

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN110118\
 Data File : VN052091.D
 Acq On : 1 Nov 2018 8:49
 Operator : MD\SY
 Sample : VSTDICCC020
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Manual Integrations
 APPROVED

MMDadoda
 11/2/2018 9:21:01 AM

Quant Time: Nov 02 05:25:47 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:15:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	60783	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	351493	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	317995	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	143361	31.78	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	105.93%
60) 4-Bromofluorobenzene	12.40	95	153500	30.17	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	100.57%
63) Toluene-d8	10.09	98	456338	30.52	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.73%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	83403	20.545 ug/l	100
3) Chloromethane	2.06	50	96160	20.725 ug/l	100
4) Vinyl Chloride	2.19	62	96585	21.221 ug/l	100
5) Bromomethane	2.57	94	62428	20.095 ug/l	100
6) Chloroethane	2.71	64	59472	20.435 ug/l	100
7) Trichlorofluoromethane	3.02	101	125099	20.297 ug/l	100
8) Diethyl Ether	3.42	74	42759	20.546 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.77	101	71782	19.926 ug/l	100
10) 1,1-Dichloroethene	3.74	96	66147	19.679 ug/l	100
11) Methyl Iodide	3.96	142	92110	18.953 ug/l	100
12) Methyl Acetate	4.33	43	57324	19.631 ug/l	100
13) Acrolein	3.61	56	29501	97.201 ug/l	100
14) Acrylonitrile	4.99	53	129346	103.092 ug/l	100
15) Acetone	3.82	58	31217	105.272 ug/l	100
16) Carbon Disulfide	4.06	76	192747	19.420 ug/l	100
17) Allyl chloride	4.33	41	113408	19.871 ug/l	100
18) Methylene Chloride	4.55	84	82733	19.941 ug/l	100
19) trans-1,2-Dichloroethene	5.05	96	73669	20.003 ug/l	100
20) Diisopropyl ether	5.96	45	252471	20.346 ug/l	100
21) 1,1-Dichloroethane	5.85	63	148678	20.514 ug/l	100
22) cis-1,2-Dichloroethene	6.84	96	87414	20.326 ug/l	100
23) tert-Butyl Alcohol	4.78	59	23189	117.146 ug/l	100
24) Methyl tert-Butyl Ether	5.05	73	196604	20.631 ug/l	100
25) Chloroform	7.37	83	149778	20.581 ug/l	100
26) Cyclohexane	7.65	56	128331	19.752 ug/l	100
29) 1,1-Dichloropropene	7.79	75	114170	20.459 ug/l	100
30) 2-Butanone	6.84	43	157912	106.258 ug/l	100
31) 2,2-Dichloropropane	6.83	77	115560	20.092 ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	123749	19.819 ug/l	100
33) Carbon Tetrachloride	7.78	117	108594	19.556 ug/l	100
34) Benzene	8.04	78	331106	20.264 ug/l	100
35) Methacrylonitrile	7.19	41	44682m	14.859 ug/l	
36) 1,2-Dichloroethane	8.13	62	110192	20.170 ug/l	100
37) Trichloroethene	8.84	130	78322	19.151 ug/l	100
38) Methylcyclohexane	9.08	83	134830	19.806 ug/l	100
39) 1,2-Dichloropropane	9.12	63	90842	20.885 ug/l	100
40) Dibromomethane	9.21	93	54605	20.367 ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	109710	20.000	ug/l	100
42) Vinyl Acetate	5.90	43	892680	102.606	ug/l	100
43) Ethyl Acetate	6.84	43	157912	15.265	ug/l #	86
44) Isopropyl Acetate	8.17	43	125271	20.259	ug/l	100
45) 1,4-Dioxane	9.20	88	12820	454.468	ug/l	100
46) Methyl methacrylate	9.20	41	65012	21.121	ug/l	100
47) n-amyl Acetate	12.07	43	110795	19.751	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	107614	19.756	ug/l	100
49) cis-1,3-Dichloropropene	9.84	75	127974	20.355	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	70984	20.022	ug/l	100
51) Ethyl methacrylate	10.43	69	91700	20.014	ug/l	100
52) 1,3-Dichloropropane	10.71	76	124708	20.195	ug/l	100
53) Dibromochloromethane	10.90	129	74728	19.525	ug/l	100
54) 1,2-Dibromoethane	11.00	107	70135	19.509	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	261120	104.072	ug/l	100
56) Bromoform	12.13	173	41021	18.557	ug/l	100
58) 4-Methyl-2-Pentanone	9.99	43	355677	104.381	ug/l	100
59) 2-Hexanone	10.75	43	244191	104.081	ug/l	100
61) Tetrachloroethene	10.63	164	66524	19.236	ug/l	100
62) Toluene	10.16	91	360184	20.177	ug/l	100
64) Chlorobenzene	11.43	112	221433	19.572	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.51	131	75469	19.599	ug/l	100
66) Ethyl Benzene	11.51	91	377482	19.577	ug/l	100
67) m/p-Xylenes	11.62	106	290066	39.074	ug/l	100
68) o-Xylene	11.95	106	139169	19.663	ug/l	100
69) Styrene	11.96	104	227674	19.962	ug/l	100
70) Isopropylbenzene	12.25	105	368134	19.376	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.50	83	83454	19.969	ug/l	100
72) 1,2,3-Trichloropropane	12.55	75	75630m	21.764	ug/l	
73) Bromobenzene	12.53	156	79474	18.877	ug/l	100
74) n-propylbenzene	12.59	91	431237	19.491	ug/l	100
75) 2-Chlorotoluene	12.67	91	251520	19.718	ug/l	100
76) 1,3,5-Trimethylbenzene	12.73	105	297557	19.531	ug/l	100
77) t-1,4-Dichloro-2-butene	12.30	75	20241	17.605	ug/l	100
78) 4-Chlorotoluene	12.77	91	251200	19.556	ug/l	100
79) tert-butylbenzene	12.99	119	263869	19.883	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	300989	19.831	ug/l	100
81) sec-Butylbenzene	13.17	105	355818	19.482	ug/l	100
82) p-Isopropyltoluene	13.29	119	297382	19.267	ug/l	100
83) 1,3-Dichlorobenzene	13.28	146	141389	18.987	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	136643	18.536	ug/l	100
85) n-Butylbenzene	13.62	91	254350	19.040	ug/l	100
86) Hexachloroethane	13.88	117	49236	18.903	ug/l	100
87) 1,2-Dichlorobenzene	13.65	146	135482	19.149	ug/l	100
88) 1,2-Dibromo-3-Chloropropan	14.27	75	11881	20.791	ug/l	100
89) 1,2,4-Trichlorobenzene	14.91	180	53704	18.699	ug/l	100
90) Hexachlorobutadiene	15.01	225	29820	18.978	ug/l	100
91) Naphthalene	15.13	128	126198	19.064	ug/l	100
92) 1,2,3-Trichlorobenzene	15.31	180	46020	18.385	ug/l	100

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ClientSampleId :
VSTDICCC020

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QLast Update : Fri Nov 02 05:15:09 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

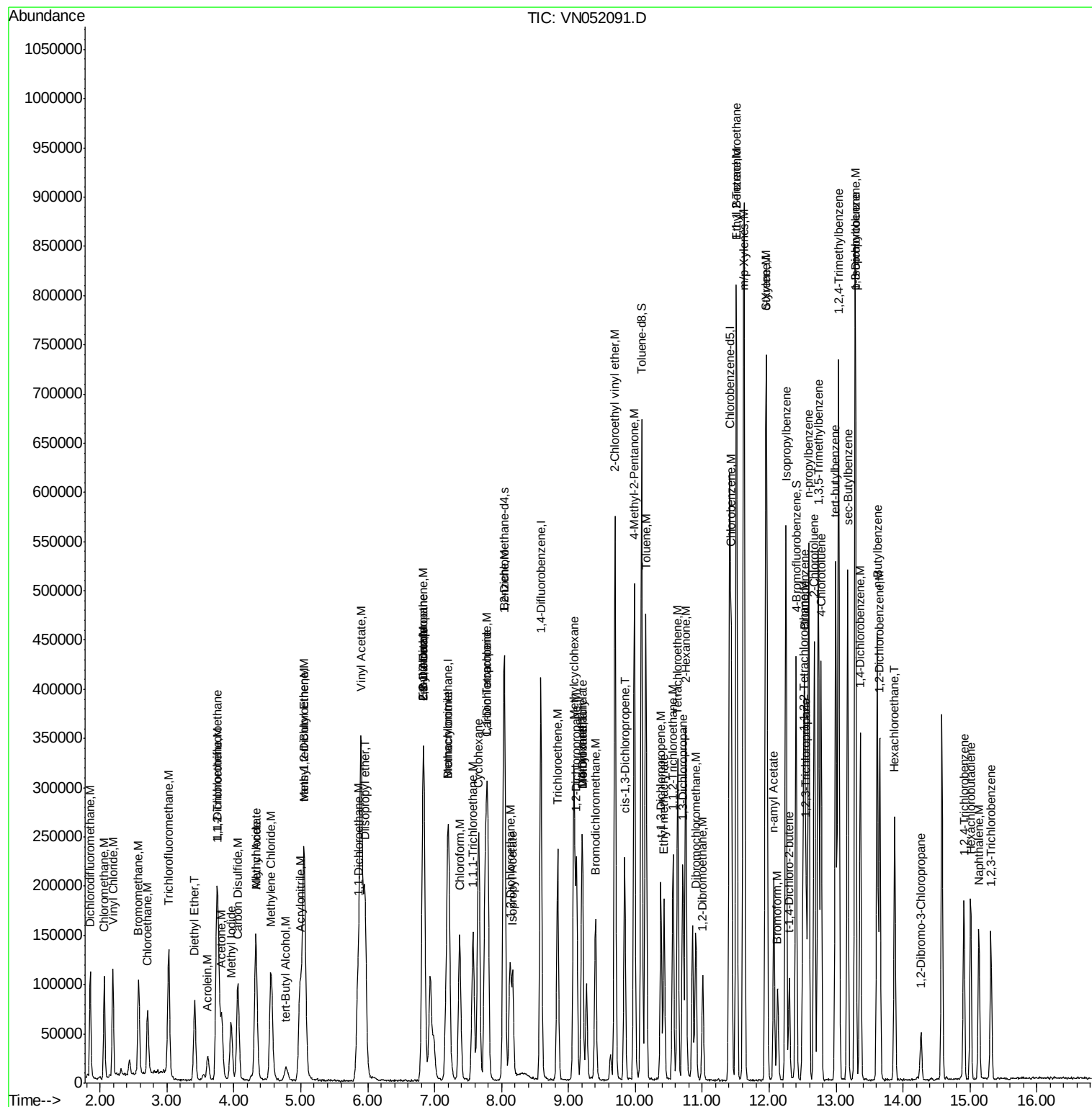
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 Data File : VN052091.D
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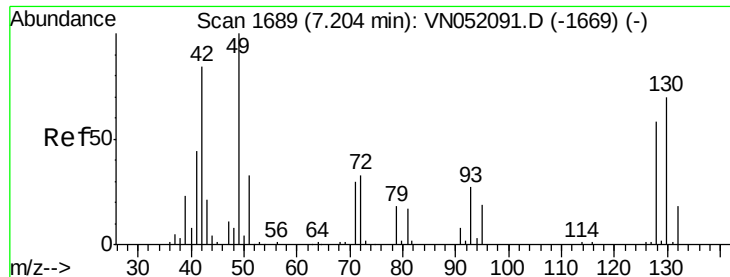
Instrument :
 MSVOA_N
 Client Sample Id :
 VSTDICCC020

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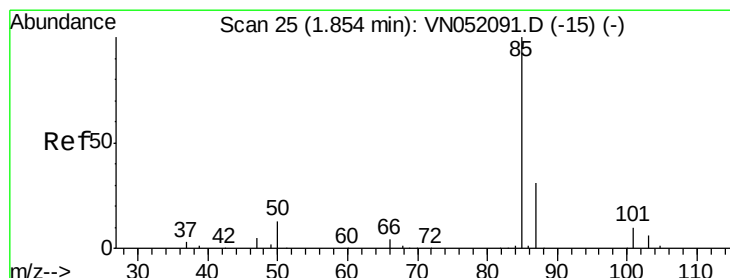
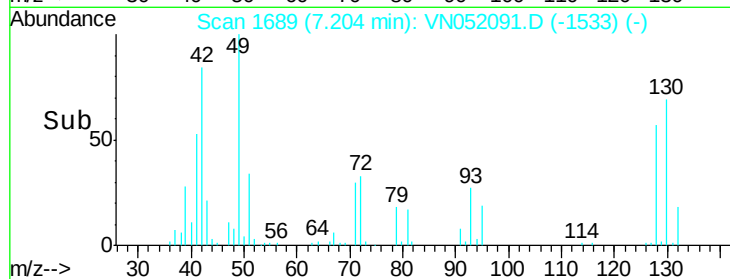
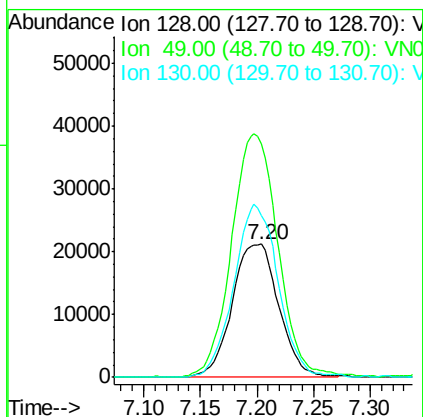
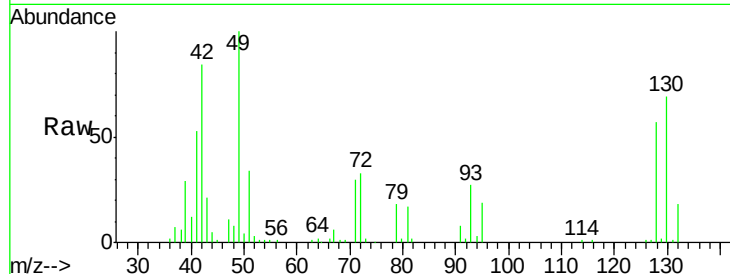
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
128	100		
49	181.5	0.0	453.7
130	123.5	0.0	308.8

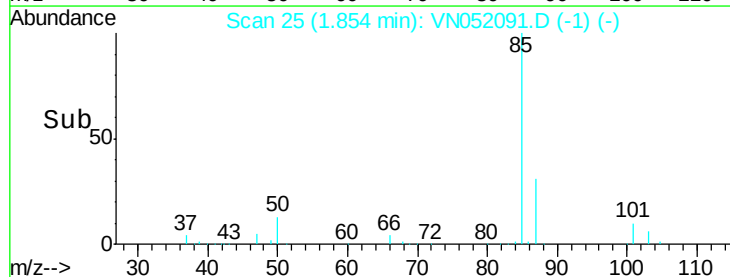
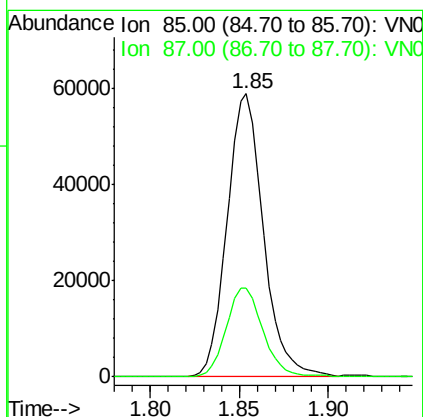
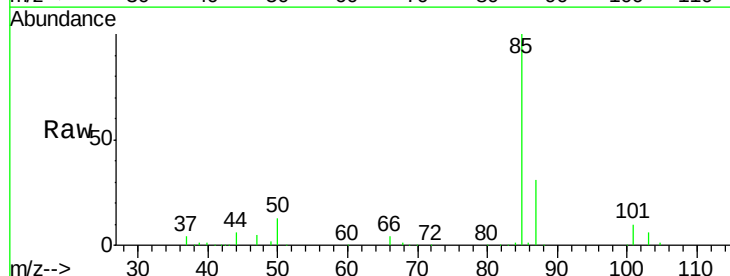
Manual Integrations
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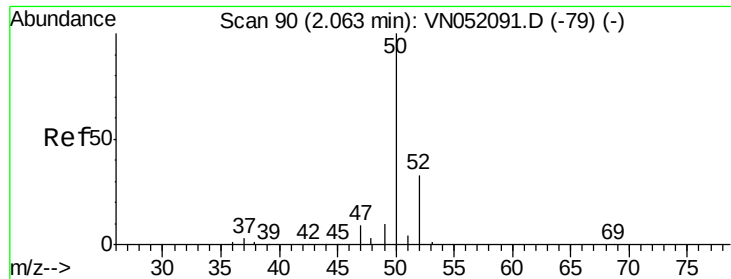
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#2
Dichlorodifluoromethane
Concen: 20.545 ug/l
RT: 1.85 min Scan# 25
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
85	100		
87	31.4	15.7	47.1





#3

Chloromethane

Concen: 20.725 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Tgt Ion: 50 Resp: 96160

Ion Ratio Lower Upper

50 100

52 33.1 26.5 39.7

Instrument :

MSVOA_N

ClientSampleId :

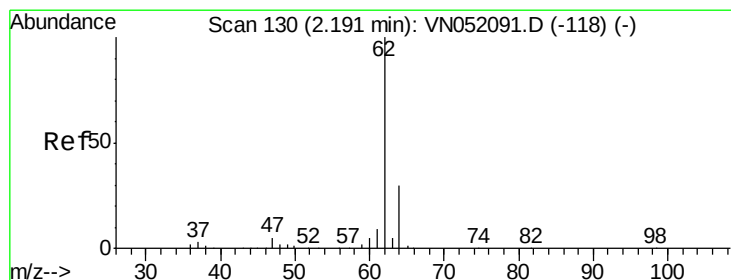
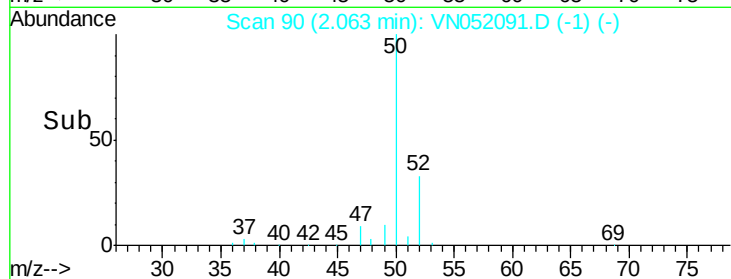
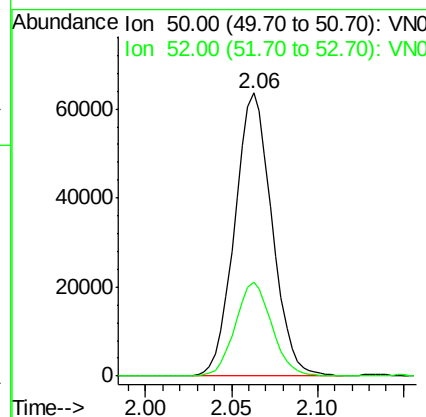
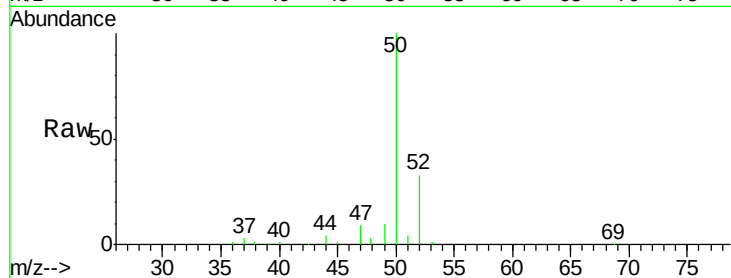
VSTDICCC020

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.221 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN052091.D

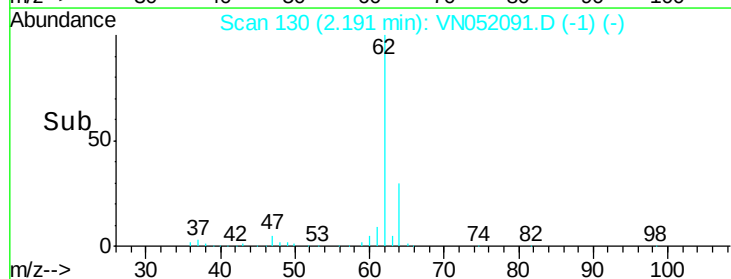
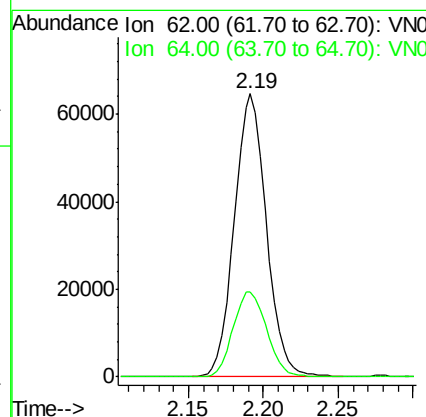
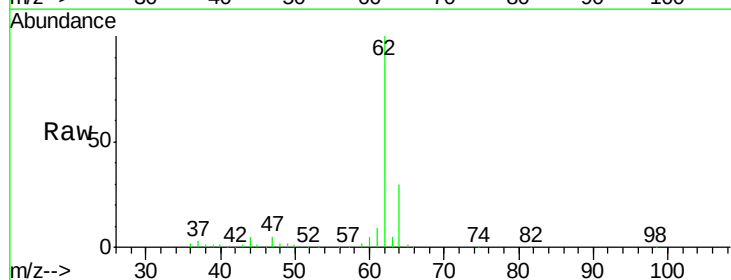
Acq: 1 Nov 2018 8:49

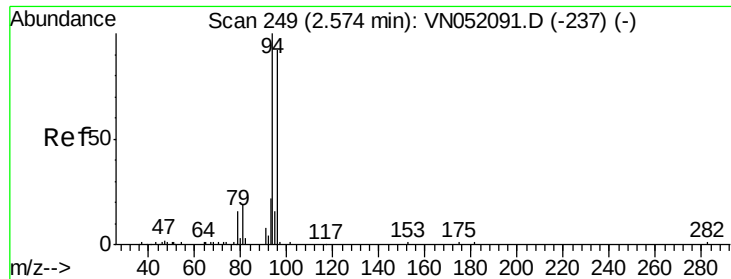
Tgt Ion: 62 Resp: 96585

Ion Ratio Lower Upper

62 100

64 30.3 24.2 36.4





#5

Bromomethane

Concen: 20.095 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 94 Resp: 62428

Ion Ratio Lower Upper

94 100

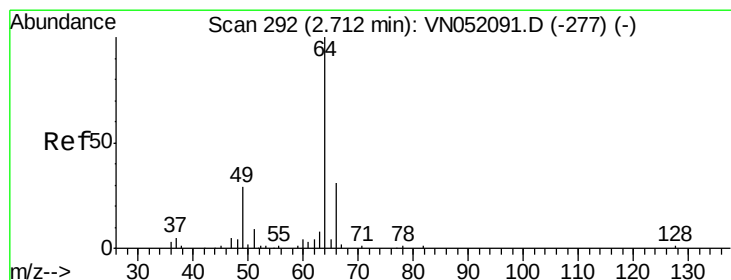
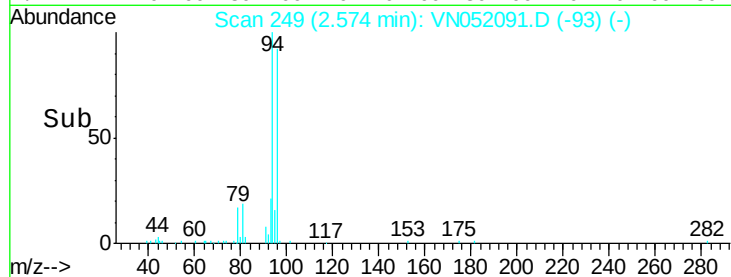
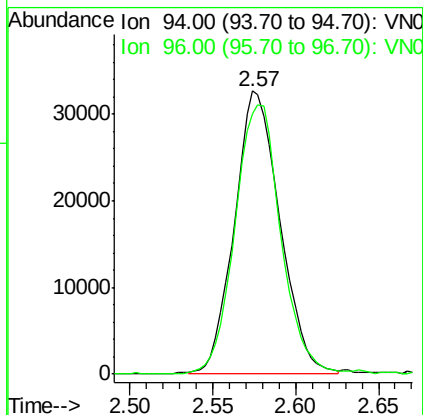
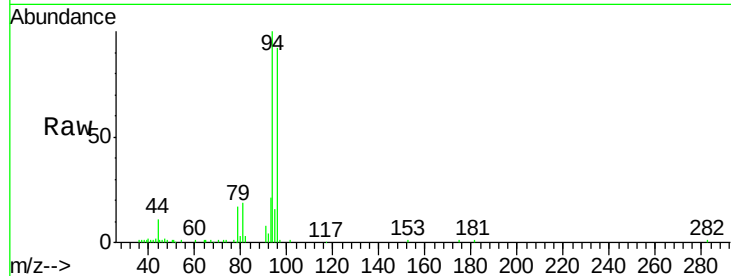
96 91.7 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 20.435 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.00 min

Lab File: VN052091.D

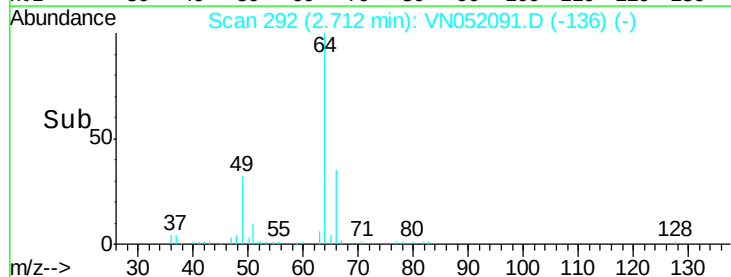
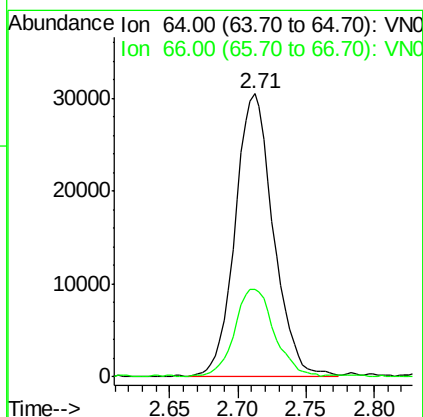
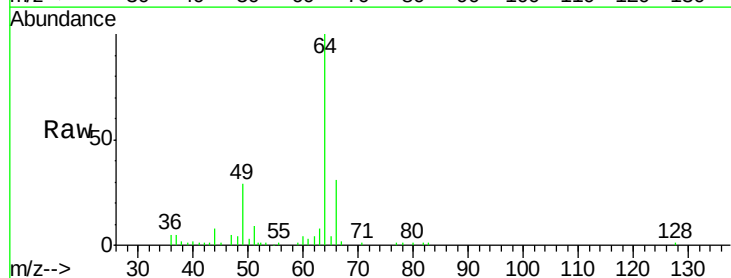
Acq: 1 Nov 2018 8:49

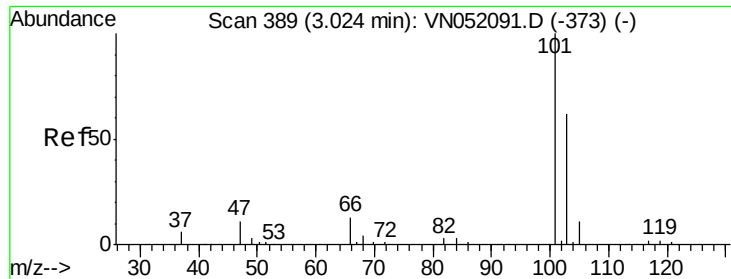
Tgt Ion: 64 Resp: 59472

Ion Ratio Lower Upper

64 100

66 30.9 24.7 37.1





#7

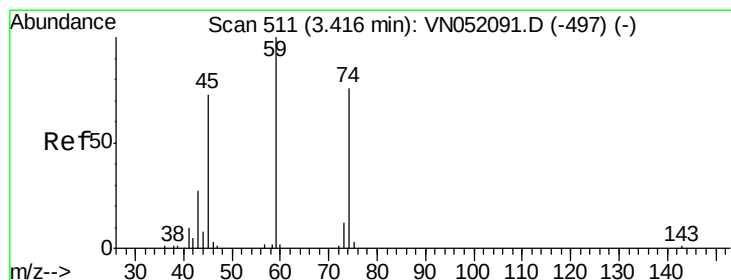
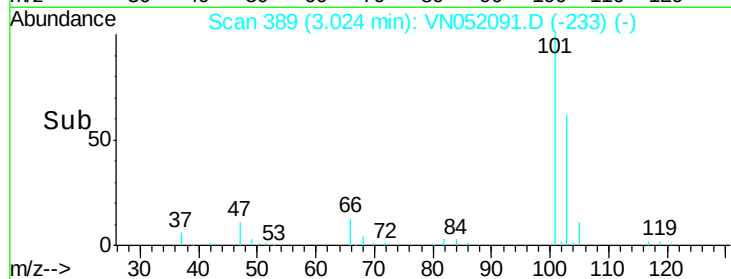
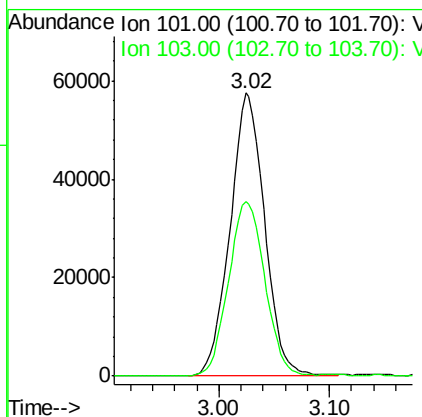
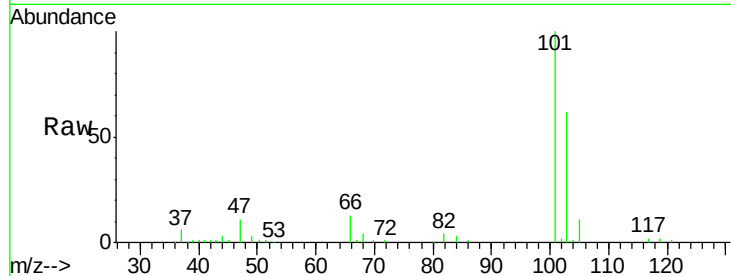
Trichlorofluoromethane
Concen: 20.297 ug/l
RT: 3.02 min Scan# 389
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	125099		
103	61.9	49.5	74.3	

Manual Integrations
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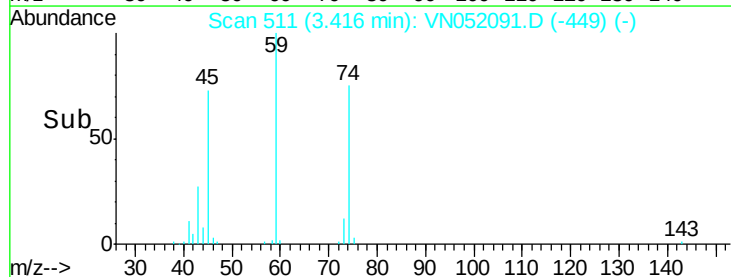
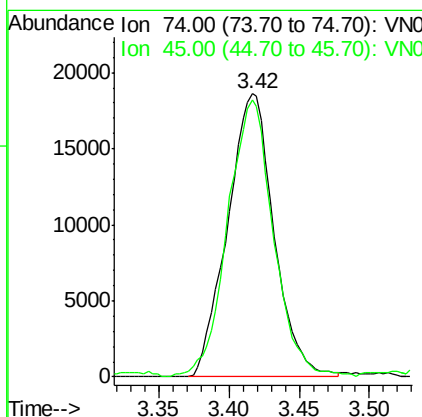
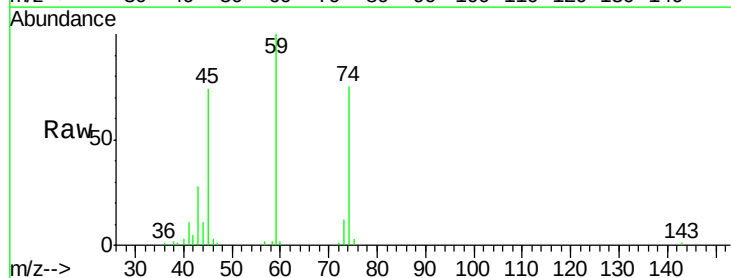
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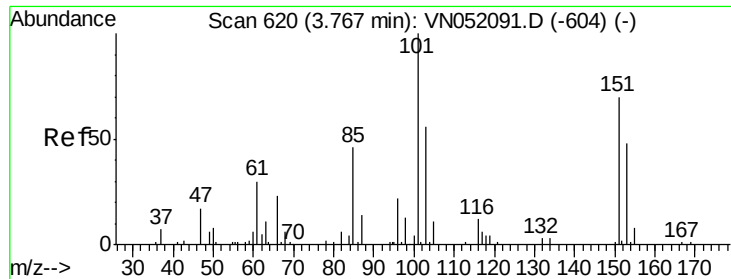


