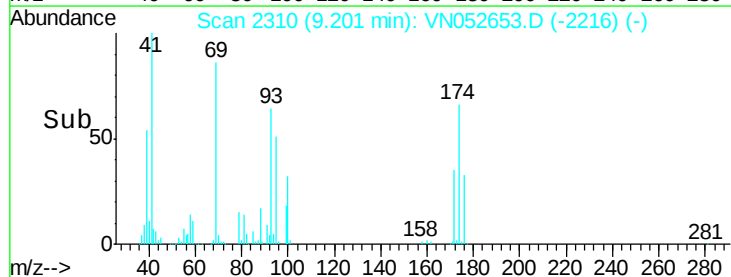
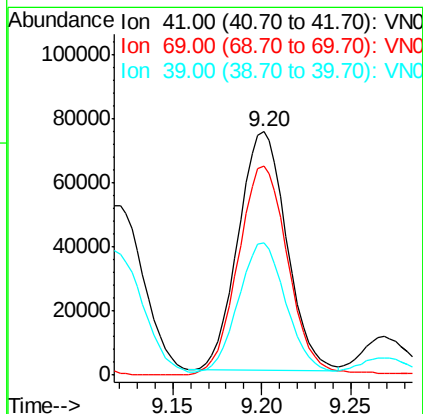
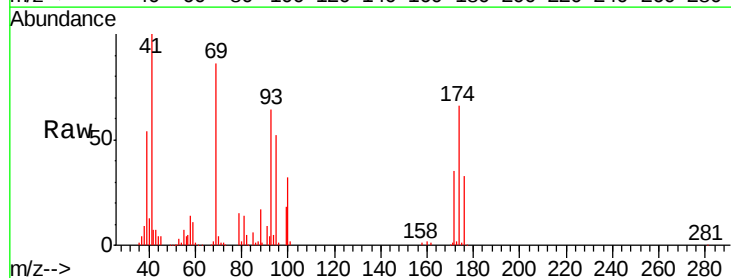
RT: 9.20 min Scan# 2310

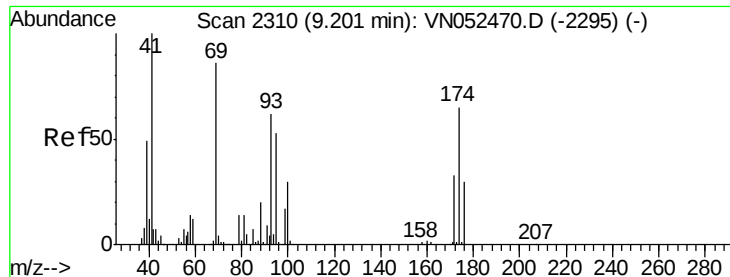
Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion:	41	Resp:	141222
Ion Ratio	Lower	Upper	
41	100		
69	90.9	70.0	105.0
39	55.3	42.6	64.0





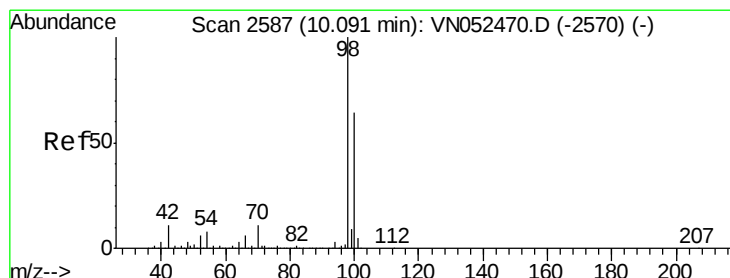
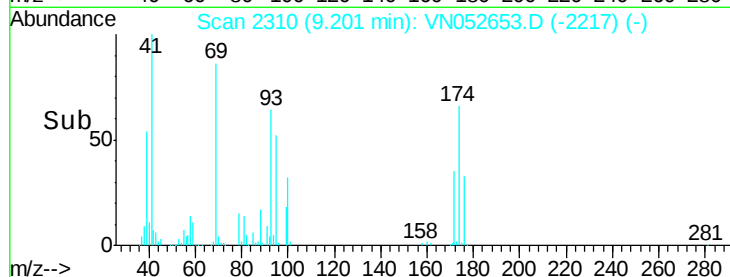
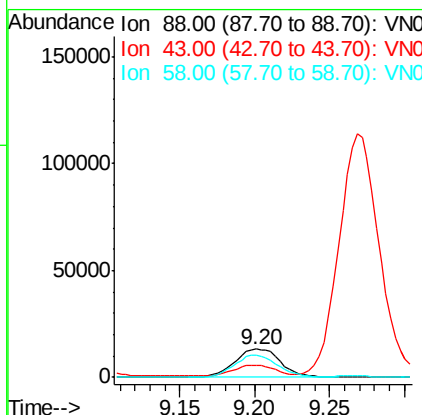
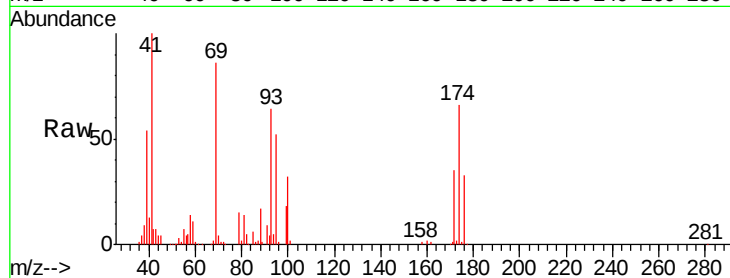
#49
1,4-Dioxane
Concen: 359.234 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.2	26.4	39.6
58	74.3	55.4	83.0

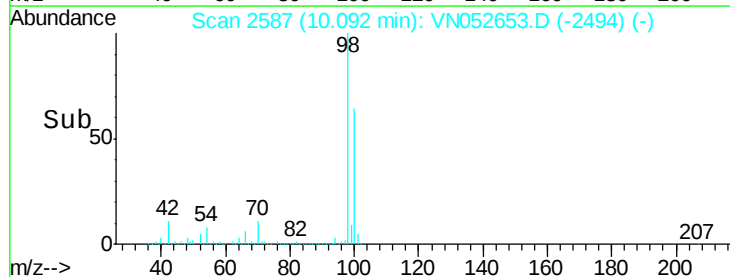
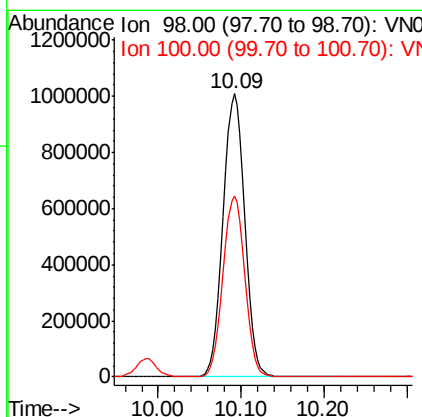
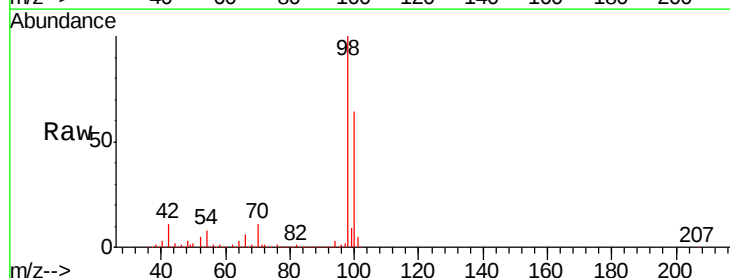
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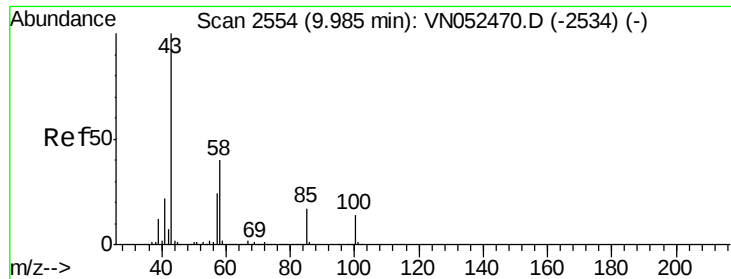
MMDadoda
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#50
Toluene-d8
Concen: 359.234 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.2	51.3	76.9





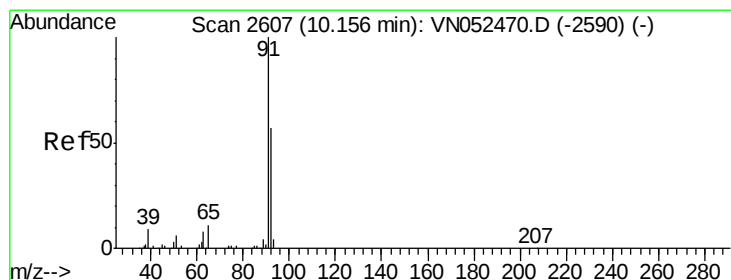
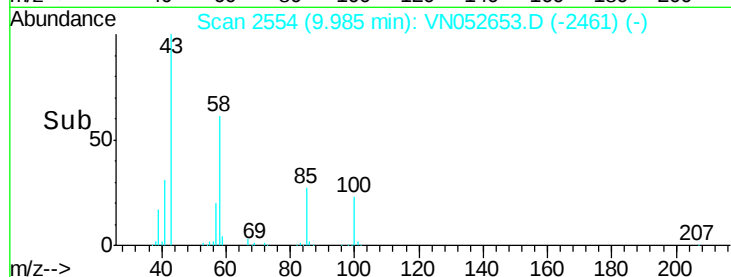
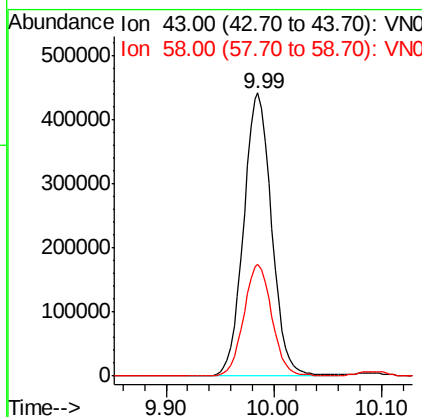
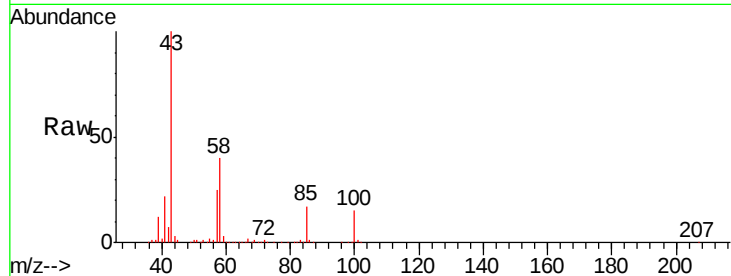
#51
 4-Methyl-2-Pentanone
 Concen: 96.498 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tgt Ion: 43 Resp: 792076
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.5 47.3

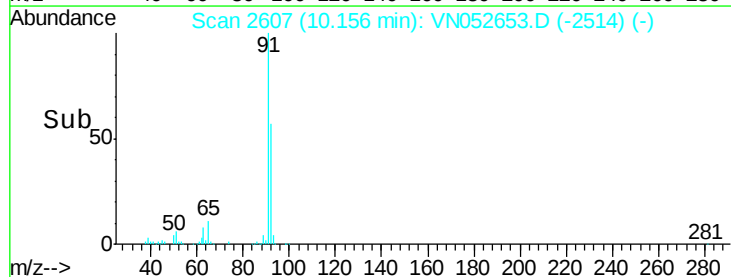
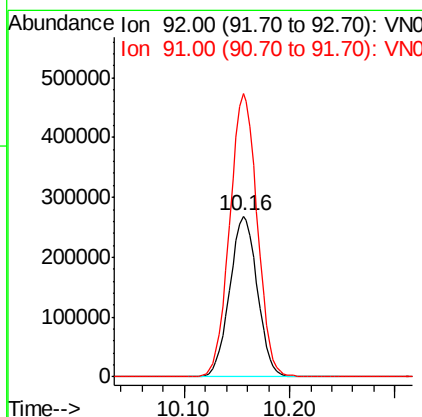
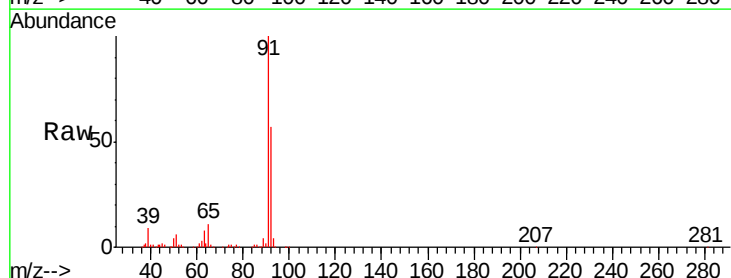
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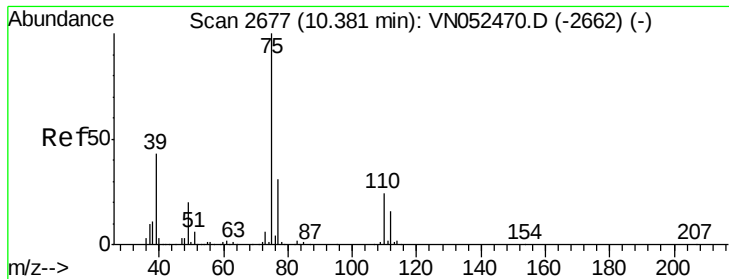
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#52
 Toluene
 Concen: 19.353 ug/l
 RT: 10.16 min Scan# 2607
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion: 92 Resp: 485401
 Ion Ratio Lower Upper
 92 100
 91 176.0 141.0 211.4





#53

t-1,3-Dichloropropene

Concen: 19.076 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 75 Resp: 247890

Ion Ratio Lower Upper

75 100

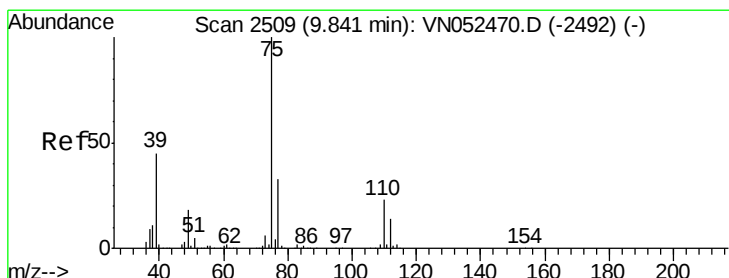
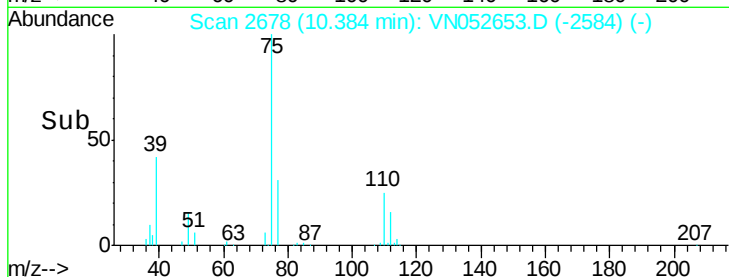
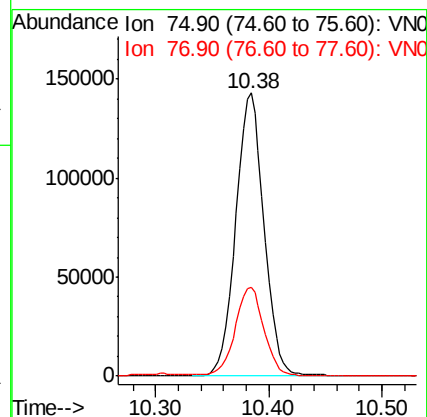
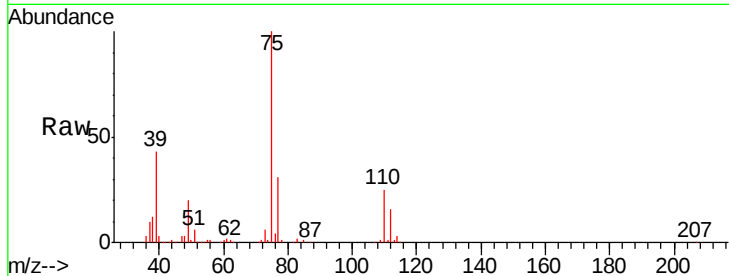
77 31.1 25.0 37.4

