

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110818\
 Data File : VN052220.D
 Acq On : 8 Nov 2018 13:45
 Operator : MD\SY
 Sample : VN1108WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1108WBSD02

Manual Integrations
 APPROVED

MMDadoda
 11/9/2018 11:49:22 AM

Quant Time: Nov 08 14:08:22 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	63654	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	375970	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	335239	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	137133	29.03	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	96.77%
60) 4-Bromofluorobenzene	12.40	95	149495	27.88	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	92.93%
63) Toluene-d8	10.09	98	471452	29.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	85359	20.078	ug/l 98
3) Chloromethane	2.06	50	95193	19.591	ug/l 97
4) Vinyl Chloride	2.19	62	89860	18.853	ug/l 95
5) Bromomethane	2.58	94	61388	18.869	ug/l 92
6) Chloroethane	2.71	64	55681	18.270	ug/l 95
7) Trichlorofluoromethane	3.02	101	129160	20.010	ug/l 95
8) Diethyl Ether	3.41	74	44864	20.586	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.77	101	77411	20.520	ug/l 86
10) 1,1-Dichloroethene	3.74	96	70951	20.156	ug/l 86
11) Methyl Iodide	3.96	142	104322	20.497	ug/l 94
12) Methyl Acetate	4.33	43	65181	21.999	ug/l 100
13) Acrolein	3.61	56	27373	87.101	ug/l 99
14) Acrylonitrile	4.99	53	138099	105.103	ug/l # 88
15) Acetone	3.82	58	33438	107.676	ug/l 99
16) Carbon Disulfide	4.06	76	189650	18.247	ug/l 99
17) Allyl chloride	4.33	41	109317	18.290	ug/l 95
18) Methylene Chloride	4.55	84	81294	18.710	ug/l 93
19) trans-1,2-Dichloroethene	5.05	96	74392	19.288	ug/l 91
20) Diisopropyl ether	5.95	45	259179	19.956	ug/l 97
21) 1,1-Dichloroethane	5.86	63	145881	19.220	ug/l 98
22) cis-1,2-Dichloroethene	6.83	96	86578	19.223	ug/l 97
23) tert-Butyl Alcohol	4.79	59	23603m	115.294	ug/l
24) Methyl tert-Butyl Ether	5.05	73	199448	19.986	ug/l 99
25) Chloroform	7.37	83	147153	19.309	ug/l 96
26) Cyclohexane	7.65	56	130905	19.240	ug/l # 96
29) 1,1-Dichloropropene	7.80	75	108217	18.130	ug/l 97
30) 2-Butanone	6.84	43	170162	107.046	ug/l # 78
31) 2,2-Dichloropropane	6.83	77	110986	18.050	ug/l 96
32) 1,1,1-Trichloroethane	7.57	97	126564	18.951	ug/l 96
33) Carbon Tetrachloride	7.78	117	111269	18.733	ug/l 98
34) Benzene	8.04	78	324845	18.586	ug/l 99
35) Methacrylonitrile	7.20	41	57107m	26.192	ug/l
36) 1,2-Dichloroethane	8.13	62	108011	18.483	ug/l 96
37) Trichloroethene	8.83	130	85725	19.597	ug/l 87
38) Methylcyclohexane	9.08	83	130426	17.912	ug/l 99
39) 1,2-Dichloropropane	9.12	63	87981	18.911	ug/l 93
40) Dibromomethane	9.21	93	53749	18.743	ug/l 92

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Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

41) Bromodichloromethane	9.40	83	111510	19.005	ug/l	98
42) Vinyl Acetate	5.90	43	904916	97.241	ug/l #	77
43) Ethyl Acetate	6.84	43	170162	21.300	ug/l #	86
44) Isopropyl Acetate	8.17	43	135104	20.426	ug/l	97
45) 1,4-Dioxane	9.20	88	13506	447.616	ug/l #	81
46) Methyl methacrylate	9.20	41	68147	20.698	ug/l	96
47) n-amyl Acetate	12.07	43	115048	19.189	ug/l #	100
48) t-1,3-Dichloropropene	10.38	75	105477	18.103	ug/l	99
49) cis-1,3-Dichloropropene	9.84	75	124879	18.570	ug/l	100
50) 1,1,2-Trichloroethane	10.56	97	74057	19.529	ug/l	97
51) Ethyl methacrylate	10.43	69	93343	19.046	ug/l	95
52) 1,3-Dichloropropane	10.71	76	128383	19.436	ug/l	96
53) Dibromochloromethane	10.90	129	80025	19.547	ug/l	98
54) 1,2-Dibromoethane	11.01	107	75265	19.573	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	268715	100.127	ug/l	99
56) Bromoform	12.13	173	45798	19.369	ug/l	97
58) 4-Methyl-2-Pentanone	9.99	43	372908	103.809	ug/l	99
59) 2-Hexanone	10.75	43	250721	101.367	ug/l	99
61) Tetrachloroethene	10.63	164	74145	20.336	ug/l	92
62) Toluene	10.16	91	361644	19.217	ug/l	98
64) Chlorobenzene	11.43	112	227354	19.062	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	80526	19.837	ug/l	99
66) Ethyl Benzene	11.51	91	376398	18.516	ug/l	100
67) m/p-Xylenes	11.62	106	290874	37.167	ug/l	96
68) o-Xylene	11.95	106	140958	18.892	ug/l	96
69) Styrene	11.96	104	222470	18.503	ug/l	97
70) Isopropylbenzene	12.25	105	382102	19.076	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	90436	20.527	ug/l	94
72) 1,2,3-Trichloropropane	12.55	75	71361m	18.422	ug/l	
73) Bromobenzene	12.53	156	87603	19.738	ug/l	89
74) n-propylbenzene	12.59	91	426032	18.265	ug/l	98
75) 2-Chlorotoluene	12.67	91	250746	18.646	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	297660	18.533	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	19885	16.406	ug/l	97
78) 4-Chlorotoluene	12.77	91	250499	18.498	ug/l	96
79) tert-butylbenzene	12.99	119	263764	18.852	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	304132	19.007	ug/l	98
81) sec-Butylbenzene	13.17	105	359099	18.650	ug/l	99
82) p-Isopropyltoluene	13.29	119	305491	18.774	ug/l	97
83) 1,3-Dichlorobenzene	13.28	146	155472	19.804	ug/l	95
84) 1,4-Dichlorobenzene	13.36	146	151895	19.545	ug/l	94
85) n-Butylbenzene	13.61	91	251545	17.861	ug/l	99
86) Hexachloroethane	13.87	117	49075	17.872	ug/l	88
87) 1,2-Dichlorobenzene	13.65	146	148710	19.937	ug/l	96
88) 1,2-Dibromo-3-Chloropropan	14.27	75	12603	20.920	ug/l #	87
89) 1,2,4-Trichlorobenzene	14.91	180	64987	21.464	ug/l	98
90) Hexachlorobutadiene	15.01	225	36943	22.302	ug/l	98
91) Naphthalene	15.13	128	154360	22.118	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	60695	23.001	ug/l	100

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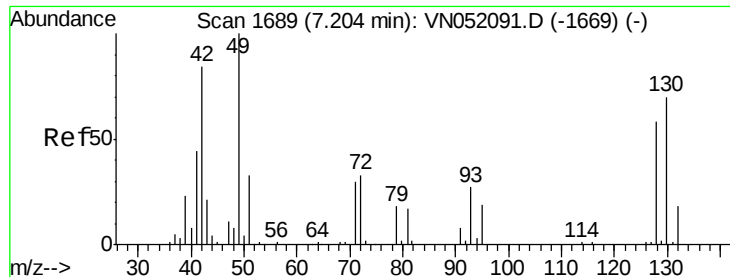
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion:128 Resp: 63654

Ion Ratio Lower Upper

128 100

49 173.0 0.0 453.7

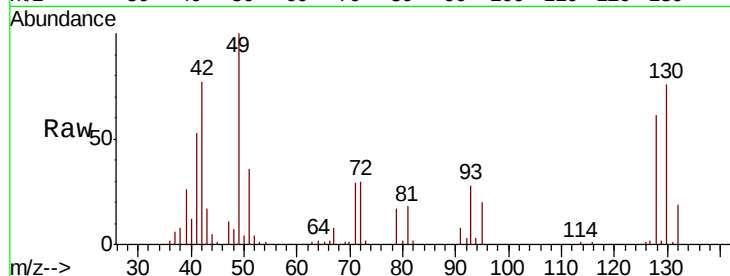
130 129.3 0.0 308.8

Manual Integrations

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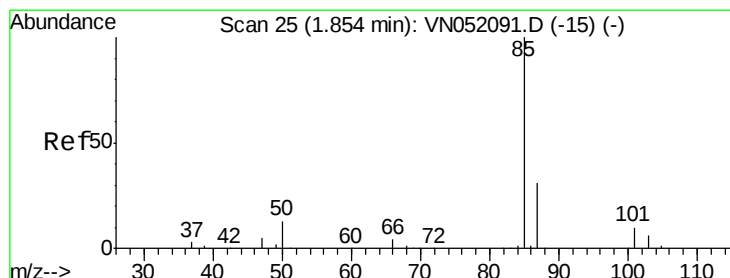
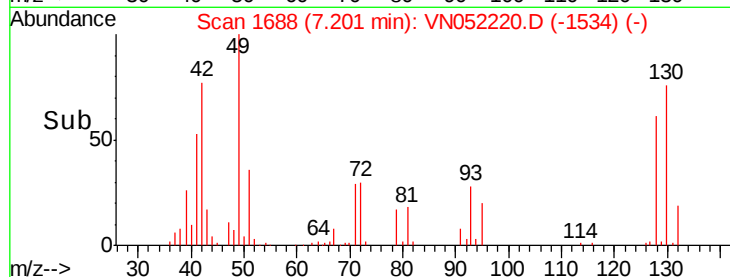
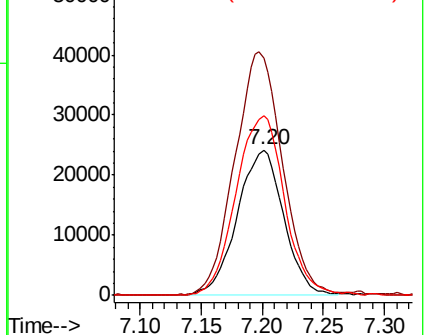
11/9/2018 11:49:22 AM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.078 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN052220.D

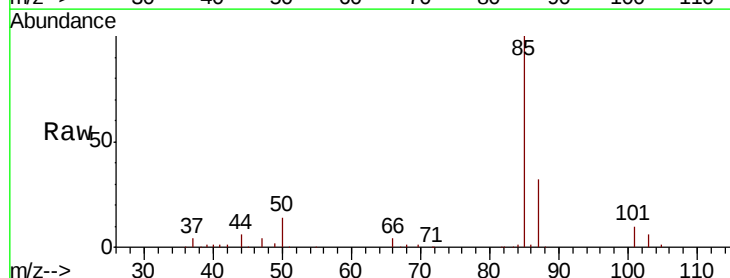
Acq: 8 Nov 2018 13:45

Tgt Ion: 85 Resp: 85359

Ion Ratio Lower Upper

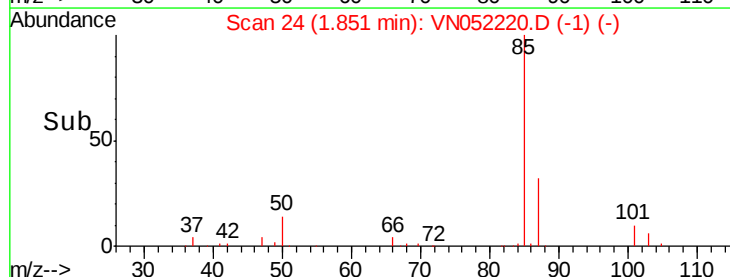
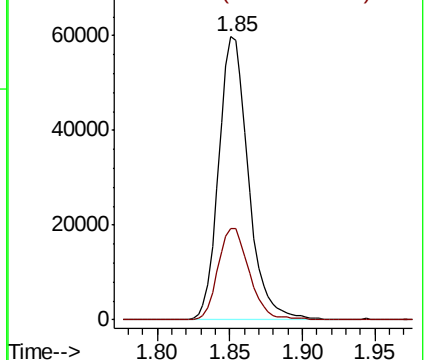
85 100

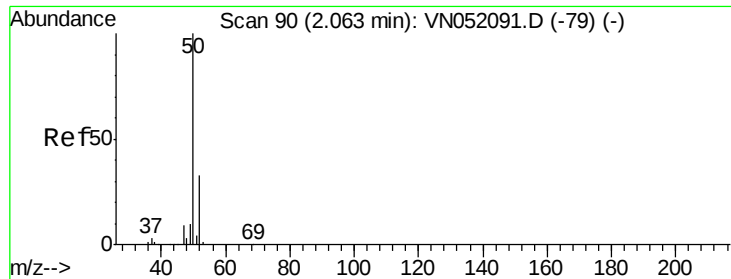
87 32.4 15.7 47.1



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 19.591 ug/l

RT: 2.06 min Scan# 90

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 50 Resp: 95193

Ion Ratio Lower Upper

50 100

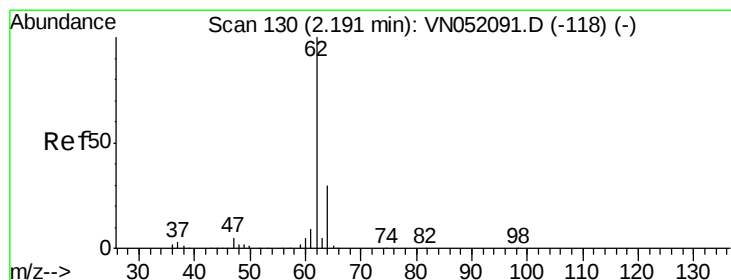
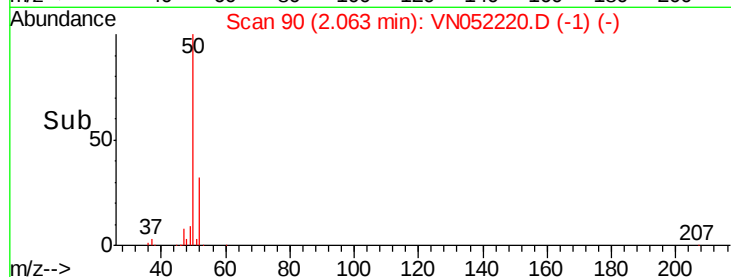
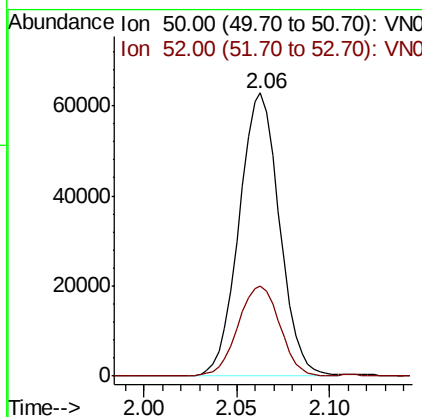
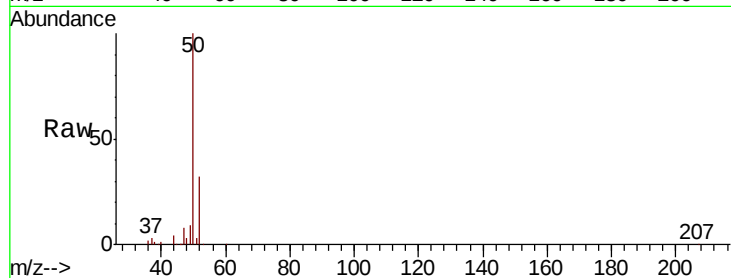
52 31.6 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.853 ug/l

RT: 2.19 min Scan# 130

Delta R.T. -0.00 min

Lab File: VN052220.D

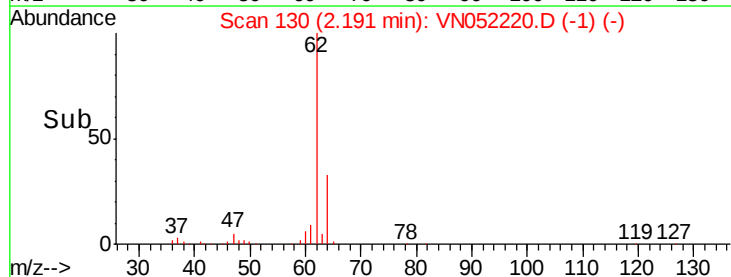
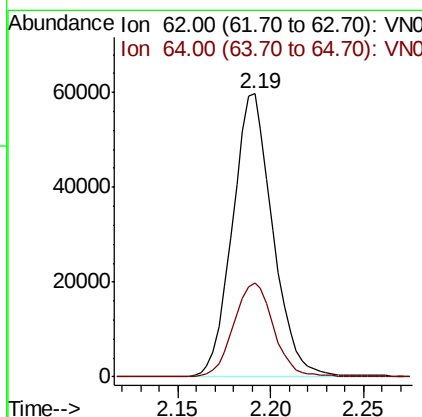
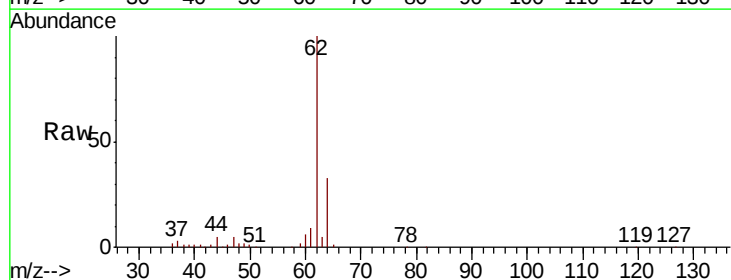
Acq: 8 Nov 2018 13:45

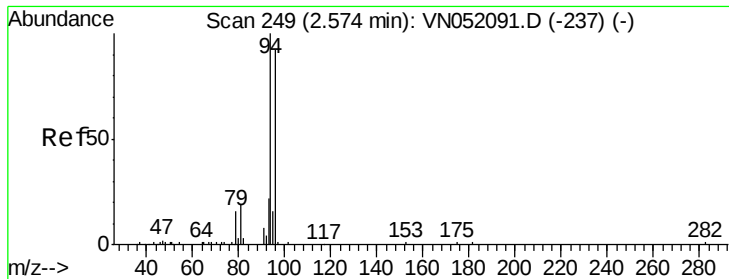
Tgt Ion: 62 Resp: 89860

Ion Ratio Lower Upper

62 100

64 33.2 24.2 36.4





#5

Bromomethane

Concen: 18.869 ug/l

RT: 2.58 min Scan# 250

Delta R.T. 0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 94 Resp: 61388

Ion Ratio Lower Upper

94 100

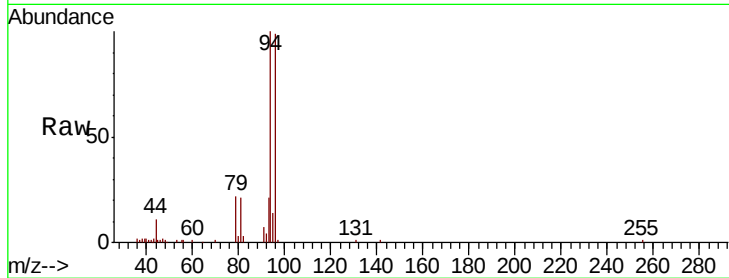
96 99.0 73.4 110.0

Manual Integrations

APPROVED

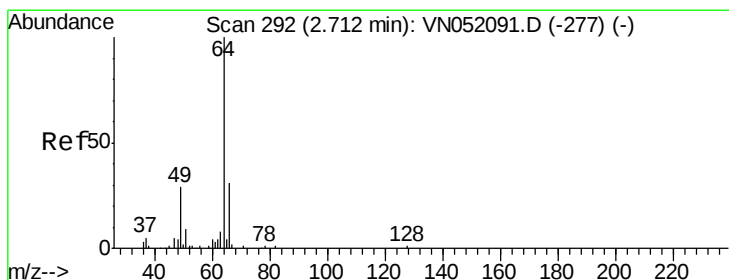
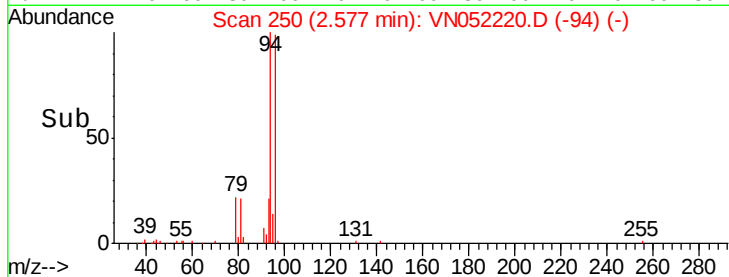
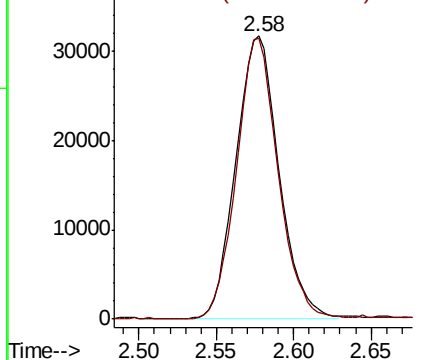
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.270 ug/l

RT: 2.71 min Scan# 291

Delta R.T. -0.00 min

Lab File: VN052220.D

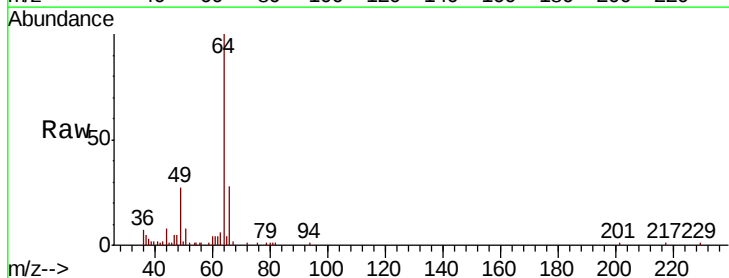
Acq: 8 Nov 2018 13:45

Tgt Ion: 64 Resp: 55681

Ion Ratio Lower Upper

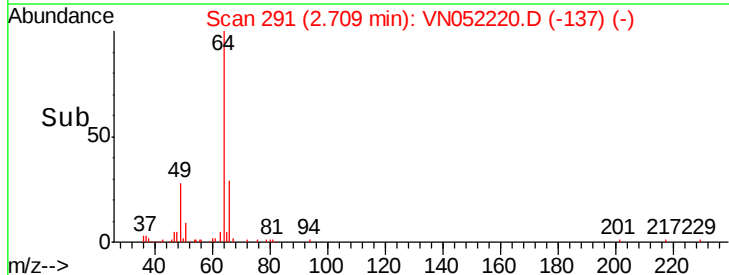
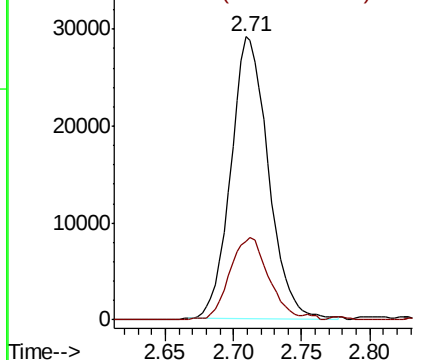
64 100

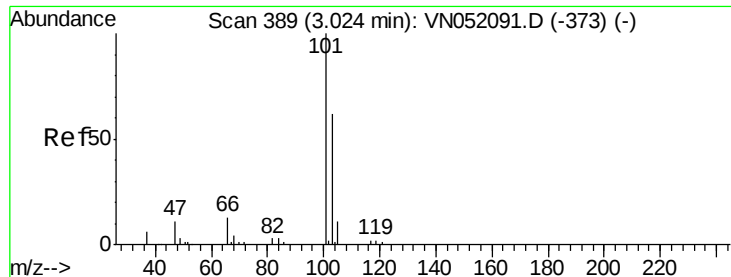
66 28.0 24.7 37.1



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

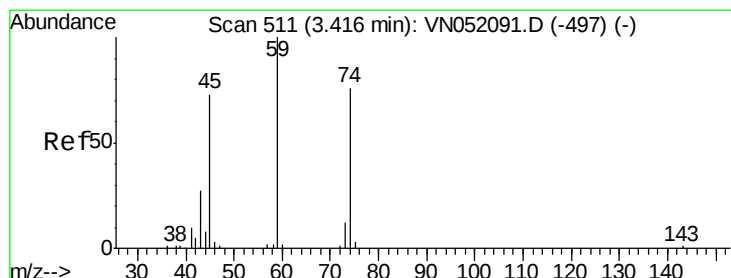
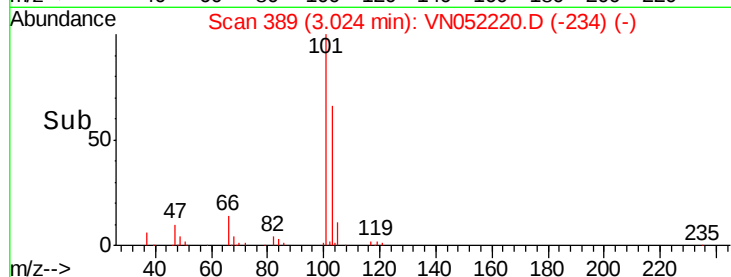
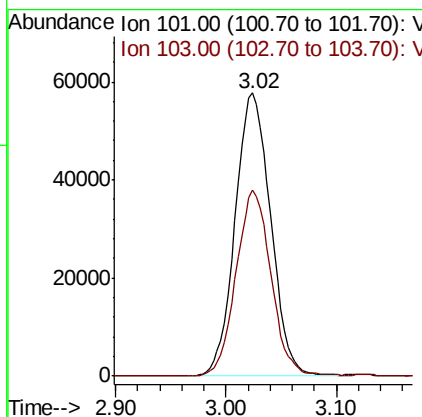
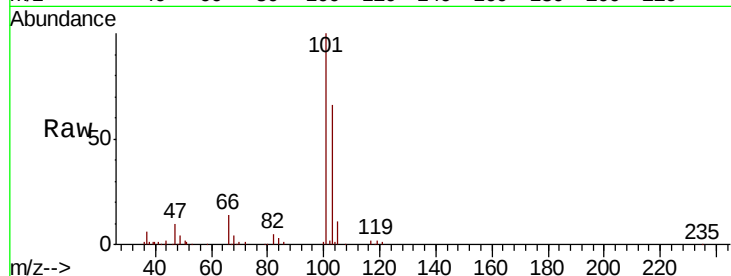
Trichlorofluoromethane
 Concen: 20.010 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
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 VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.5	74.3

Manual Integrations
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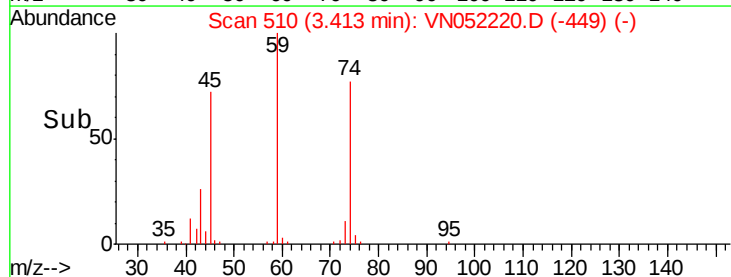
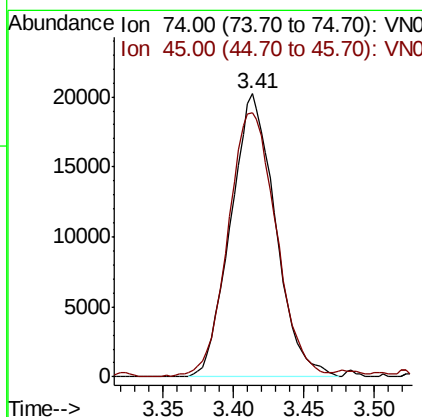
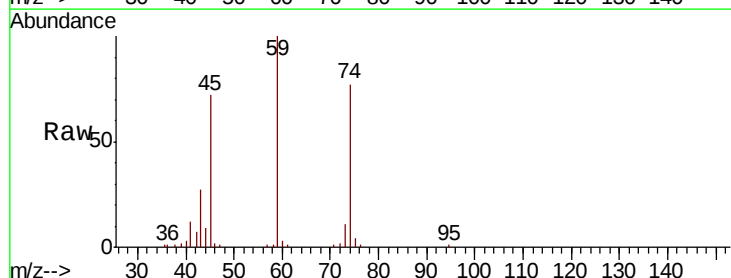
MMDadoda
 11/9/2018 11:49:22 AM

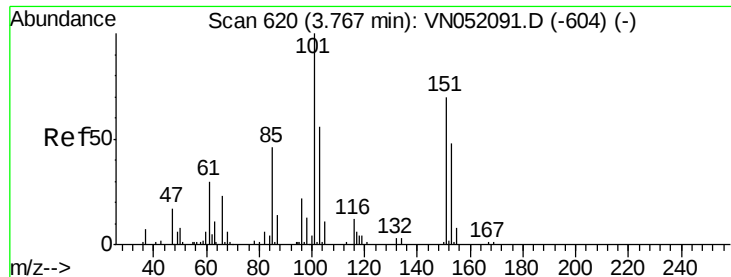


#8

Diethyl Ether
 Concen: 20.586 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.5	19.4	174.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.520 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

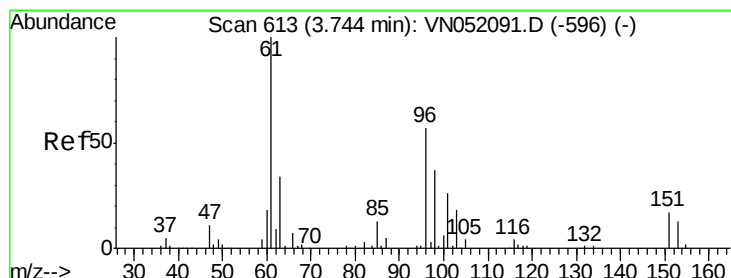
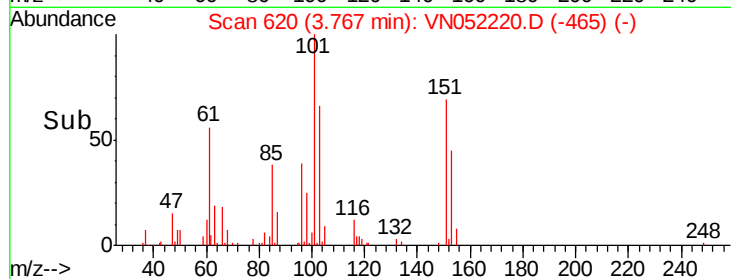
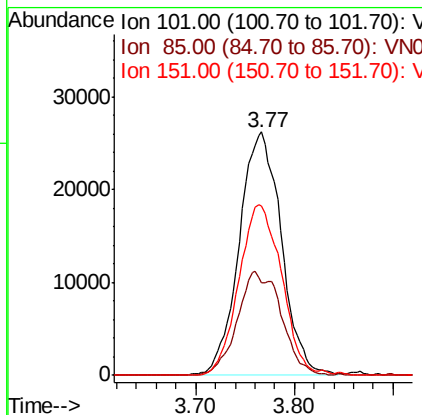
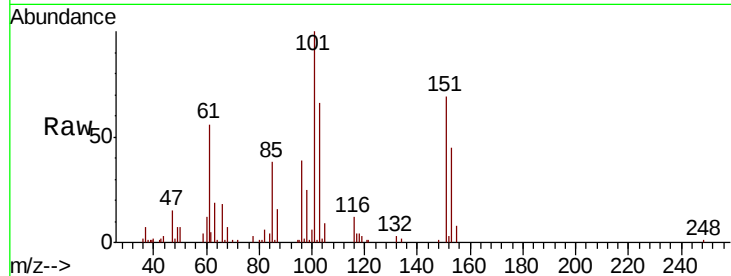
ClientSampleId :