#8

Diethyl Ether
Concen: 20.546 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	42759		
45	96.9	19.4	174.4	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.926 ug/l

RT: 3.77 min Scan# 620

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

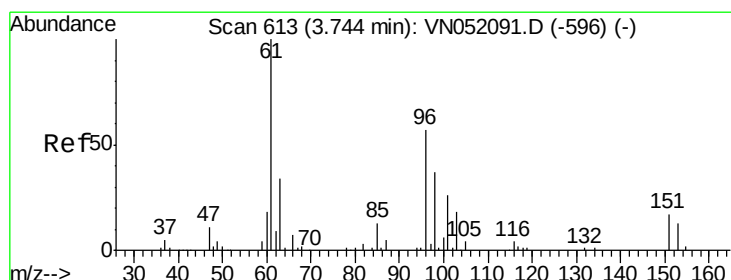
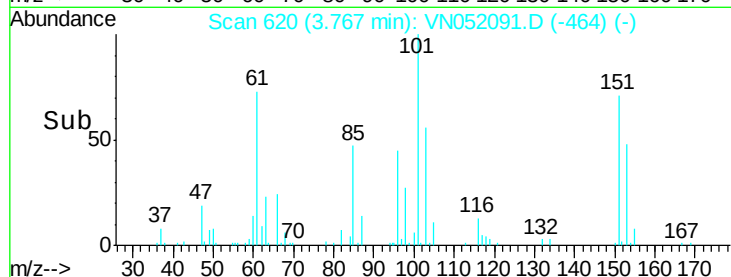
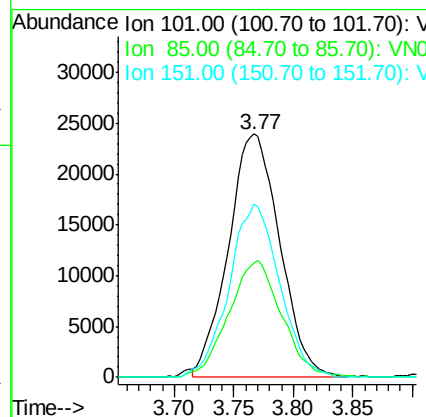
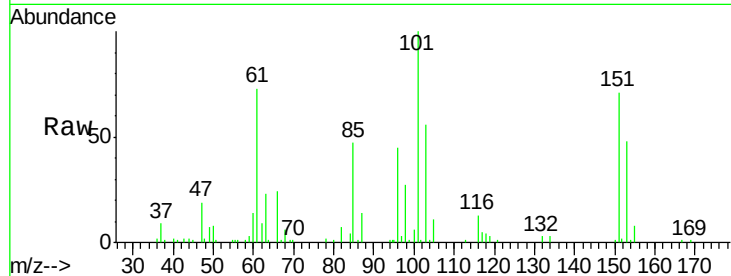
ClientSampleId :

VSTDICCC020

Tgt Ion:	101	Resp:	71782
Ion Ratio	Lower	Upper	
101	100		
85	49.0	0.0	98.0
151	69.8	0.0	139.6

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11/2/2018 9:21:01 AM



#10

1,1-Dichloroethene

Concen: 19.679 ug/l

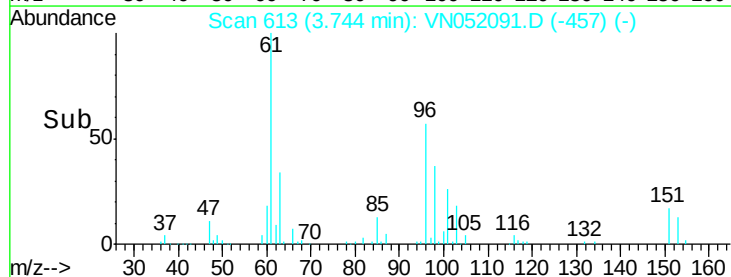
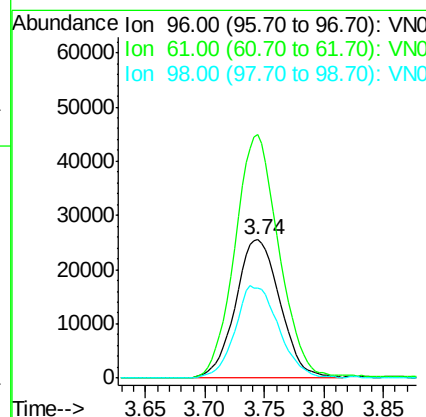
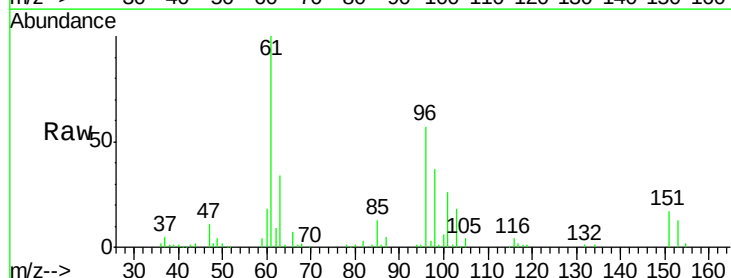
RT: 3.74 min Scan# 613

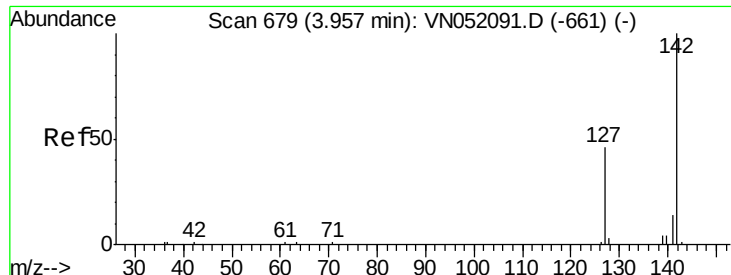
Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Tgt Ion:	96	Resp:	66147
Ion Ratio	Lower	Upper	
96	100		
61	175.4	140.3	210.5
98	65.0	52.0	78.0





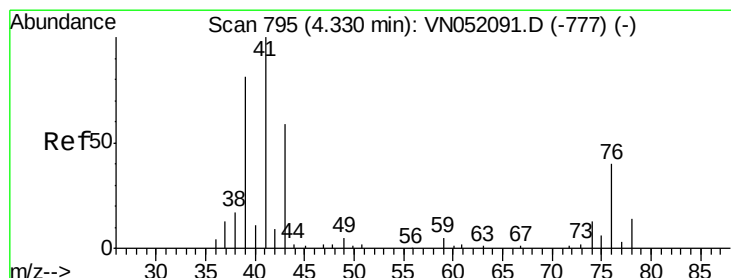
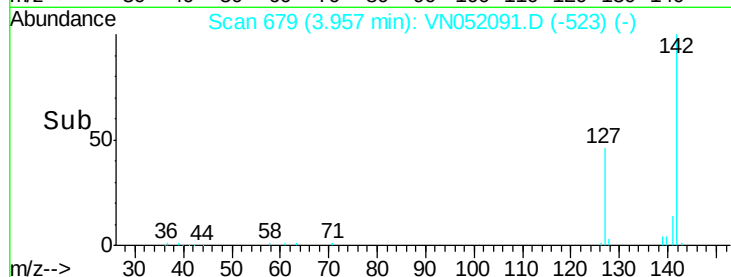
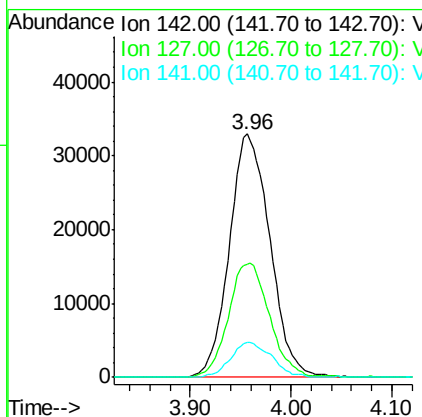
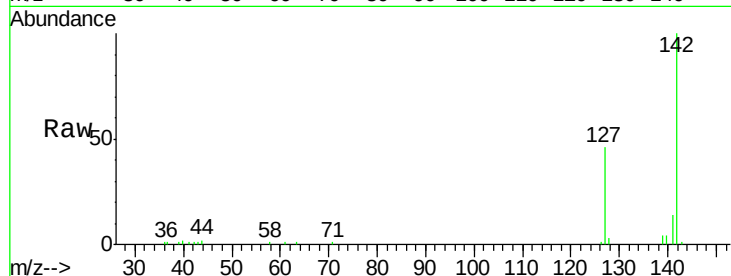
#11
Methyl Iodide
Concen: 18.953 ug/l
RT: 3.96 min Scan# 679
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
142	100		
127	46.1	23.1	69.2
141	13.9	7.0	20.9

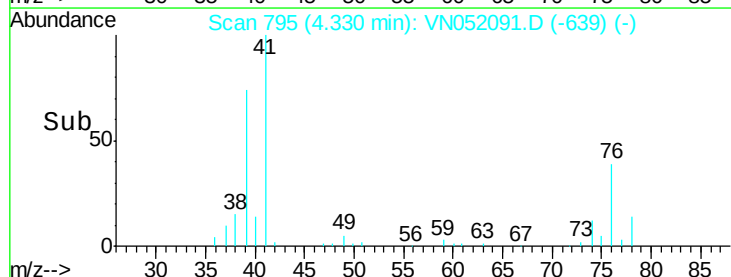
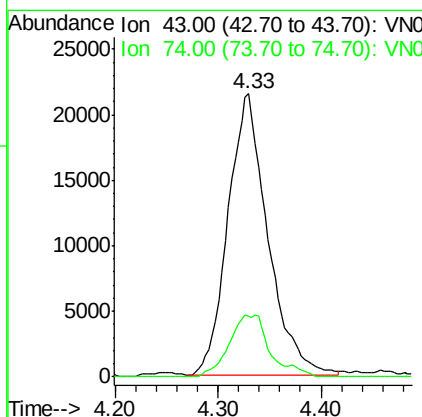
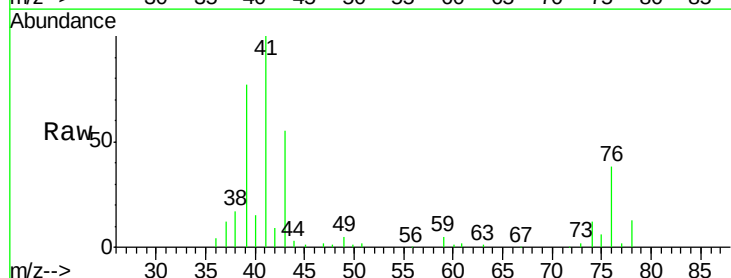
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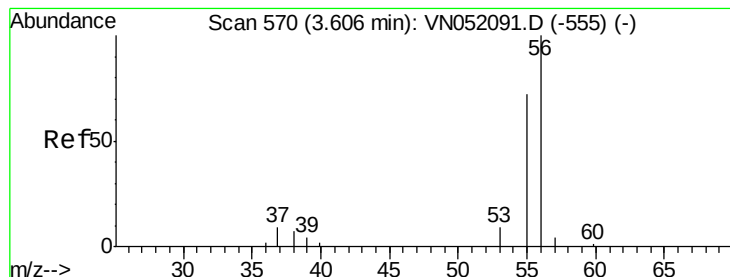
MMDadoda
11/2/2018 9:21:01 AM



#12
Methyl Acetate
Concen: 19.631 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.8	17.4	26.2





#13

Acrolein

Concen: 97.201 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 56 Resp: 29501

Ion Ratio Lower Upper

56 100

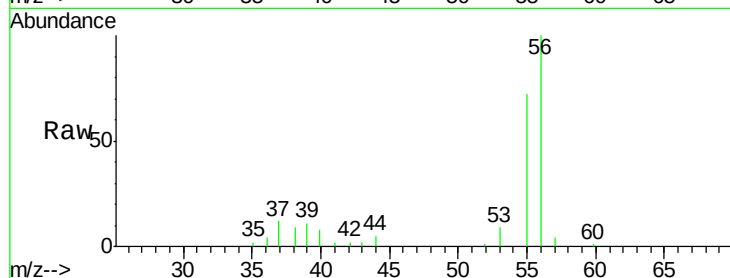
55 70.2 56.2 84.2

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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12000

10000

8000

6000

4000

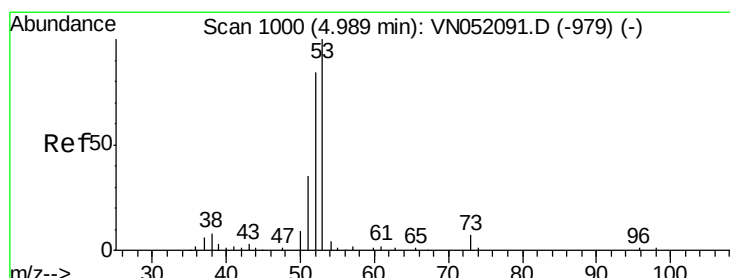
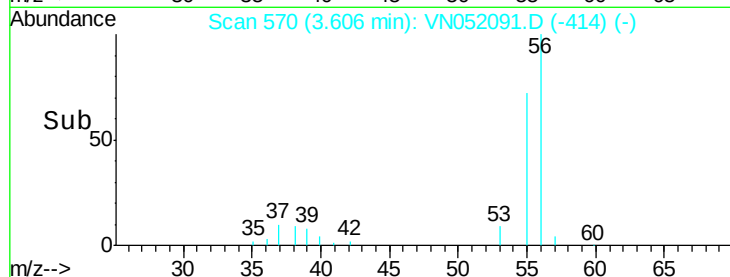
2000

0

Time-->

3.55 3.60 3.65 3.70

3.61



#14

Acrylonitrile

Concen: 103.092 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

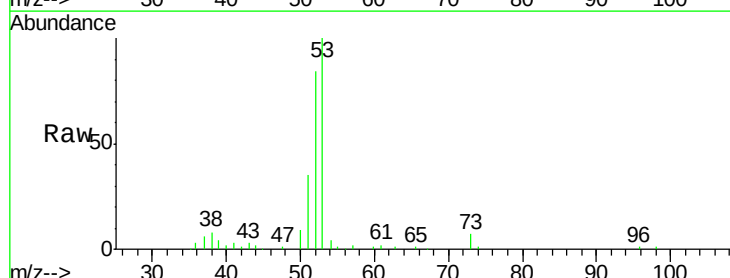
Tgt Ion: 53 Resp: 129346

Ion Ratio Lower Upper

53 100

52 82.7 41.3 124.1

51 37.1 18.6 55.6



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0

50000

40000

30000

20000

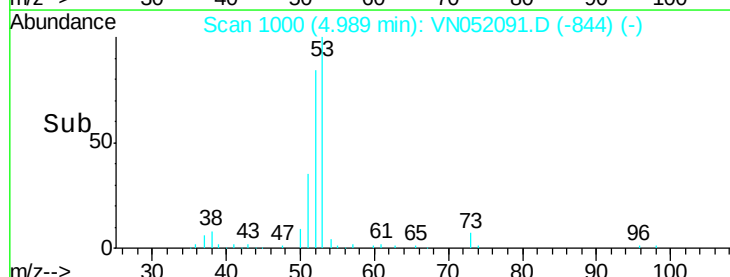
10000

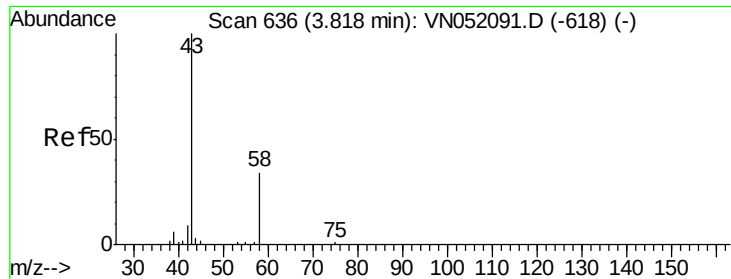
0

Time-->

4.90 5.00 5.10

4.99





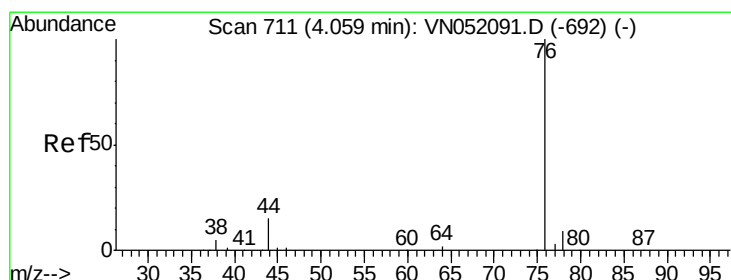
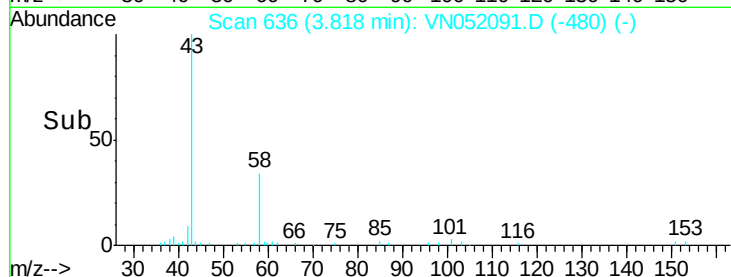
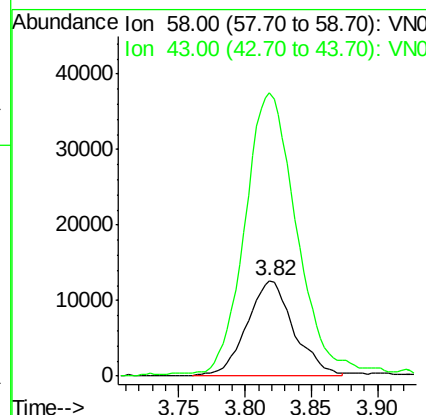
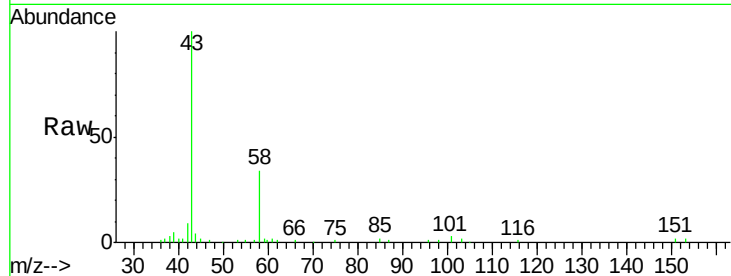
#15
Acetone
Concen: 105.272 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 58 Resp: 31217
Ion Ratio Lower Upper
58 100
43 293.4 234.7 352.1

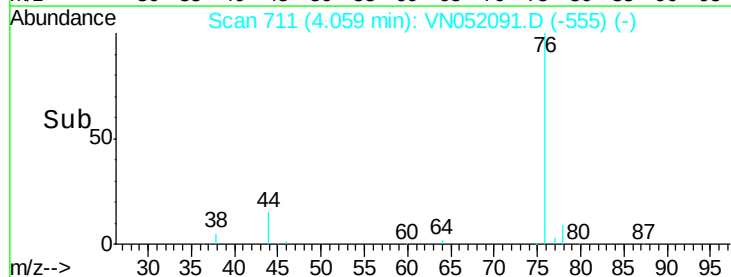
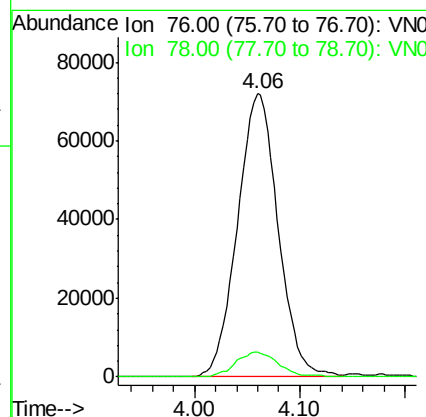
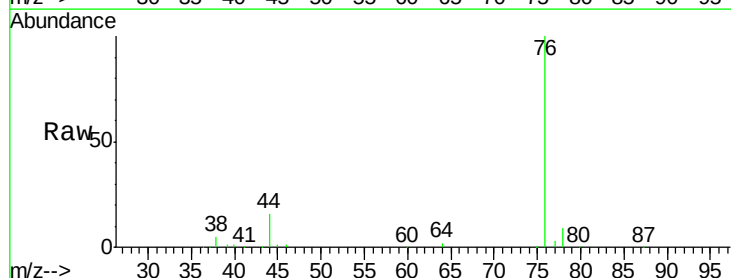
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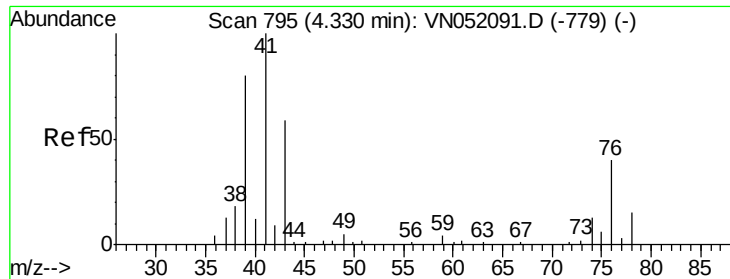
MMDadoda
11/2/2018 9:21:01 AM



#16
Carbon Disulfide
Concen: 19.420 ug/l
RT: 4.06 min Scan# 711
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 76 Resp: 192747
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6





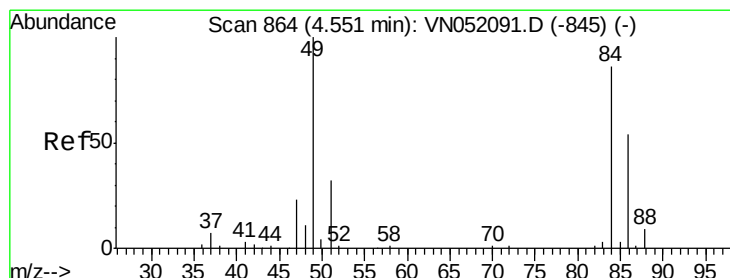
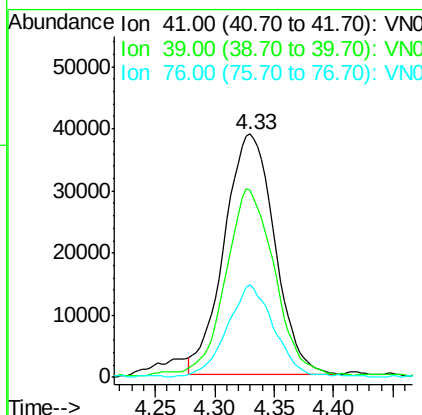
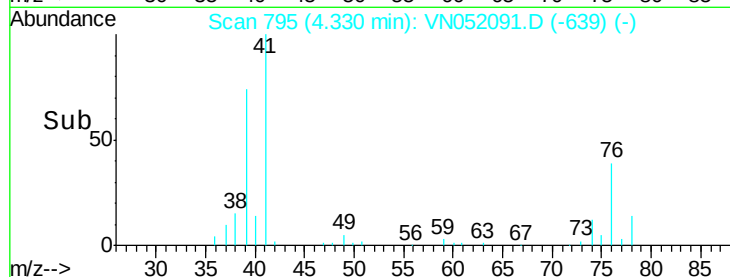
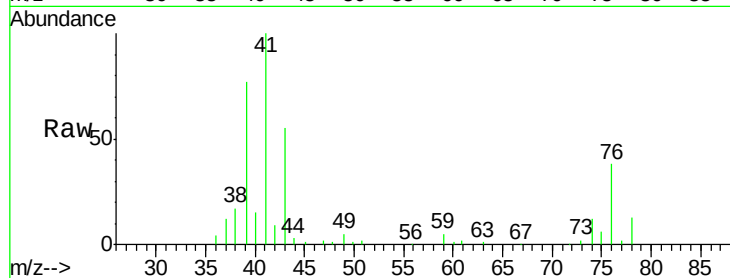
#17
 Allyl chloride
 Concen: 19.871 ug/l
 RT: 4.33 min Scan# 795
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 41 Resp: 113408
 Ion Ratio Lower Upper
 41 100
 39 76.7 38.4 115.1
 76 37.5 18.8 56.3

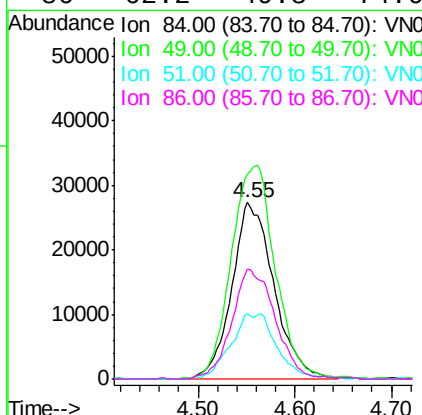
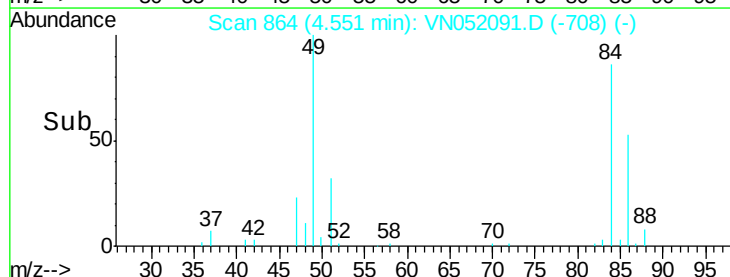
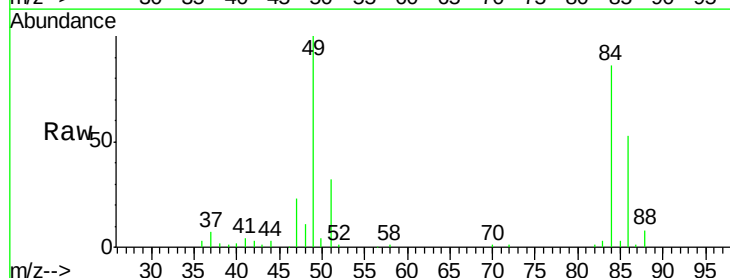
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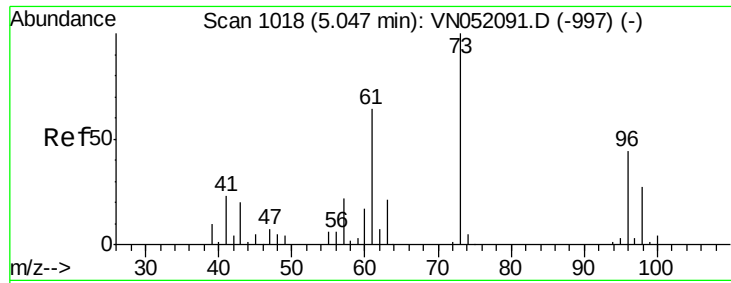
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 11/2/2018 9:21:01 AM



#18
 Methylene Chloride
 Concen: 19.941 ug/l
 RT: 4.55 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 84 Resp: 82733
 Ion Ratio Lower Upper
 84 100
 49 115.7 92.6 138.8
 51 37.1 29.7 44.5
 86 62.2 49.8 74.6





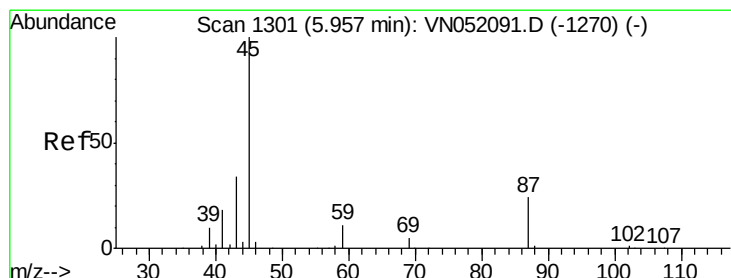
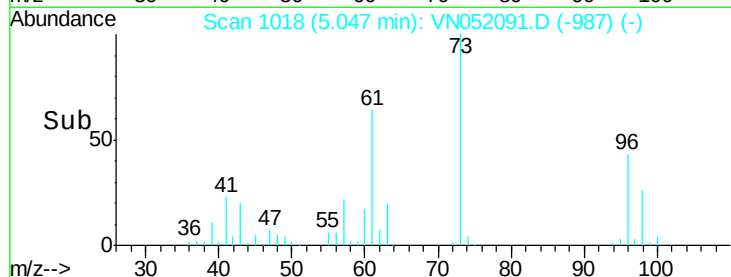
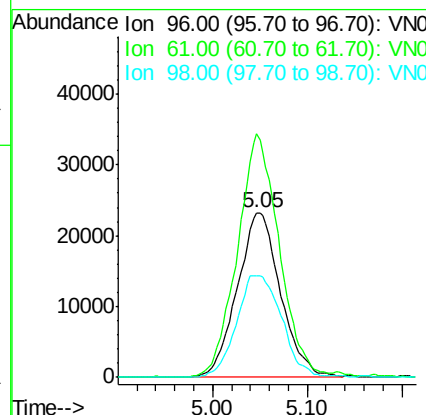
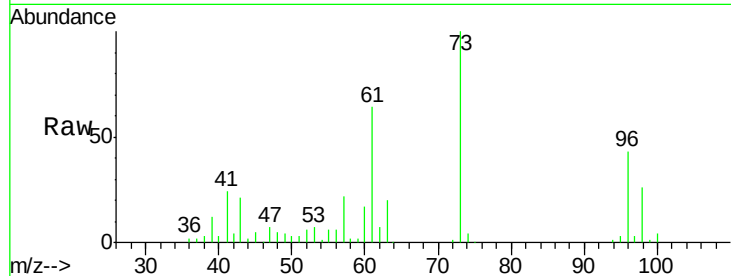
#19
trans-1,2-Dichloroethene
Concen: 20.003 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.2	117.8	176.6
98	61.6	49.3	73.9

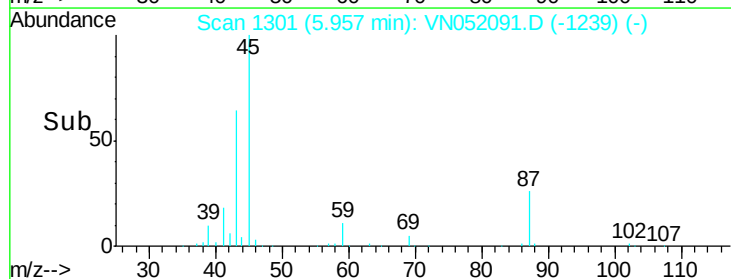
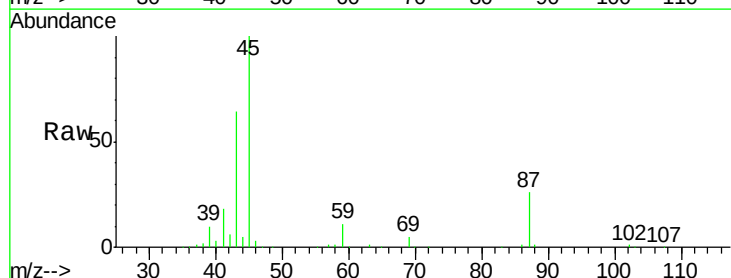
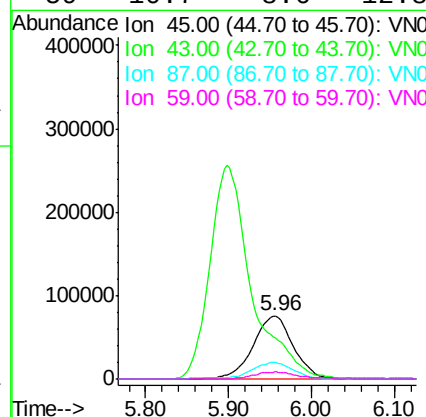
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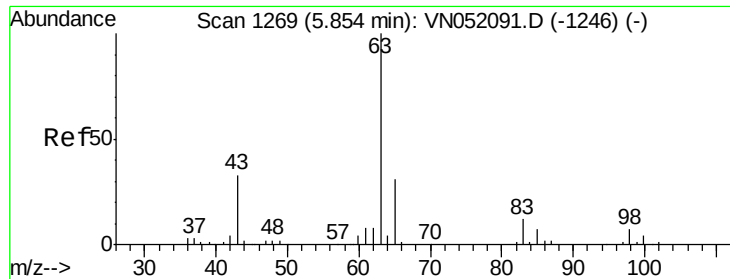
MMDadoda
11/2/2018 9:21:01 AM