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#54

cis-1,3-Dichloropropene

Concen: 19.217 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

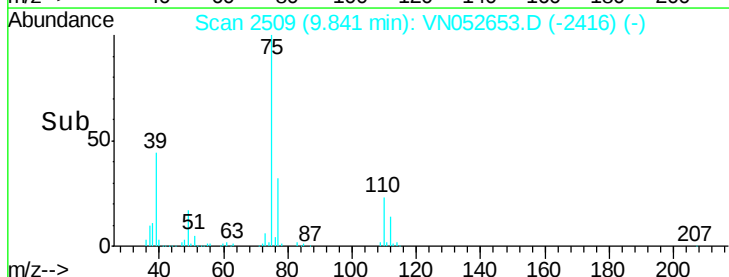
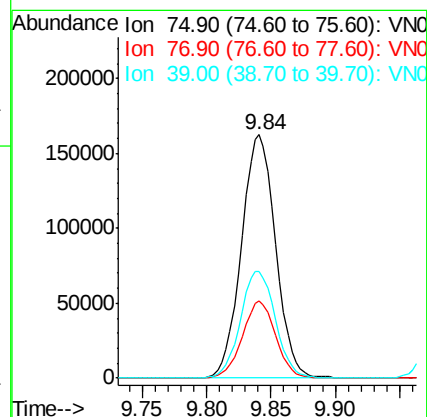
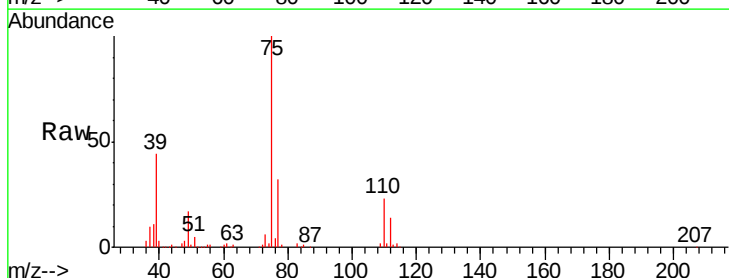
Tgt Ion: 75 Resp: 299266

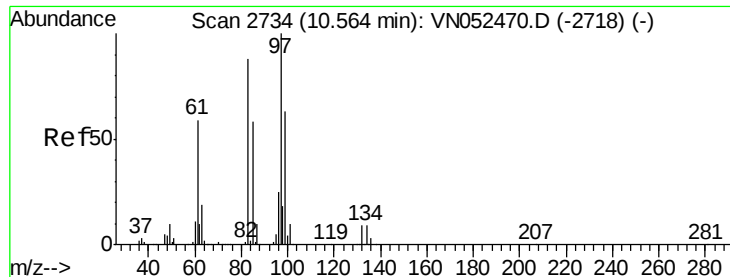
Ion Ratio Lower Upper

75 100

77 31.6 26.2 39.2

39 43.4 36.0 54.0





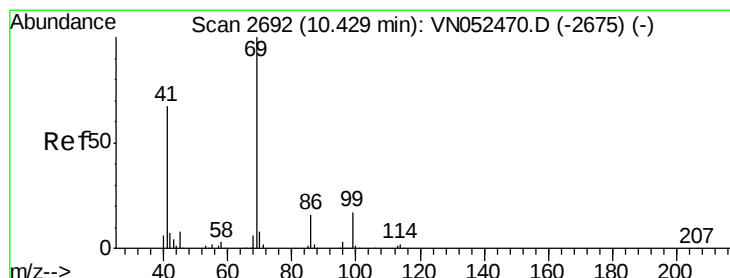
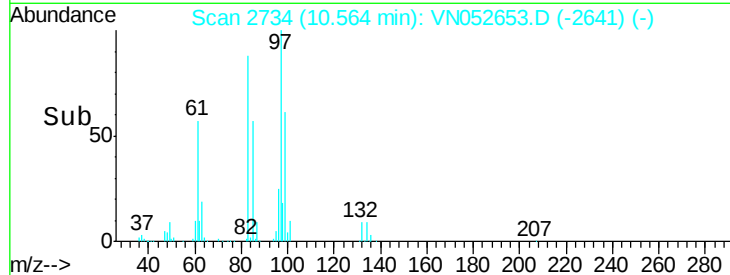
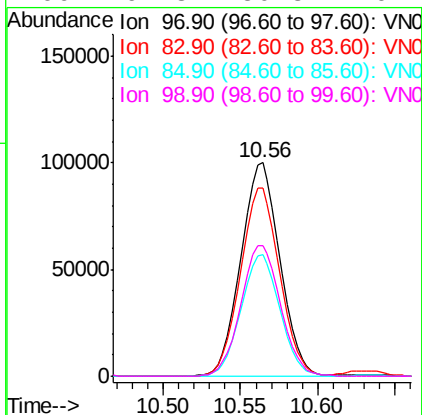
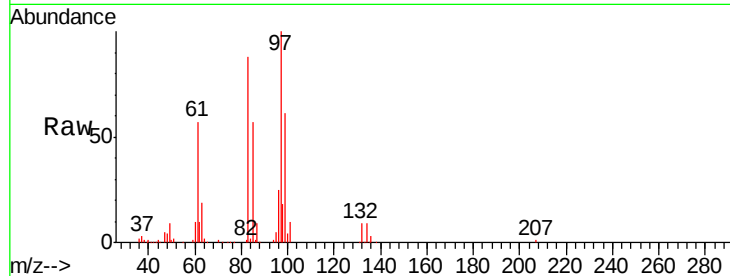
#55
 1,1,2-Trichloroethane
 Concen: 19.962 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.8	70.7	106.1
85	56.9	46.1	69.1
99	61.3	50.8	76.2

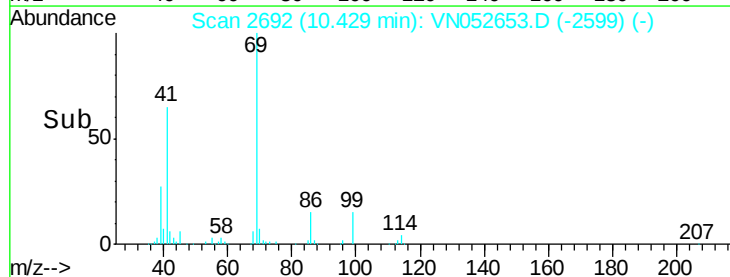
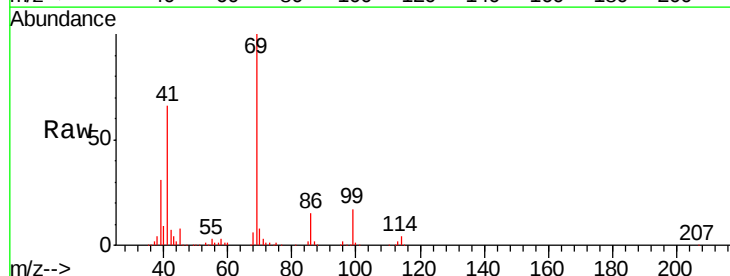
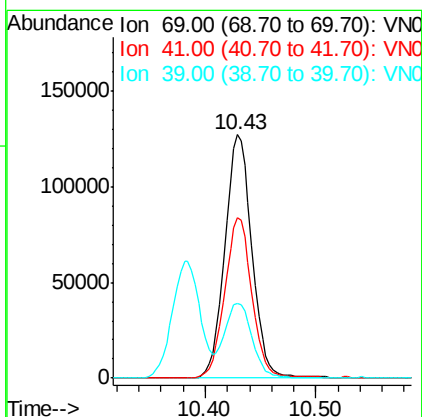
Manual Integrations
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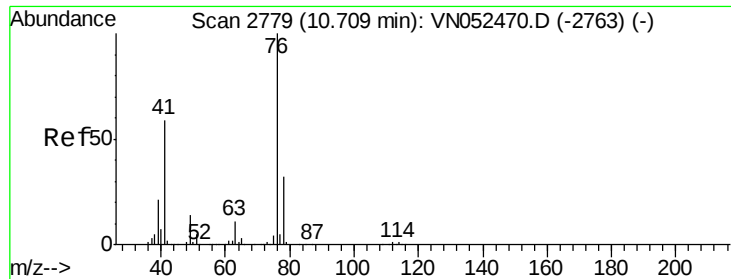
MMDadoda
 12/5/2018 9:13:09 AM



#56
 Ethyl methacrylate
 Concen: 19.402 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
69	100		
41	65.1	52.6	79.0
39	31.3	25.9	38.9





#57

1,3-Dichloropropane

Concen: 19.278 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 76 Resp: 300314

Ion Ratio Lower Upper

76 100

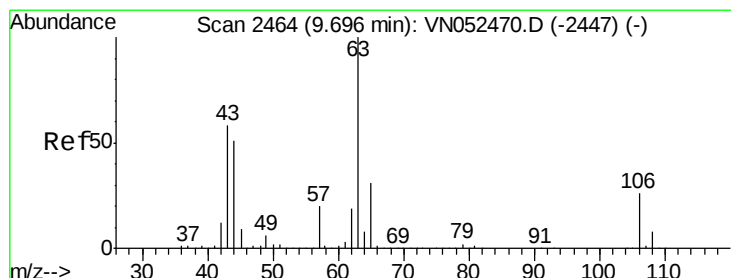
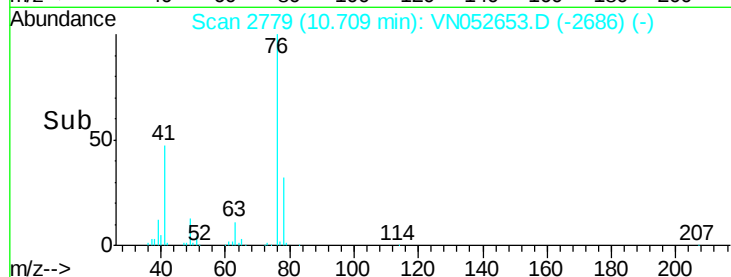
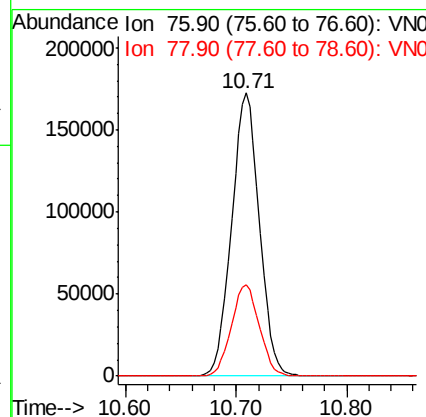
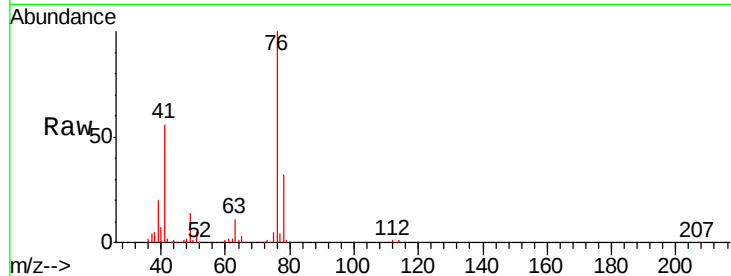
78 32.6 25.6 38.4

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 96.160 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN052653.D

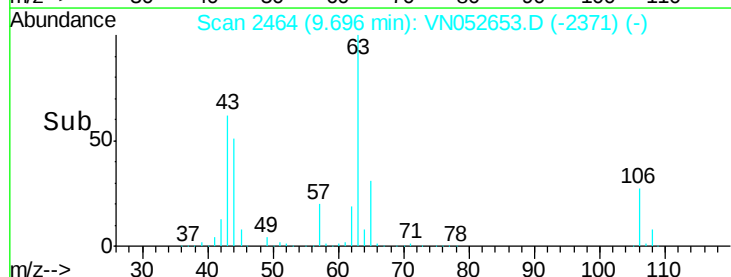
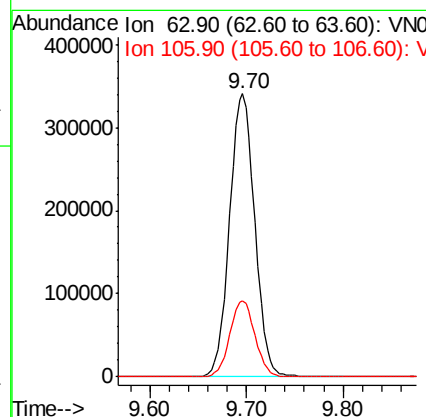
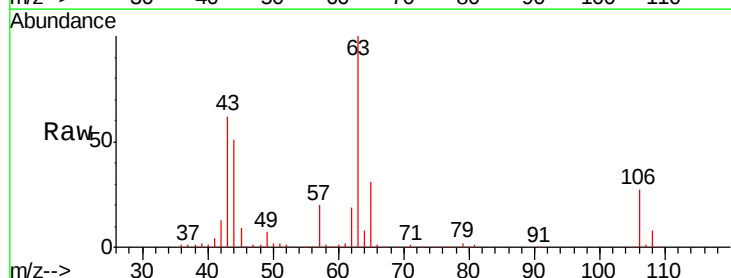
Acq: 4 Dec 2018 14:40

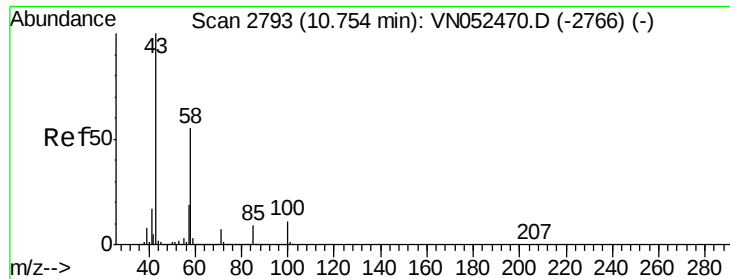
Tgt Ion: 63 Resp: 615600

Ion Ratio Lower Upper

63 100

106 26.8 20.6 30.8





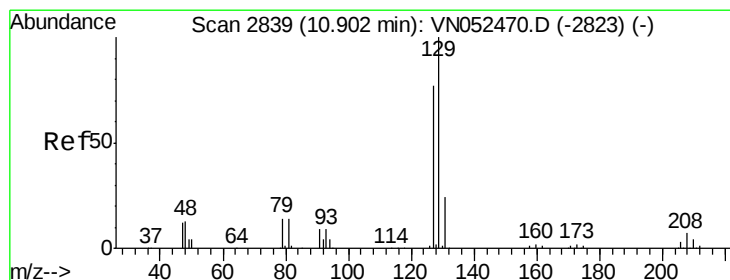
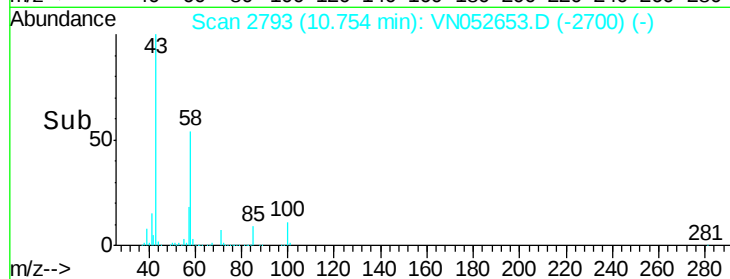
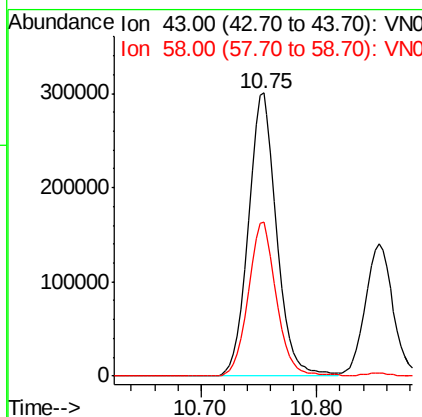
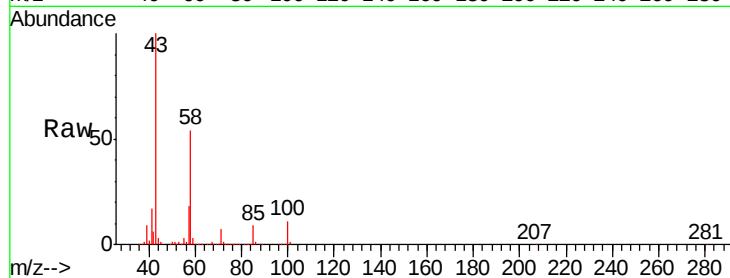
#59
2-Hexanone
Concen: 92.737 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion: 43 Resp: 510884
Ion Ratio Lower Upper
43 100
58 54.2 27.4 82.0

