

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110818\
 Data File : VN052219.D
 Acq On : 8 Nov 2018 13:18
 Operator : MD\SY
 Sample : VN1108WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1108WBS02

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:49:17 AM

Quant Time: Nov 08 13:48:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N110118W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 02 05:39:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	63595	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	372700	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	339042	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	134960	28.59	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	95.30%
60) 4-Bromofluorobenzene	12.40	95	148837	27.44	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.47%
63) Toluene-d8	10.09	98	468601	29.39	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.97%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	87289	20.551	ug/l 99
3) Chloromethane	2.06	50	99052	20.405	ug/l 98
4) Vinyl Chloride	2.19	62	94410	19.826	ug/l 95
5) Bromomethane	2.58	94	62819	19.326	ug/l 94
6) Chloroethane	2.71	64	56797	18.653	ug/l 96
7) Trichlorofluoromethane	3.02	101	130489	20.235	ug/l 97
8) Diethyl Ether	3.41	74	41934	19.259	ug/l 94
9) 1,1,2-Trichlorotrifluoroet	3.76	101	79681	21.141	ug/l 94
10) 1,1-Dichloroethene	3.74	96	70048	19.918	ug/l 99
11) Methyl Iodide	3.96	142	103313	20.318	ug/l 97
12) Methyl Acetate	4.33	43	55885	18.879	ug/l 94
13) Acrolein	3.61	56	23682	75.426	ug/l 98
14) Acrylonitrile	4.99	53	117544	89.542	ug/l 89
15) Acetone	3.82	58	30389m	97.948	ug/l
16) Carbon Disulfide	4.06	76	195405	18.818	ug/l 99
17) Allyl chloride	4.33	41	109916	18.408	ug/l 99
18) Methylene Chloride	4.55	84	83185	19.163	ug/l 91
19) trans-1,2-Dichloroethene	5.04	96	75942	19.708	ug/l 95
20) Diisopropyl ether	5.95	45	263185	20.283	ug/l 97
21) 1,1-Dichloroethane	5.85	63	142541	18.798	ug/l 100
22) cis-1,2-Dichloroethene	6.83	96	89095	19.801	ug/l 99
23) tert-Butyl Alcohol	4.77	59	18129m	88.637	ug/l
24) Methyl tert-Butyl Ether	5.05	73	191160	19.173	ug/l # 75
25) Chloroform	7.37	83	147901	19.425	ug/l 97
26) Cyclohexane	7.65	56	136123	20.025	ug/l # 95
29) 1,1-Dichloropropene	7.79	75	112884	19.077	ug/l 95
30) 2-Butanone	6.83	43	143060	90.786	ug/l # 73
31) 2,2-Dichloropropane	6.82	77	113559	18.631	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	127156	19.206	ug/l 97
33) Carbon Tetrachloride	7.78	117	112319	19.076	ug/l 98
34) Benzene	8.04	78	340921	19.677	ug/l 98
35) Methacrylonitrile	7.20	41	52675m	24.371	ug/l
36) 1,2-Dichloroethane	8.12	62	107085	18.486	ug/l 99
37) Trichloroethene	8.83	130	86922	20.045	ug/l 85
38) Methylcyclohexane	9.08	83	140188	19.421	ug/l 97
39) 1,2-Dichloropropane	9.12	63	91091	19.751	ug/l 98
40) Dibromomethane	9.20	93	53616	18.860	ug/l 95

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 QLast Update : Fri Nov 02 05:39:38 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	109900	18.895	ug/l	94
42) Vinyl Acetate	5.90	43	865722	93.845	ug/l	100
43) Ethyl Acetate	6.83	43	143060	18.065	ug/l #	86
44) Isopropyl Acetate	8.16	43	118230	18.032	ug/l	99
45) 1,4-Dioxane	9.19	88	9993	334.094	ug/l #	71
46) Methyl methacrylate	9.20	41	60229	18.454	ug/l	95
47) n-amyl Acetate	12.07	43	103310	17.383	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	107799	18.664	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	127700	19.156	ug/l	99
50) 1,1,2-Trichloroethane	10.56	97	72128	19.187	ug/l	96
51) Ethyl methacrylate	10.43	69	87716	18.055	ug/l	96
52) 1,3-Dichloropropane	10.71	76	125653	19.190	ug/l	98
53) Dibromochloromethane	10.90	129	79149	19.503	ug/l	98
54) 1,2-Dibromoethane	11.00	107	71084	18.648	ug/l	99
55) 2-Chloroethyl vinyl ether	9.69	63	248690	93.478	ug/l	100
56) Bromoform	12.13	173	43563	18.585	ug/l	97
58) 4-Methyl-2-Pentanone	9.98	43	319394	87.914	ug/l	99
59) 2-Hexanone	10.75	43	218280	87.261	ug/l	98
61) Tetrachloroethene	10.63	164	78765	21.361	ug/l	95
62) Toluene	10.16	91	371937	19.542	ug/l	98
64) Chlorobenzene	11.43	112	229680	19.041	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	80733	19.665	ug/l	99
66) Ethyl Benzene	11.51	91	397740	19.347	ug/l	97
67) m/p-Xylenes	11.62	106	312417	39.472	ug/l	94
68) o-Xylene	11.95	106	148581	19.690	ug/l	94
69) Styrene	11.96	104	236557	19.454	ug/l	97
70) Isopropylbenzene	12.25	105	402319	19.860	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	79785	17.906	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	60997m	15.570	ug/l	
73) Bromobenzene	12.53	156	90652	20.196	ug/l	89
74) n-propylbenzene	12.59	91	459691	19.487	ug/l	100
75) 2-Chlorotoluene	12.67	91	259748	19.099	ug/l	97
76) 1,3,5-Trimethylbenzene	12.73	105	314310	19.350	ug/l	97
77) t-1,4-Dichloro-2-butene	12.30	75	20438	16.673	ug/l	96
78) 4-Chlorotoluene	12.77	91	262534	19.169	ug/l	97
79) tert-butylbenzene	12.99	119	281798	19.915	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	314895	19.459	ug/l	98
81) sec-Butylbenzene	13.17	105	383760	19.707	ug/l	98
82) p-Isopropyltoluene	13.29	119	327391	19.895	ug/l	98
83) 1,3-Dichlorobenzene	13.28	146	161421	20.331	ug/l	97
84) 1,4-Dichlorobenzene	13.36	146	155369	19.767	ug/l	97
85) n-Butylbenzene	13.61	91	270149	18.967	ug/l	99
86) Hexachloroethane	13.87	117	52155	18.781	ug/l	90
87) 1,2-Dichlorobenzene	13.65	146	150448	19.944	ug/l	97
88) 1,2-Dibromo-3-Chloropropan	14.27	75	10655	17.488	ug/l	89
89) 1,2,4-Trichlorobenzene	14.91	180	63249	20.655	ug/l	98
90) Hexachlorobutadiene	15.01	225	37620	22.456	ug/l	100
91) Naphthalene	15.13	128	140215	19.866	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	58268	21.833	ug/l	99

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ClientSampleId :
VN1108WBS02

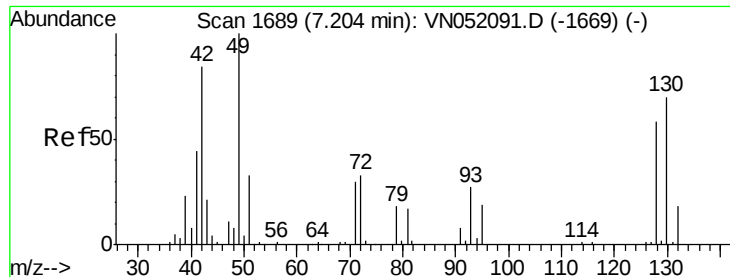
Manual Integrations
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QLast Update : Fri Nov 02 05:39:38 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



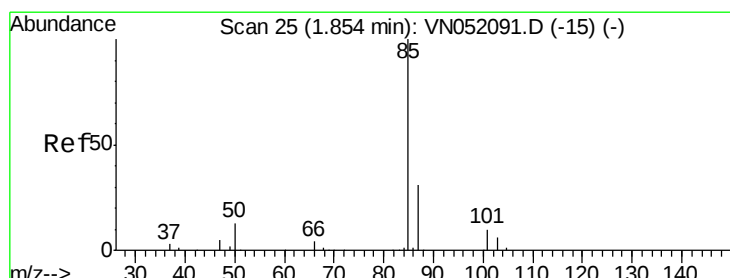
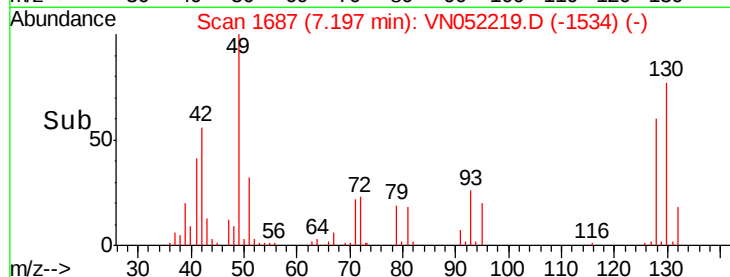
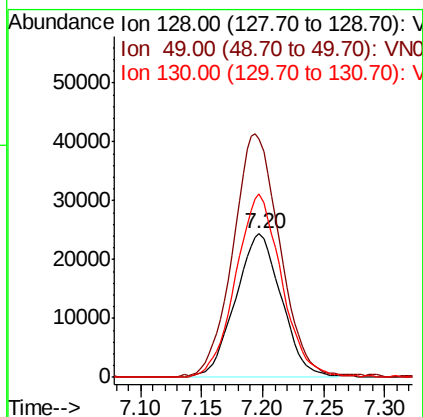
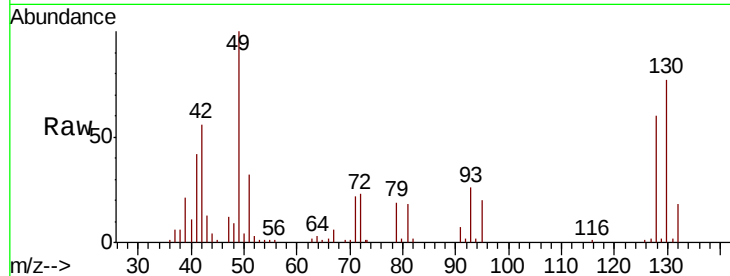
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. -0.01 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion:128 Resp: 63595
Ion Ratio Lower Upper
128 100
49 170.9 0.0 453.7
130 127.7 0.0 308.8

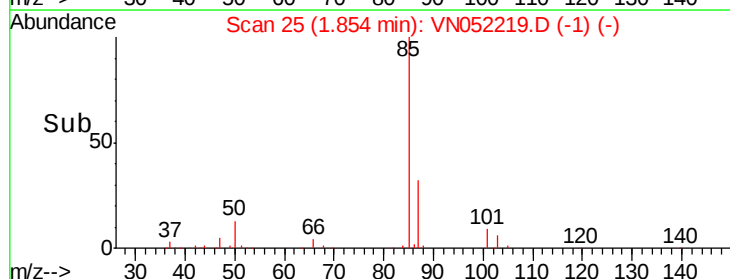
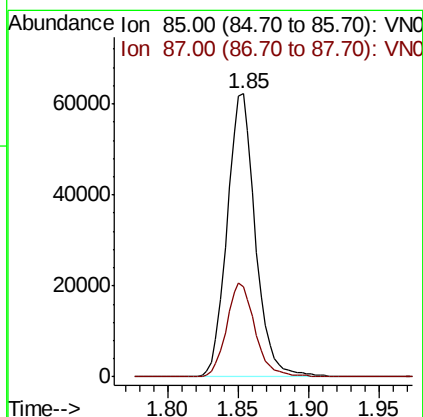
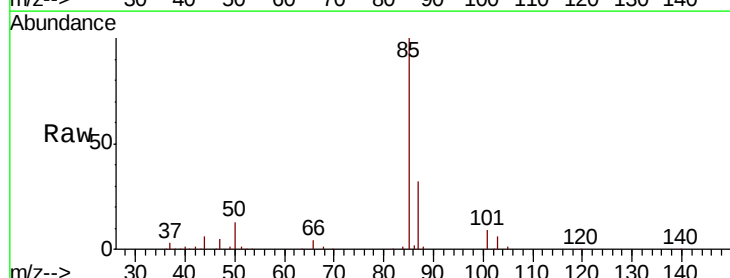
Manual Integrations
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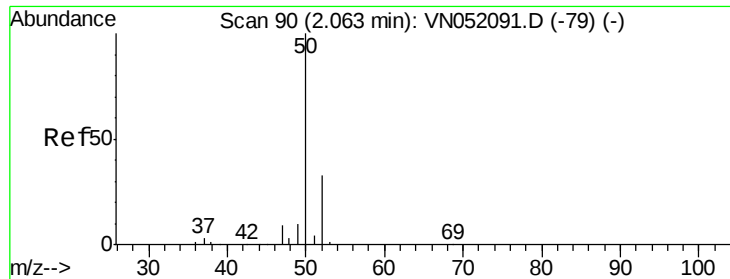
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#2
Dichlorodifluoromethane
Concen: 20.551 ug/l
RT: 1.85 min Scan# 25
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion: 85 Resp: 87289
Ion Ratio Lower Upper
85 100
87 31.9 15.7 47.1





#3

Chloromethane

Concen: 20.405 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 50 Resp: 99052

Ion Ratio Lower Upper

50 100

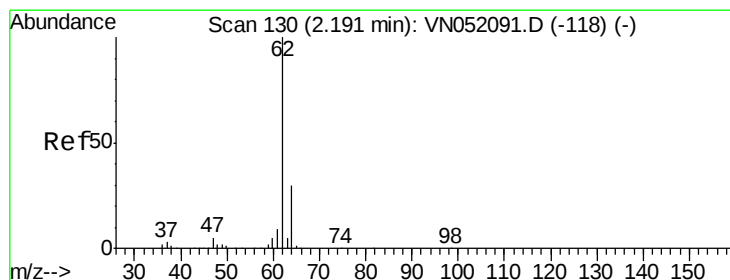
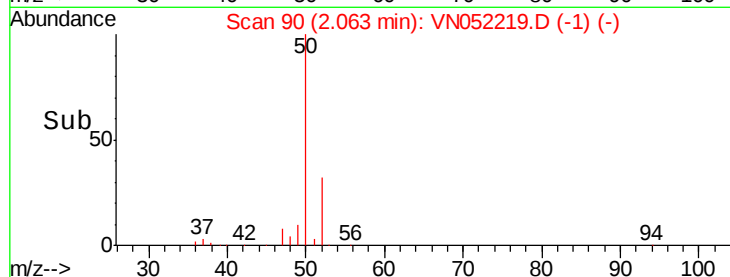
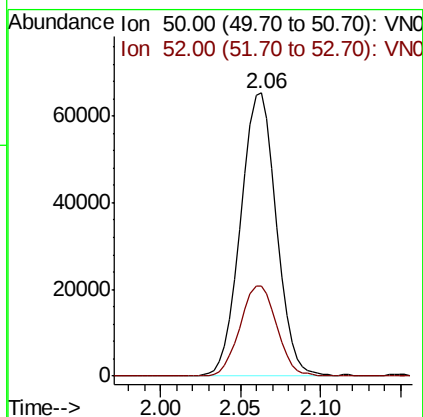
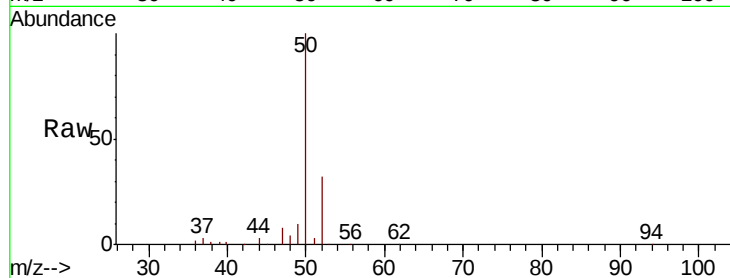
52 31.8 26.5 39.7

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#4

Vinyl Chloride

Concen: 19.826 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052219.D

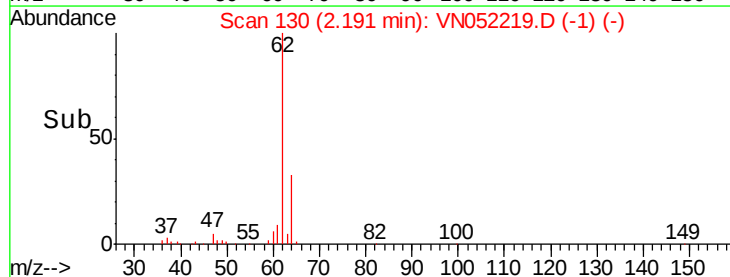
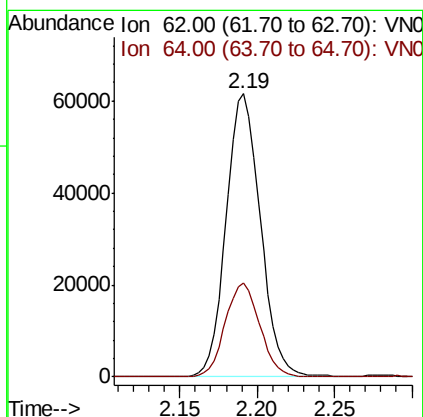
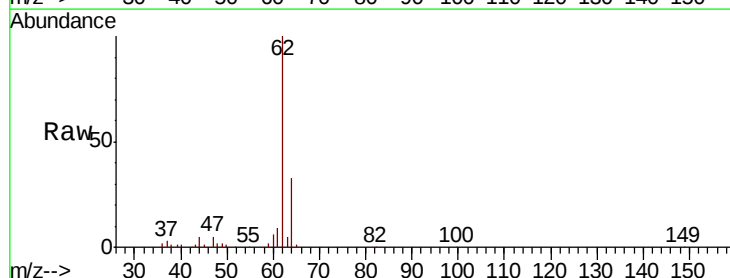
Acq: 8 Nov 2018 13:18

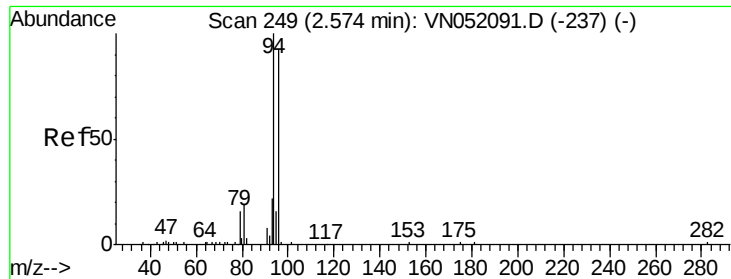
Tgt Ion: 62 Resp: 94410

Ion Ratio Lower Upper

62 100

64 33.1 24.2 36.4





#5

Bromomethane

Concen: 19.326 ug/l

RT: 2.58 min Scan# 251

Delta R.T. 0.01 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 94 Resp: 62819

Ion Ratio Lower Upper

94 100

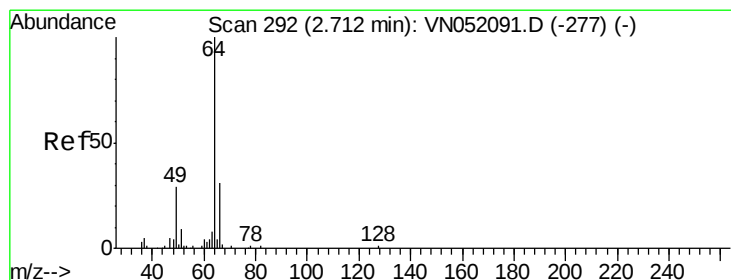
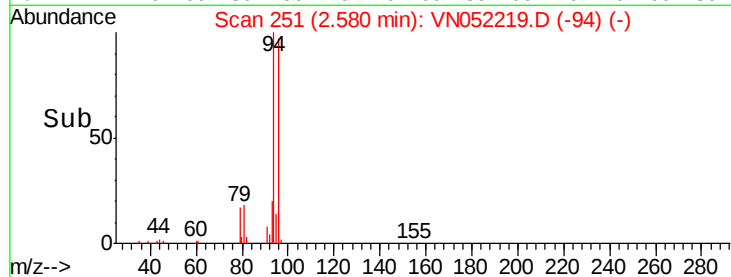
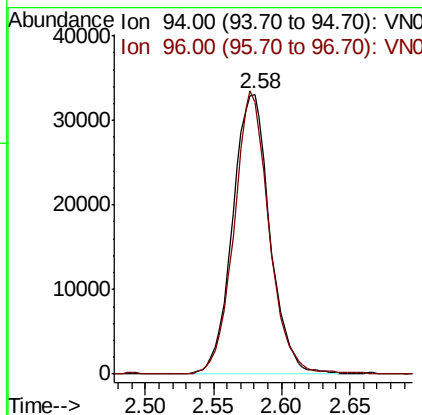
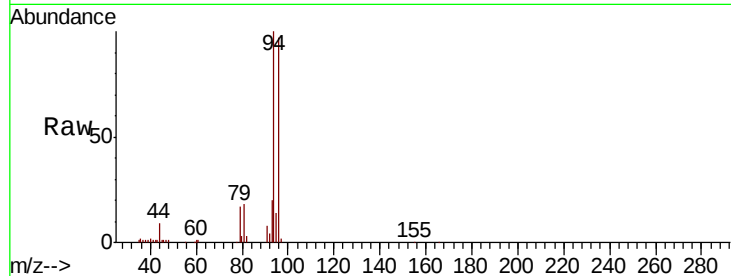
96 97.3 73.4 110.0

Manual Integrations

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#6

Chloroethane

Concen: 18.653 ug/l

RT: 2.71 min Scan# 292

Delta R.T. -0.00 min

Lab File: VN052219.D

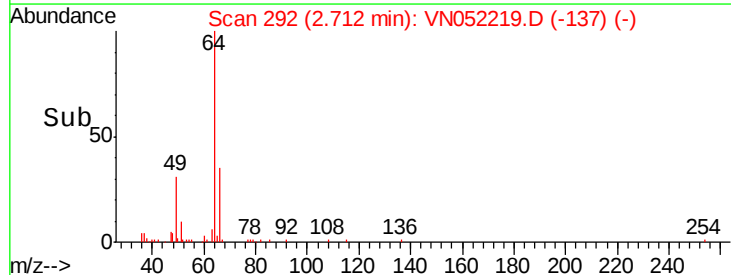
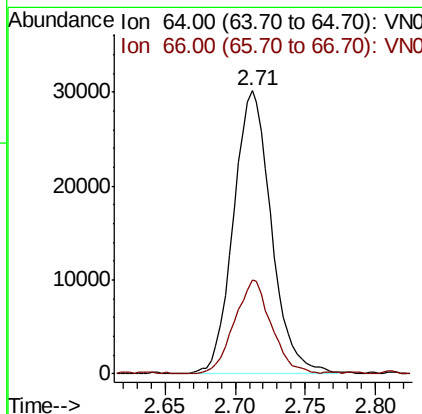
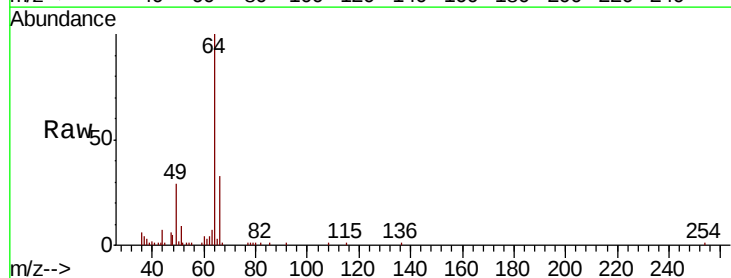
Acq: 8 Nov 2018 13:18

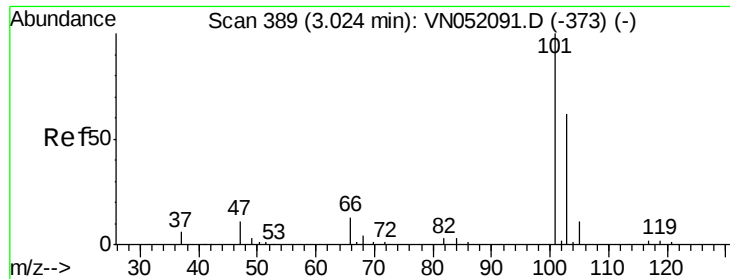
Tgt Ion: 64 Resp: 56797

Ion Ratio Lower Upper

64 100

66 33.0 24.7 37.1





#7

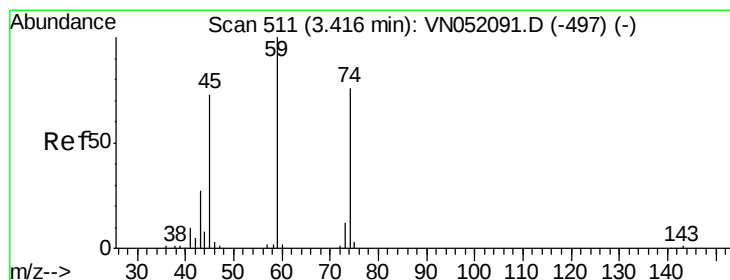
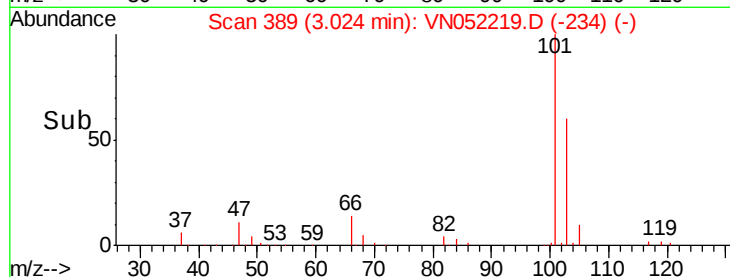
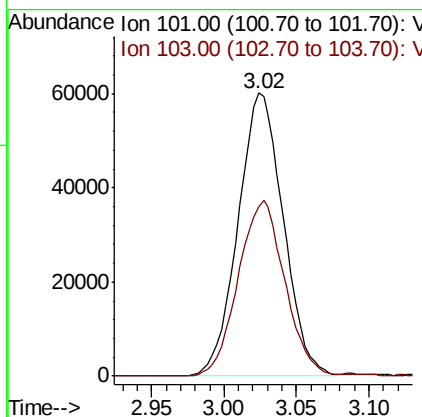
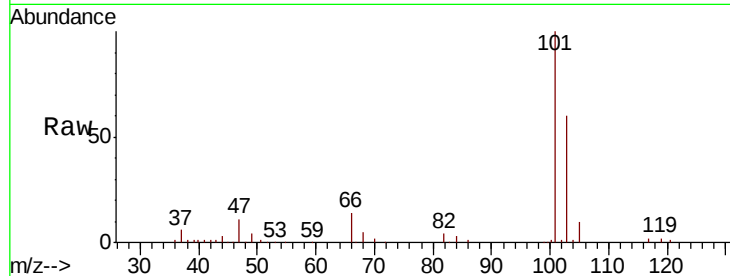
Trichlorofluoromethane
Concen: 20.235 ug/l
RT: 3.02 min Scan# 389
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.7	49.5	74.3

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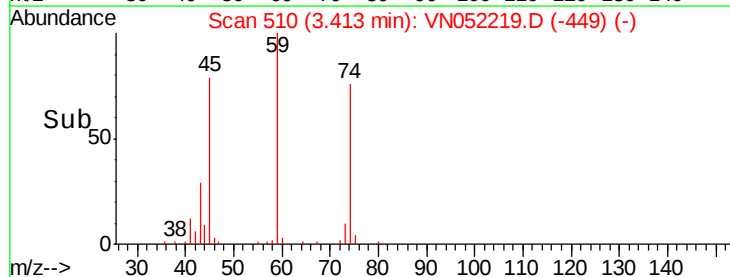
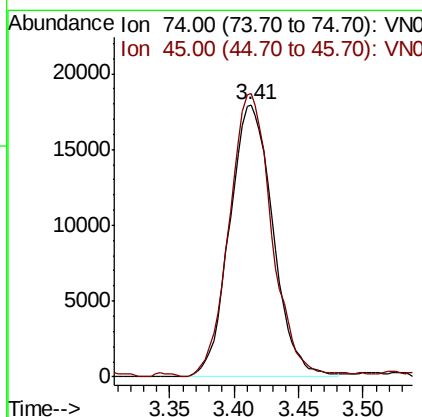
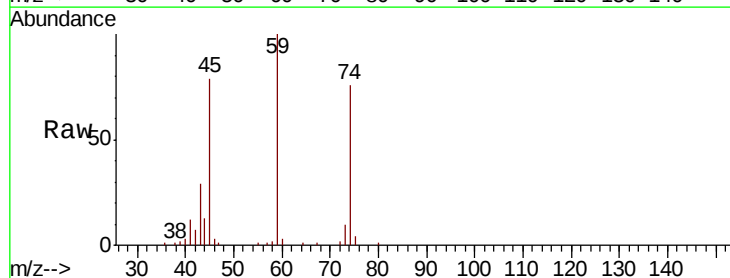
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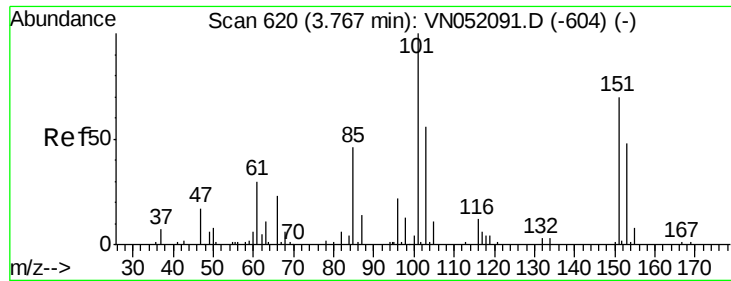


#8

Diethyl Ether
Concen: 19.259 ug/l
RT: 3.41 min Scan# 510
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.3	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.141 ug/l

RT: 3.76 min Scan# 619

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

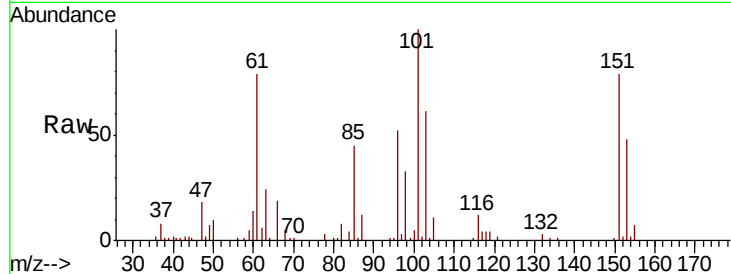
ClientSampled :

VN1108WBS02

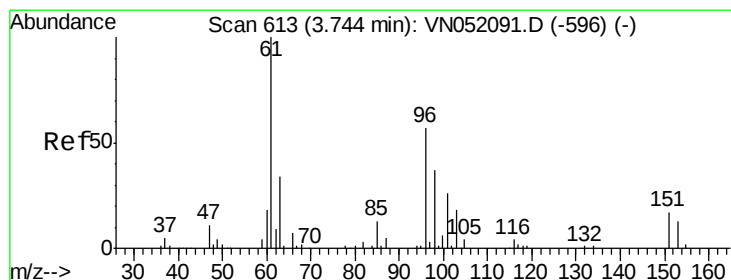
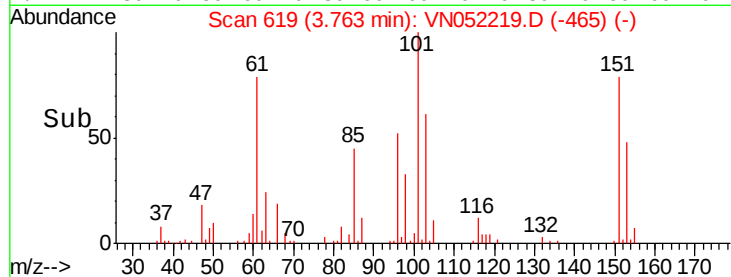
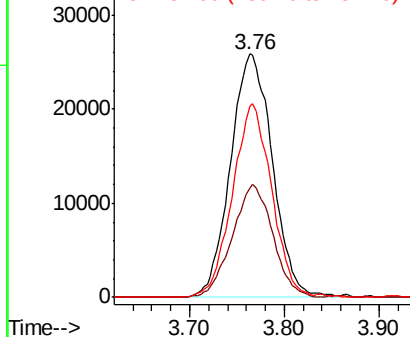
Tot Ion:	101	Resp:	79681
Ion Ratio	Lower	Upper	
101	100		
85	44.7	0.0	98.0
151	74.2	0.0	139.6