#20
Diisopropyl ether
Concen: 20.346 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.7	49.4	74.0
87	25.4	20.3	30.5
59	10.7	8.6	12.8





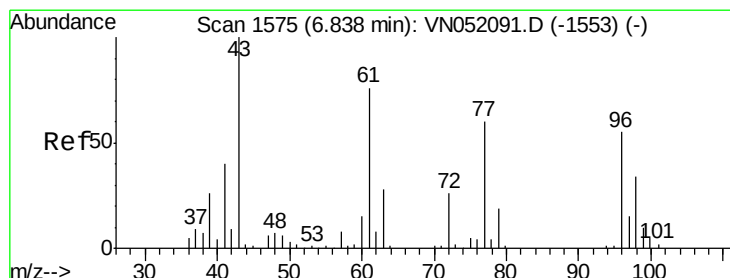
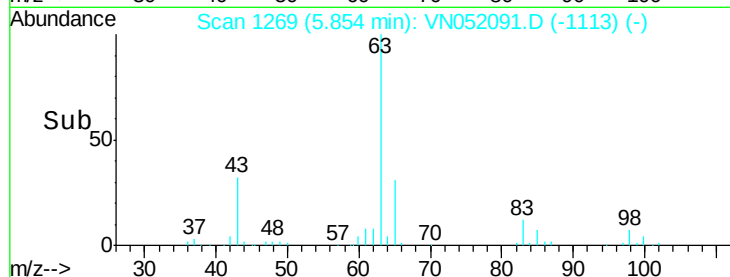
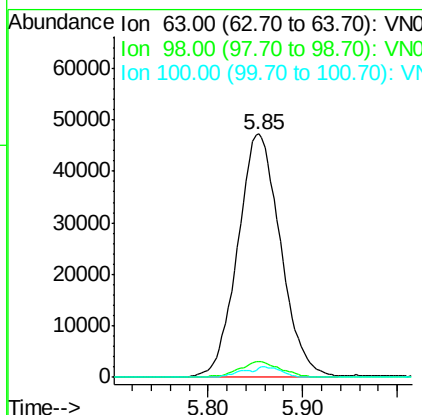
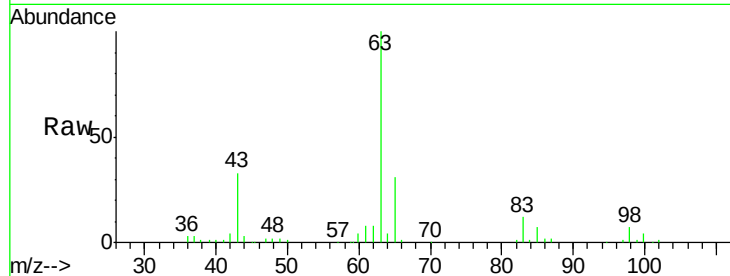
#21
 1,1-Dichloroethane
 Concen: 20.514 ug/l
 RT: 5.85 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.4	10.1
100	3.9	2.0	5.8

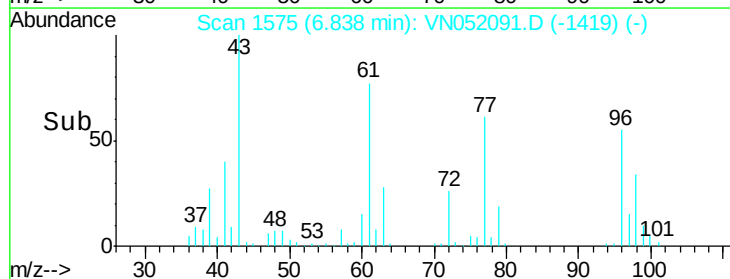
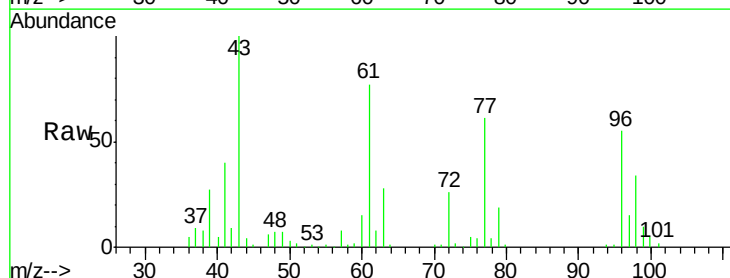
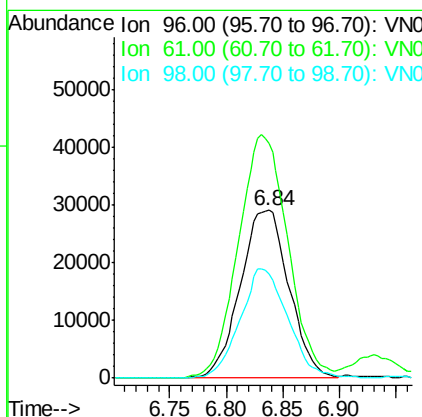
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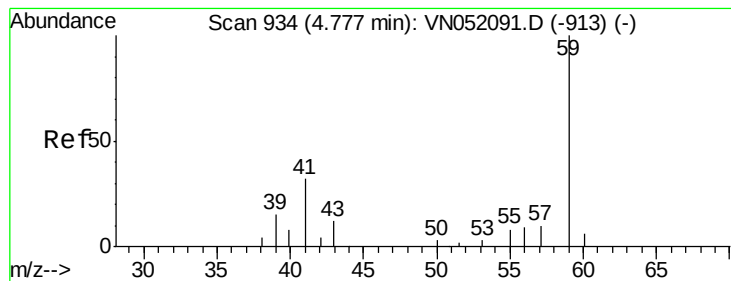
MMDadoda
 11/2/2018 9:21:01 AM



#22
 cis-1,2-Dichloroethene
 Concen: 20.326 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.0	117.6	176.4
98	63.7	51.0	76.4





#23

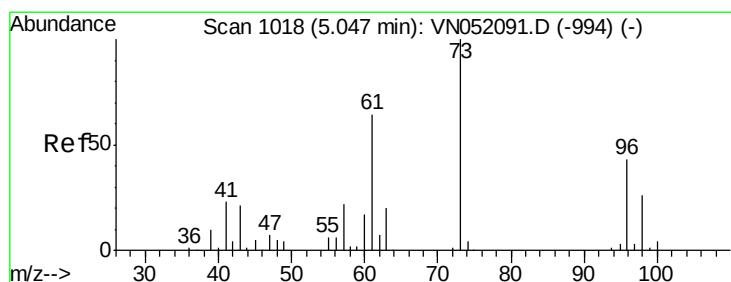
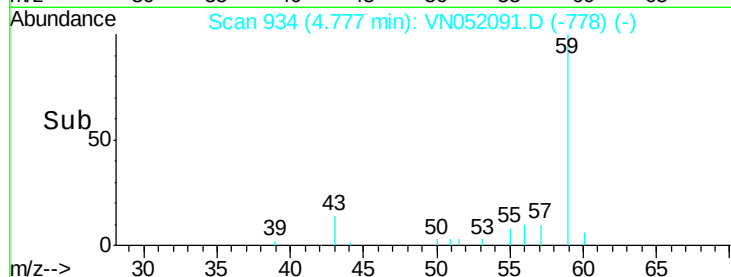
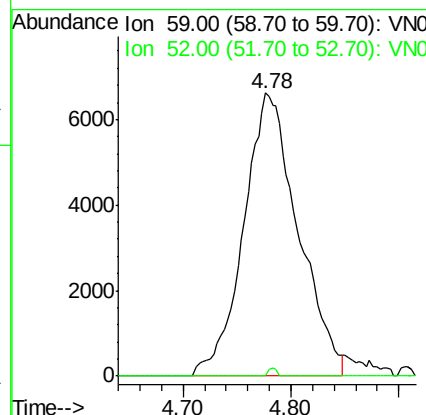
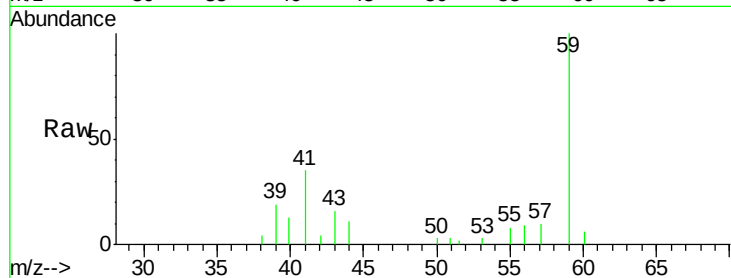
tert-Butyl Alcohol
Concen: 117.146 ug/l
RT: 4.78 min Scan# 934
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
59	100		
52	0.4	0.3	0.5

Manual Integrations
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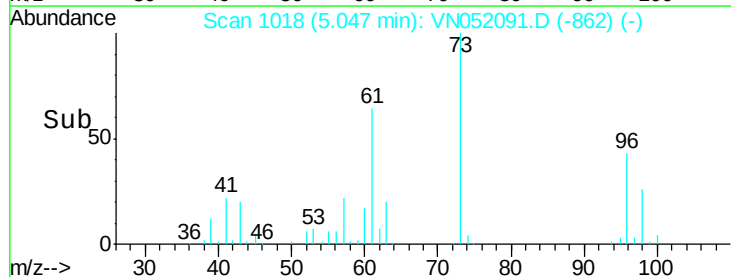
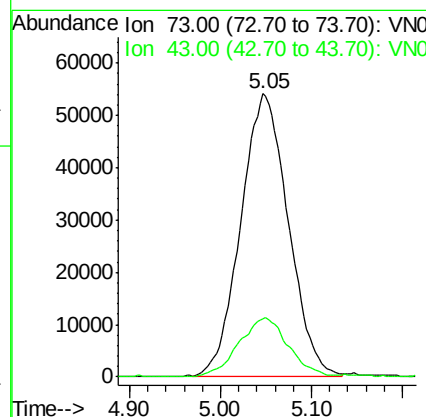
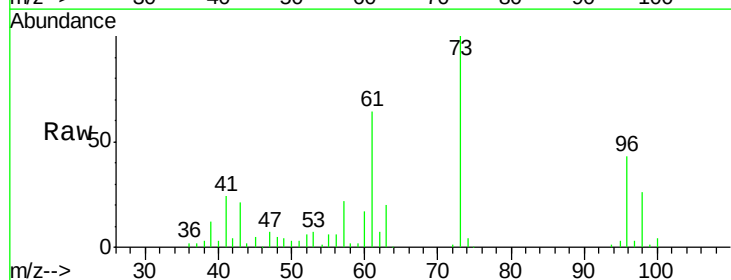
MMDadoda
11/2/2018 9:21:01 AM

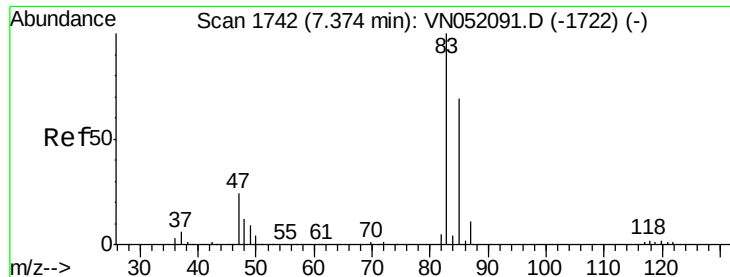


#24

Methyl tert-Butyl Ether
Concen: 20.631 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
73	100		
43	21.8	17.4	26.2





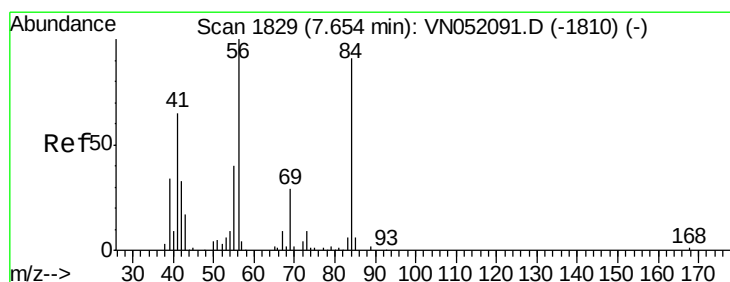
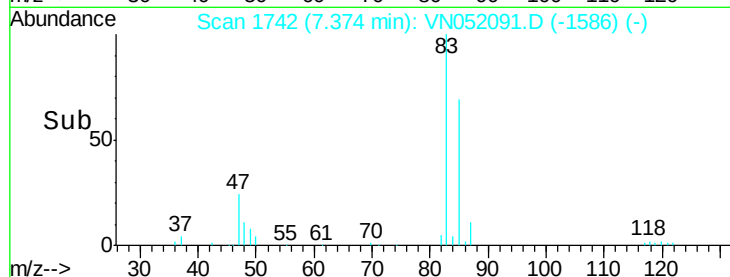
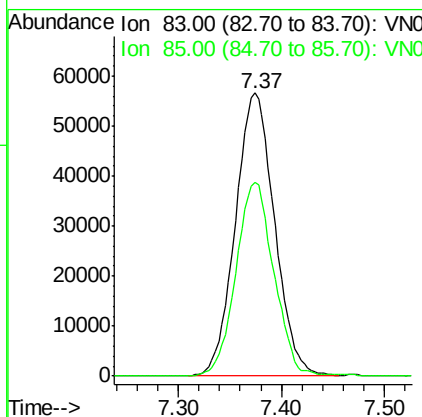
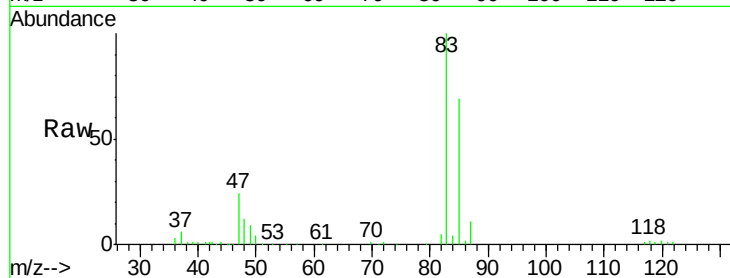
#25
Chloroform
Concen: 20.581 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	54.9	82.3

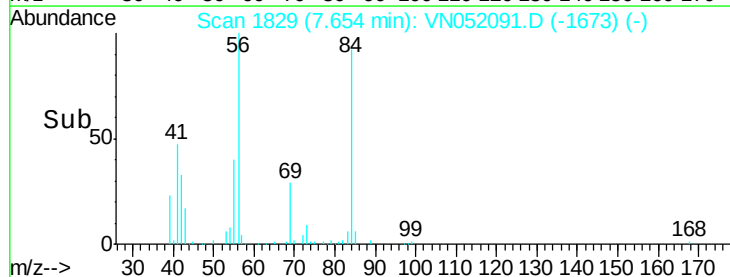
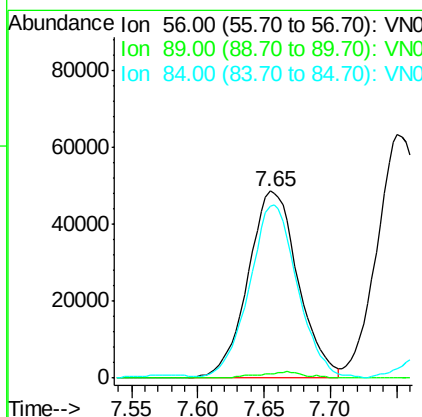
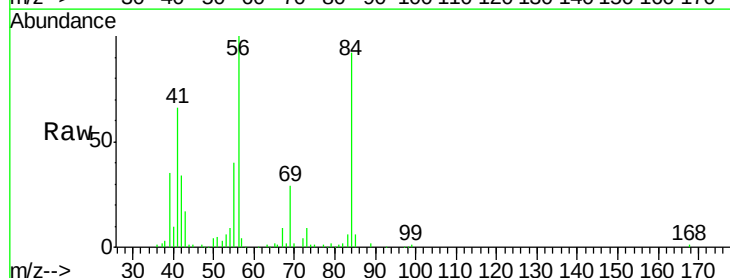
Manual Integrations
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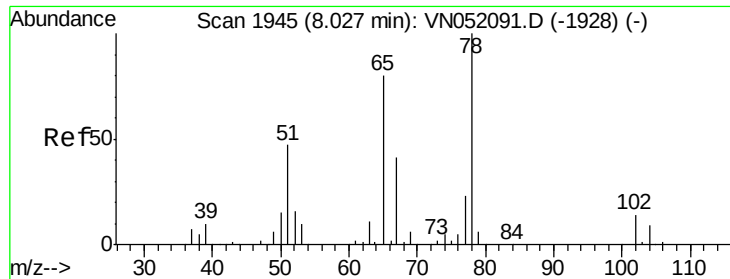
MMDadoda
11/2/2018 9:21:01 AM



#26
Cyclohexane
Concen: 19.752 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
56	100		
89	2.7	2.2	3.2
84	88.8	71.0	106.6





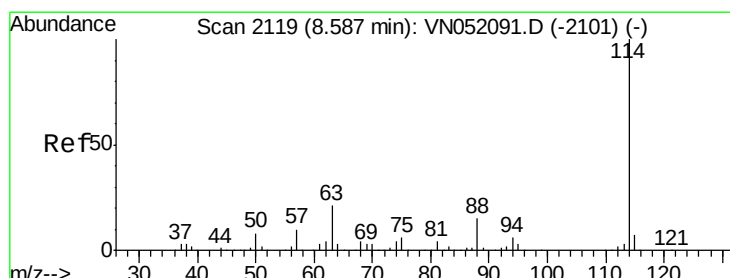
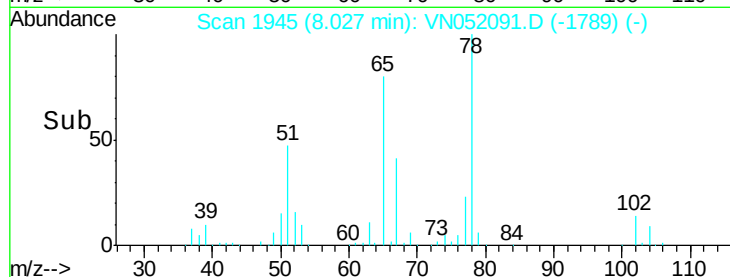
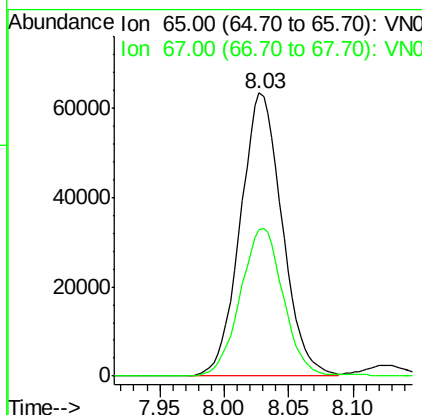
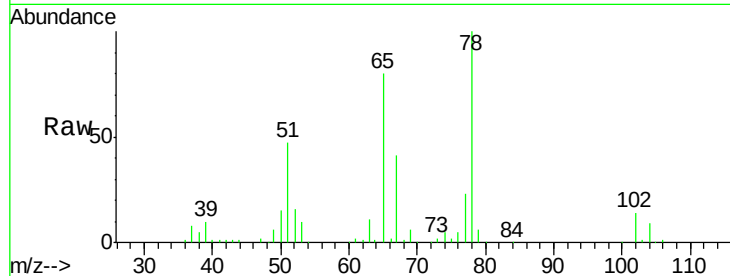
#27
 1,2-Dichloroethane-d4
 Concen: 19.752 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 65 Resp: 143361
 Ion Ratio Lower Upper
 65 100
 67 53.3 42.6 64.0

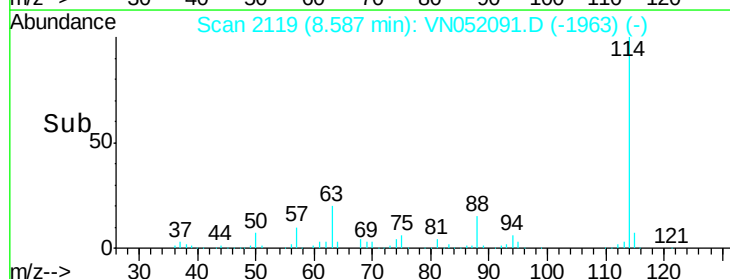
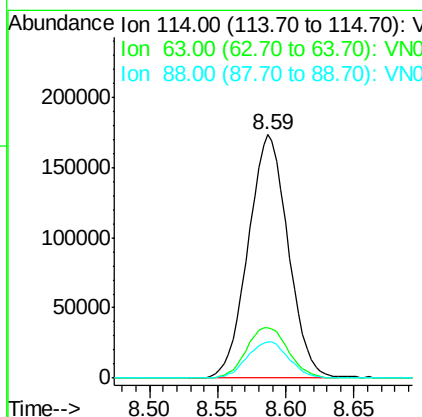
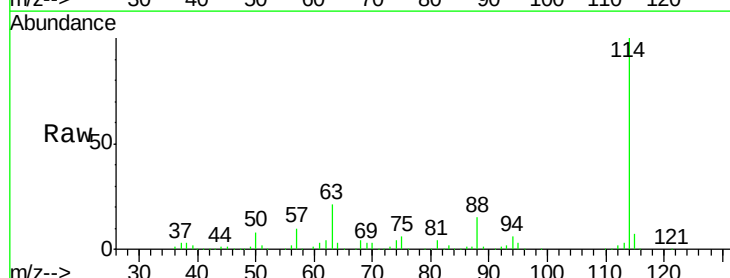
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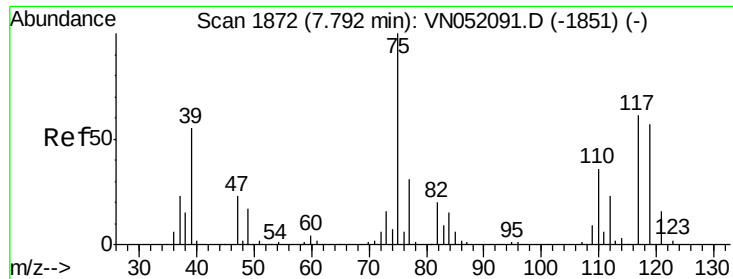
MMDadoda
 11/2/2018 9:21:01 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 114 Resp: 351493
 Ion Ratio Lower Upper
 114 100
 63 21.9 17.5 26.3
 88 15.7 12.6 18.8





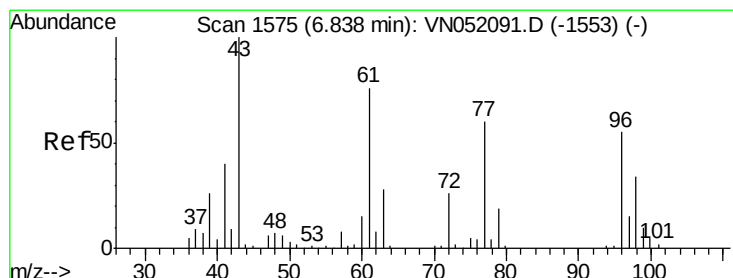
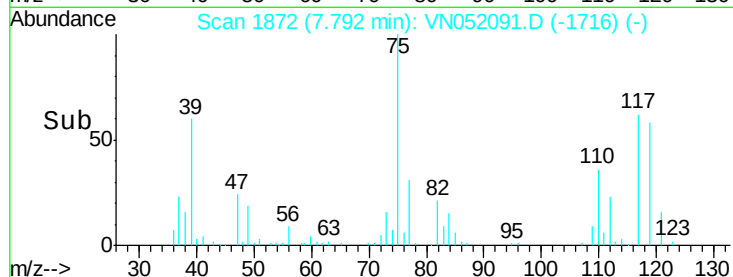
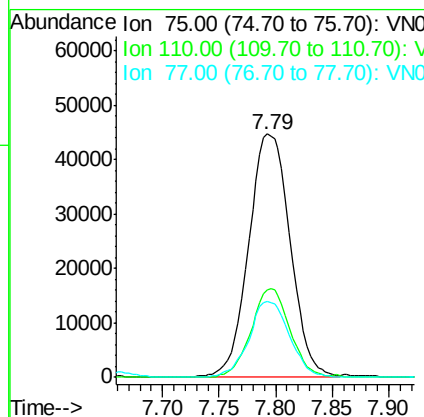
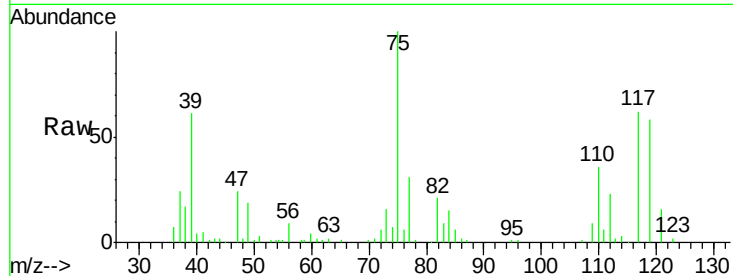
#29
 1,1-Dichloropropene
 Concen: 20.459 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.8	0.0	67.6
77	30.1	0.0	60.2

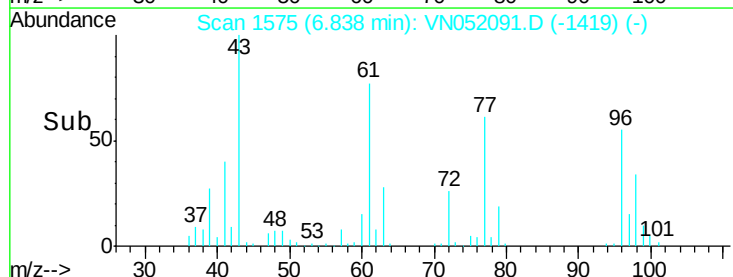
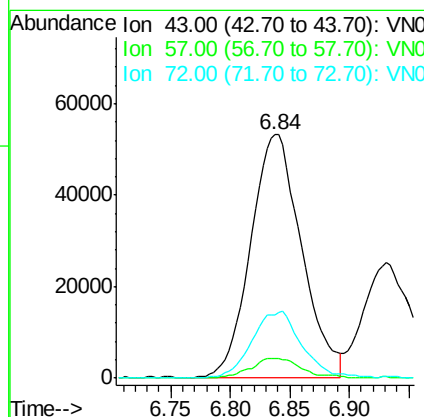
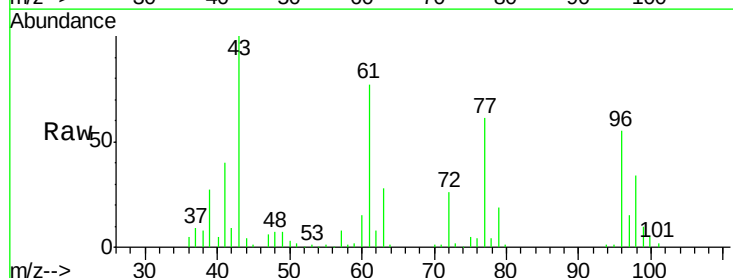
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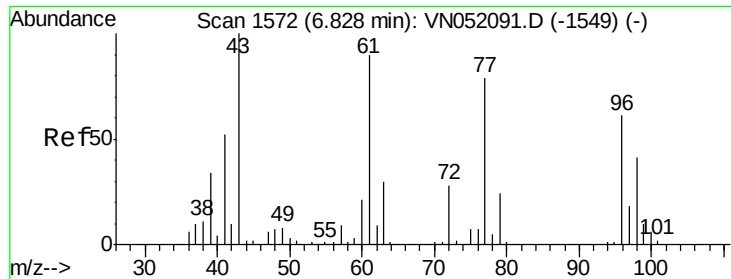
MMDadoda
 11/2/2018 9:21:01 AM



#30
 2-Butanone
 Concen: 106.258 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.2	6.6	9.8
72	11.5	9.2	13.8





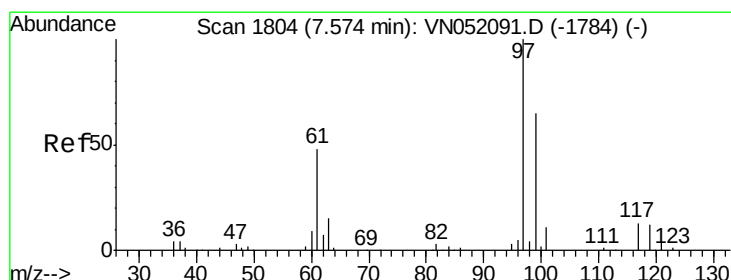
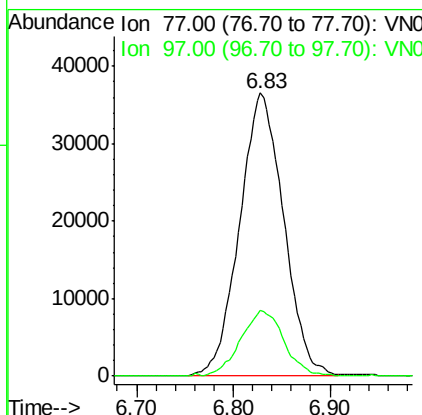
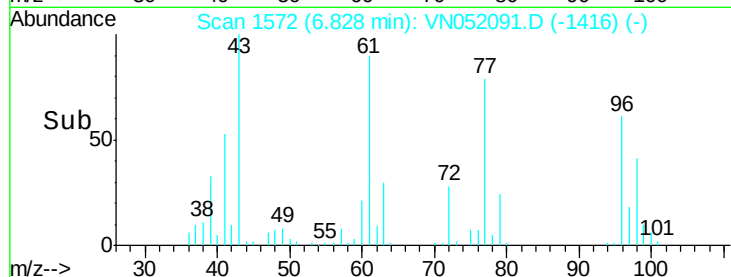
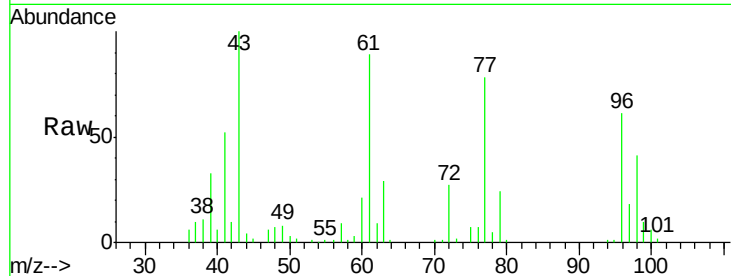
#31
 2,2-Dichloropropane
 Concen: 20.092 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 77 Resp: 115560
 Ion Ratio Lower Upper
 77 100
 97 22.7 18.2 27.2