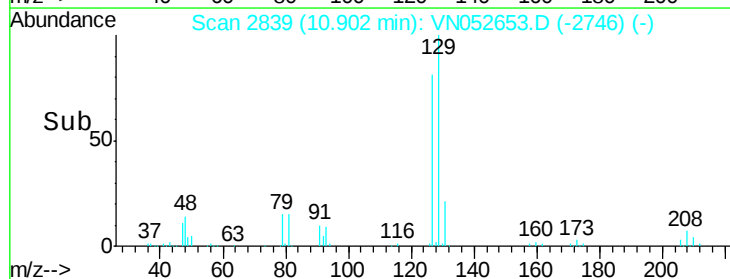
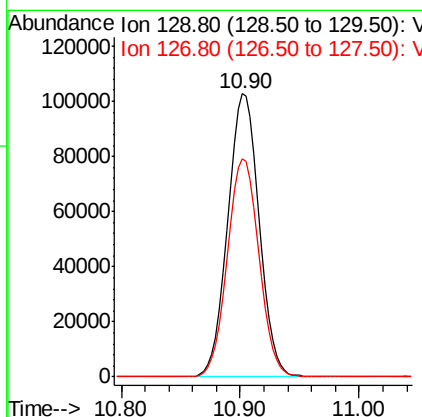
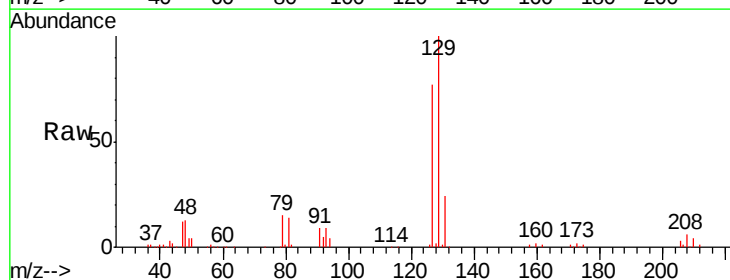
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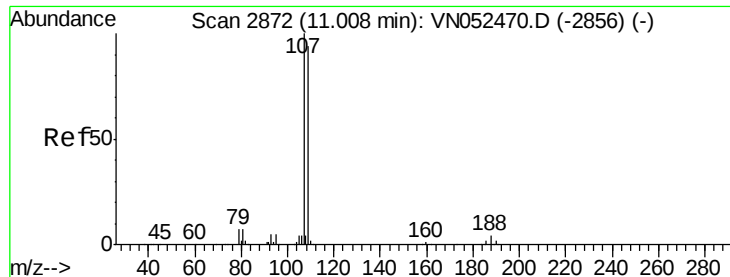
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#60
Dibromochloromethane
Concen: 19.601 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion: 129 Resp: 187816
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.6





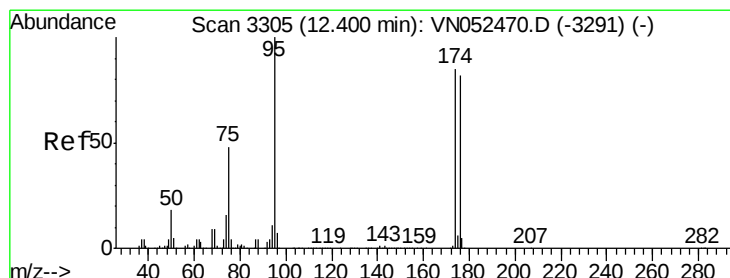
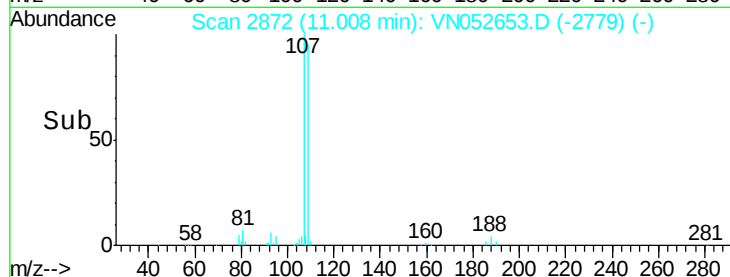
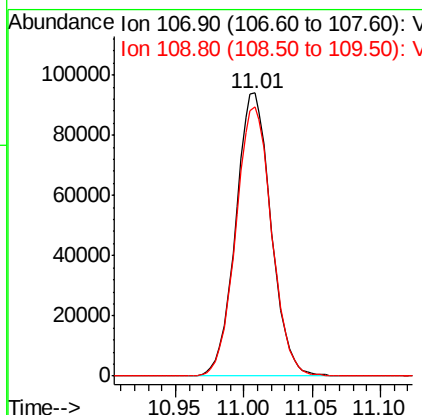
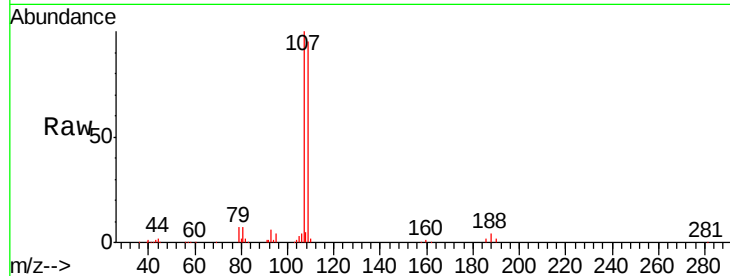
#61
 1,2-Dibromoethane
 Concen: 19.251 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tgt Ion: 107 Resp: 168690
 Ion Ratio Lower Upper
 107 100
 109 96.5 75.6 113.4

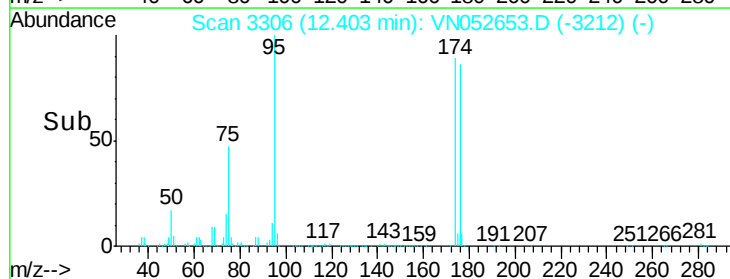
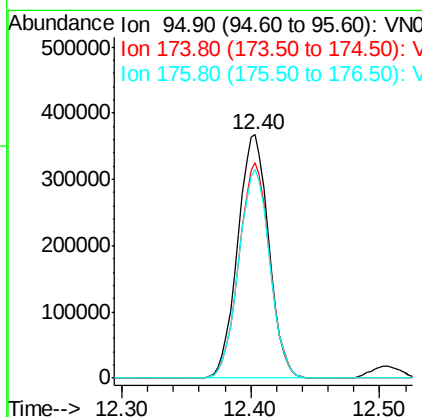
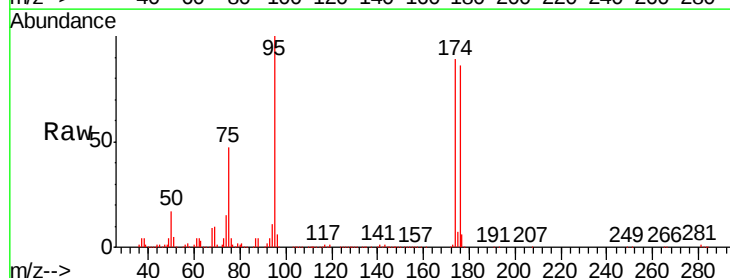
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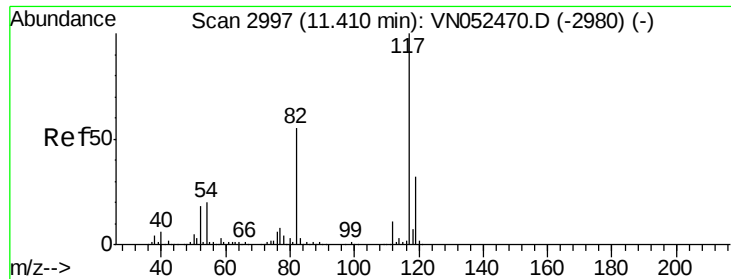
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#62
 4-Bromofluorobenzene
 Concen: 19.251 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion: 95 Resp: 615824
 Ion Ratio Lower Upper
 95 100
 174 87.5 0.0 173.0
 176 85.8 0.0 166.2





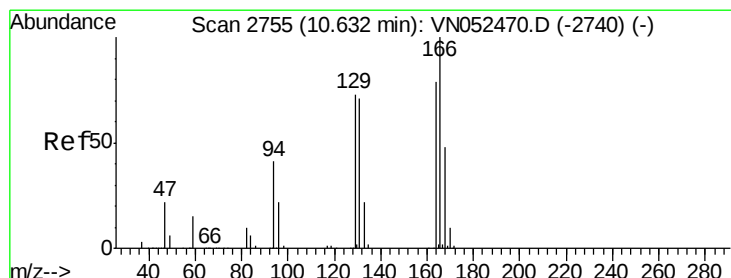
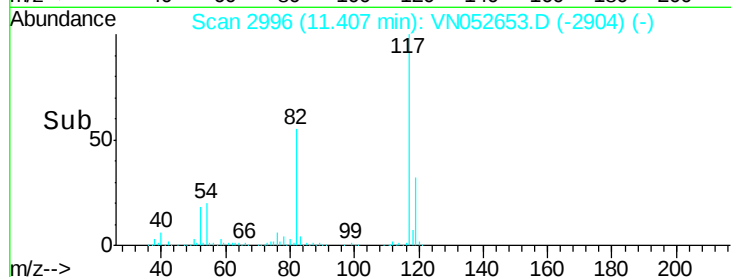
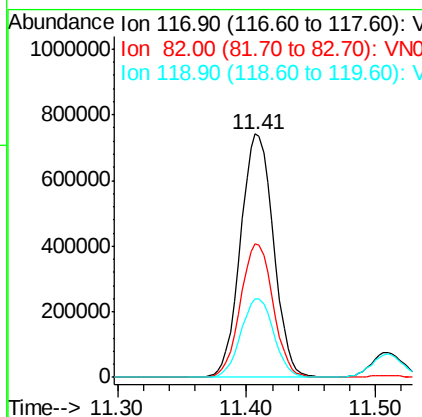
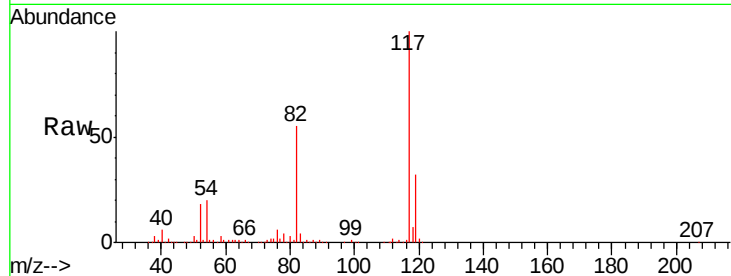
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion:117 Resp: 1319940
Ion Ratio Lower Upper
117 100
82 54.8 43.6 65.4
119 32.5 25.4 38.2

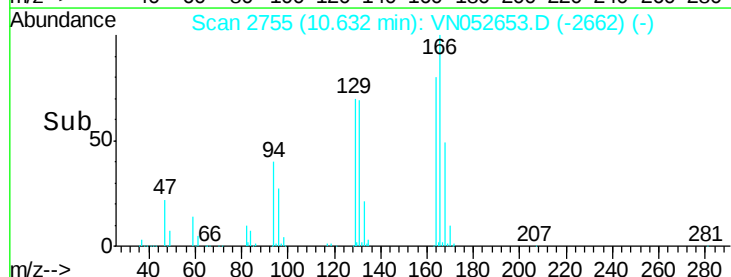
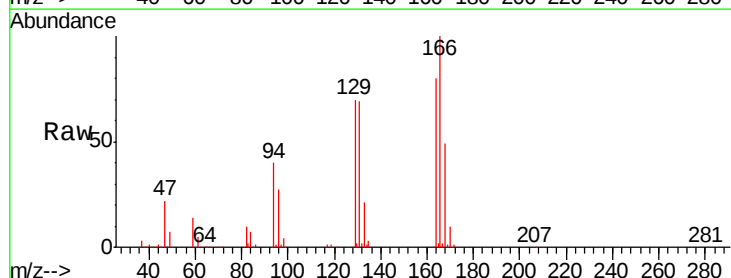
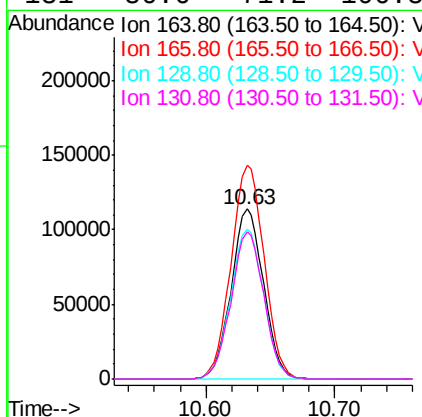
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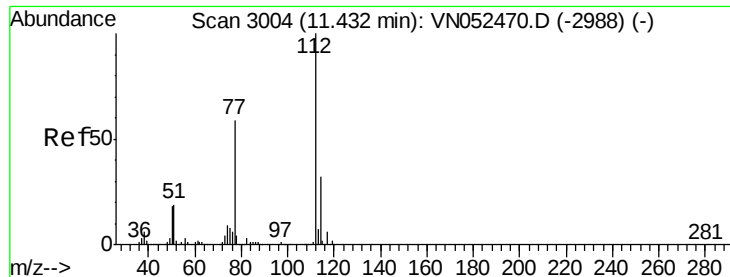
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#64
Tetrachloroethene
Concen: 19.361 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion:164 Resp: 198142
Ion Ratio Lower Upper
164 100
166 125.6 101.0 151.4
129 88.3 73.8 110.6
131 86.6 71.2 106.8





#65

Chlorobenzene

Concen: 19.303 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampled :

VN1204WBSD01

Tgt Ion:112 Resp: 525370

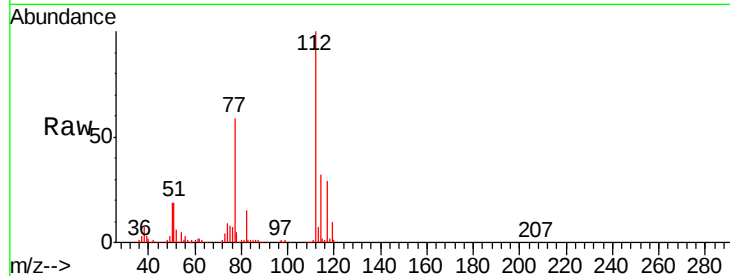
Ion Ratio Lower Upper

112 100

114 32.0 25.8 38.6

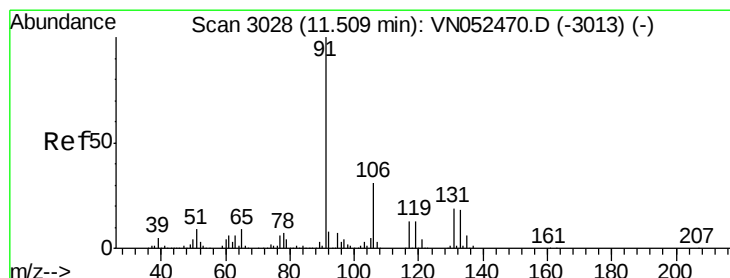
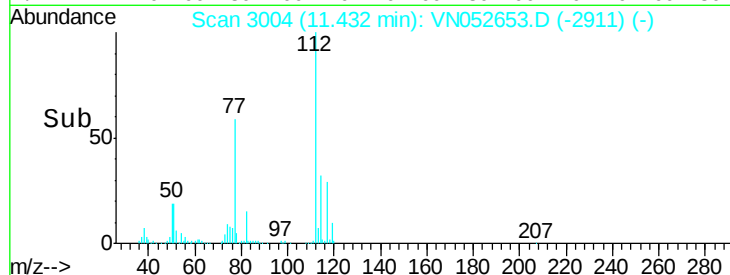
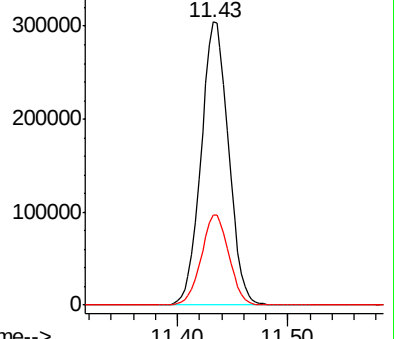
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.955 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