VN1108WBSD02

Tot Ion:	101	Resp:	77411
Ion Ratio	Lower	Upper	
101	100		
85	27.4	0.0	98.0
151	70.7	0.0	139.6

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#10

1,1-Dichloroethene

Concen: 20.156 ug/l

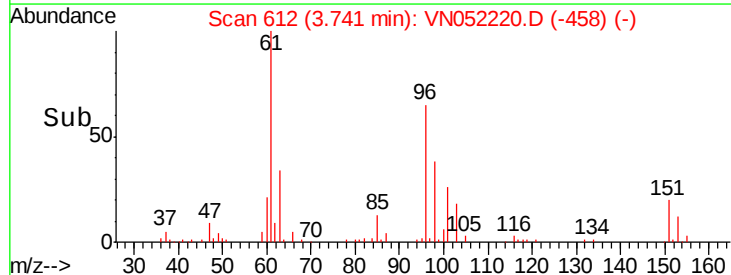
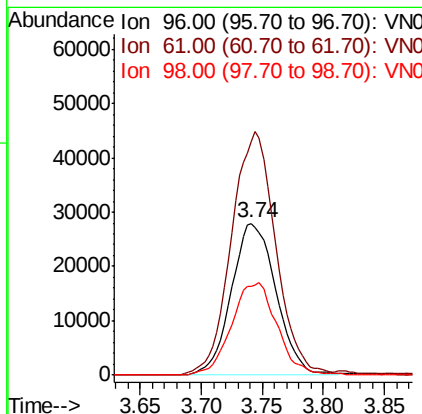
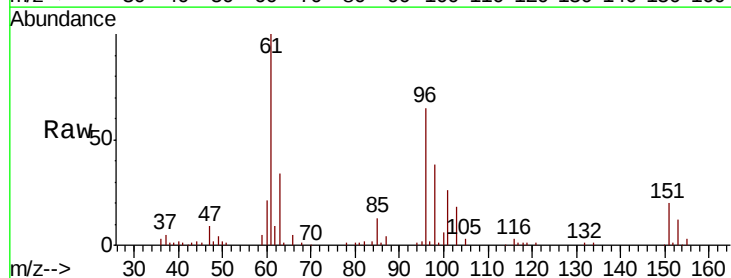
RT: 3.74 min Scan# 612

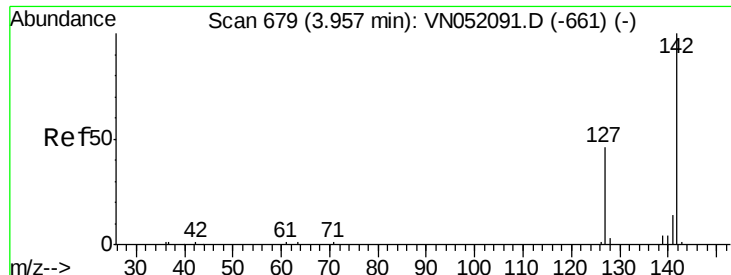
Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Tgt Ion:	96	Resp:	70951
Ion Ratio	Lower	Upper	
96	100		
61	152.2	140.3	210.5
98	58.1	52.0	78.0





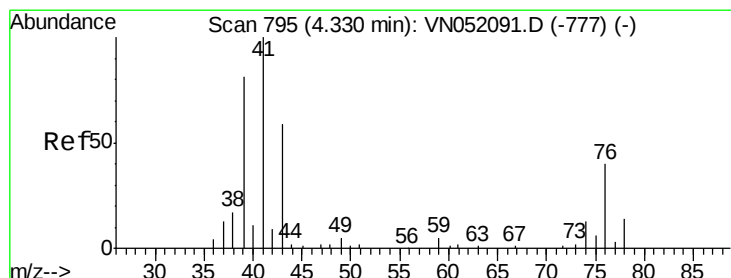
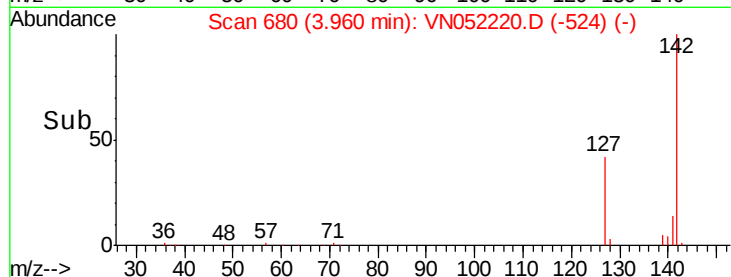
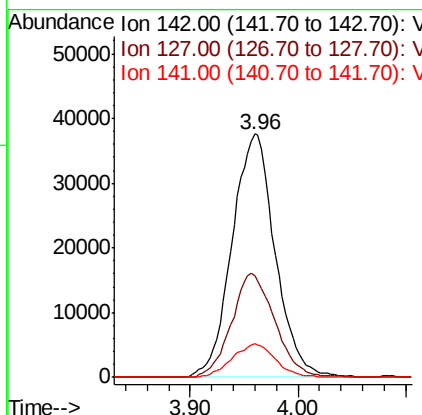
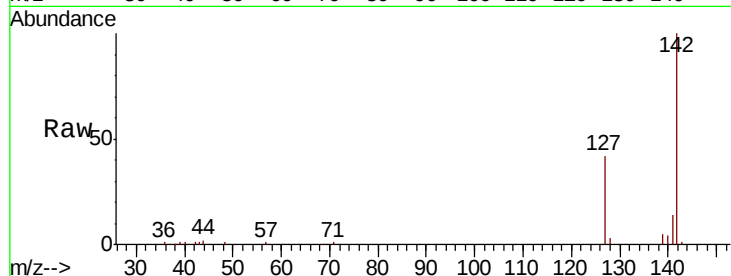
#11
Methyl Iodide
Concen: 20.497 ug/l
RT: 3.96 min Scan# 680
Delta R.T. 0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleID :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.4	23.1	69.2
141	13.5	7.0	20.9

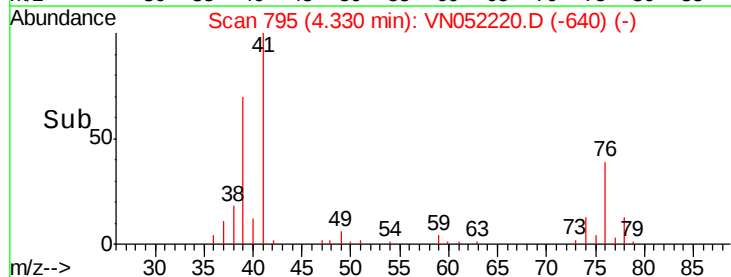
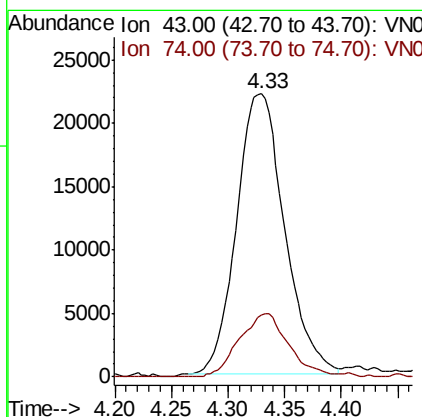
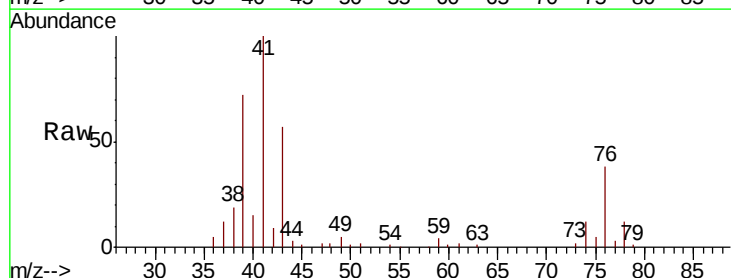
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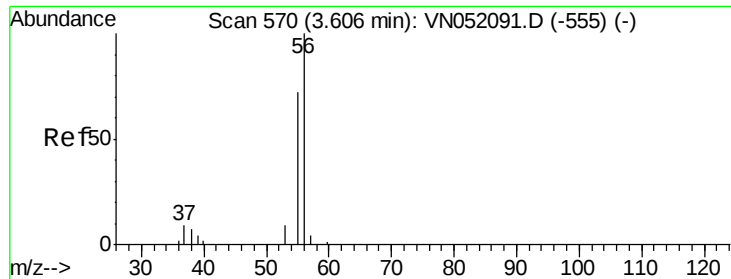
MMDadoda
11/9/2018 11:49:22 AM



#12
Methyl Acetate
Concen: 21.999 ug/l
RT: 4.33 min Scan# 795
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.7	17.4	26.2





#13

Acrolein

Concen: 87.101 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 56 Resp: 27373

Ion Ratio Lower Upper

56 100

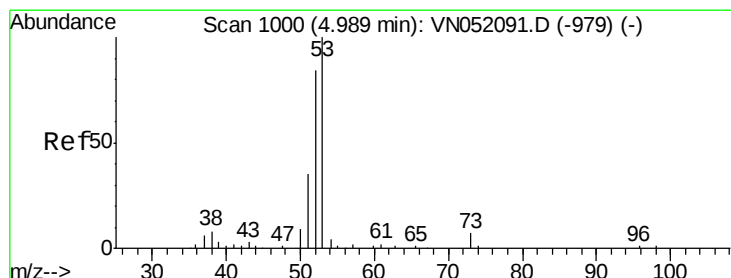
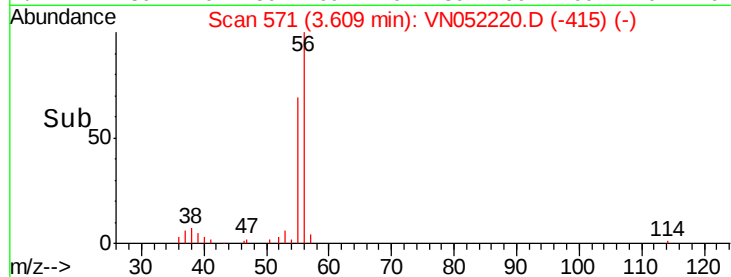
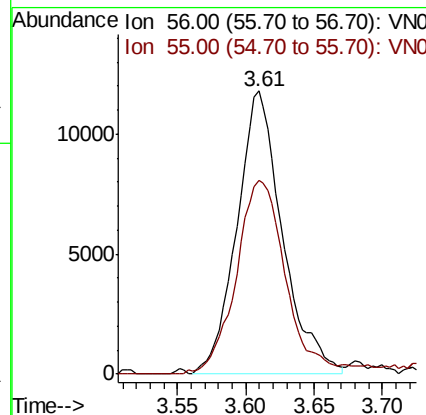
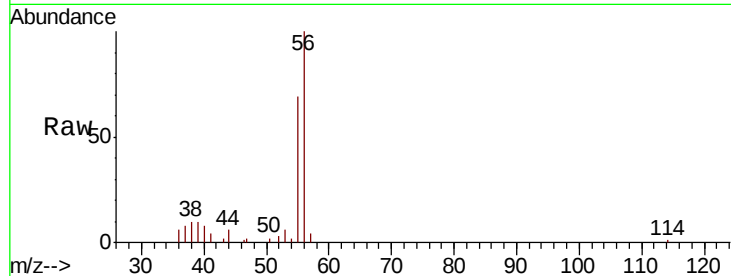
55 71.0 56.2 84.2

Manual Integrations

APPROVED

MMDadoda

11/9/2018 11:49:22 AM



#14

Acrylonitrile

Concen: 105.103 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

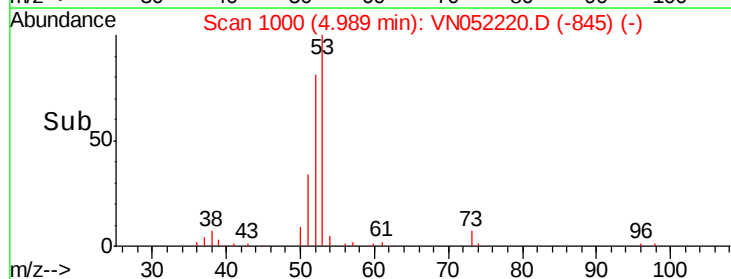
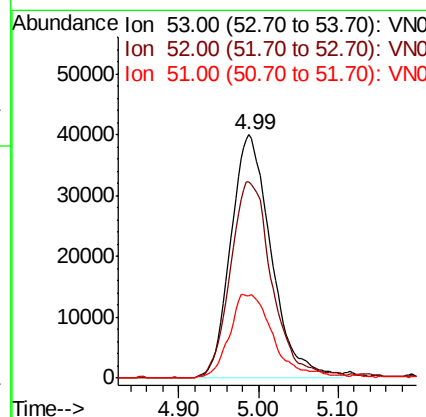
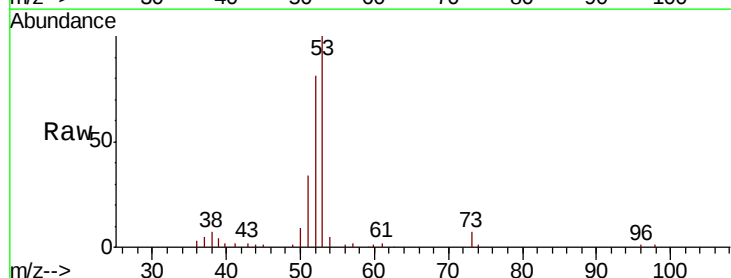
Tgt Ion: 53 Resp: 138099

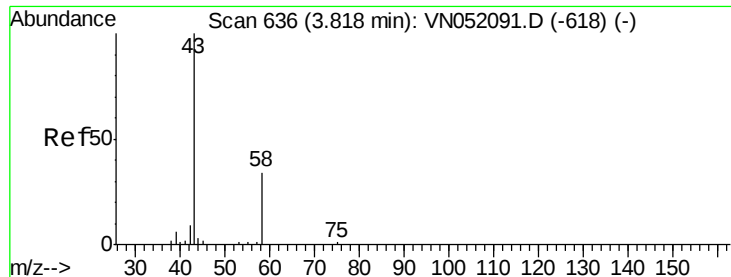
Ion Ratio Lower Upper

53 100

52 81.0 41.3 124.1

51 17.3 18.6 55.6#





#15

Acetone

Concen: 107.676 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 58 Resp: 33438

Ion Ratio Lower Upper

58 100

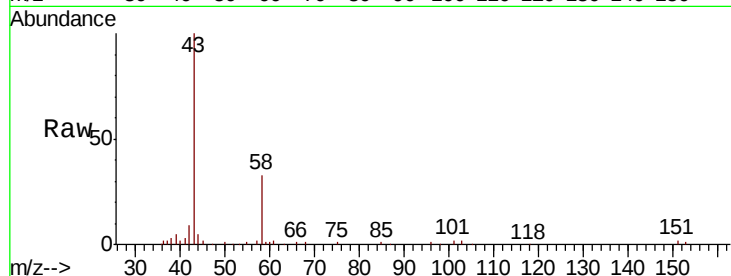
43 294.6 234.7 352.1

Manual Integrations

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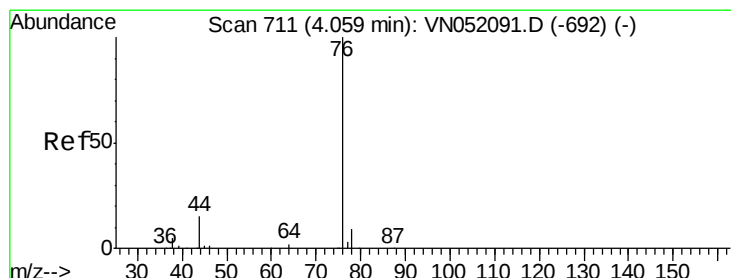
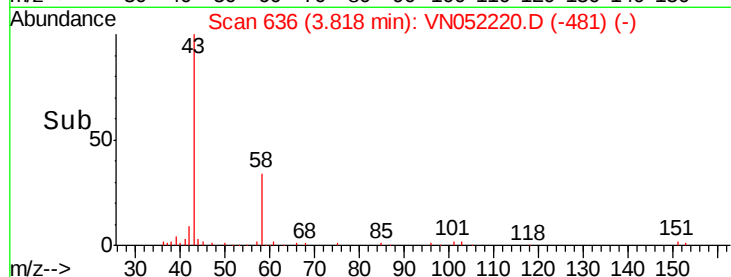
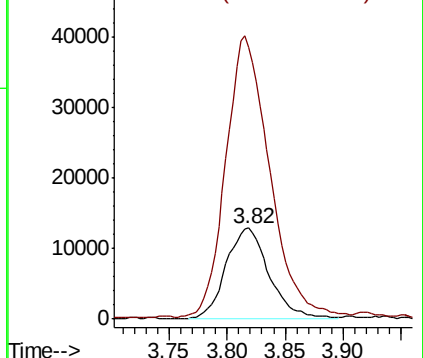
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Abundance Ion 58.00 (57.70 to 58.70): VN052220.D (-481) (-)

Ion 43.00 (42.70 to 43.70): VN052220.D (-481) (-)



#16

Carbon Disulfide

Concen: 18.247 ug/l

RT: 4.06 min Scan# 710

Delta R.T. -0.00 min

Lab File: VN052220.D

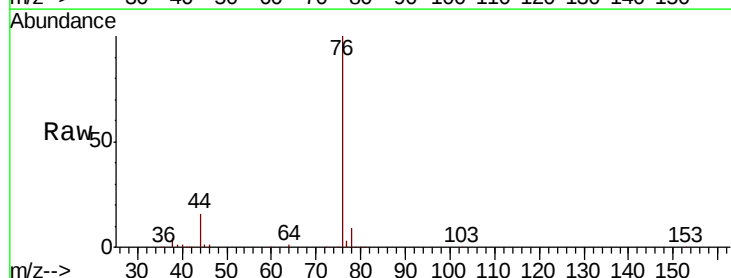
Acq: 8 Nov 2018 13:45

Tgt Ion: 76 Resp: 189650

Ion Ratio Lower Upper

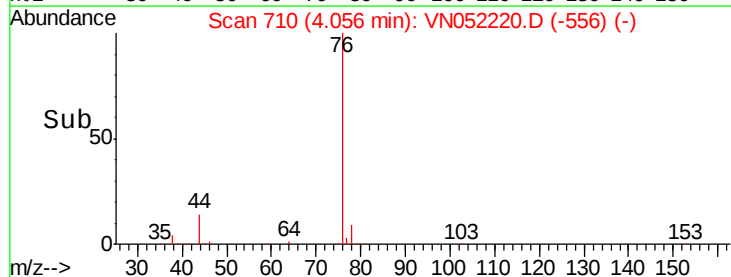
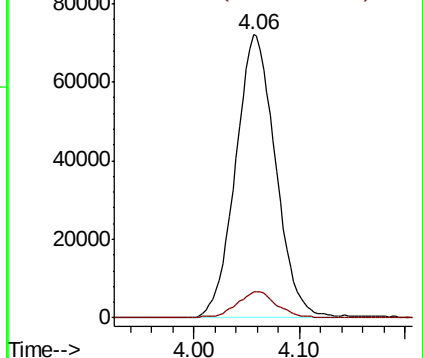
76 100

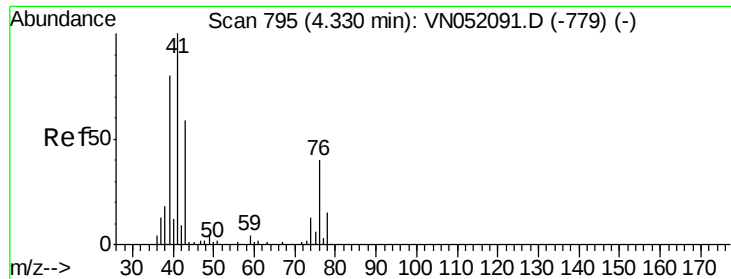
78 9.2 7.0 10.6



Abundance Ion 76.00 (75.70 to 76.70): VN052220.D (-556) (-)

Ion 78.00 (77.70 to 78.70): VN052220.D (-556) (-)





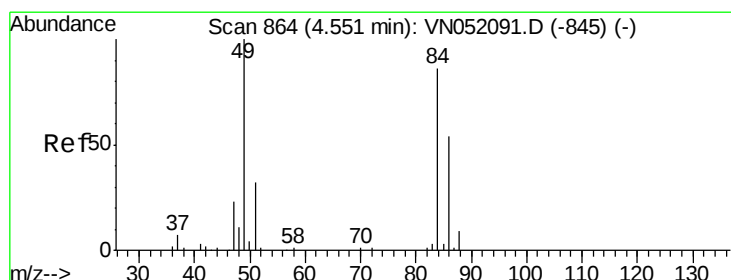
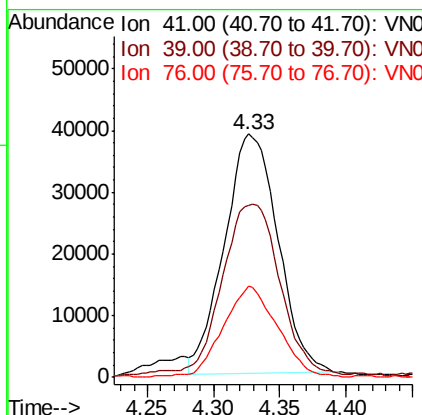
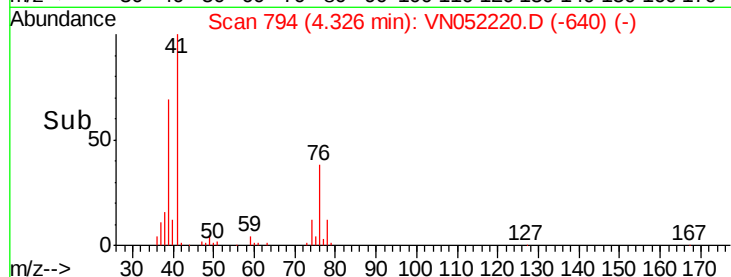
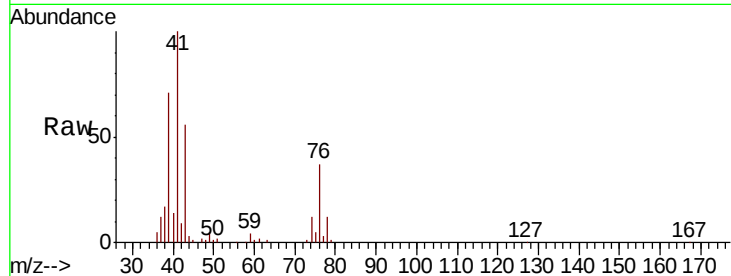
#17
Allvl chloride
Concen: 18.290 ug/l
RT: 4.33 min Scan# 794
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	70.5	38.4	115.1
76	37.7	18.8	56.3

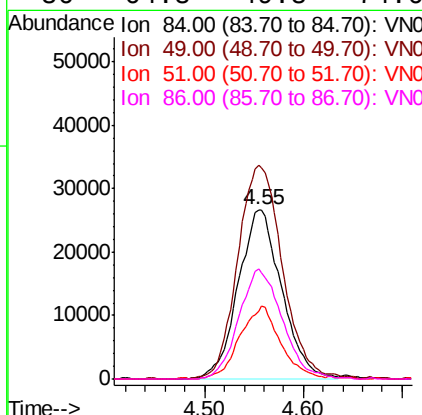
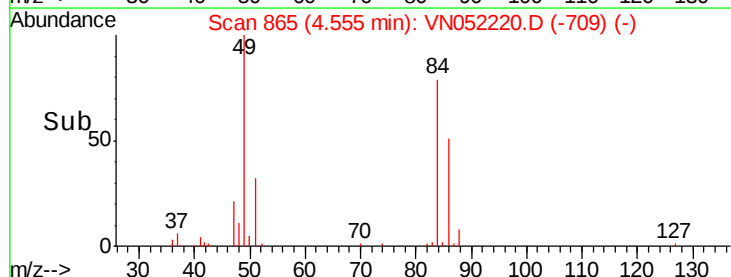
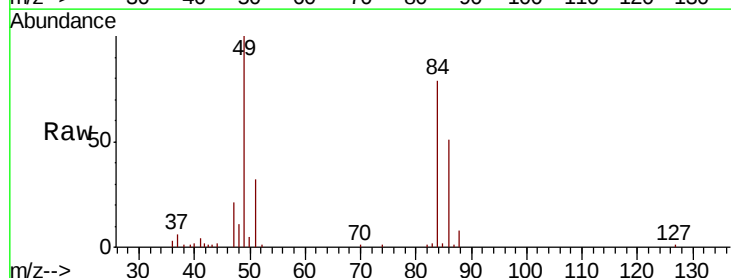
Manual Integrations
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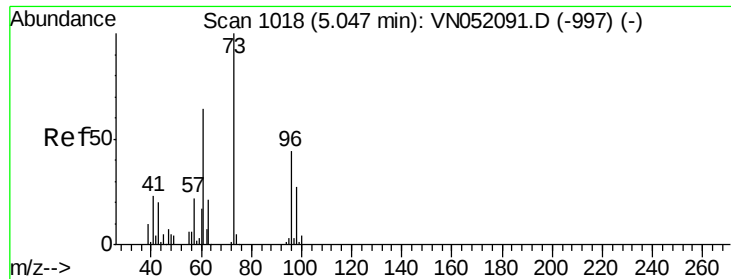
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#18
Methylene Chloride
Concen: 18.710 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.1	92.6	138.8
51	40.0	29.7	44.5
86	64.8	49.8	74.6





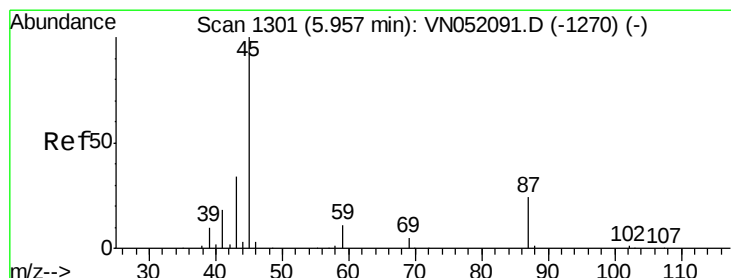
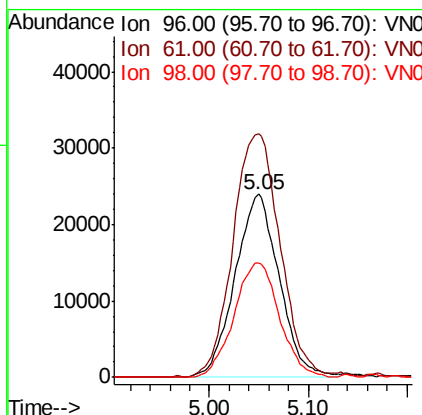
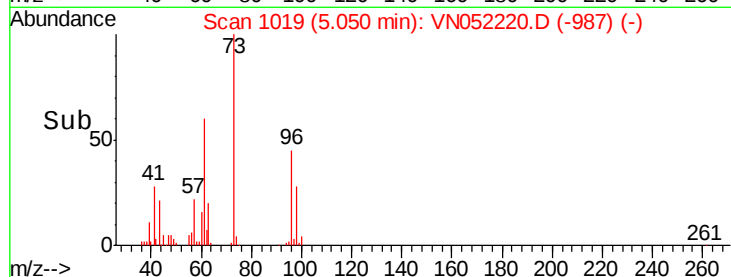
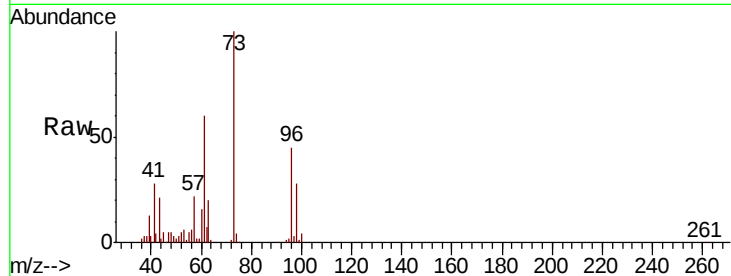
#19
trans-1,2-Dichloroethene
Concen: 19.288 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	132.8	117.8	176.6
98	62.7	49.3	73.9

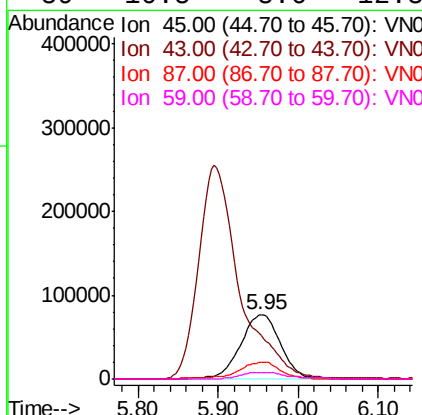
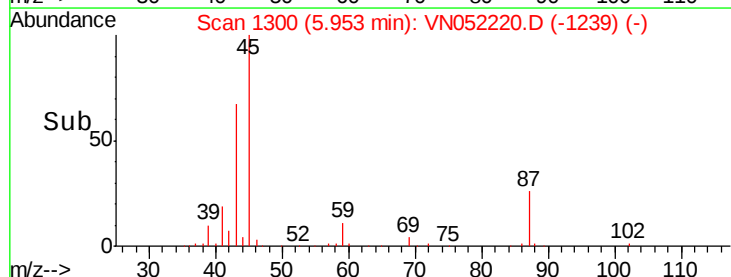
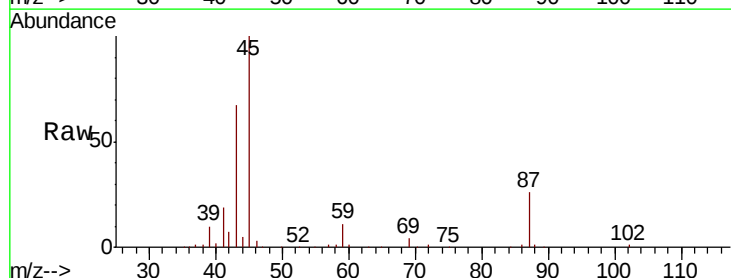
Manual Integrations
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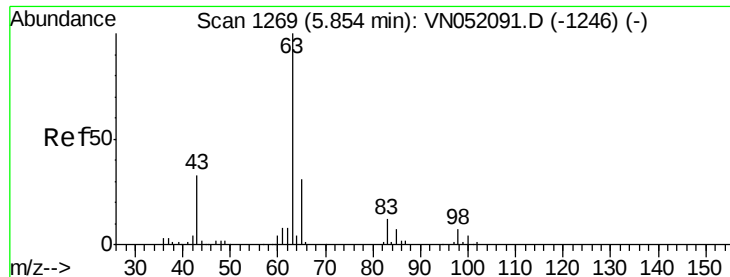
MMDadoda
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#20
Diisopropyl ether
Concen: 19.956 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
45	100		
43	65.2	49.4	74.0
87	25.4	20.3	30.5
59	10.5	8.6	12.8