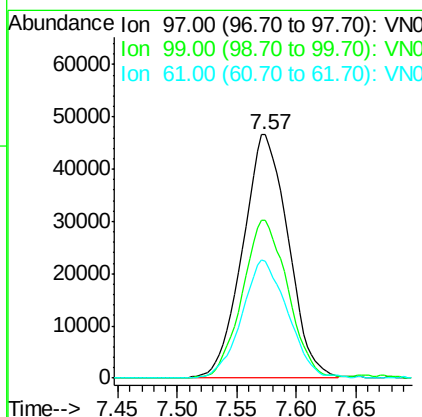
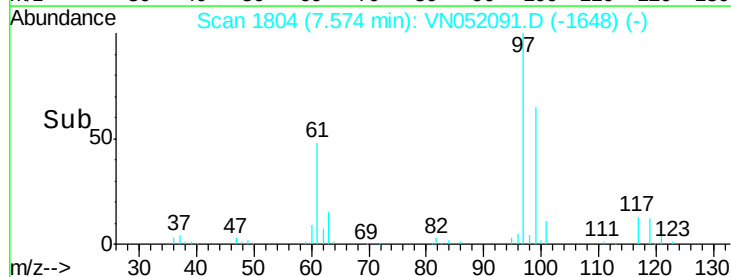
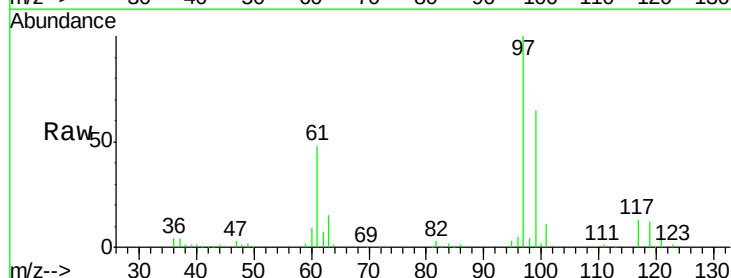
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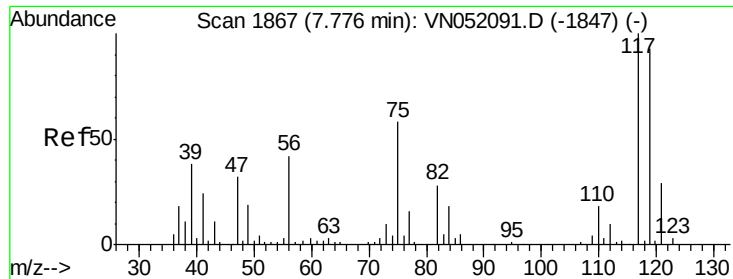
MMDadoda
 11/2/2018 9:21:01 AM



#32
 1,1,1-Trichloroethane
 Concen: 19.819 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 97 Resp: 123749
 Ion Ratio Lower Upper
 97 100
 99 64.6 51.7 77.5
 61 48.4 38.7 58.1





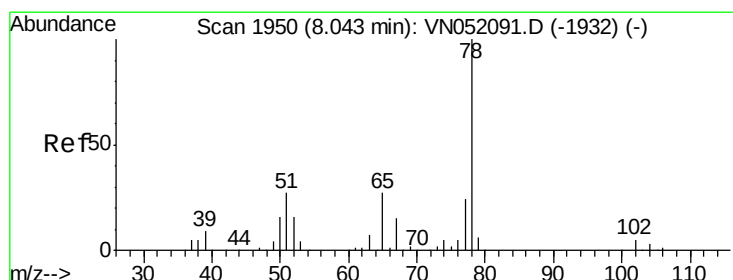
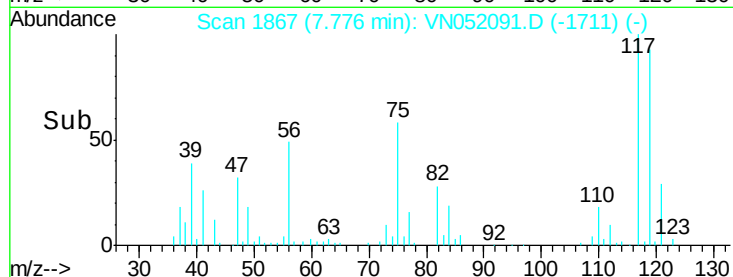
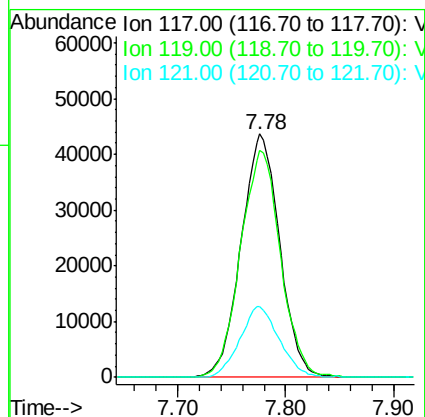
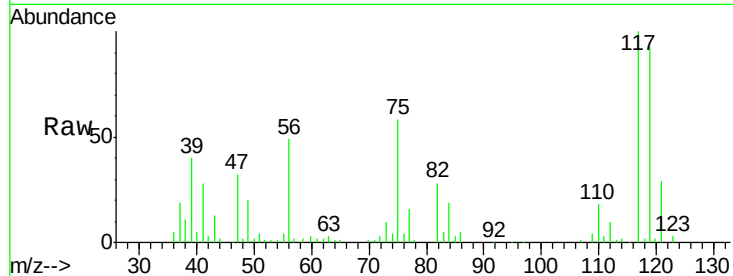
#33
Carbon Tetrachloride
Concen: 19.556 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.4	74.7	112.1
121	29.2	23.4	35.0

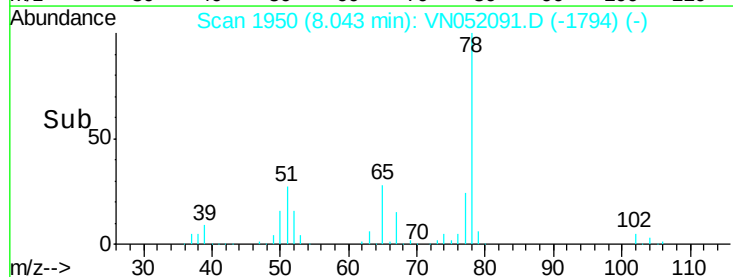
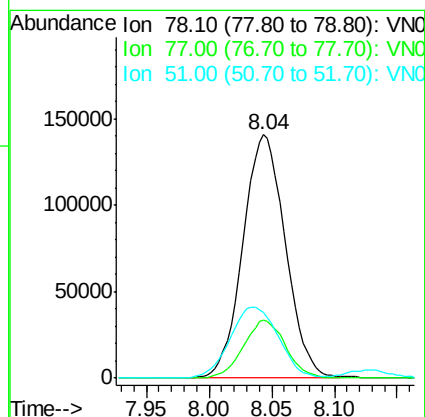
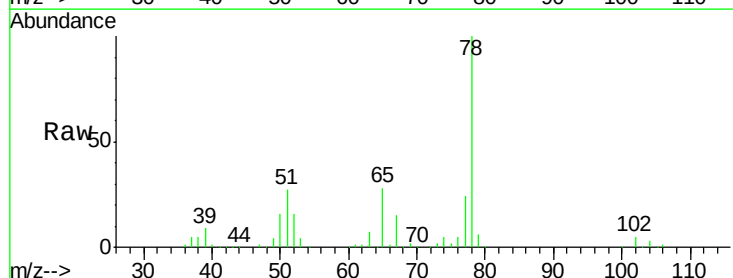
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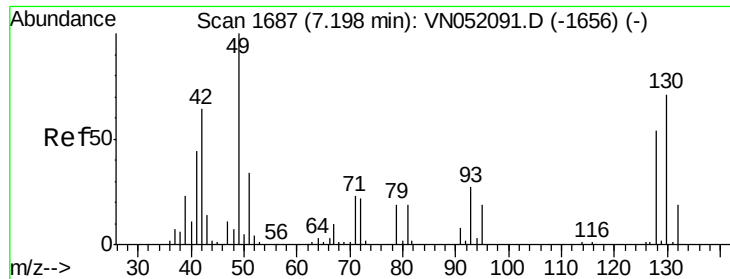
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#34
Benzene
Concen: 20.264 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.1	28.7
51	26.5	21.2	31.8





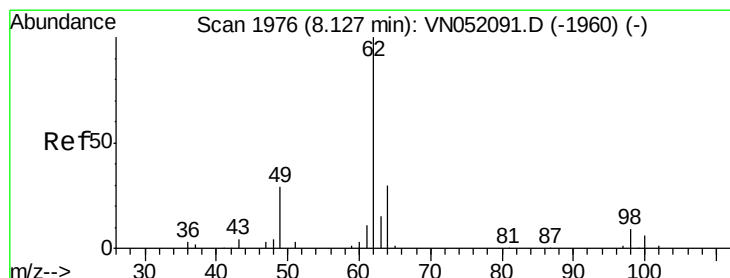
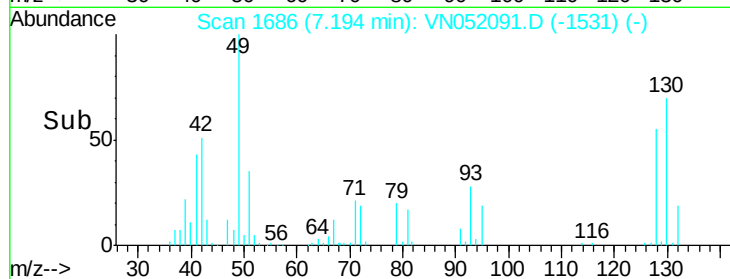
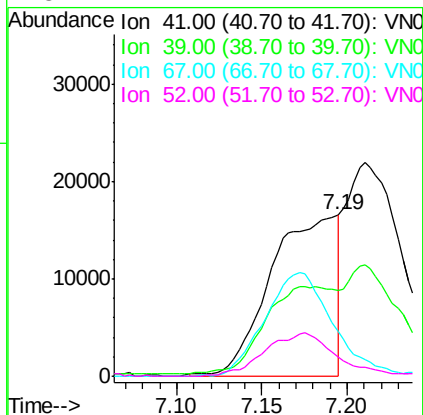
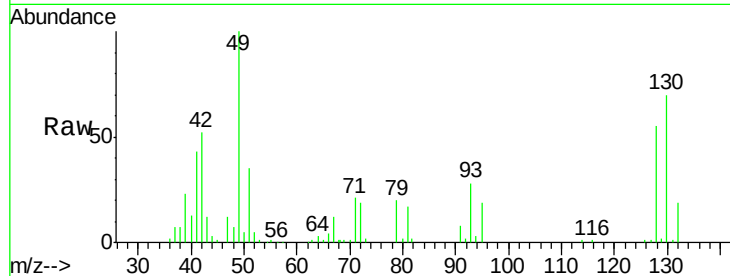
#35
Methacrylonitrile
Concen: 14.859 ug/l m
RT: 7.19 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.4	26.1	78.3	
67	27.9	11.0	33.0	
52	12.2	4.7	14.1	

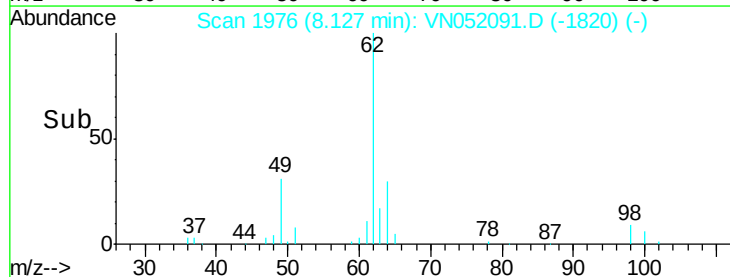
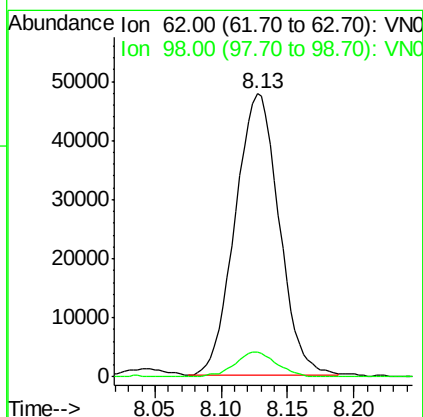
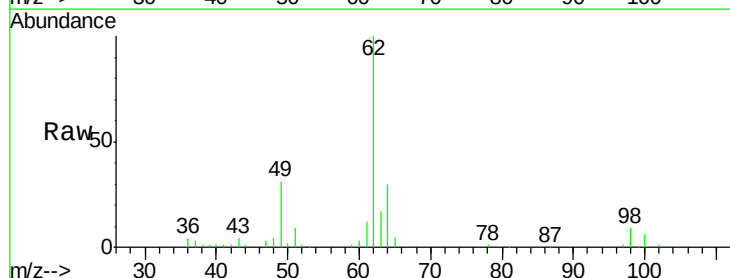
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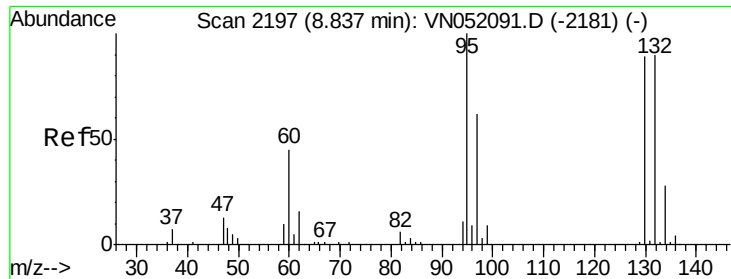
MMDadoda
11/2/2018 9:21:01 AM



#36
1,2-Dichloroethane
Concen: 20.170 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.4	6.7	10.1	





#37

Trichloroethene

Concen: 19.151 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampled :

VSTDICCC020

Tgt Ion:130 Resp: 78322

Ion Ratio Lower Upper

130 100

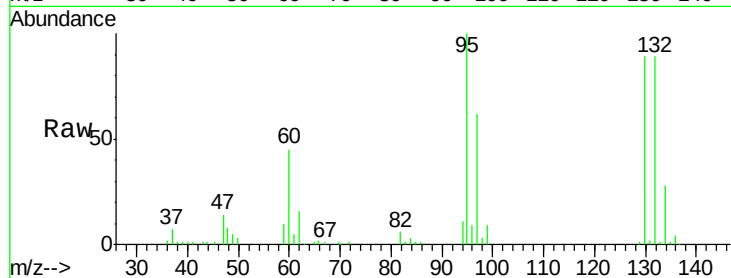
95 112.4 89.9 134.9

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

50000

40000

30000

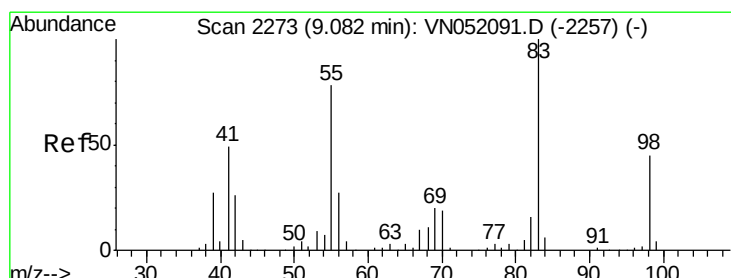
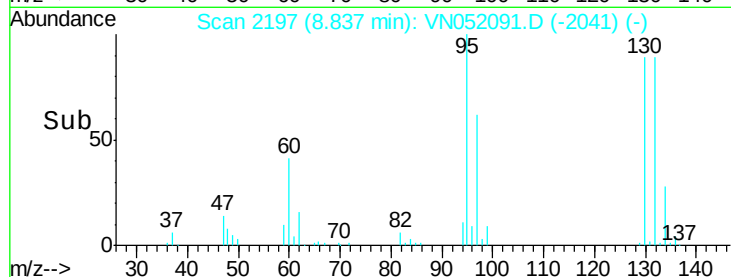
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.806 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

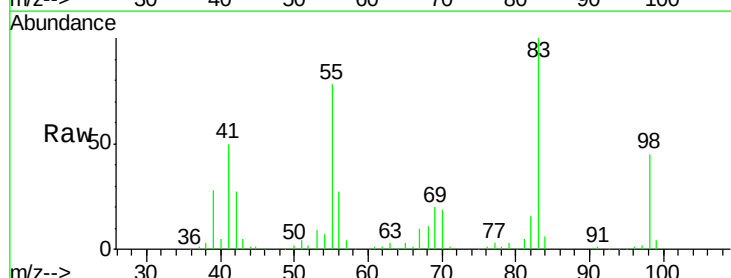
Tgt Ion: 83 Resp: 134830

Ion Ratio Lower Upper

83 100

55 76.9 38.5 115.3

98 46.4 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

80000

60000

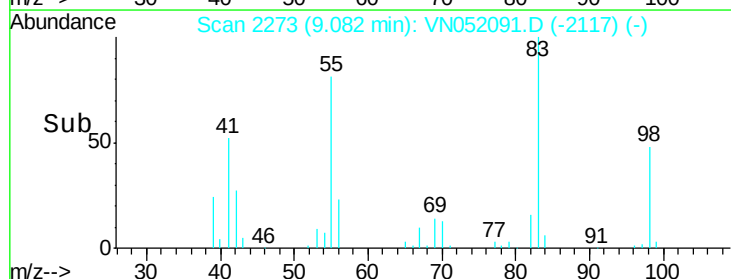
40000

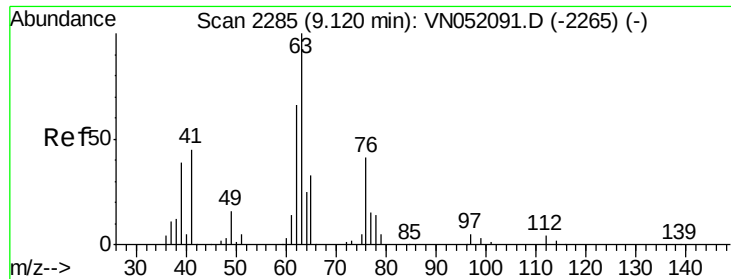
20000

0

9.00 9.05 9.10 9.15

Time-->





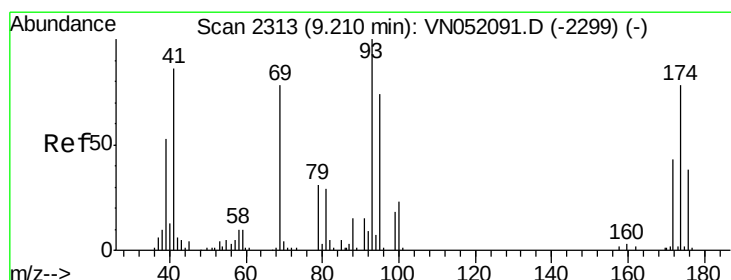
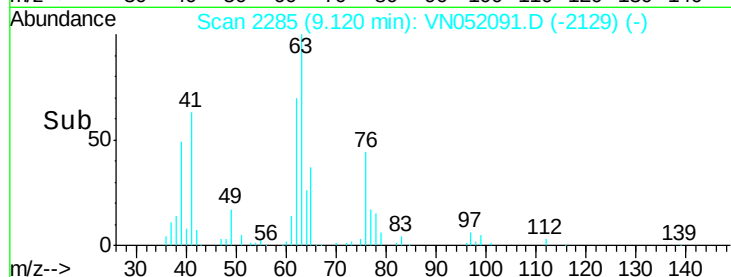
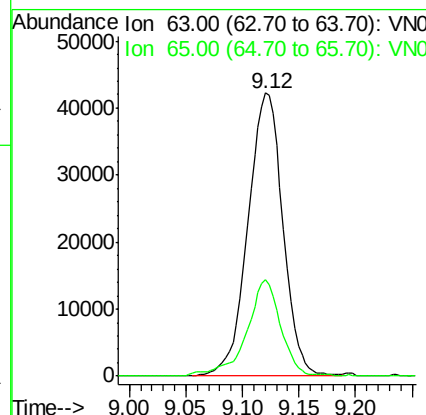
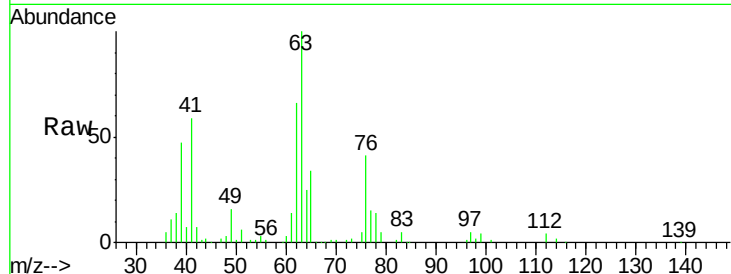
#39
 1,2-Dichloropropane
 Concen: 20.885 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 63 Resp: 90842
 Ion Ratio Lower Upper
 63 100
 65 34.1 27.3 40.9

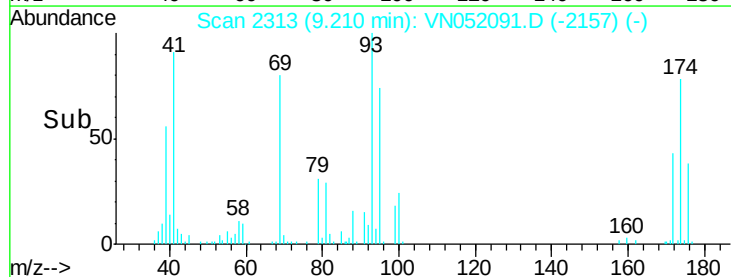
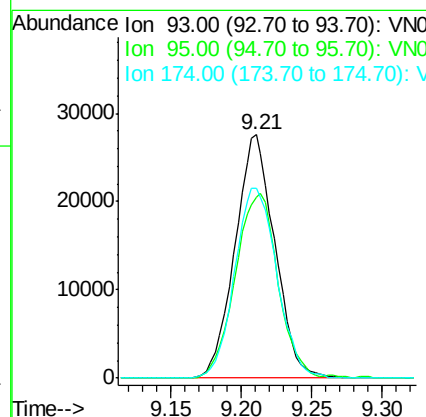
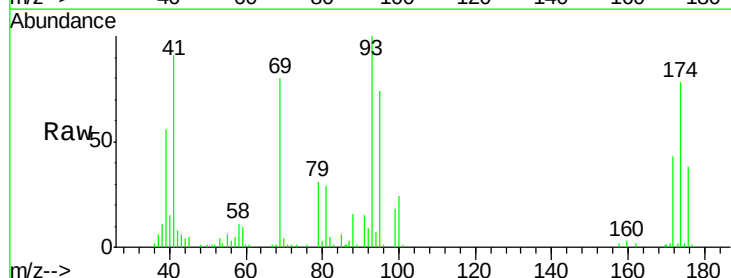
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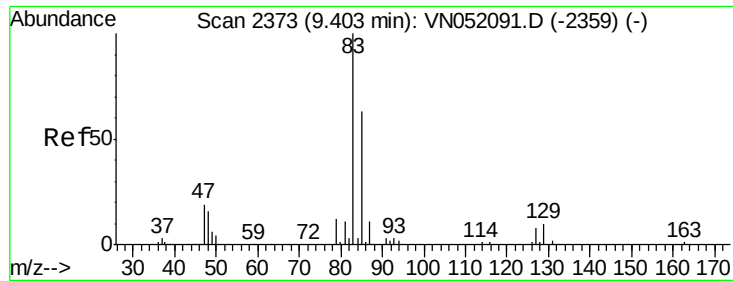
MMDadoda
 11/2/2018 9:21:01 AM



#40
 Dibromomethane
 Concen: 20.367 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 93 Resp: 54605
 Ion Ratio Lower Upper
 93 100
 95 80.6 0.0 161.2
 174 82.5 0.0 165.0





#41

Bromodichloromethane

Concen: 20.000 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

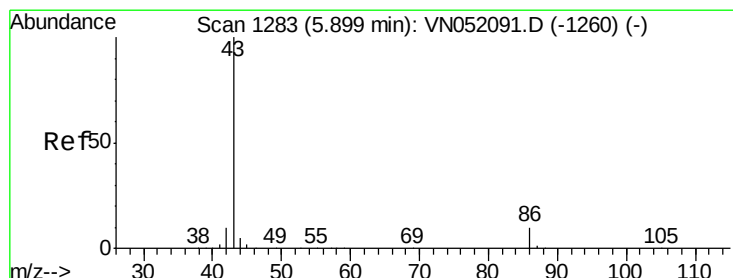
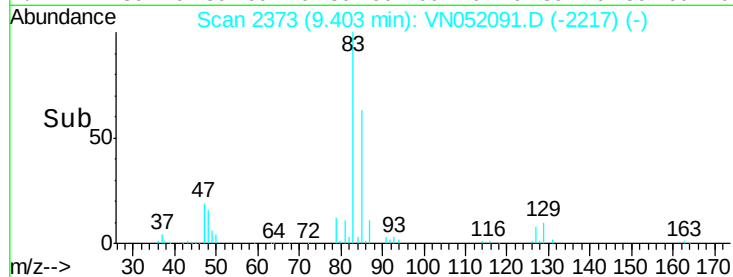
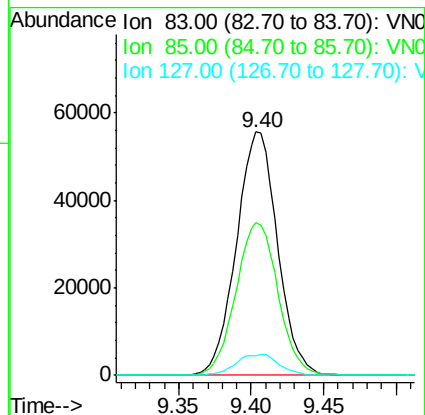
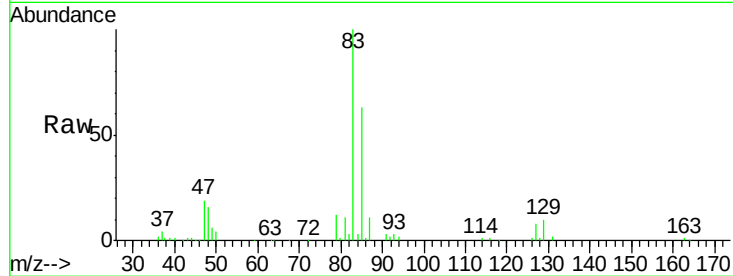
ClientSampleId :

VSTDICCC020

Tgt Ion:	83	Resp:	109710
Ion Ratio	Lower	Upper	
83	100		
85	62.7	50.2	75.2
127	8.3	6.6	10.0

Manual Integrations
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MMDadoda
11/2/2018 9:21:01 AM



#42

Vinyl Acetate

Concen: 102.606 ug/l

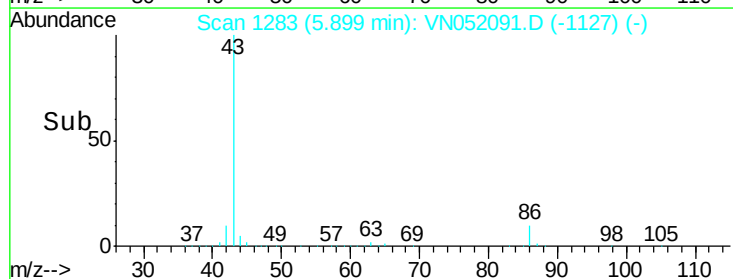
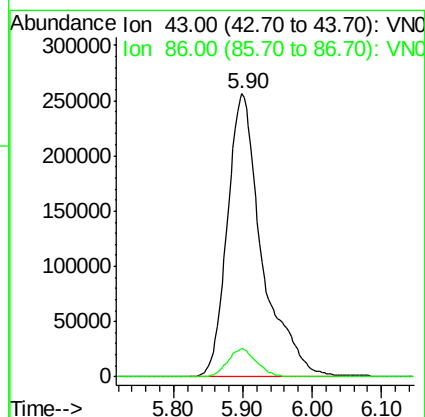
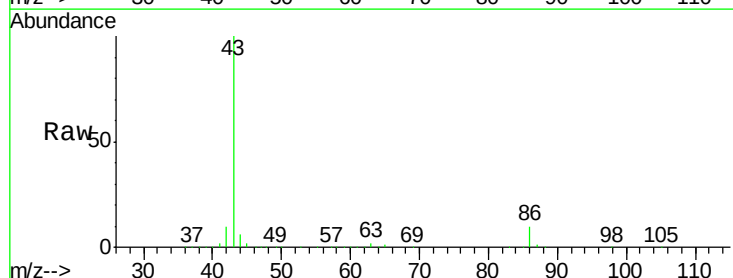
RT: 5.90 min Scan# 1283

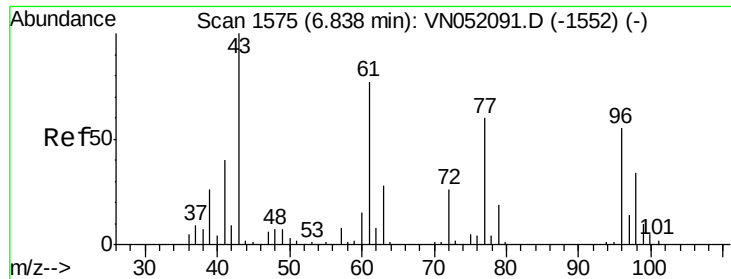
Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Tgt Ion:	43	Resp:	892680
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.6	10.0





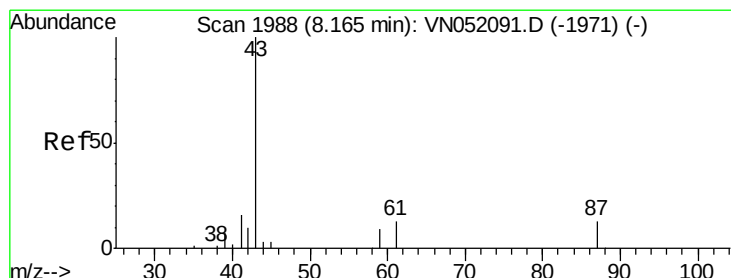
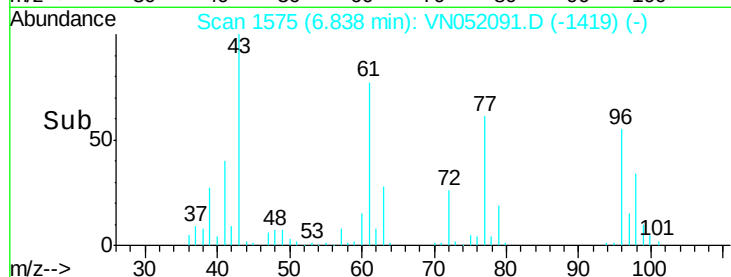
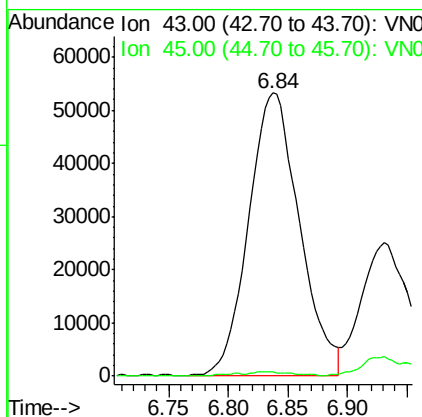
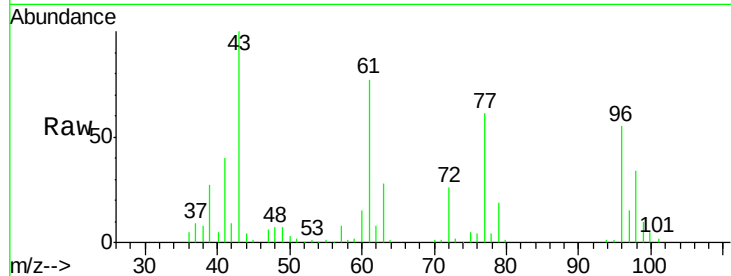
#43
Ethyl Acetate
Concen: 15.265 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion: 43 Resp: 157912
Ion Ratio Lower Upper
43 100
45 0.3 3.8 5.8#