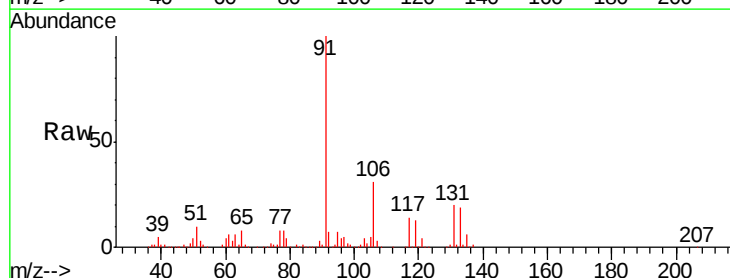
Tgt Ion:131 Resp: 188846

Ion Ratio Lower Upper

131 100

133 95.3 47.6 142.8

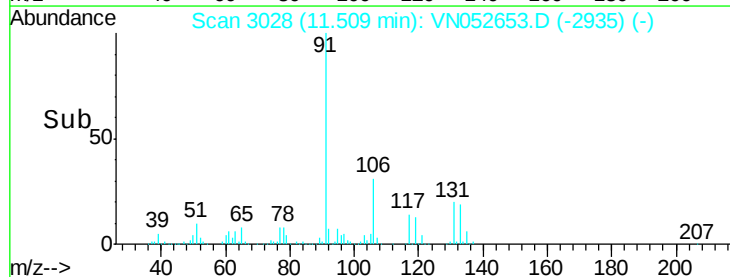
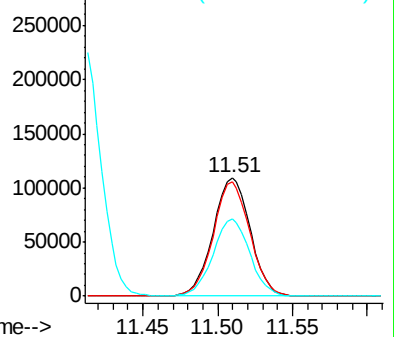
119 64.7 33.2 99.6

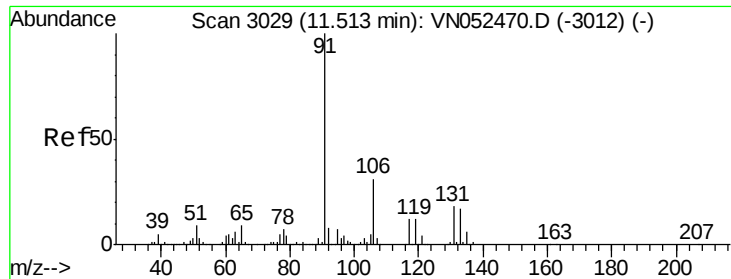


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 19.127 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 91 Resp: 911622

Ion Ratio Lower Upper

91 100

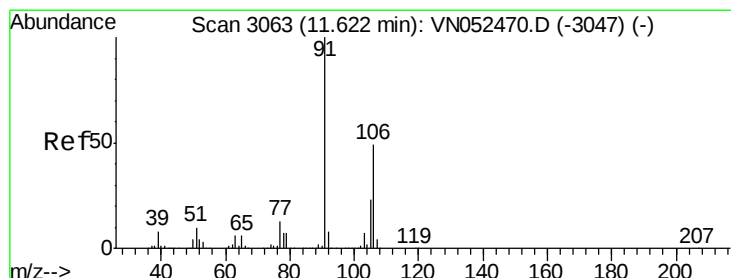
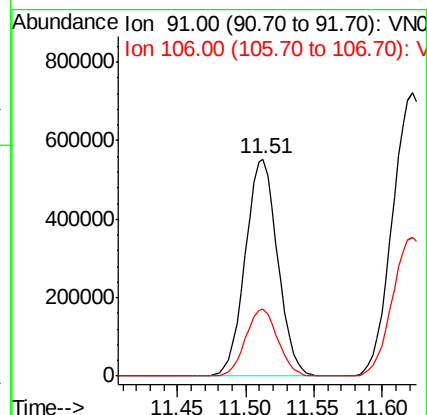
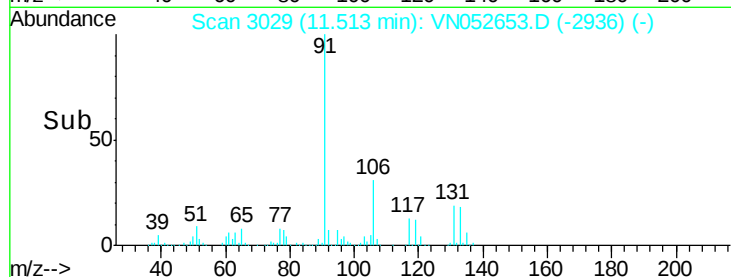
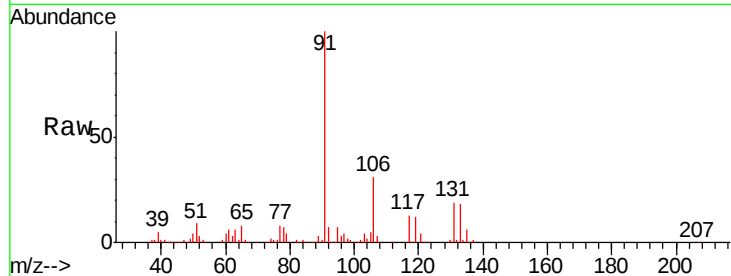
106 30.7 24.9 37.3

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#68

m/p-Xylenes

Concen: 38.761 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN052653.D

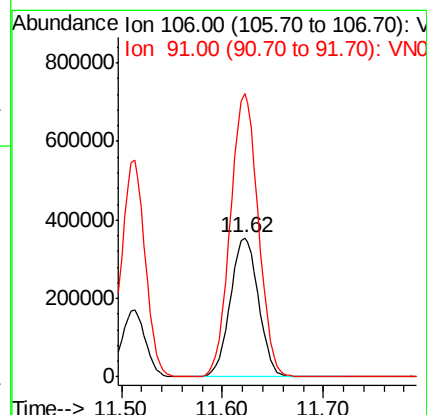
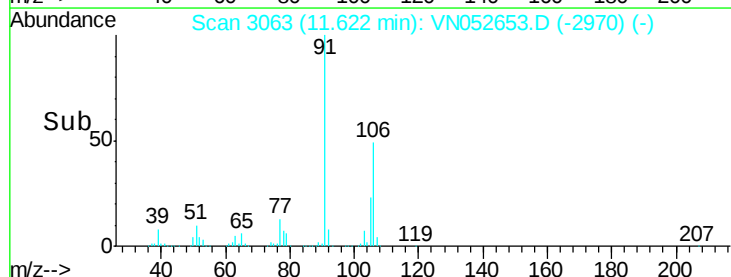
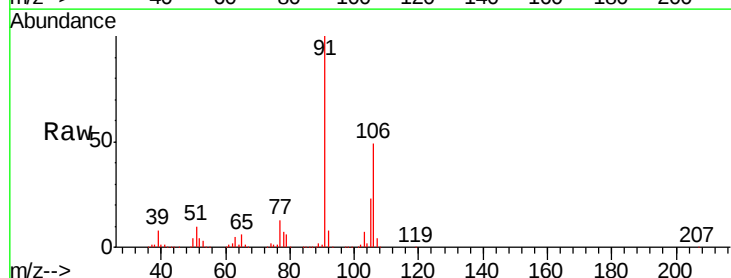
Acq: 4 Dec 2018 14:40

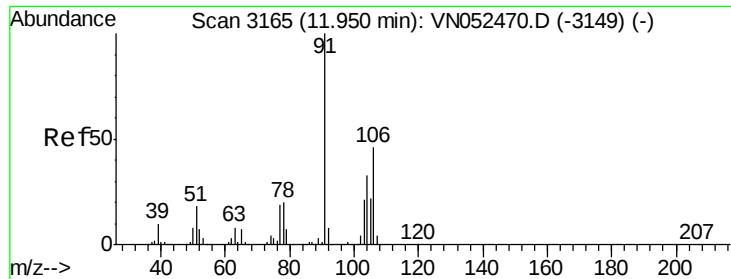
Tgt Ion: 106 Resp: 687750

Ion Ratio Lower Upper

106 100

91 202.5 163.2 244.8





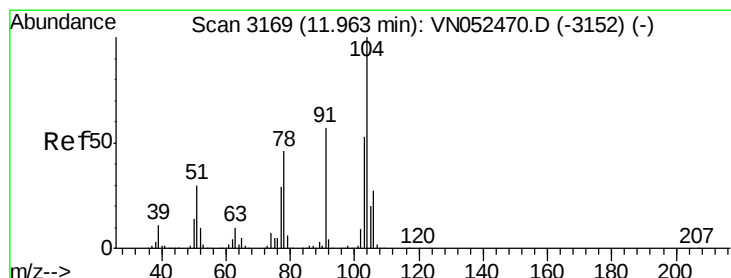
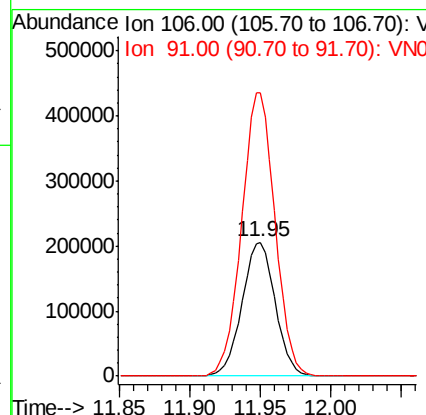
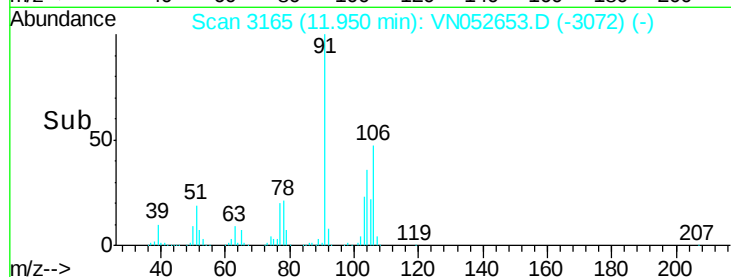
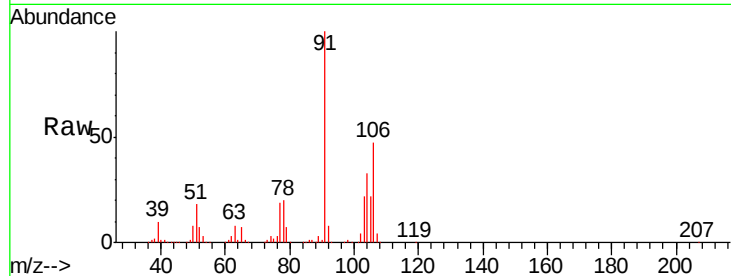
#69
o-Xylene
Concen: 19.665 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion:106 Resp: 338835
Ion Ratio Lower Upper
106 100
91 212.6 107.7 323.1

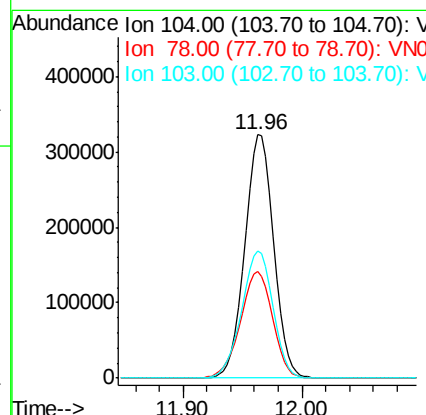
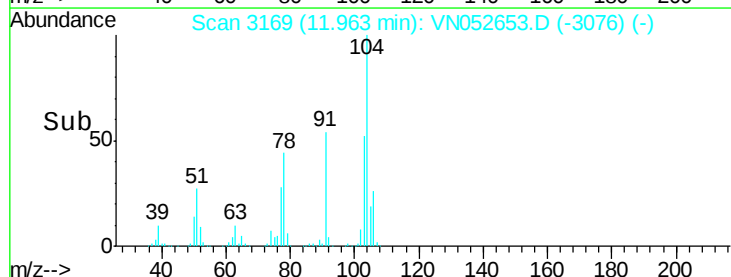
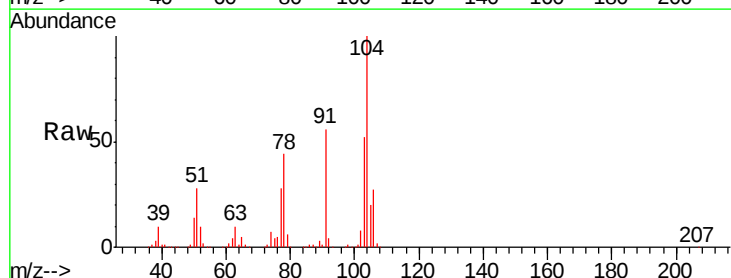
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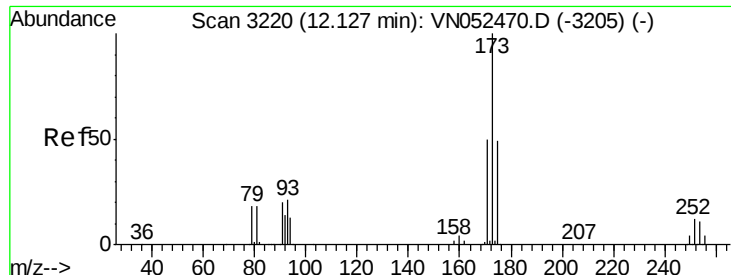
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#70
Styrene
Concen: 19.827 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion:104 Resp: 544114
Ion Ratio Lower Upper
104 100
78 48.6 39.4 59.2
103 56.7 44.9 67.3





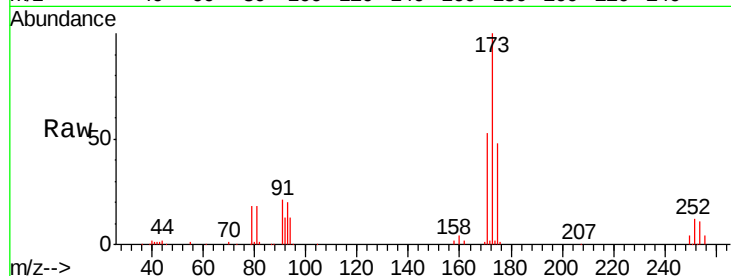
#71
Bromoform
Concen: 19.911 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

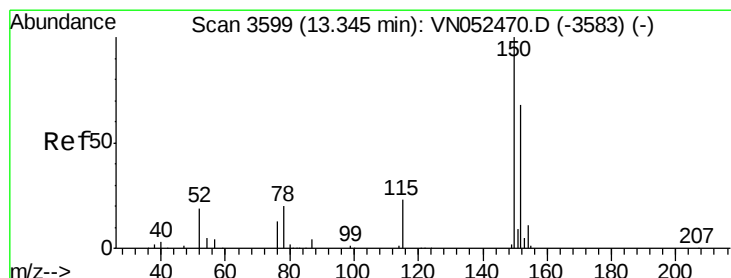
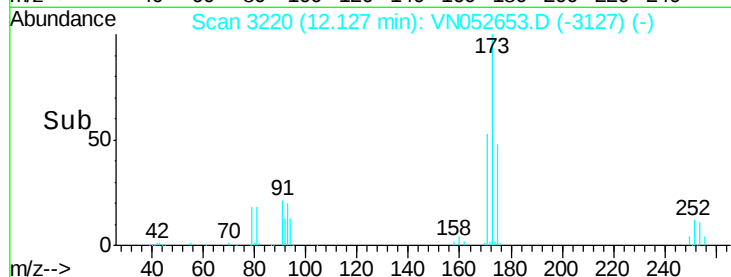
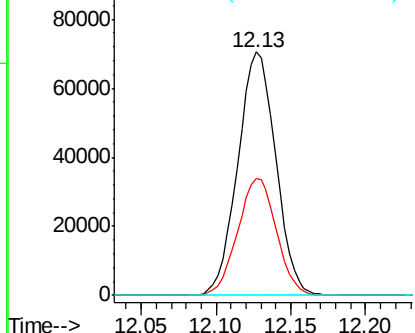
Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.4	73.2
254	0.0	0.1	0.1#