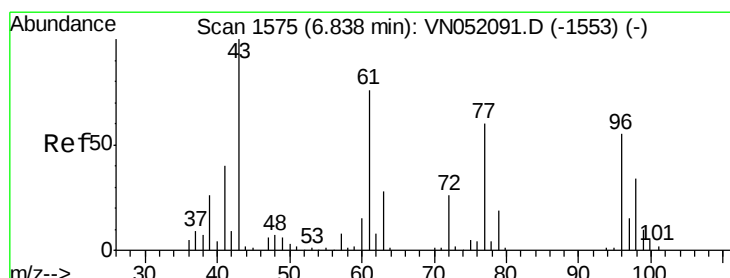
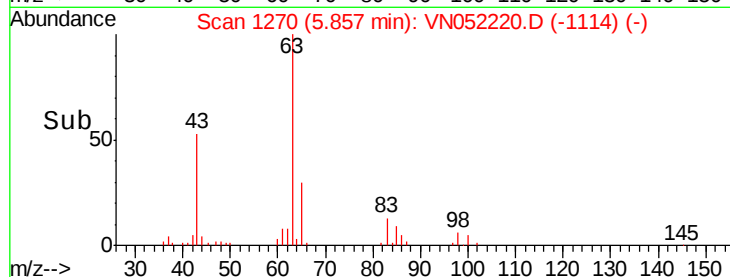
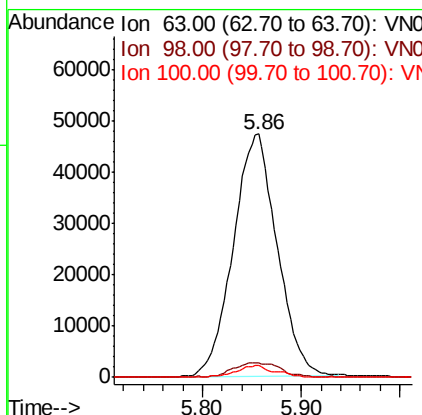
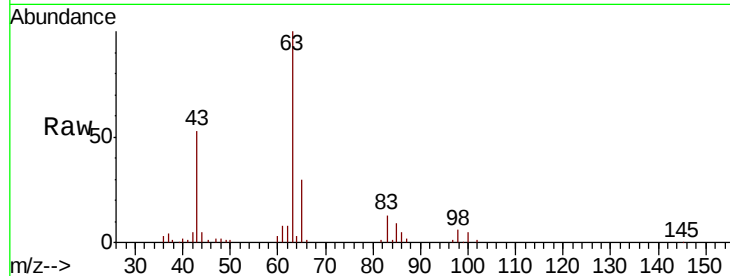
#21
 1,1-Dichloroethane
 Concen: 19.220 ug/l
 RT: 5.86 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
63	100	145881		
98	6.0		3.4	10.1
100	4.7		2.0	5.8

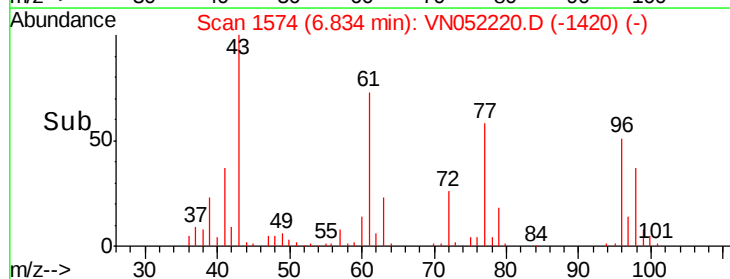
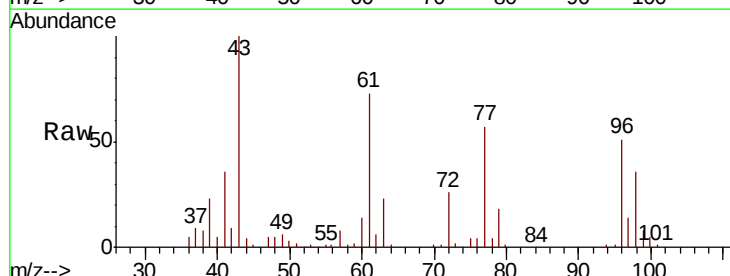
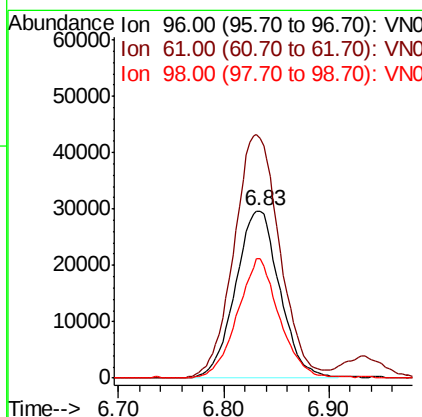
Manual Integrations
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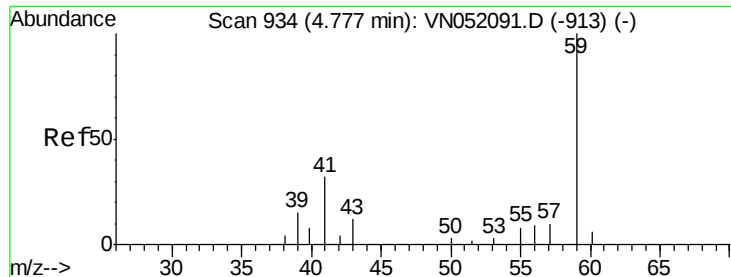
MMDadoda
 11/9/2018 11:49:22 AM



#22
 cis-1,2-Dichloroethene
 Concen: 19.223 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	86578		
61	150.3		117.6	176.4
98	67.4		51.0	76.4





#23

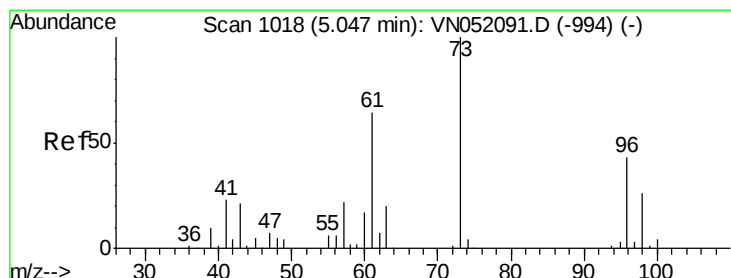
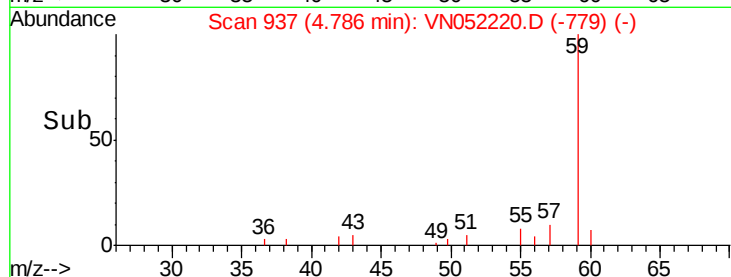
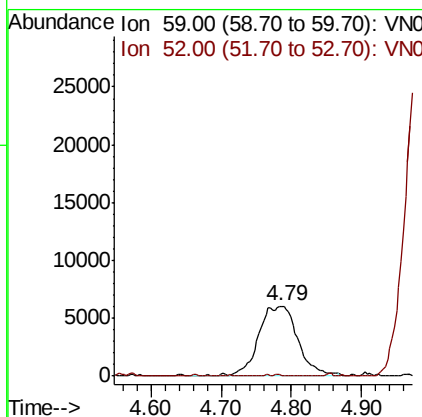
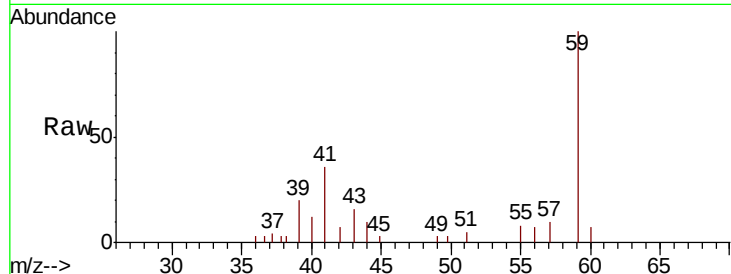
tert-Butyl Alcohol
 Concen: 115.294 ug/l
 RT: 4.79 min Scan# 937
 Delta R.T. 0.01 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	59	52	Ratio	100	0.3	Resp:	23603	Lower	Upper
Ion	59	52	Ratio	100	0.3	Resp:	23603	Lower	Upper

Manual Integrations
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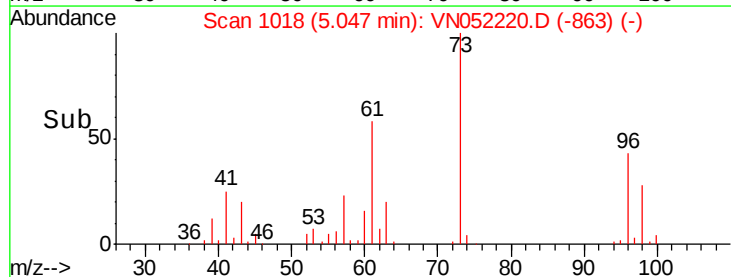
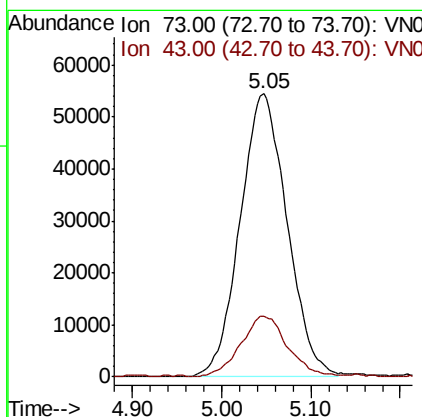
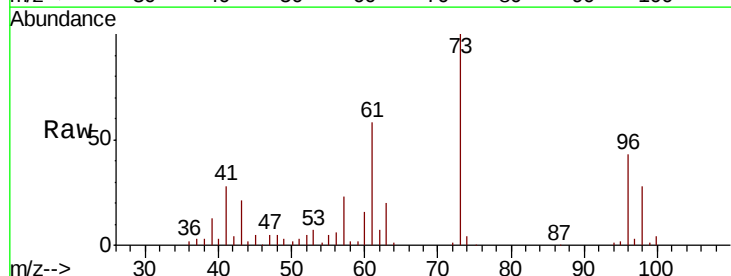
MMDadoda
 11/9/2018 11:49:22 AM

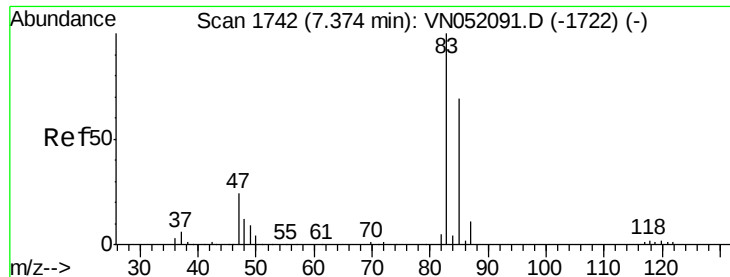


#24

Methyl tert-Butyl Ether
 Concen: 19.986 ug/l
 RT: 5.05 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	73	43	Ratio	100	21.3	Resp:	199448	Lower	Upper
Ion	73	43	Ratio	100	21.3	Resp:	199448	Lower	Upper





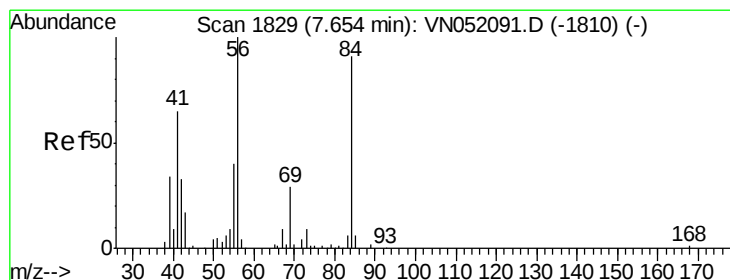
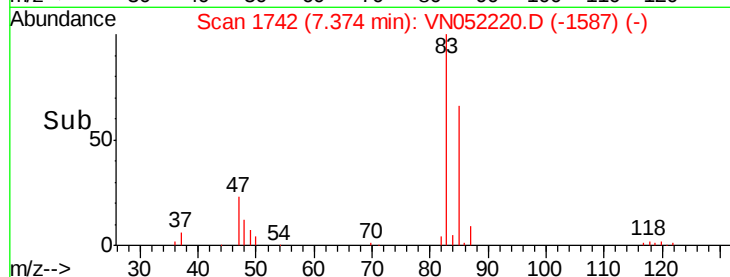
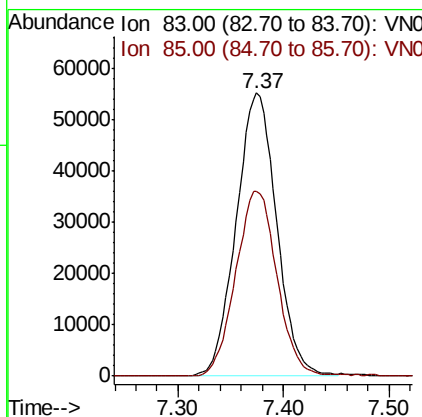
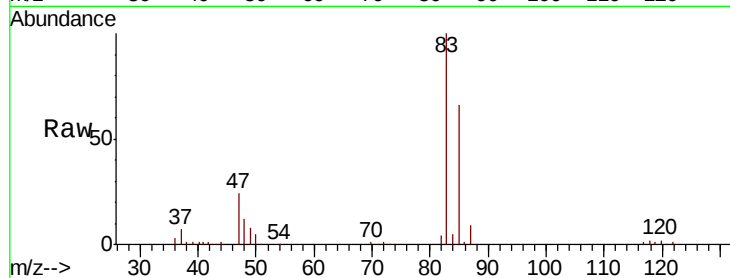
#25
Chloroform
Concen: 19.309 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	83	Resp	147153
Ion Ratio	100	Lower	Upper
83	100		
85	65.5	54.9	82.3

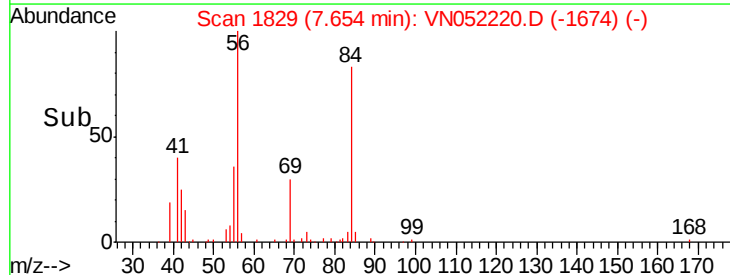
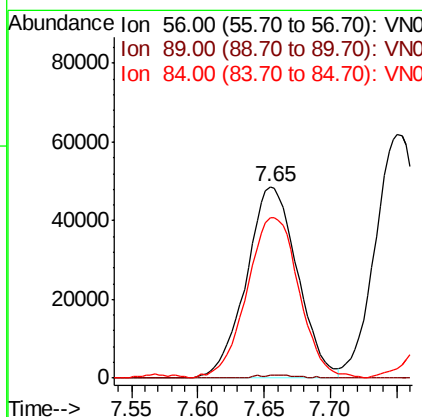
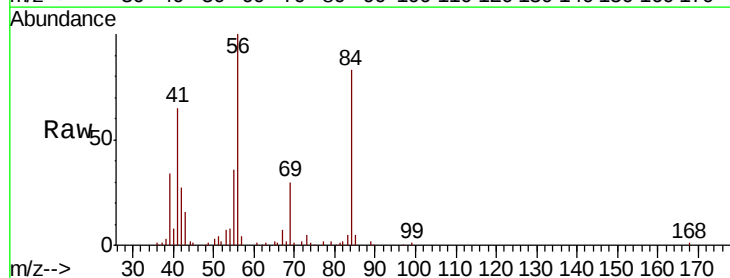
Manual Integrations
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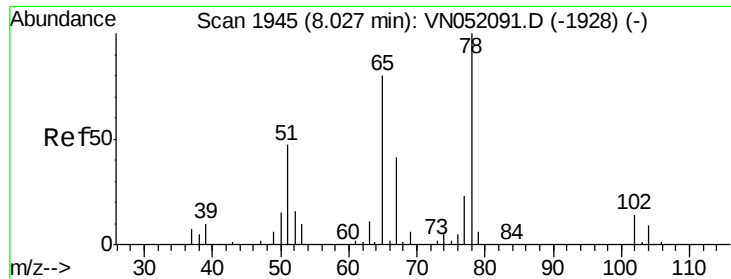
MMDadoda
11/9/2018 11:49:22 AM



#26
Cyclohexane
Concen: 19.240 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	56	Resp	130905
Ion Ratio	100	Lower	Upper
56	100		
89	0.9	2.2	3.2#
84	85.1	71.0	106.6





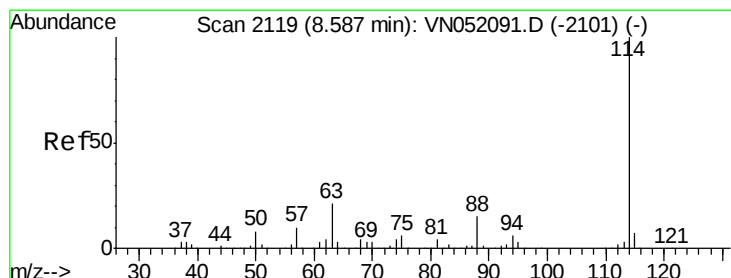
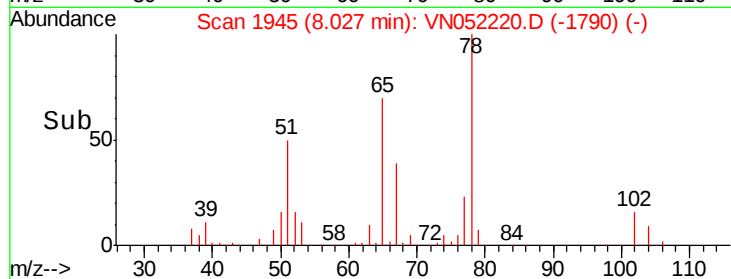
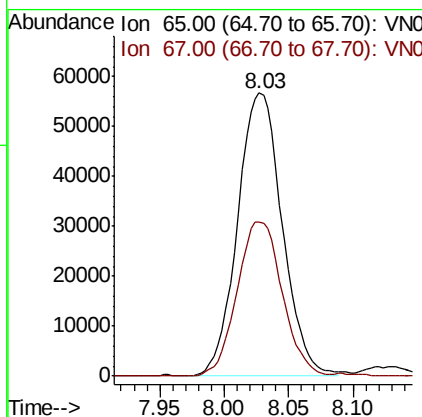
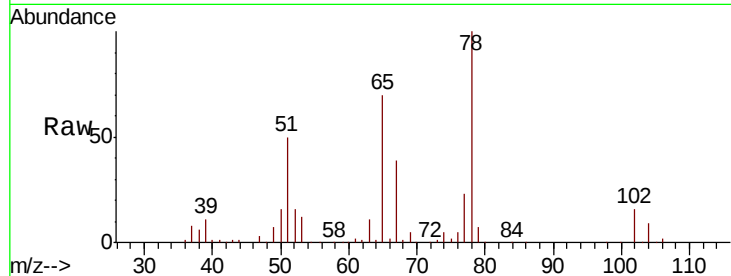
#27
 1,2-Dichloroethane-d4
 Concen: 19.240 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.9	42.6	64.0

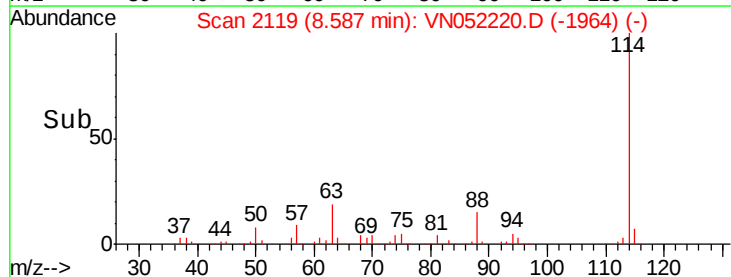
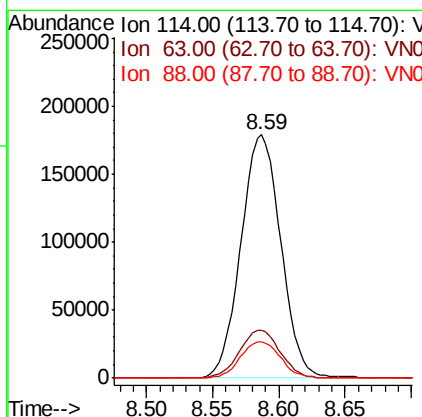
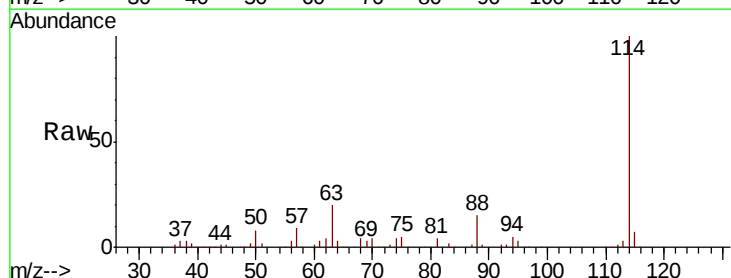
Manual Integrations
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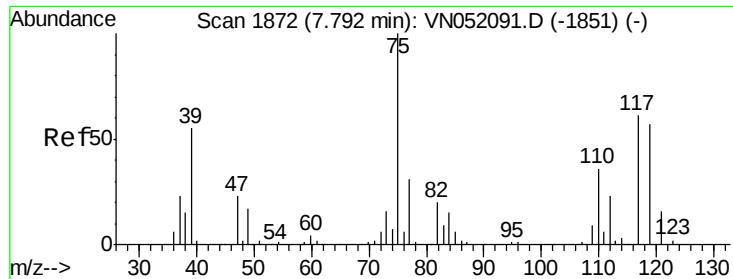
MMDadoda
 11/9/2018 11:49:22 AM



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.0	17.5	26.3
88	14.9	12.6	18.8





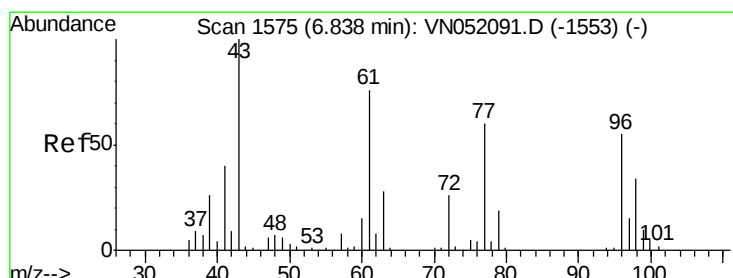
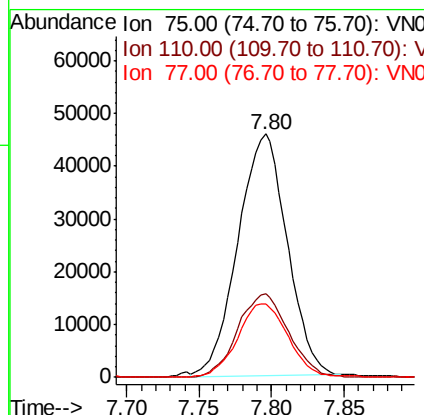
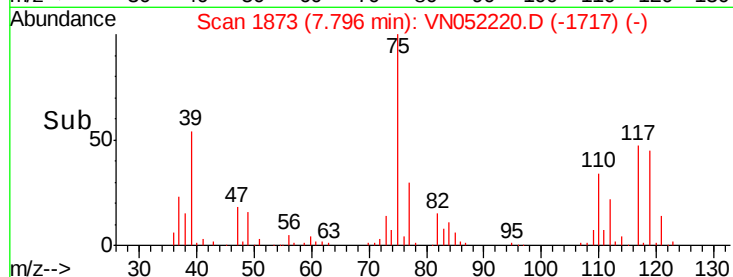
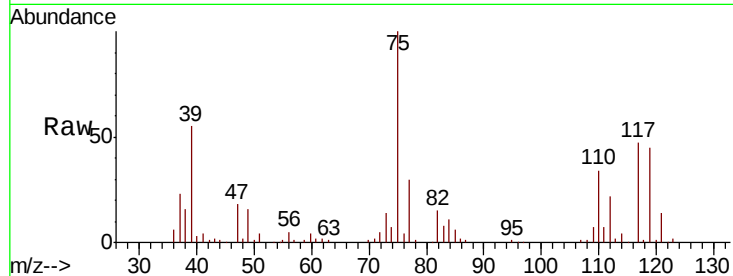
#29
 1,1-Dichloropropene
 Concen: 18.130 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
75	100			
110	35.7	0.0	67.6	
77	31.2	0.0	60.2	

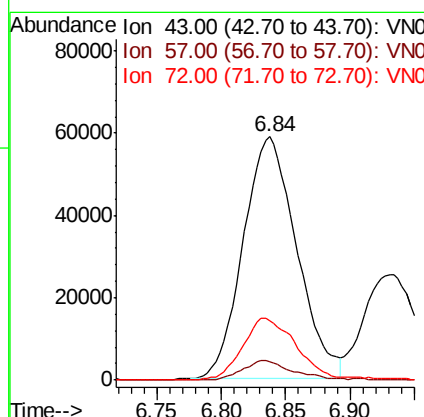
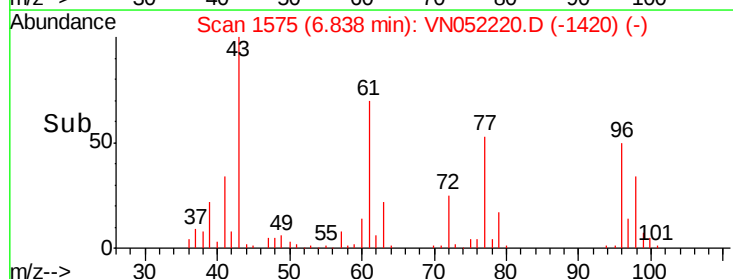
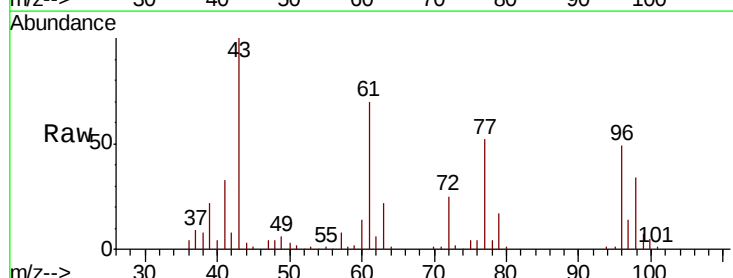
Manual Integrations
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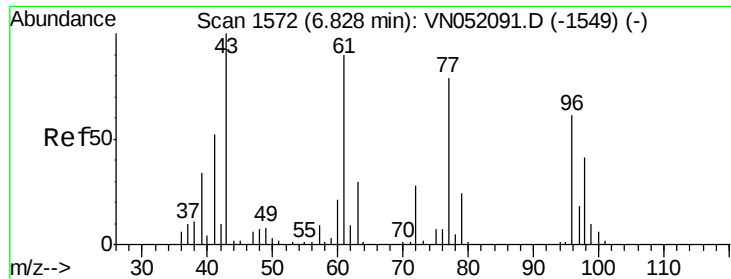
MMDadoda
 11/9/2018 11:49:22 AM



#30
 2-Butanone
 Concen: 107.046 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
57	7.3	6.6	9.8	
72	25.3	9.2	13.8	





#31

2,2-Dichloropropane

Concen: 18.050 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 77 Resp: 110986

Ion Ratio Lower Upper

77 100

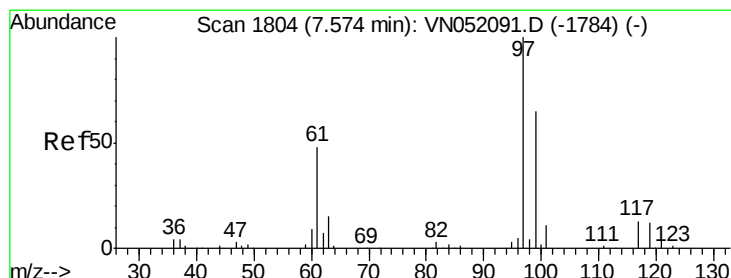
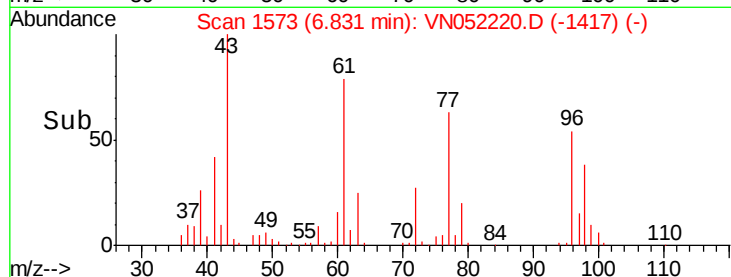
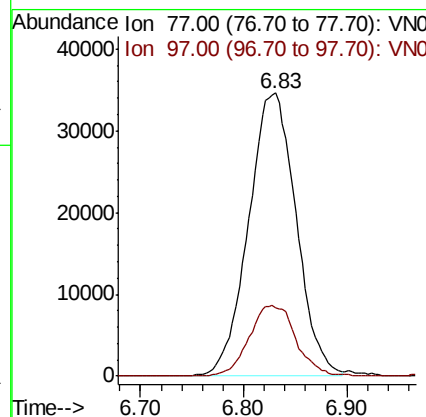
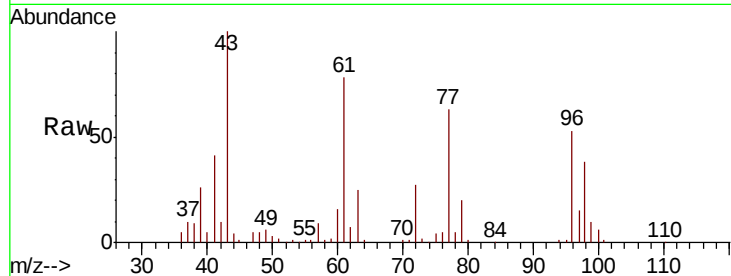
97 24.4 18.2 27.2