Manual Integrations
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11/9/2018 11:49:17 AM



Abundance Ion 101.00 (100.70 to 101.70): V
Ion 85.00 (84.70 to 85.70): V
Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.918 ug/l

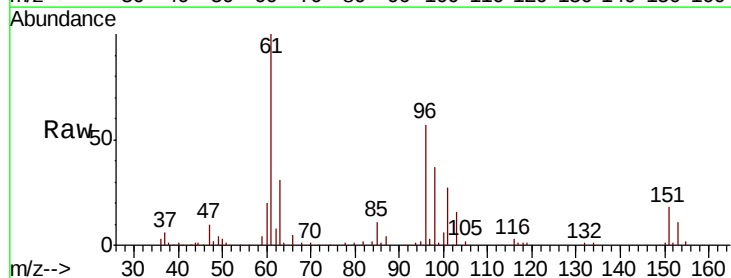
RT: 3.74 min Scan# 612

Delta R.T. -0.00 min

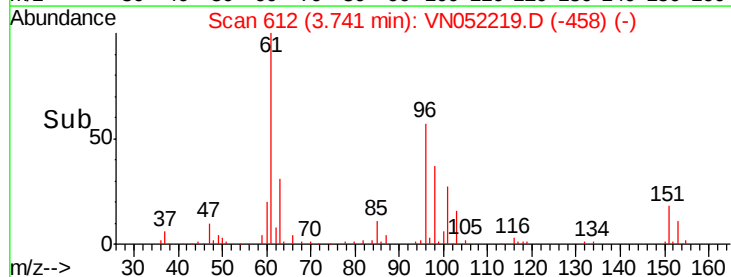
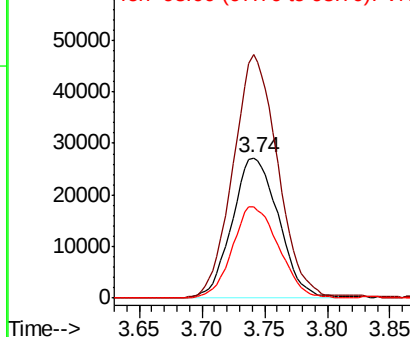
Lab File: VN052219.D

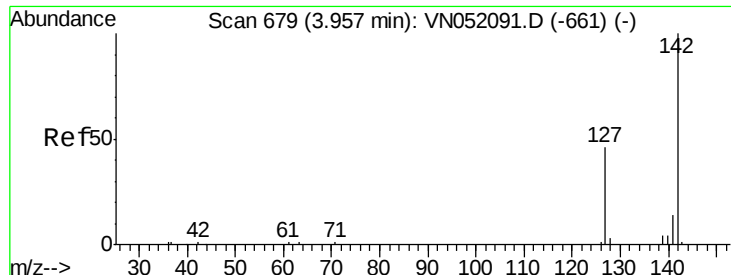
Acq: 8 Nov 2018 13:18

Tgt Ion:	96	Resp:	70048
Ion Ratio	Lower	Upper	
96	100		
61	173.0	140.3	210.5
98	65.0	52.0	78.0



Abundance Ion 96.00 (95.70 to 96.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 98.00 (97.70 to 98.70): V





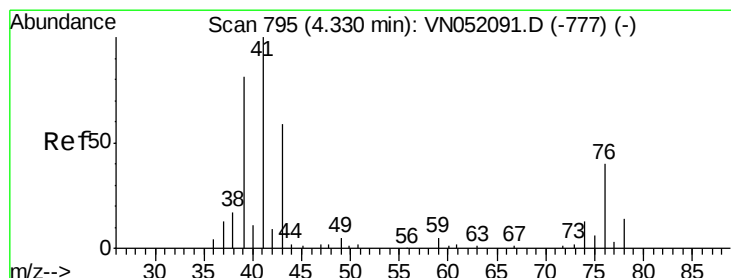
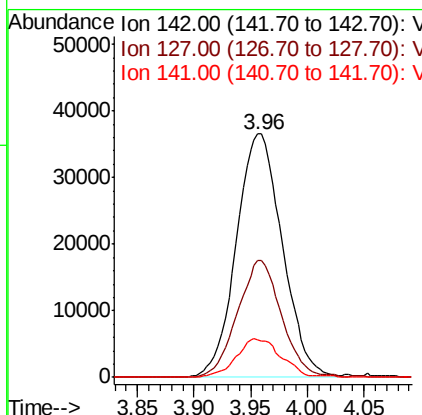
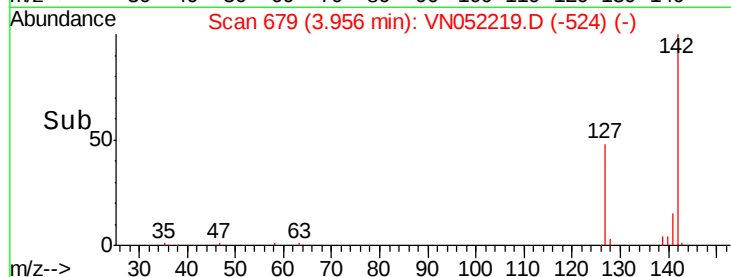
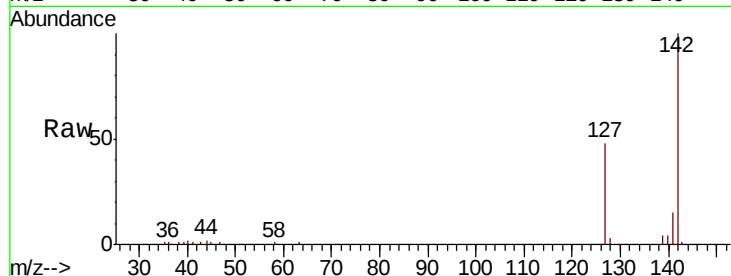
#11
Methyl Iodide
Concen: 20.318 ug/l
RT: 3.96 min Scan# 679
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
142	100		
127	48.0	23.1	69.2
141	15.3	7.0	20.9

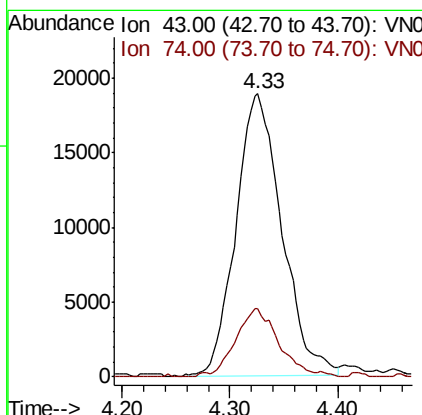
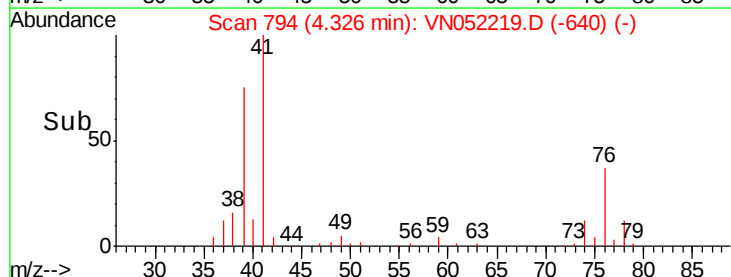
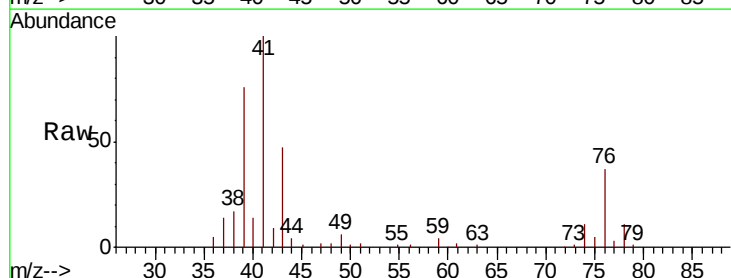
Manual Integrations
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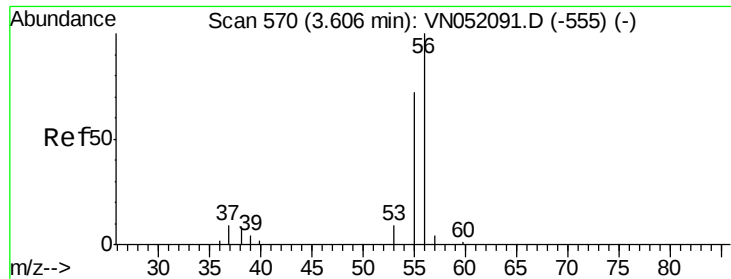
MMDadoda
11/9/2018 11:49:17 AM



#12
Methyl Acetate
Concen: 18.879 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	17.4	26.2





#13

Acrolein

Concen: 75.426 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 56 Resp: 23682

Ion Ratio Lower Upper

56 100

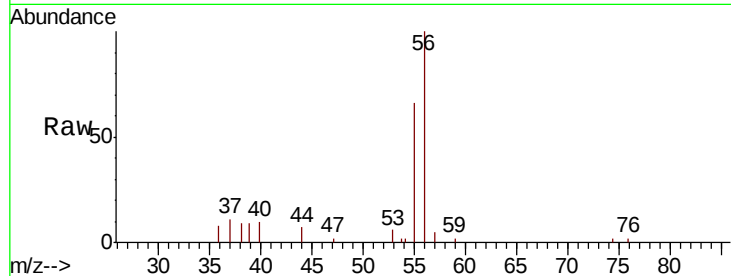
55 68.4 56.2 84.2

Manual Integrations

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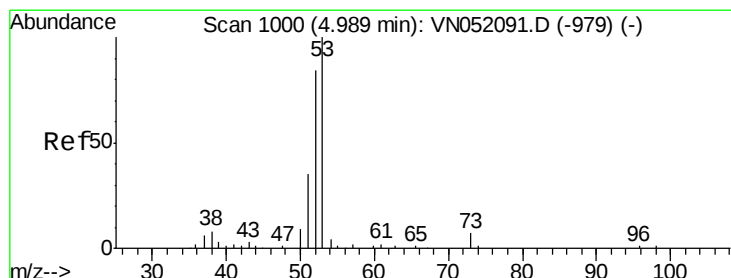
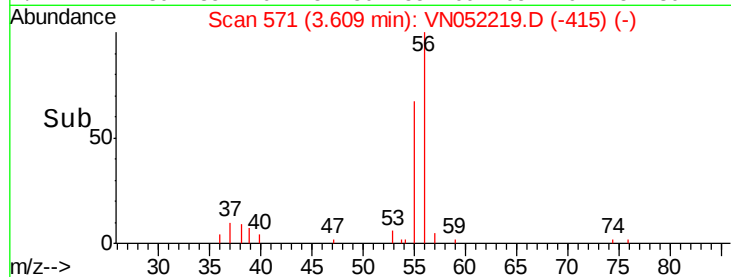
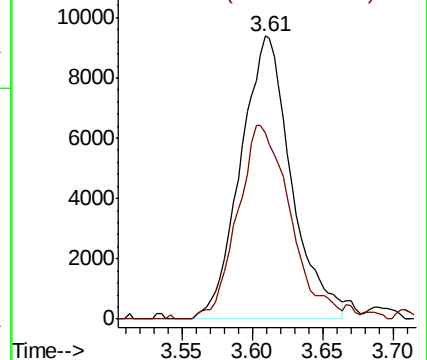
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Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Acrylonitrile

Concen: 89.542 ug/l

RT: 4.99 min Scan# 999

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

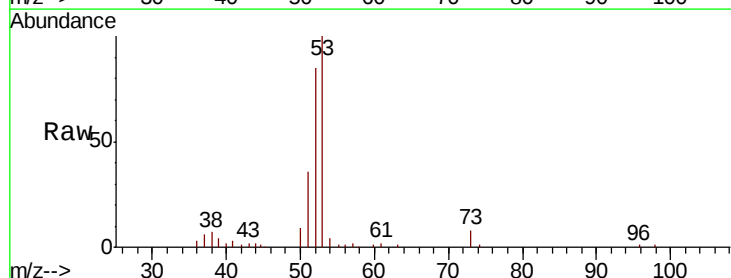
Tgt Ion: 53 Resp: 117544

Ion Ratio Lower Upper

53 100

52 81.0 41.3 124.1

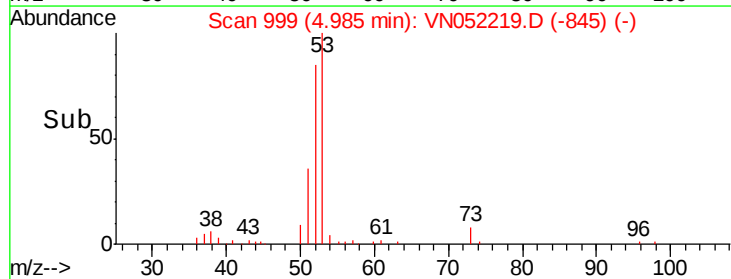
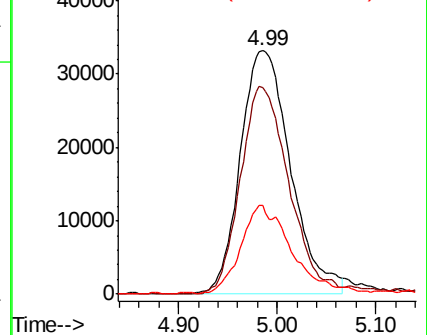
51 19.3 18.6 55.6

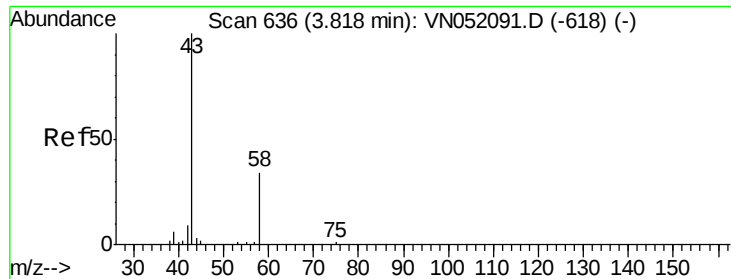


Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0





#15

Acetone

Concen: 97.948 ug/l m

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 58 Resp: 30389

Ion Ratio Lower Upper

58 100

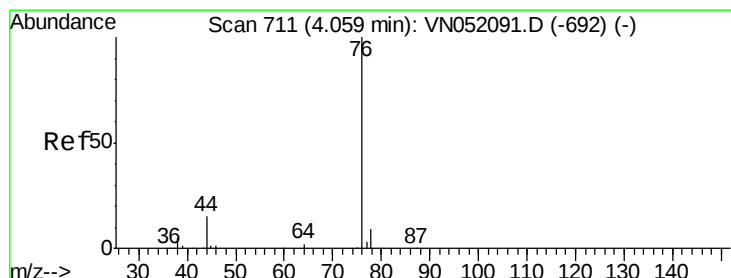
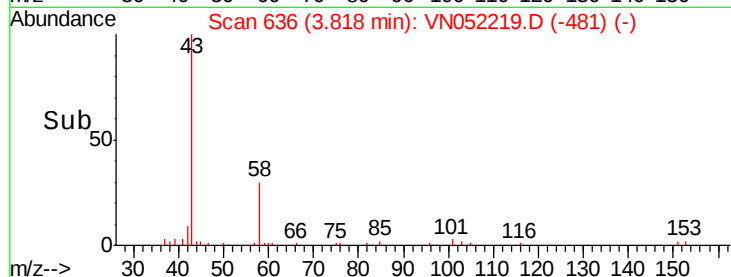
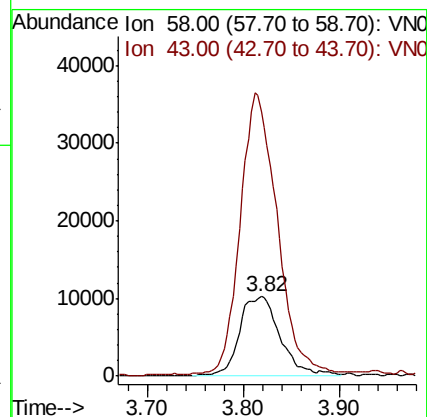
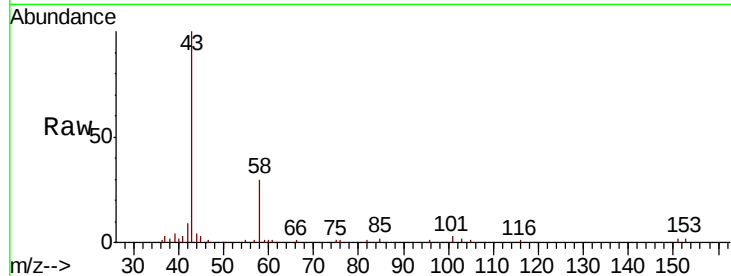
43 331.7 234.7 352.1

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#16

Carbon Disulfide

Concen: 18.818 ug/l

RT: 4.06 min Scan# 711

Delta R.T. -0.00 min

Lab File: VN052219.D

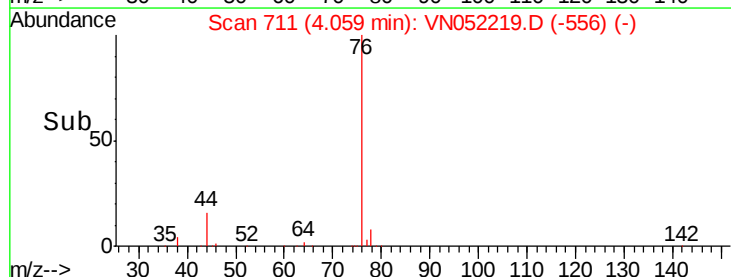
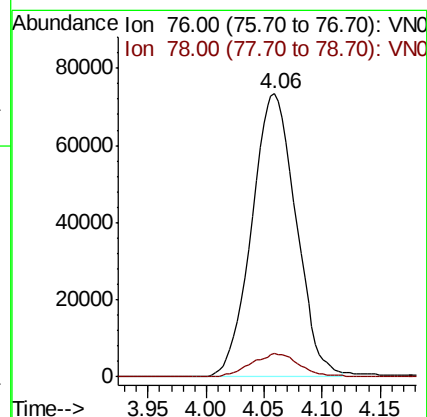
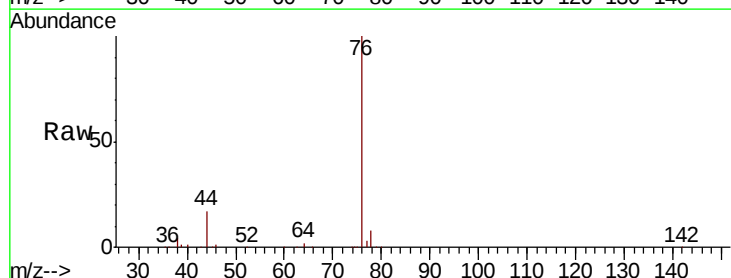
Acq: 8 Nov 2018 13:18

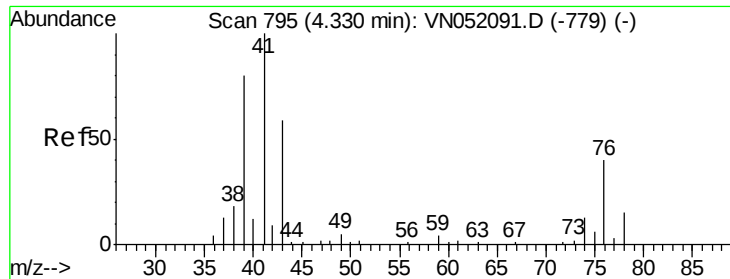
Tgt Ion: 76 Resp: 195405

Ion Ratio Lower Upper

76 100

78 8.3 7.0 10.6





#17

Allvl chloride

Concen: 18.408 ug/l

RT: 4.33 min Scan# 794

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

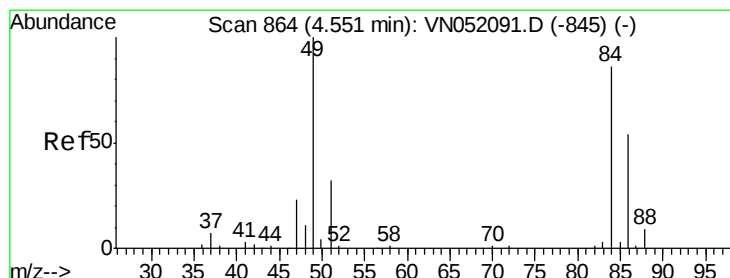
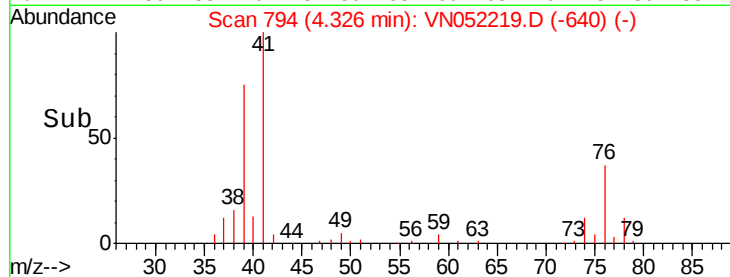
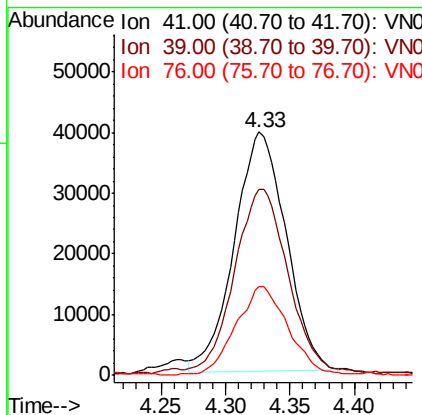
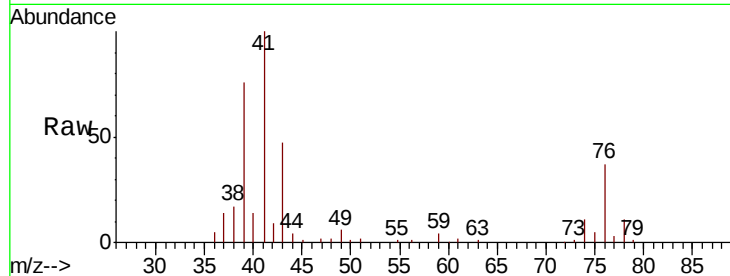
ClientSampleId :

VN1108WBS02

Tot Ion:	41	Resp:	109916
Ion Ratio	Lower	Upper	
41	100		
39	75.5	38.4	115.1
76	37.1	18.8	56.3

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#18

Methylene Chloride

Concen: 19.163 ug/l

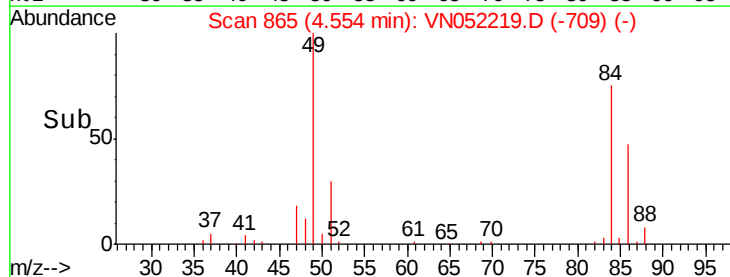
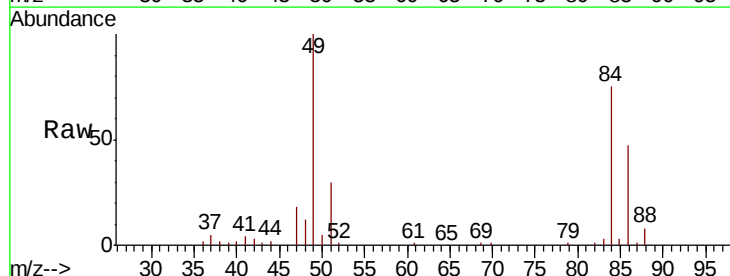
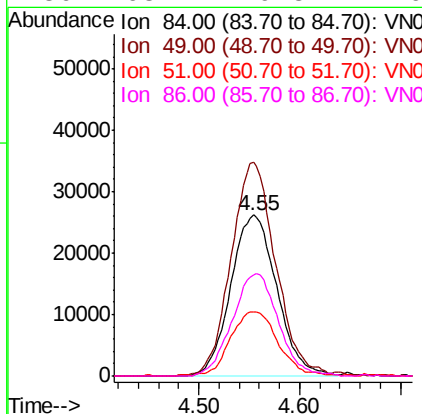
RT: 4.55 min Scan# 865

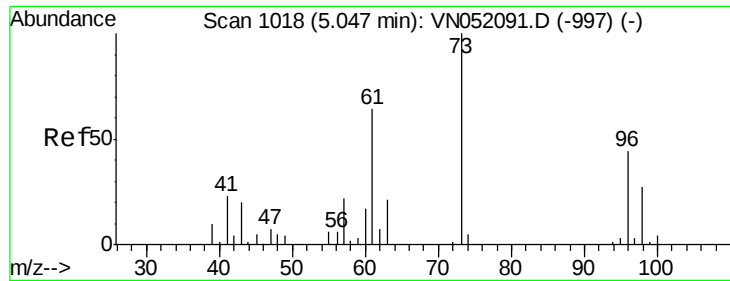
Delta R.T. 0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Tgt Ion:	84	Resp:	83185
Ion Ratio	Lower	Upper	
84	100		
49	131.7	92.6	138.8
51	39.1	29.7	44.5
86	63.1	49.8	74.6





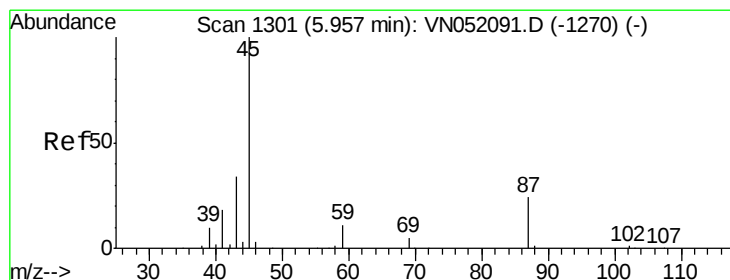
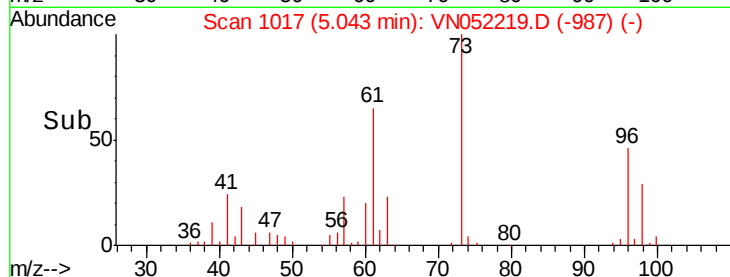
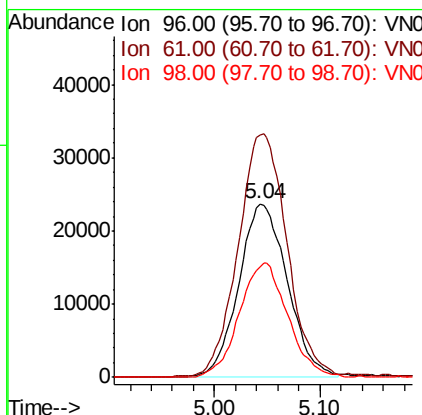
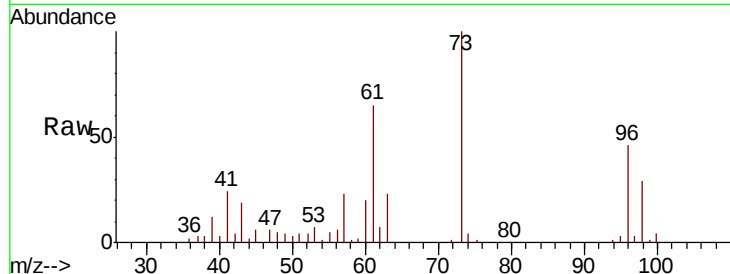
#19
trans-1,2-Dichloroethene
Concen: 19.708 ug/l
RT: 5.04 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.9	117.8	176.6
98	63.6	49.3	73.9

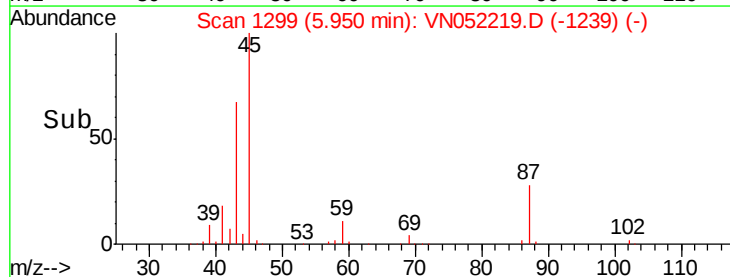
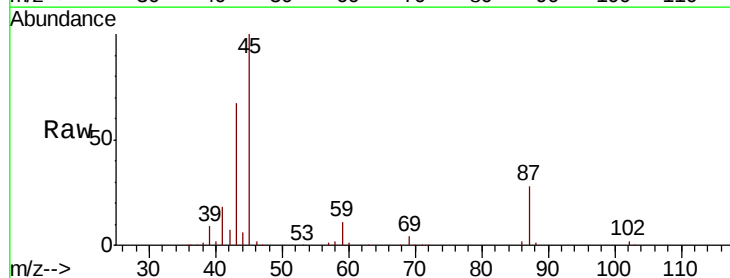
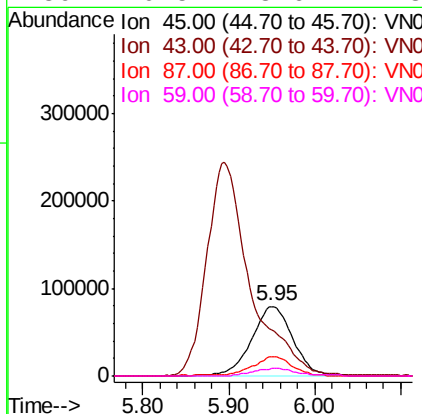
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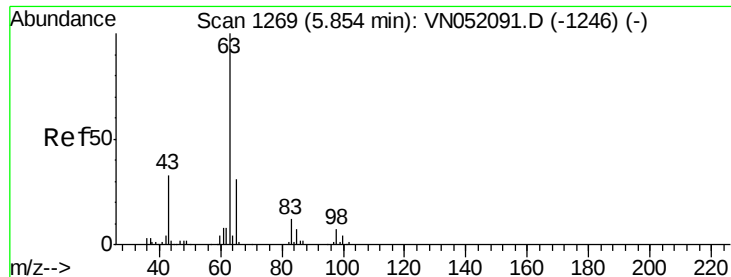
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#20
Diisopropyl ether
Concen: 20.283 ug/l
RT: 5.95 min Scan# 1299
Delta R.T. -0.01 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
45	100		
43	63.8	49.4	74.0
87	27.6	20.3	30.5
59	10.5	8.6	12.8