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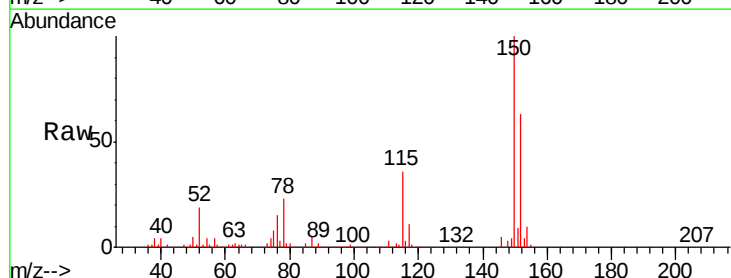


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

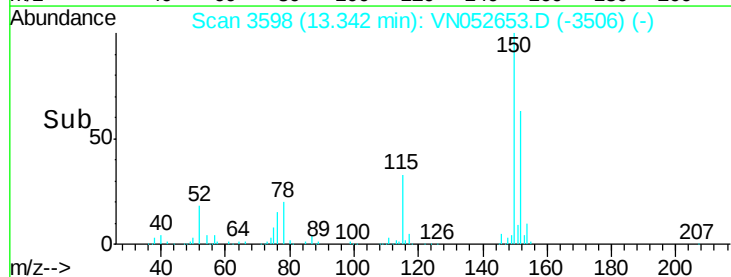
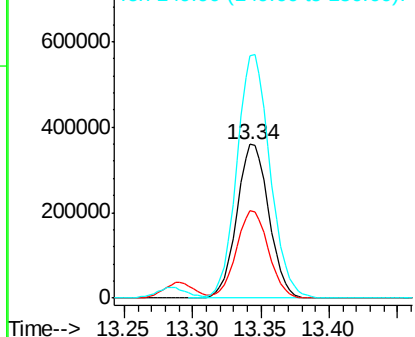


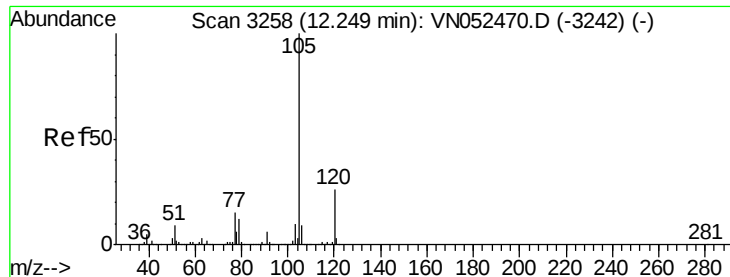
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.4	85.2
150	163.7	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.660 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 105 Resp: 904203

Ion Ratio Lower Upper

105 100

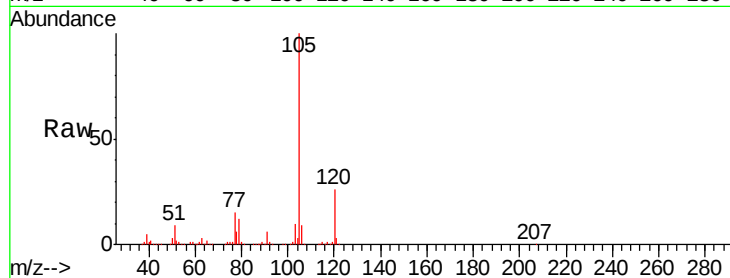
120 26.2 13.1 39.3

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

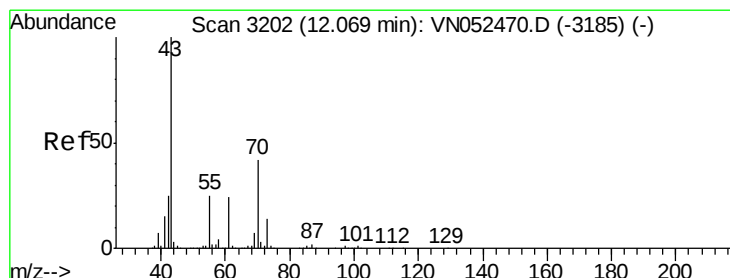
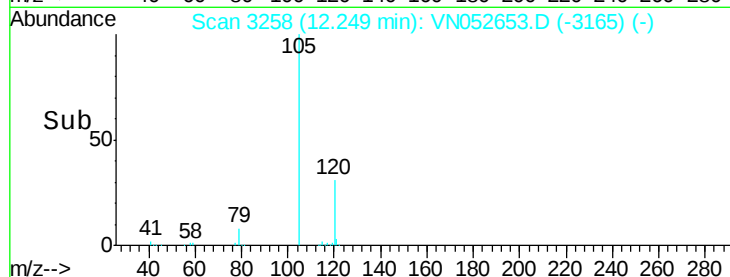
200000

100000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 18.814 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion: 43 Resp: 218607

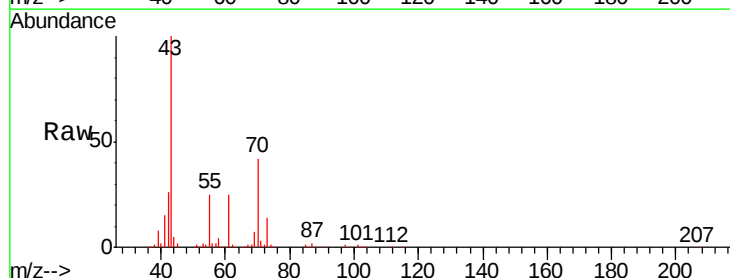
Ion Ratio Lower Upper

43 100

70 41.7 33.8 50.8

55 25.9 20.0 30.0

61 24.7 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

200000

150000

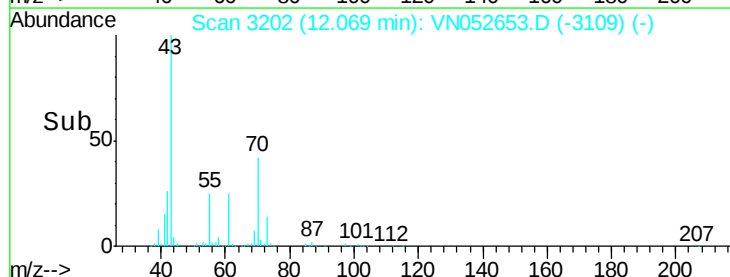
100000

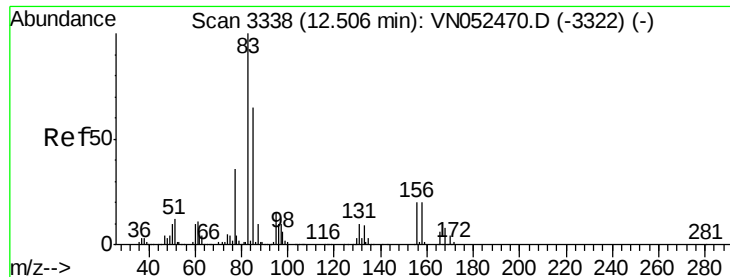
50000

0

12.00 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.967 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

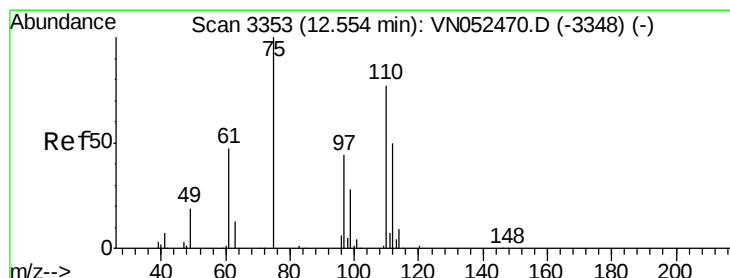
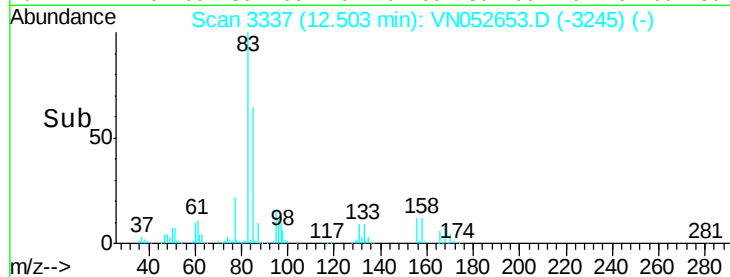
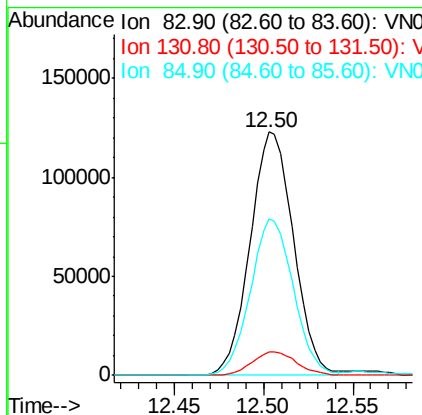
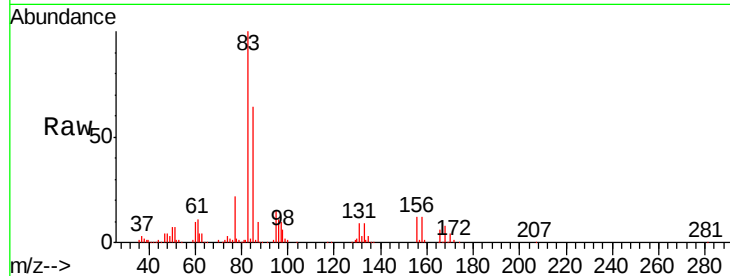
ClientSampleId :

VN1204WBSD01

Tgt Ion:	83	Resp:	208898
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.0	15.0
85	63.8	31.9	95.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 19.313 ug/l m

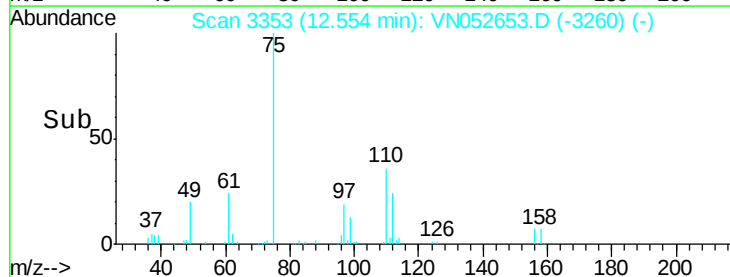
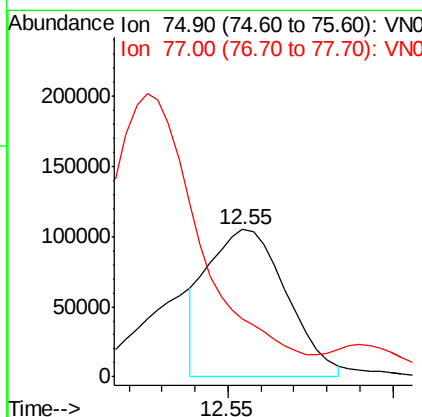
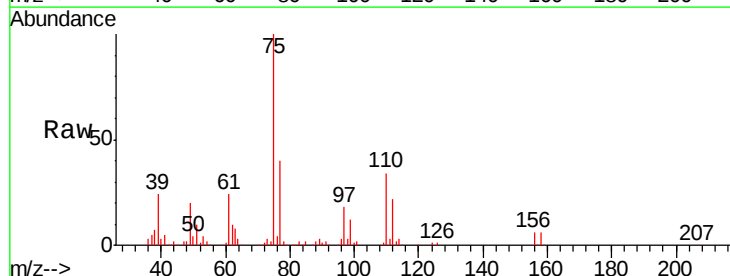
RT: 12.55 min Scan# 3353

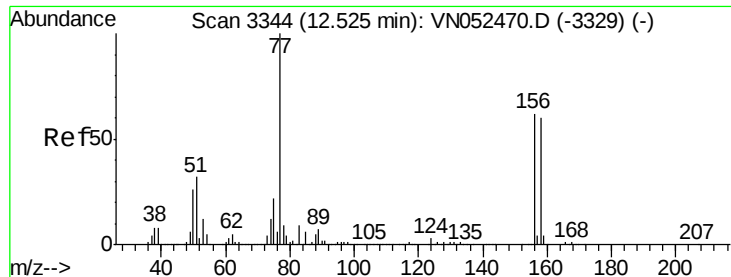
Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion:	75	Resp:	174581
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.620 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

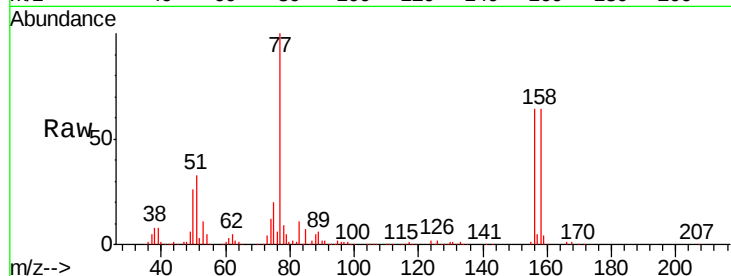
ClientSampled :

VN1204WBSD01

Tgt Ion:	156	Resp:	223041
Ion Ratio	Lower	Upper	
156	100		
77	183.4	93.5	280.4
158	98.9	48.3	144.9

Manual Integrations
APPROVED

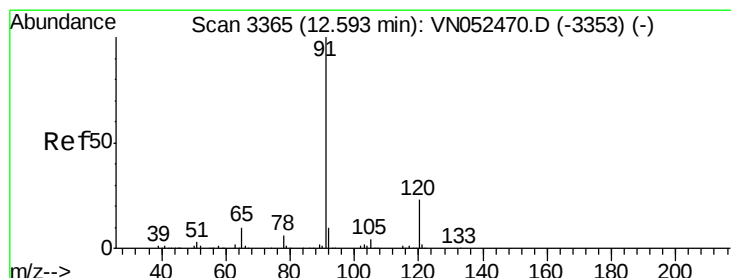
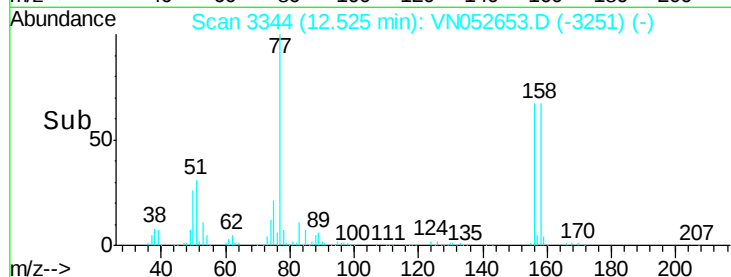
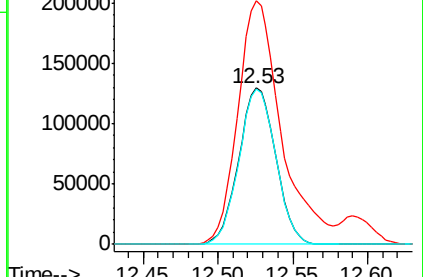
MMDadoda
12/5/2018 9:13:09 AM



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: 19.429 ug/l

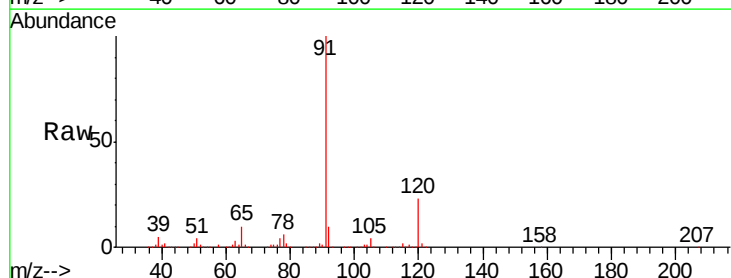
RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN052653.D