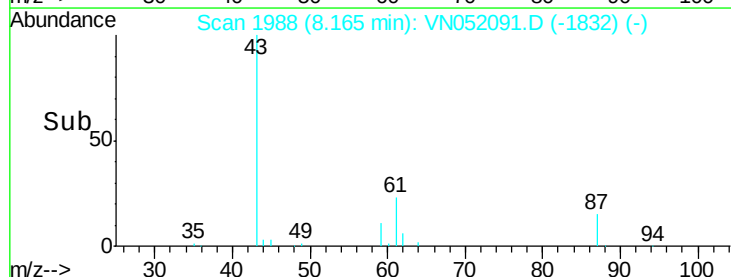
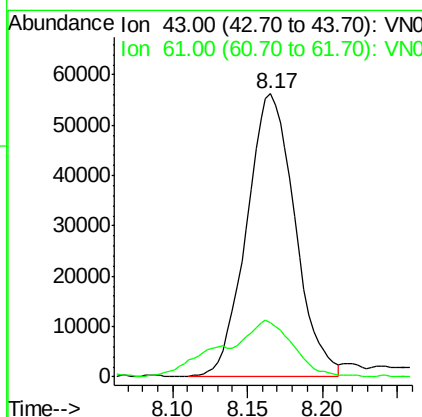
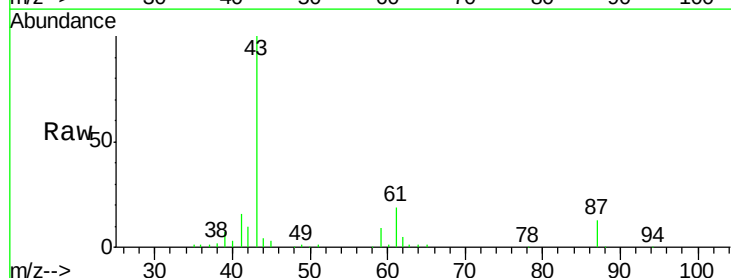
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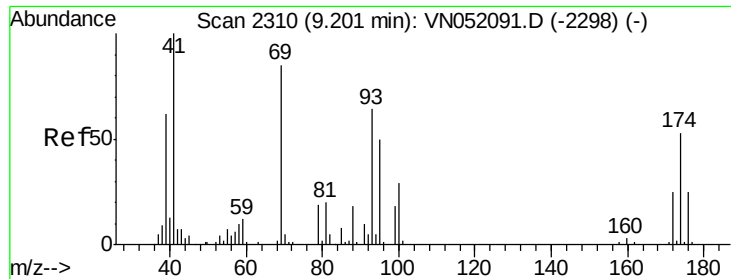
MMDadoda
11/2/2018 9:21:01 AM



#44
Isopropyl Acetate
Concen: 20.259 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 43 Resp: 125271
Ion Ratio Lower Upper
43 100
61 20.2 16.2 24.2





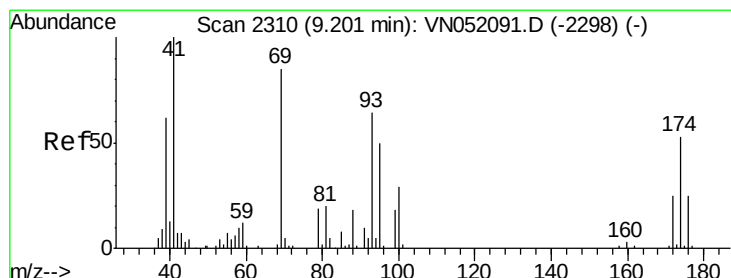
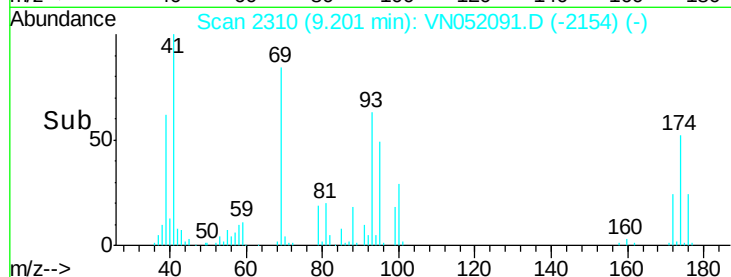
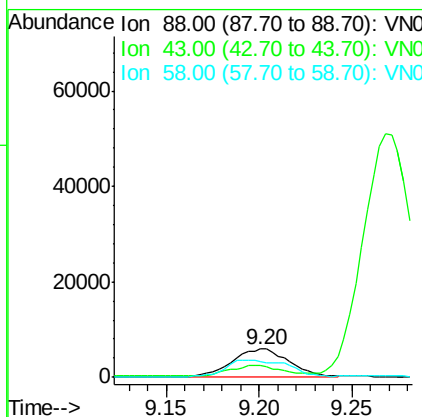
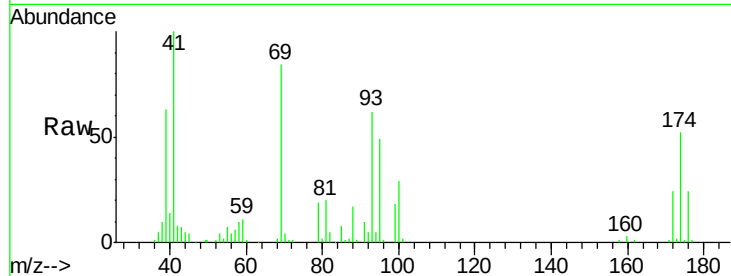
#45
 1,4-Dioxane
 Concen: 454.468 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	12820		
43	35.8	28.6	43.0	
58	47.3	37.8	56.8	

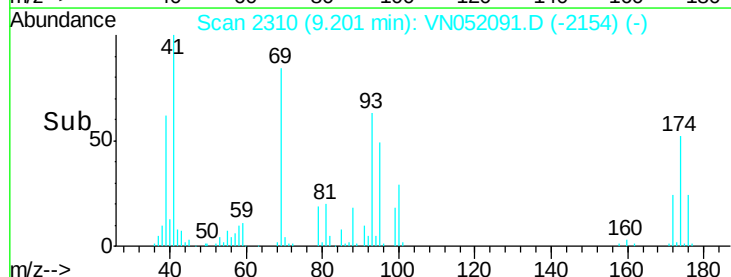
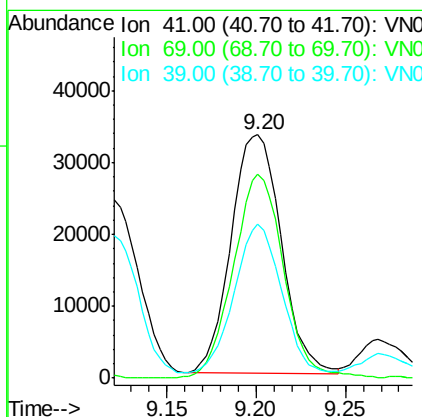
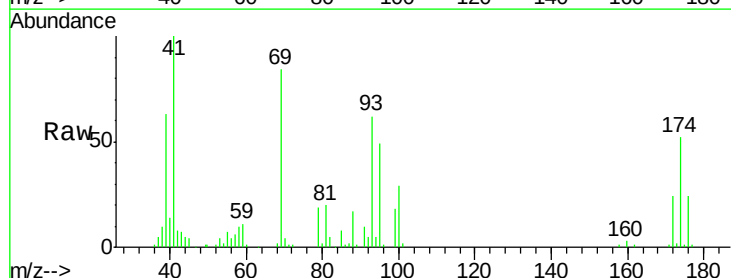
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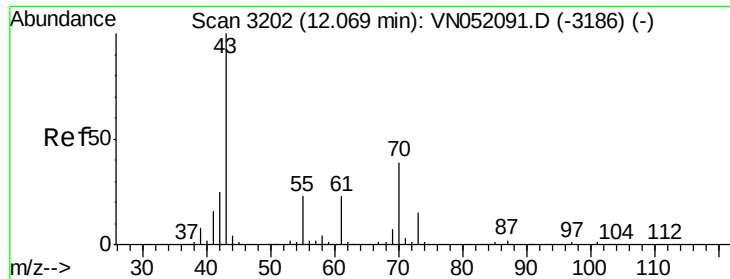
MMDadoda
 11/2/2018 9:21:01 AM



#46
 Methyl methacrylate
 Concen: 21.121 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	65012		
69	85.1	42.5	127.6	
39	62.2	31.1	93.3	





#47

n-amyl Acetate

Concen: 19.751 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 43 Resp: 110795

Ion Ratio Lower Upper

43 100

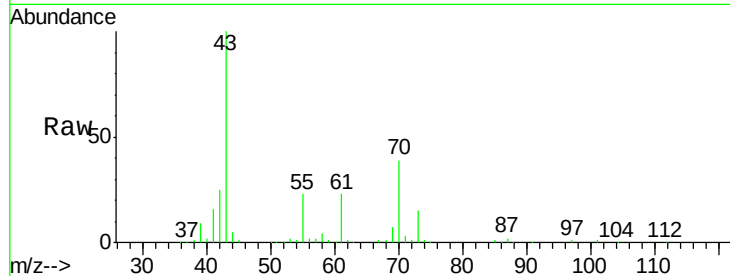
55 23.9 0.0 0.0#

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

12.07

80000

60000

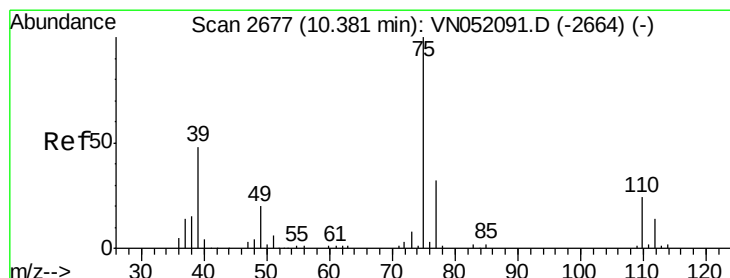
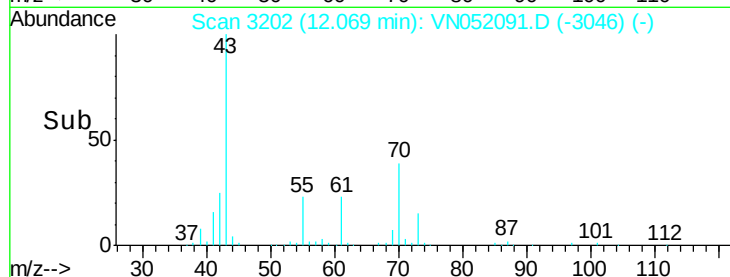
40000

20000

0

Time-->

12.00 12.05 12.10 12.15



#48

t-1,3-Dichloropropene

Concen: 19.756 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052091.D

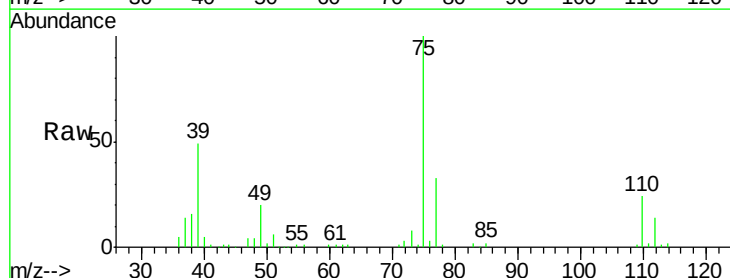
Acq: 1 Nov 2018 8:49

Tgt Ion: 75 Resp: 107614

Ion Ratio Lower Upper

75 100

77 32.9 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

60000

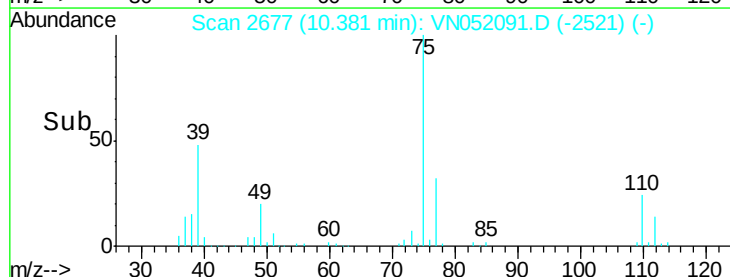
40000

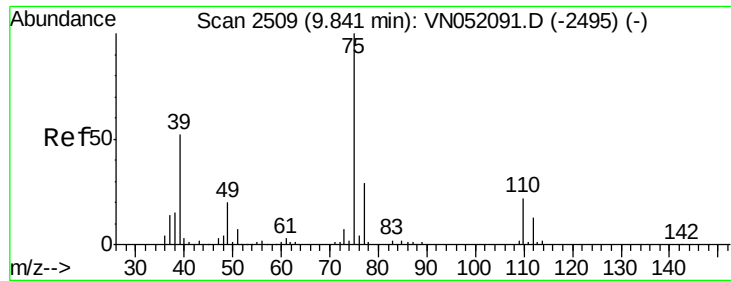
20000

0

Time-->

10.30 10.35 10.40 10.45





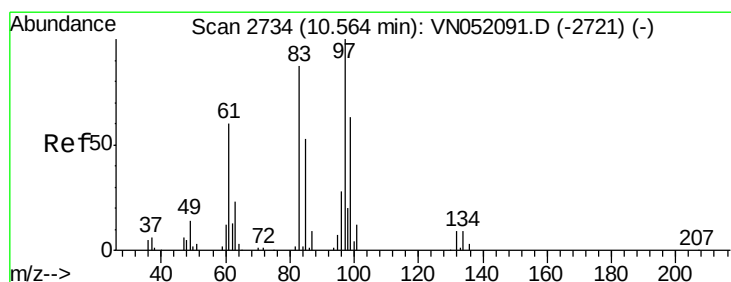
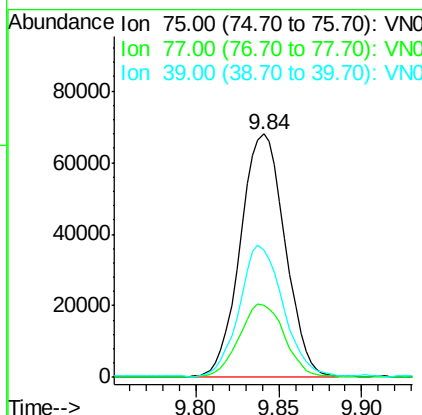
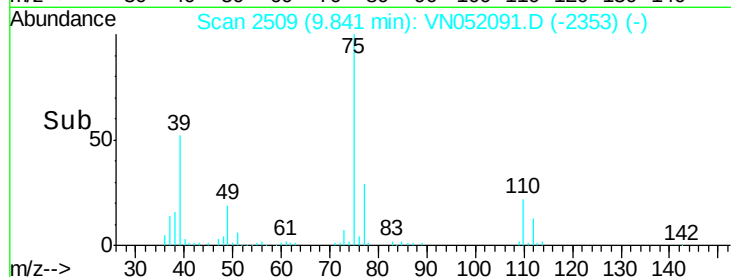
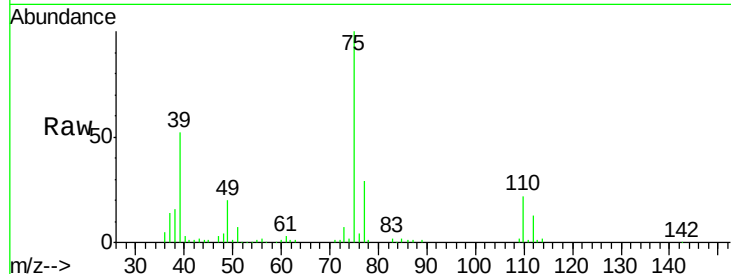
#49
 cis-1,3-Dichloropropene
 Concen: 20.355 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.1	23.3	34.9
39	52.0	41.6	62.4

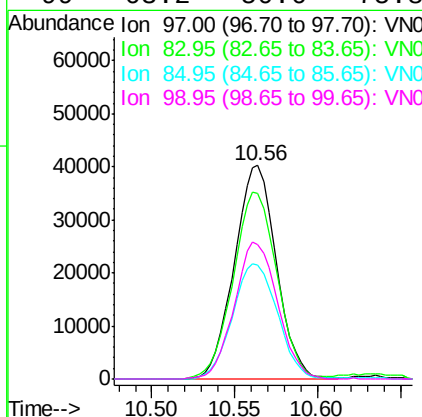
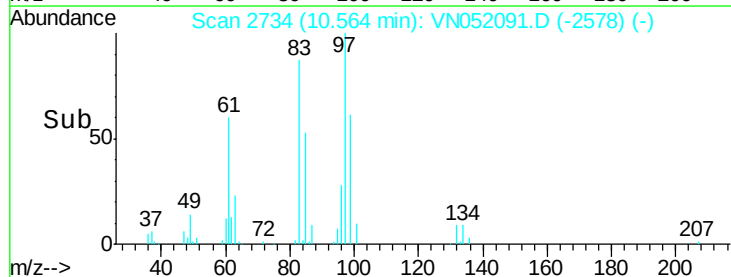
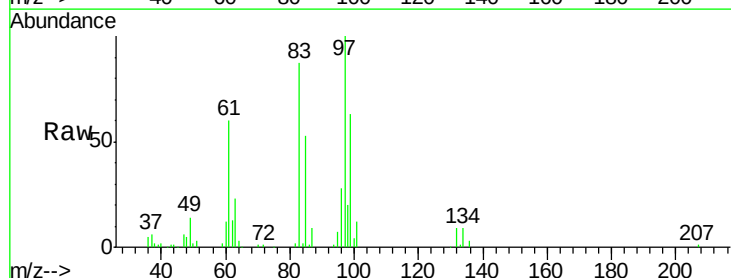
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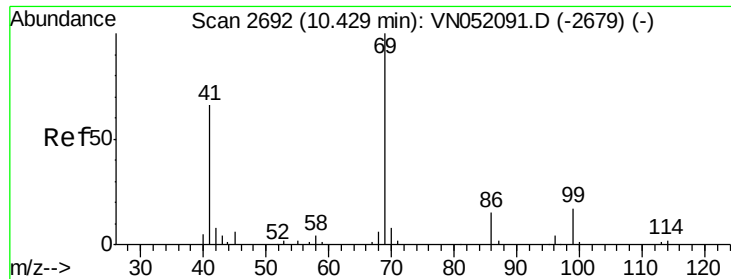
MMDadoda
 11/2/2018 9:21:01 AM



#50
 1,1,2-Trichloroethane
 Concen: 20.022 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
97	100		
83	86.7	69.4	104.0
85	53.4	42.7	64.1
99	63.2	50.6	75.8





#51

Ethyl methacrylate

Concen: 20.014 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 69 Resp: 91700
Ion Ratio Lower Upper

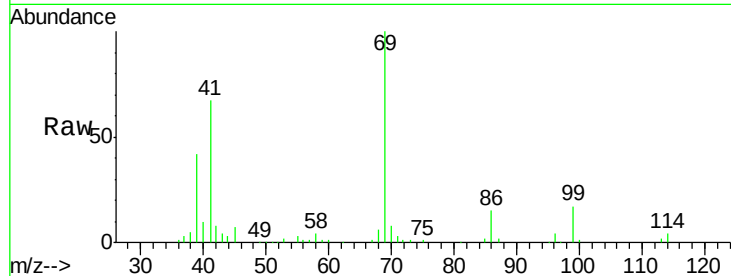
69 100

41 66.0 33.0 99.0

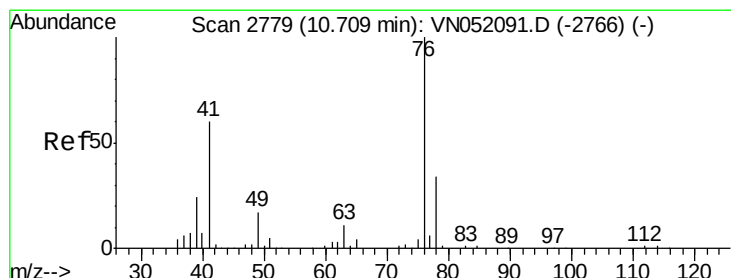
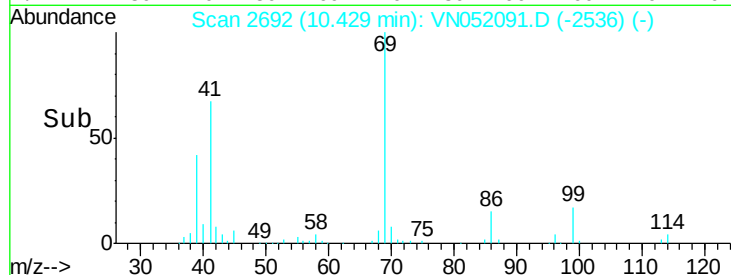
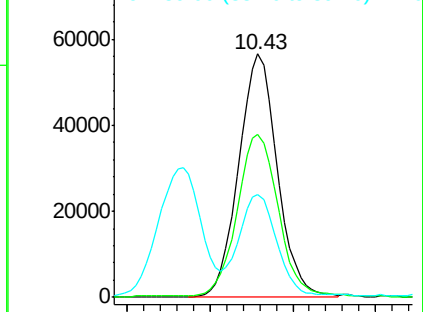
39 41.4 20.7 62.1

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Abundance Ion 69.00 (68.70 to 69.70): VNC
Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC



#52

1,3-Dichloropropane

Concen: 20.195 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

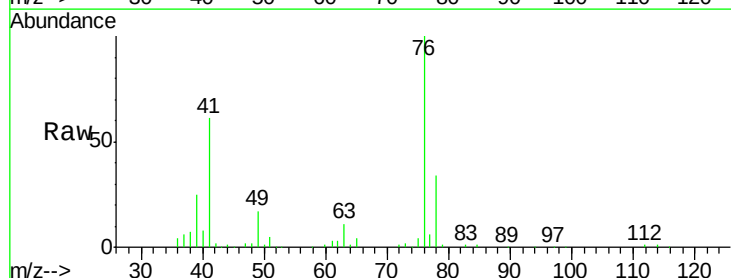
Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

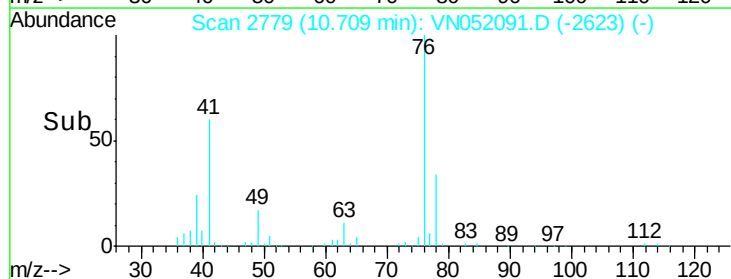
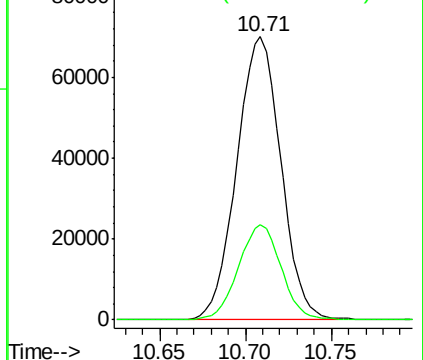
Tgt Ion: 76 Resp: 124708
Ion Ratio Lower Upper

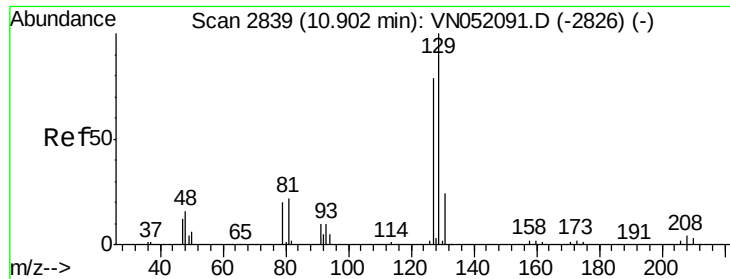
76 100

78 32.5 0.0 65.0



Abundance Ion 76.00 (75.70 to 76.70): VNC
Ion 78.00 (77.70 to 78.70): VNC





#53

Dibromochloromethane

Concen: 19.525 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion:129 Resp: 74728

Ion Ratio Lower Upper

129 100

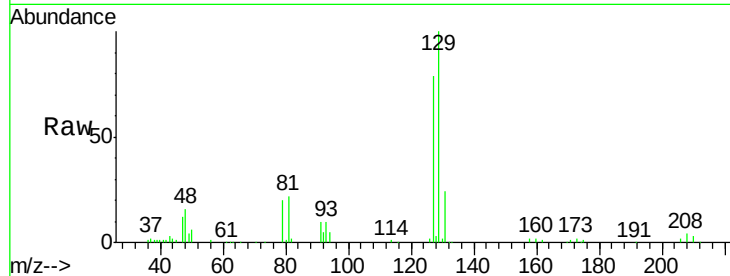
127 78.4 39.2 117.6

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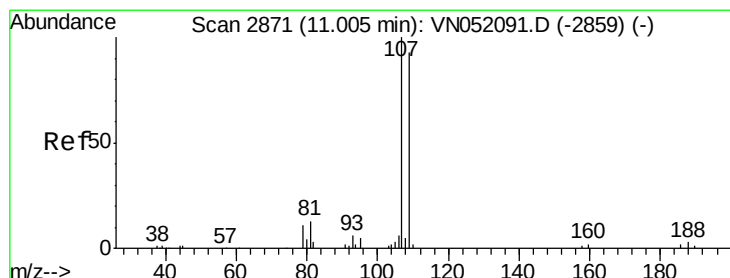
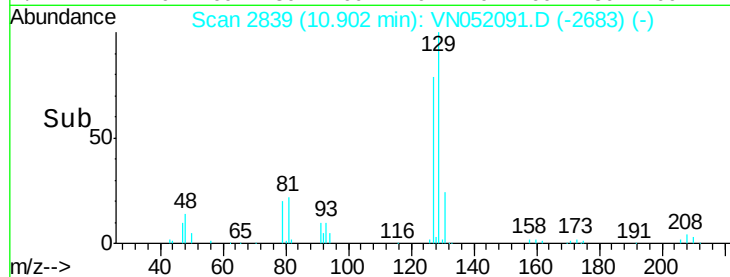
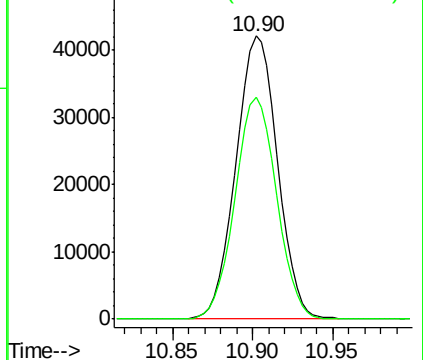
MMDadoda

11/2/2018 9:21:01 AM



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 19.509 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN052091.D

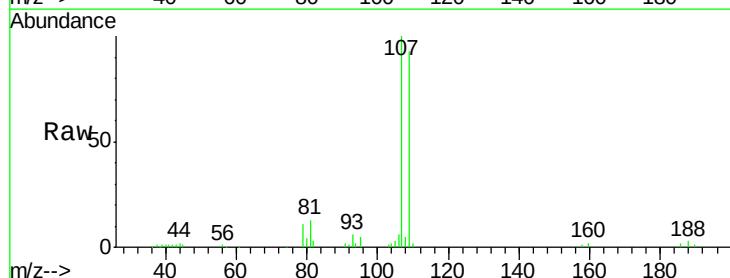
Acq: 1 Nov 2018 8:49

Tgt Ion:107 Resp: 70135

Ion Ratio Lower Upper

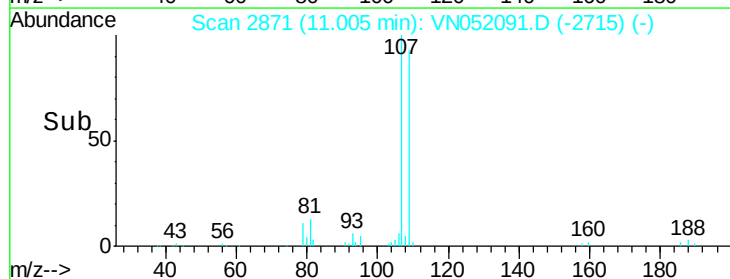
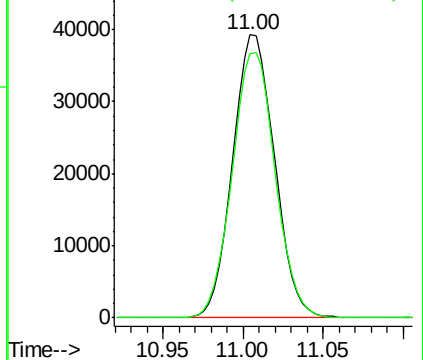
107 100

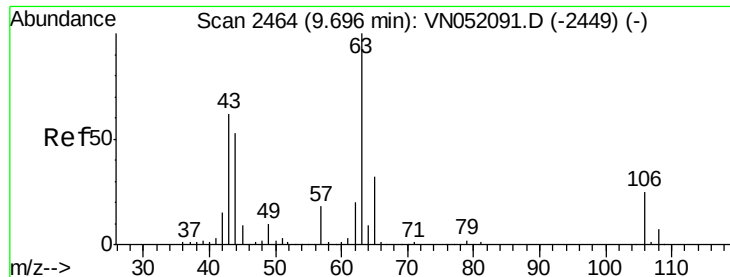
109 96.3 77.0 115.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





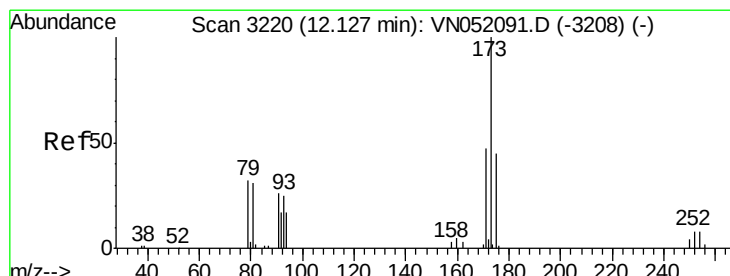
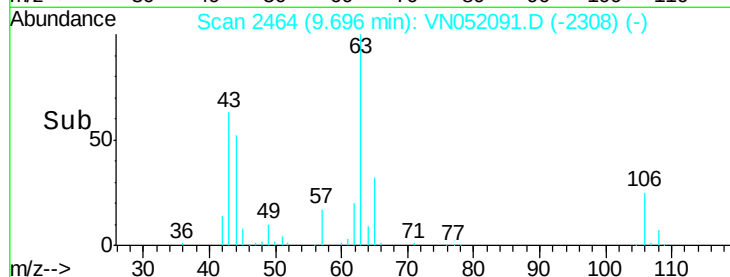
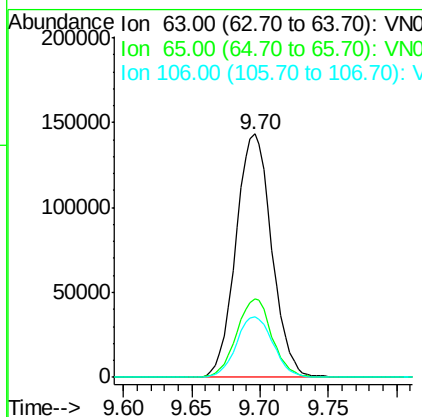
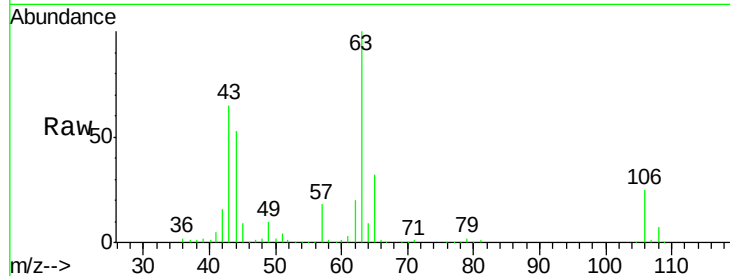
#55
2-Chloroethyl vinyl ether
Concen: 104.072 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.9	25.5	38.3
106	25.5	20.4	30.6

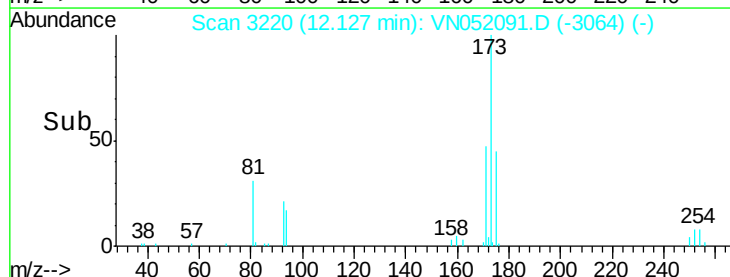
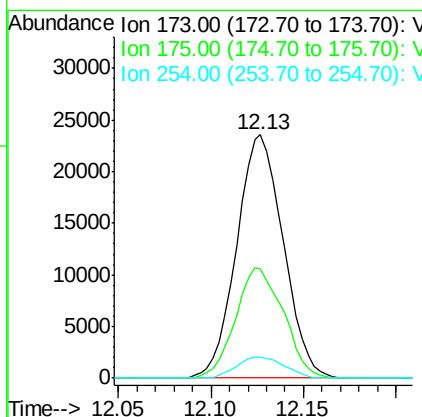
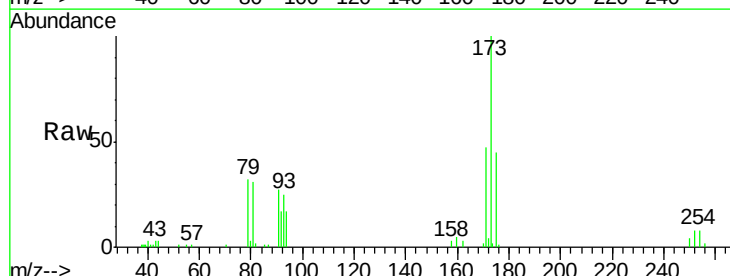
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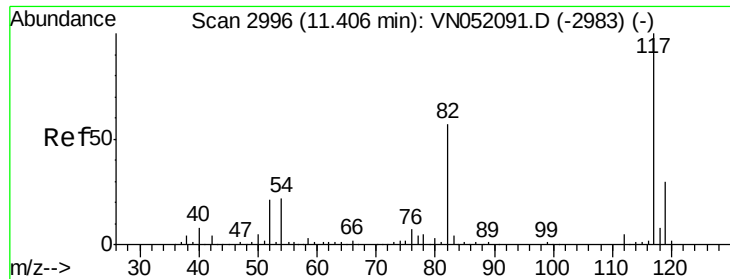
MMDadoda
11/2/2018 9:21:01 AM