#21

1,1-Dichloroethane

Concen: 18.798 ug/l

RT: 5.85 min Scan# 1267

Delta R.T. -0.01 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

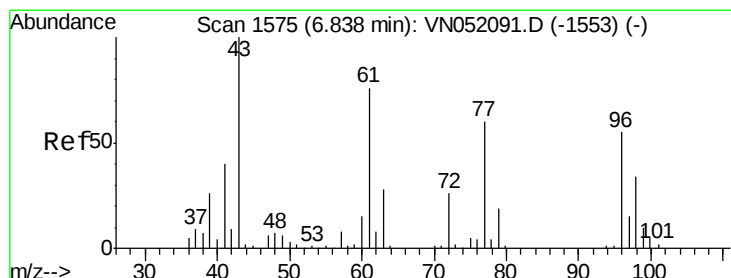
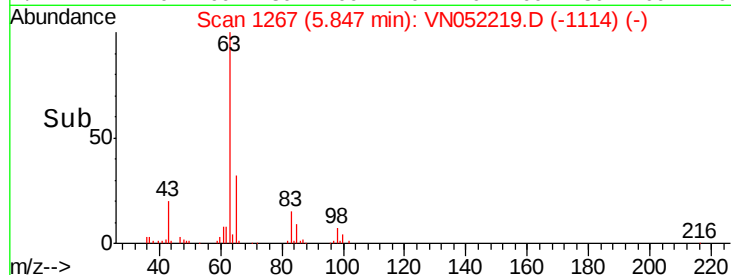
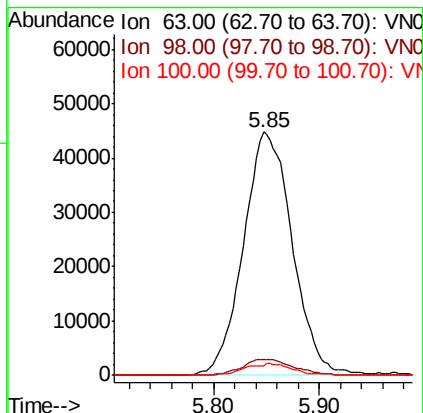
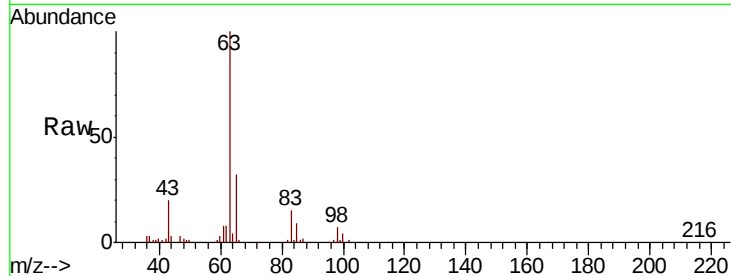
ClientSampleId :

VN1108WBS02

Tot Ion:	63	Resp:	142541
Ion Ratio	Lower	Upper	
63	100		
98	6.6	3.4	10.1
100	4.1	2.0	5.8

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#22

cis-1,2-Dichloroethene

Concen: 19.801 ug/l

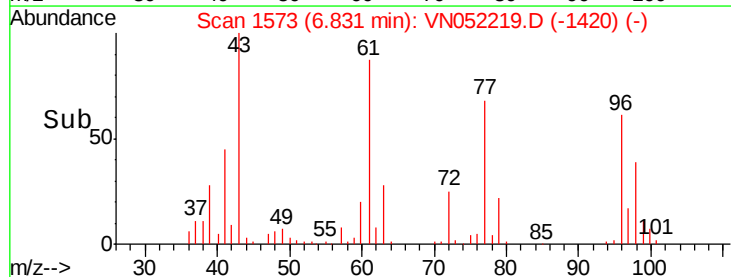
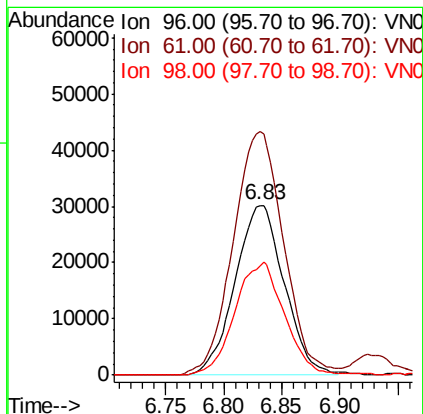
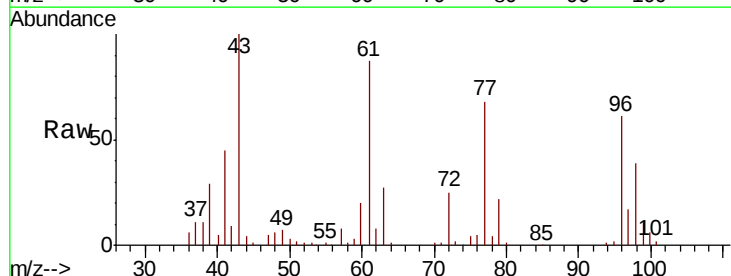
RT: 6.83 min Scan# 1573

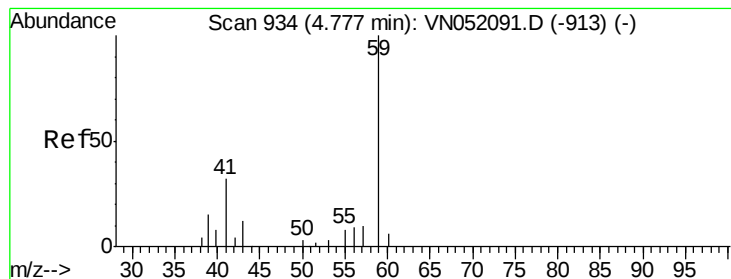
Delta R.T. -0.01 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Tgt Ion:	96	Resp:	89095
Ion Ratio	Lower	Upper	
96	100		
61	147.3	117.6	176.4
98	66.8	51.0	76.4





#23

tert-Butyl Alcohol

Concen: 88.637 ug/l

RT: 4.77 min Scan# 933

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 59 Resp: 18129

Ion Ratio Lower Upper

59 100

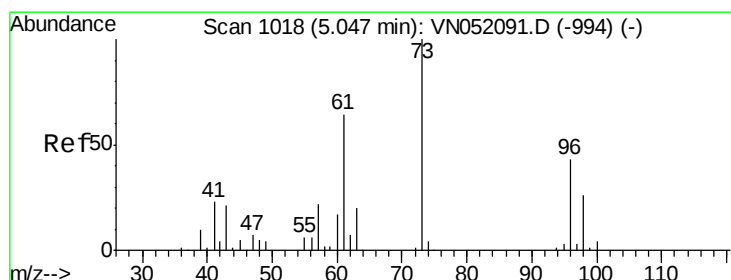
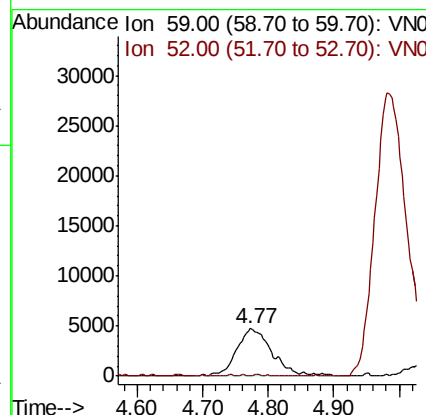
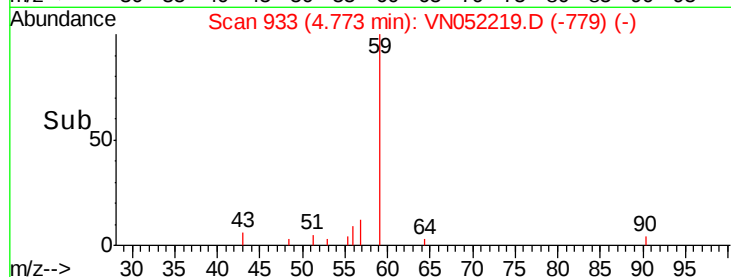
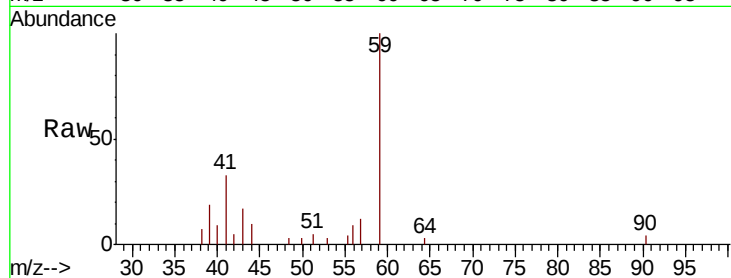
52 0.6 0.3 0.5#

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#24

Methyl tert-Butyl Ether

Concen: 19.173 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VN052219.D

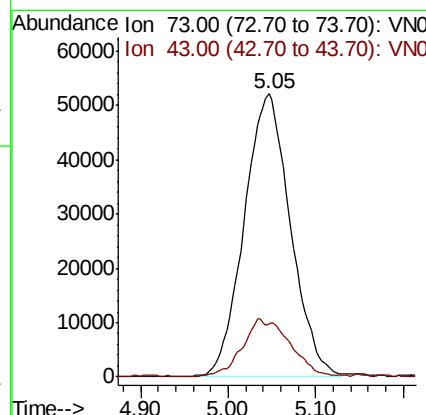
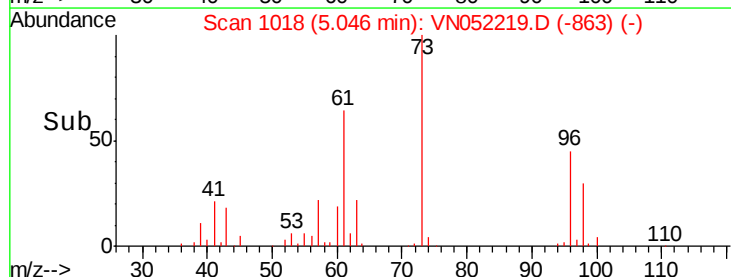
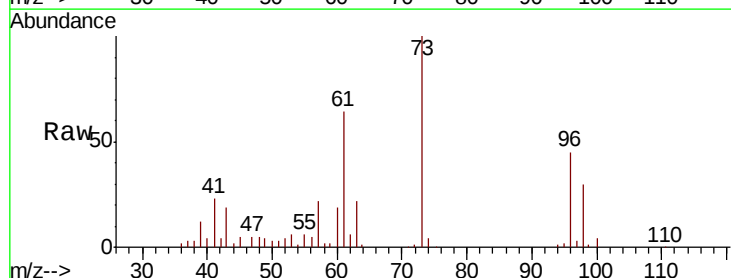
Acq: 8 Nov 2018 13:18

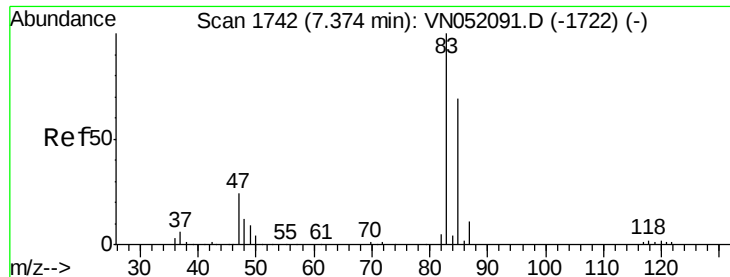
Tgt Ion: 73 Resp: 191160

Ion Ratio Lower Upper

73 100

43 10.2 17.4 26.2#





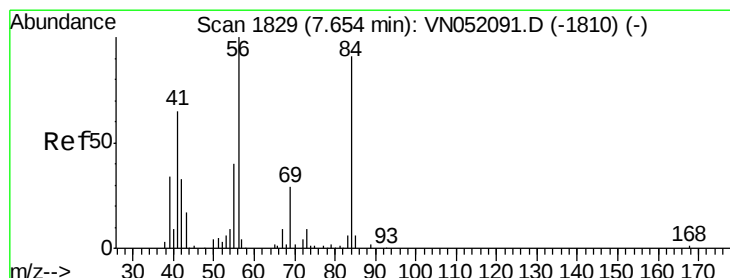
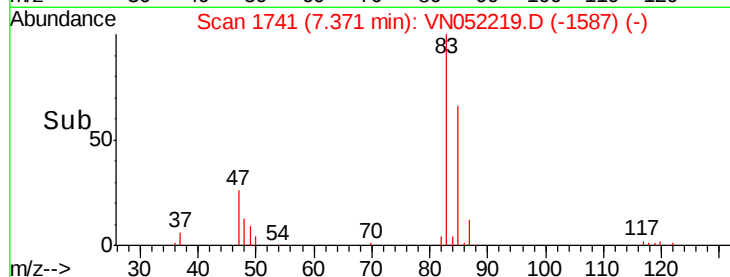
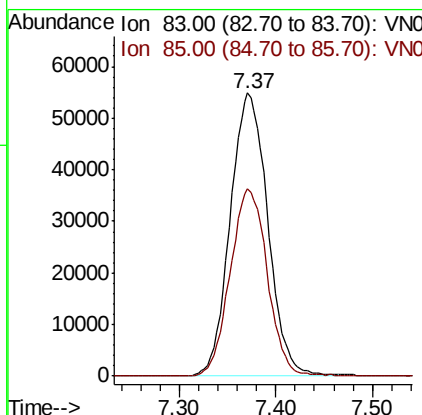
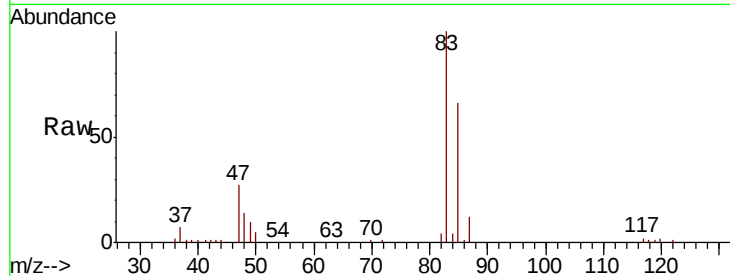
#25
Chloroform
Concen: 19.425 ug/l
RT: 7.37 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	83	Resp	147901
Ion Ratio	100	Lower	Upper
83	100		
85	66.0	54.9	82.3

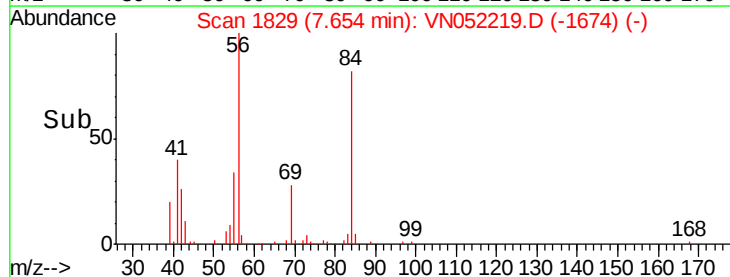
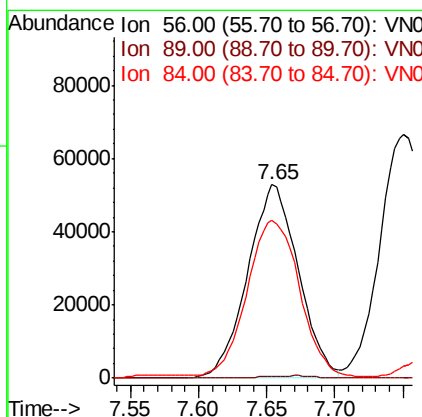
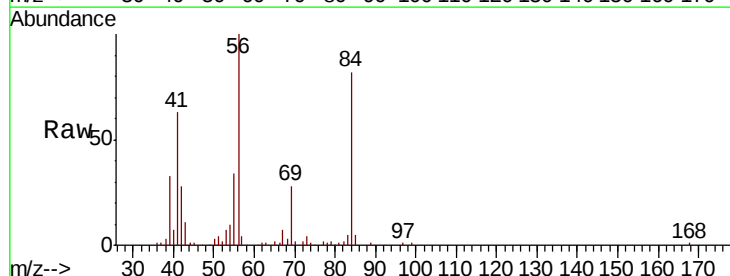
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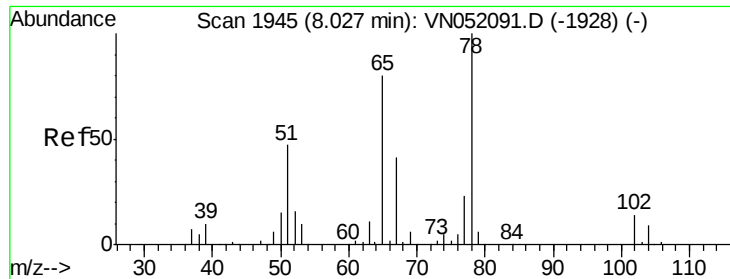
MMDadoda
11/9/2018 11:49:17 AM



#26
Cyclohexane
Concen: 20.025 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	56	Resp	136123
Ion Ratio	100	Lower	Upper
56	100		
89	0.6	2.2	3.2#
84	83.8	71.0	106.6





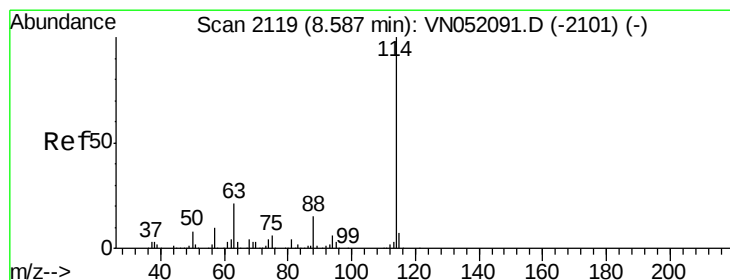
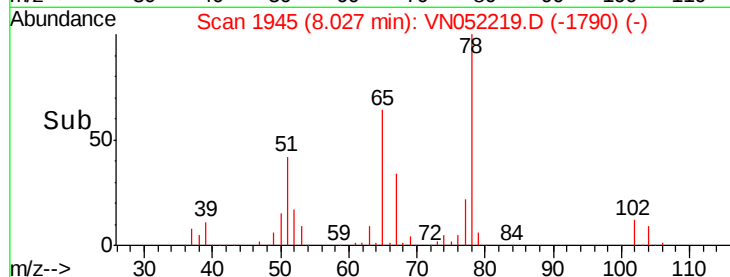
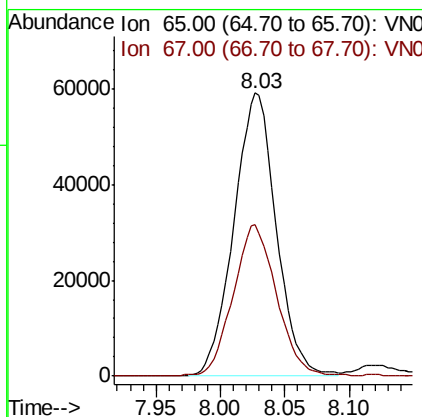
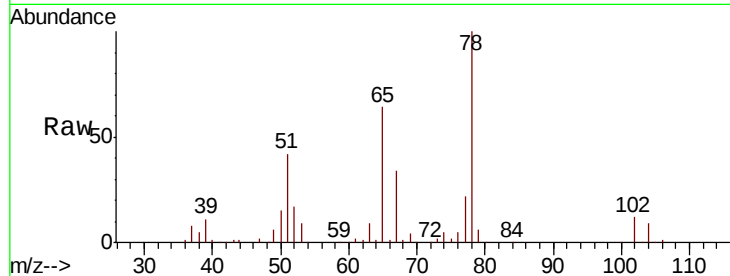
#27
 1,2-Dichloroethane-d4
 Concen: 20.025 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.6	42.6	64.0

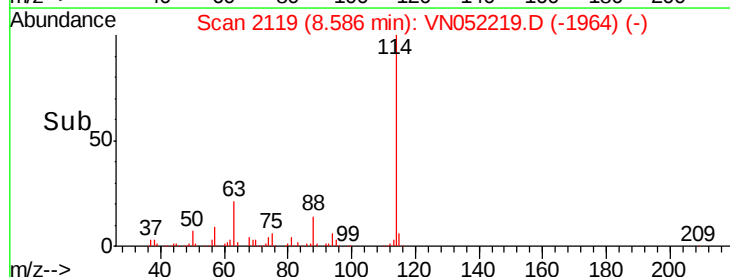
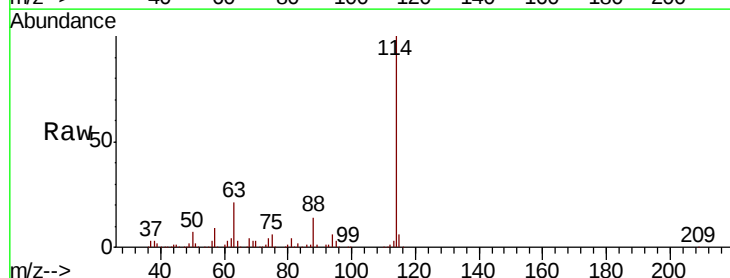
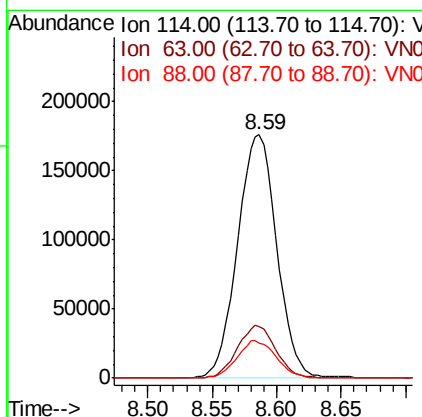
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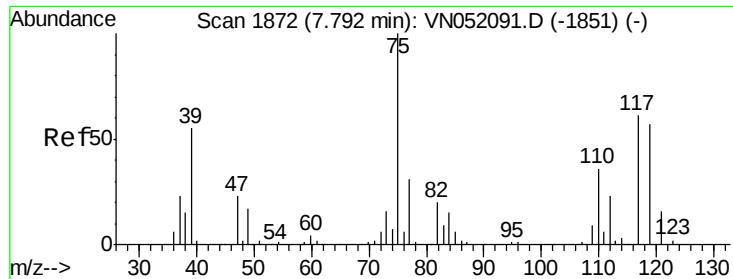
MMDadoda
 11/9/2018 11:49:17 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.2	17.5	26.3
88	15.5	12.6	18.8





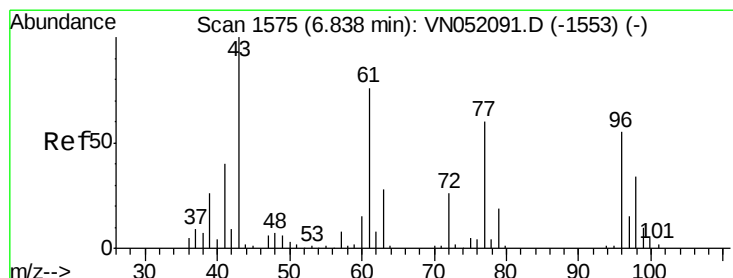
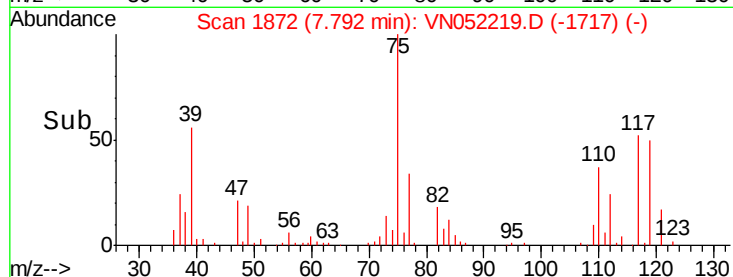
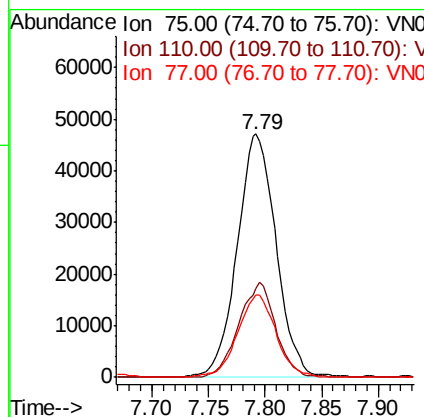
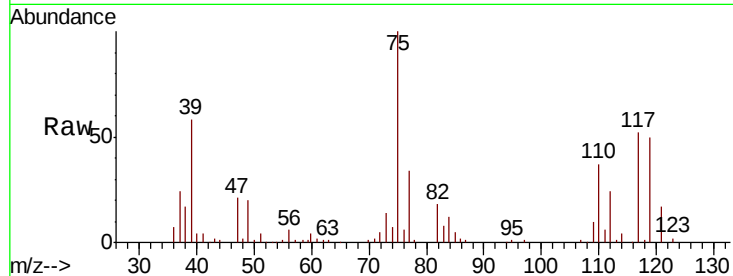
#29
 1,1-Dichloropropene
 Concen: 19.077 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
110	36.7	0.0	67.6
77	33.3	0.0	60.2

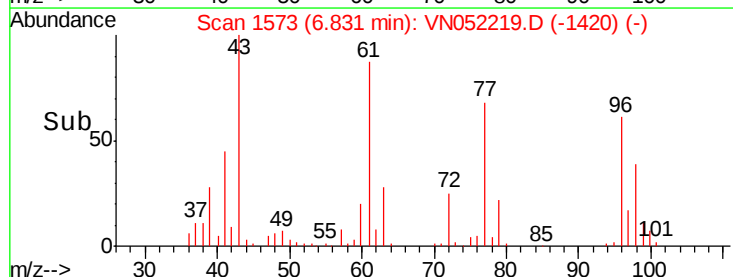
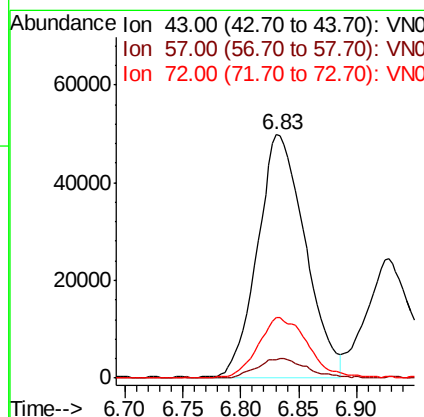
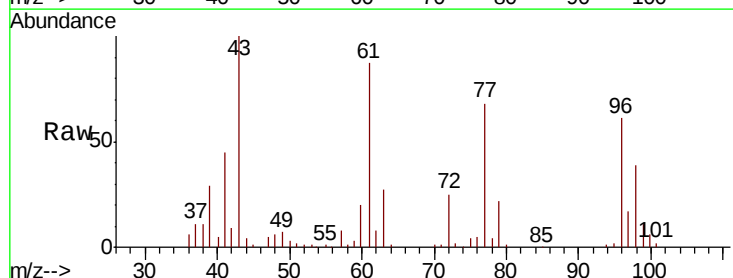
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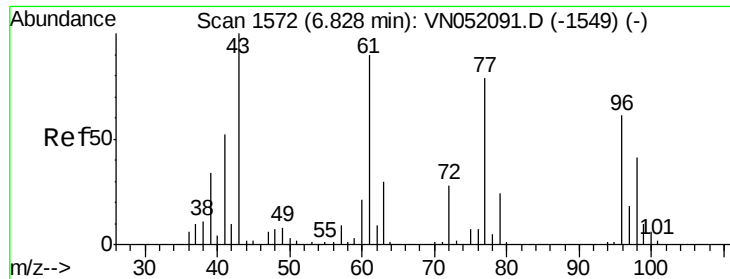
MMDadoda
 11/9/2018 11:49:17 AM



#30
 2-Butanone
 Concen: 90.786 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
43	100		
57	3.6	6.6	9.8#
72	26.0	9.2	13.8#





#31

2,2-Dichloropropane

Concen: 18.631 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampled :

VN1108WBS02

Tot Ion: 77 Resp: 11359

Ion Ratio Lower Upper

77 100

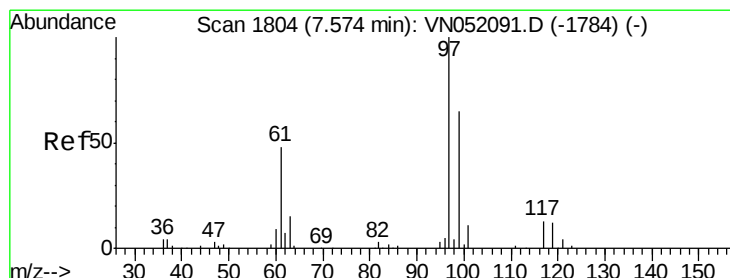
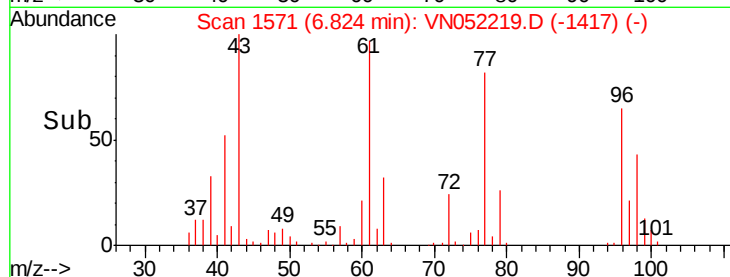
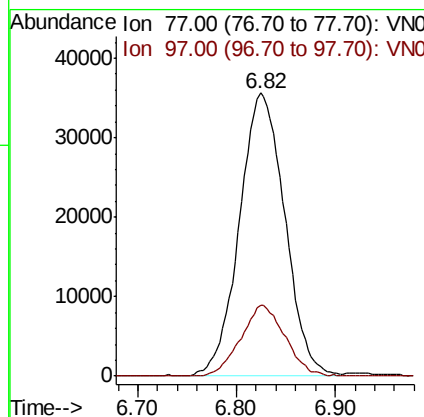
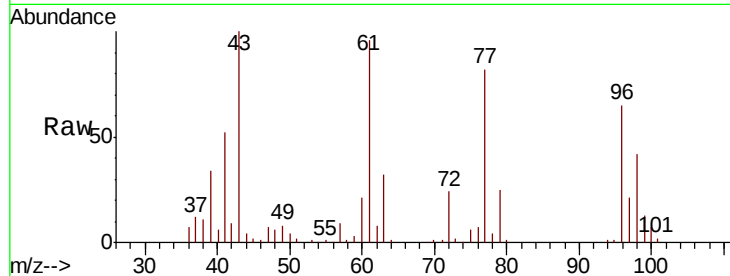
97 24.1 18.2 27.2

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11/9/2018 11:49:17 AM



#32

1,1,1-Trichloroethane

Concen: 19.206 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

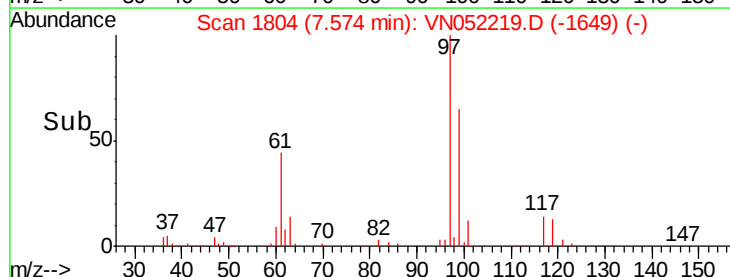
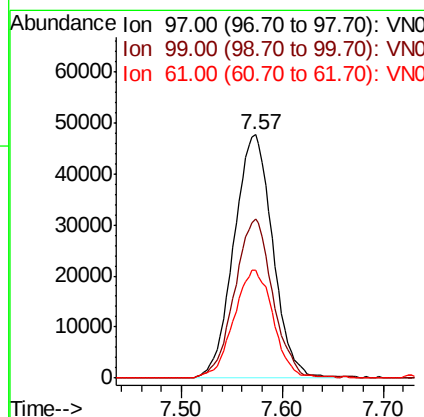
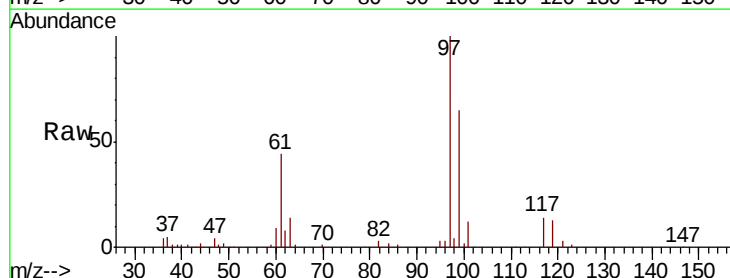
Tgt Ion: 97 Resp: 127156