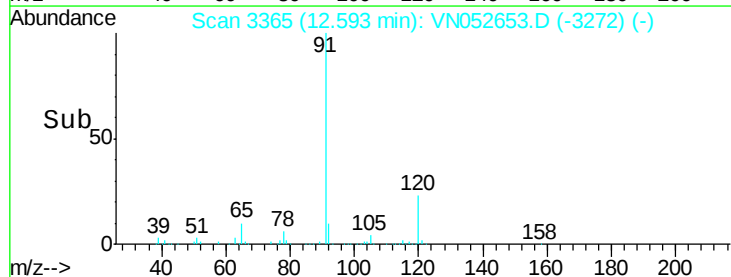
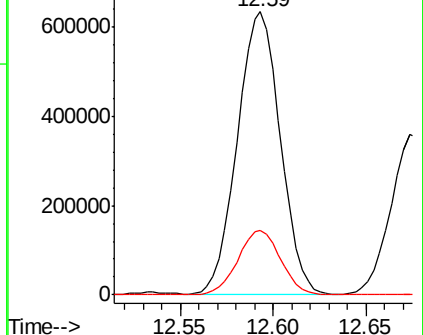
Acq: 4 Dec 2018 14:40

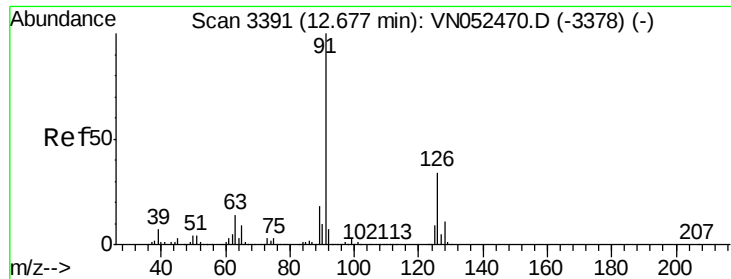
Tgt Ion:	91	Resp:	1015145
Ion Ratio	Lower	Upper	
91	100		
120	22.7	11.3	33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.243 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion: 91 Resp: 598714

Ion Ratio Lower Upper

91 100

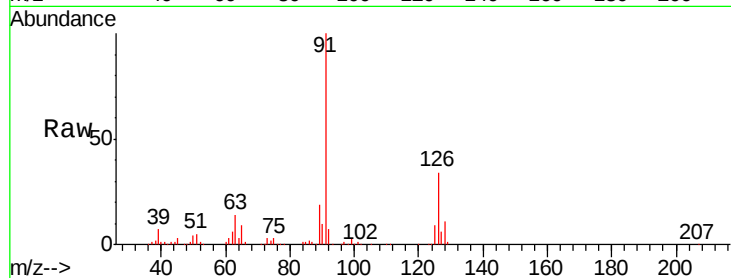
126 34.8 17.2 51.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VN052470.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN052470.D (-3378) (-)

600000

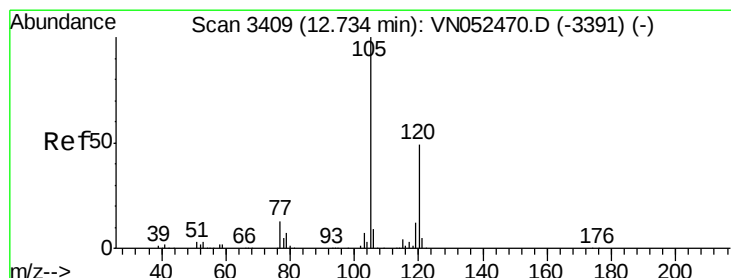
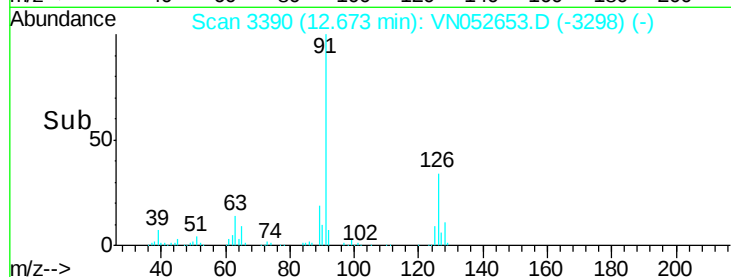
400000

200000

0

12.60 12.65 12.70

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.781 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052653.D

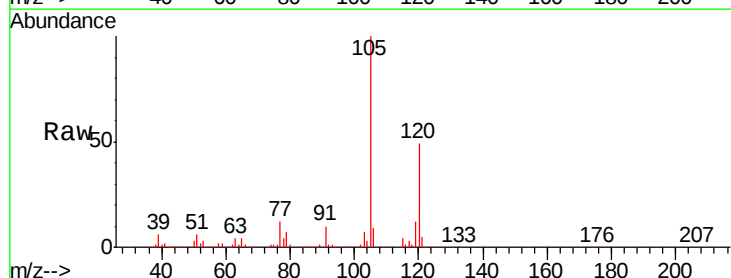
Acq: 4 Dec 2018 14:40

Tgt Ion: 105 Resp: 725561

Ion Ratio Lower Upper

105 100

120 48.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

500000

400000

300000

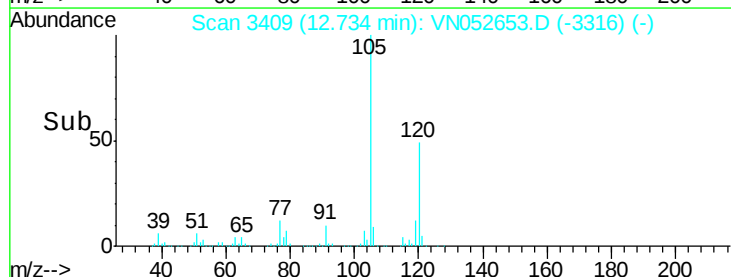
200000

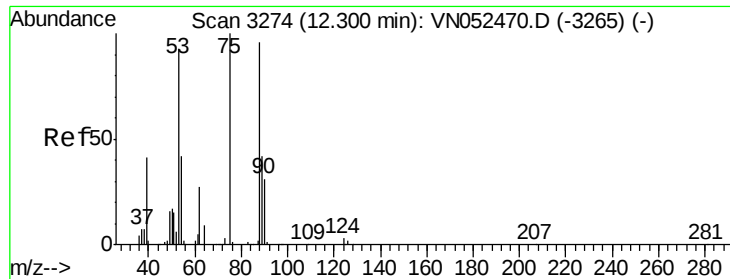
100000

0

12.70 12.80

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 17.919 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

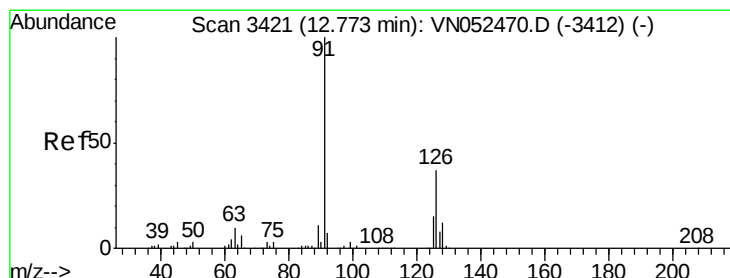
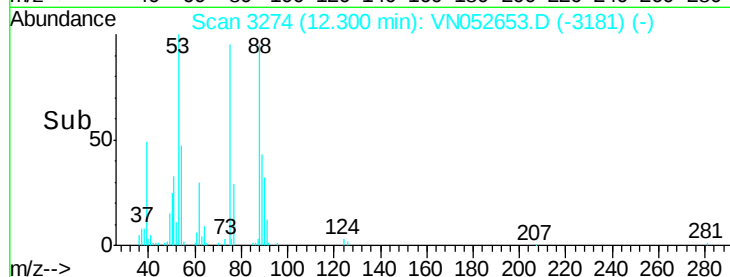
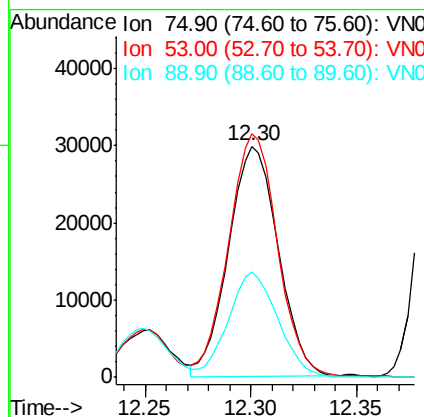
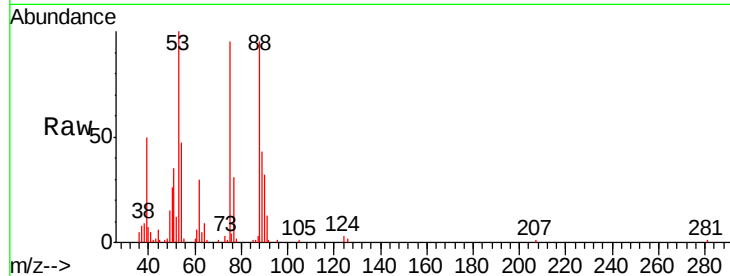
ClientSampleId :

VN1204WBSD01

Tgt Ion:	75	Resp:	48504
Ion Ratio	Lower	Upper	
75	100		
53	104.3	77.4	116.0
89	45.4	35.4	53.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 19.146 ug/l

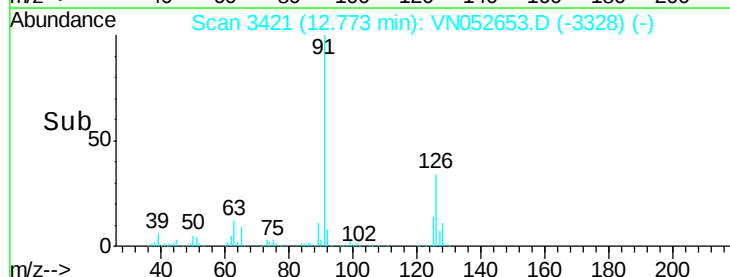
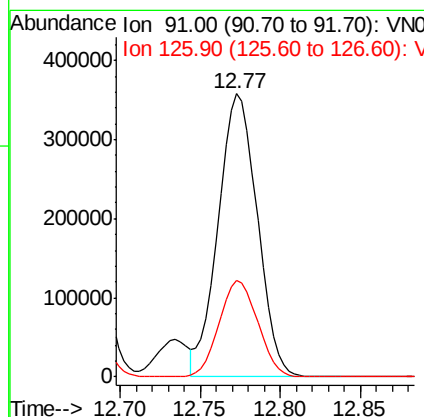
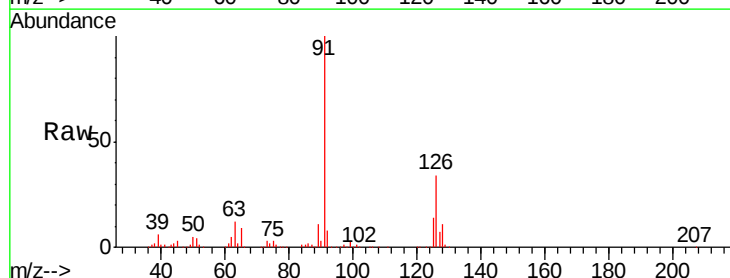
RT: 12.77 min Scan# 3421

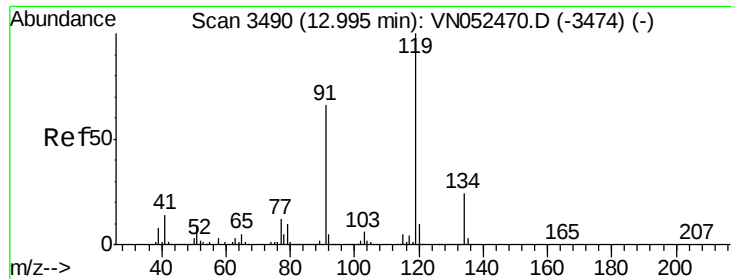
Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion:	91	Resp:	600370
Ion Ratio	Lower	Upper	
91	100		
126	33.7	16.9	50.6





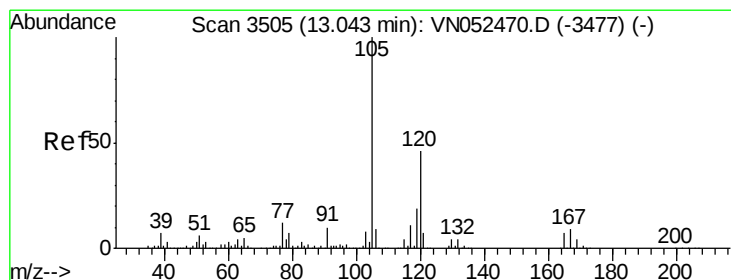
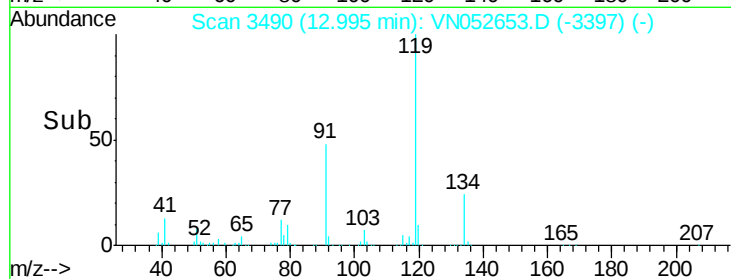
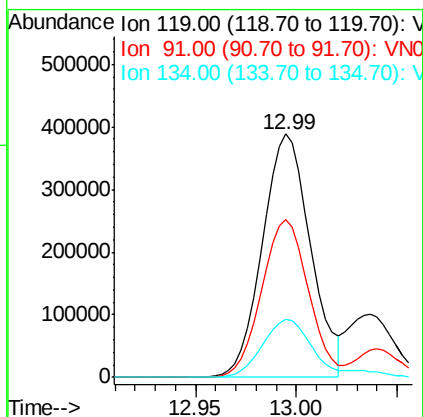
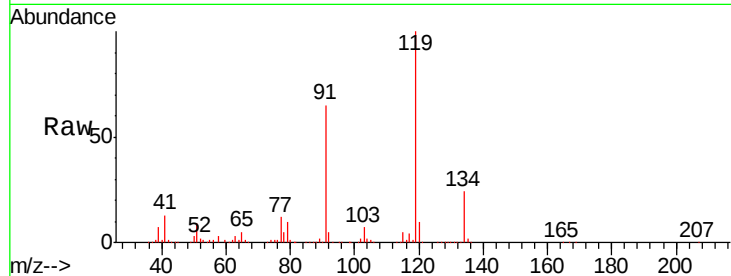
#83
 tert-Butylbenzene
 Concen: 19.731 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampled :
 VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.3	32.3	96.9
134	24.1	13.0	38.9

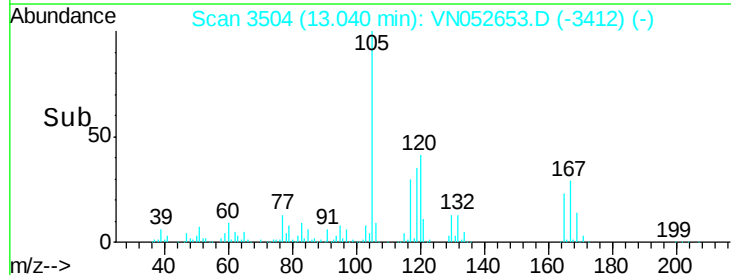
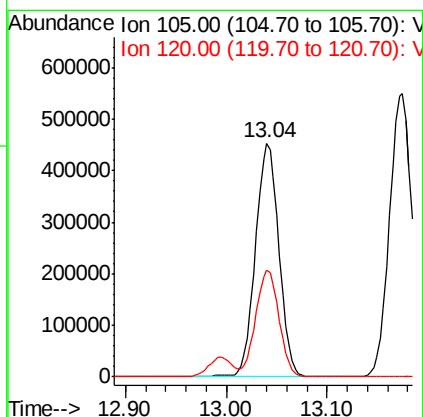
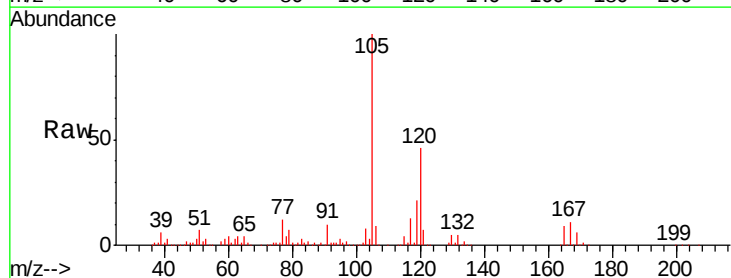
Manual Integrations
 APPROVED