#56
Bromoform
Concen: 18.557 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
173	100		
175	46.6	37.3	55.9
254	8.8	7.0	10.6





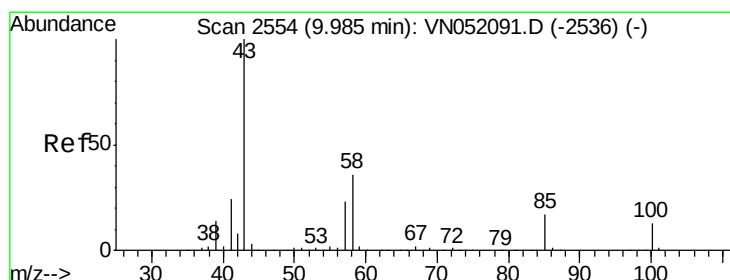
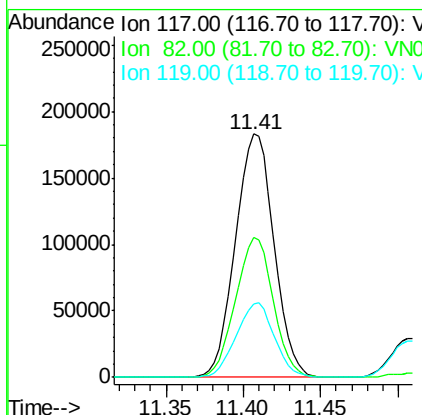
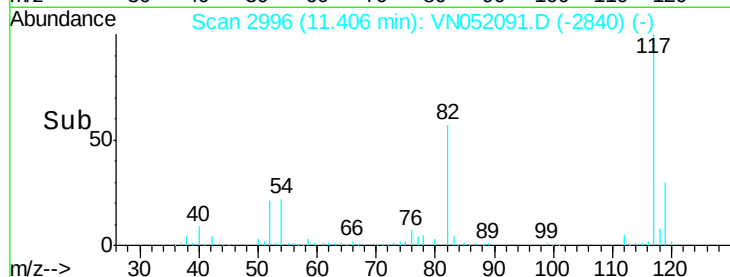
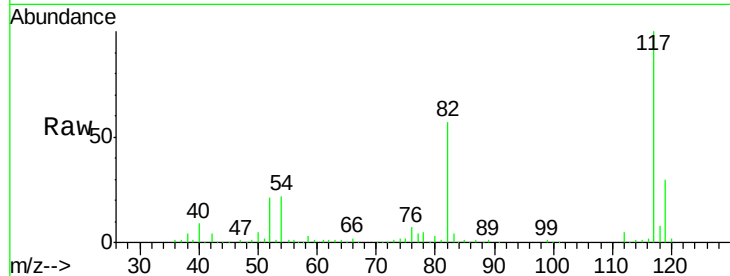
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	317995		
82	56.3	45.0	67.6	
119	30.3	24.2	36.4	

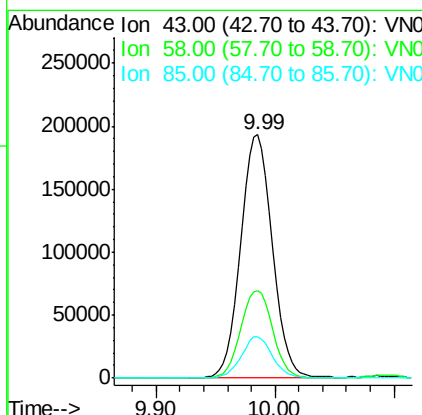
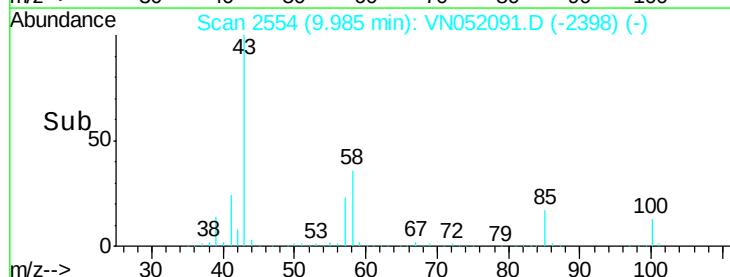
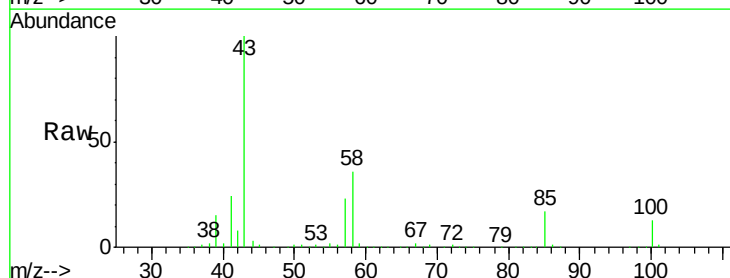
Manual Integrations
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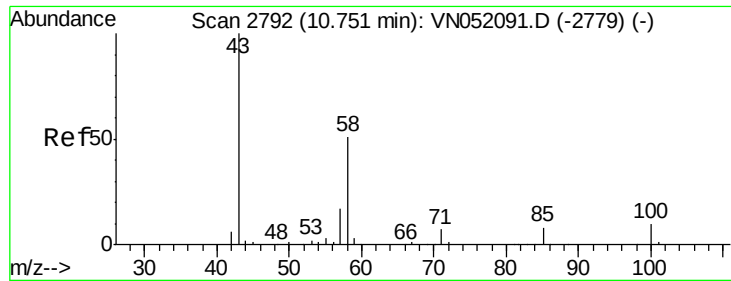
MMDadoda
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#58
4-Methyl-2-Pentanone
Concen: 104.381 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	355677		
58	36.3	29.0	43.6	
85	16.8	13.4	20.2	





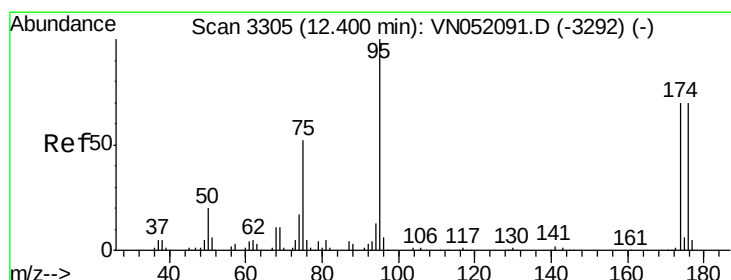
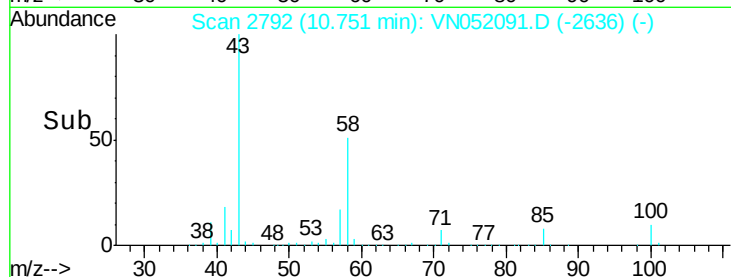
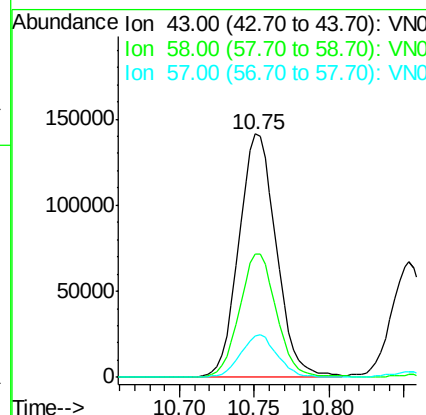
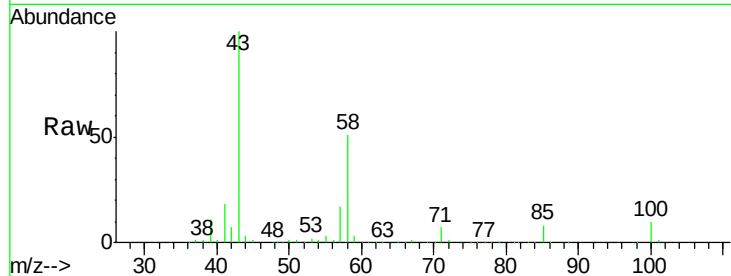
#59
2-Hexanone
Concen: 104.081 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.0	40.8	61.2
57	17.3	13.8	20.8

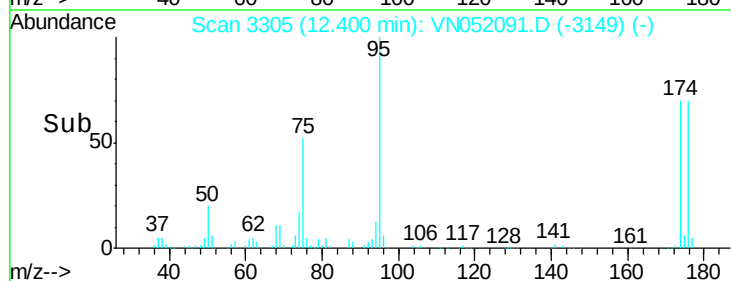
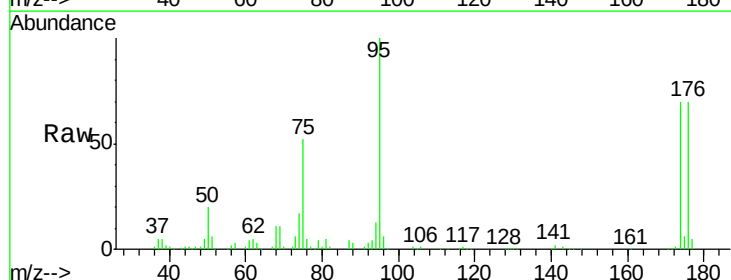
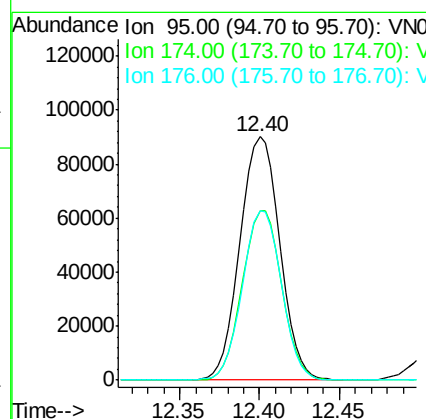
Manual Integrations
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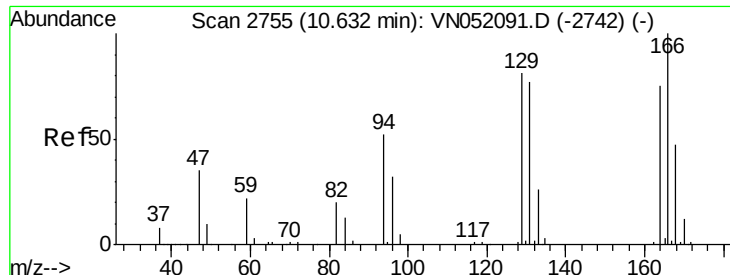
MMDadoda
11/2/2018 9:21:01 AM



#60
4-Bromofluorobenzene
Concen: 104.081 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	68.8	55.0	82.6
176	67.8	54.2	81.4





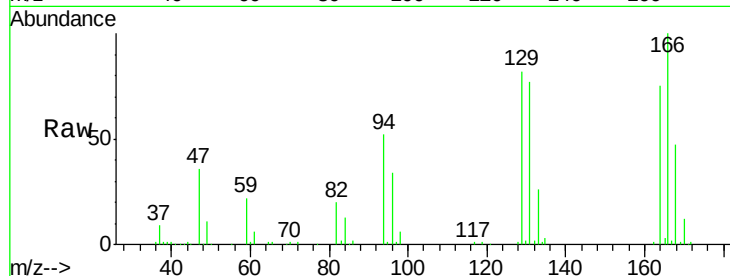
#61
Tetrachloroethene
Concen: 19.236 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.0	106.4	159.6
129	108.7	87.0	130.4
131	101.8	81.4	122.2

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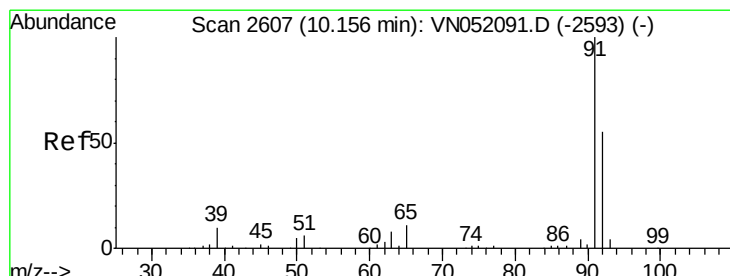
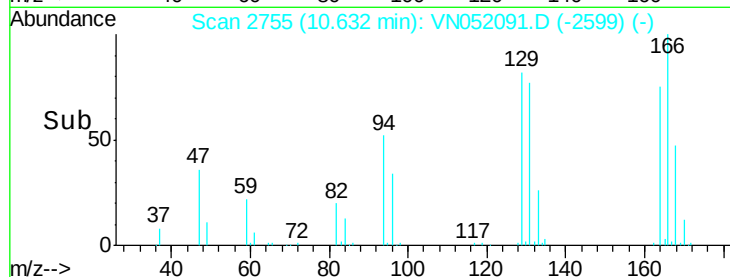
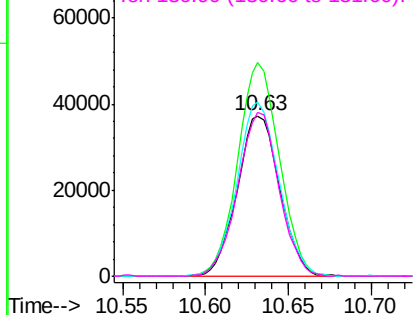


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

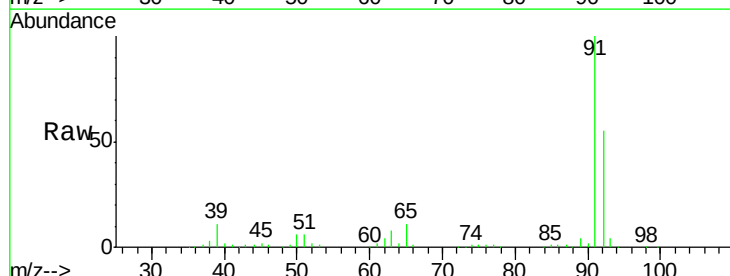
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



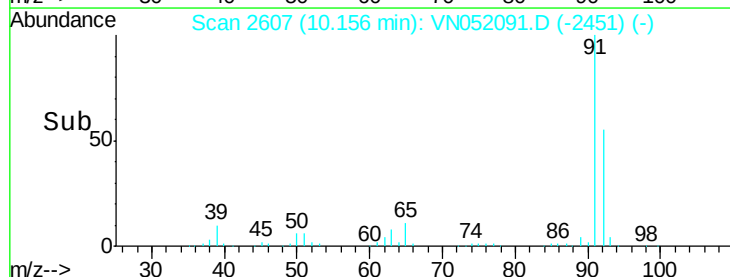
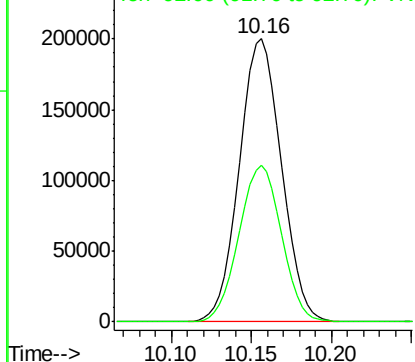
#62
Toluene
Concen: 20.177 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

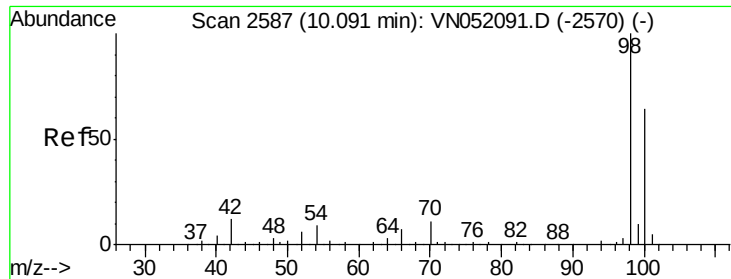
Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.8	44.6	67.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





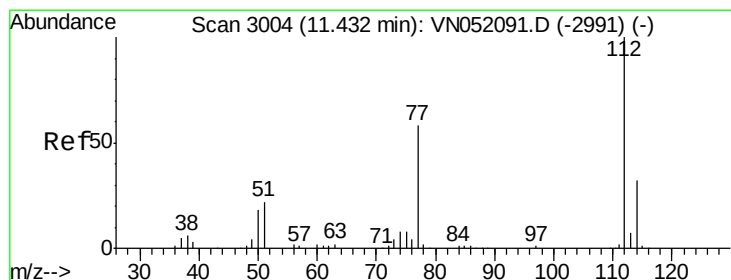
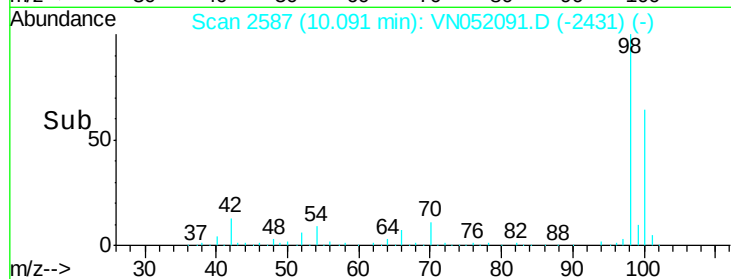
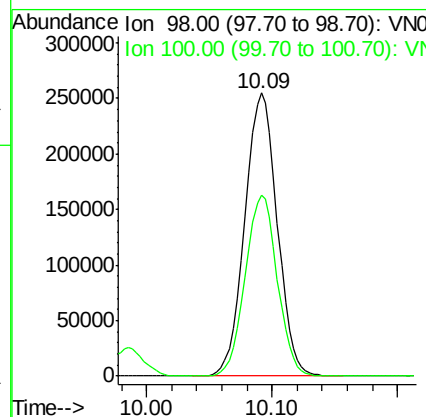
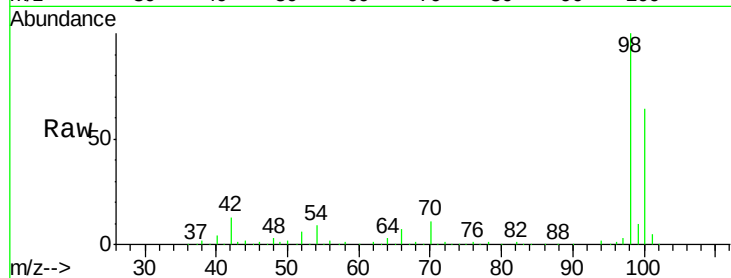
#63
Toluene-d8
Concen: 20.177 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampled :
VSTDICCC020

Tgt Ion: 98 Resp: 456338
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1

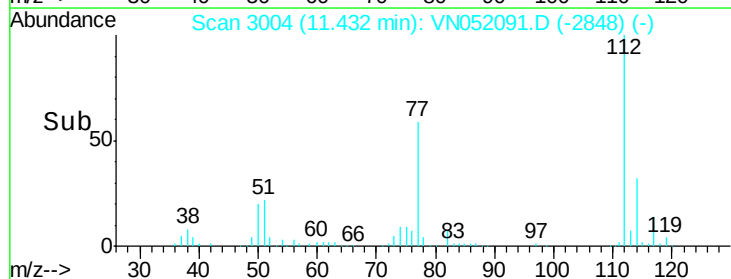
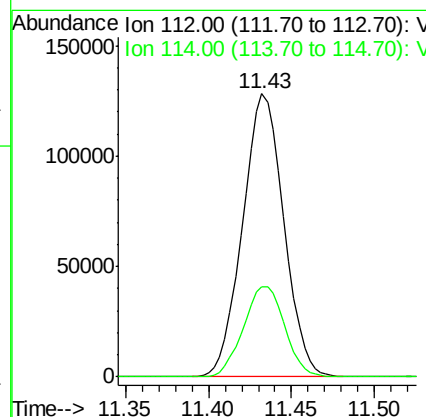
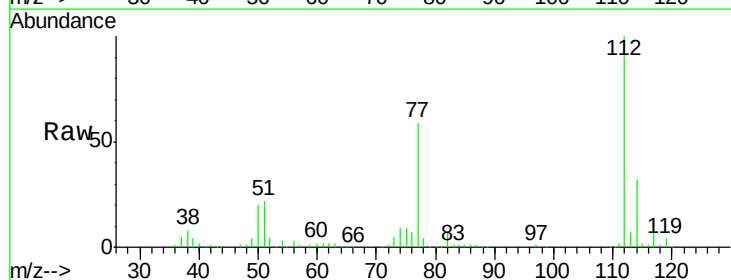
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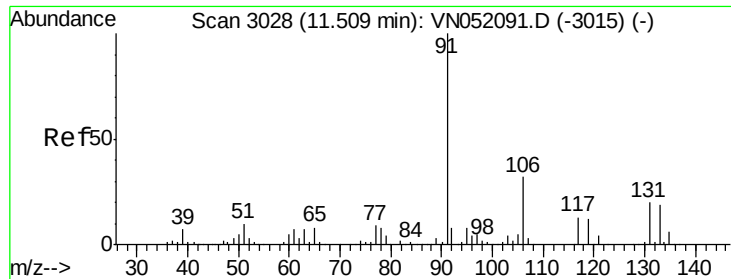
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#64
Chlorobenzene
Concen: 19.572 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion: 112 Resp: 221433
Ion Ratio Lower Upper
112 100
114 31.9 25.5 38.3





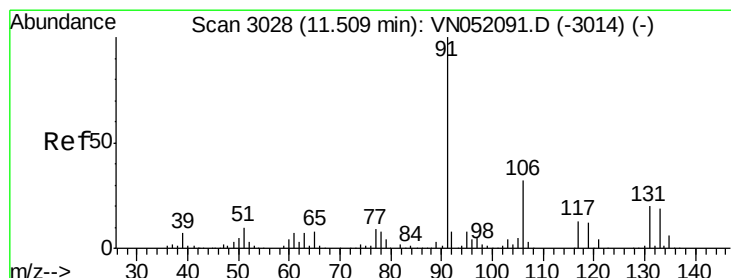
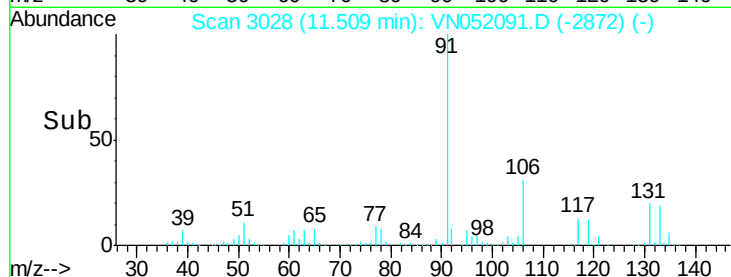
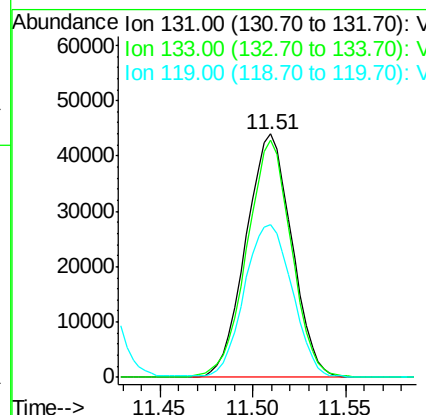
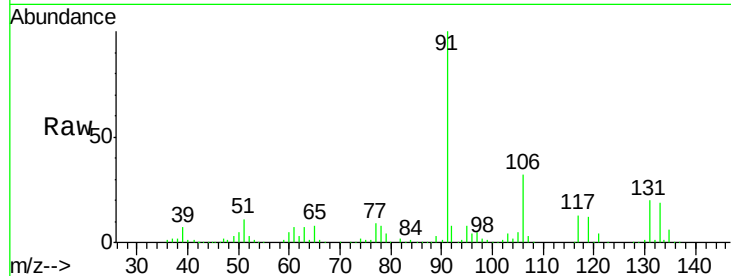
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.599 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion: 131 Resp: 75469
 Ion Ratio Lower Upper
 131 100
 133 94.4 0.0 188.8
 119 65.7 0.0 131.4

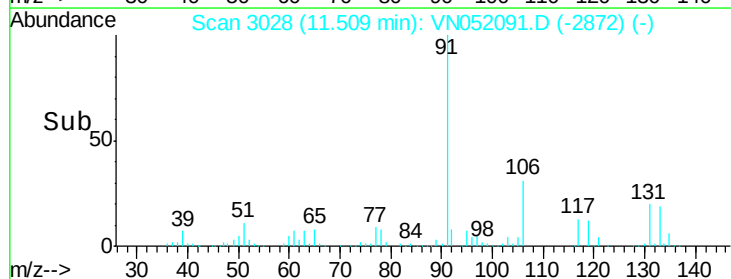
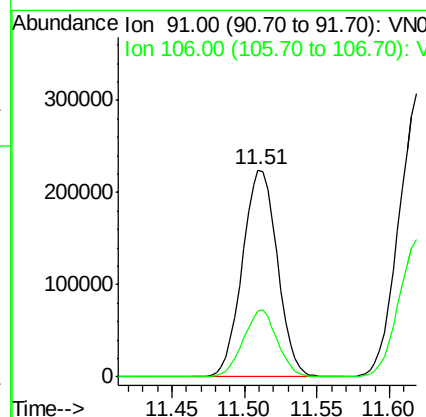
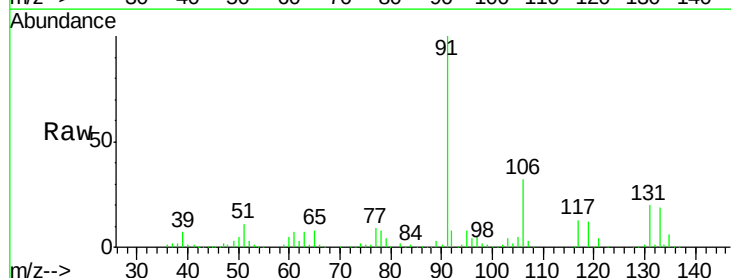
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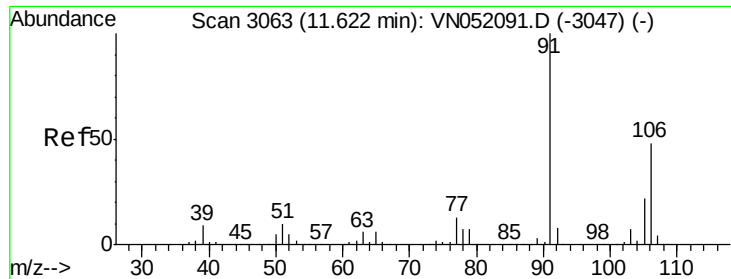
MMDadoda
 11/2/2018 9:21:01 AM



#66
 Ethyl Benzene
 Concen: 19.577 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion: 91 Resp: 377482
 Ion Ratio Lower Upper
 91 100
 106 32.1 25.7 38.5





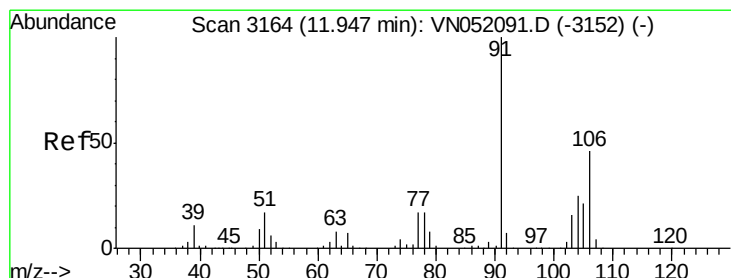
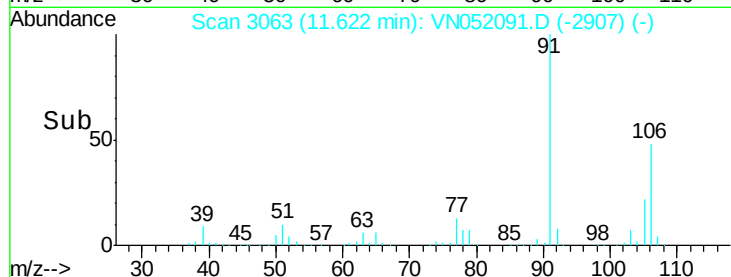
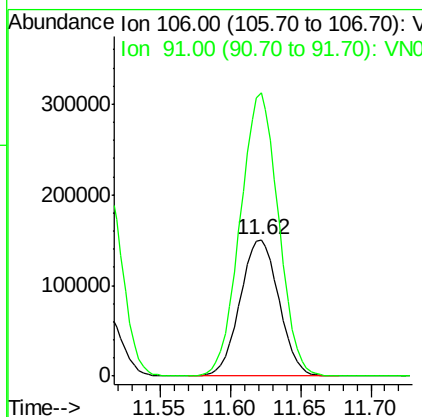
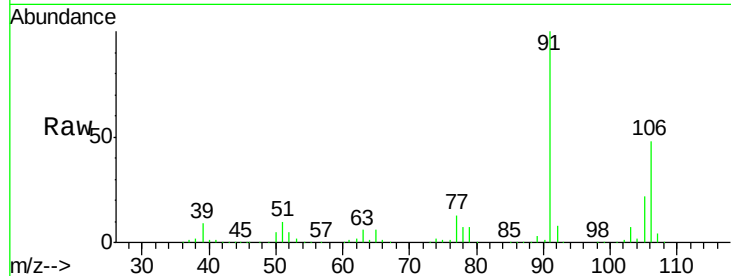
#67
m/p-Xylenes
Concen: 39.074 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion:106 Resp: 290066
Ion Ratio Lower Upper
106 100
91 204.5 163.6 245.4

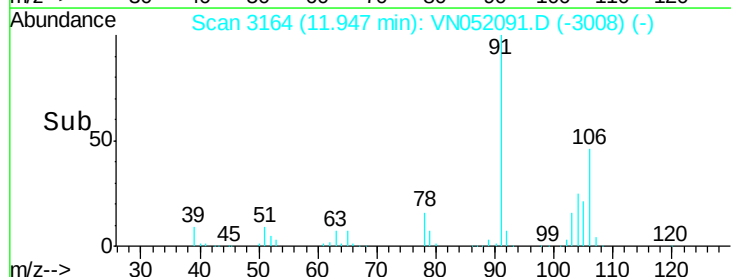
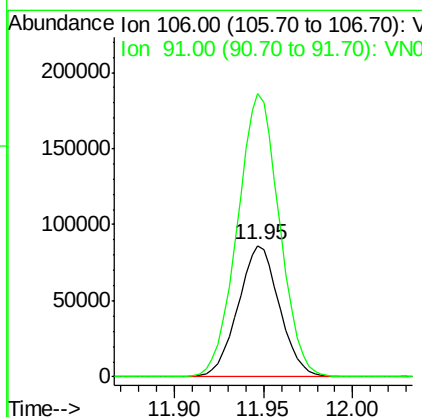
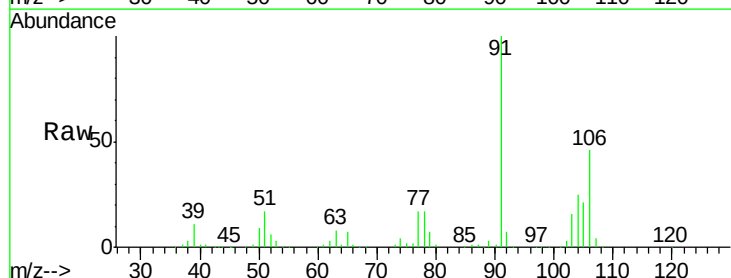
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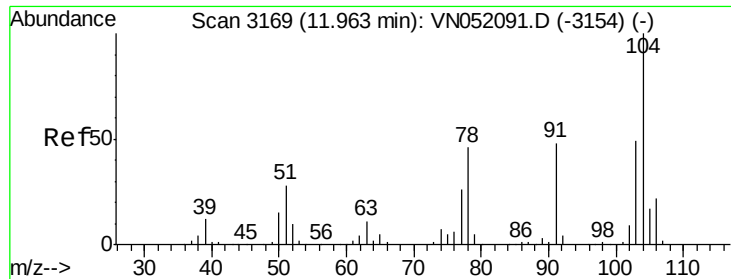
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#68
o-Xylene
Concen: 19.663 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion:106 Resp: 139169
Ion Ratio Lower Upper
106 100
91 220.0 110.0 330.0