Ion Ratio Lower Upper

97 100

99 64.0 51.7 77.5

61 45.0 38.7 58.1





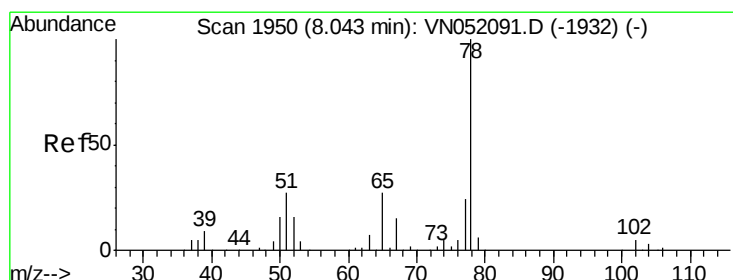
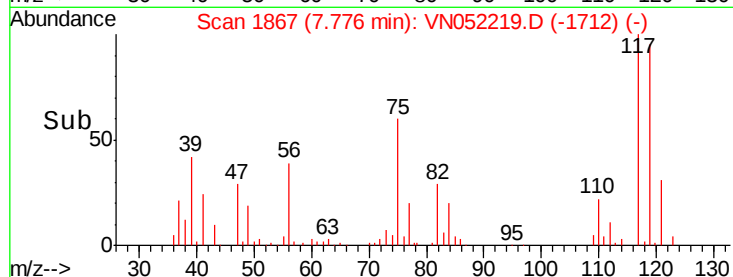
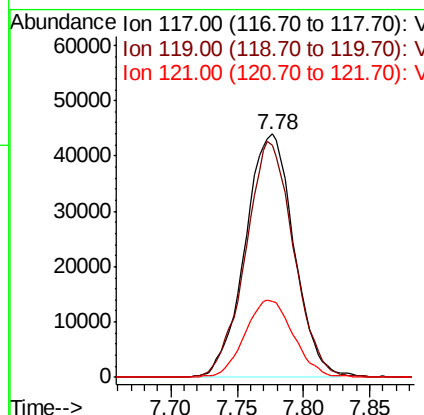
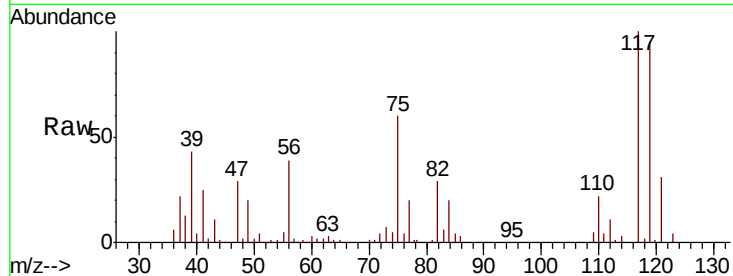
#33
Carbon Tetrachloride
Concen: 19.076 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
119	94.8	74.7	112.1
121	31.4	23.4	35.0

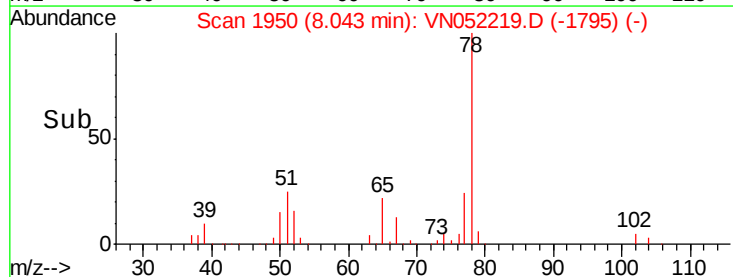
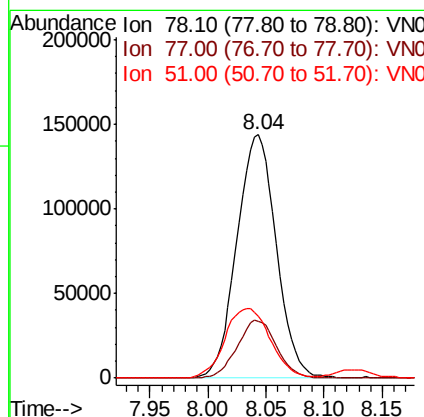
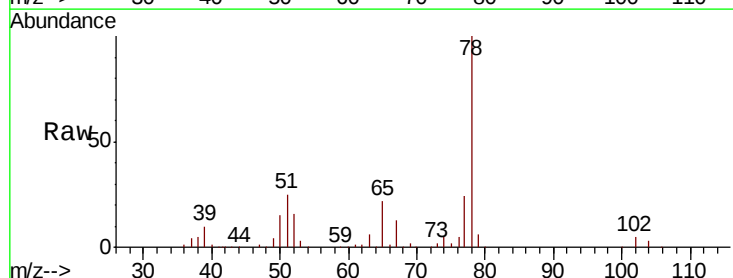
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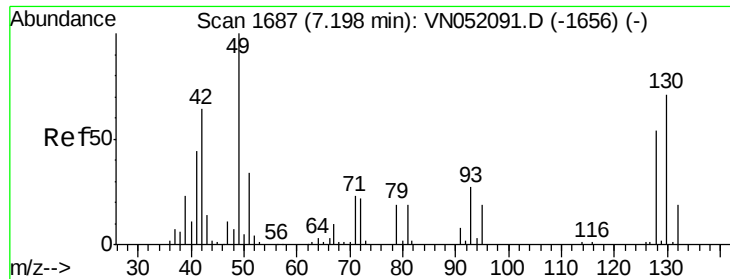
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#34
Benzene
Concen: 19.677 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.1	28.7
51	24.9	21.2	31.8





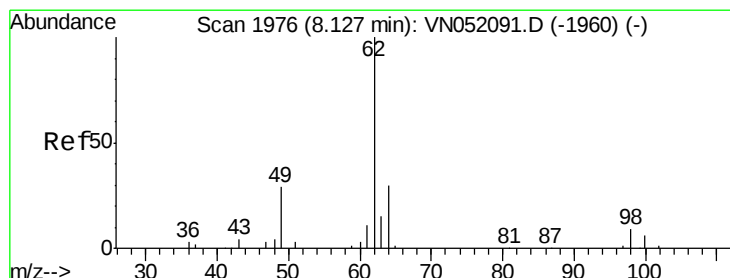
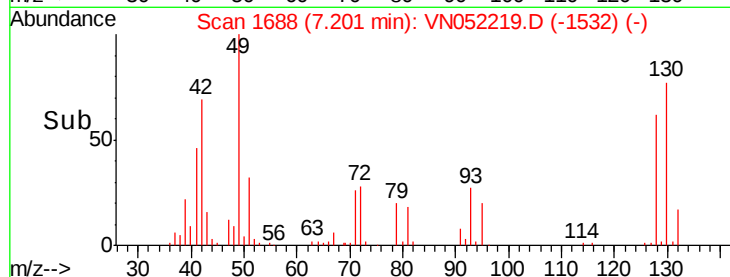
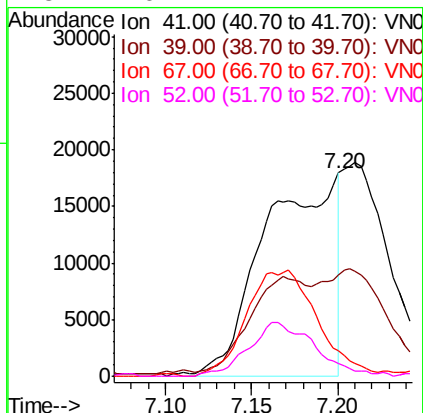
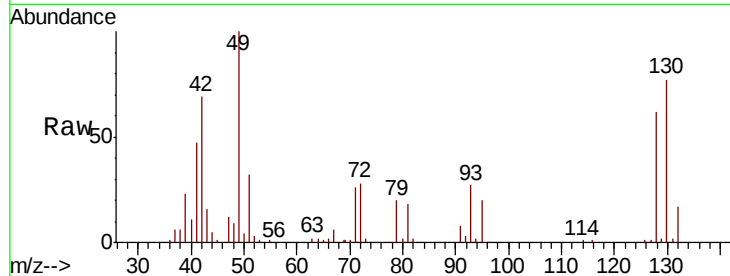
#35
Methacrylonitrile
Concen: 24.371 ug/l m
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	41	Resp	52675
Ion	Ratio	Lower	Upper
41	100		
39	49.6	26.1	78.3
67	12.4	11.0	33.0
52	6.4	4.7	14.1

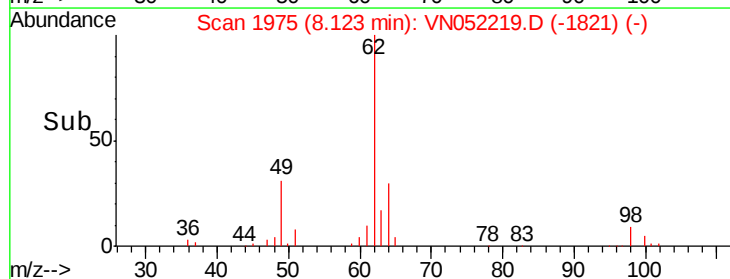
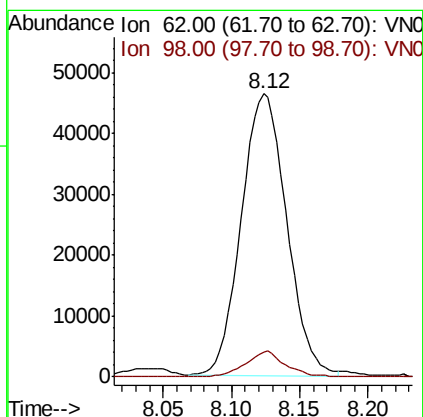
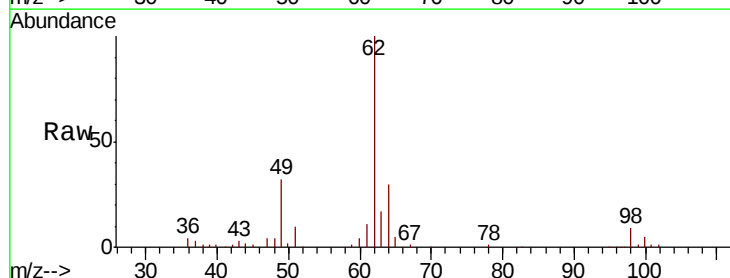
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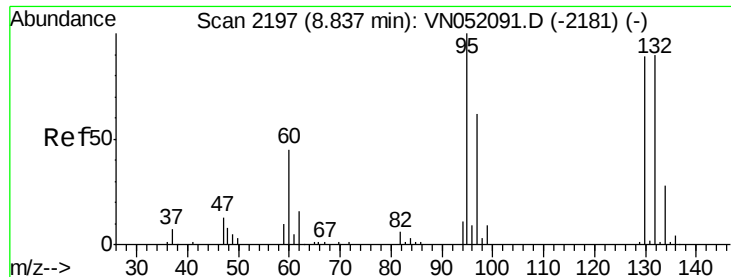
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#36
1,2-Dichloroethane
Concen: 18.486 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	62	Resp	107085
Ion	Ratio	Lower	Upper
62	100		
98	8.0	6.7	10.1





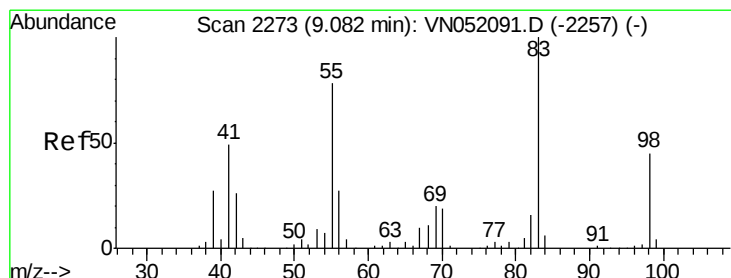
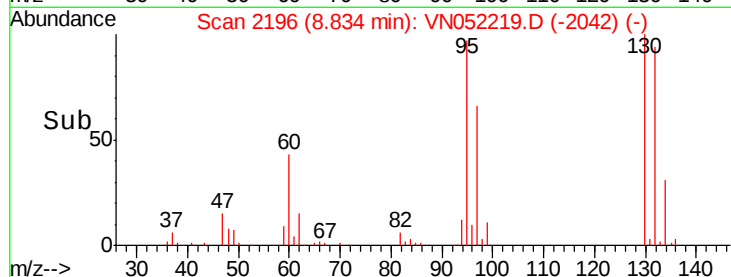
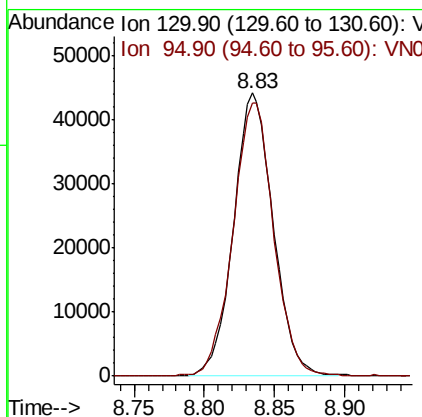
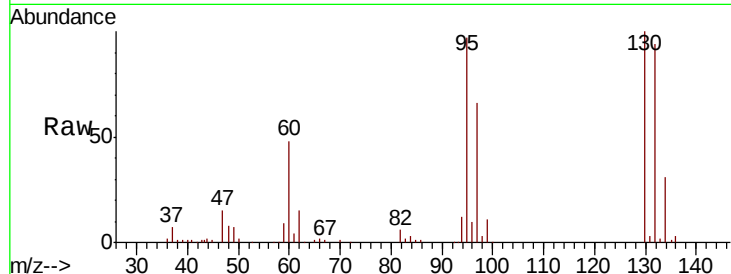
#37
 Trichloroethene
 Concen: 20.045 ug/l
 RT: 8.83 min Scan# 2196
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS02

Tot Ion:130 Resp: 86922
 Ion Ratio Lower Upper
 130 100
 95 96.2 89.9 134.9

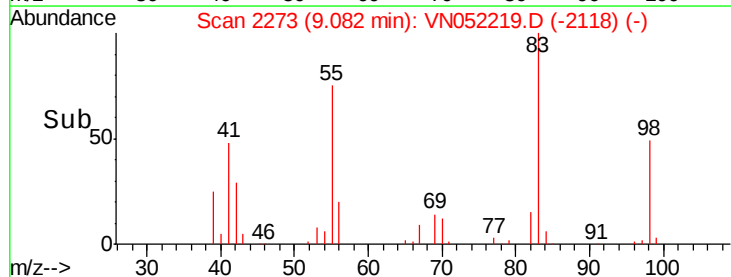
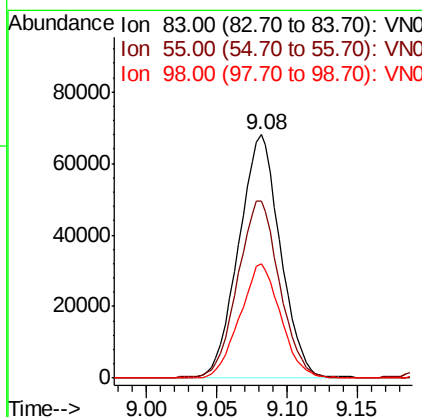
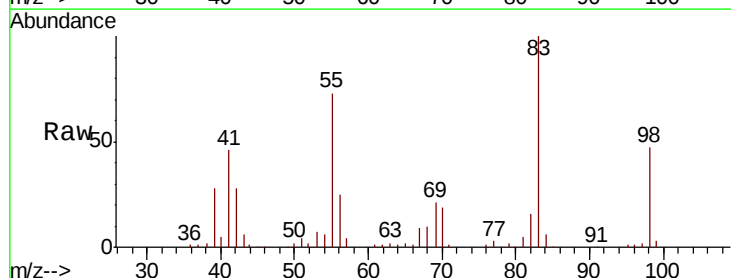
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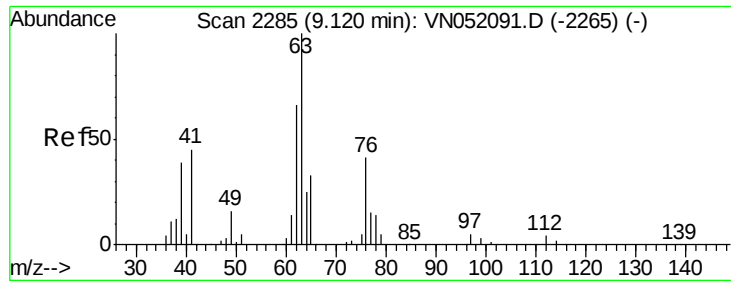
MMDadoda
 11/9/2018 11:49:17 AM



#38
 Methylcyclohexane
 Concen: 19.421 ug/l
 RT: 9.08 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Tgt Ion: 83 Resp: 140188
 Ion Ratio Lower Upper
 83 100
 55 73.5 38.5 115.3
 98 46.1 23.2 69.6





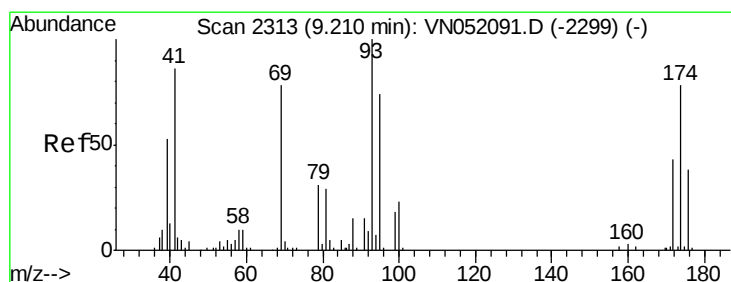
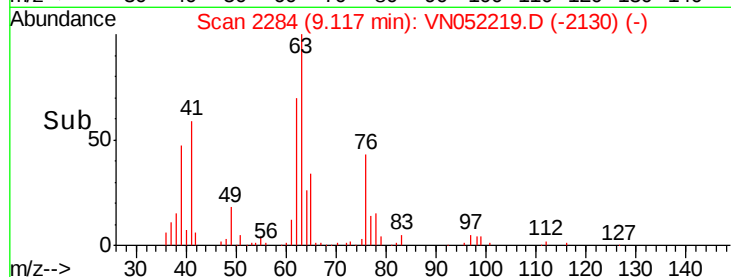
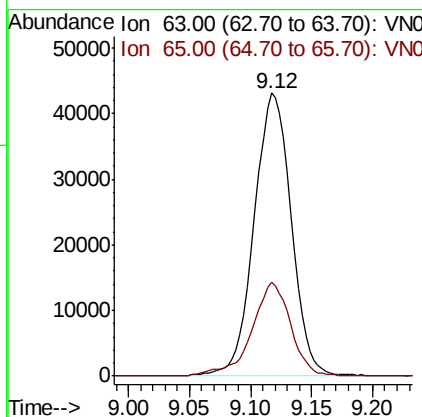
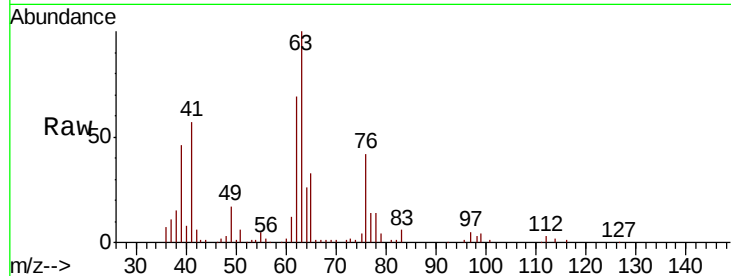
#39
 1,2-Dichloropropane
 Concen: 19.751 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS02

Tot Ion: 63 Resp: 91091
 Ion Ratio Lower Upper
 63 100
 65 33.2 27.3 40.9

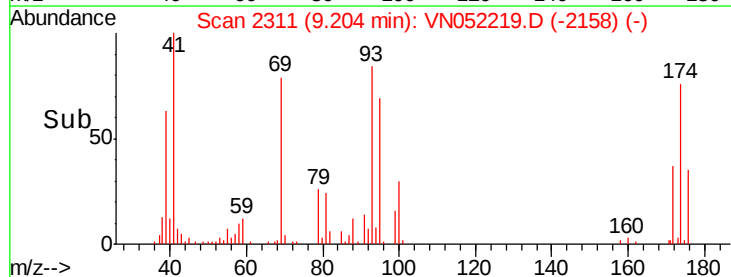
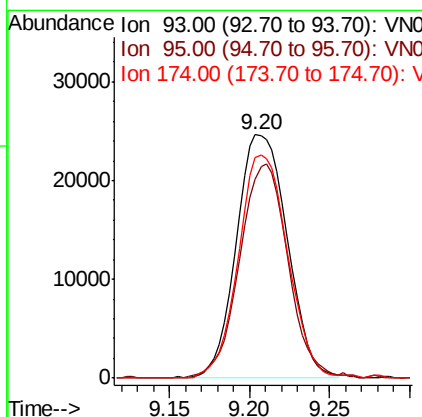
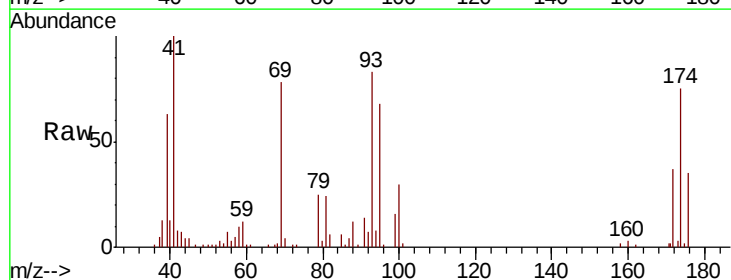
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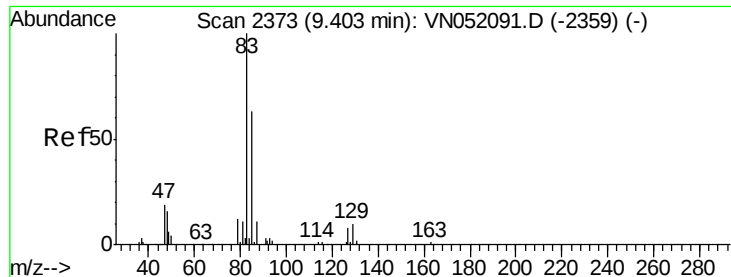
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#40
 Dibromomethane
 Concen: 18.860 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. -0.01 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Tgt Ion: 93 Resp: 53616
 Ion Ratio Lower Upper
 93 100
 95 83.6 0.0 161.2
 174 89.0 0.0 165.0





#41

Bromodichloromethane

Concen: 18.895 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

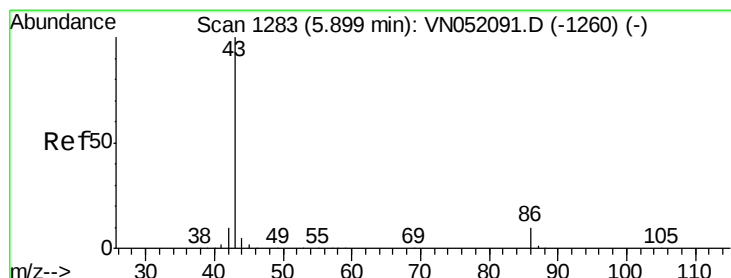
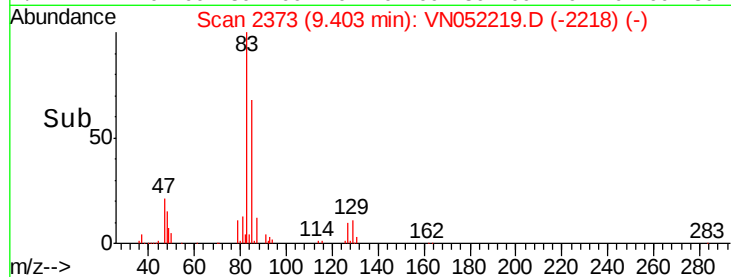
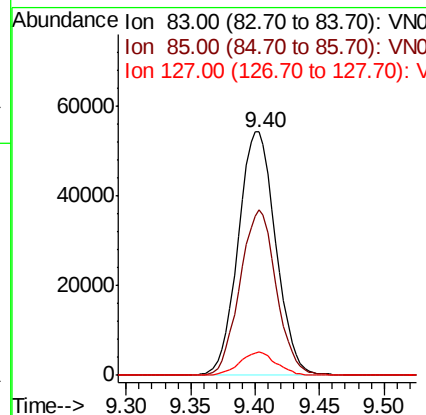
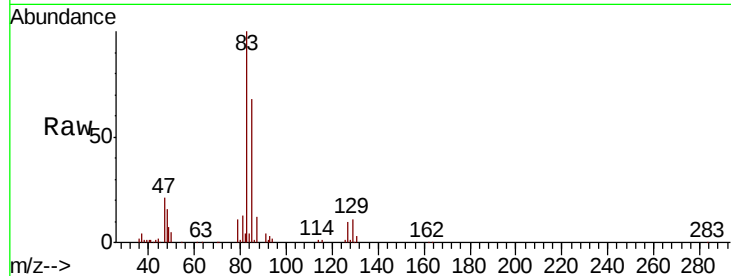
ClientSampleId :

VN1108WBS02

Tot Ion:	83	Resp:	109900
Ion Ratio	Lower	Upper	
83	100		
85	67.9	50.2	75.2
127	9.8	6.6	10.0

Manual Integrations
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11/9/2018 11:49:17 AM



#42

Vinyl Acetate

Concen: 93.845 ug/l

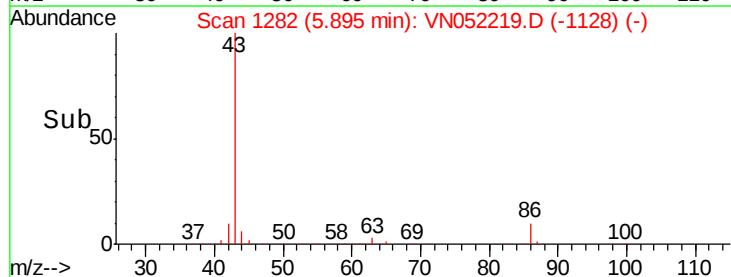
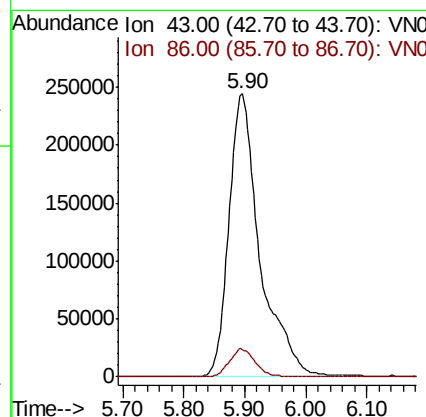
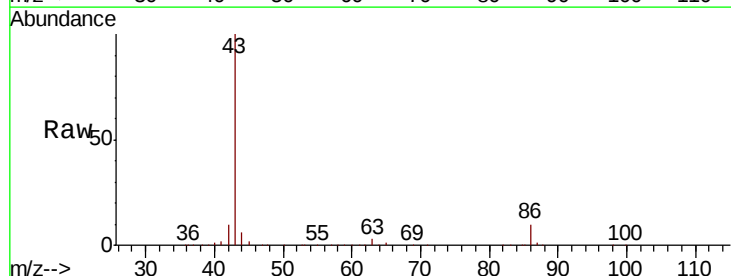
RT: 5.90 min Scan# 1282

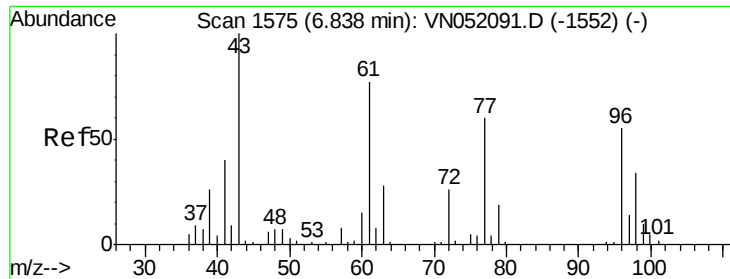
Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Tgt Ion:	43	Resp:	865722
Ion Ratio	Lower	Upper	
43	100		
86	8.3	6.6	10.0





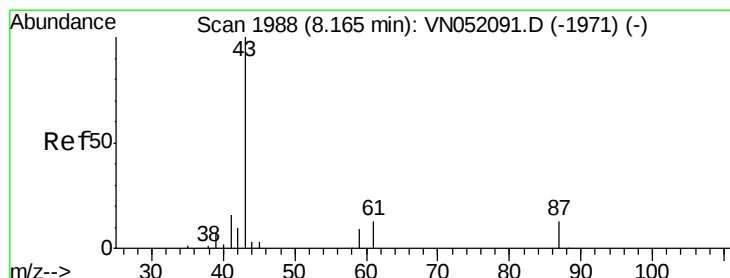
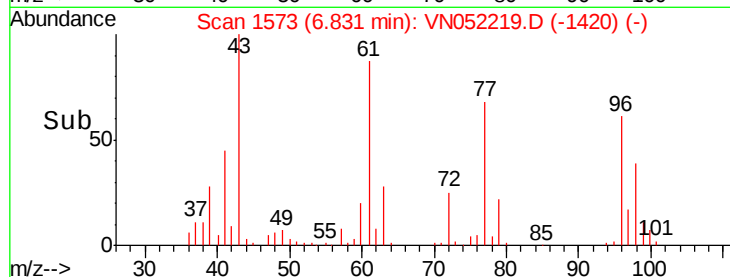
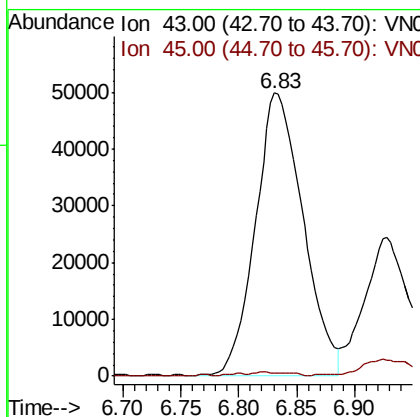
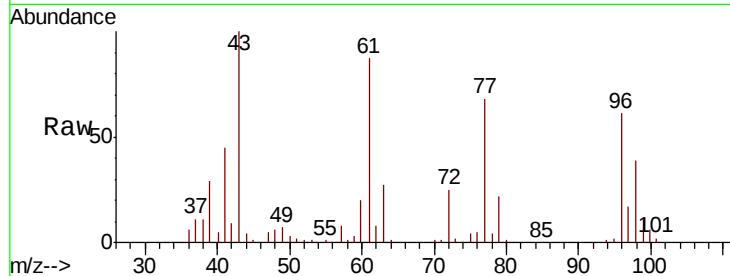
#43
Ethyl Acetate
Concen: 18.065 ug/l
RT: 6.83 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion: 43 Resp: 143060
Ion Ratio Lower Upper
43 100
45 0.3 3.8 5.8#

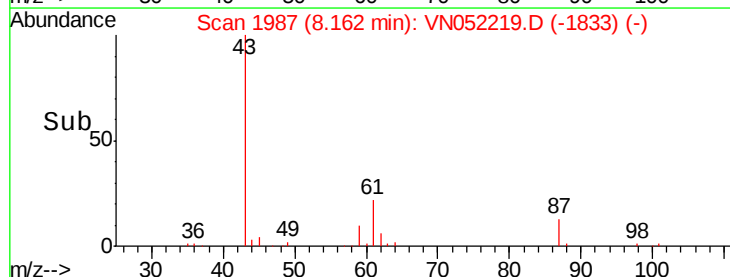
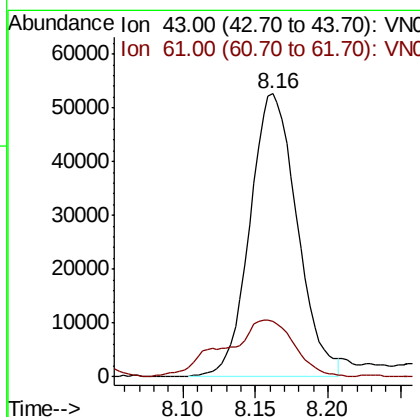
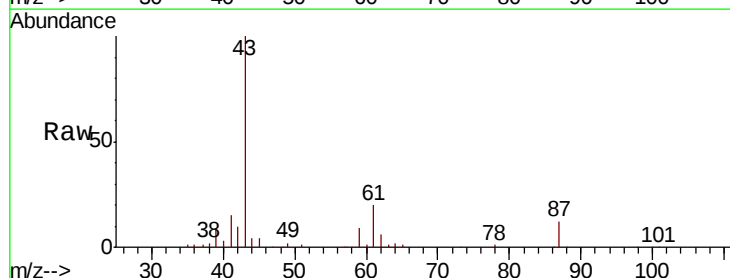
Manual Integrations
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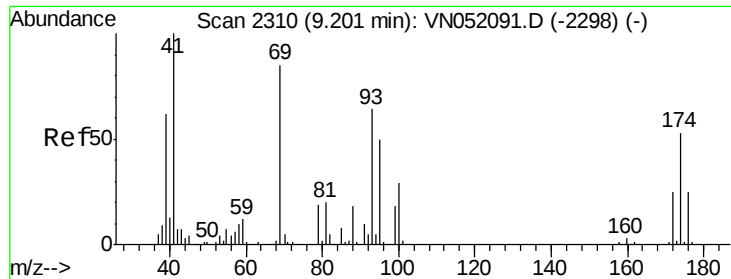
MMDadoda
11/9/2018 11:49:17 AM