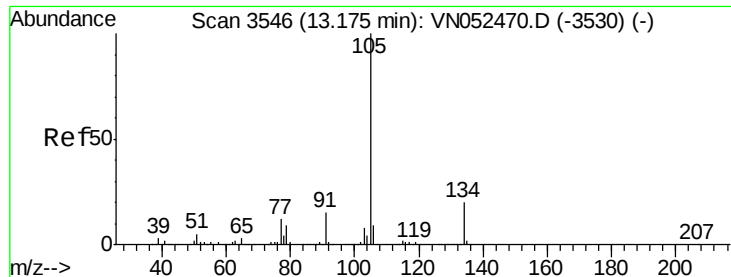
MMDadoda
 12/5/2018 9:13:09 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.782 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	22.8	68.4





#85

sec-Butylbenzene

Concen: 19.577 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

ClientSampleId :

VN1204WBSD01

Tgt Ion:105 Resp: 871929

Ion Ratio Lower Upper

105 100

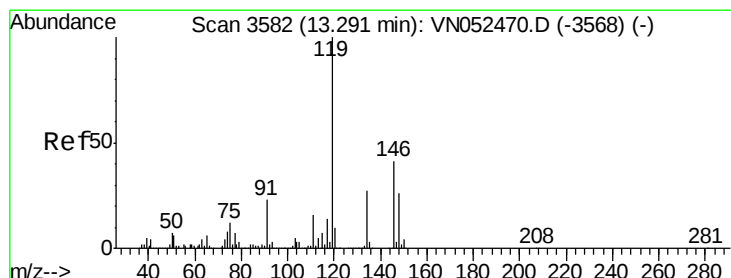
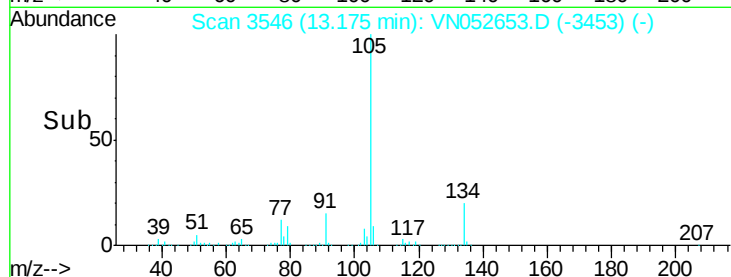
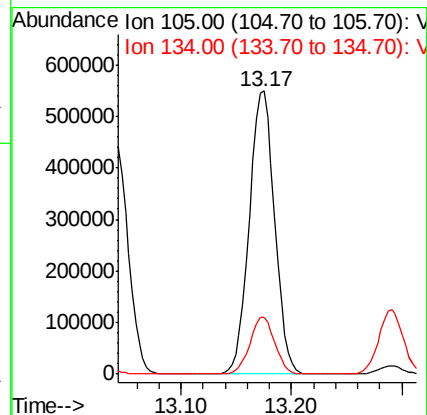
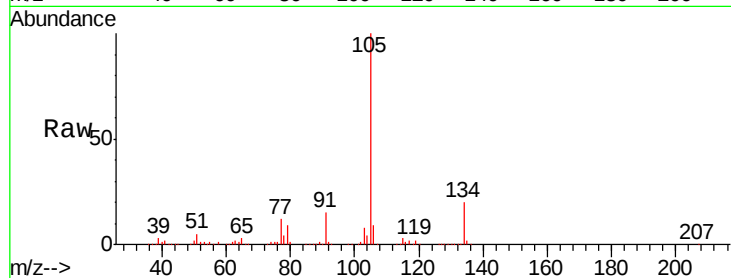
134 19.8 9.9 29.7

Manual Integrations

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MMDadoda

12/5/2018 9:13:09 AM



#86

p-Isopropyltoluene

Concen: 19.275 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

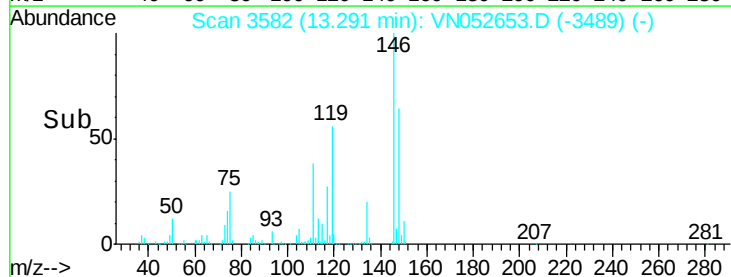
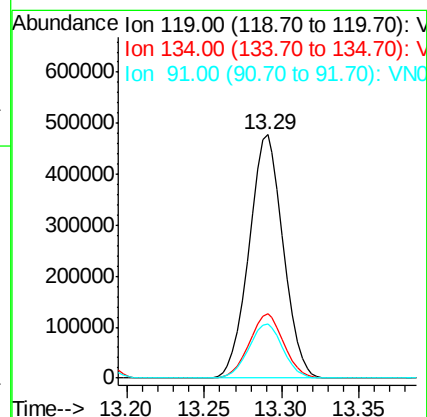
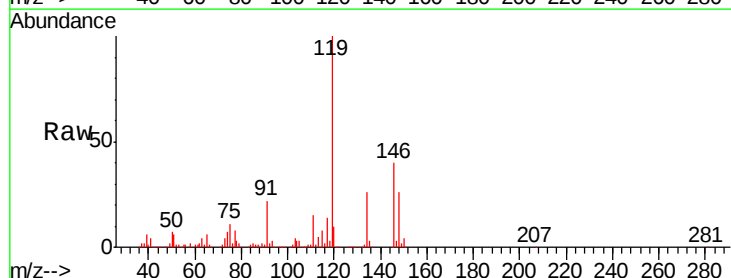
Tgt Ion:119 Resp: 731209

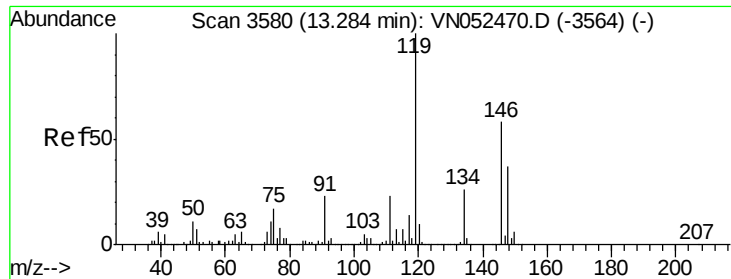
Ion Ratio Lower Upper

119 100

134 26.5 13.4 40.2

91 22.5 11.4 34.2





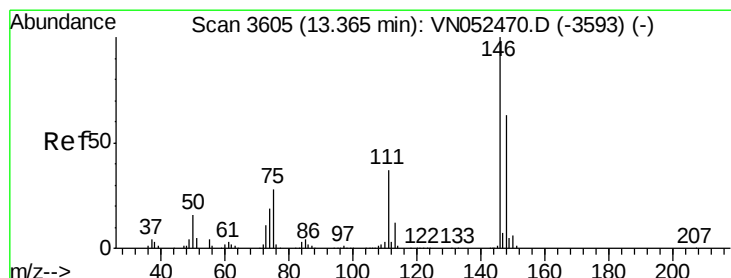
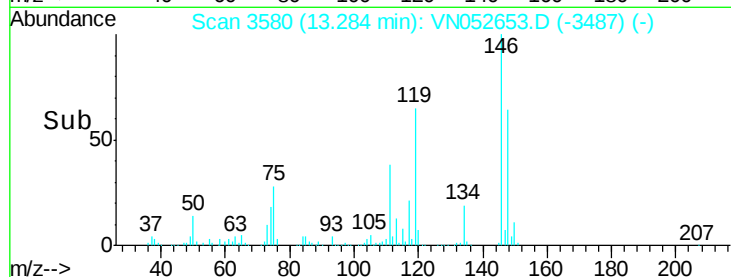
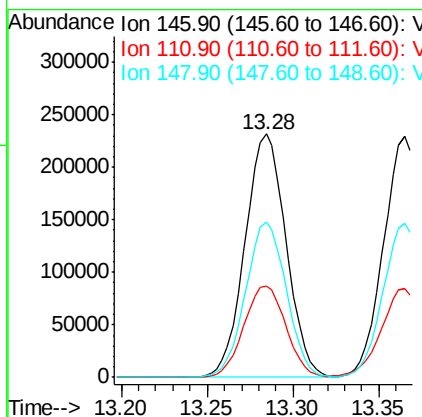
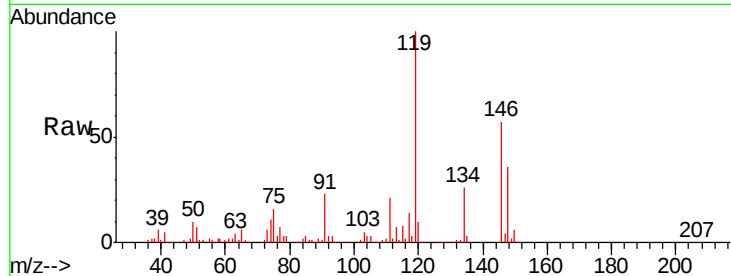
#87
 1,3-Dichlorobenzene
 Concen: 19.256 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.4
148	63.4	31.8	95.4

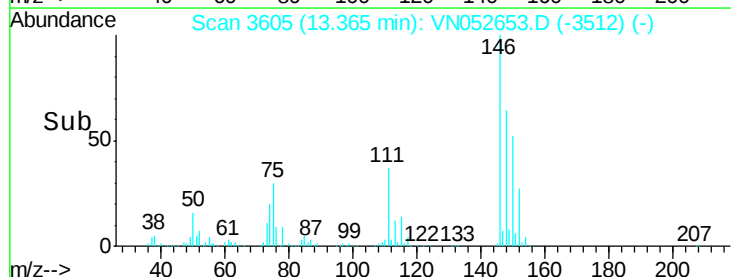
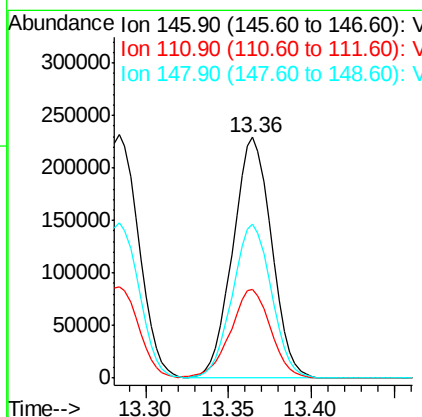
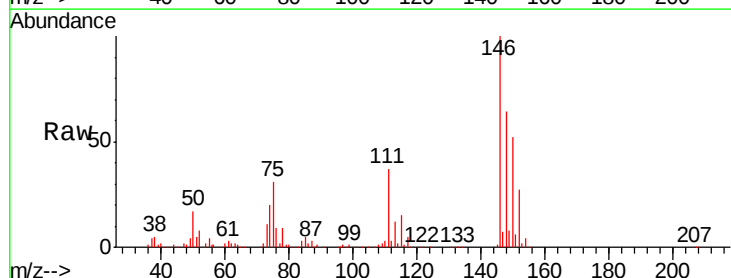
Manual Integrations
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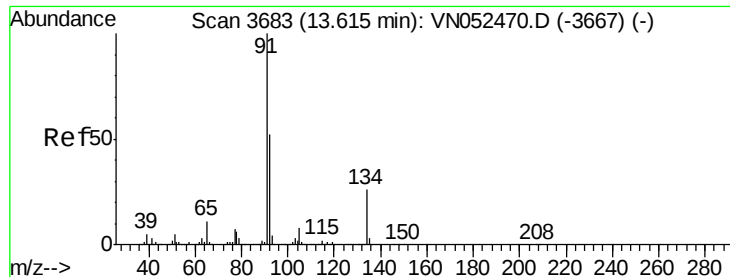
MMDadoda
 12/5/2018 9:13:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.027 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	56.0
148	64.6	31.9	95.9





#89

n-Butylbenzene

Concen: 18.552 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

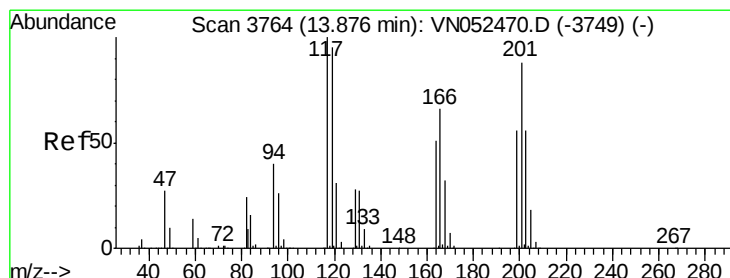
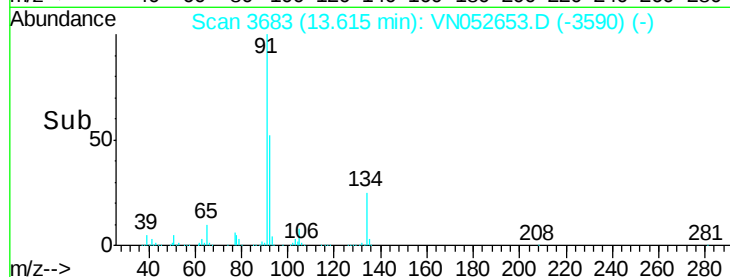
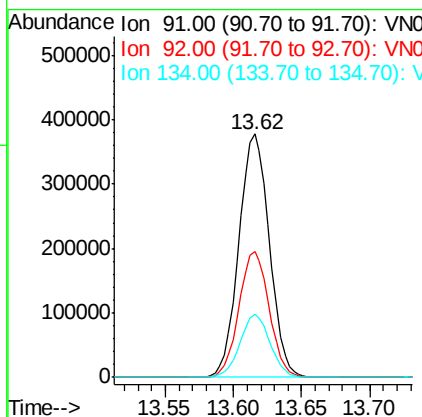
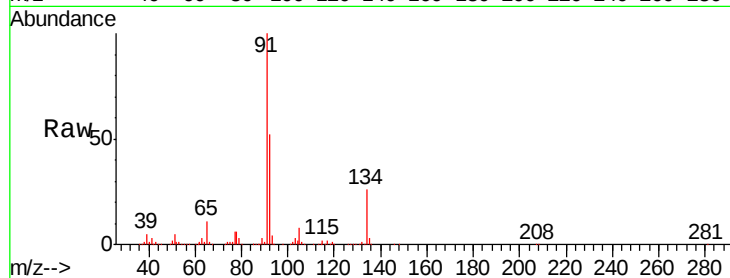
ClientSampleId :

VN1204WBSD01

Tgt Ion:	91	Resp:	585305
Ion Ratio	Lower	Upper	
91	100		
92	51.2	26.1	78.3
134	25.4	13.0	38.9

Manual Integrations
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12/5/2018 9:13:09 AM