Manual Integrations

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11/9/2018 11:49:22 AM



#32

1,1,1-Trichloroethane

Concen: 18.951 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

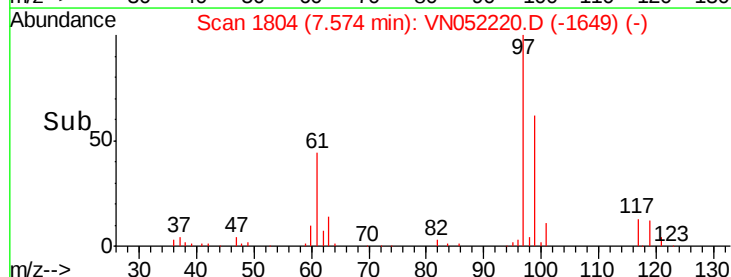
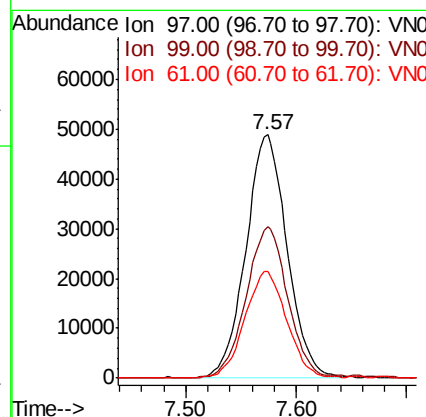
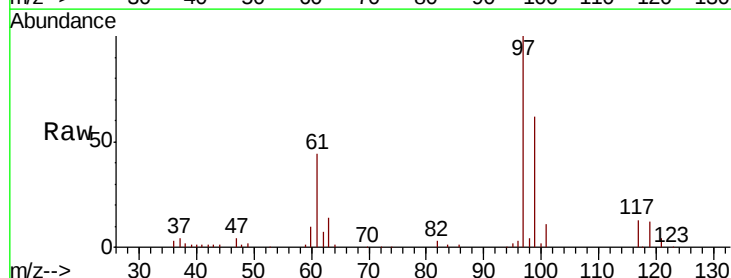
Tgt Ion: 97 Resp: 126564

Ion Ratio Lower Upper

97 100

99 62.6 51.7 77.5

61 44.6 38.7 58.1





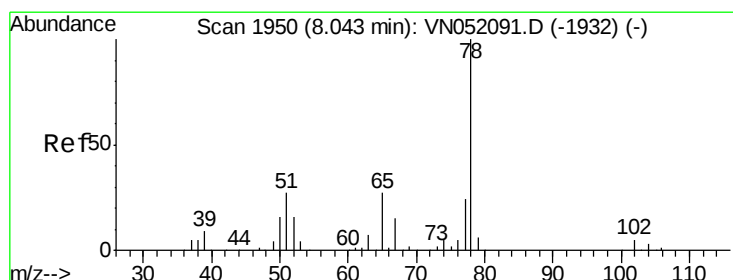
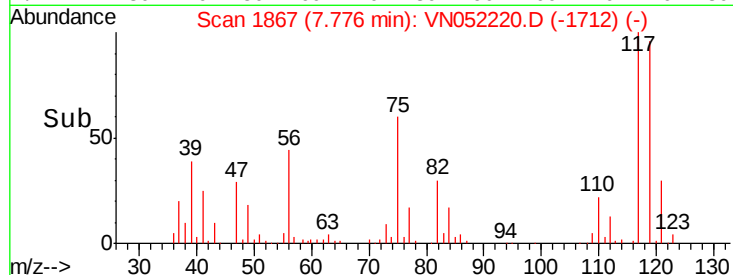
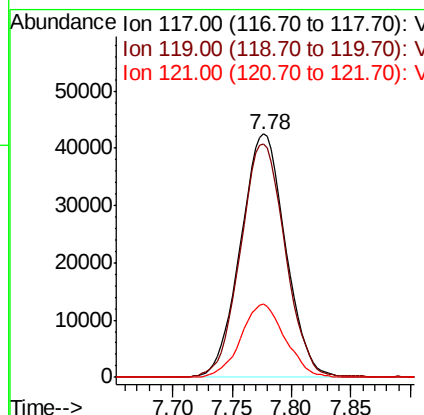
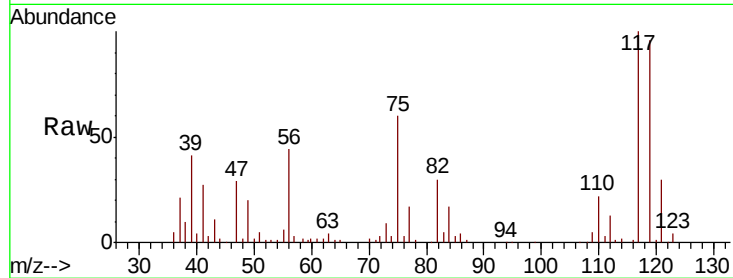
#33
Carbon Tetrachloride
Concen: 18.733 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.0	74.7	112.1
121	30.0	23.4	35.0

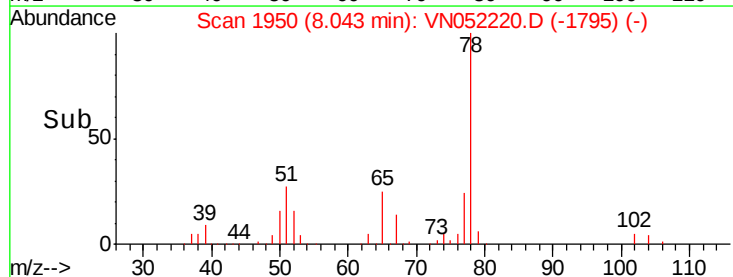
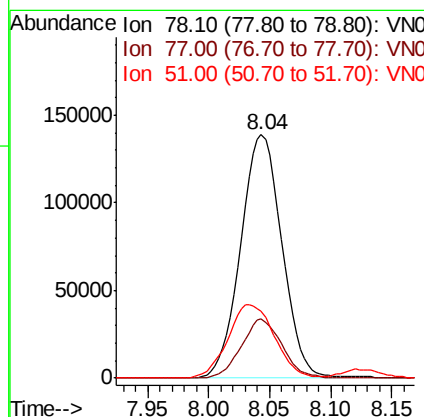
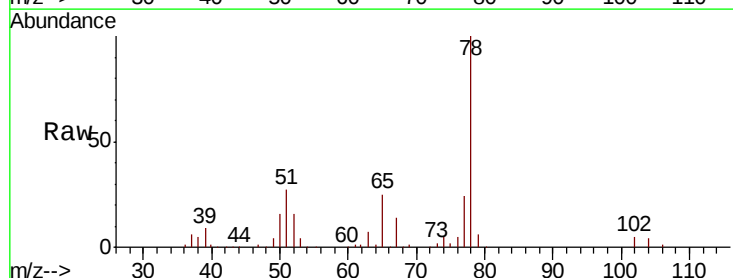
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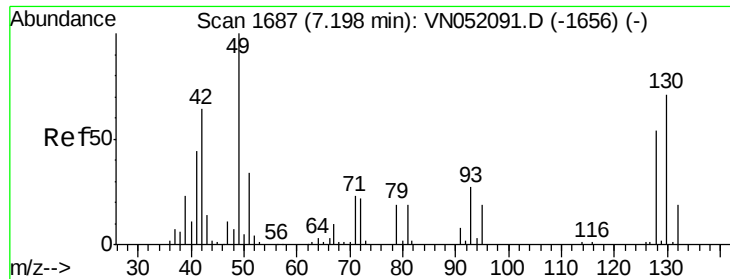
MMDadoda
11/9/2018 11:49:22 AM



#34
Benzene
Concen: 18.586 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.1	28.7
51	27.1	21.2	31.8





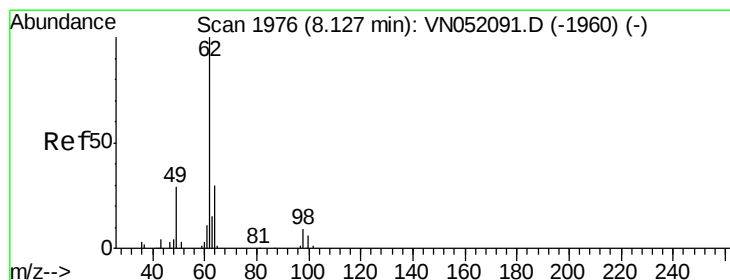
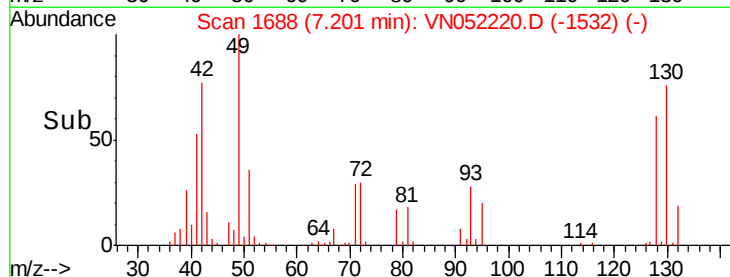
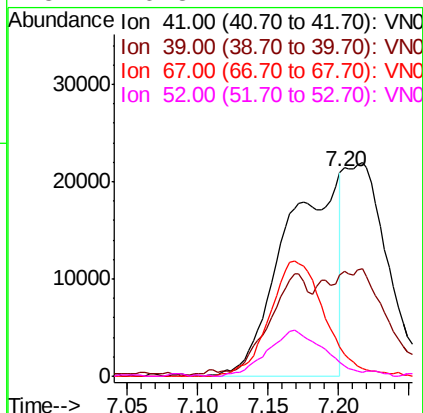
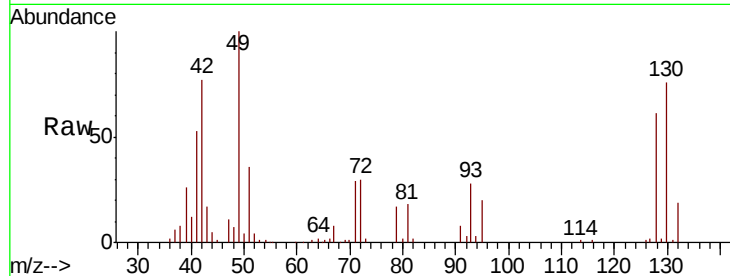
#35
Methacrylonitrile
Concen: 26.192 ug/l m
RT: 7.20 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	49.6	26.1	78.3
67	14.2	11.0	33.0
52	6.8	4.7	14.1

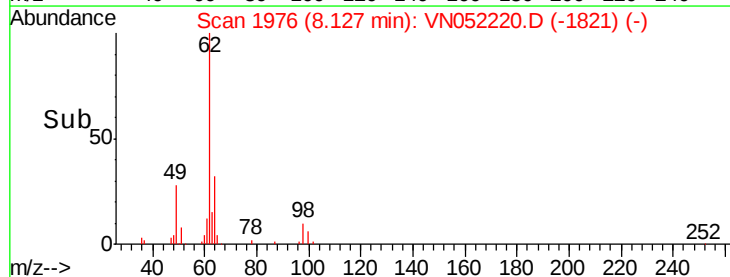
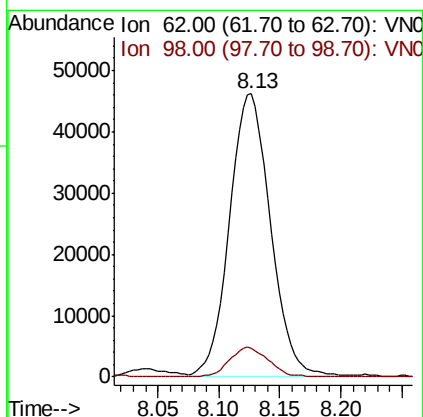
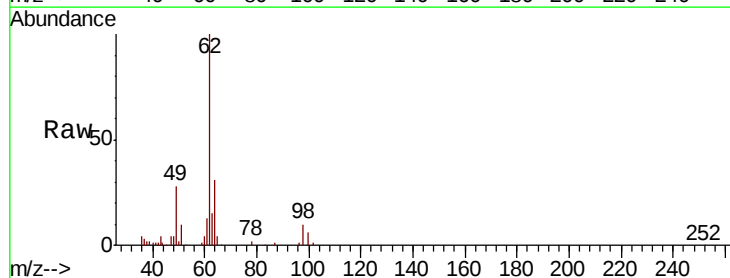
Manual Integrations
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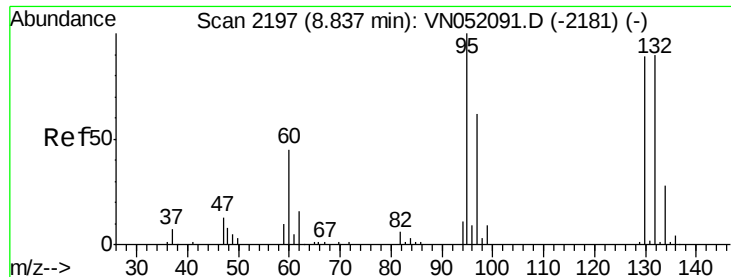
MMDadoda
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#36
1,2-Dichloroethane
Concen: 18.483 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	6.7	10.1





#37

Trichloroethene

Concen: 19.597 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion:130 Resp: 85725

Ion Ratio Lower Upper

130 100

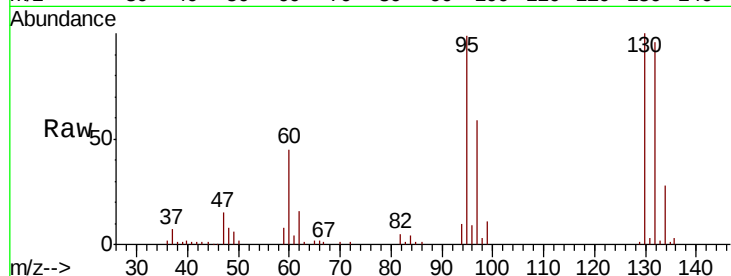
95 99.0 89.9 134.9

Manual Integrations

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Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.83

40000

30000

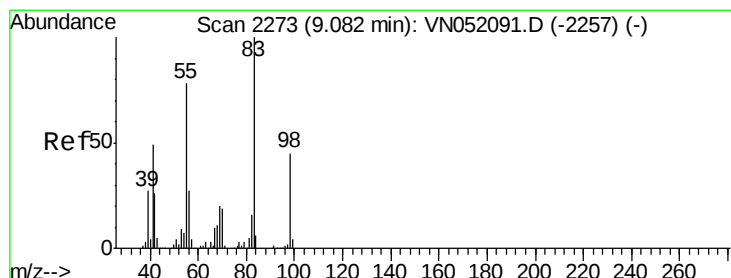
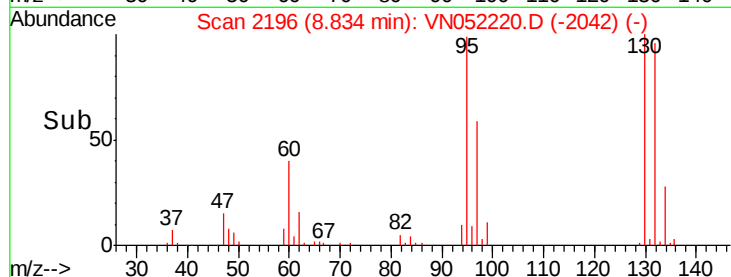
20000

10000

0

Time-->

8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 17.912 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

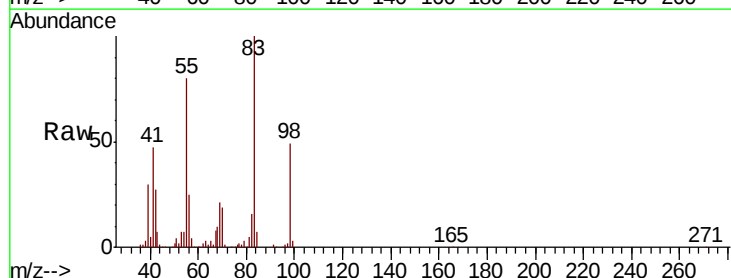
Tgt Ion: 83 Resp: 130426

Ion Ratio Lower Upper

83 100

55 76.7 38.5 115.3

98 47.5 23.2 69.6



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.08

80000

60000

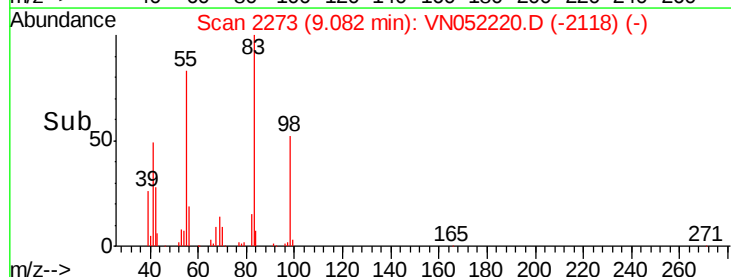
40000

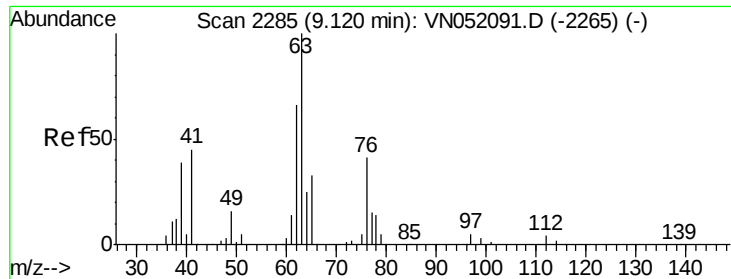
20000

0

Time-->

9.00 9.05 9.10 9.15





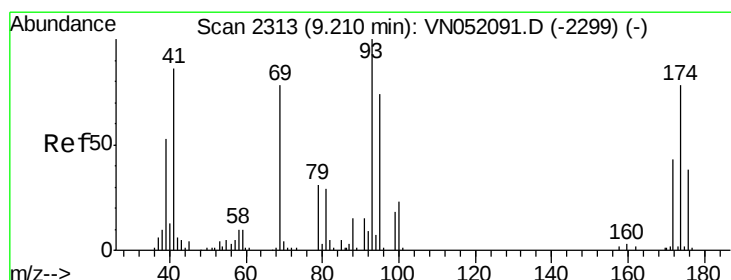
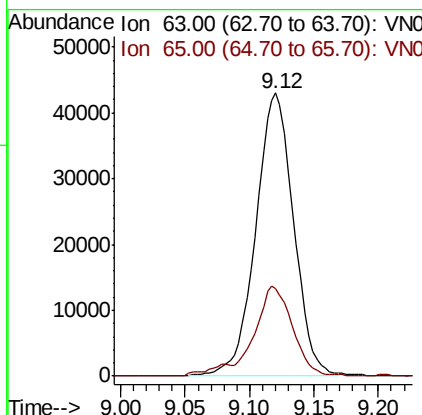
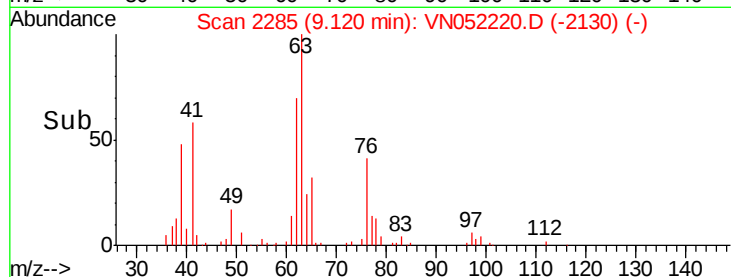
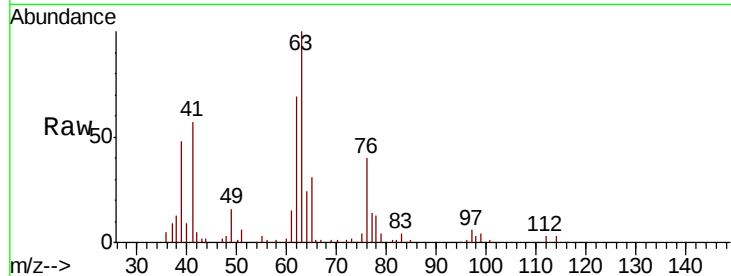
#39
 1,2-Dichloropropane
 Concen: 18.911 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion: 63 Resp: 87981
 Ion Ratio Lower Upper
 63 100
 65 30.0 27.3 40.9

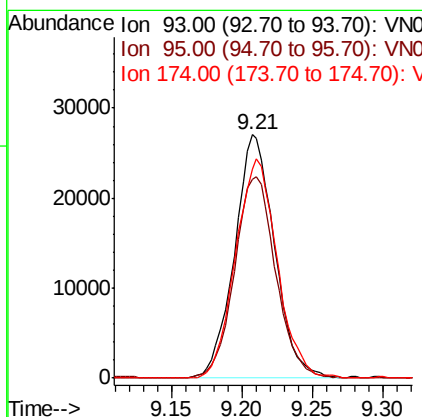
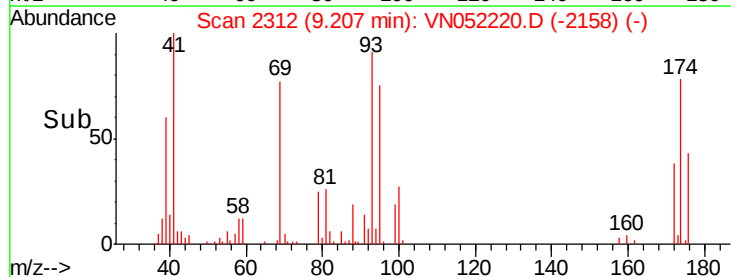
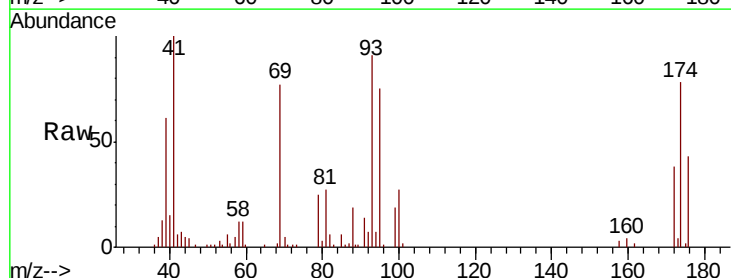
Manual Integrations
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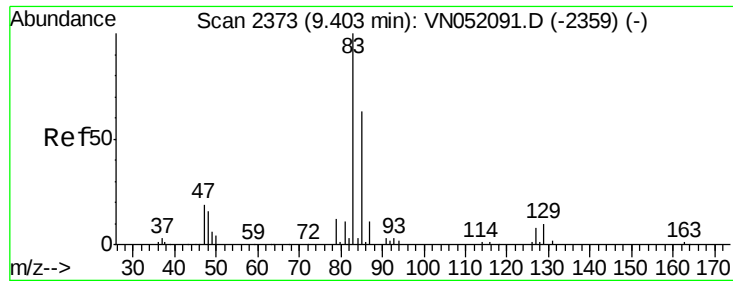
MMDadoda
 11/9/2018 11:49:22 AM



#40
 Dibromomethane
 Concen: 18.743 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion: 93 Resp: 53749
 Ion Ratio Lower Upper
 93 100
 95 85.1 0.0 161.2
 174 93.1 0.0 165.0





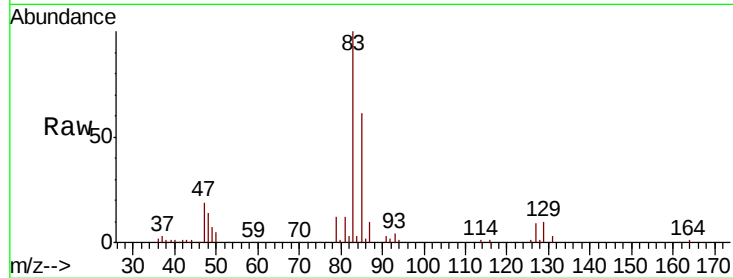
#41
Bromodichloromethane
Concen: 19.005 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	83	Resp	111510
Ion Ratio	100	Lower	Upper
83	100		
85	61.2	50.2	75.2
127	8.5	6.6	10.0

Manual Integrations
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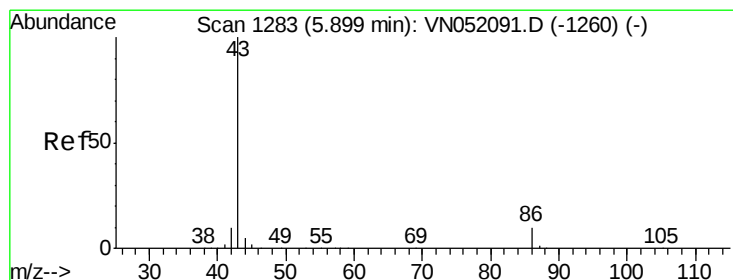
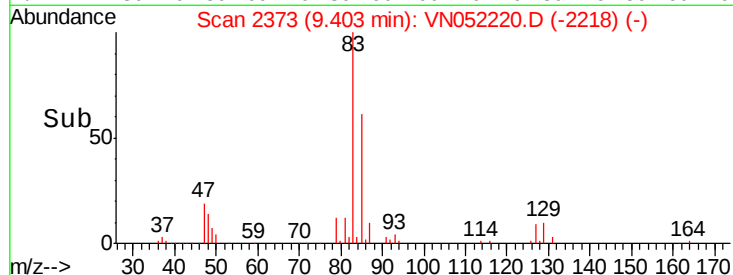
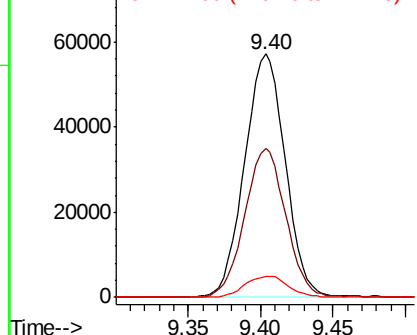
MMDadoda
11/9/2018 11:49:22 AM



Abundance Ion 83.00 (82.70 to 83.70): VN052091.D (-2359) (-)

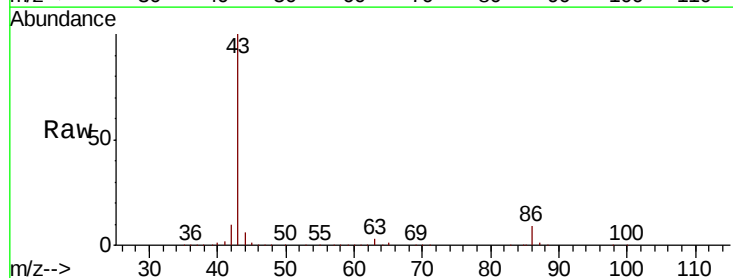
Ion 85.00 (84.70 to 85.70): VN052091.D (-2359) (-)

Ion 127.00 (126.70 to 127.70): VN052091.D (-2359) (-)



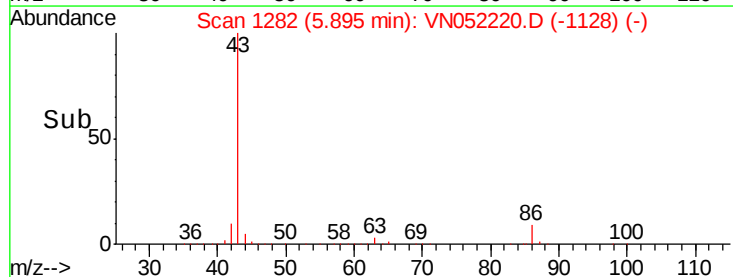
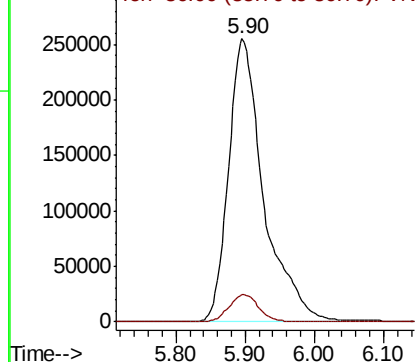
#42
Vinyl Acetate
Concen: 97.241 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

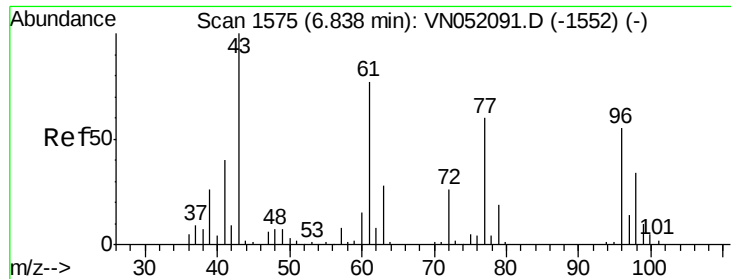
Tgt Ion	43	Resp	904916
Ion Ratio	100	Lower	Upper
43	100		
86	0.0	6.6	10.0#



Abundance Ion 43.00 (42.70 to 43.70): VN052091.D (-1260) (-)

Ion 86.00 (85.70 to 86.70): VN052091.D (-1260) (-)