#44
Isopropyl Acetate
Concen: 18.032 ug/l
RT: 8.16 min Scan# 1987
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion: 43 Resp: 118230
Ion Ratio Lower Upper
43 100
61 20.0 16.2 24.2





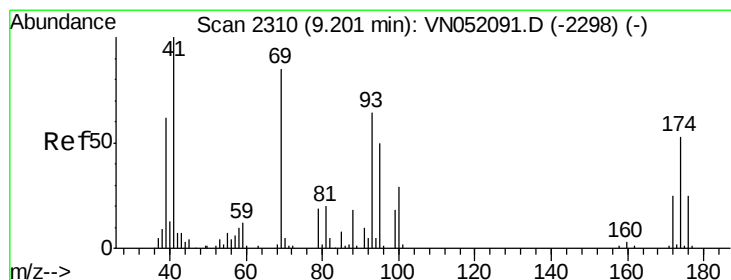
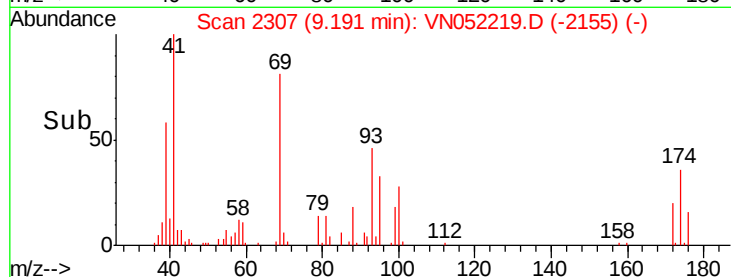
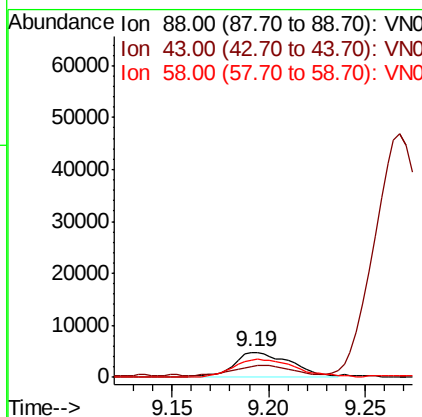
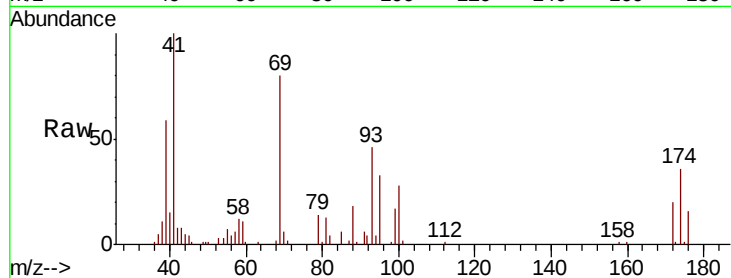
#45
1,4-Dioxane
Concen: 334.094 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.01 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.8	28.6	43.0
58	78.8	37.8	56.8#

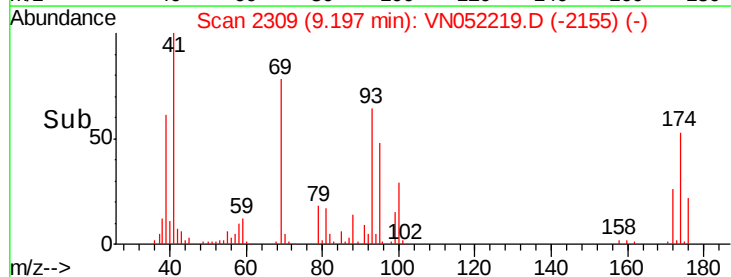
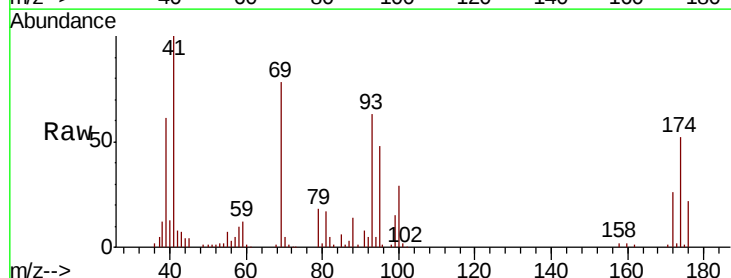
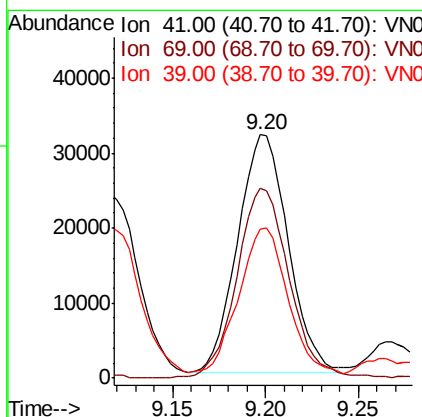
Manual Integrations
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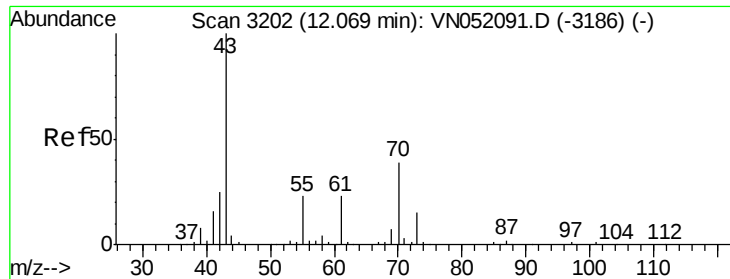
MMDadoda
11/9/2018 11:49:17 AM



#46
Methyl methacrylate
Concen: 18.454 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
41	100		
69	79.1	42.5	127.6
39	60.4	31.1	93.3





#47

n-amvl Acetate

Concen: 17.383 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 43 Resp: 103310

Ion Ratio Lower Upper

43 100

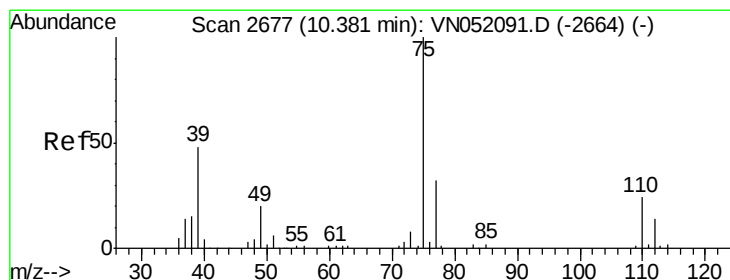
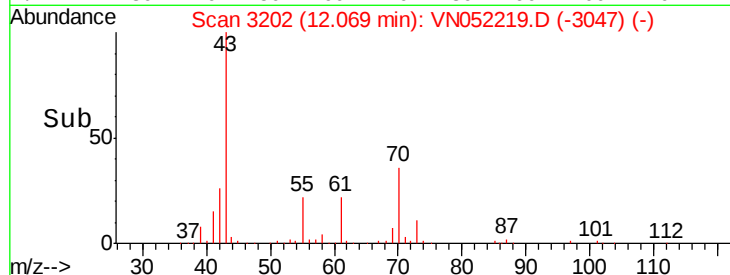
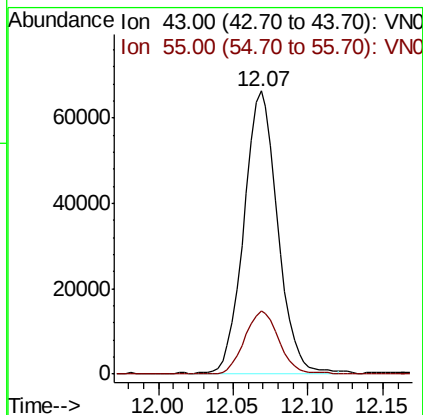
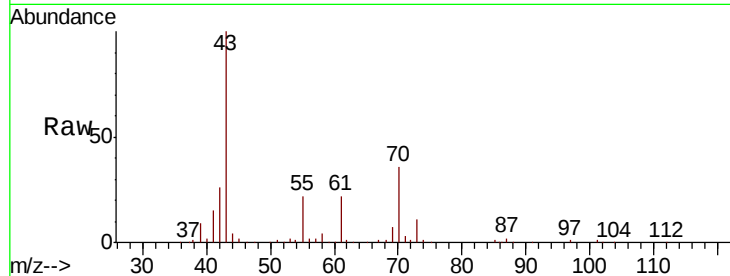
55 22.7 0.0 0.0#

Manual Integrations

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#48

t-1,3-Dichloropropene

Concen: 18.664 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052219.D

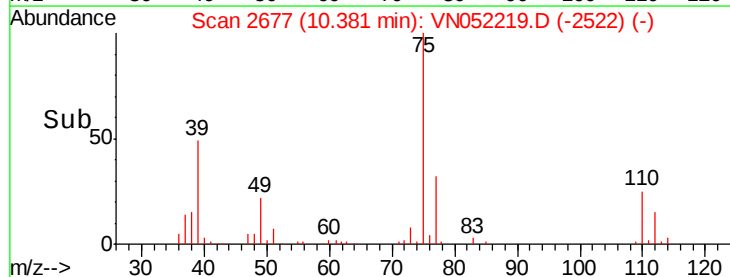
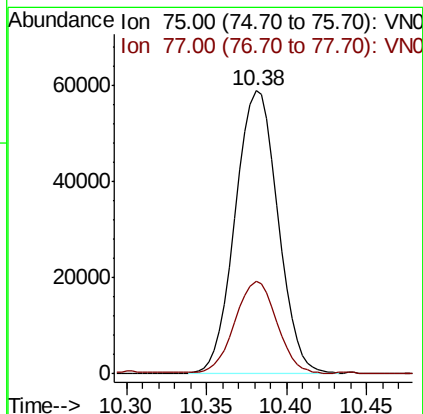
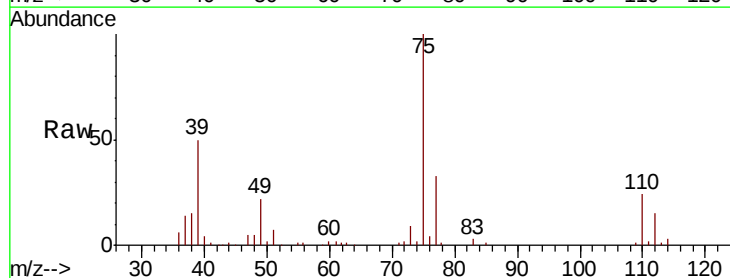
Acq: 8 Nov 2018 13:18

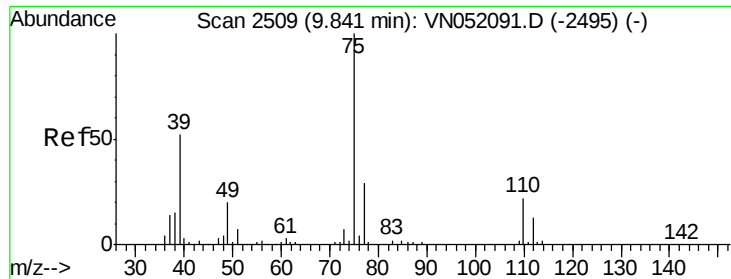
Tgt Ion: 75 Resp: 107799

Ion Ratio Lower Upper

75 100

77 32.2 26.3 39.5





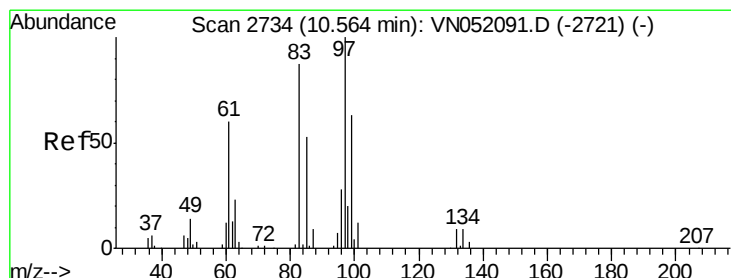
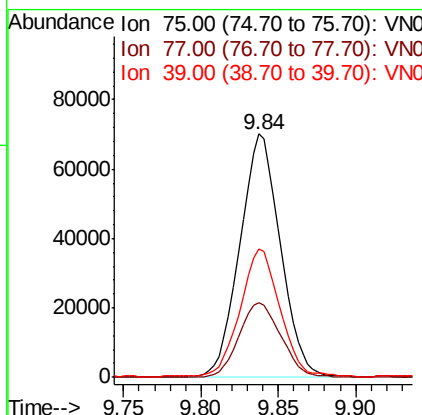
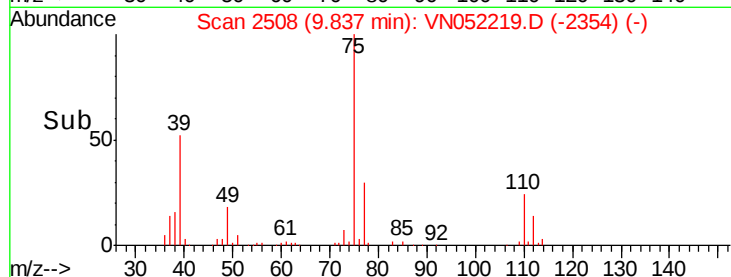
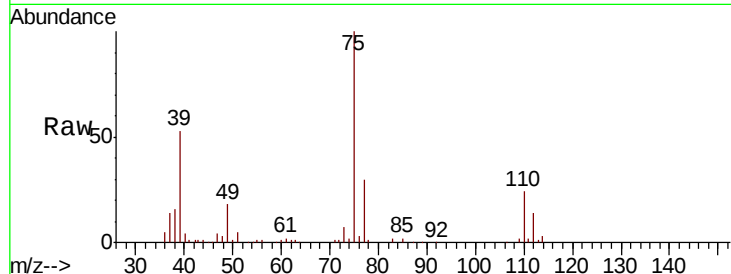
#49
 cis-1,3-Dichloropropene
 Concen: 19.156 ug/l
 RT: 9.84 min Scan# 2508
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS02

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.4	23.3	34.9
39	52.2	41.6	62.4

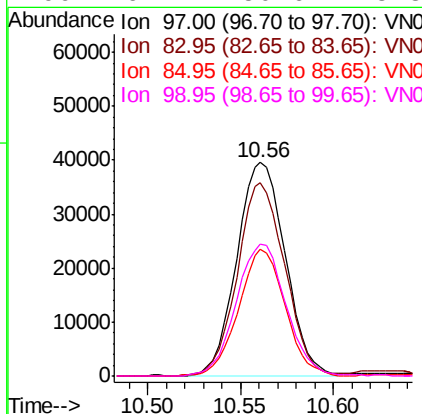
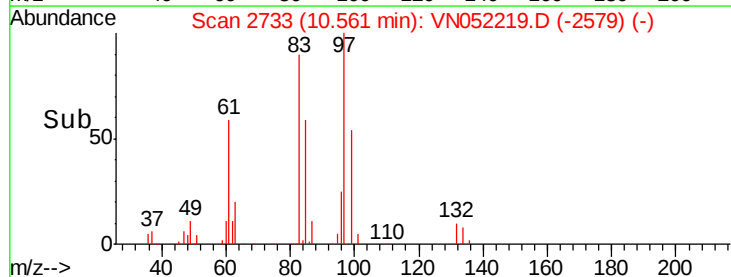
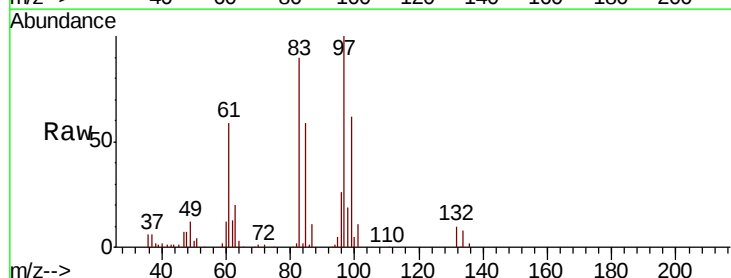
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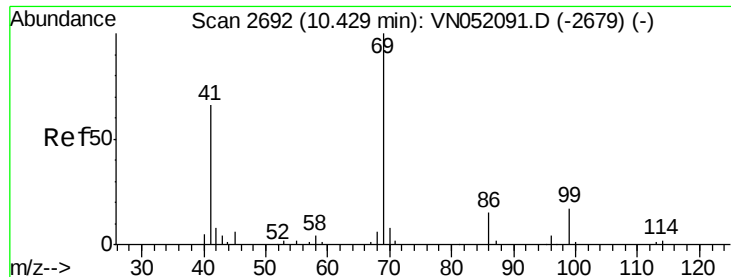
MMDadoda
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#50
 1,1,2-Trichloroethane
 Concen: 19.187 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
97	100		
83	89.7	69.4	104.0
85	59.5	42.7	64.1
99	61.4	50.6	75.8





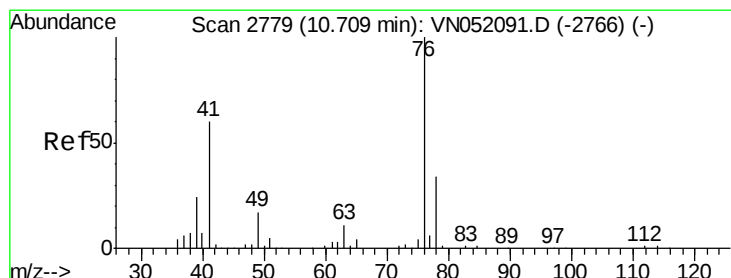
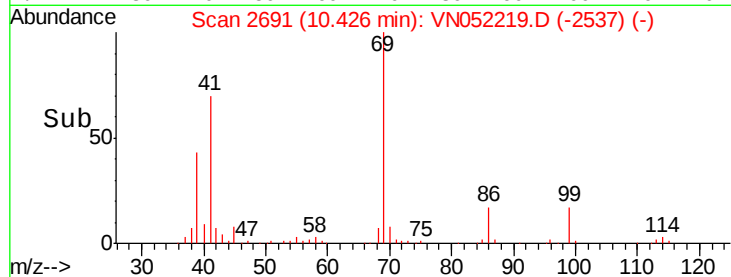
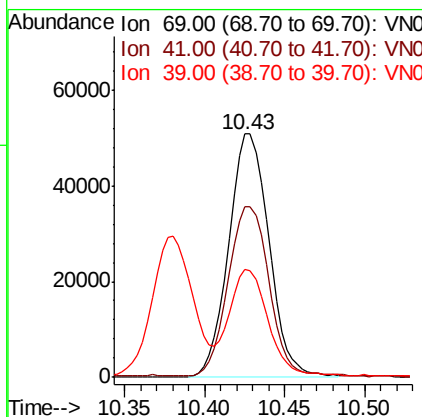
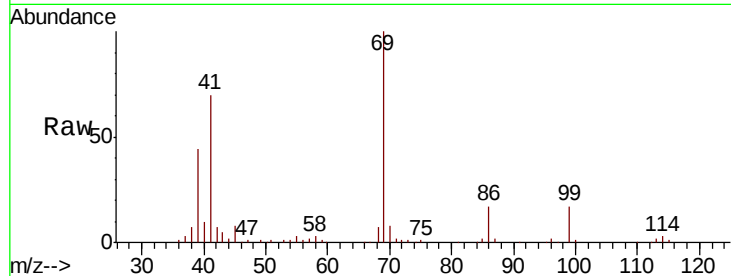
#51
Ethyl methacrylate
Concen: 18.055 ug/l
RT: 10.43 min Scan# 2691
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
69	100		
41	69.2	33.0	99.0
39	43.2	20.7	62.1

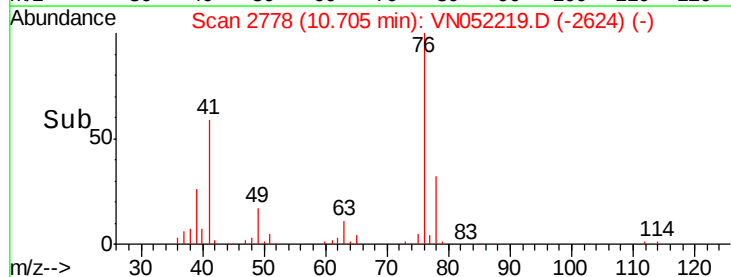
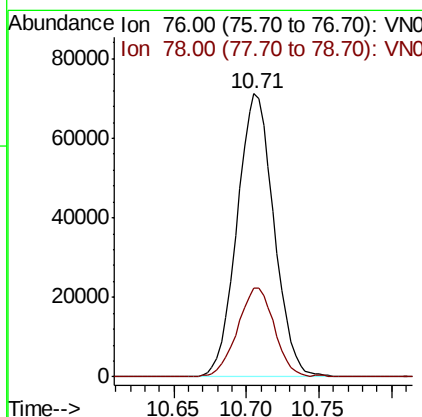
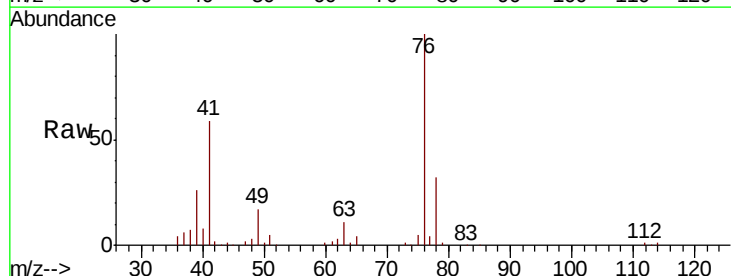
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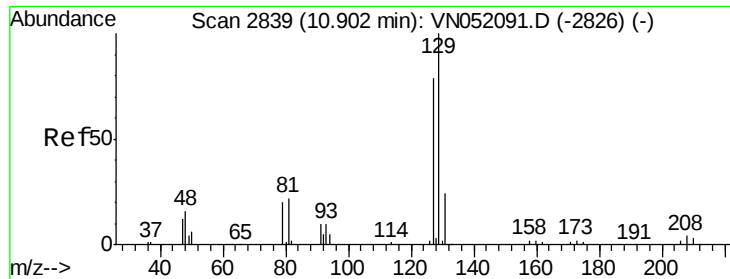
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#52
1,3-Dichloropropane
Concen: 19.190 ug/l
RT: 10.71 min Scan# 2778
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
76	100		
78	31.5	0.0	65.0





#53

Dibromochloromethane

Concen: 19.503 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion:129 Resp: 79149

Ion Ratio Lower Upper

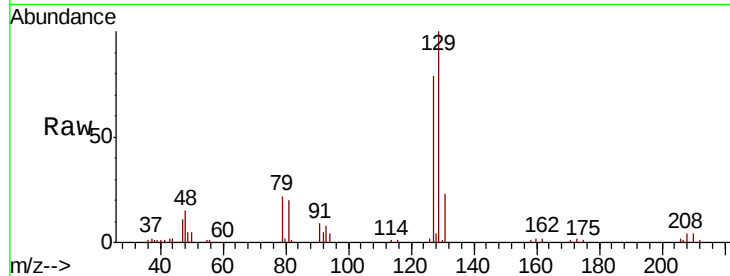
129 100

127 76.4 39.2 117.6

Manual Integrations
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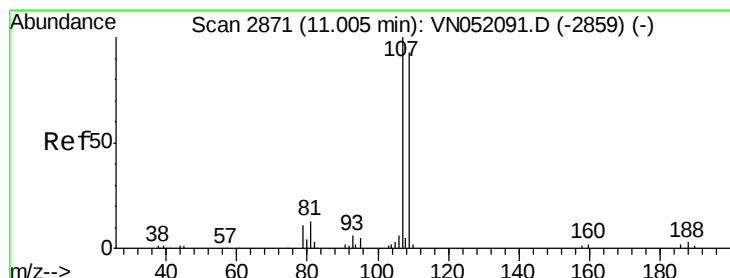
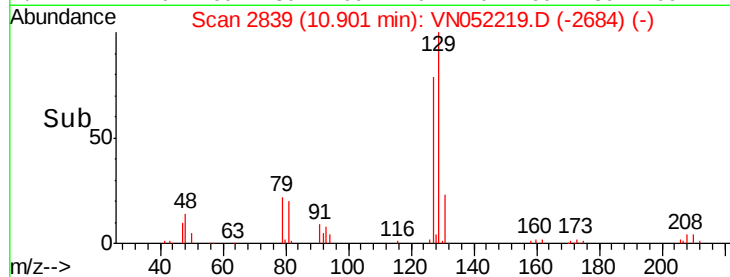
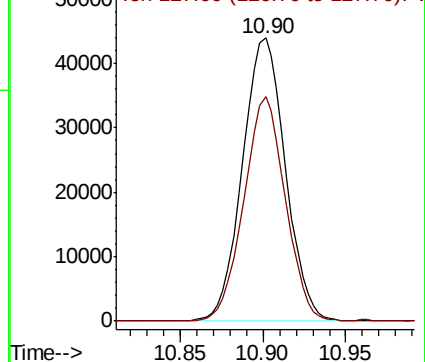
MMDadoda

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.648 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VN052219.D

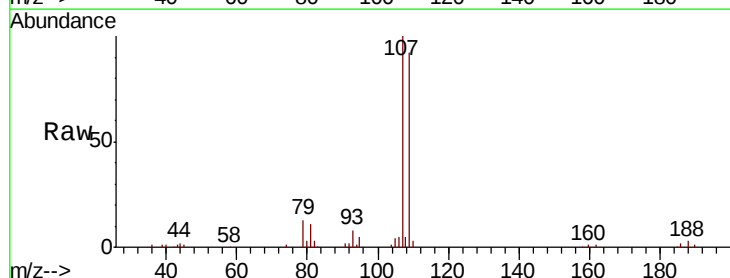
Acq: 8 Nov 2018 13:18

Tgt Ion:107 Resp: 71084

Ion Ratio Lower Upper

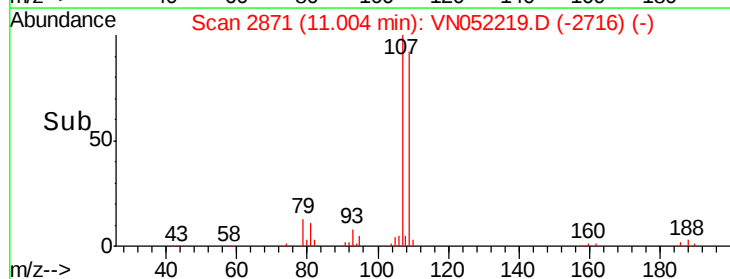
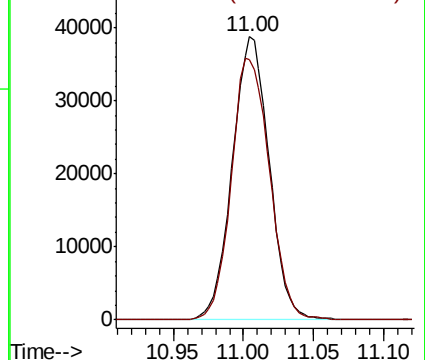
107 100

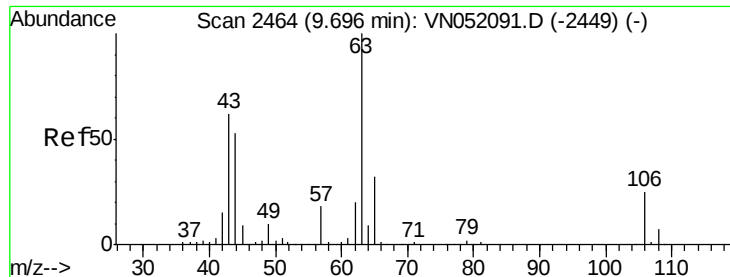
109 95.2 77.0 115.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





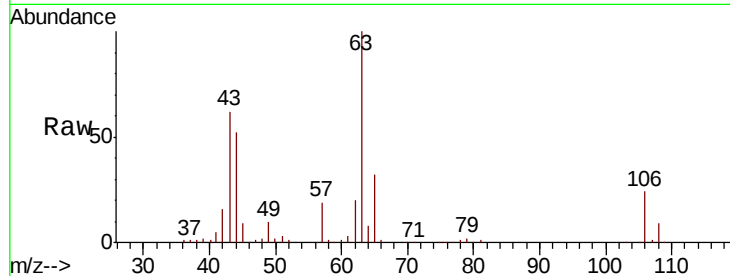
#55
2-Chloroethyl vinyl ether
Concen: 93.478 ug/l
RT: 9.69 min Scan# 2463
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.0	25.5	38.3
106	25.5	20.4	30.6

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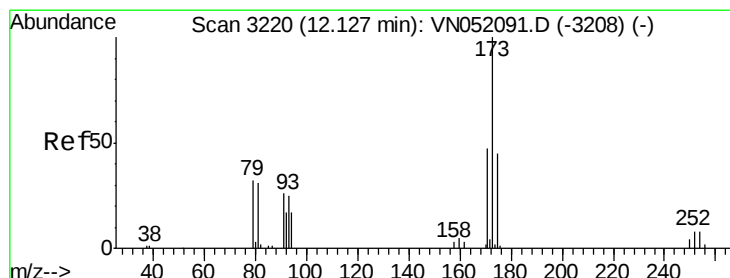
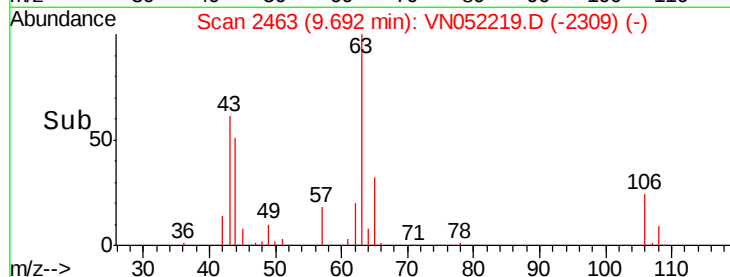
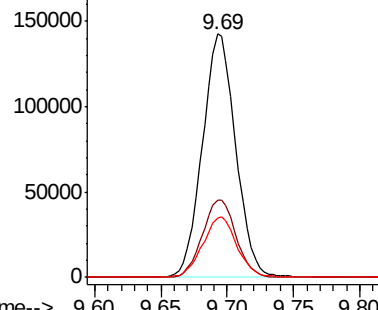


Abundance

Ion 63.00 (62.70 to 63.70): VN052091.D (-2449) (-)

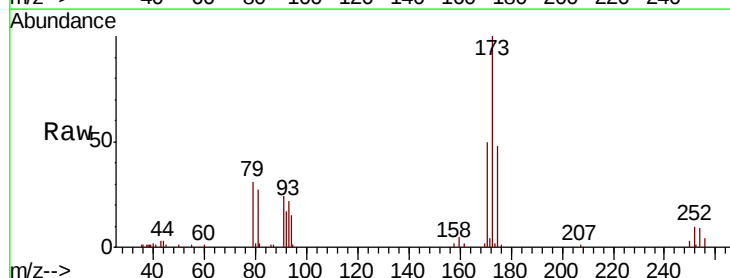
Ion 65.00 (64.70 to 65.70): VN052091.D (-2449) (-)

Ion 106.00 (105.70 to 106.70): VN052091.D (-2449) (-)



#56
Bromoform
Concen: 18.585 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.0	37.3	55.9
254	9.5	7.0	10.6

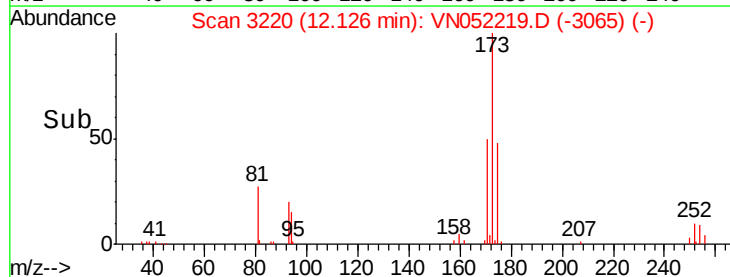
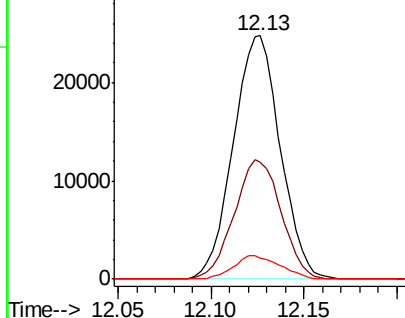