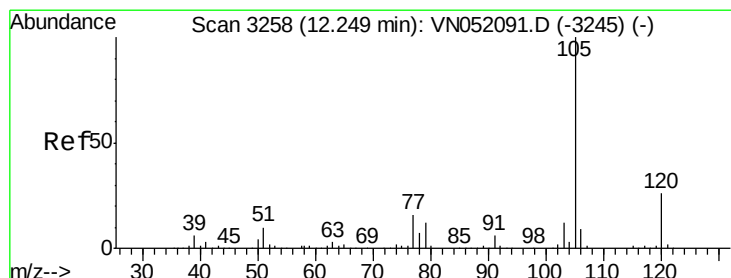
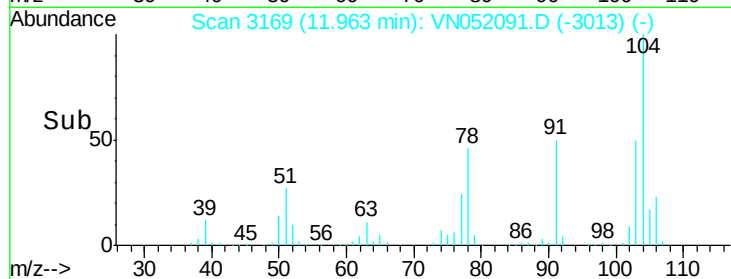
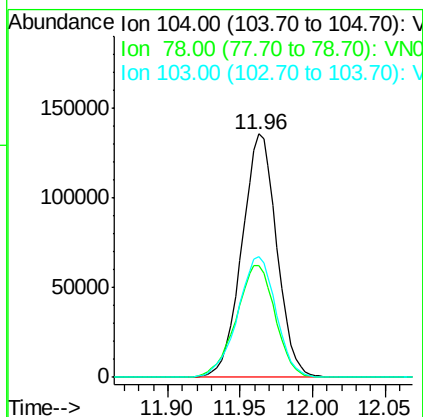
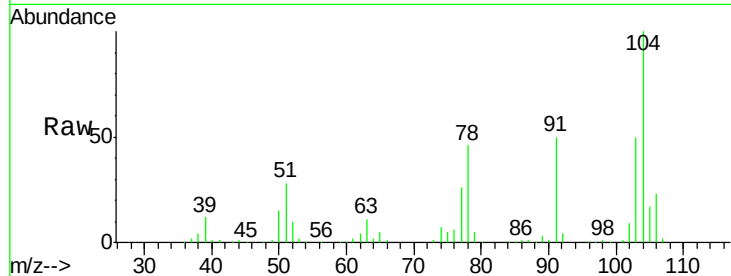
#69
Styrene
 Concen: 19.962 ug/l
 RT: 11.96 min Scan# 3169
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
104	100		
78	51.6	41.3	61.9
103	54.1	43.3	64.9

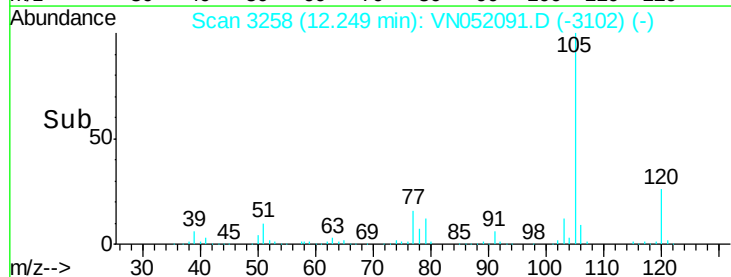
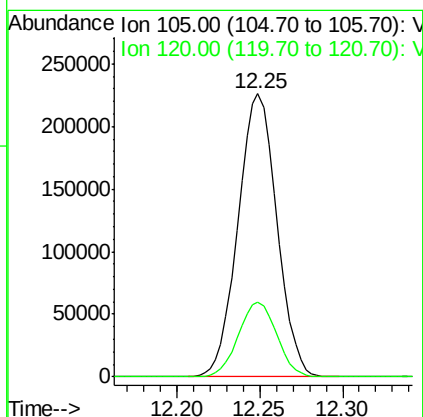
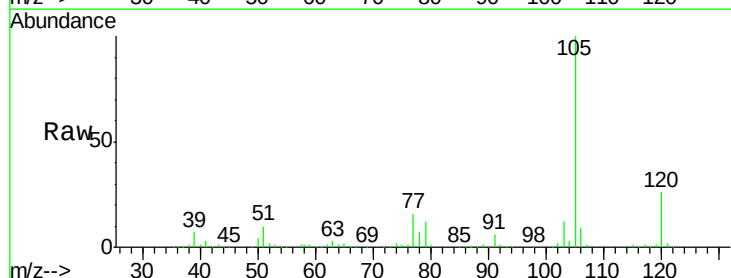
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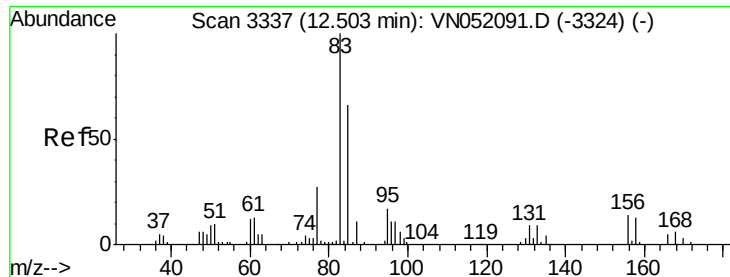
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#70
Isopropylbenzene
 Concen: 19.376 ug/l
 RT: 12.25 min Scan# 3258
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	18.4	34.2





#71

1,1,2,2-Tetrachloroethane

Concen: 19.969 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

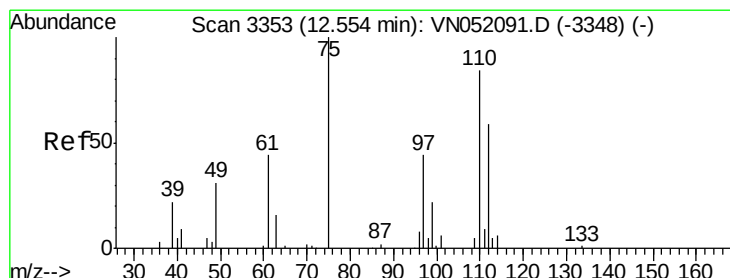
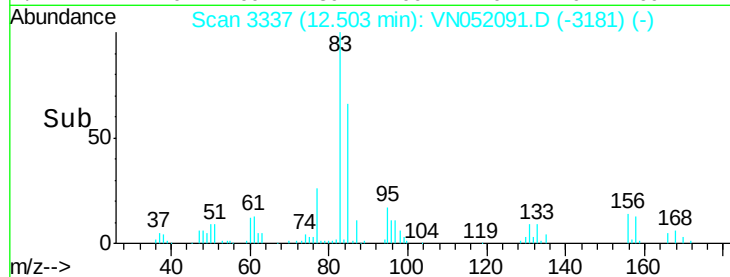
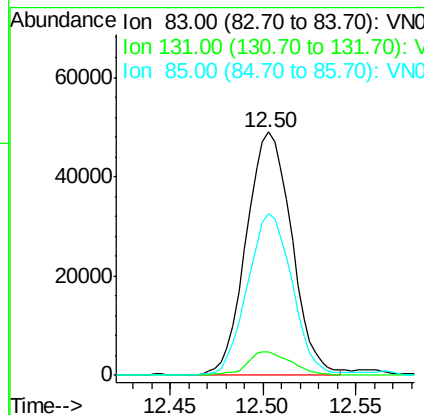
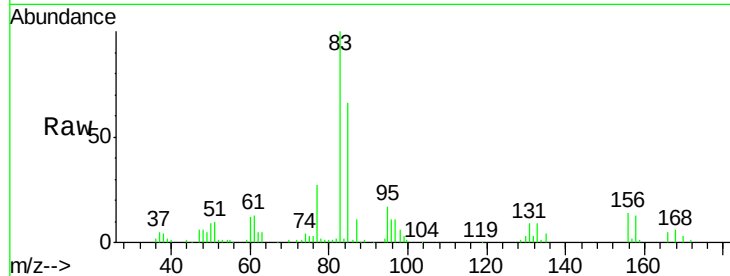
ClientSampleId :

VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	83454		
131	9.5	4.8	14.3	
85	65.4	32.7	98.1	

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#72

1,2,3-Trichloropropane

Concen: 21.764 ug/l m

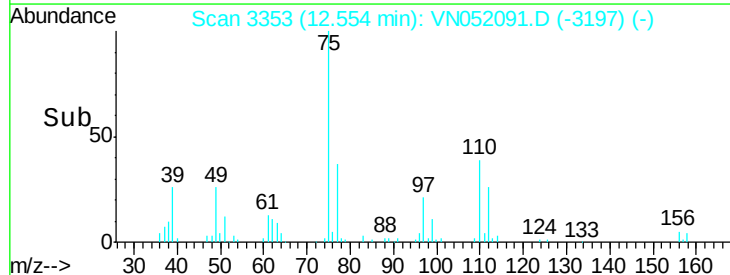
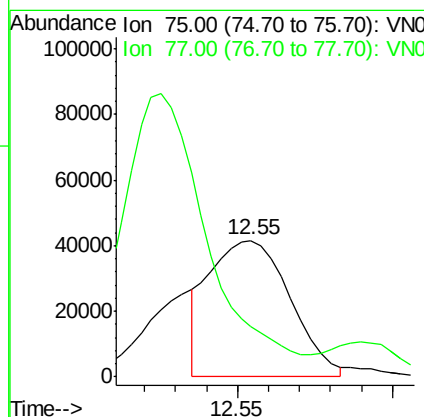
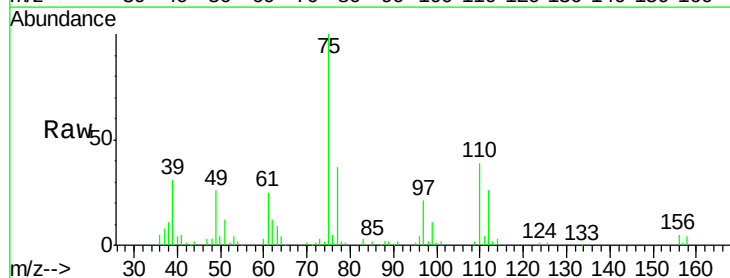
RT: 12.55 min Scan# 3353

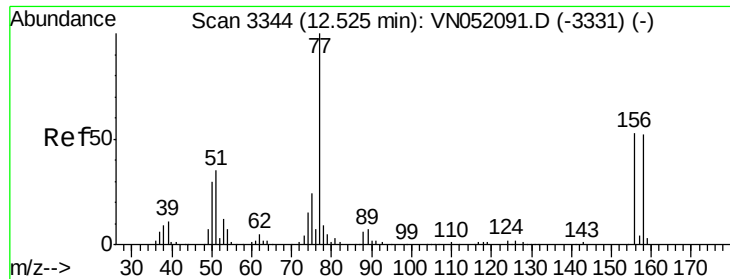
Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	75630		
77	224.9	0.0	481.8	





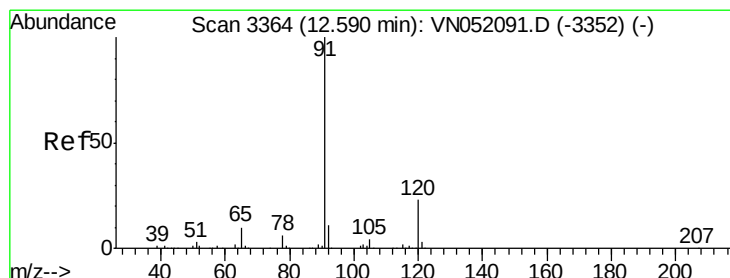
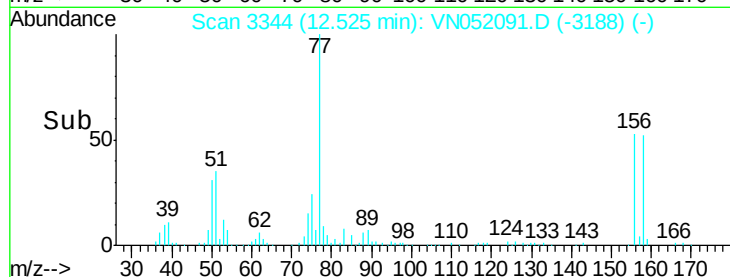
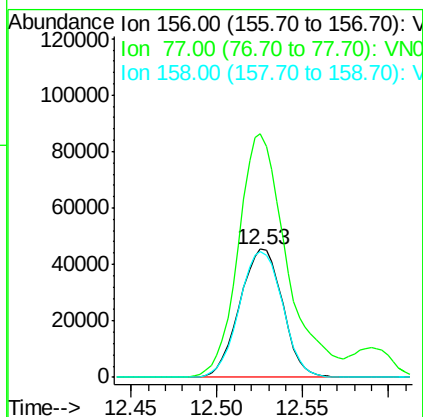
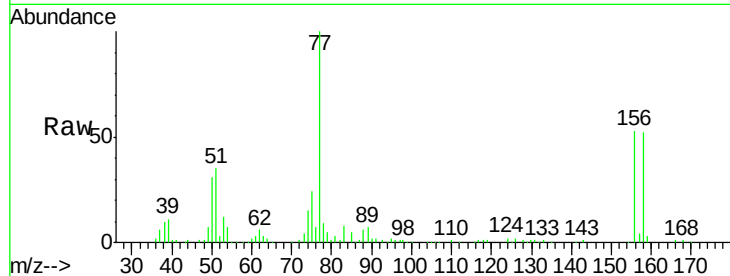
#73
Bromobenzene
Concen: 18.877 ug/l
RT: 12.53 min Scan# 3344
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
156	100		
77	214.0	0.0	428.0
158	98.4	0.0	196.8

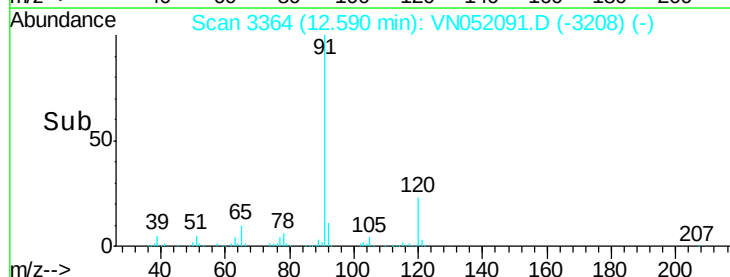
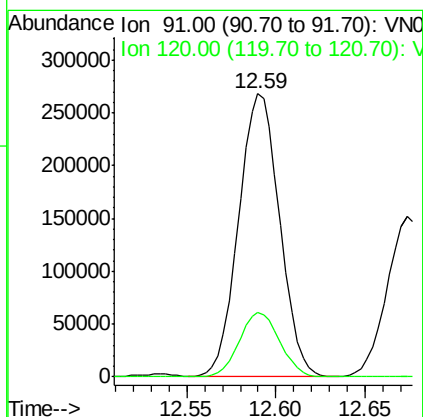
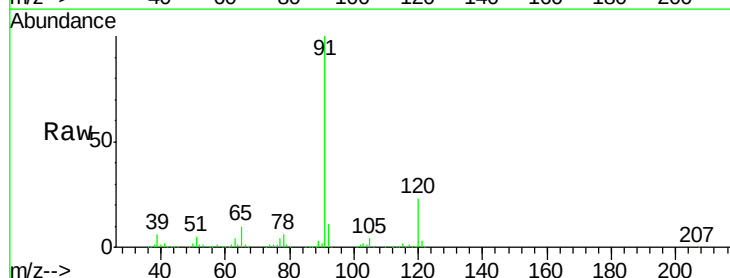
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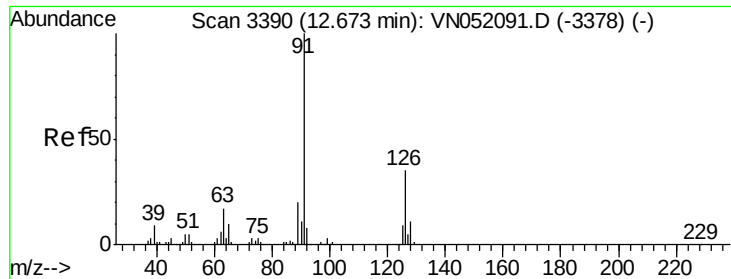
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#74
n-propylbenzene
Concen: 19.491 ug/l
RT: 12.59 min Scan# 3364
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	0.0	44.8





#75

2-Chlorotoluene

Concen: 19.718 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 91 Resp: 251520

Ion Ratio Lower Upper

91 100

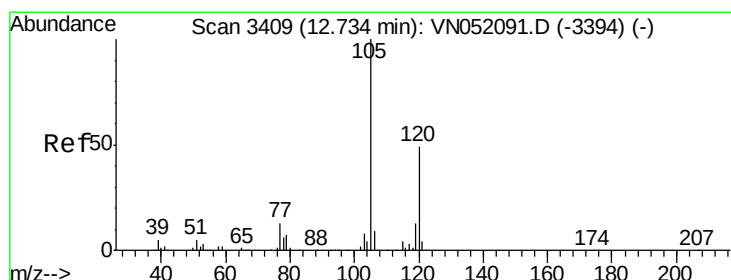
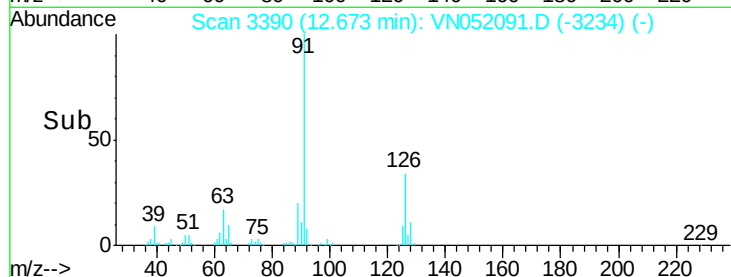
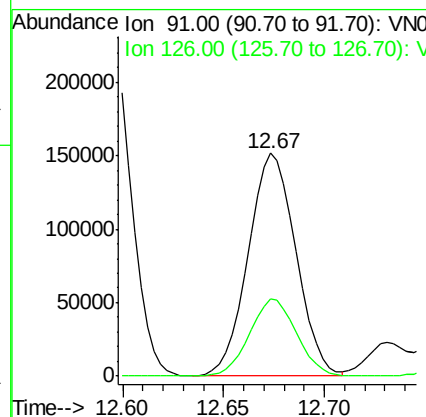
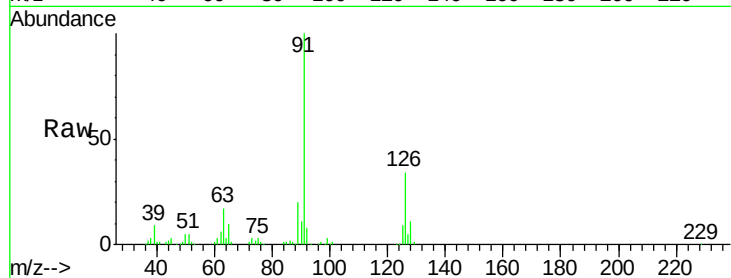
126 34.0 0.0 68.0

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#76

1,3,5-Trimethylbenzene

Concen: 19.531 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052091.D

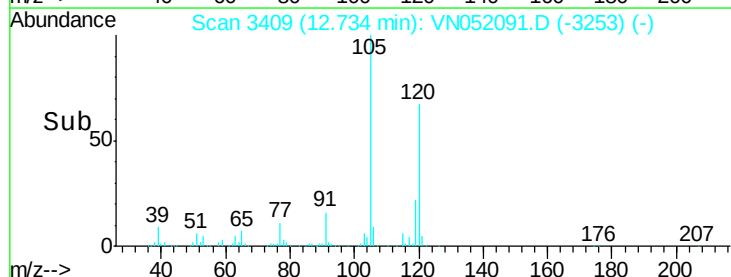
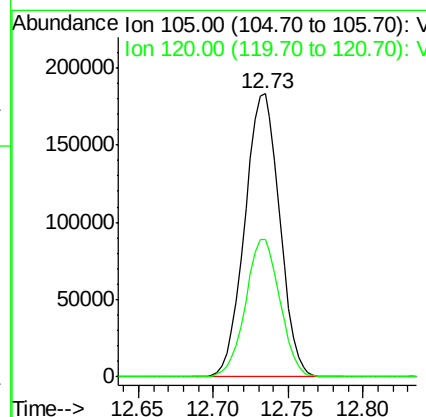
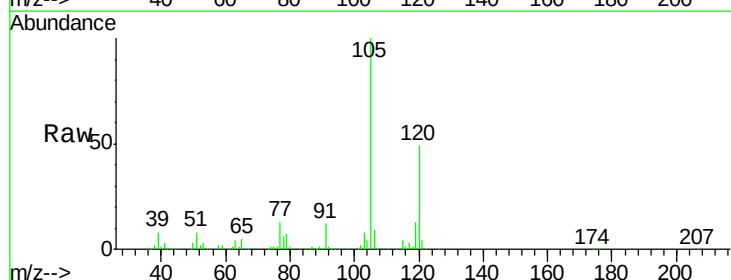
Acq: 1 Nov 2018 8:49

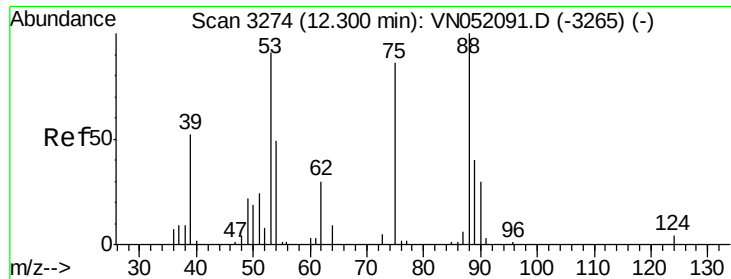
Tgt Ion: 105 Resp: 297557

Ion Ratio Lower Upper

105 100

120 47.9 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 17.605 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

ClientSampleId :

VSTDICCC020

Tgt Ion: 75 Resp: 20241
Ion Ratio Lower Upper

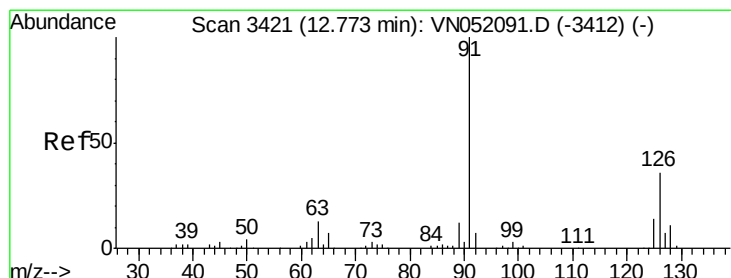
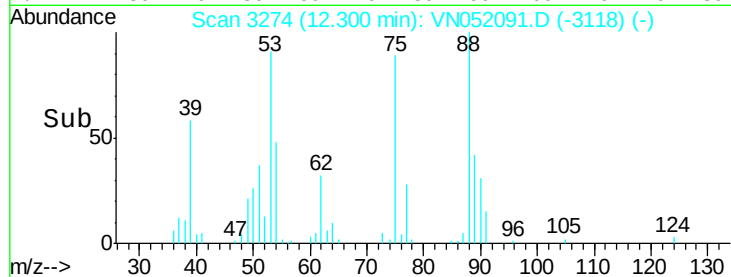
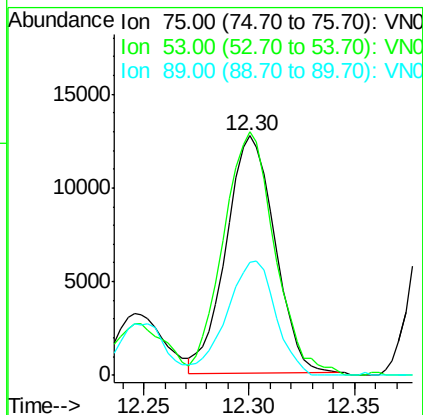
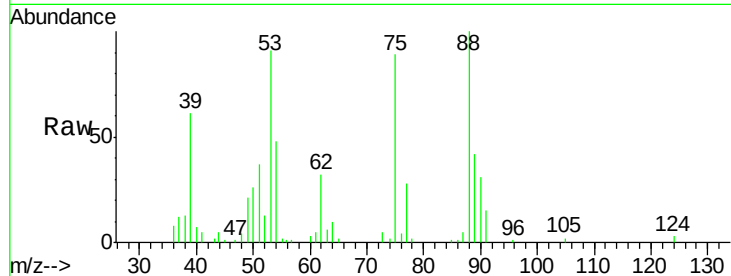
75 100

53 101.4 50.7 152.1

89 47.7 23.8 71.5

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#78

4-Chlorotoluene

Concen: 19.556 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

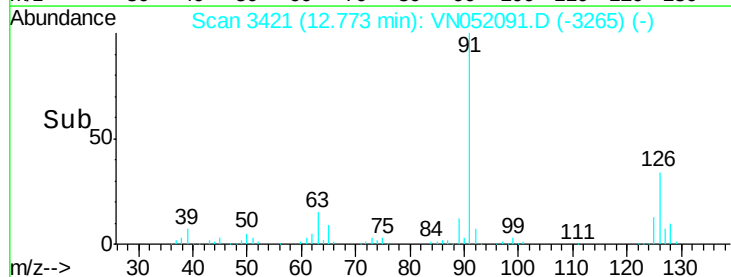
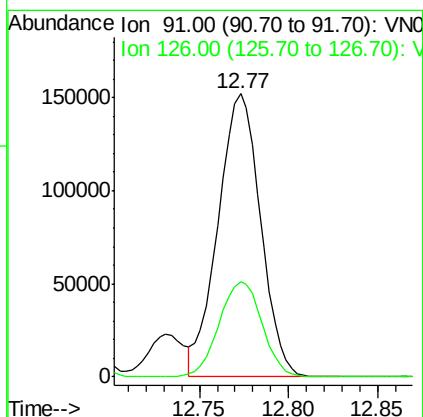
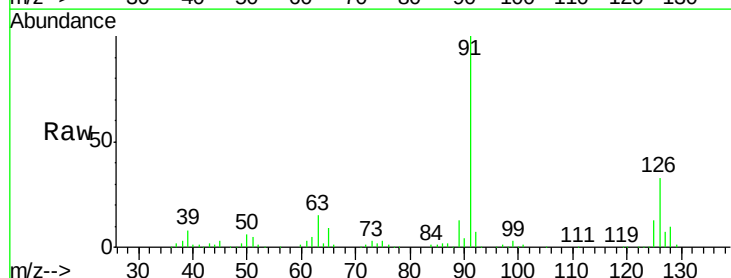
Lab File: VN052091.D

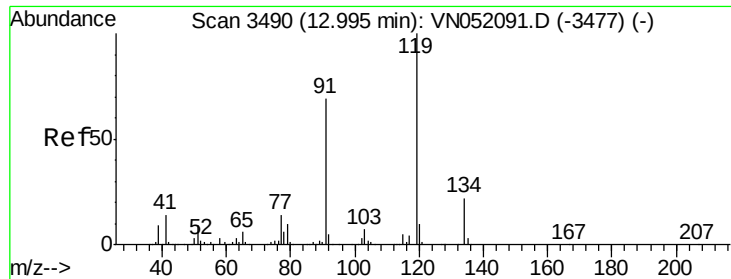
Acq: 1 Nov 2018 8:49

Tgt Ion: 91 Resp: 251200
Ion Ratio Lower Upper

91 100

126 34.0 0.0 68.0





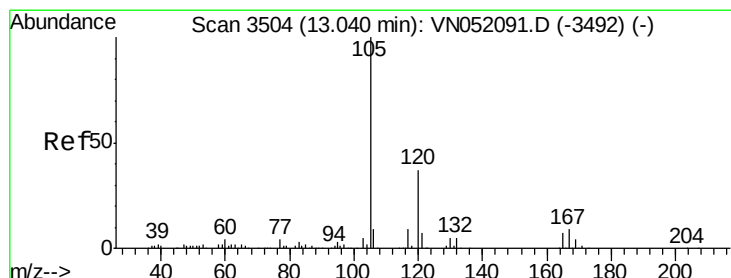
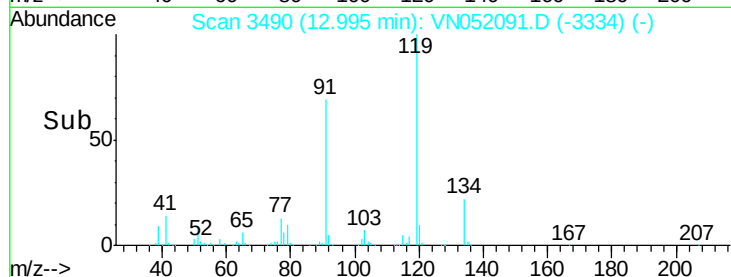
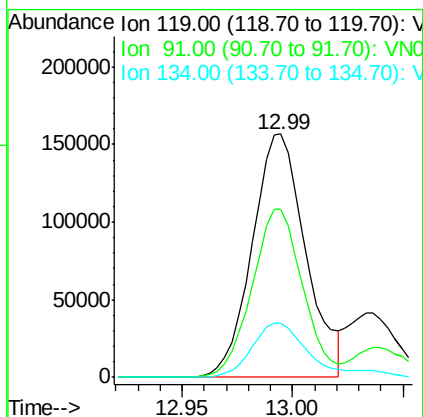
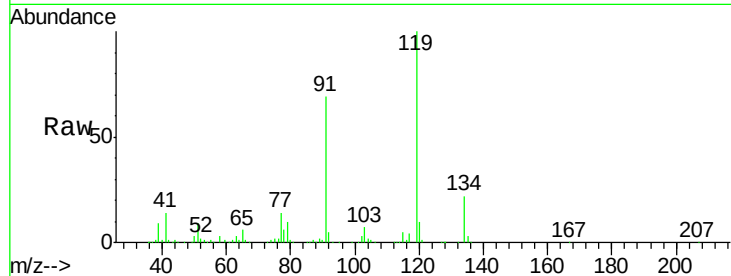
#79
tert-butylbenzene
Concen: 19.883 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	263869		
91	65.6	0.0	131.2	
134	22.9	0.0	45.8	