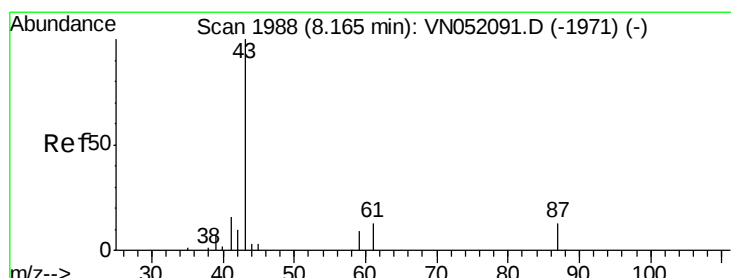
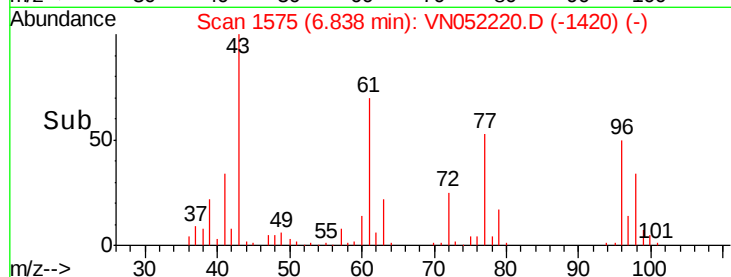
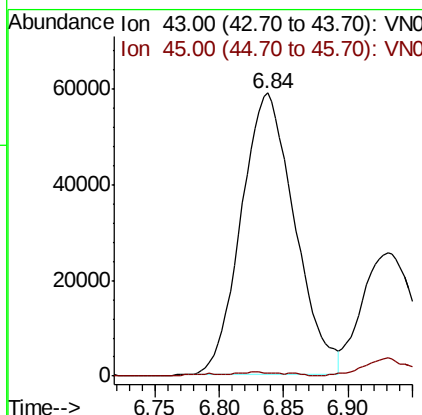
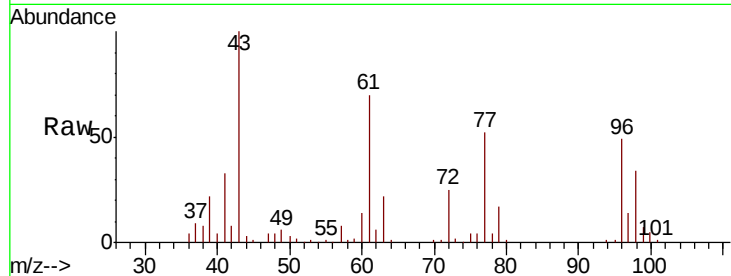
#43
Ethyl Acetate
Concen: 21.300 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion: 43 Resp: 170162
Ion Ratio Lower Upper
43 100
45 0.3 3.8 5.8#

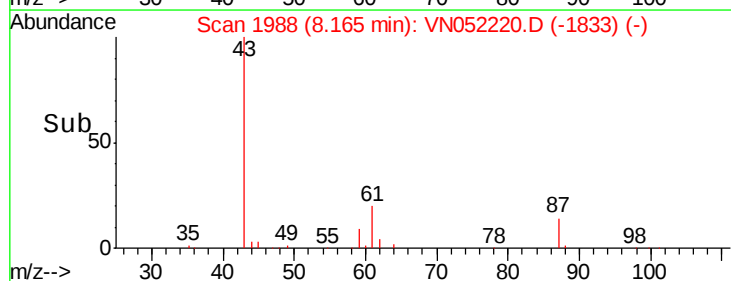
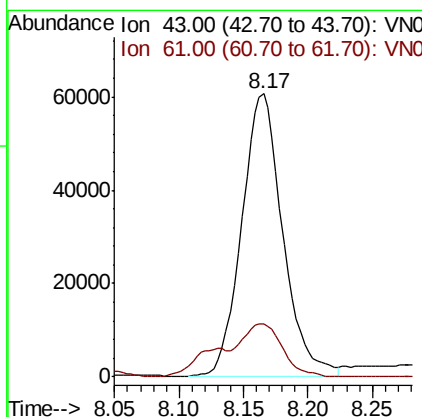
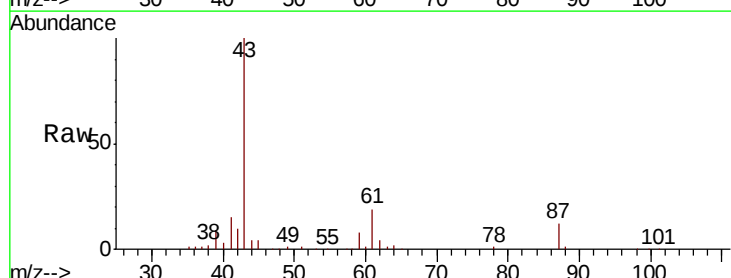
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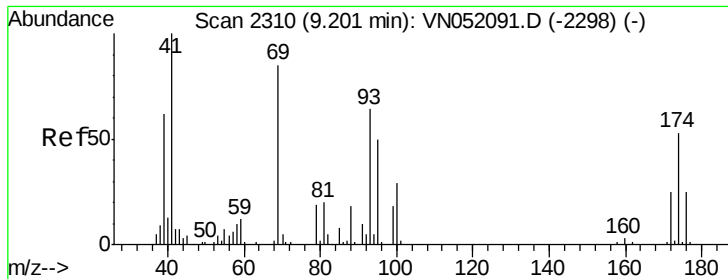
MMDadoda
11/9/2018 11:49:22 AM



#44
Isopropyl Acetate
Concen: 20.426 ug/l
RT: 8.17 min Scan# 1988
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion: 43 Resp: 135104
Ion Ratio Lower Upper
43 100
61 18.9 16.2 24.2





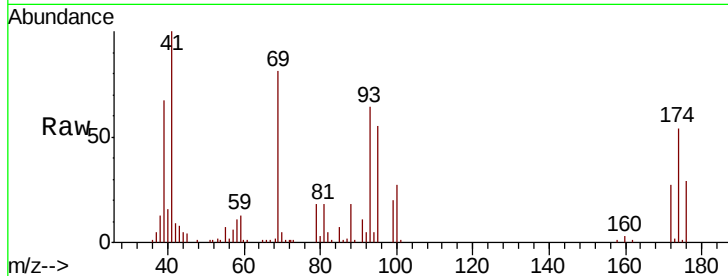
#45
 1,4-Dioxane
 Concen: 447.616 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

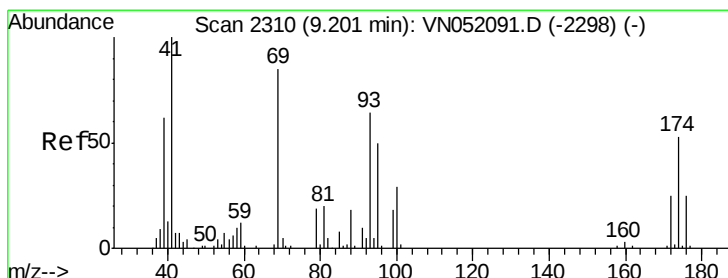
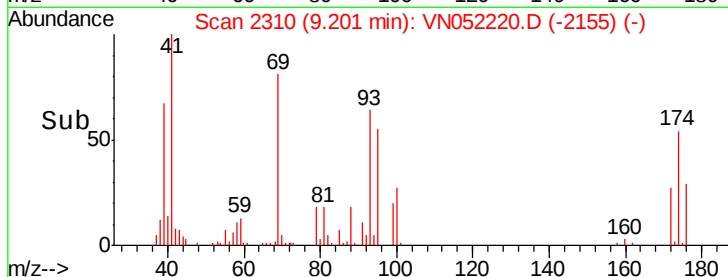
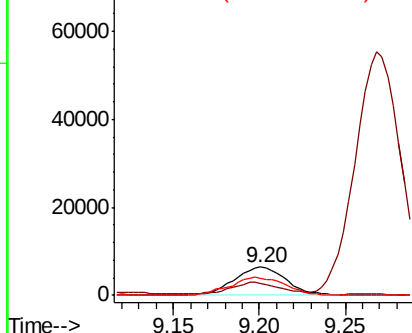
Tot Ion	Ratio	Lower	Upper
88	100		
43	37.2	28.6	43.0
58	68.1	37.8	56.8#

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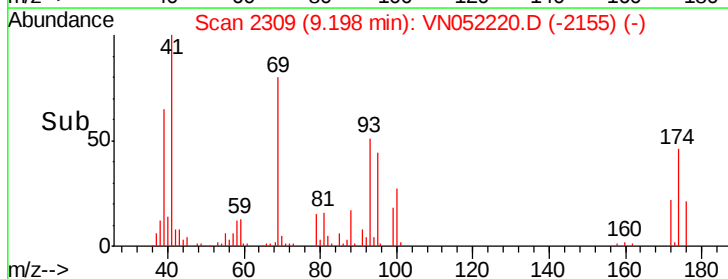
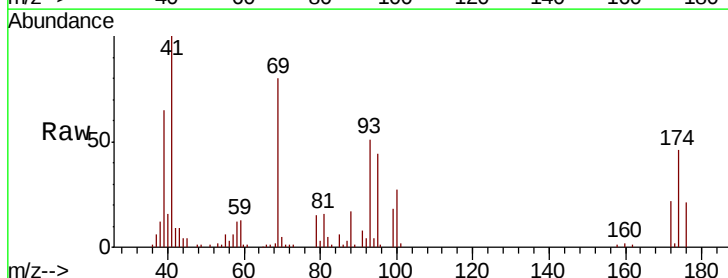
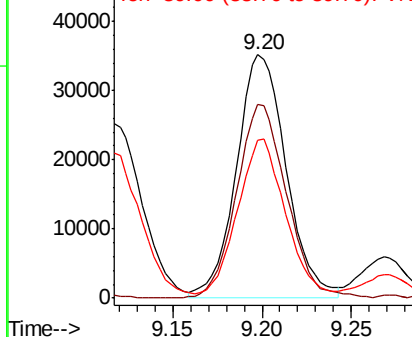
Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

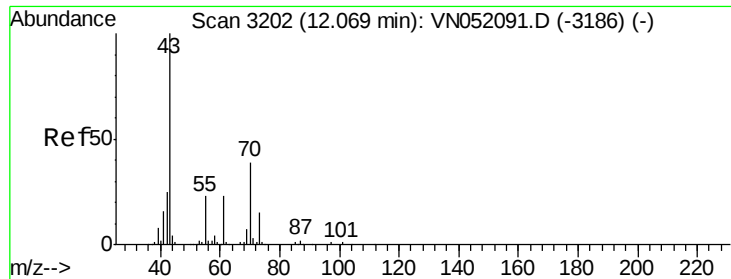


#46
 Methyl methacrylate
 Concen: 20.698 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
41	100		
69	81.1	42.5	127.6
39	64.3	31.1	93.3

Abundance Ion 41.00 (40.70 to 41.70): VN0
 Ion 69.00 (68.70 to 69.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#47

n-amvl Acetate

Concen: 19.189 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 43 Resp: 115048

Ion Ratio Lower Upper

43 100

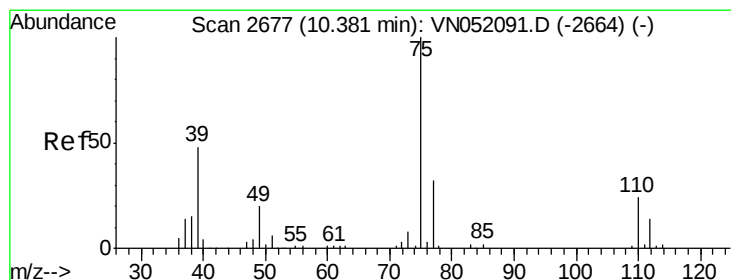
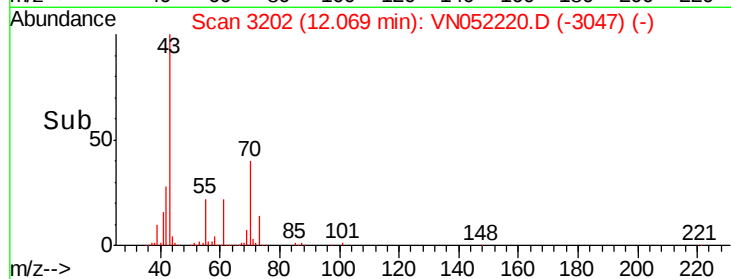
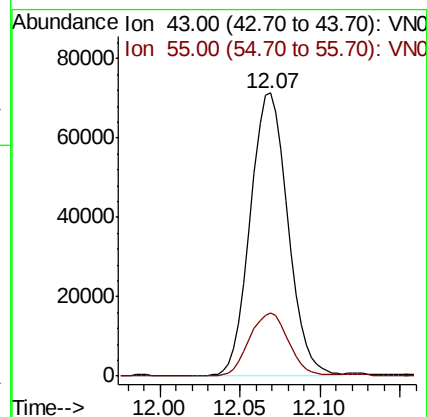
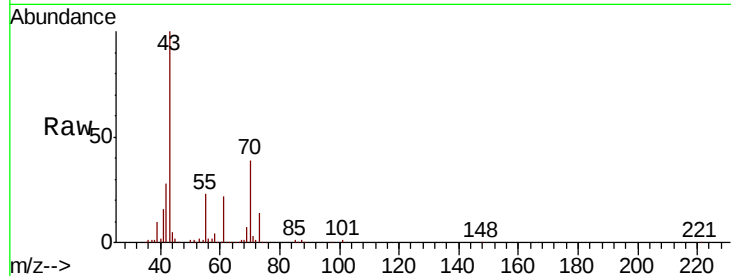
55 23.3 0.0 0.0#

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#48

t-1,3-Dichloropropene

Concen: 18.103 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN052220.D

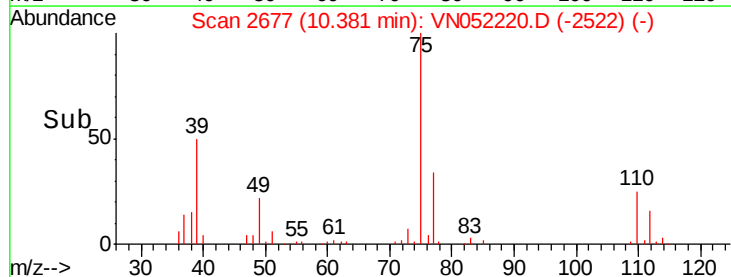
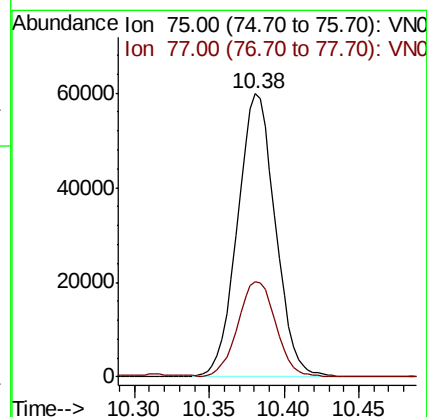
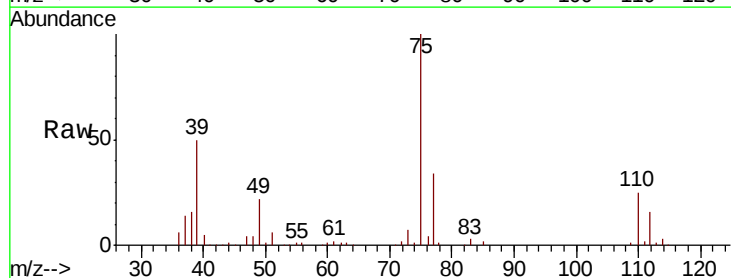
Acq: 8 Nov 2018 13:45

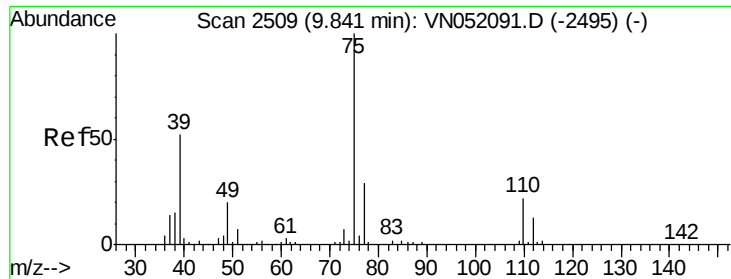
Tgt Ion: 75 Resp: 105477

Ion Ratio Lower Upper

75 100

77 33.7 26.3 39.5





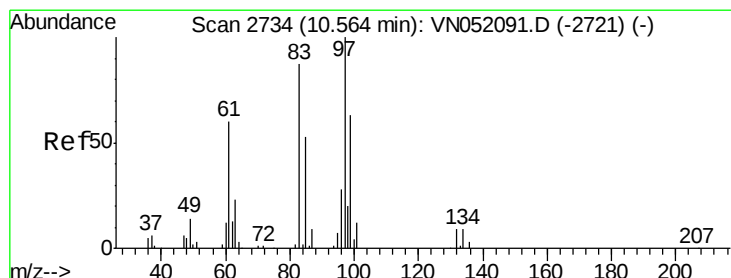
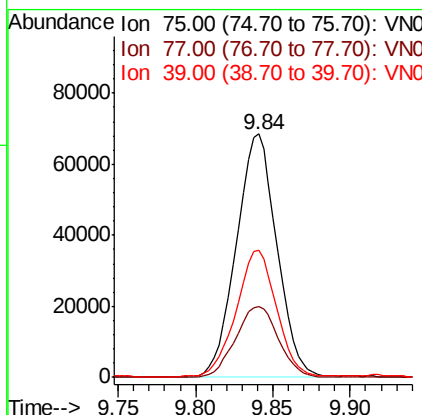
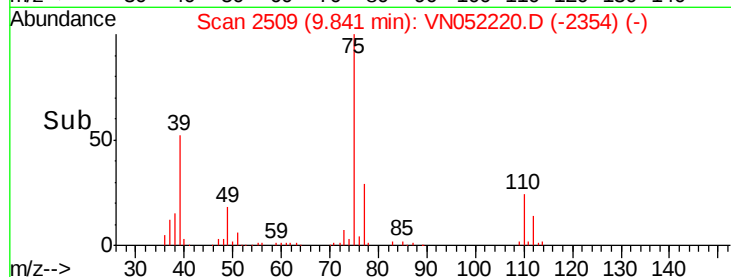
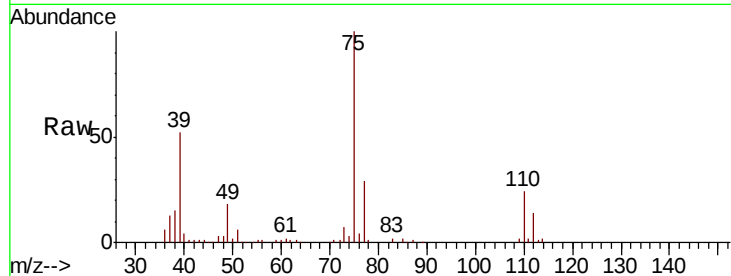
#49
 cis-1,3-Dichloropropene
 Concen: 18.570 ug/l
 RT: 9.84 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.9	23.3	34.9
39	51.8	41.6	62.4

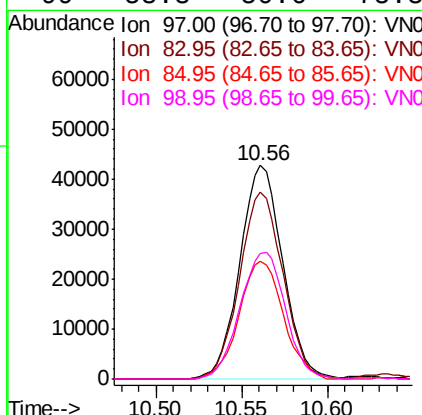
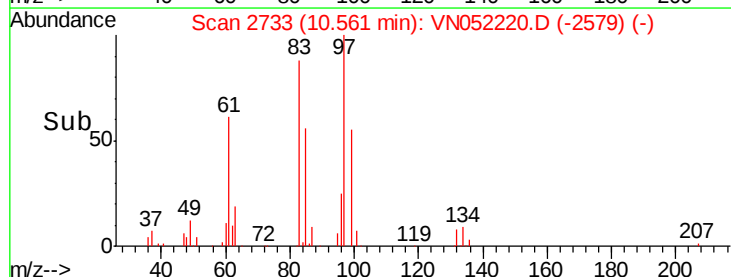
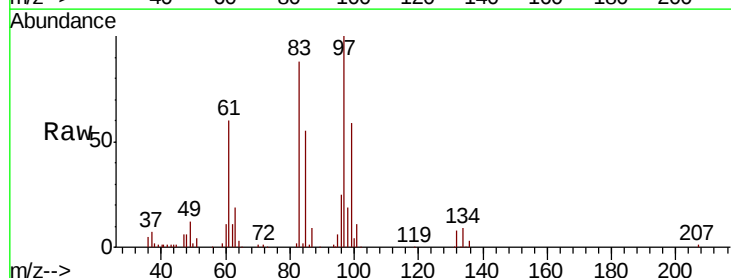
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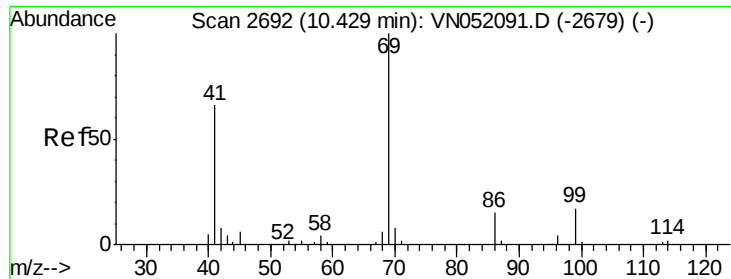
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#50
 1,1,2-Trichloroethane
 Concen: 19.529 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.6	69.4	104.0
85	55.0	42.7	64.1
99	58.8	50.6	75.8





#51

Ethyl methacrylate

Concen: 19.046 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

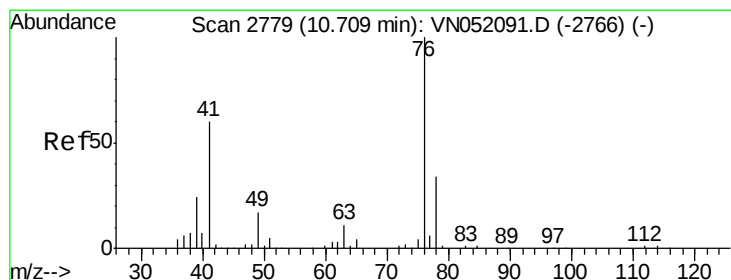
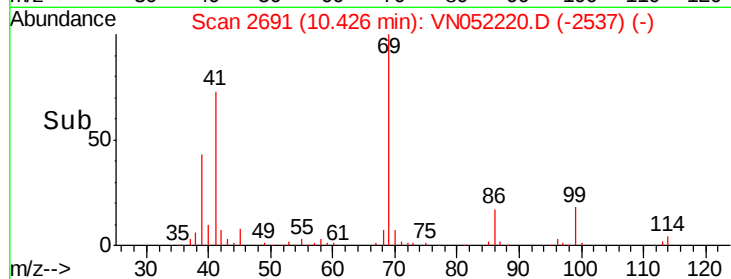
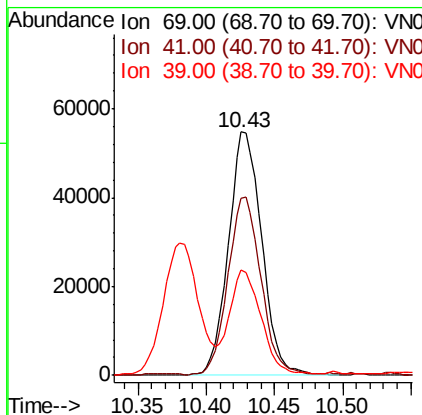
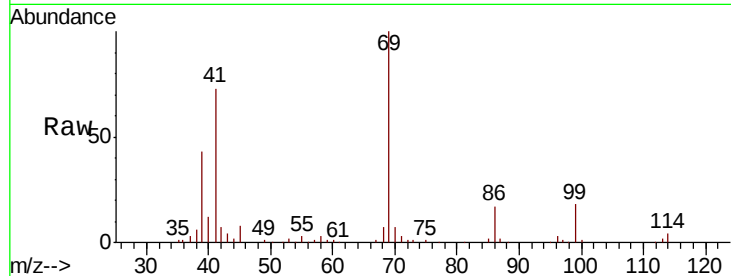
ClientSampleId :

VN1108WBSD02

Tot Ion:	69	Resp:	93343
Ion	Ratio	Lower	Upper
69	100		
41	72.4	33.0	99.0
39	42.0	20.7	62.1

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#52

1,3-Dichloropropane

Concen: 19.436 ug/l

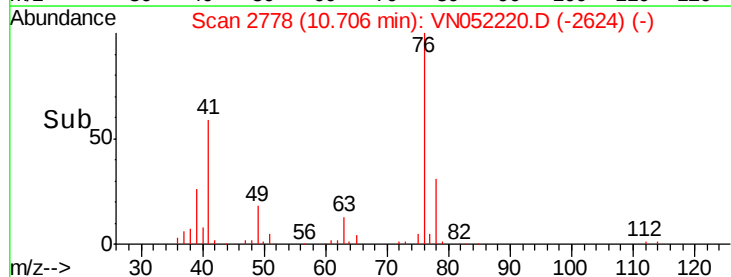
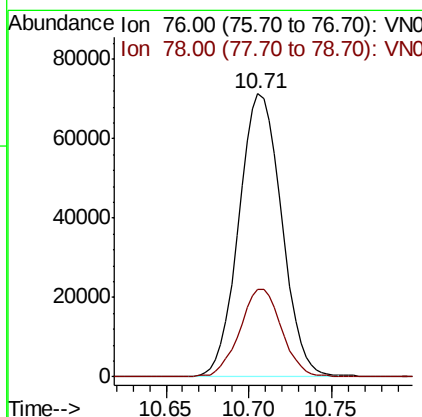
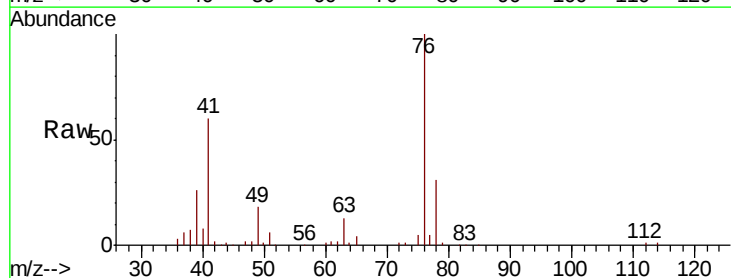
RT: 10.71 min Scan# 2778

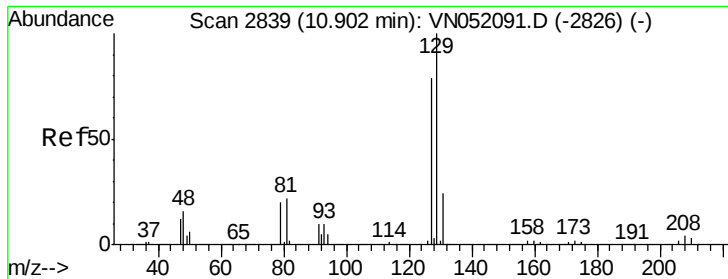
Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Tgt Ion:	76	Resp:	128383
Ion	Ratio	Lower	Upper
76	100		
78	30.3	0.0	65.0





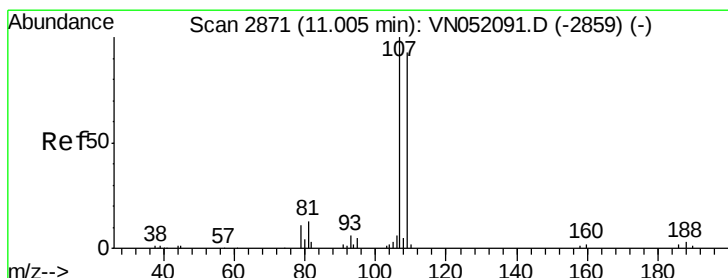
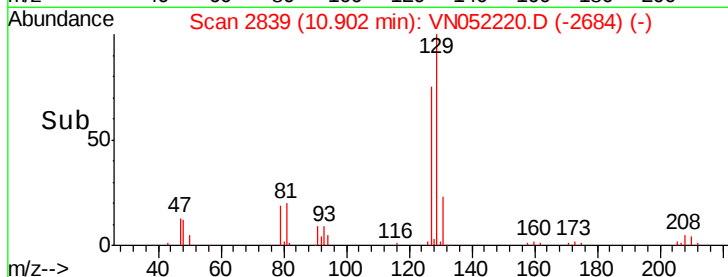
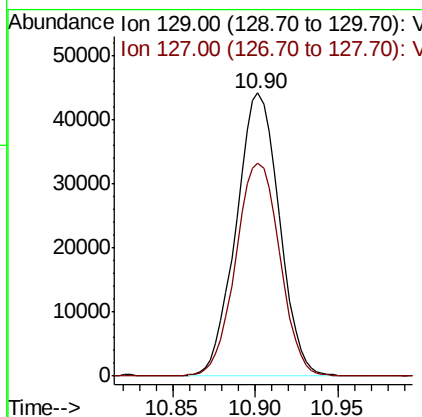
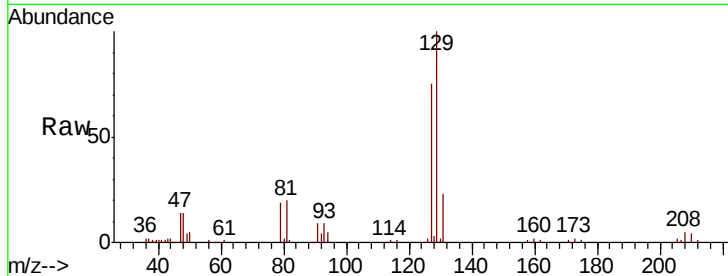
#53
Dibromochloromethane
Concen: 19.547 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion:129 Resp: 80025
Ion Ratio Lower Upper
129 100
127 76.9 39.2 117.6

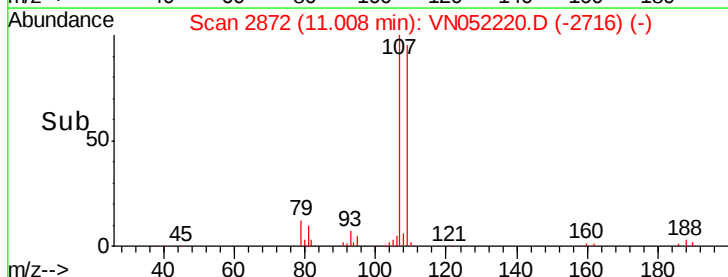
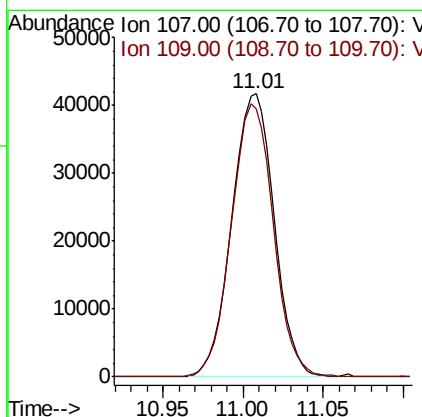
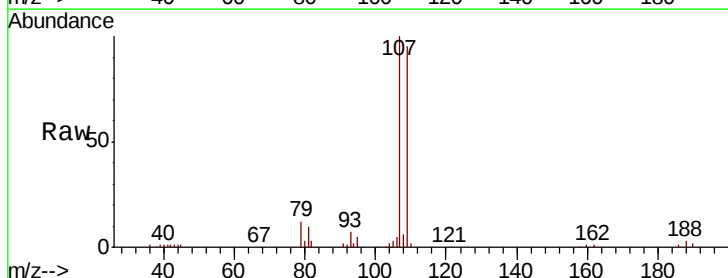
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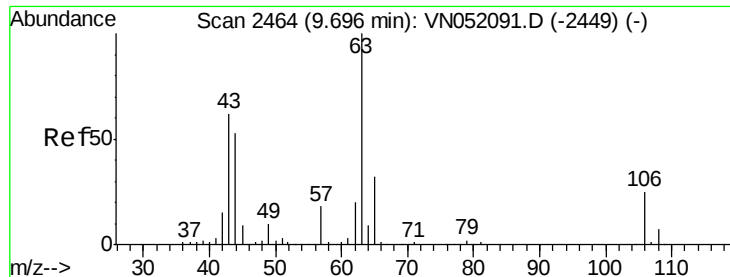
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#54
1,2-Dibromoethane
Concen: 19.573 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion:107 Resp: 75265
Ion Ratio Lower Upper
107 100
109 95.5 77.0 115.6