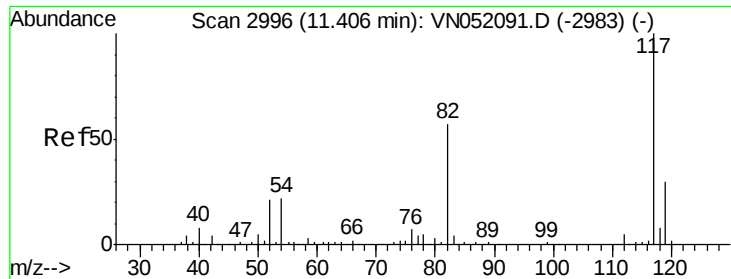
Abundance

Ion 173.00 (172.70 to 173.70): VN052091.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN052091.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN052091.D (-3208) (-)





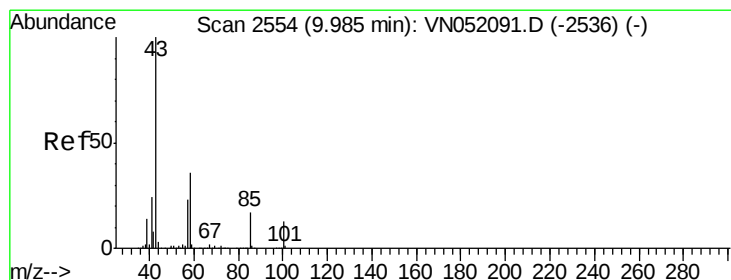
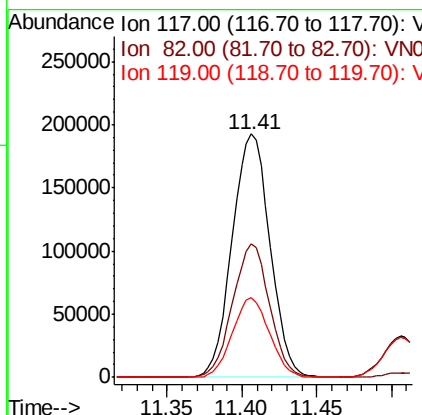
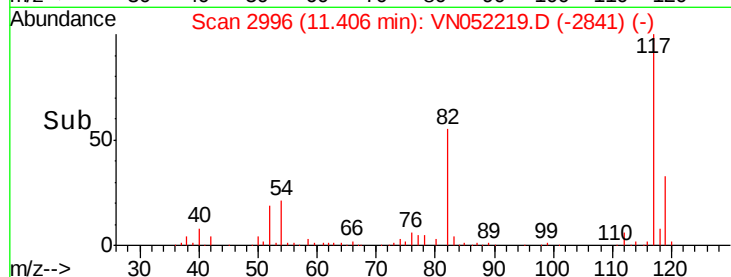
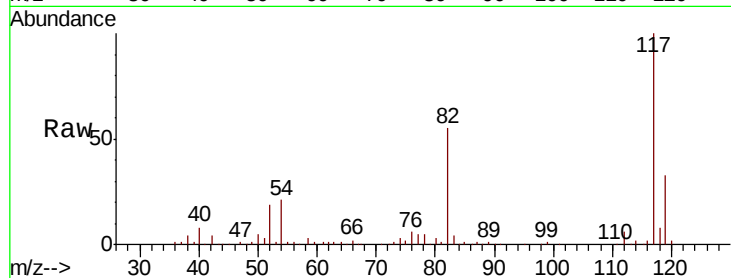
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	45.0	67.6
119	31.9	24.2	36.4

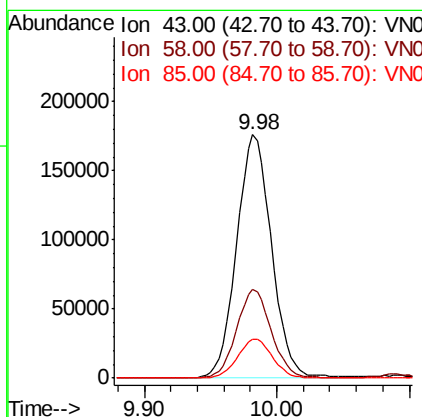
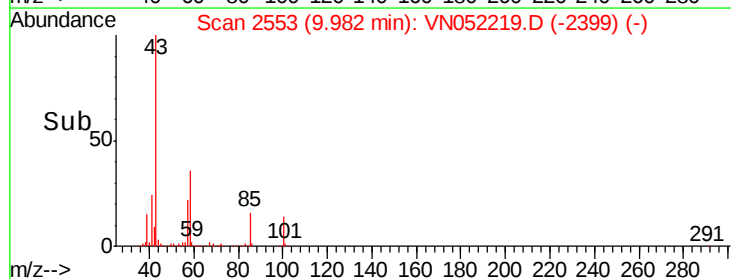
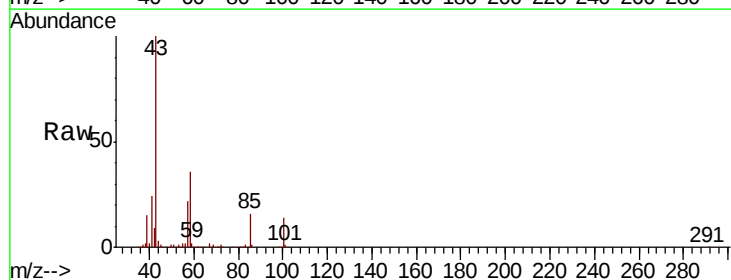
Manual Integrations
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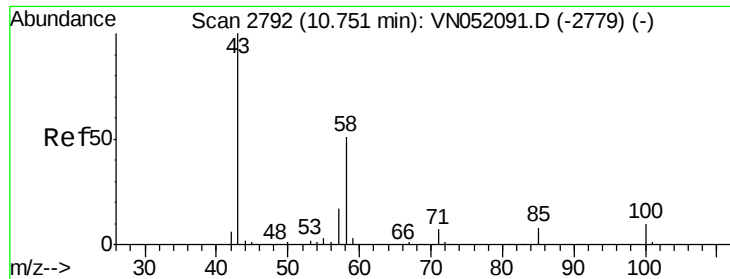
MMDadoda
11/9/2018 11:49:17 AM



#58
4-Methyl-2-Pentanone
Concen: 87.914 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.6	29.0	43.6
85	16.2	13.4	20.2





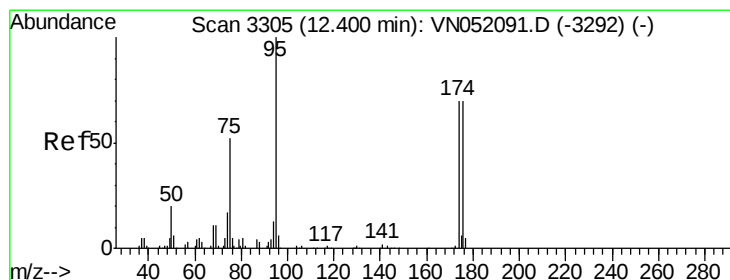
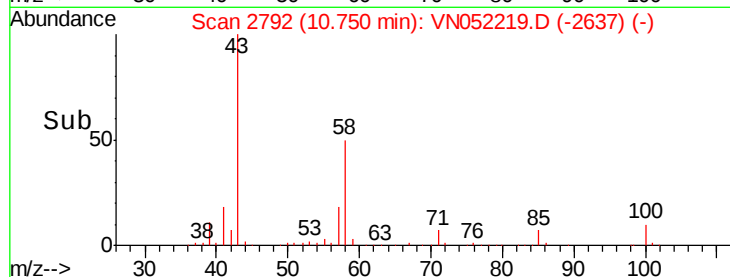
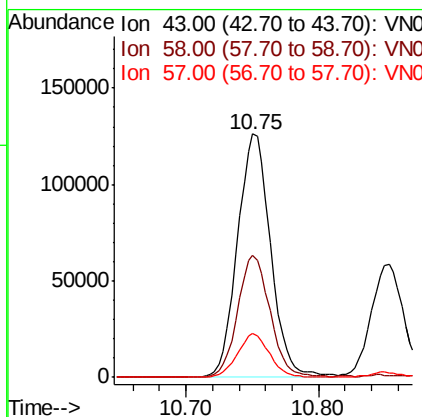
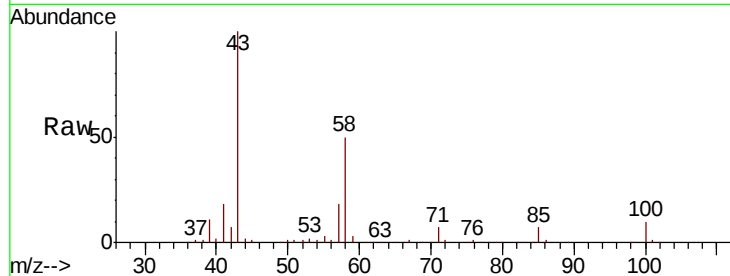
#59
2-Hexanone
Concen: 87.261 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampled :
VN1108WBS02

Tot Ion	Ratio	Resp	Lower	Upper
43	100	218280		
58	49.3		40.8	61.2
57	17.5		13.8	20.8

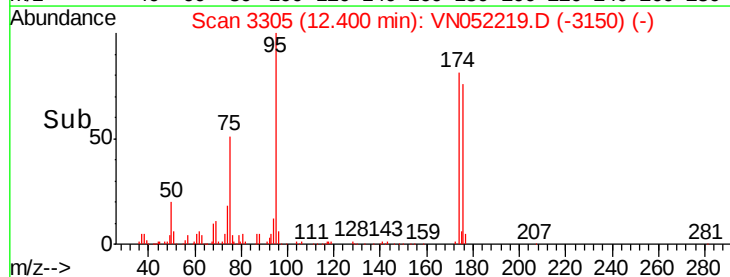
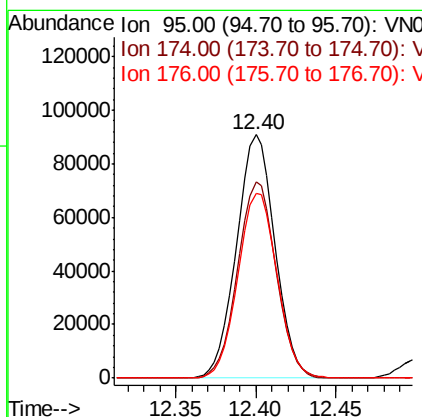
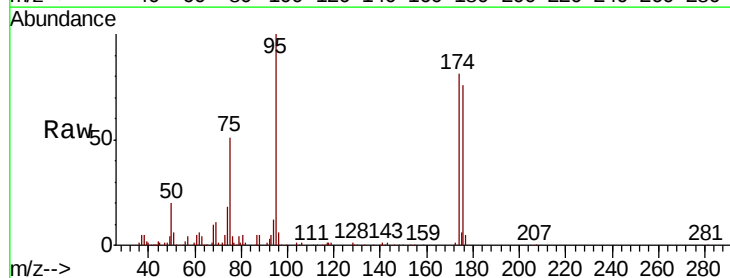
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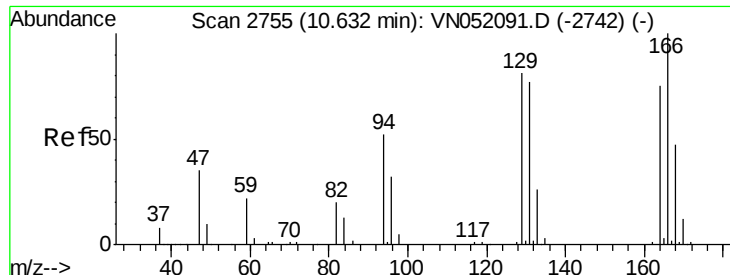
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 87.261 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	148837		
174	80.4		55.0	82.6
176	77.3		54.2	81.4





#61

Tetrachloroethene

Concen: 21.361 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion:164 Resp: 78765

Ion Ratio Lower Upper

164 100

166 127.9 106.4 159.6

129 99.8 87.0 130.4

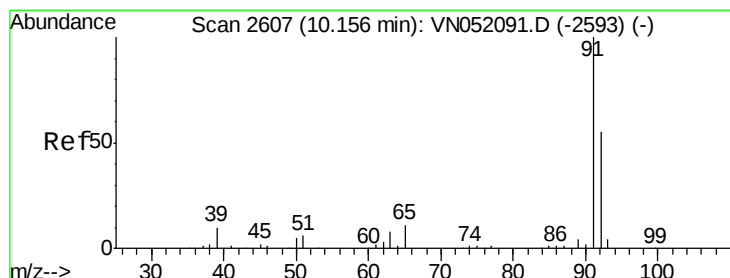
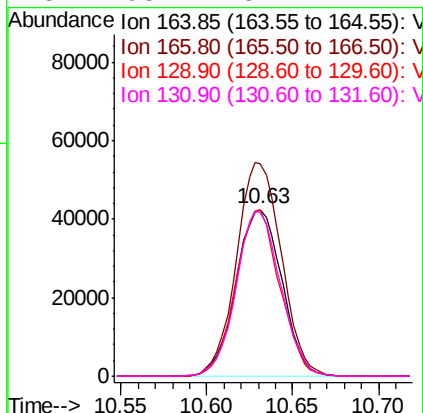
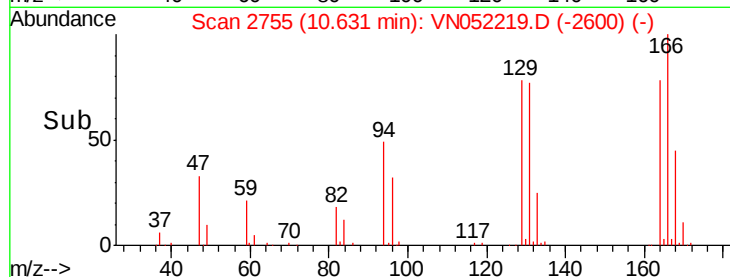
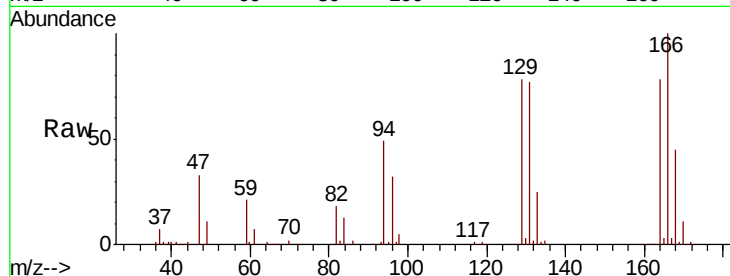
131 98.7 81.4 122.2

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#62

Toluene

Concen: 19.542 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052219.D

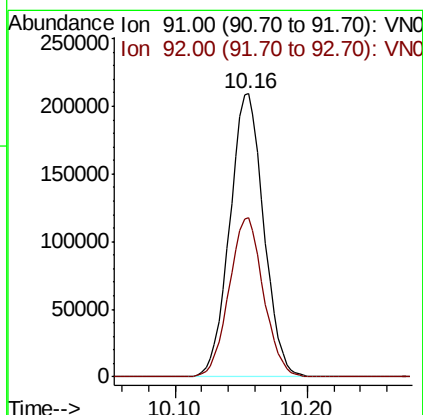
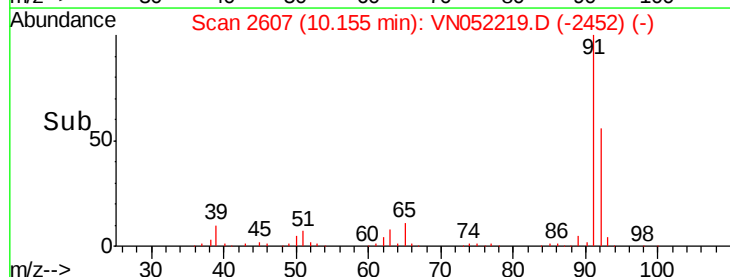
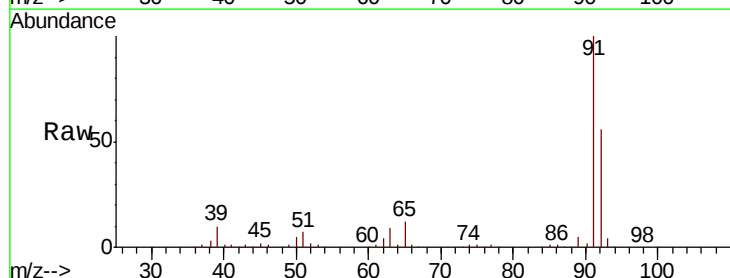
Acq: 8 Nov 2018 13:18

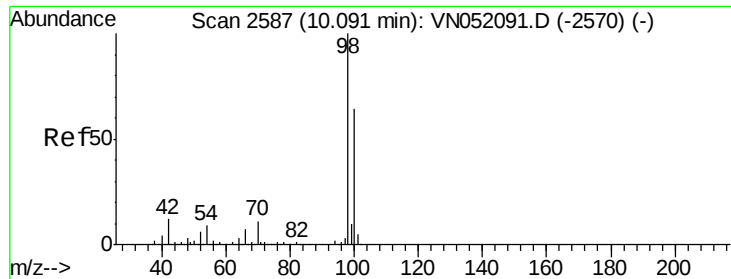
Tgt Ion: 91 Resp: 371937

Ion Ratio Lower Upper

91 100

92 56.9 44.6 67.0





#63

Toluene-d8

Concen: 19.542 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 98 Resp: 468601

Ion Ratio Lower Upper

98 100

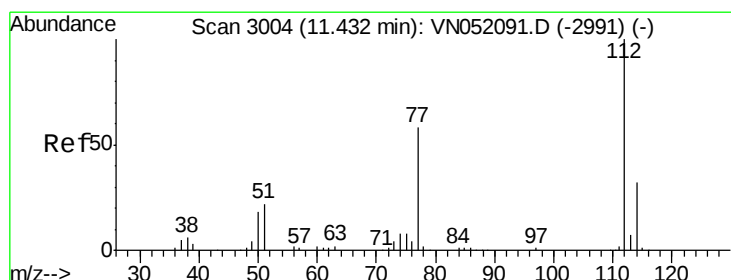
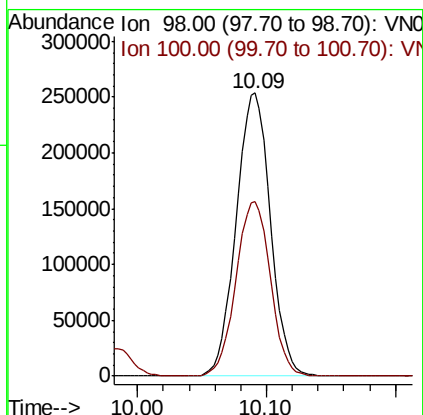
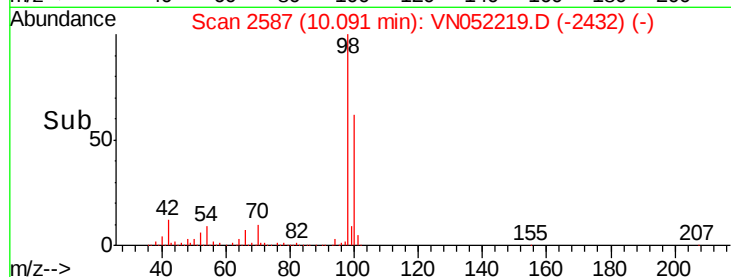
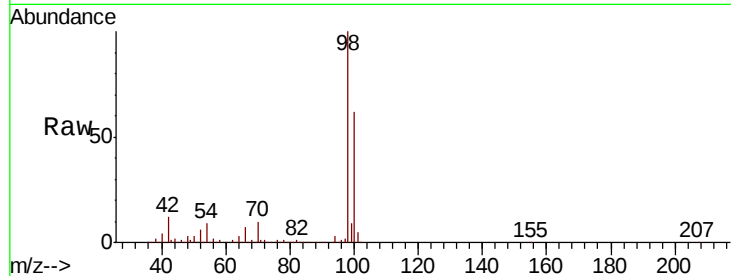
100 61.8 50.7 76.1

Manual Integrations

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#64

Chlorobenzene

Concen: 19.041 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052219.D

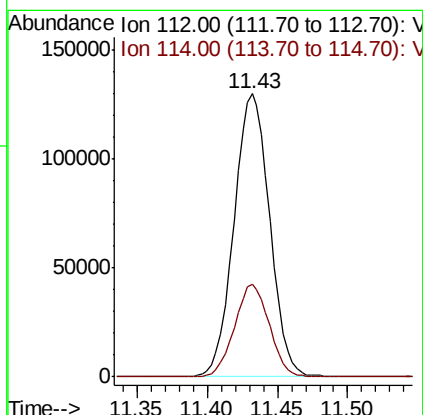
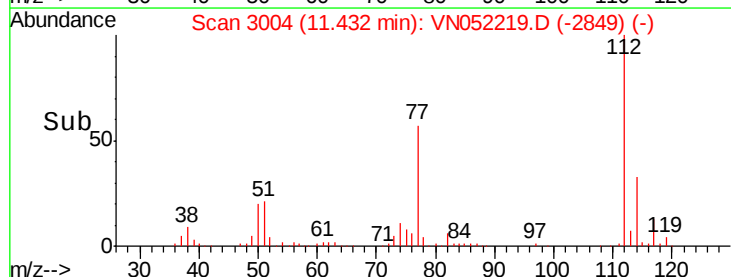
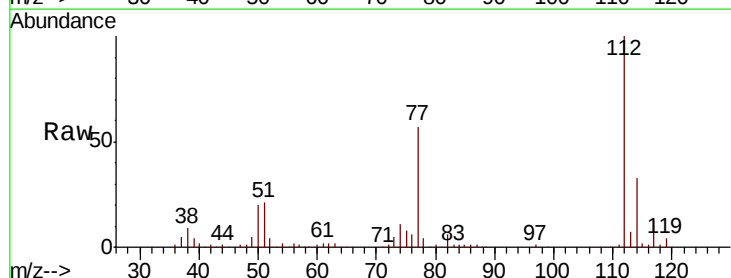
Acq: 8 Nov 2018 13:18

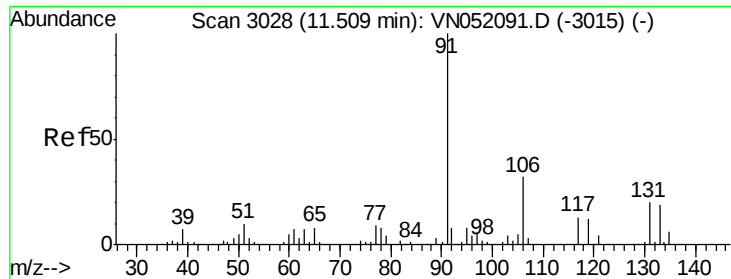
Tgt Ion: 112 Resp: 229680

Ion Ratio Lower Upper

112 100

114 33.0 25.5 38.3





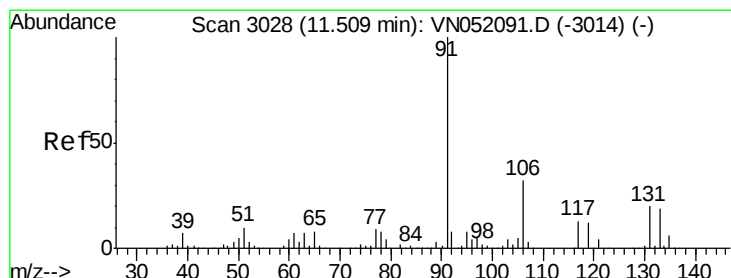
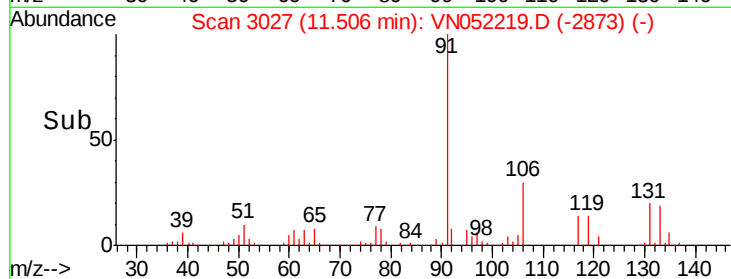
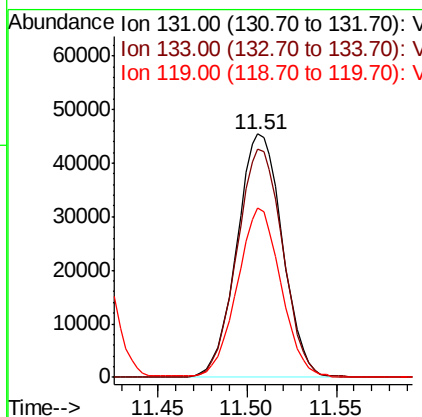
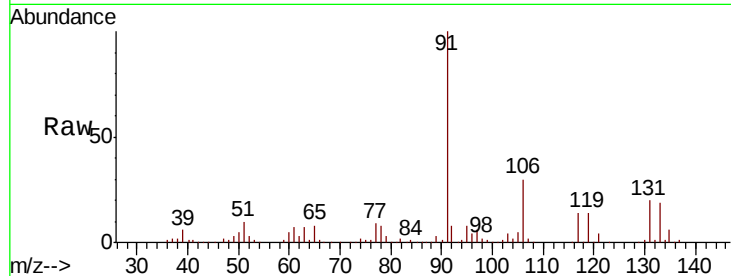
#65
 1,1,1,2-Tetrachloroethane
 Concen: 19.665 ug/l
 RT: 11.51 min Scan# 3027
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Instrument :
 MSVOA_N
 ClientSampled :
 VN1108WBS02

Tot Ion	Ratio	Lower	Upper
131	100		
133	94.6	0.0	188.8
119	67.4	0.0	131.4

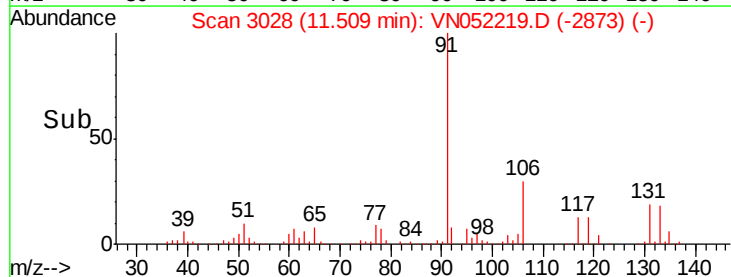
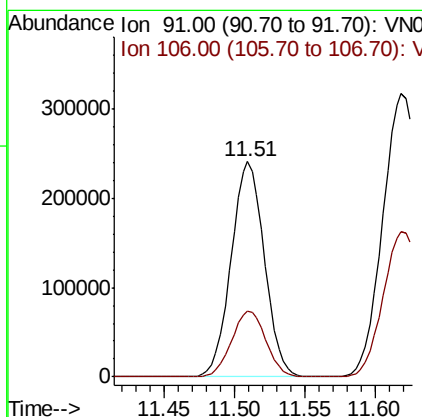
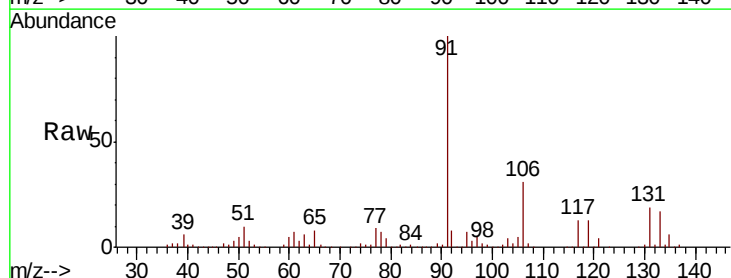
Manual Integrations
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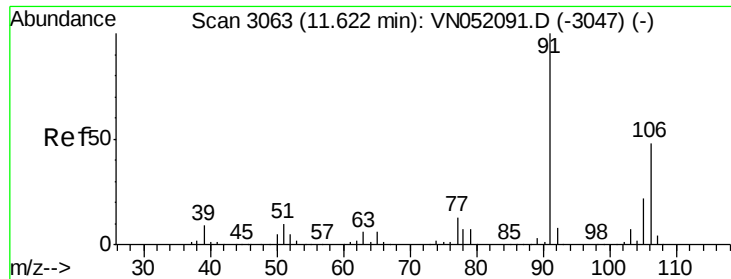
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#66
 Ethyl Benzene
 Concen: 19.347 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.7	25.7	38.5





#67

m/p-Xvlenes

Concen: 39.472 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion:106 Resp: 312417

Ion Ratio Lower Upper

106 100

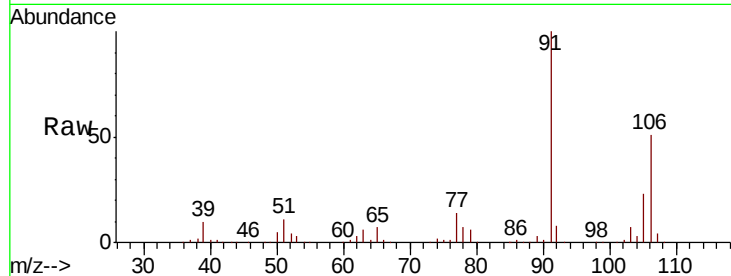
91 194.8 163.6 245.4

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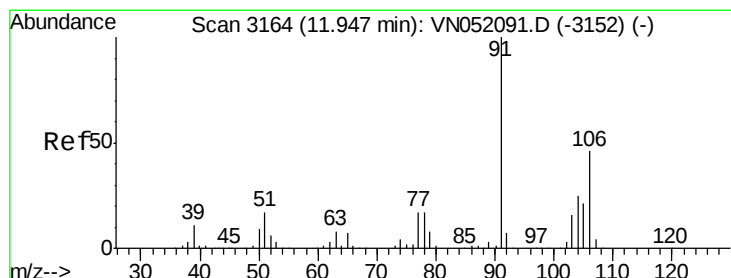
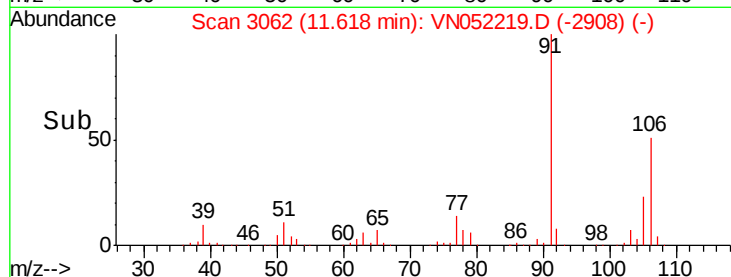
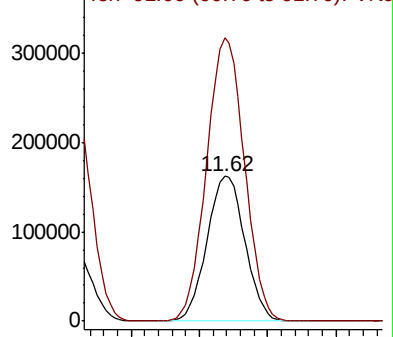
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.690 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052219.D

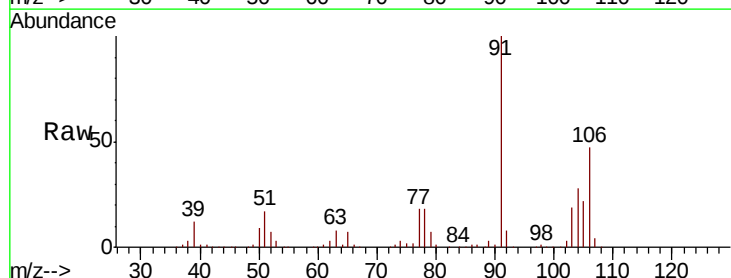
Acq: 8 Nov 2018 13:18

Tgt Ion:106 Resp: 148581

Ion Ratio Lower Upper

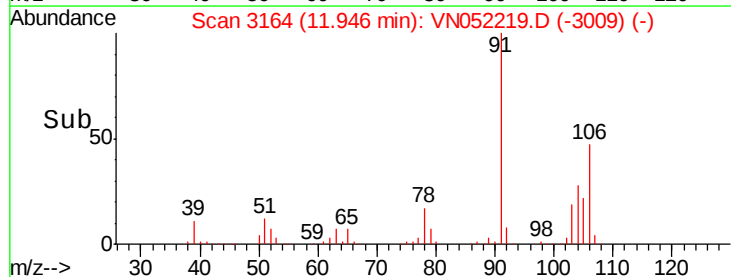
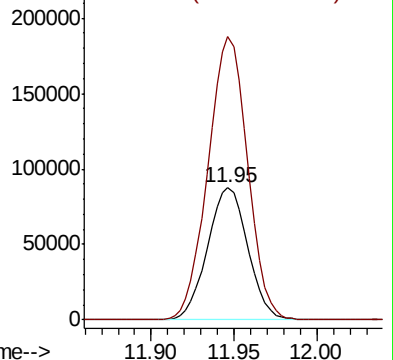
106 100