#90

Hexachloroethane

Concen: 19.004 ug/l

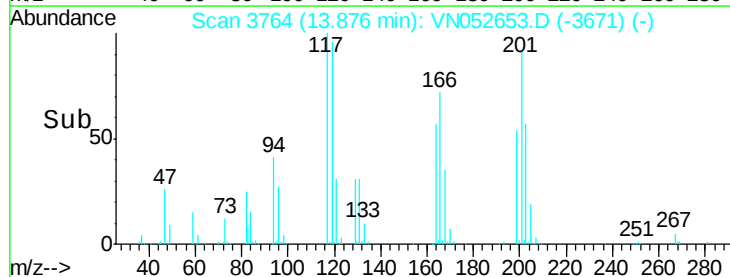
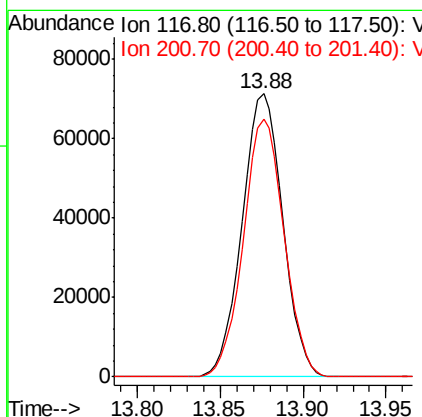
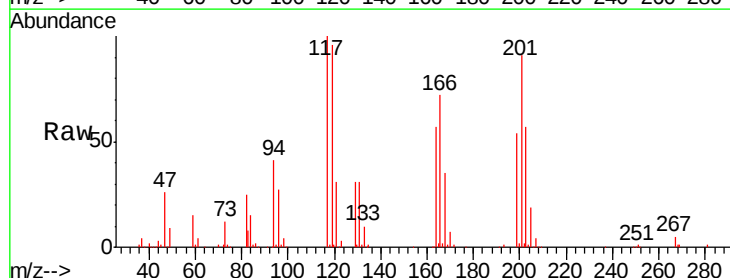
RT: 13.88 min Scan# 3764

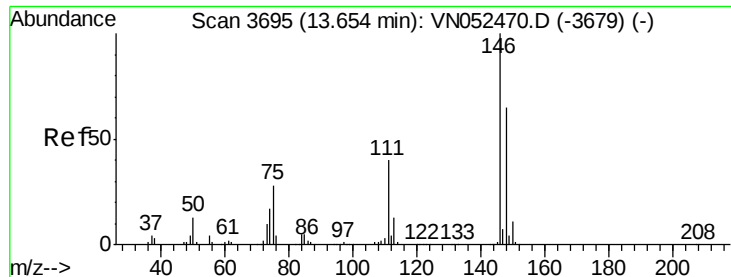
Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion:	117	Resp:	122066
Ion Ratio	Lower	Upper	
117	100		
201	90.8	43.6	130.9





#91

1,2-Dichlorobenzene

Concen: 19.708 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Instrument :

MSVOA_N

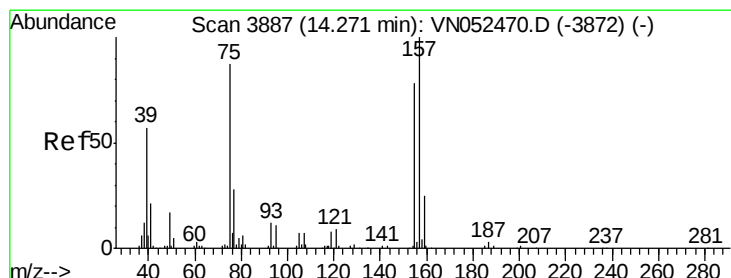
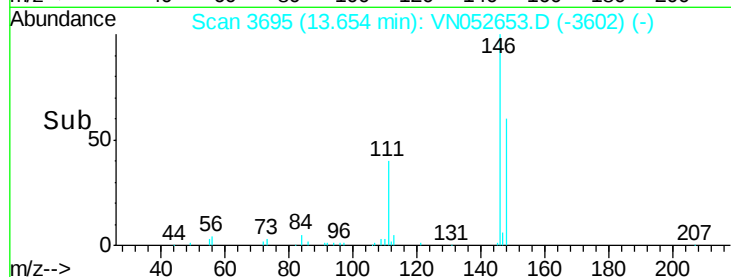
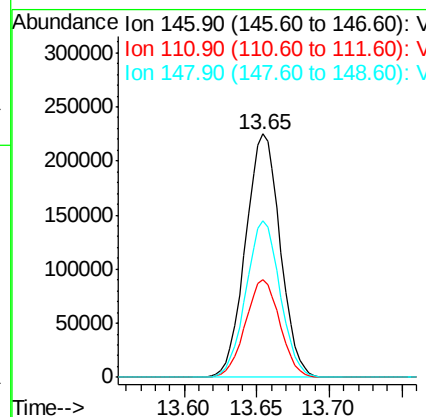
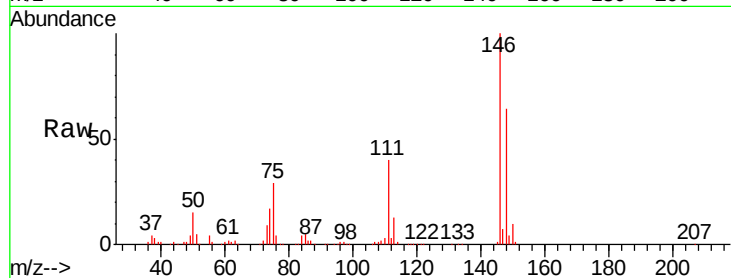
ClientSampleId :

VN1204WBSD01

Tgt Ion:	146	Resp:	374401
Ion Ratio	Lower	Upper	
146	100		
111	39.8	20.0	60.0
148	63.4	32.0	96.2

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#92

1,2-Dibromo-3-Chloropropane

Concen: 19.181 ug/l

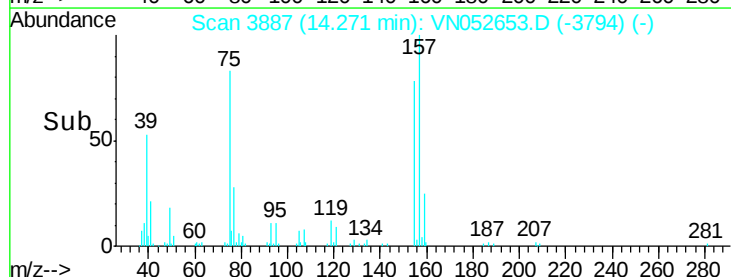
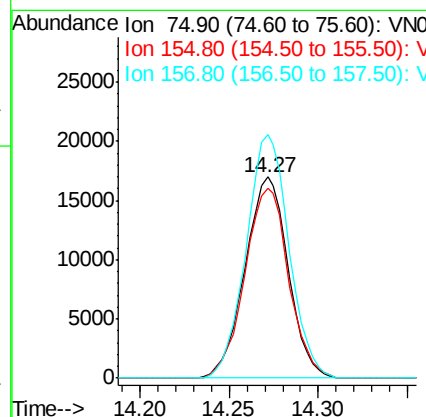
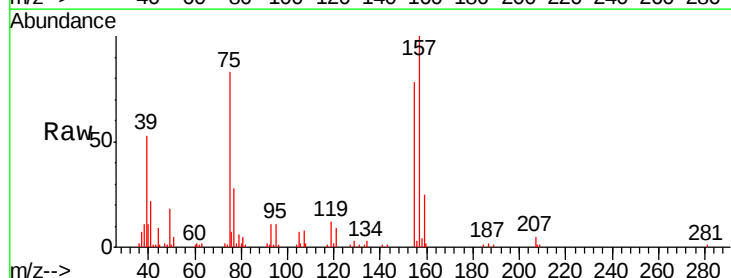
RT: 14.27 min Scan# 3887

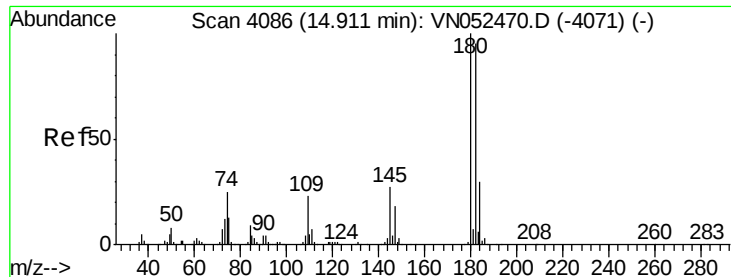
Delta R.T. 0.00 min

Lab File: VN052653.D

Acq: 4 Dec 2018 14:40

Tgt Ion:	75	Resp:	28700
Ion Ratio	Lower	Upper	
75	100		
155	95.5	45.3	135.9
157	119.8	58.1	174.2





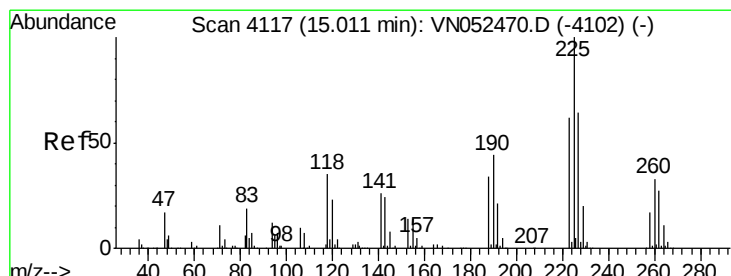
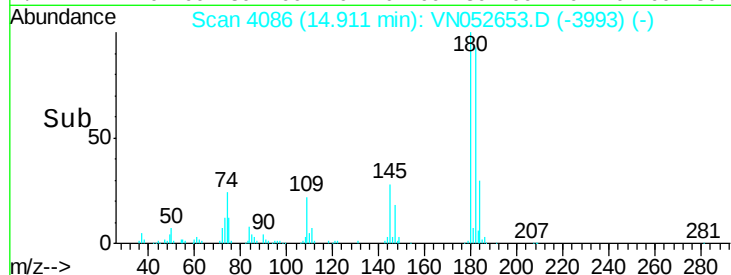
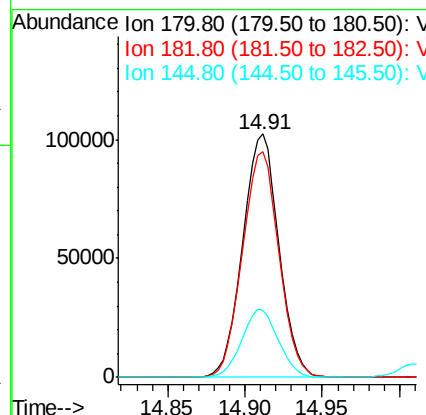
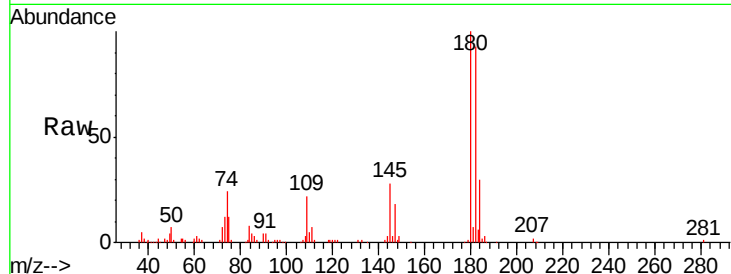
#93
 1,2,4-Trichlorobenzene
 Concen: 17.931 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1204WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	166586		
182	93.3	47.8	143.4	
145	28.1	14.1	42.3	

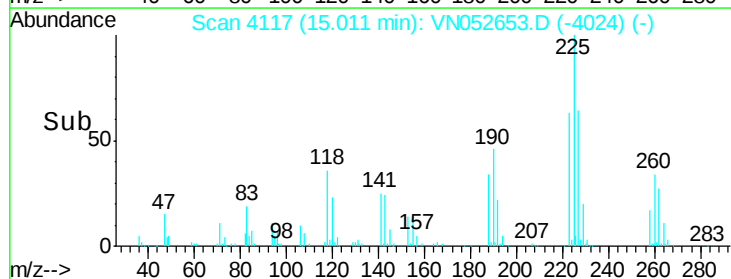
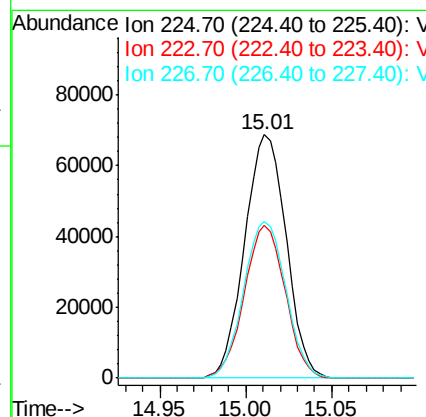
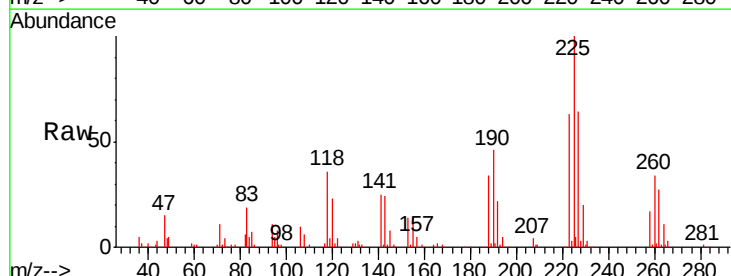
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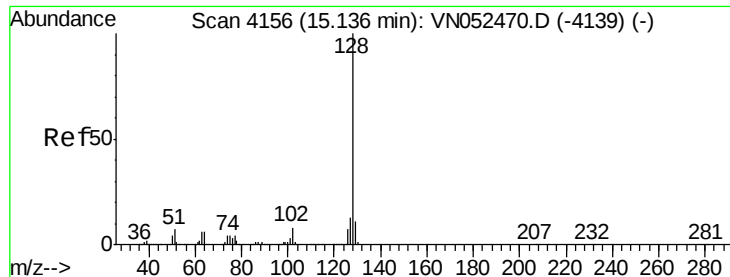
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 12/5/2018 9:13:09 AM



#94
 Hexachlorobutadiene
 Concen: 18.866 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN052653.D
 Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115302		
223	61.7	31.4	94.2	
227	65.2	32.5	97.4	





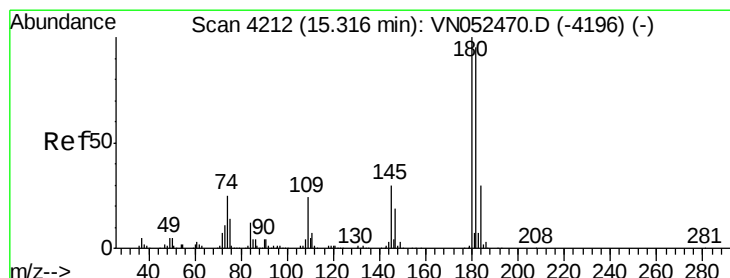
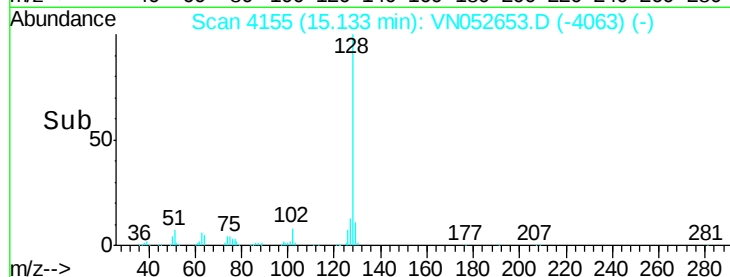
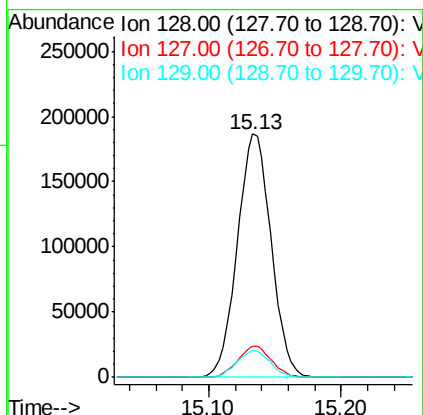
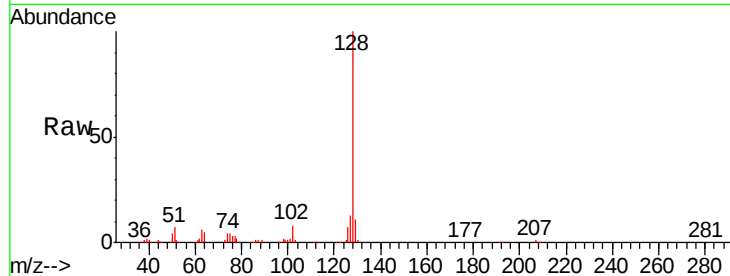
#95
Naphthalene
Concen: 17.334 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. -0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Instrument :
MSVOA_N
ClientSampleId :
VN1204WBSD01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	329498		
127	12.8	10.2	15.2	
129	11.0	8.7	13.1	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.394 ug/l
RT: 15.32 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN052653.D
Acq: 4 Dec 2018 14:40

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	158563		
182	95.1	47.8	143.3	
145	29.7	15.2	45.5	