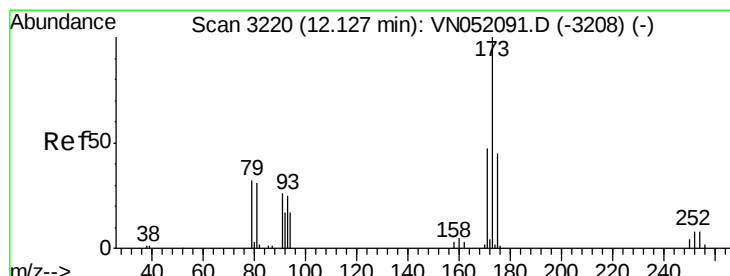
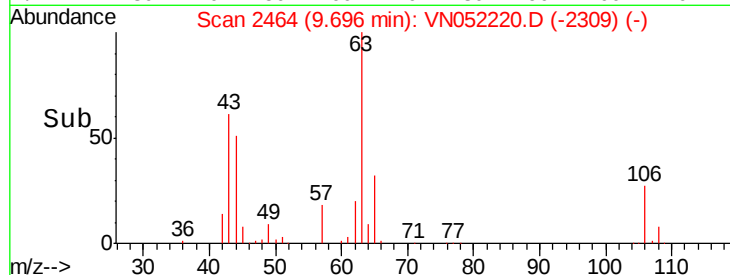
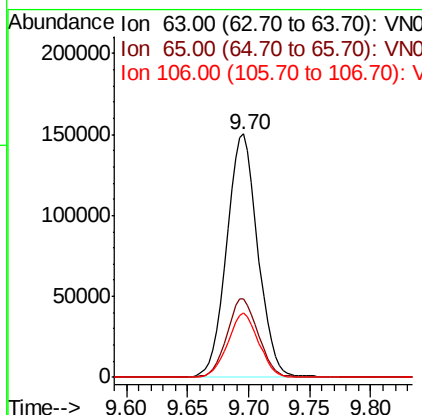
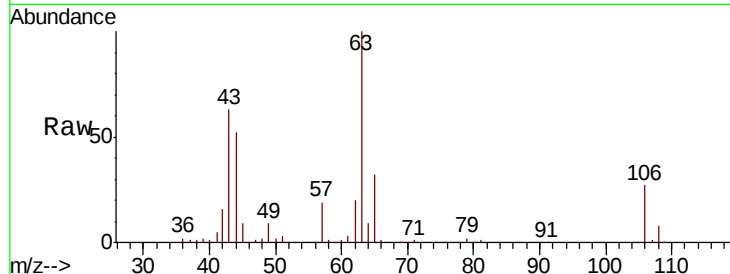
#55
2-Chloroethyl vinyl ether
Concen: 100.127 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	25.5	38.3
106	26.0	20.4	30.6

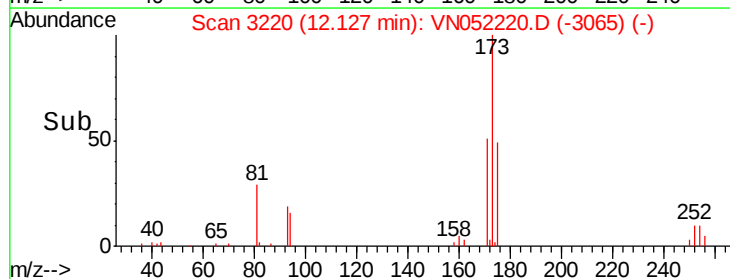
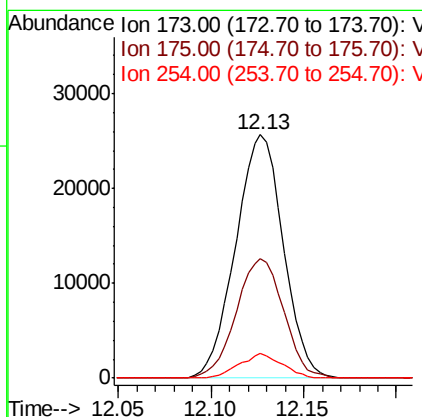
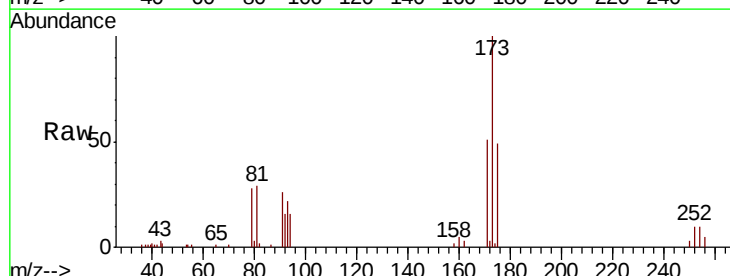
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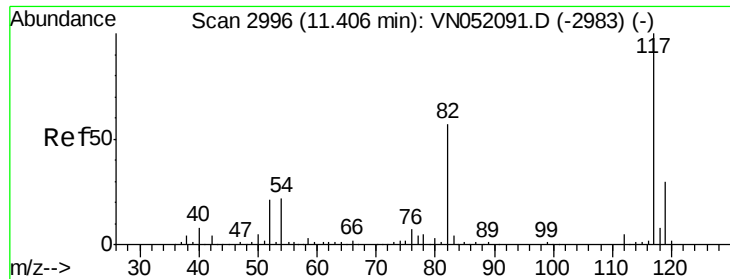
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#56
Bromoform
Concen: 19.369 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.8	37.3	55.9
254	9.0	7.0	10.6





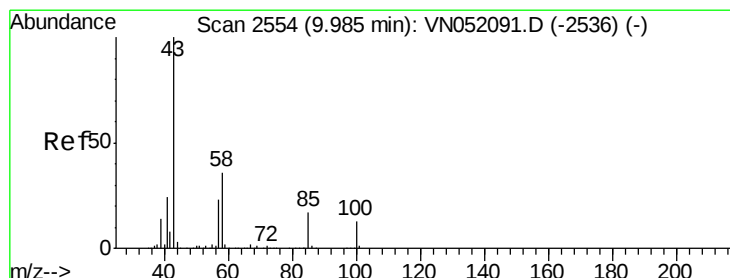
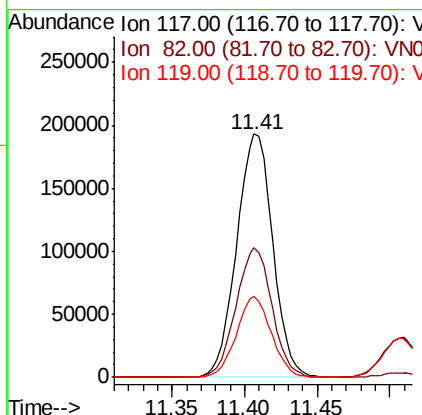
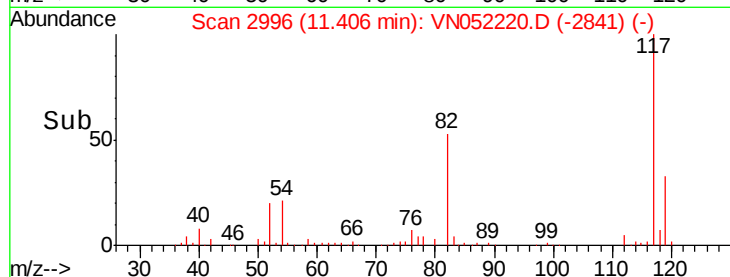
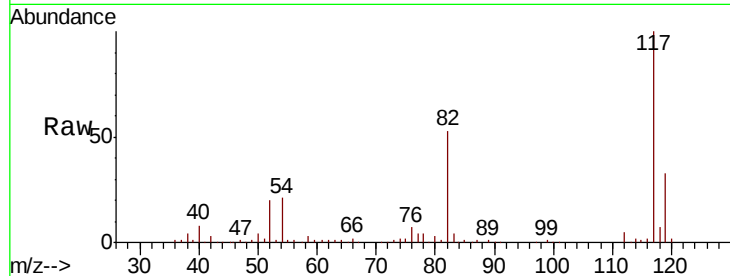
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.0	67.6
119	32.0	24.2	36.4

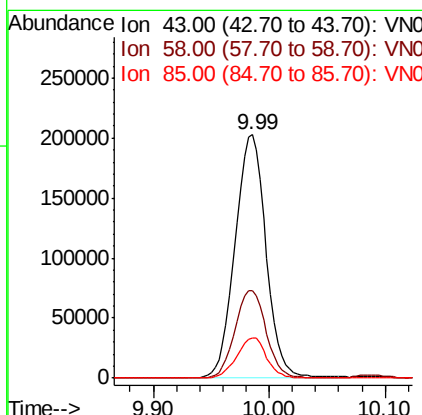
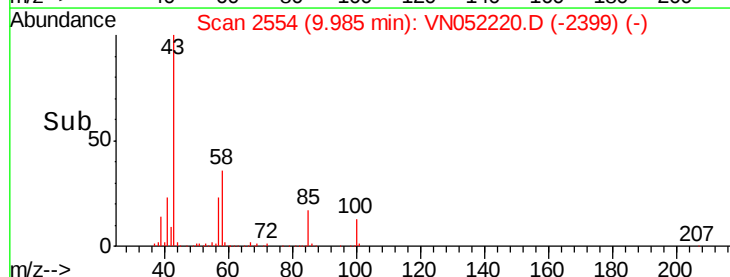
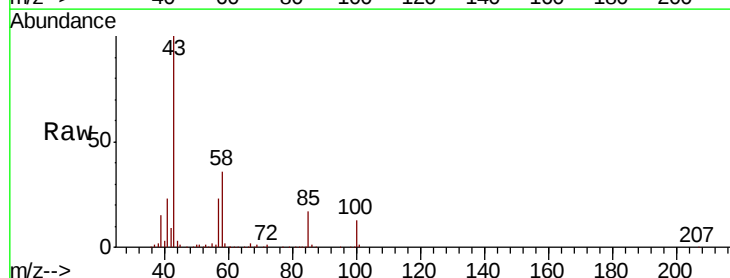
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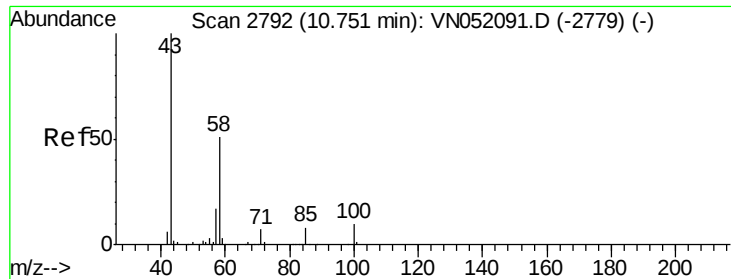
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#58
4-Methyl-2-Pentanone
Concen: 103.809 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.0	43.6
85	16.1	13.4	20.2





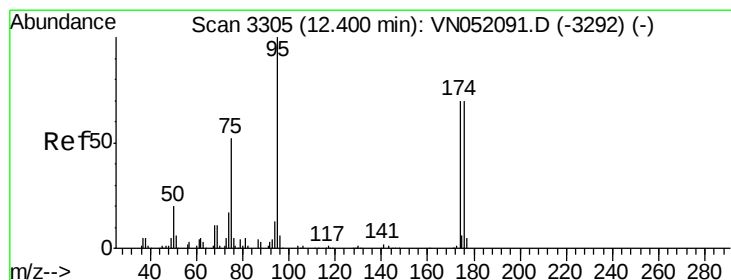
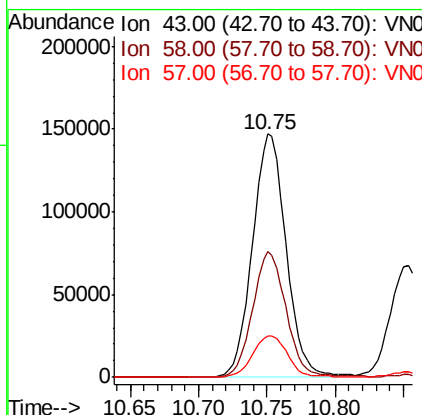
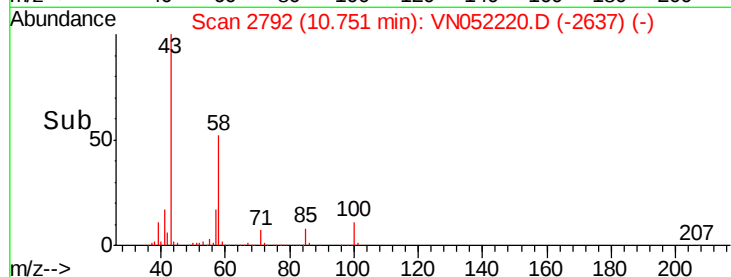
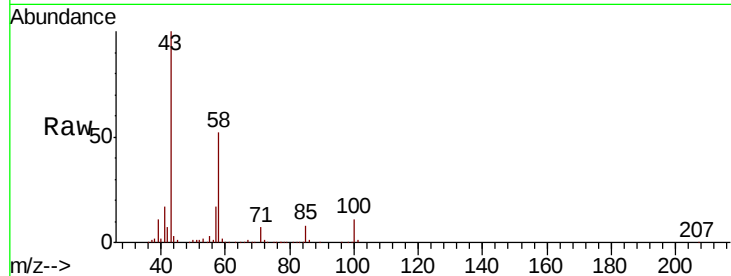
#59
2-Hexanone
Concen: 101.367 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.3	40.8	61.2
57	17.7	13.8	20.8

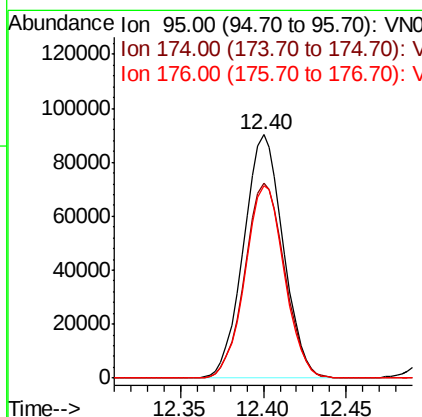
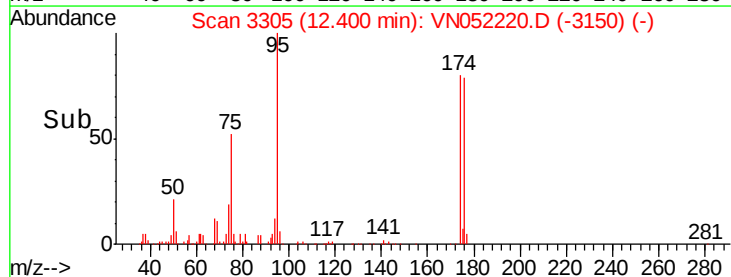
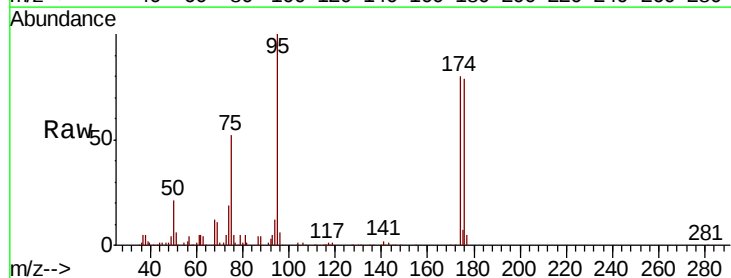
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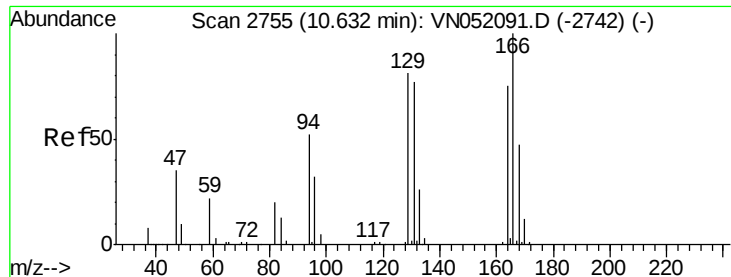
MMDadoda
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#60
4-Bromofluorobenzene
Concen: 101.367 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	80.8	55.0	82.6
176	78.5	54.2	81.4





#61

Tetrachloroethene

Concen: 20.336 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion:164 Resp: 74145

Ion Ratio Lower Upper

164 100

166 127.1 106.4 159.6

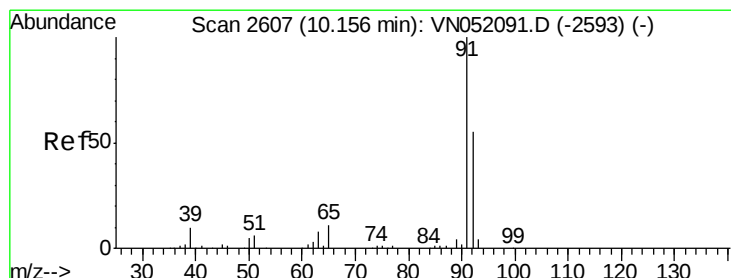
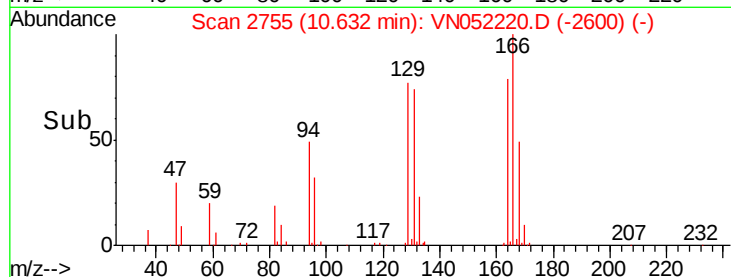
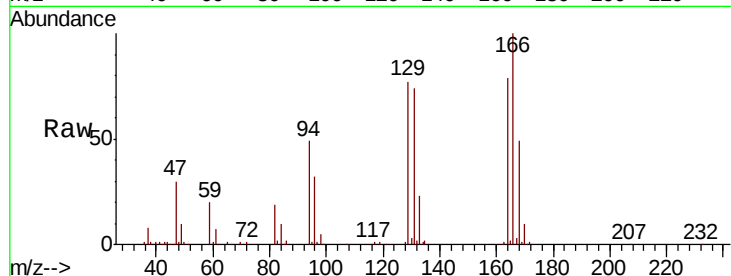
129 97.3 87.0 130.4

131 93.5 81.4 122.2

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#62

Toluene

Concen: 19.217 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052220.D

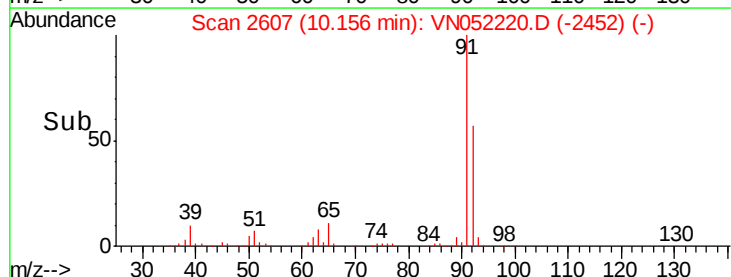
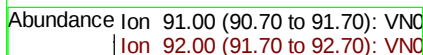
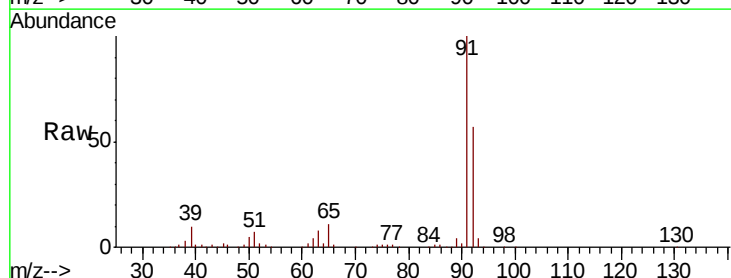
Acq: 8 Nov 2018 13:45

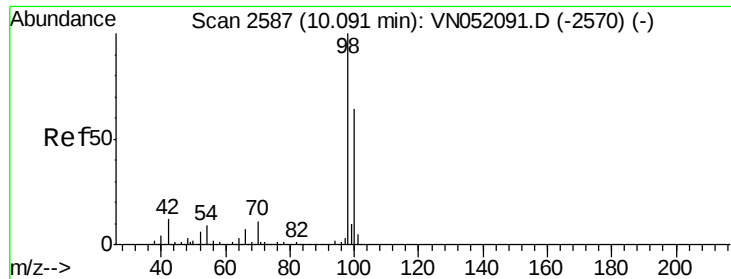
Tgt Ion: 91 Resp: 361644

Ion Ratio Lower Upper

91 100

92 57.0 44.6 67.0





#63

Toluene-d8

Concen: 19.217 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 98 Resp: 471452

Ion Ratio Lower Upper

98 100

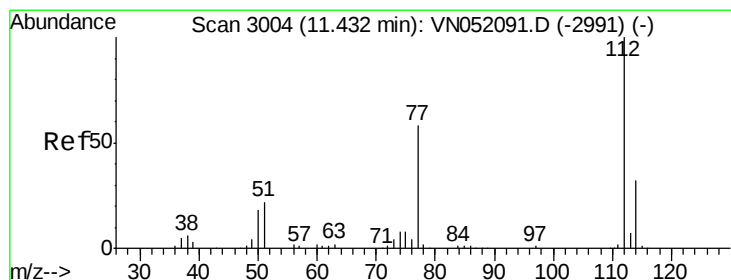
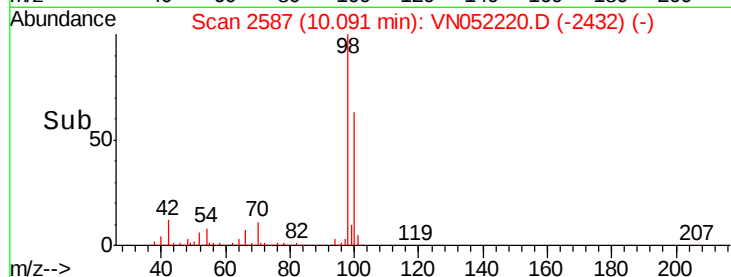
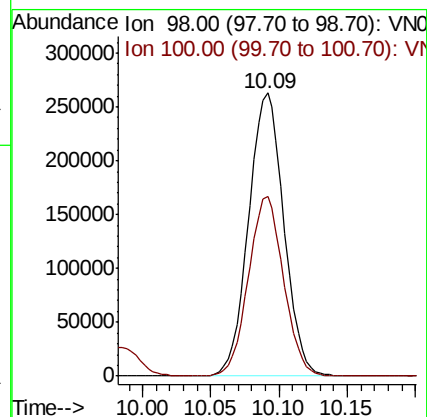
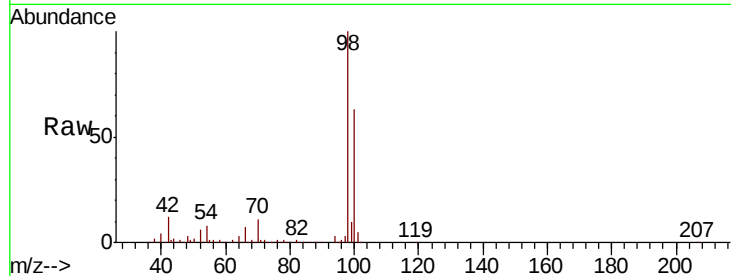
100 63.4 50.7 76.1

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#64

Chlorobenzene

Concen: 19.062 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN052220.D

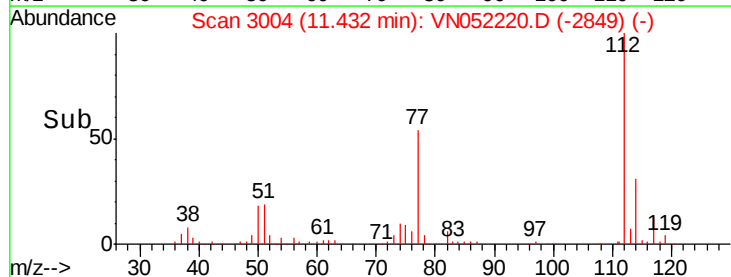
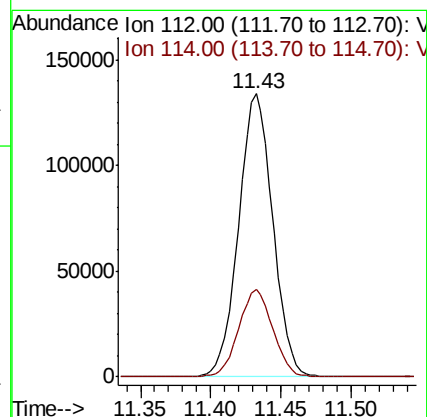
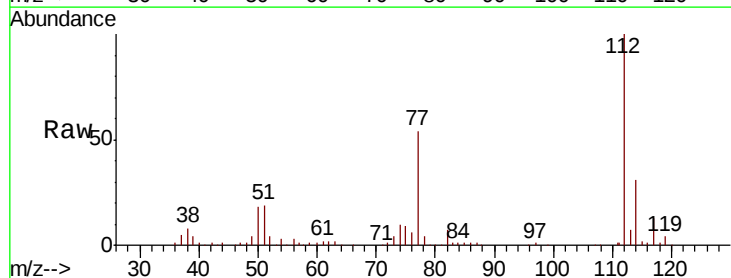
Acq: 8 Nov 2018 13:45

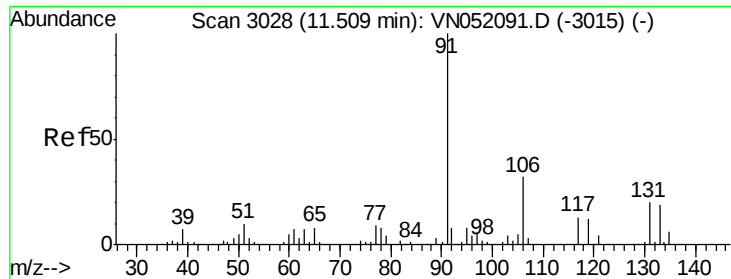
Tgt Ion: 112 Resp: 227354

Ion Ratio Lower Upper

112 100

114 30.8 25.5 38.3





#65

1,1,1,2-Tetrachloroethane

Concen: 19.837 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

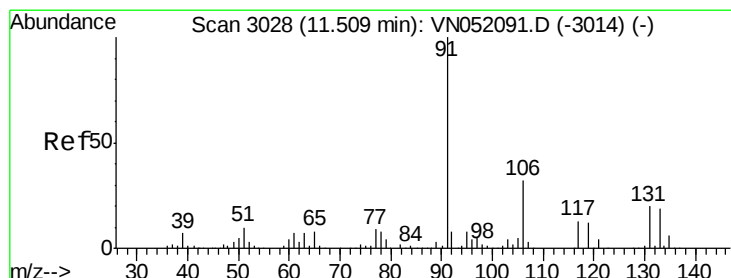
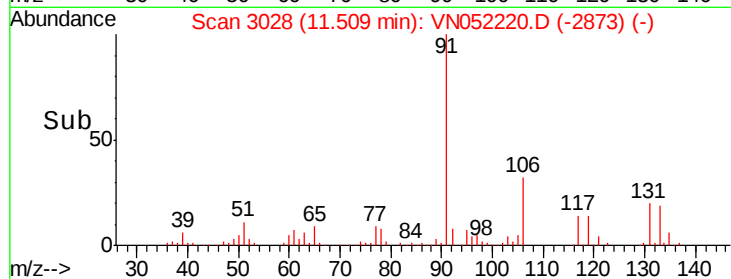
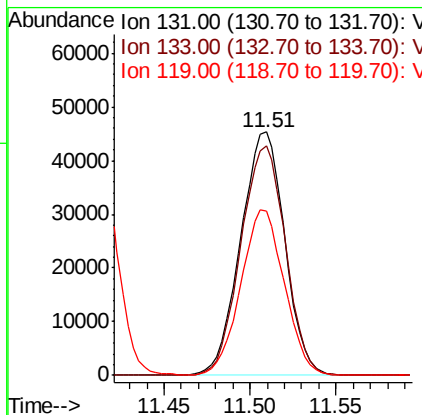
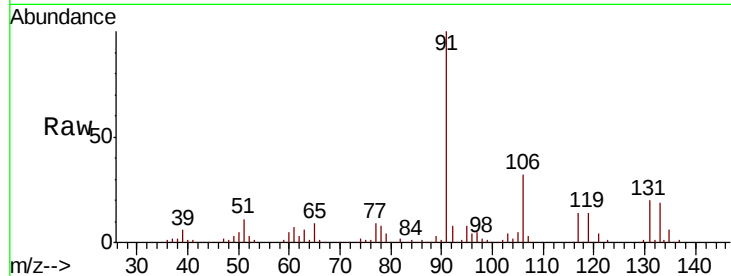
ClientSampleId :

VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
131	100		
133	95.3	0.0	188.8
119	67.4	0.0	131.4

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#66

Ethyl Benzene

Concen: 18.516 ug/l

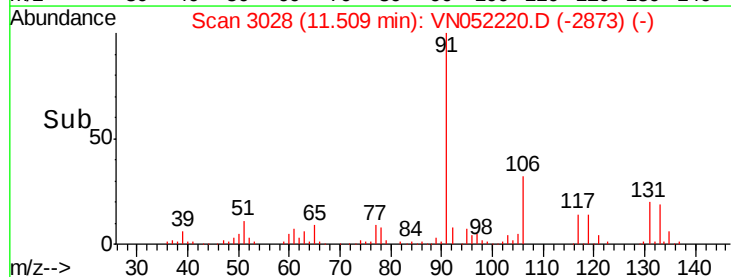
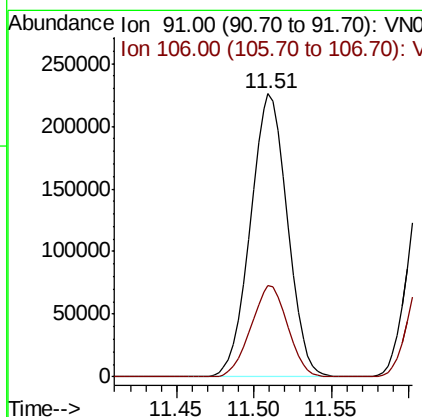
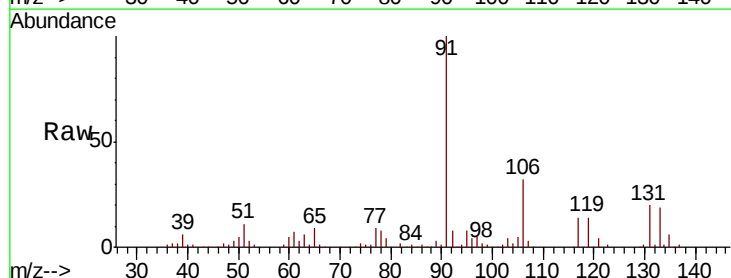
RT: 11.51 min Scan# 3028