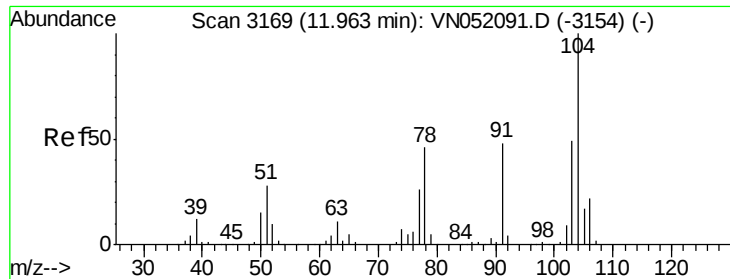
91 209.9 110.0 330.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





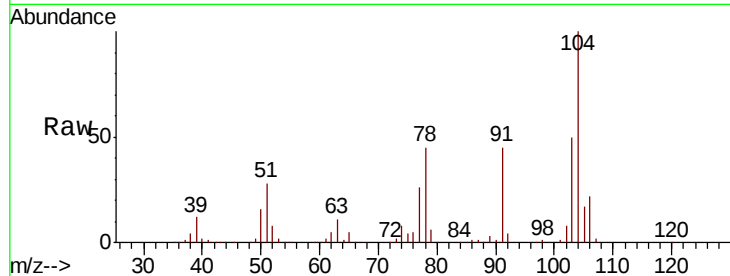
#69
Stvrene
Concen: 19.454 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.8	41.3	61.9
103	56.1	43.3	64.9

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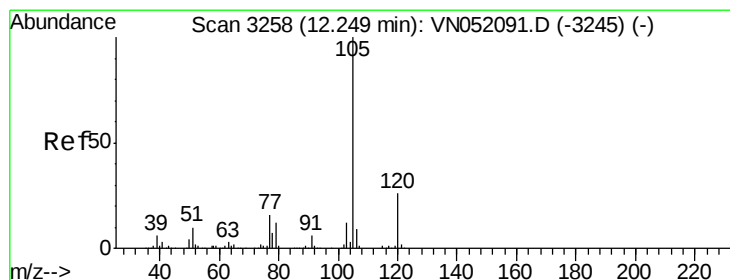
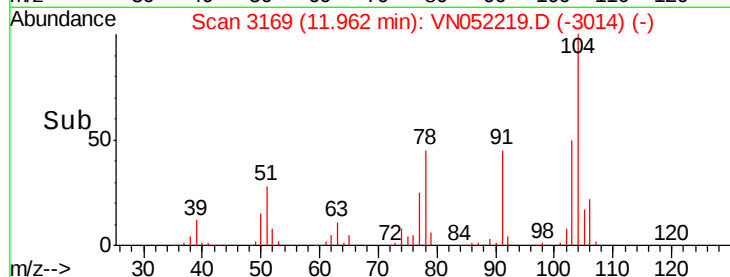
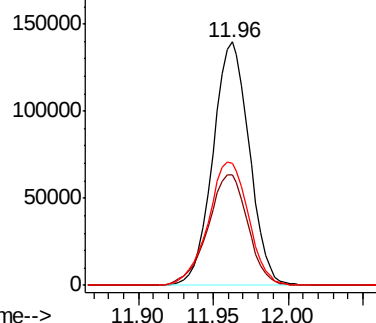


Abundance

Ion 104.00 (103.70 to 104.70): V

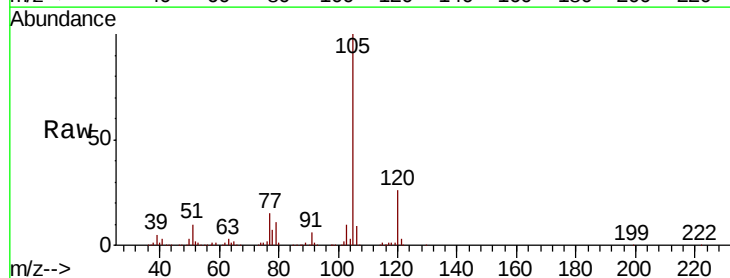
Ion 78.00 (77.70 to 78.70): V

Ion 103.00 (102.70 to 103.70): V



#70
Isopropylbenzene
Concen: 19.860 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

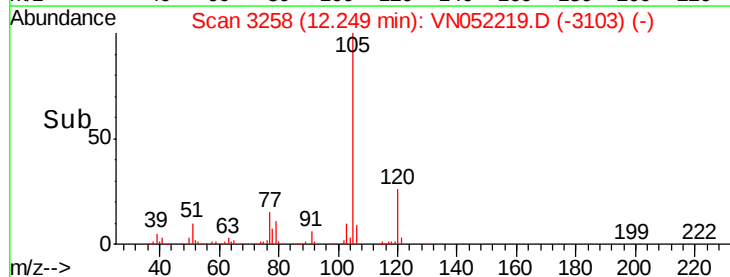
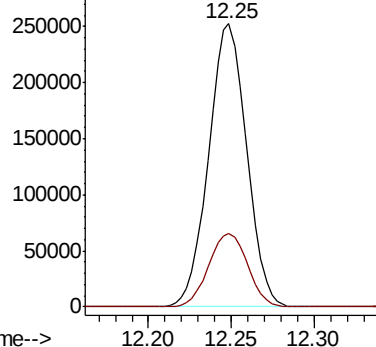
Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	18.4	34.2

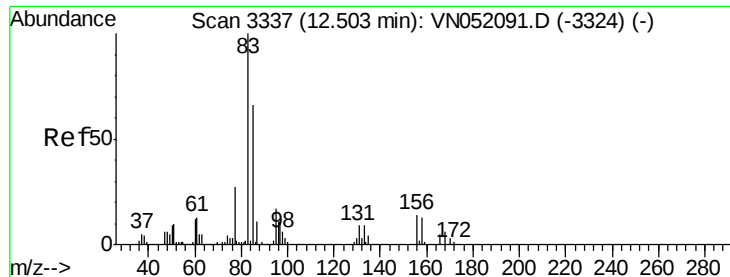


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#71

1,1,2,2-Tetrachloroethane

Concen: 17.906 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

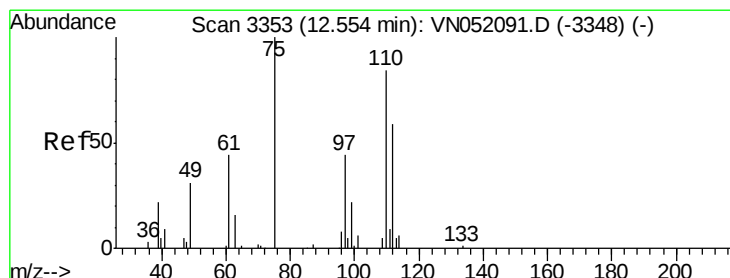
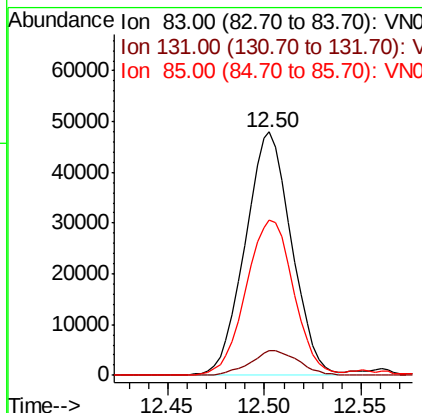
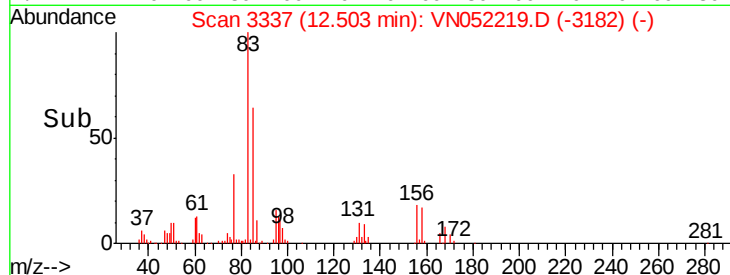
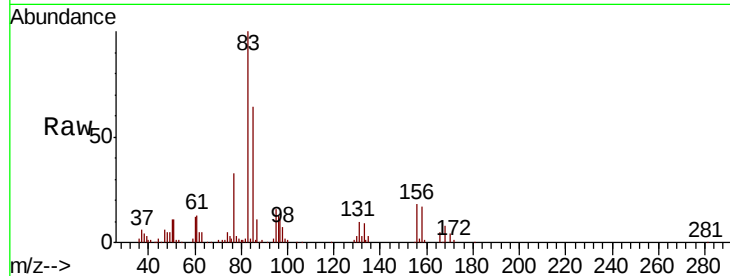
ClientSampleId :

VN1108WBS02

Tot Ion:	83	Resp:	79785
Ion Ratio	Lower	Upper	
83	100		
131	10.7	4.8	14.3
85	65.5	32.7	98.1

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#72

1,2,3-Trichloropropane

Concen: 15.570 ug/l m

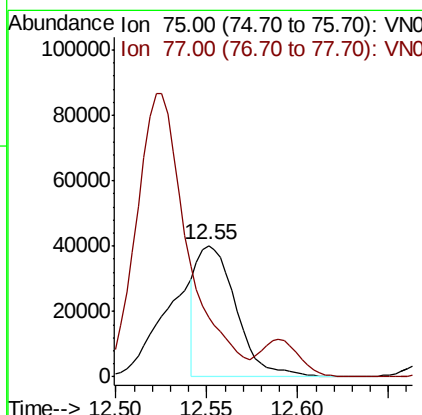
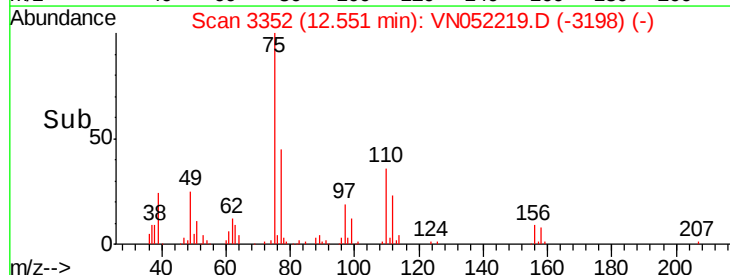
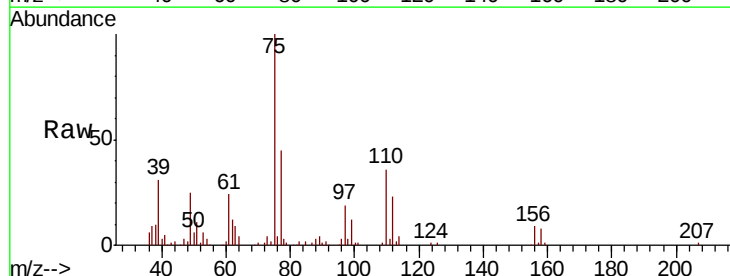
RT: 12.55 min Scan# 3352

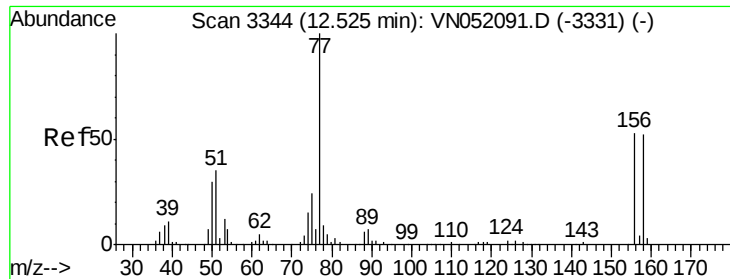
Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Tgt Ion:	75	Resp:	60997
Ion Ratio	Lower	Upper	
75	100		
77	280.8	0.0	481.8





#73

Bromobenzene

Concen: 20.196 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

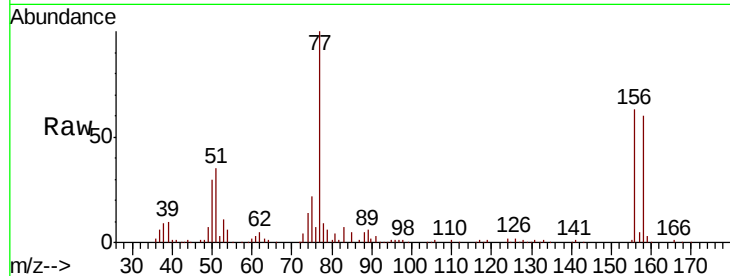
ClientSampleId :

VN1108WBS02

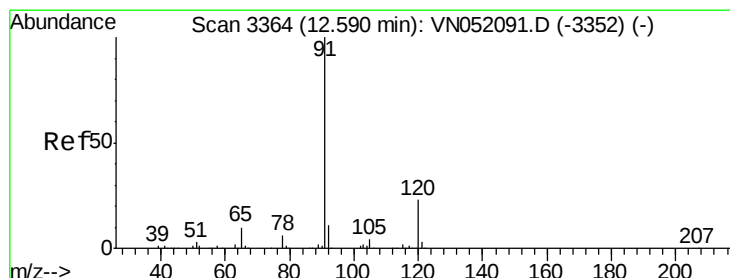
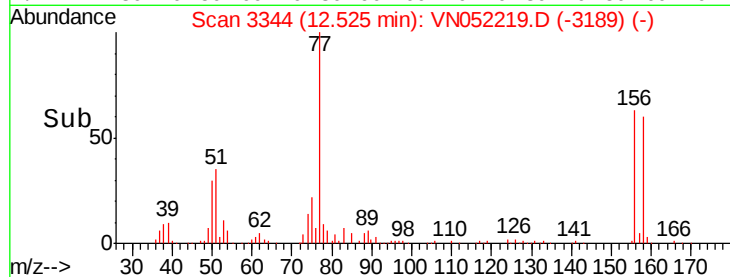
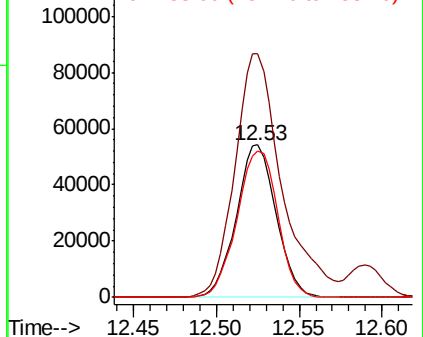
Tot Ion:	156	Resp:	90652
Ion Ratio	Lower	Upper	
156	100		
77	189.0	0.0	428.0
158	98.2	0.0	196.8

Manual Integrations
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Abundance Ion 156.00 (155.70 to 156.70): V
Ion 77.00 (76.70 to 77.70): VN
Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 19.487 ug/l

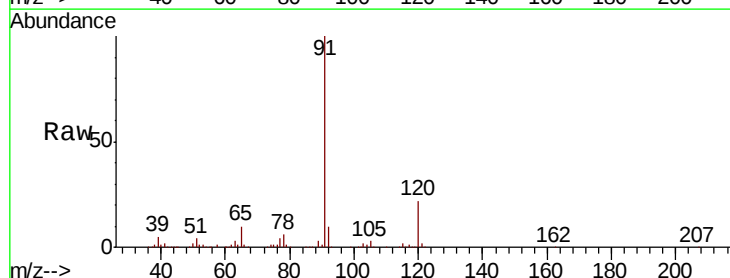
RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

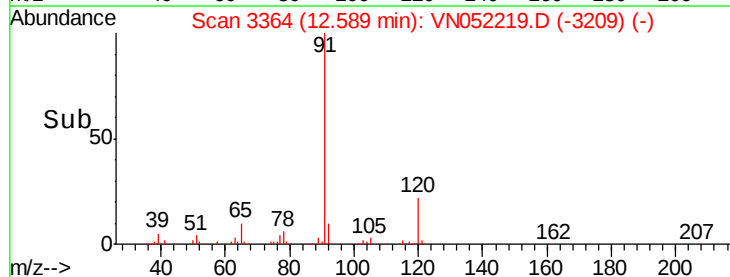
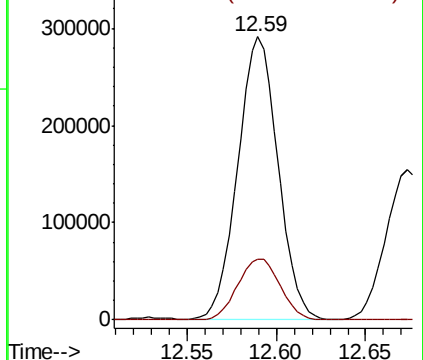
Lab File: VN052219.D

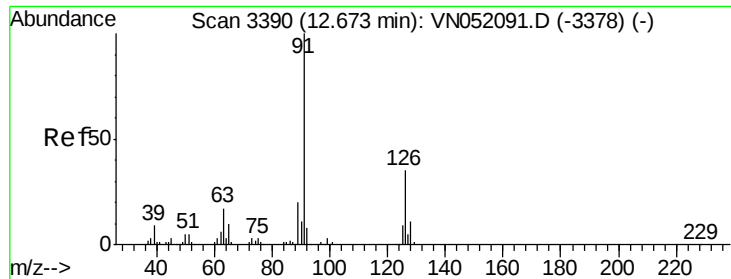
Acq: 8 Nov 2018 13:18

Tgt Ion:	91	Resp:	459691
Ion Ratio	Lower	Upper	
91	100		
120	22.6	0.0	44.8



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.099 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 91 Resp: 259748

Ion Ratio Lower Upper

91 100

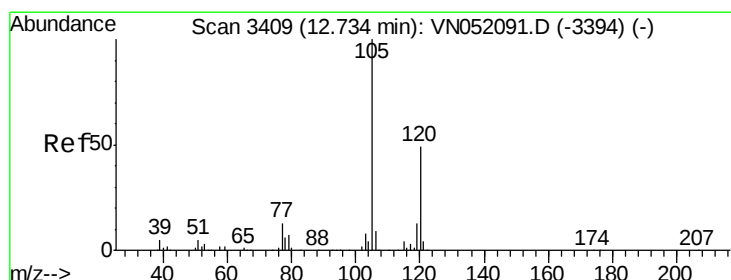
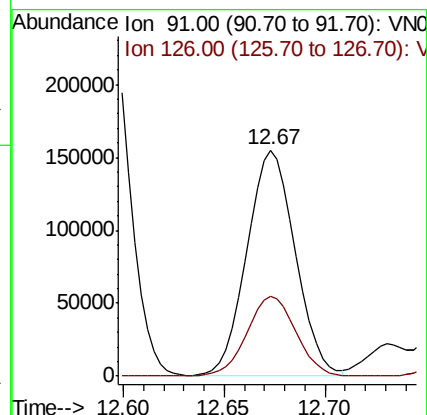
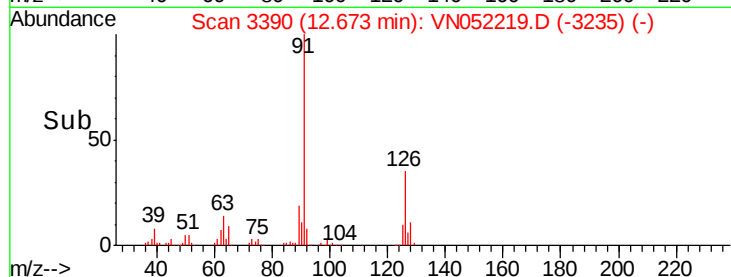
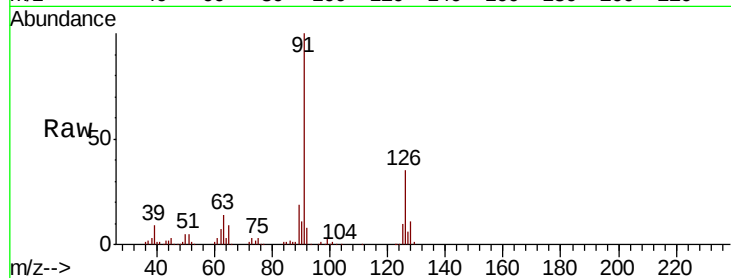
126 35.7 0.0 68.0

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#76

1,3,5-Trimethylbenzene

Concen: 19.350 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052219.D

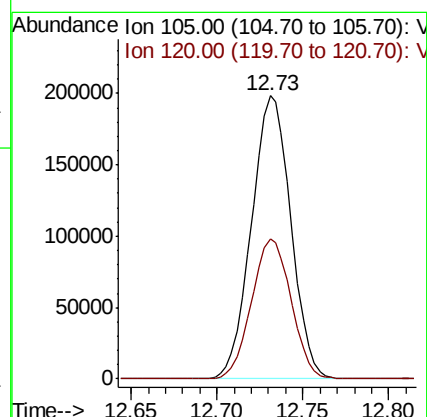
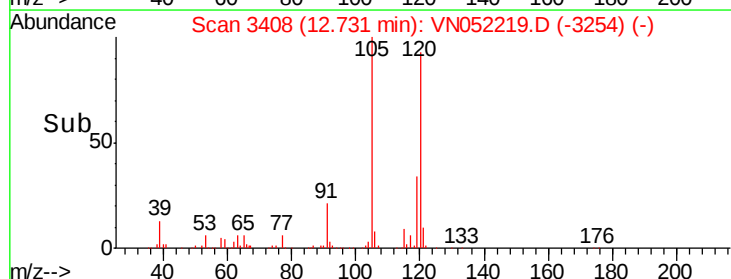
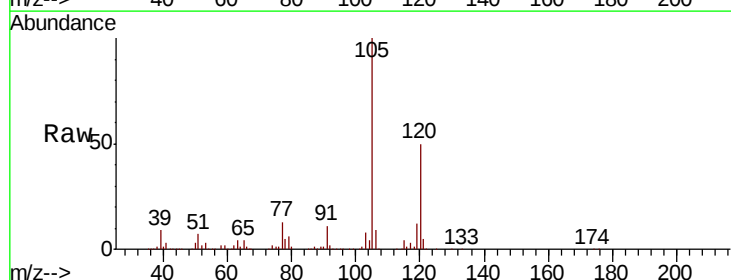
Acq: 8 Nov 2018 13:18

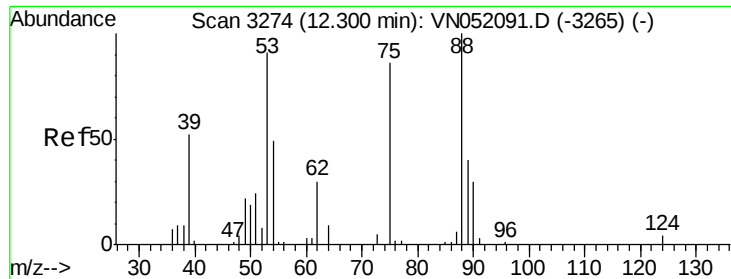
Tgt Ion: 105 Resp: 314310

Ion Ratio Lower Upper

105 100

120 49.6 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 16.673 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBS02

Tot Ion: 75 Resp: 20438

Ion Ratio Lower Upper

75 100

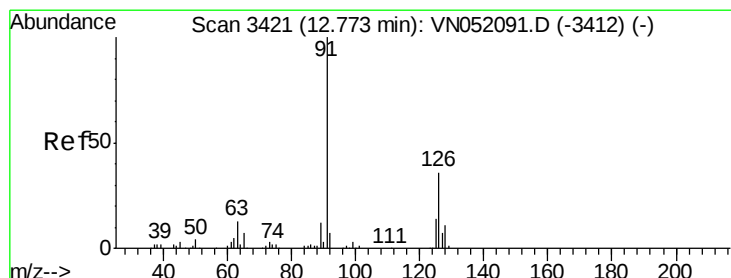
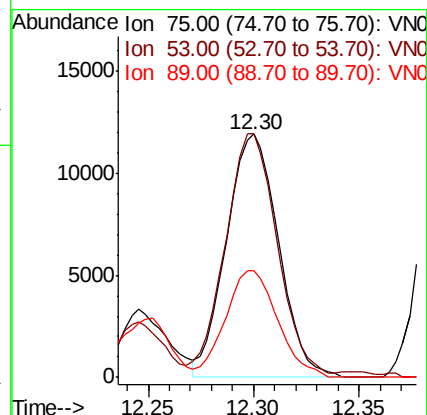
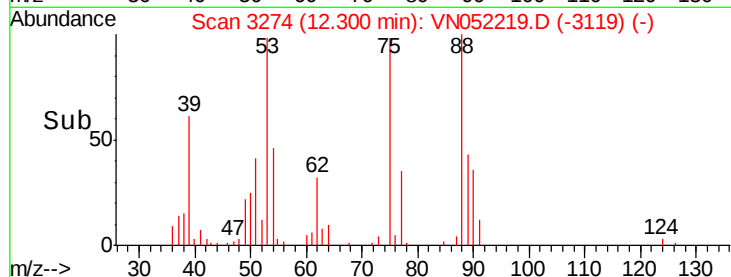
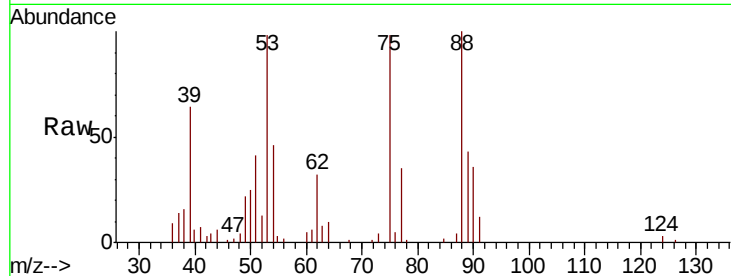
53 97.6 50.7 152.1

89 44.1 23.8 71.5

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#78

4-Chlorotoluene

Concen: 19.169 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052219.D

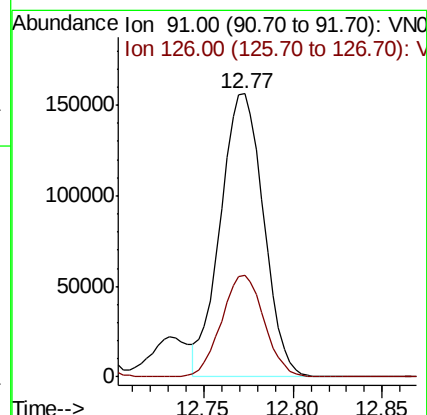
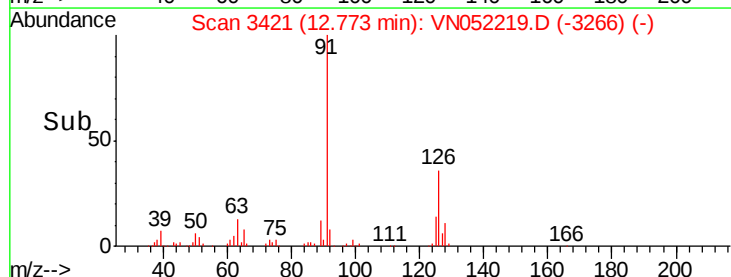
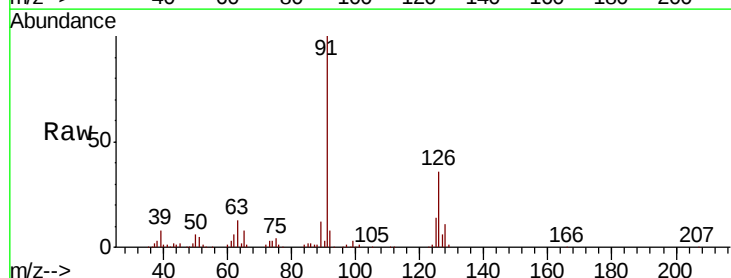
Acq: 8 Nov 2018 13:18

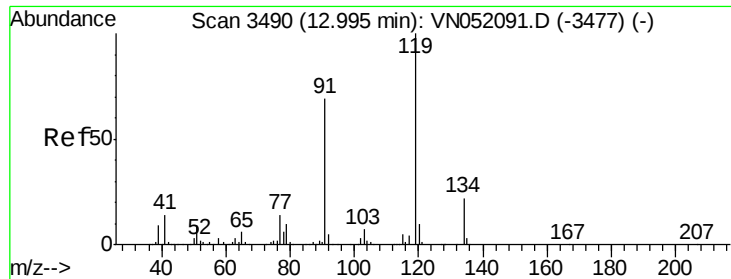
Tgt Ion: 91 Resp: 262534

Ion Ratio Lower Upper

91 100

126 35.4 0.0 68.0





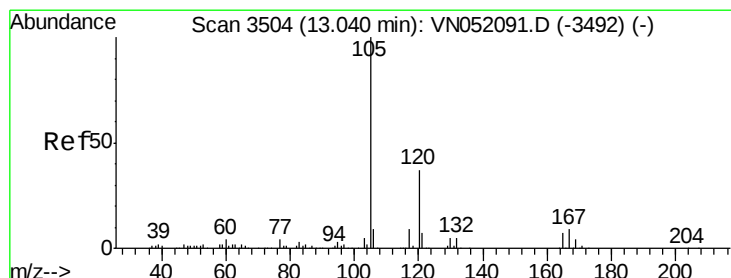
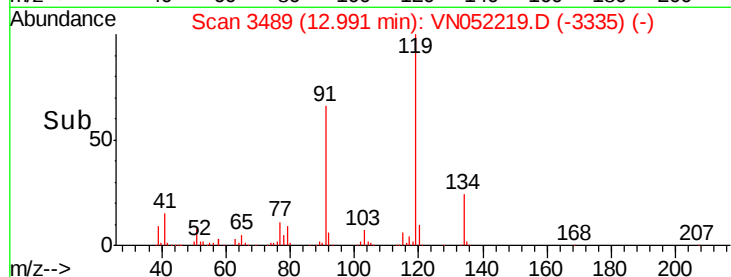
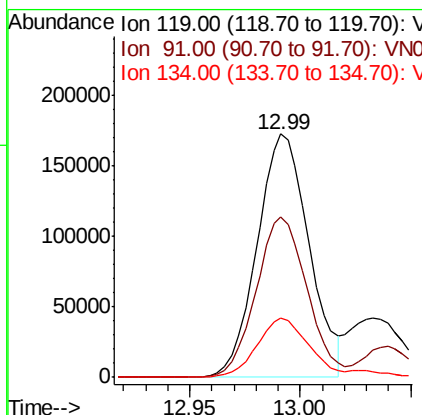
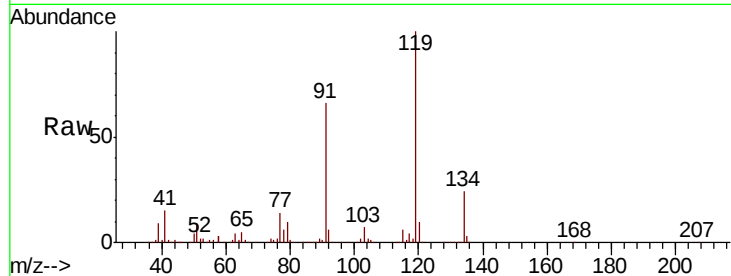
#79
tert-butylbenzene
Concen: 19.915 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	281798		
91	64.7	0.0	131.2	
134	24.1	0.0	45.8	