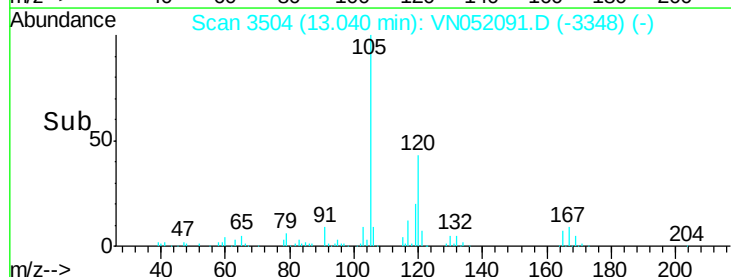
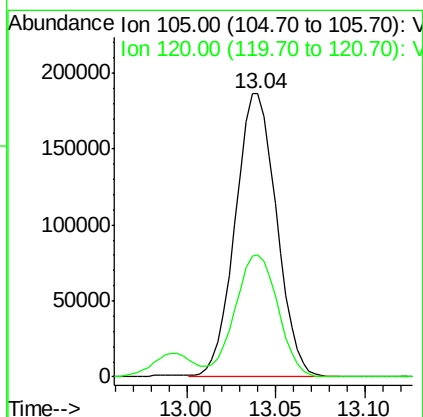
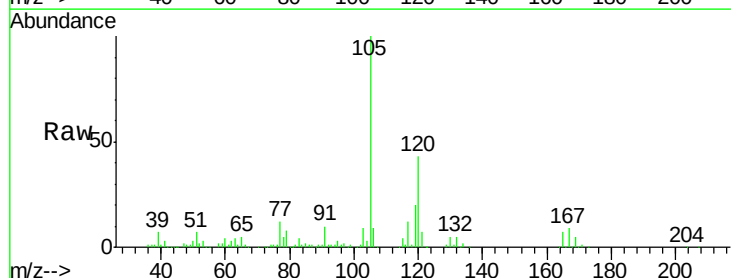
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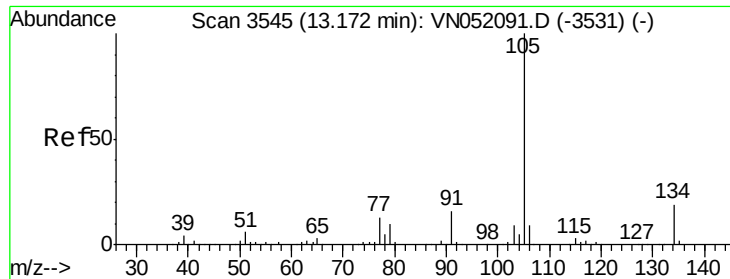
MMDadoda
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#80
1,2,4-Trimethylbenzene
Concen: 19.831 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	300989		
120	44.7	0.0	89.4	





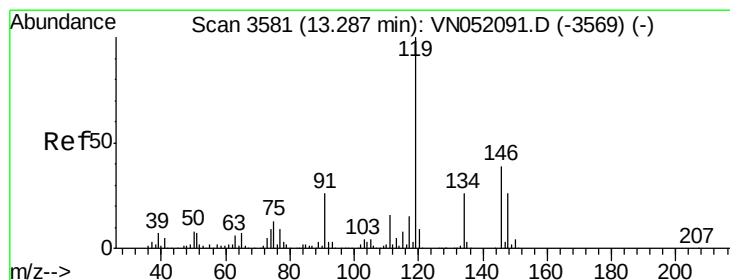
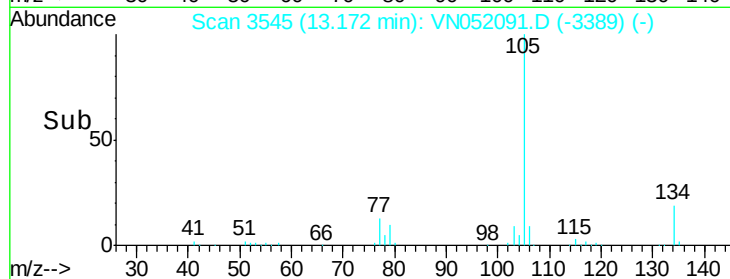
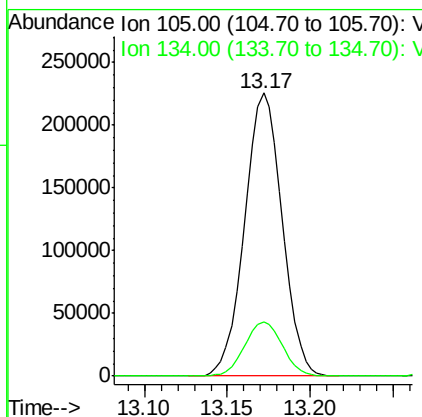
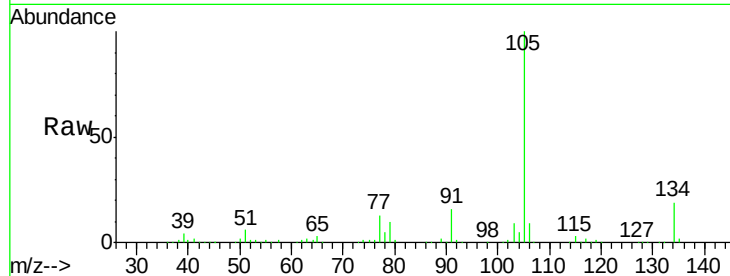
#81
 sec-Butylbenzene
 Concen: 19.482 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tgt Ion:105 Resp: 355818
 Ion Ratio Lower Upper
 105 100
 134 19.3 0.0 38.6

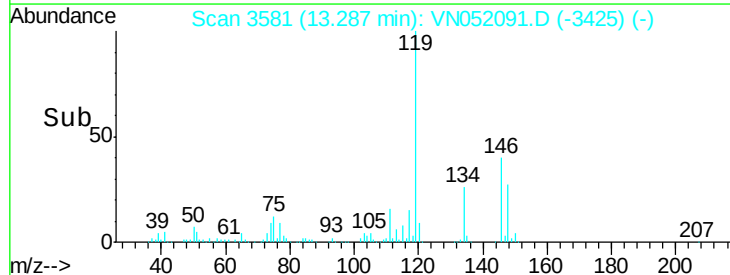
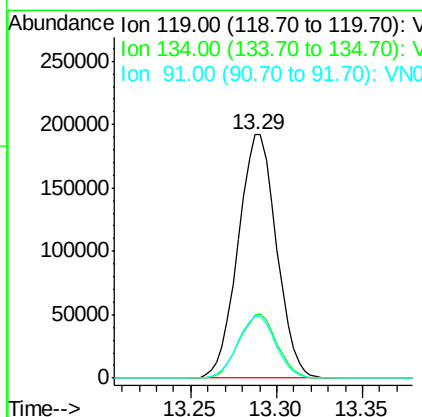
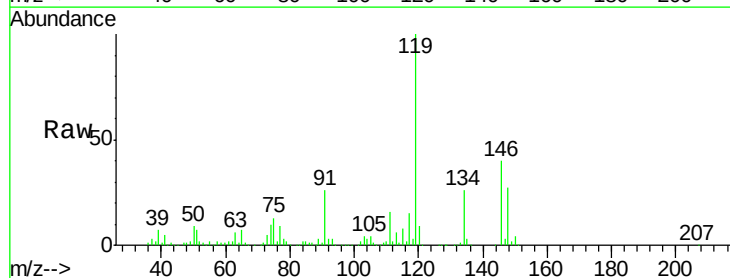
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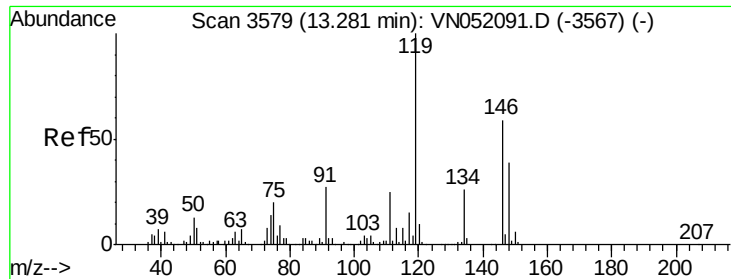
MMDadoda
 11/2/2018 9:21:01 AM



#82
 p-Isopropyltoluene
 Concen: 19.267 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion:119 Resp: 297382
 Ion Ratio Lower Upper
 119 100
 134 26.0 0.0 52.0
 91 25.4 0.0 50.8





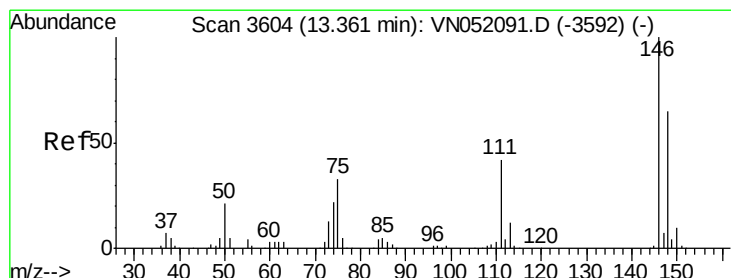
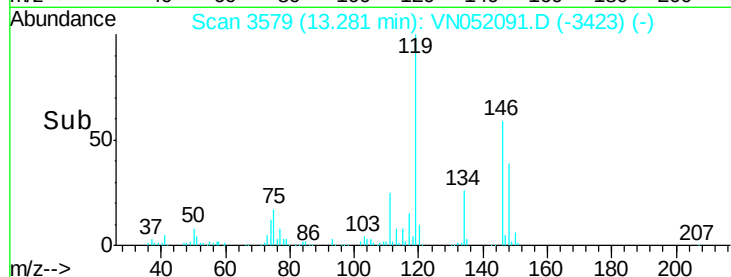
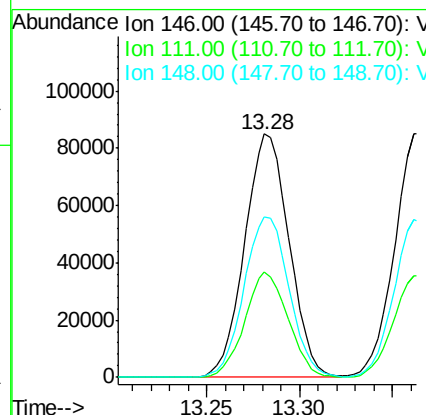
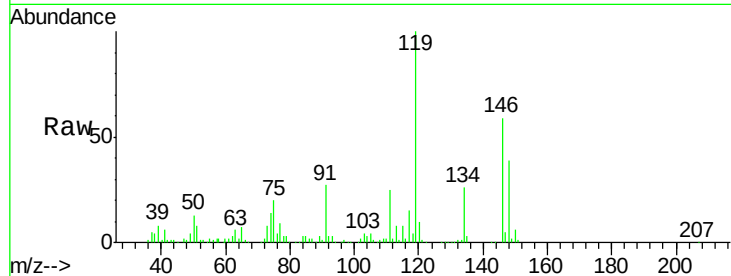
#83
 1,3-Dichlorobenzene
 Concen: 18.987 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	66.8	33.4	100.2

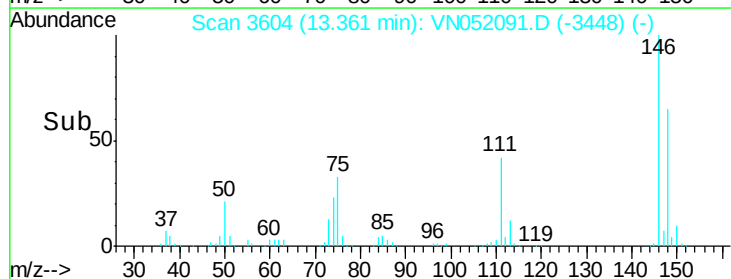
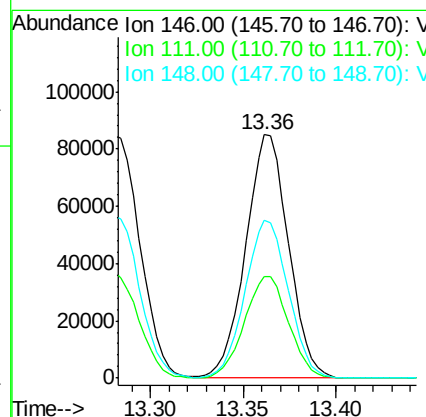
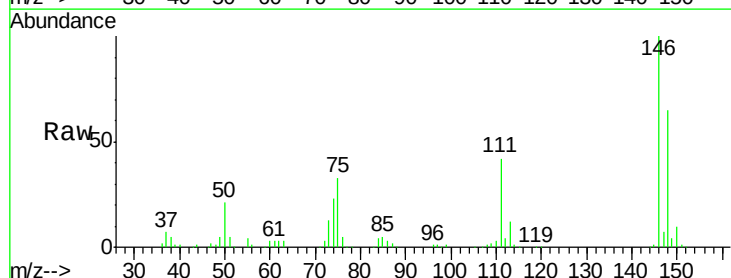
Manual Integrations
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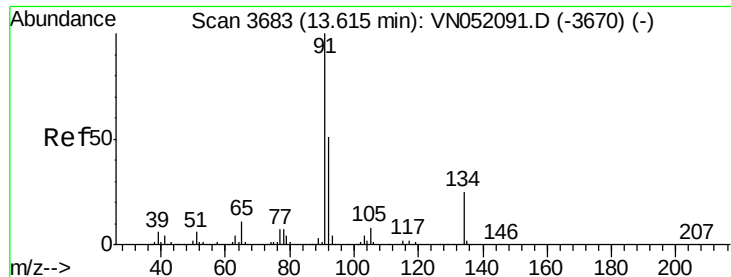
MMDadoda
 11/2/2018 9:21:01 AM



#84
 1,4-Dichlorobenzene
 Concen: 18.536 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.4	64.2
148	65.3	32.6	98.0





#85

n-Butylbenzene

Concen: 19.040 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Instrument :

MSVOA_N

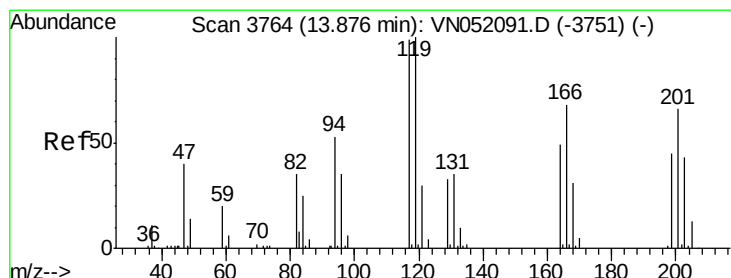
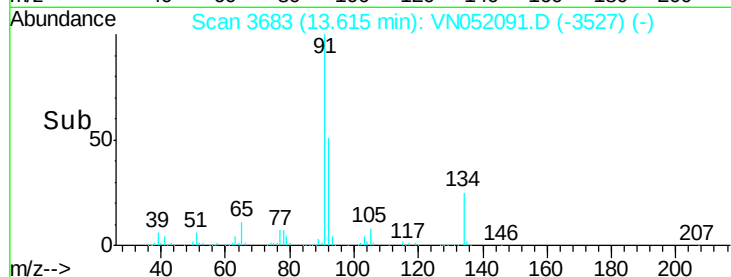
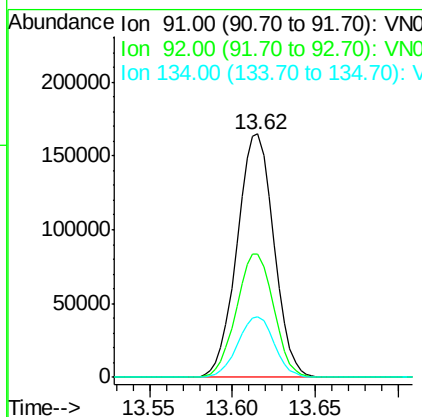
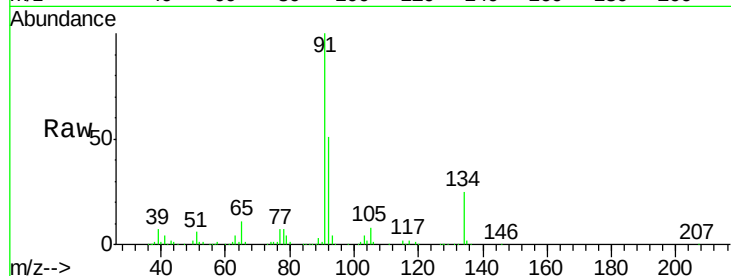
ClientSampleId :

VSTDICCC020

Tgt Ion:	91	Resp:	254350
Ion	Ratio	Lower	Upper
91	100		
92	51.4	0.0	102.8
134	24.6	0.0	49.2

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#86

Hexachloroethane

Concen: 18.903 ug/l

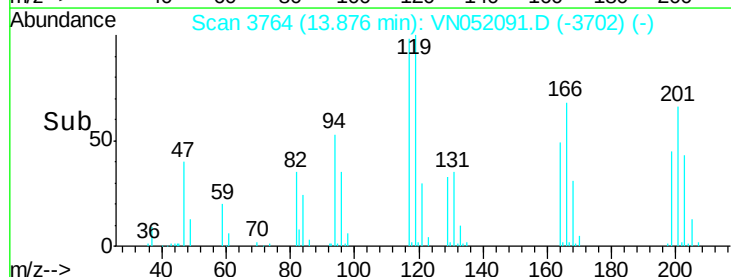
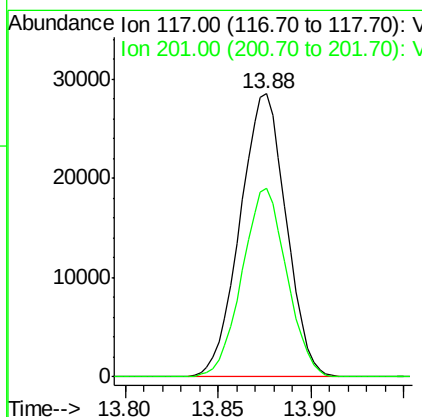
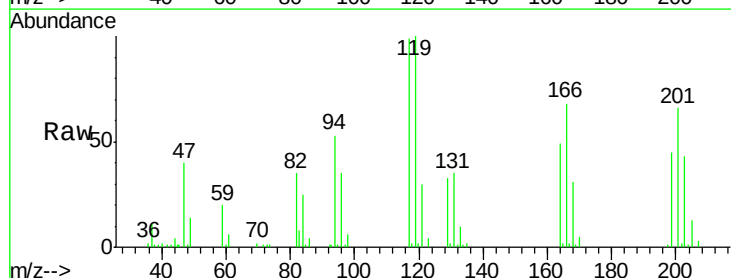
RT: 13.88 min Scan# 3764

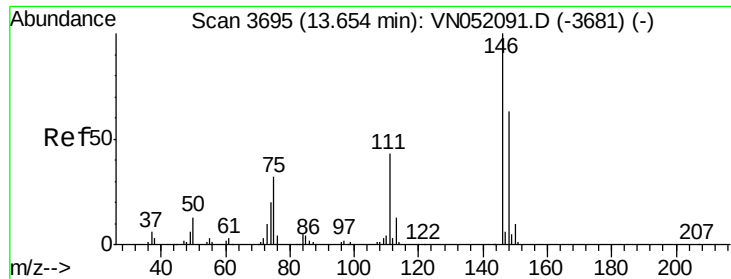
Delta R.T. 0.00 min

Lab File: VN052091.D

Acq: 1 Nov 2018 8:49

Tgt Ion:	117	Resp:	49236
Ion	Ratio	Lower	Upper
117	100		
201	64.4	32.2	96.6





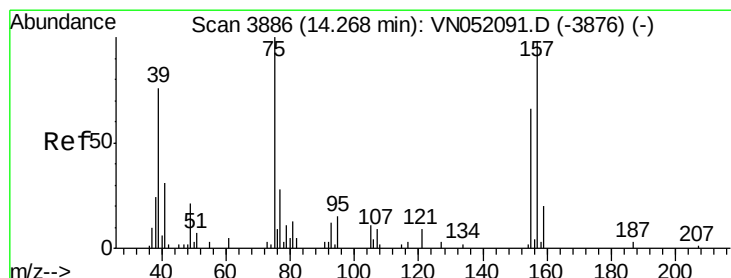
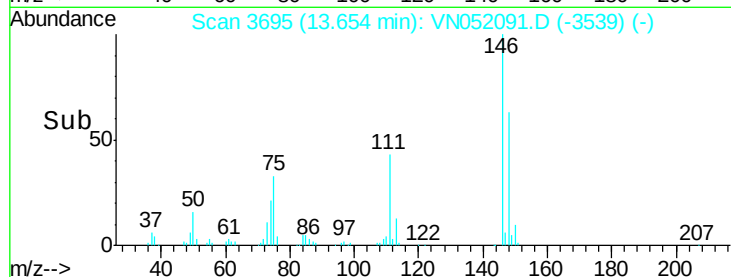
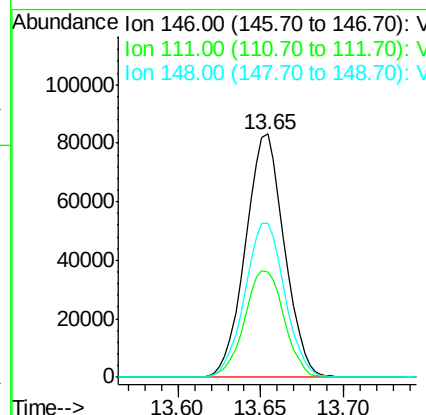
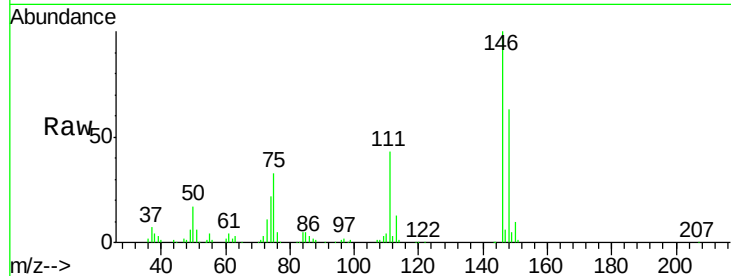
#87
 1,2-Dichlorobenzene
 Concen: 19.149 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.7	22.4	67.0
148	64.9	32.5	97.4

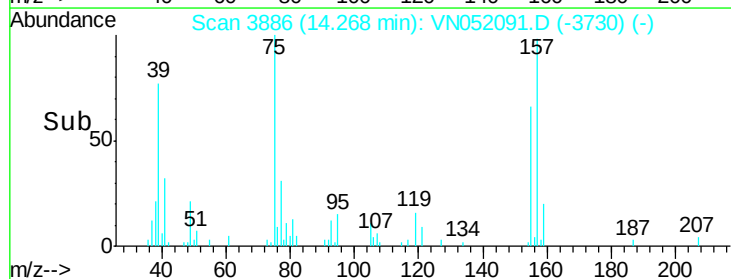
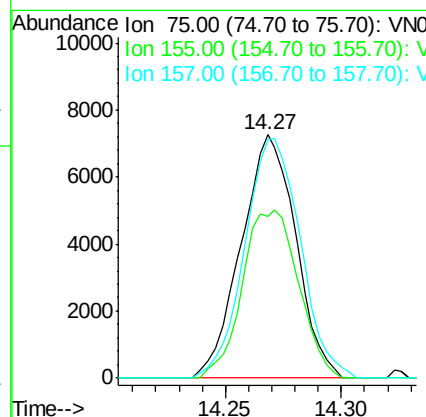
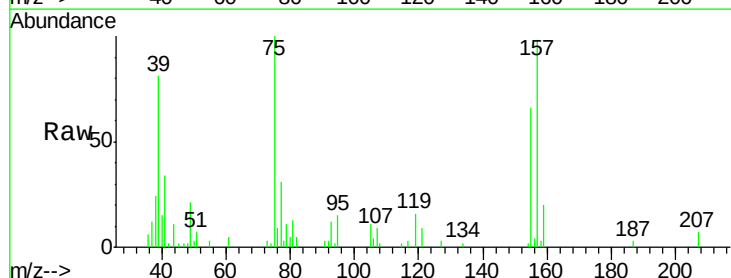
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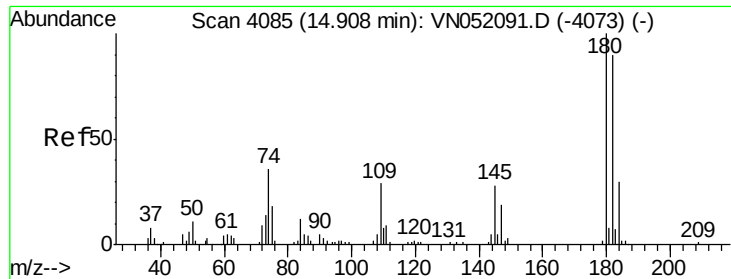
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.791 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.9	56.7	85.1
157	100.5	80.4	120.6





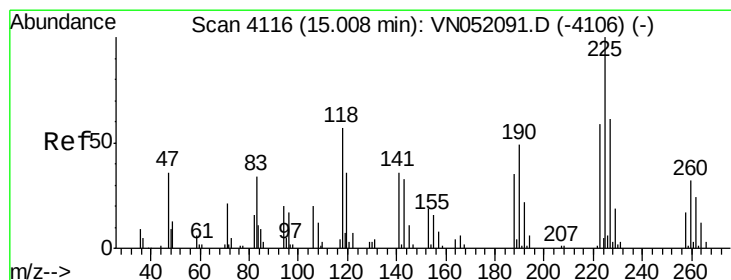
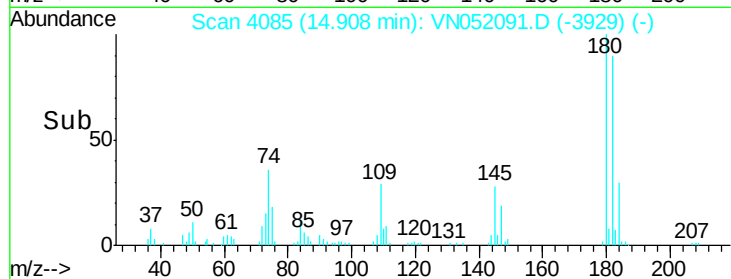
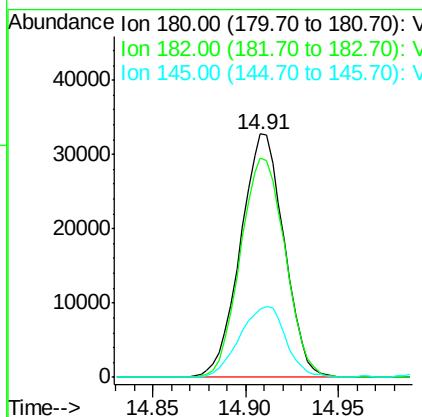
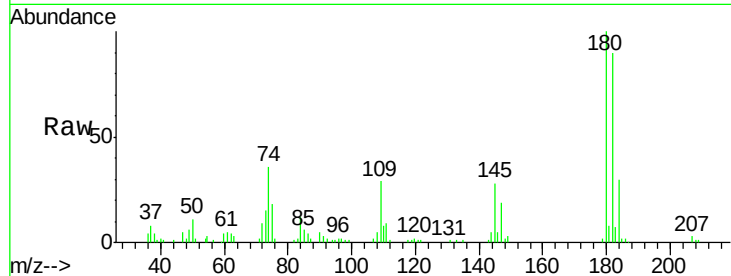
#89
 1,2,4-Trichlorobenzene
 Concen: 18.699 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDICCC020

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.5	74.0	111.0
145	30.7	24.6	36.8

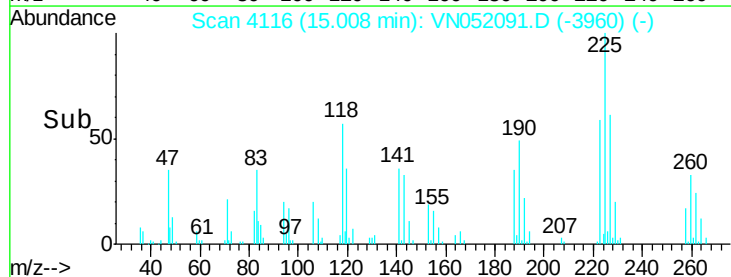
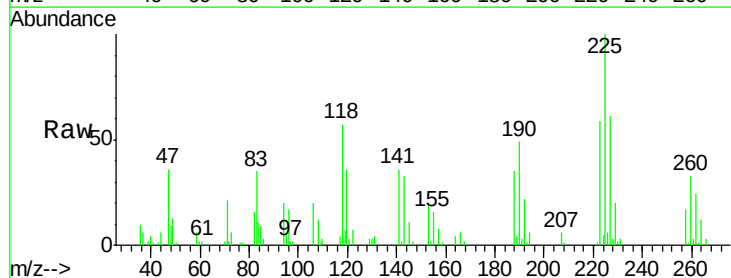
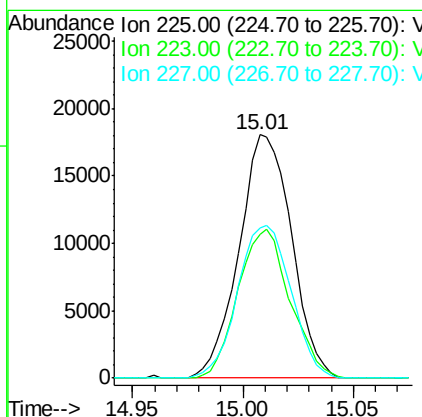
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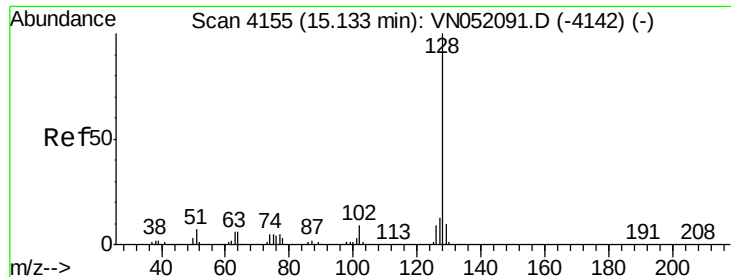
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#90
 Hexachlorobutadiene
 Concen: 18.978 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN052091.D
 Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	0.0	121.2
227	63.6	0.0	127.2





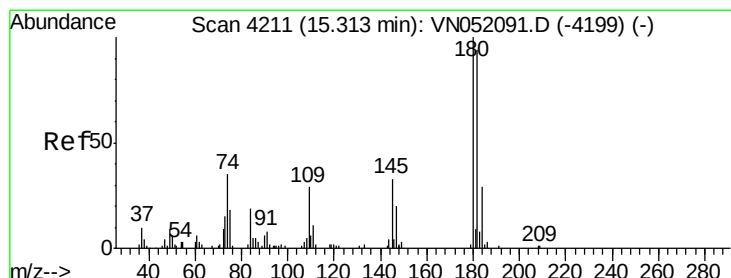
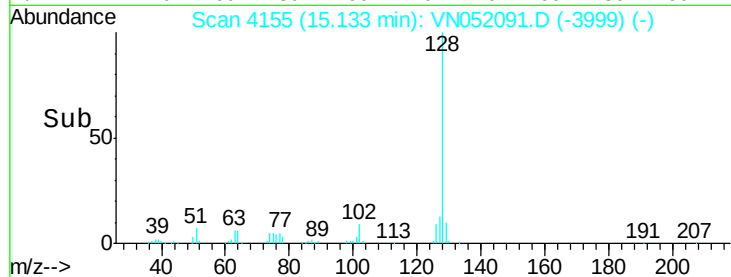
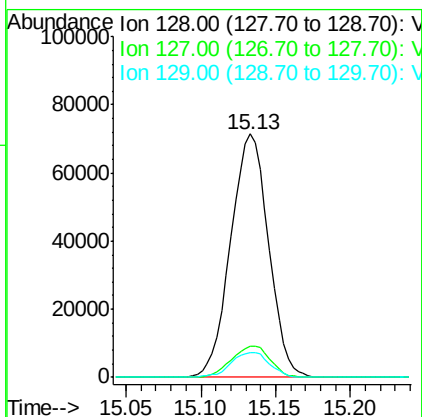
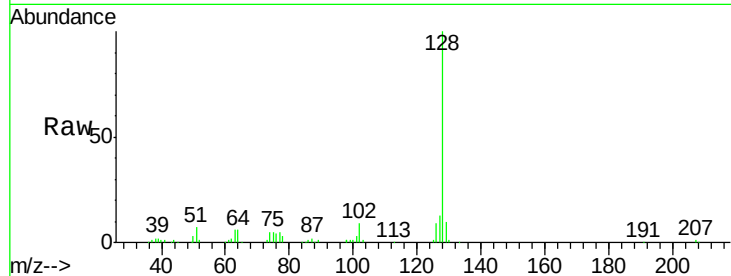
#91
Naphthalene
Concen: 19.064 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	13.0	10.4	15.6
129	10.4	8.3	12.5

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#92
1,2,3-Trichlorobenzene
Concen: 18.385 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN052091.D
Acq: 1 Nov 2018 8:49

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	93.3	0.0	186.6
145	33.3	0.0	66.6