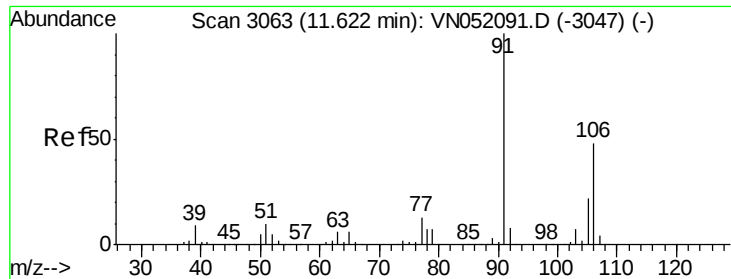
Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.2	25.7	38.5





#67

m/p-Xvlenes

Concen: 37.167 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion:106 Resp: 290874

Ion Ratio Lower Upper

106 100

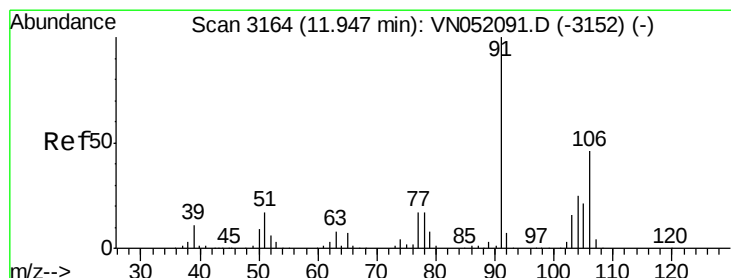
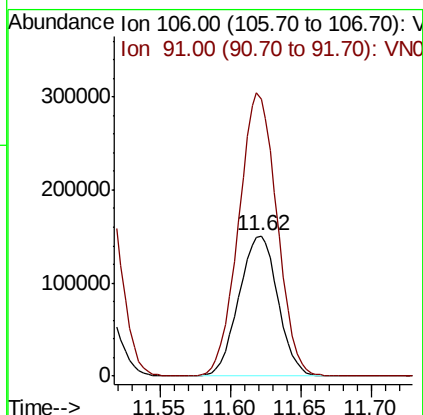
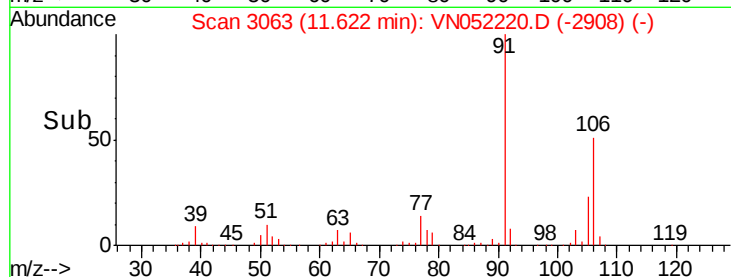
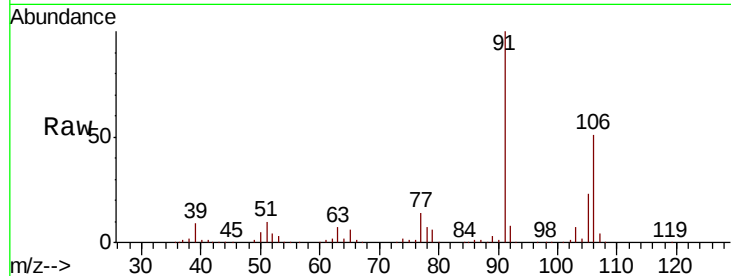
91 199.1 163.6 245.4

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#68

o-Xylene

Concen: 18.892 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN052220.D

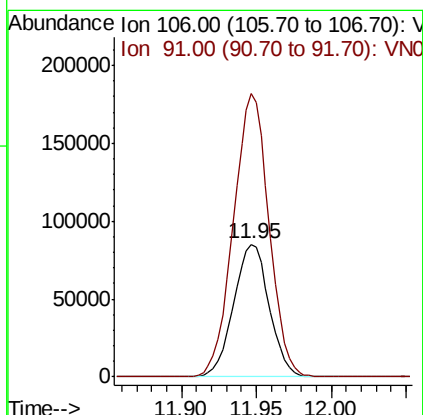
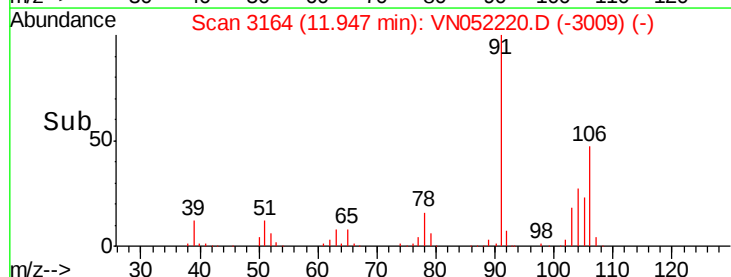
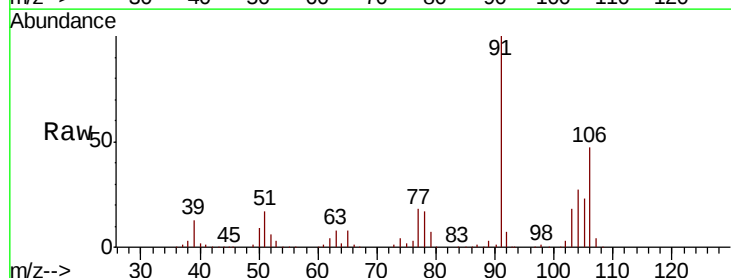
Acq: 8 Nov 2018 13:45

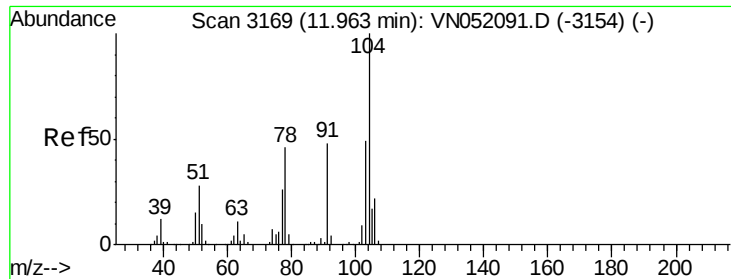
Tgt Ion:106 Resp: 140958

Ion Ratio Lower Upper

106 100

91 213.1 110.0 330.0





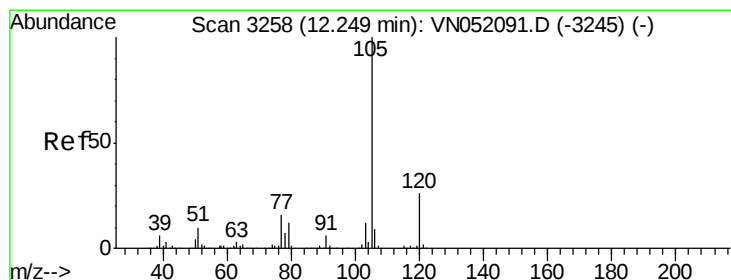
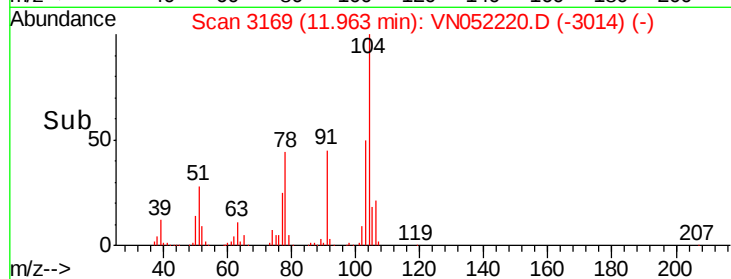
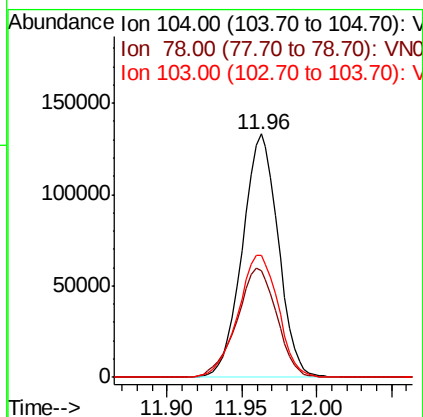
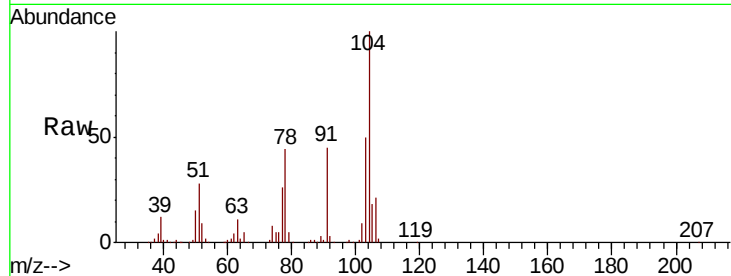
#69
Stvrene
Concen: 18.503 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
104	100		
78	49.9	41.3	61.9
103	56.1	43.3	64.9

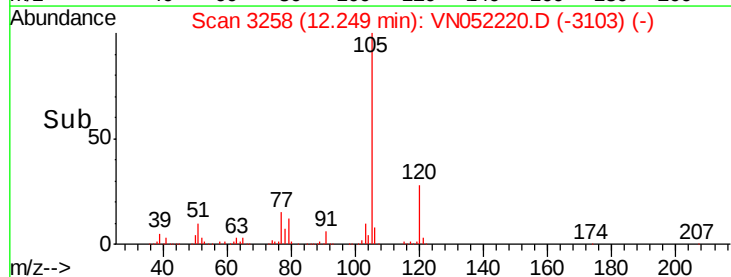
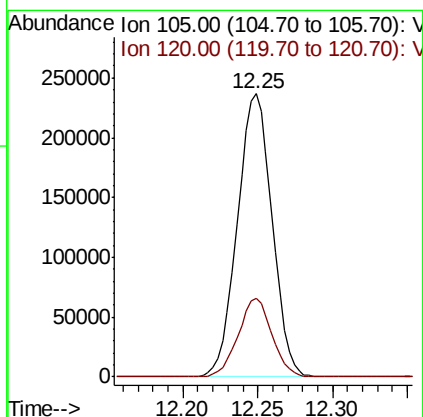
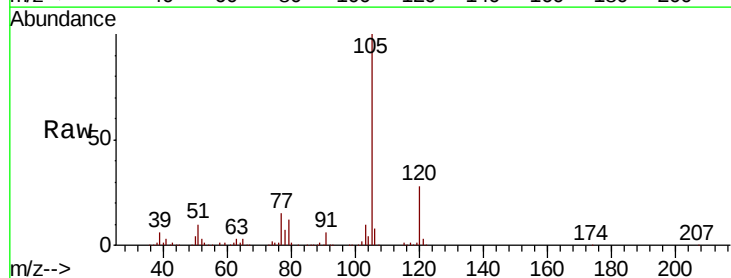
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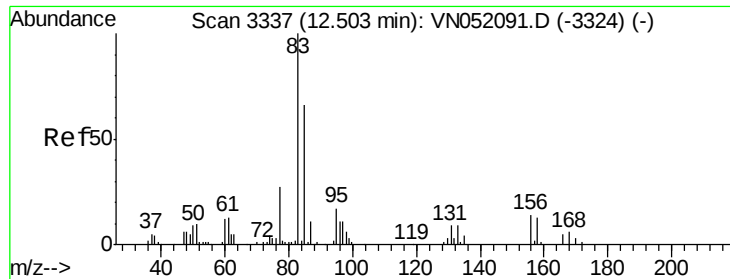
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#70
Isopropylbenzene
Concen: 19.076 ug/l
RT: 12.25 min Scan# 3258
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.9	18.4	34.2





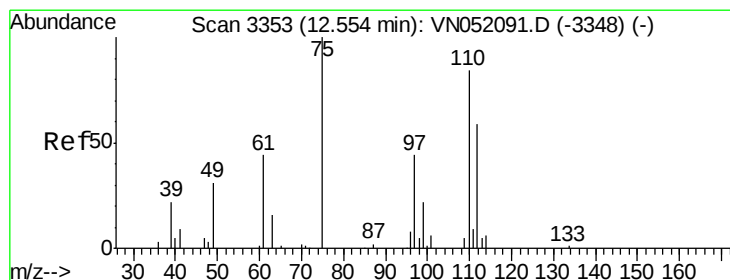
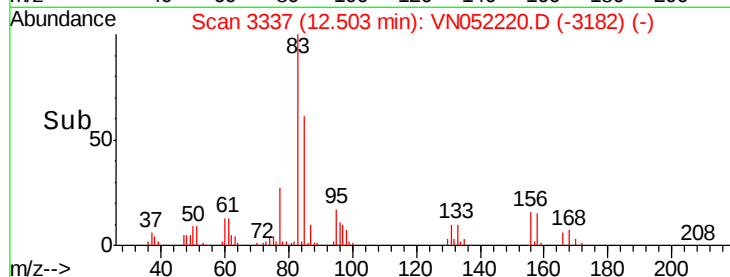
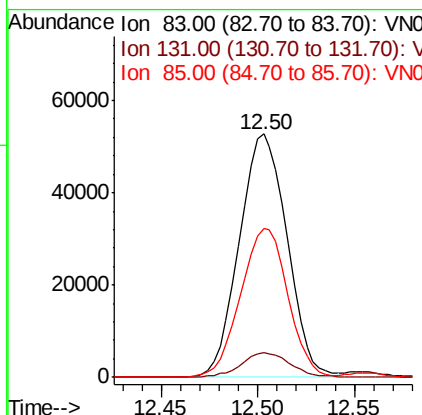
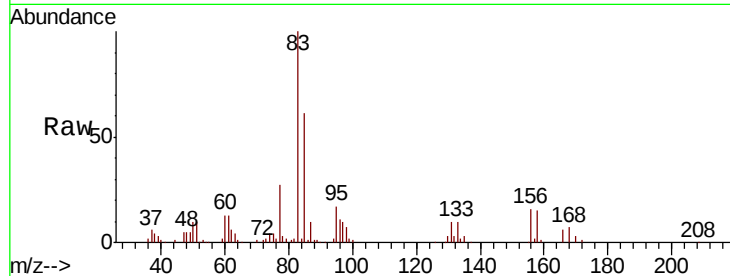
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.527 ug/l
 RT: 12.50 min Scan# 3337
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	83	Resp	90436
Ion Ratio	100	Lower	Upper
83	100		
131	10.5	4.8	14.3
85	60.5	32.7	98.1

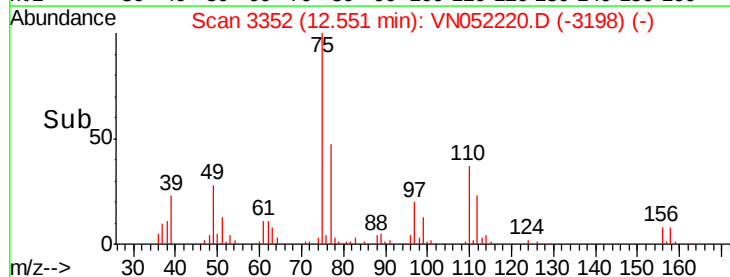
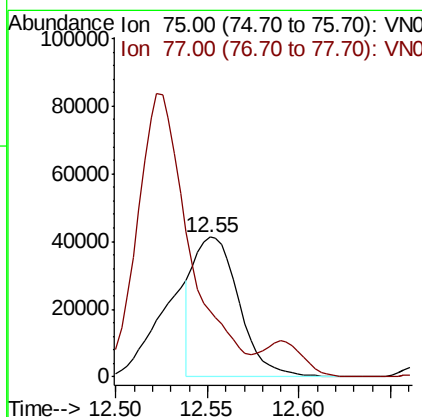
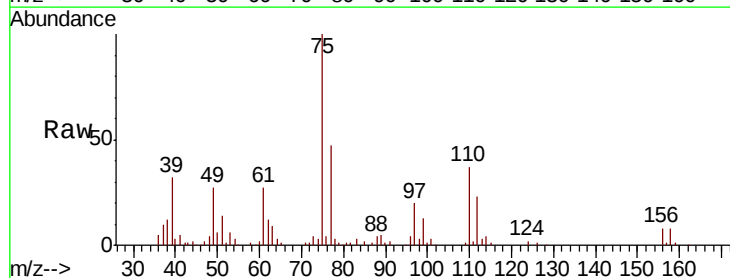
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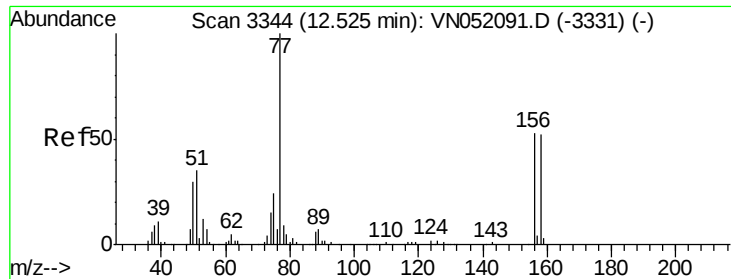
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#72
 1,2,3-Trichloropropane
 Concen: 18.422 ug/l m
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	75	Resp	71361
Ion Ratio	100	Lower	Upper
75	100		
77	234.3	0.0	481.8





#73

Bromobenzene

Concen: 19.738 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

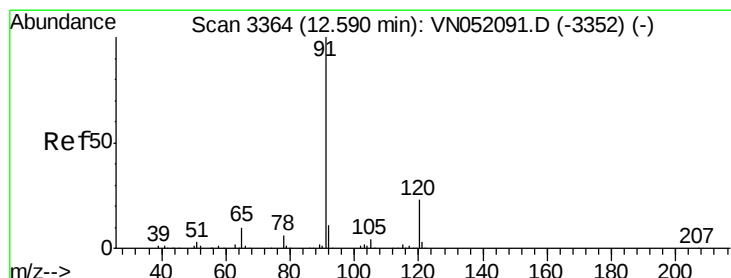
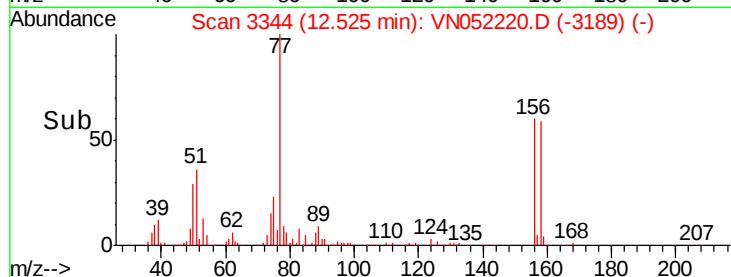
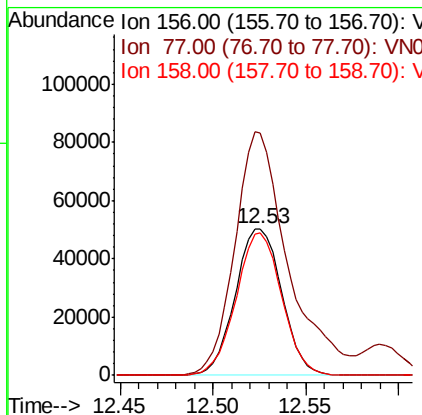
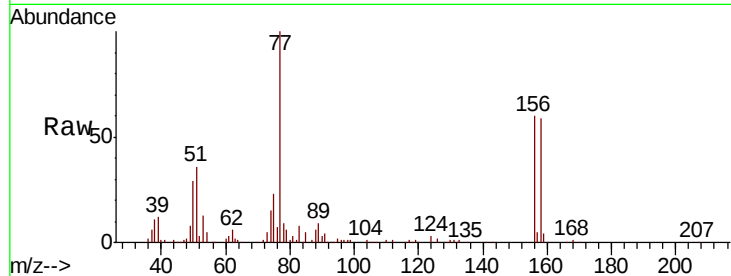
ClientSampleId :

VN1108WBSD02

Tot Ion:	156	Resp:	87603
Ion Ratio	Lower	Upper	
156	100		
77	190.9	0.0	428.0
158	95.5	0.0	196.8

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#74

n-propylbenzene

Concen: 18.265 ug/l

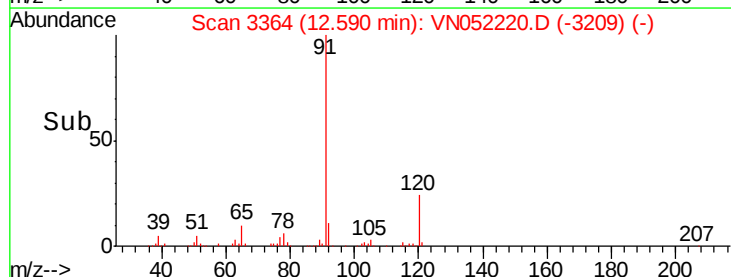
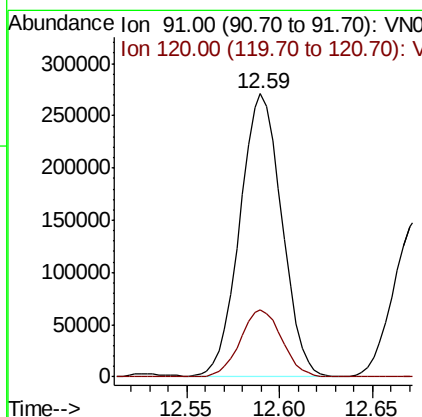
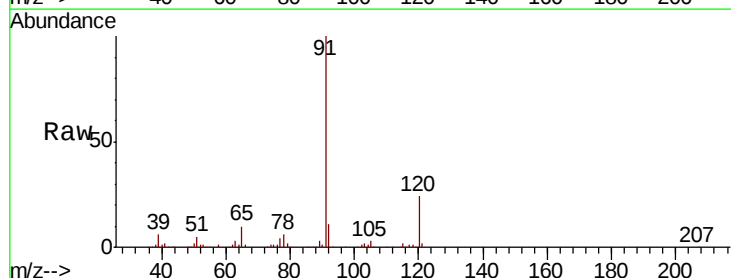
RT: 12.59 min Scan# 3364

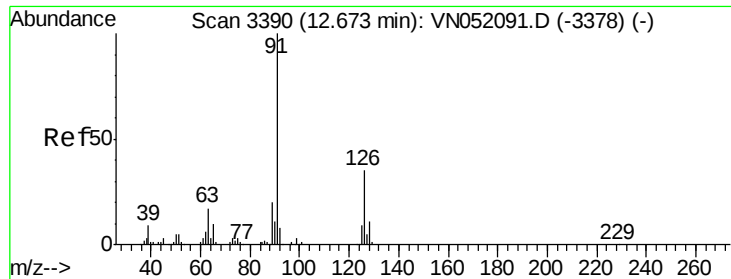
Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Tgt Ion:	91	Resp:	426032
Ion Ratio	Lower	Upper	
91	100		
120	23.4	0.0	44.8





#75

2-Chlorotoluene

Concen: 18.646 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 91 Resp: 250746

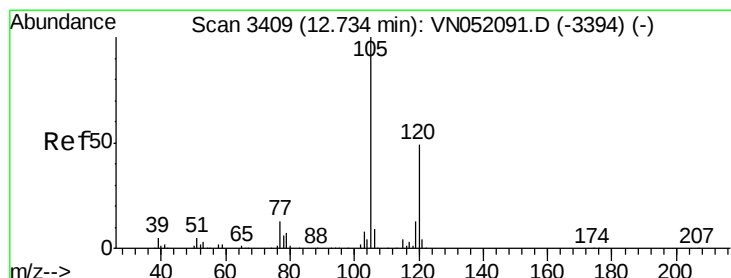
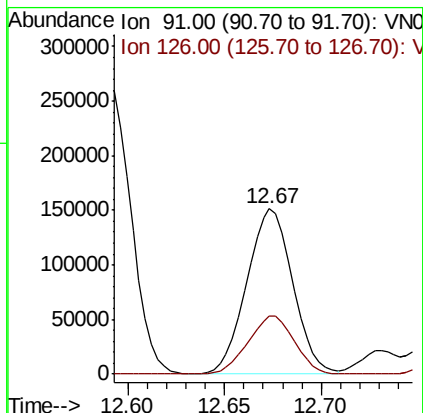
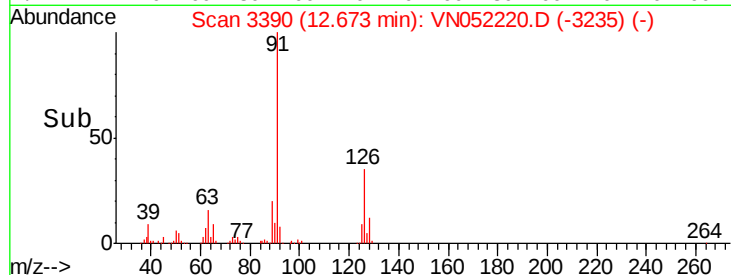
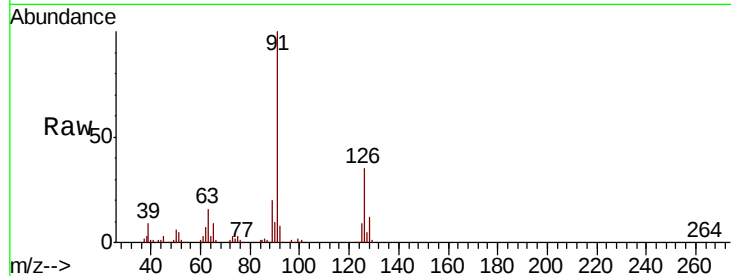
Ion Ratio Lower Upper

91 100

126 35.4 0.0 68.0

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#76

1,3,5-Trimethylbenzene

Concen: 18.533 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052220.D

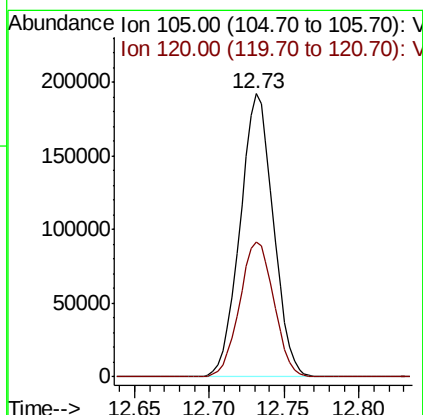
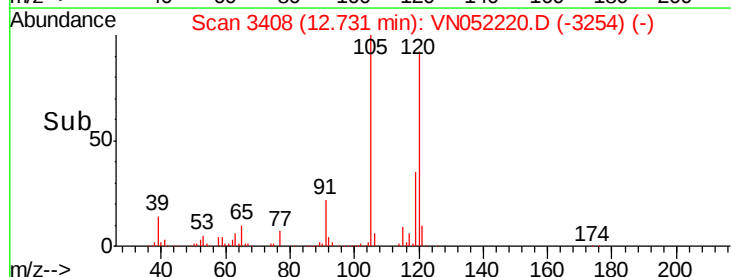
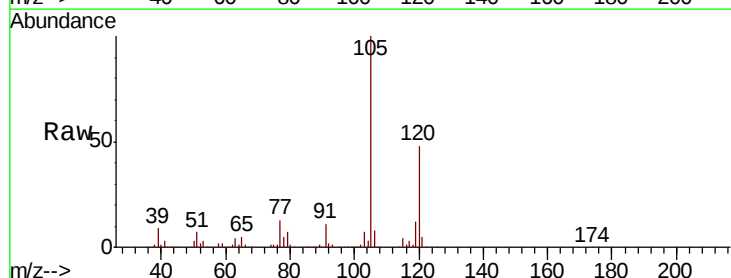
Acq: 8 Nov 2018 13:45

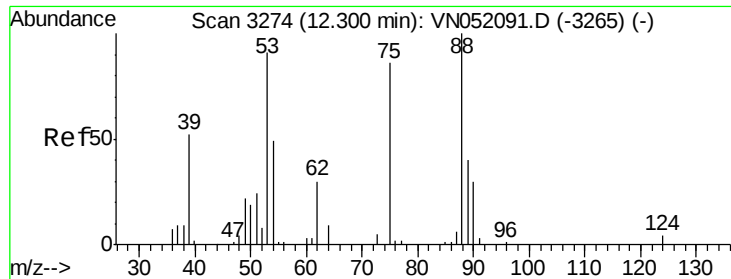
Tgt Ion: 105 Resp: 297660

Ion Ratio Lower Upper

105 100

120 49.1 0.0 95.8





#77

t-1,4-Dichloro-2-butene

Concen: 16.406 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN052220.D

Acq: 8 Nov 2018 13:45

Instrument :

MSVOA_N

ClientSampleId :

VN1108WBSD02

Tot Ion: 75 Resp: 19885

Ion Ratio Lower Upper

75 100

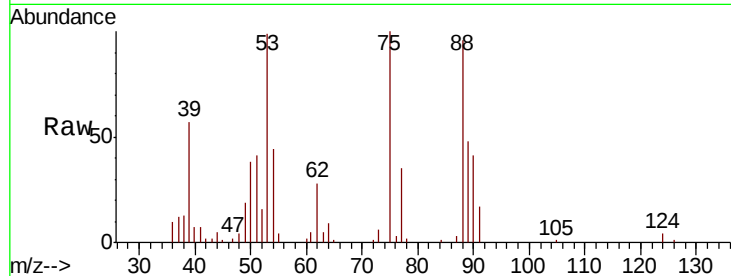
53 98.1 50.7 152.1

89 45.1 23.8 71.5

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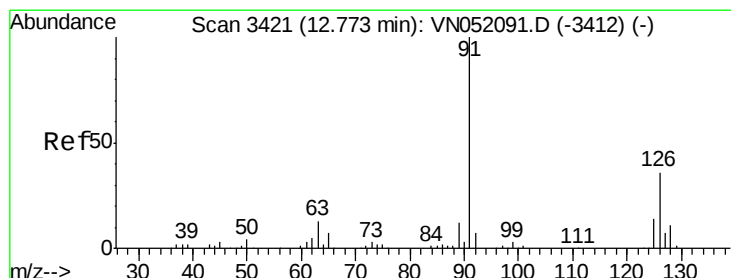
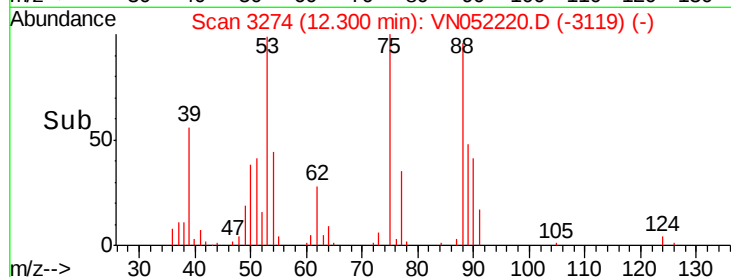
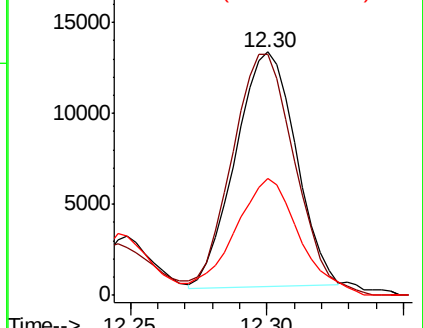
11/9/2018 11:49:22 AM