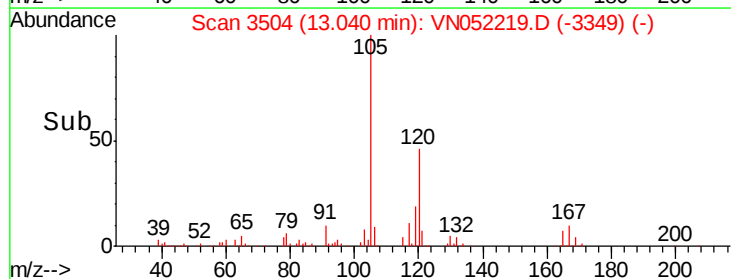
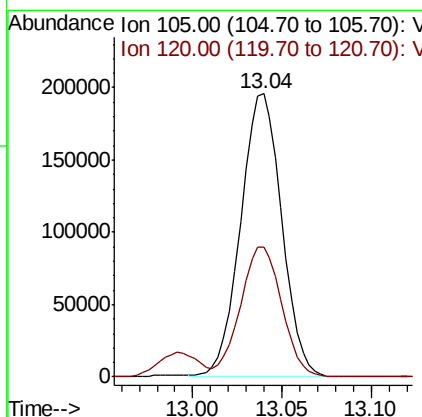
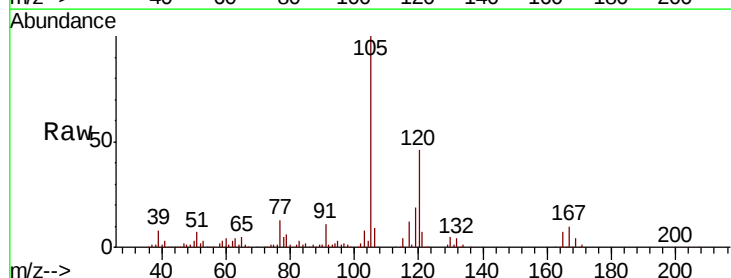
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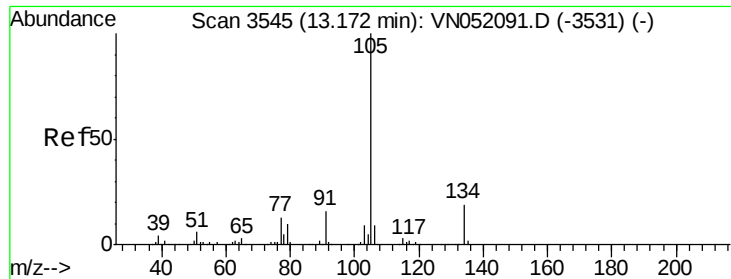
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#80
1,2,4-Trimethylbenzene
Concen: 19.459 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	314895		
120	46.1	0.0	89.4	





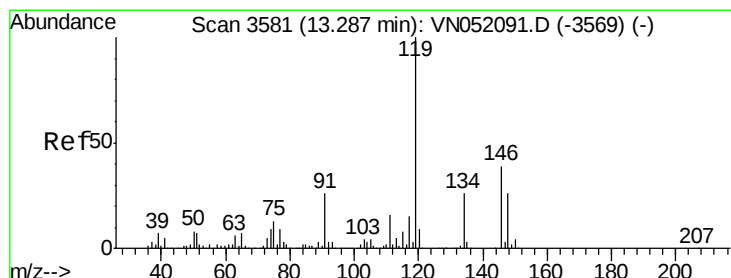
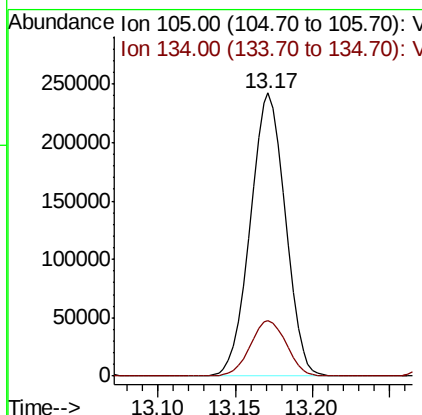
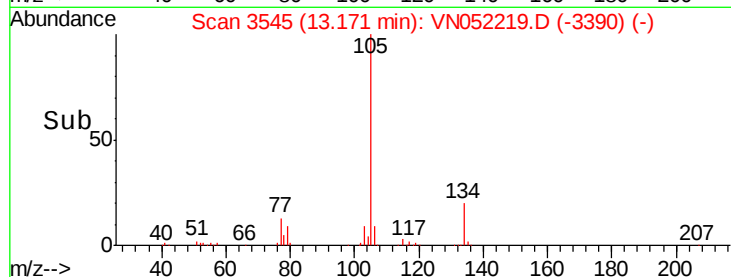
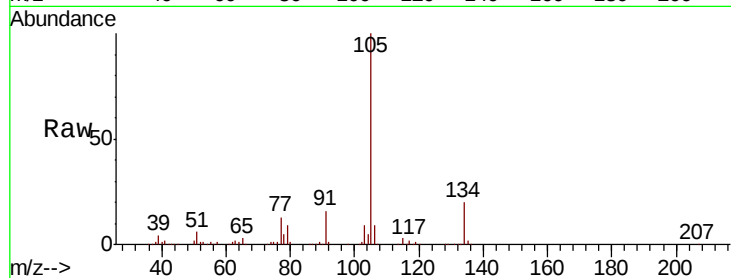
#81
 sec-Butylbenzene
 Concen: 19.707 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	0.0	38.6

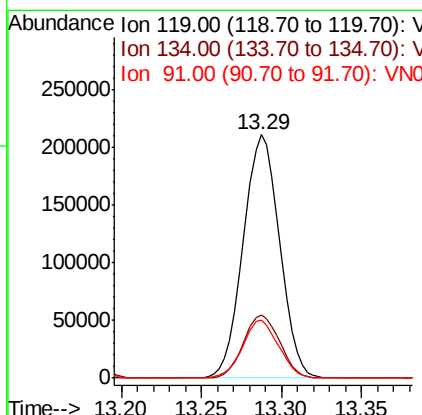
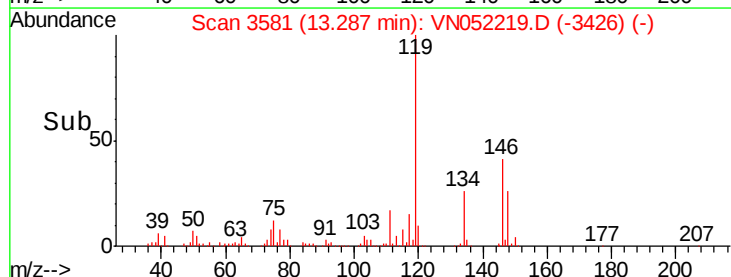
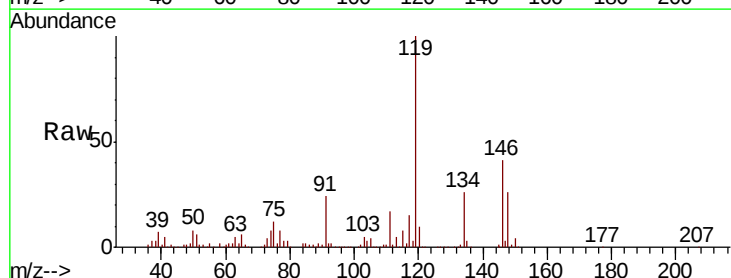
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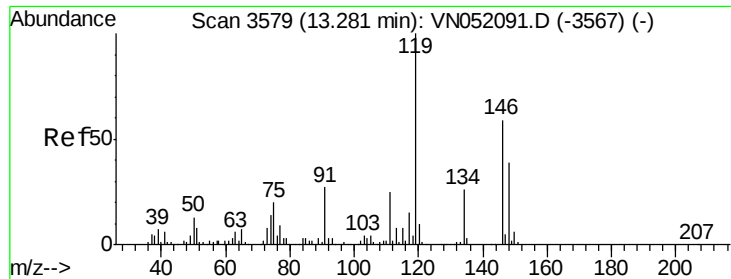
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#82
 p-Isopropyltoluene
 Concen: 19.895 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	0.0	52.0
91	23.5	0.0	50.8





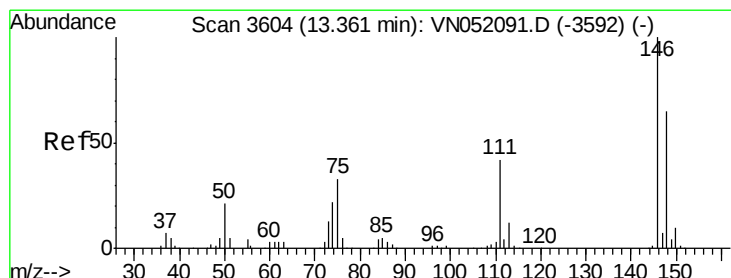
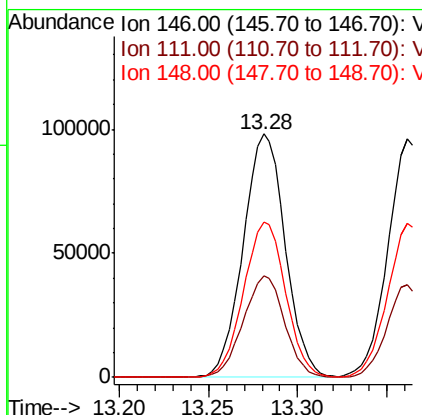
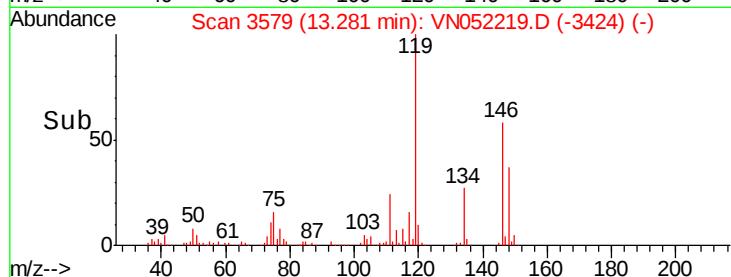
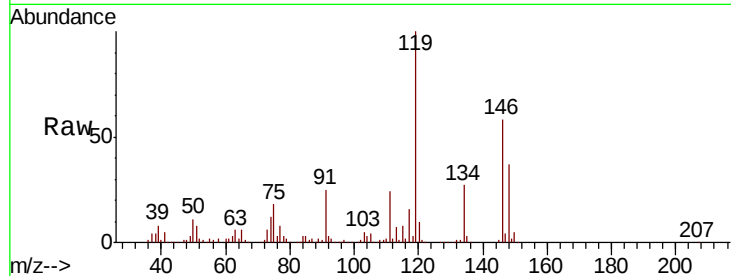
#83
 1,3-Dichlorobenzene
 Concen: 20.331 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.0	63.0
148	63.8	33.4	100.2

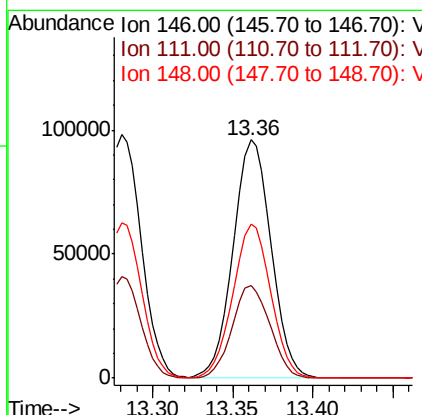
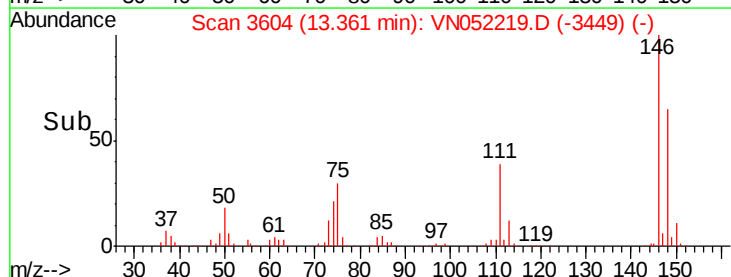
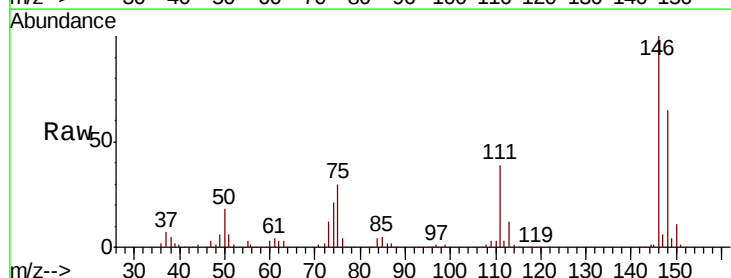
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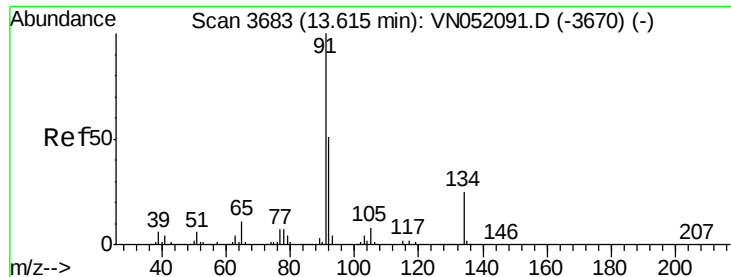
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#84
 1,4-Dichlorobenzene
 Concen: 19.767 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052219.D
 Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	21.4	64.2
148	64.3	32.6	98.0





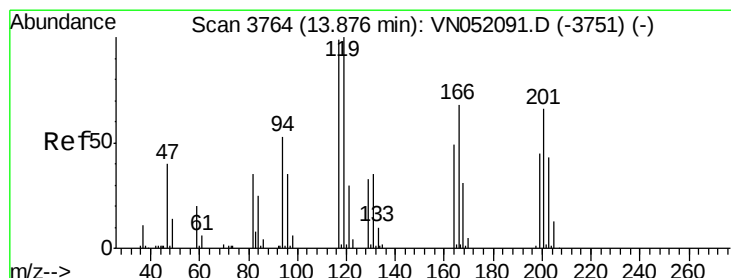
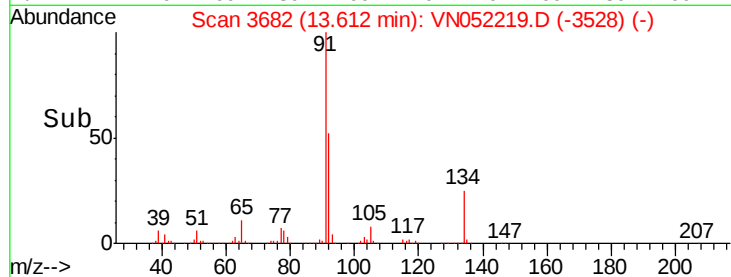
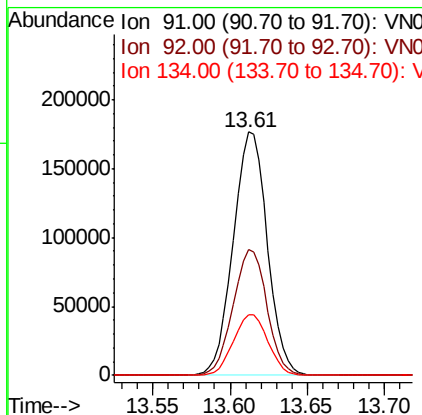
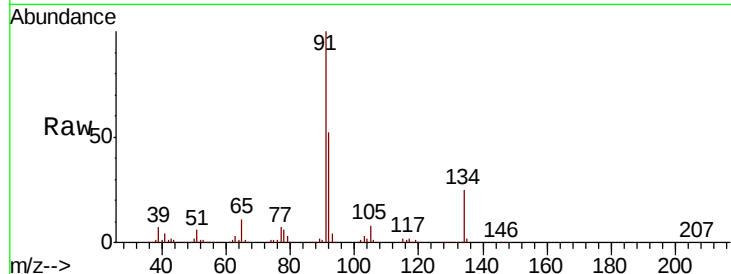
#85
n-Butylbenzene
Concen: 18.967 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	270149		
92	51.1	0.0	102.8	
134	25.3	0.0	49.2	

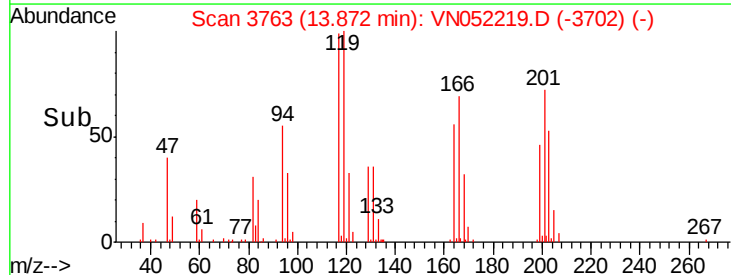
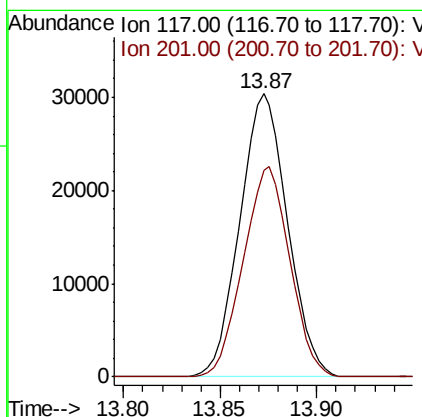
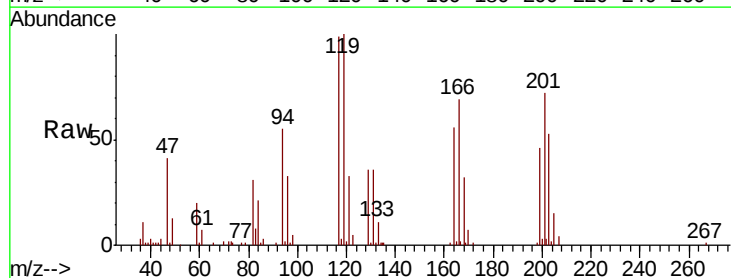
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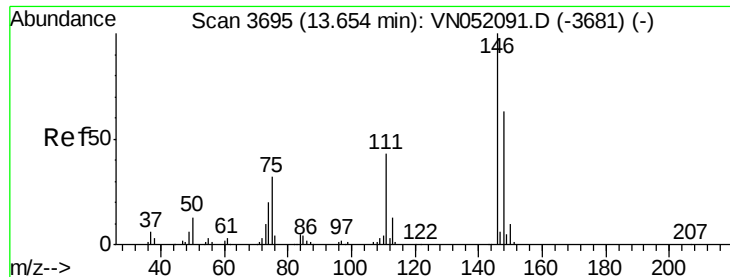
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#86
Hexachloroethane
Concen: 18.781 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	52155		
201	72.3	32.2	96.6	





#87

1,2-Dichlorobenzene

Concen: 19.944 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Instrument :

MSVOA_N

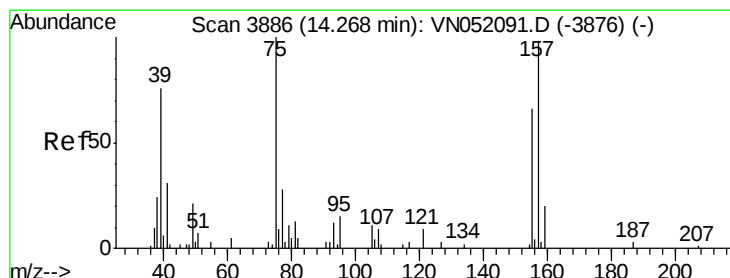
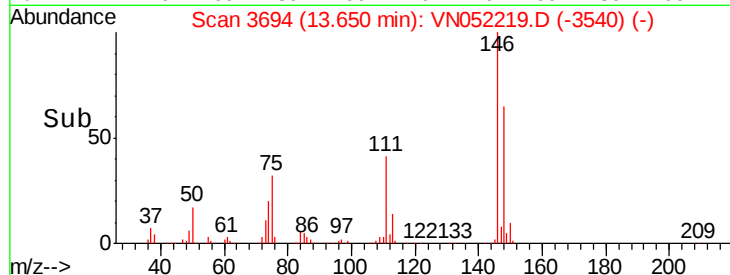
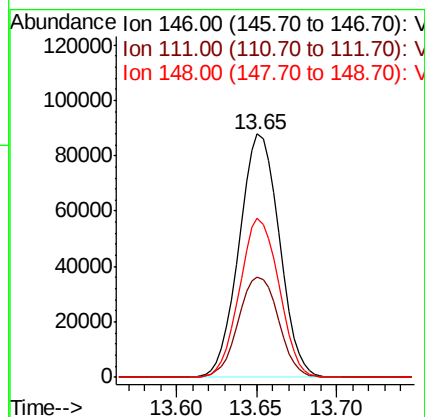
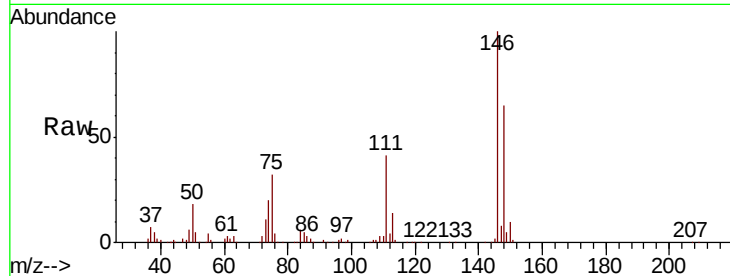
ClientSampleId :

VN1108WBS02

Tot Ion:	146	Resp:	150448
Ion Ratio	Lower	Upper	
146	100		
111	41.3	22.4	67.0
148	63.9	32.5	97.4

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#88

1,2-Dibromo-3-Chloropropane

Concen: 17.488 ug/l

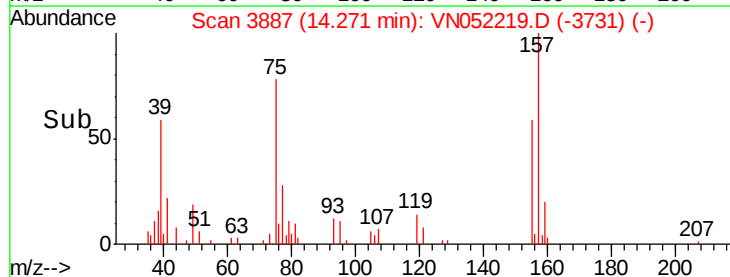
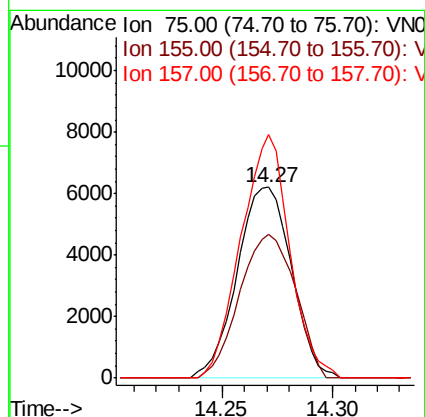
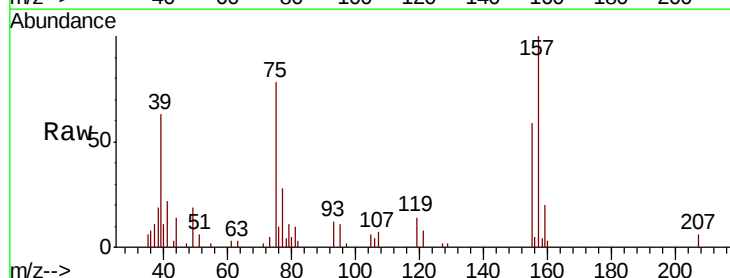
RT: 14.27 min Scan# 3887

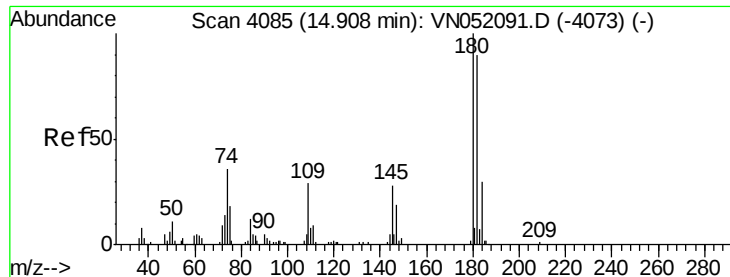
Delta R.T. 0.00 min

Lab File: VN052219.D

Acq: 8 Nov 2018 13:18

Tgt Ion:	75	Resp:	10655
Ion Ratio	Lower	Upper	
75	100		
155	77.2	56.7	85.1
157	114.4	80.4	120.6





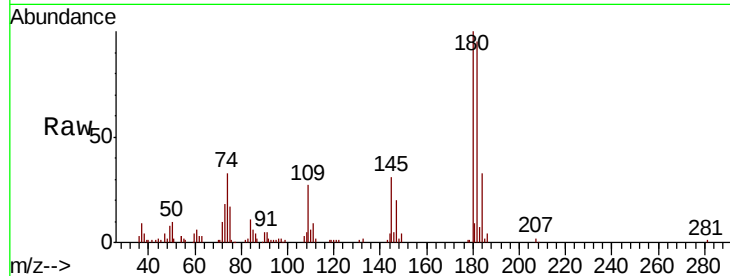
#89
1,2,4-Trichlorobenzene
Concen: 20.655 ug/l
RT: 14.91 min Scan# 4085
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	74.0	111.0
145	30.9	24.6	36.8

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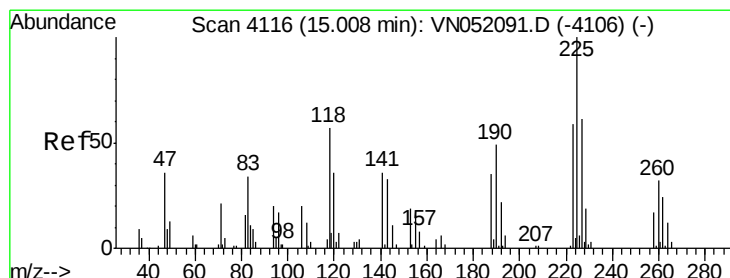
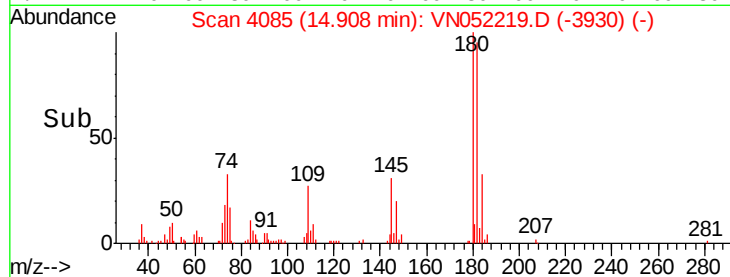
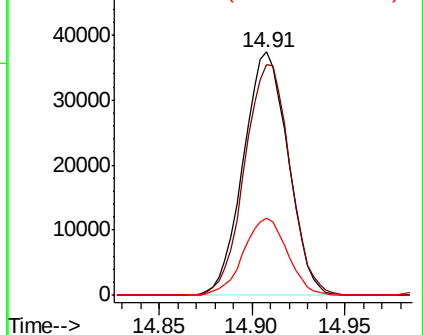


Abundance

Ion 180.00 (179.70 to 180.70): V

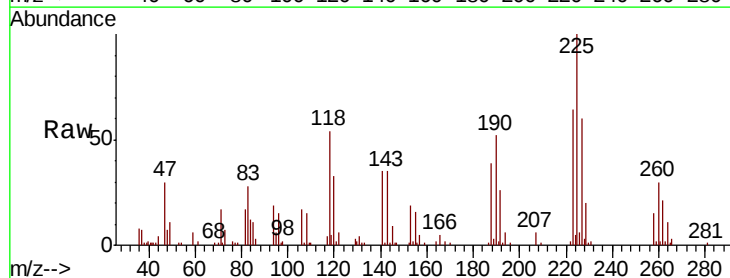
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#90
Hexachlorobutadiene
Concen: 22.456 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	0.0	121.2
227	62.9	0.0	127.2

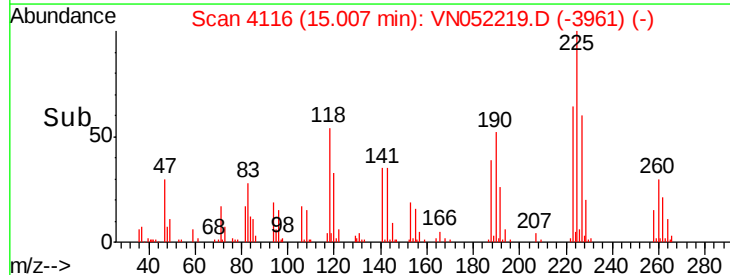
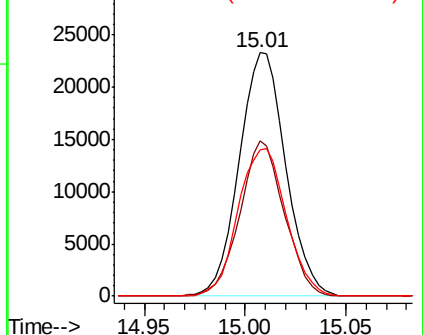


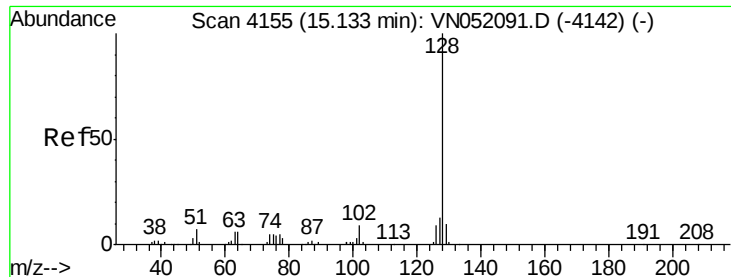
Abundance

Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V





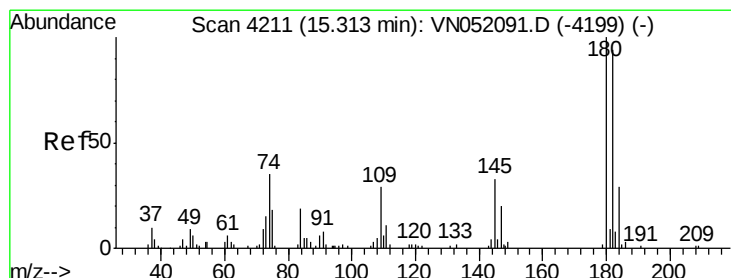
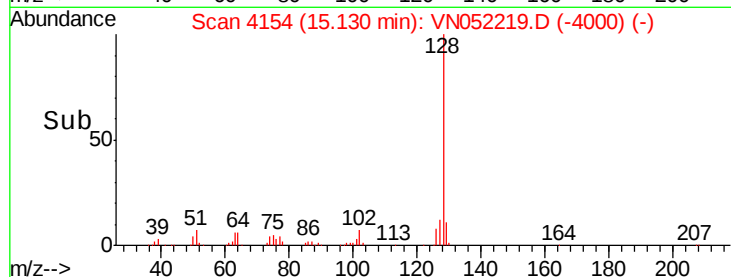
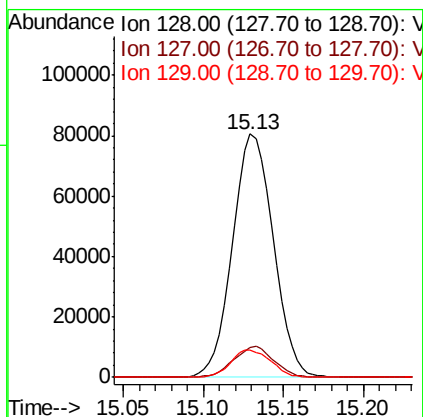
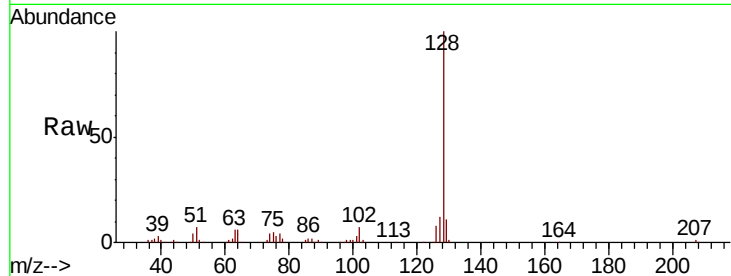
#91
Naphthalene
Concen: 19.866 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBS02

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.4	15.6
129	11.1	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
11/9/2018 11:49:17 AM



#92
1,2,3-Trichlorobenzene
Concen: 21.833 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052219.D
Acq: 8 Nov 2018 13:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	0.0	186.6
145	32.4	0.0	66.6