Abundance Ion 75.00 (74.70 to 75.70): VN052091.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052091.D (-3265) (-)

Ion 89.00 (88.70 to 89.70): VN052091.D (-3265) (-)



#78

4-Chlorotoluene

Concen: 18.498 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN052220.D

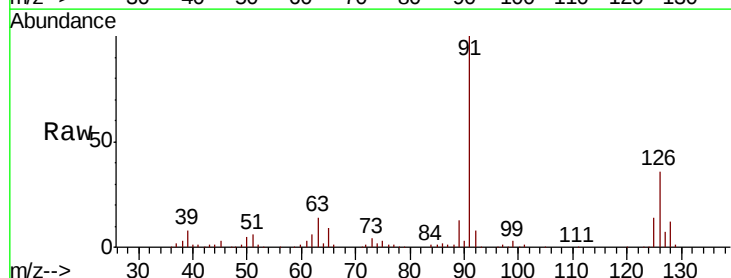
Acq: 8 Nov 2018 13:45

Tgt Ion: 91 Resp: 250499

Ion Ratio Lower Upper

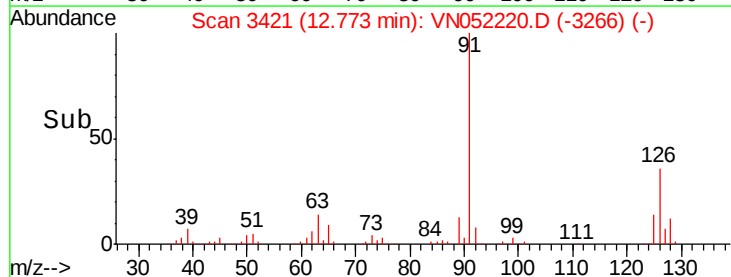
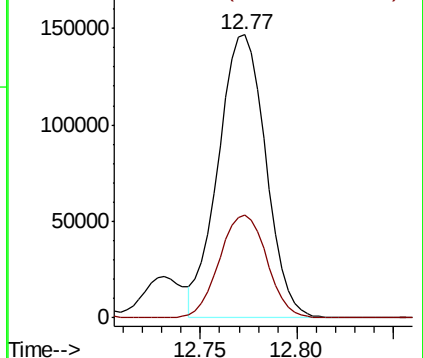
91 100

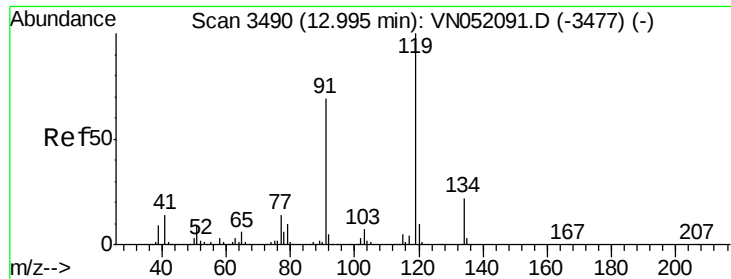
126 36.3 0.0 68.0



Abundance Ion 91.00 (90.70 to 91.70): VN052091.D (-3412) (-)

Ion 126.00 (125.70 to 126.70): VN052091.D (-3412) (-)





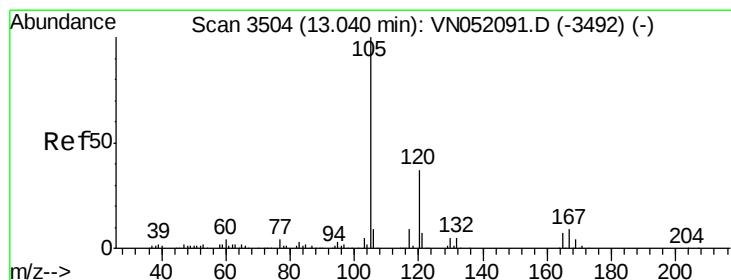
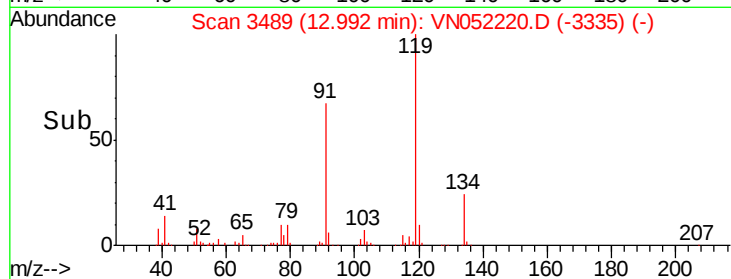
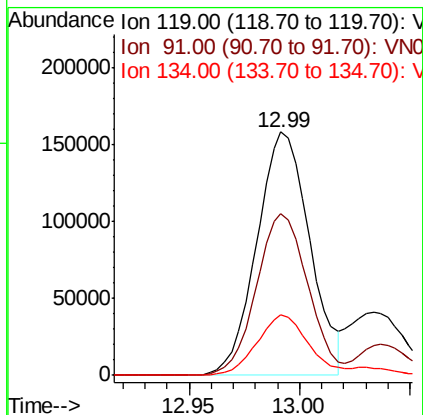
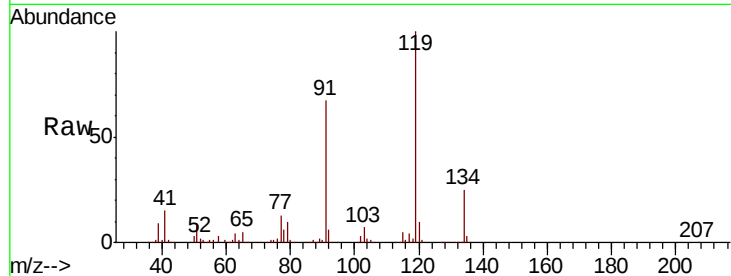
#79
tert-butylbenzene
Concen: 18.852 ug/l
RT: 12.99 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.9	0.0	131.2
134	23.9	0.0	45.8

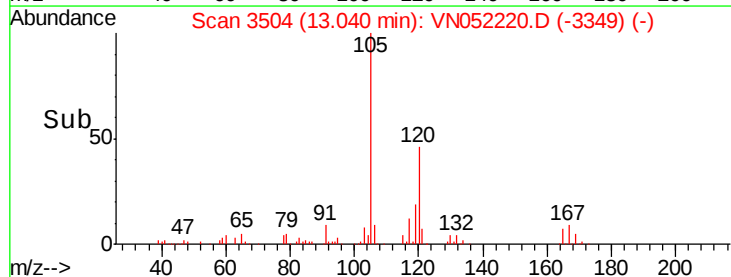
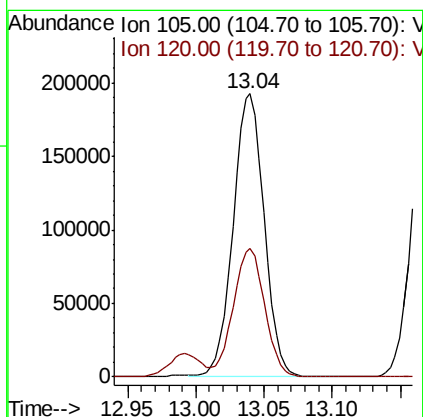
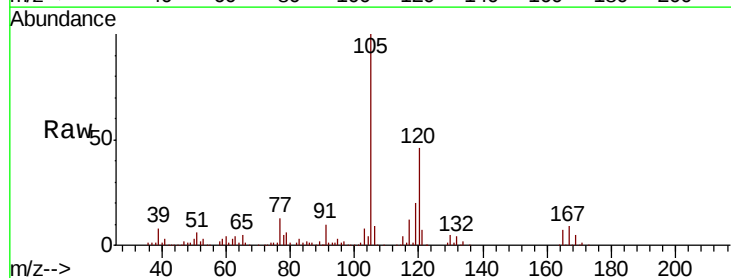
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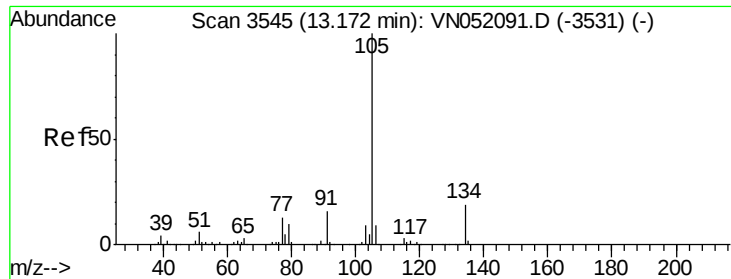
MMDadoda
11/9/2018 11:49:22 AM



#80
1,2,4-Trimethylbenzene
Concen: 19.007 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	0.0	89.4





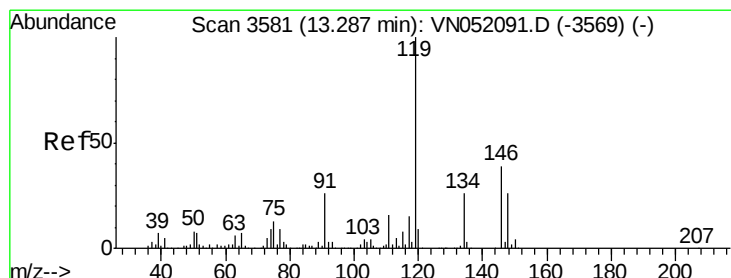
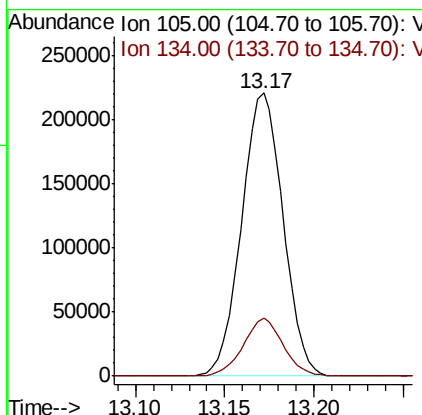
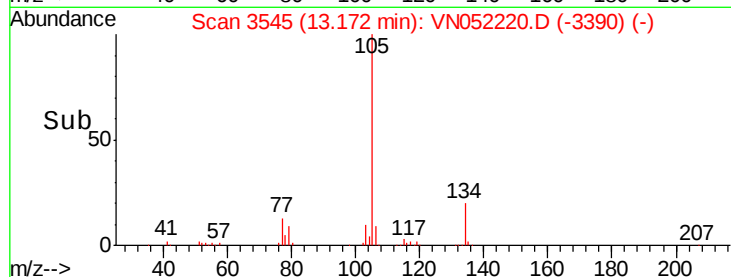
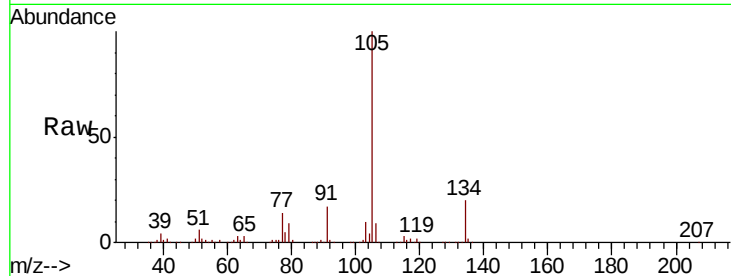
#81
 sec-Butylbenzene
 Concen: 18.650 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.7	0.0	38.6

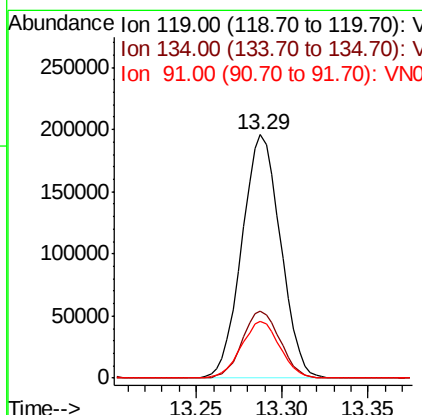
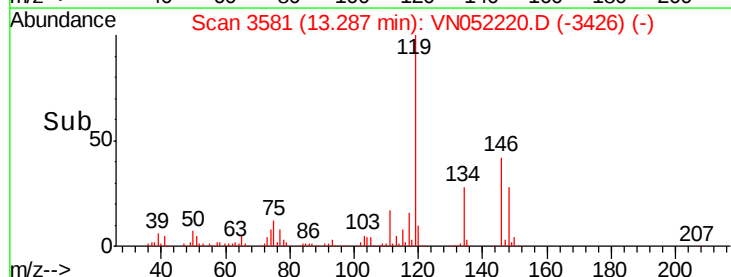
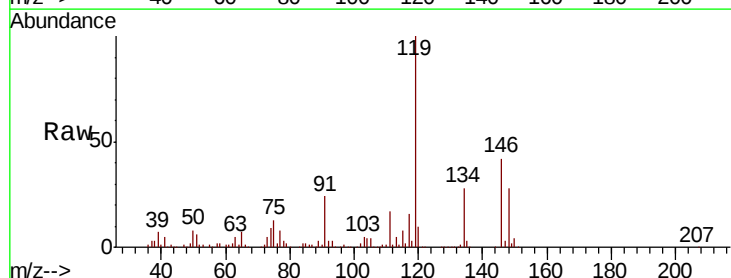
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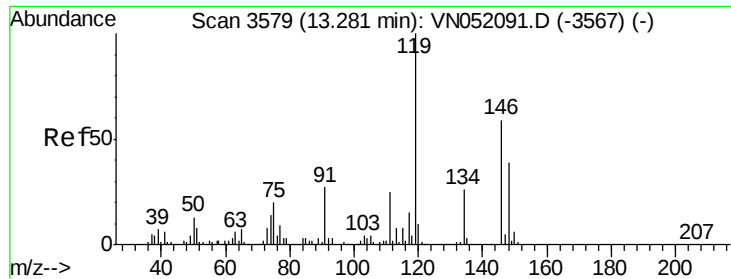
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#82
 p-Isopropyltoluene
 Concen: 18.774 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	0.0	52.0
91	23.3	0.0	50.8





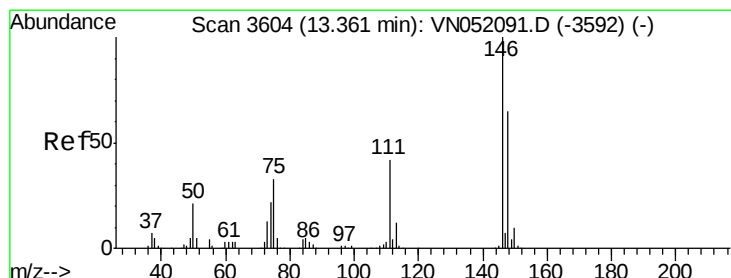
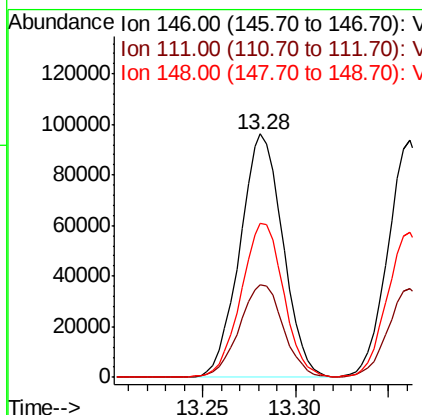
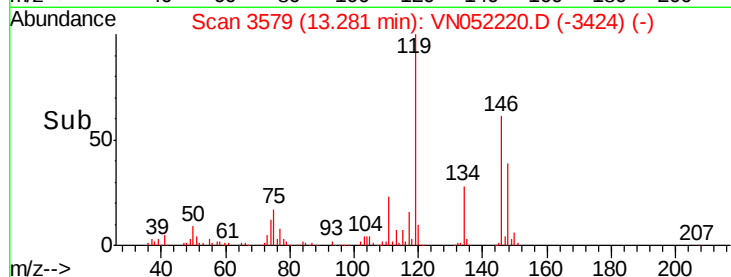
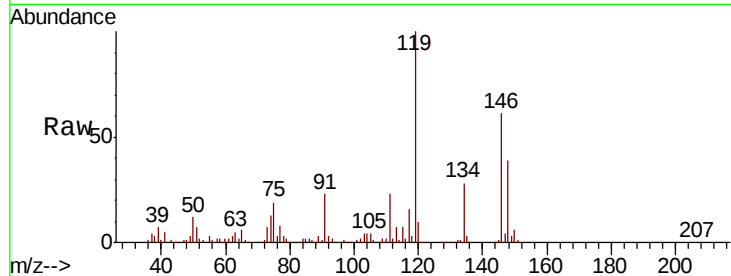
#83
 1,3-Dichlorobenzene
 Concen: 19.804 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	21.0	63.0
148	62.8	33.4	100.2

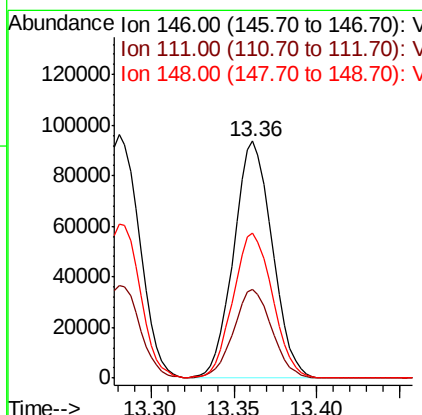
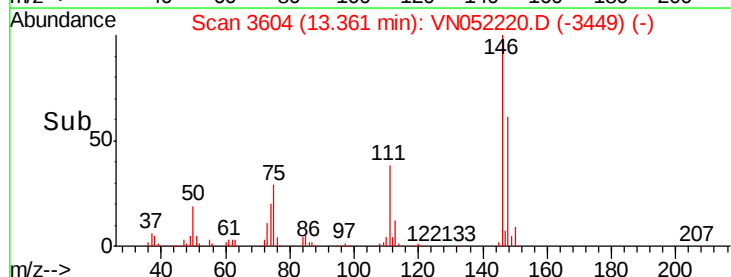
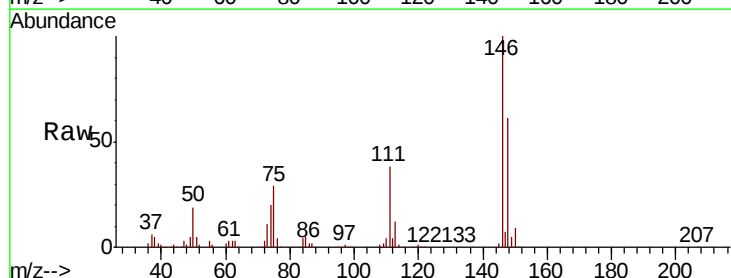
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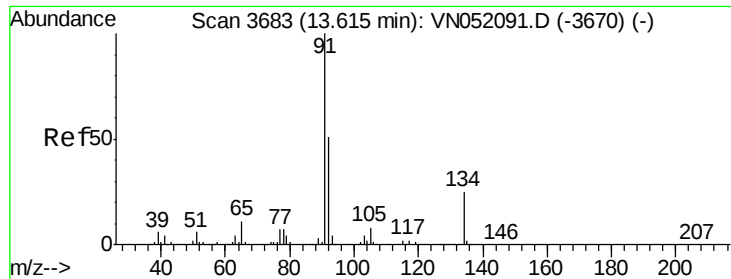
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 11/9/2018 11:49:22 AM



#84
 1,4-Dichlorobenzene
 Concen: 19.545 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.2	21.4	64.2
148	62.6	32.6	98.0





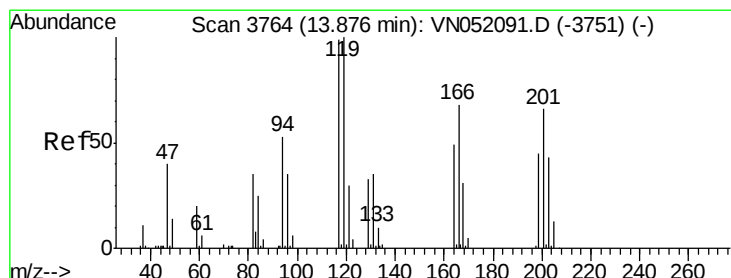
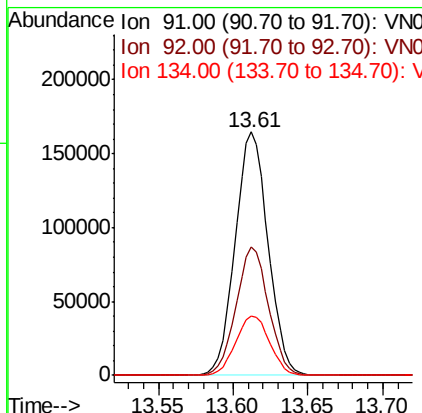
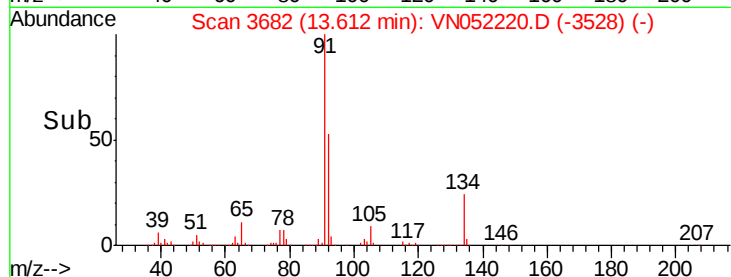
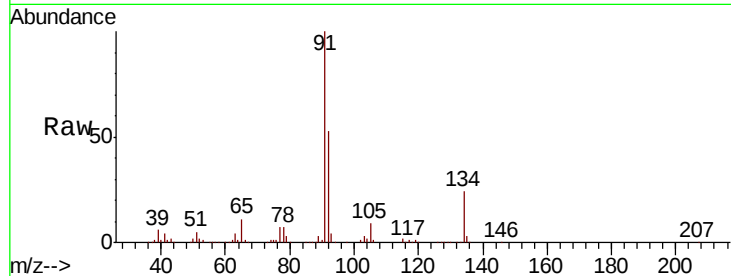
#85
n-Butylbenzene
Concen: 17.861 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	251545		
92	52.2	0.0	102.8	
134	25.4	0.0	49.2	

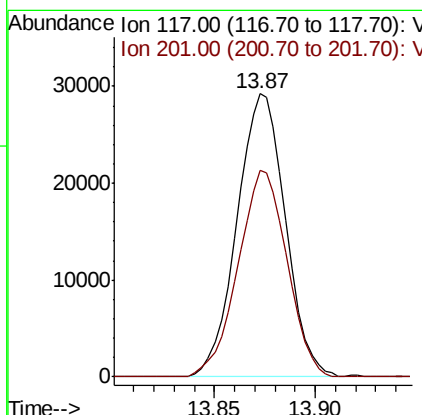
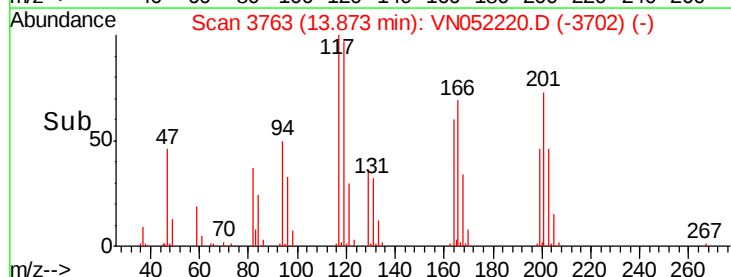
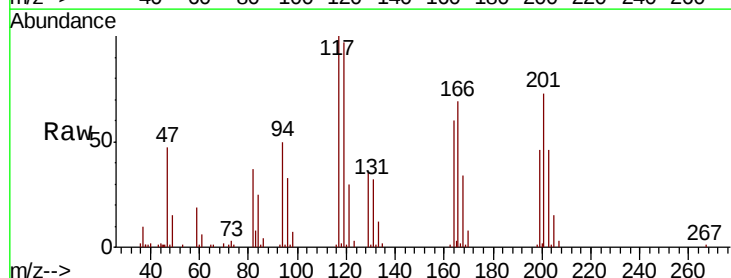
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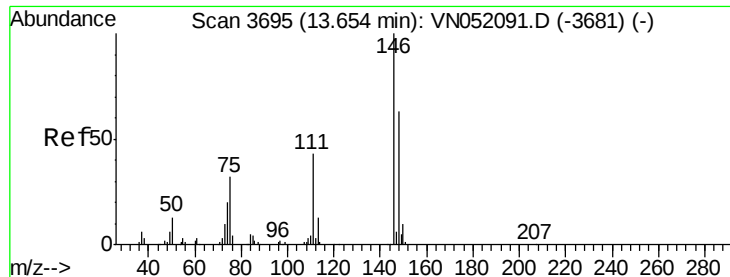
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#86
Hexachloroethane
Concen: 17.872 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49075		
201	73.7	32.2	96.6	





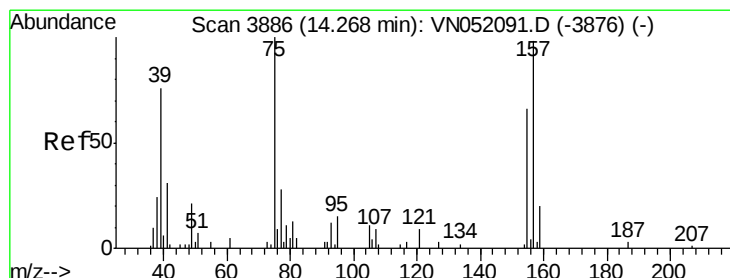
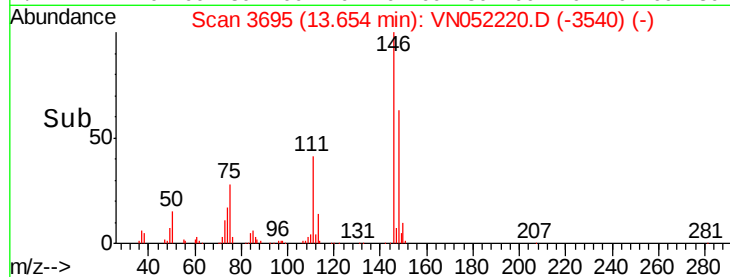
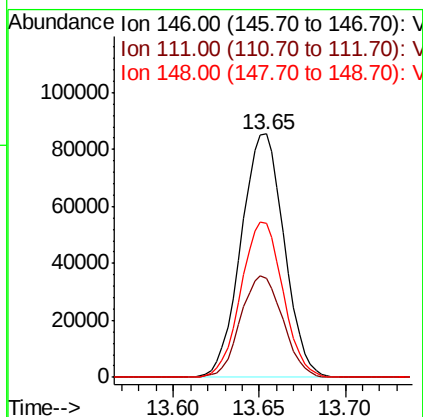
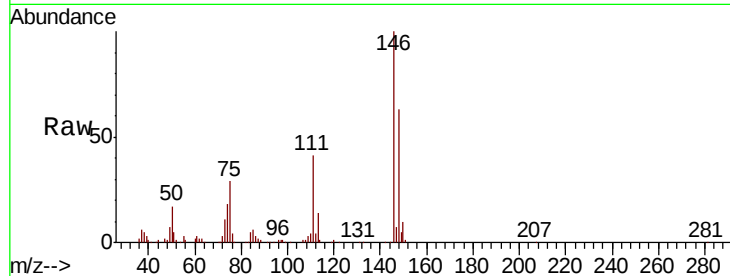
#87
 1,2-Dichlorobenzene
 Concen: 19.937 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	22.4	67.0
148	62.4	32.5	97.4

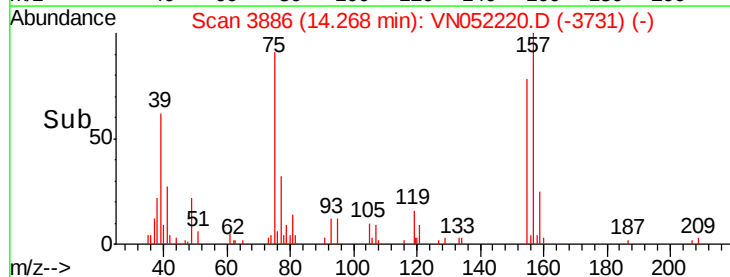
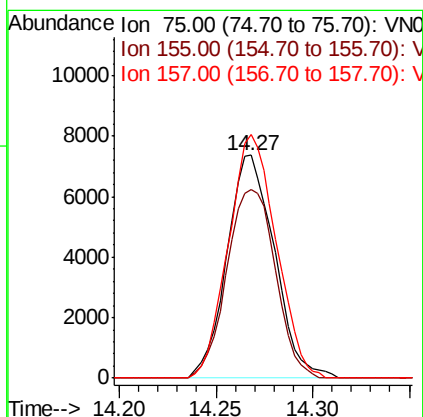
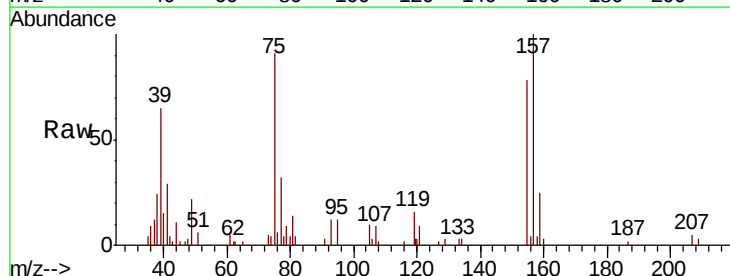
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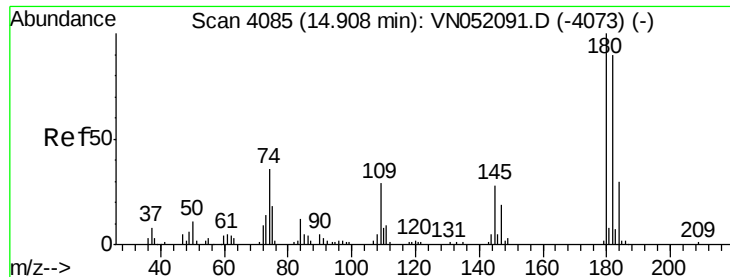
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 20.920 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.5	56.7	85.1#
157	109.5	80.4	120.6





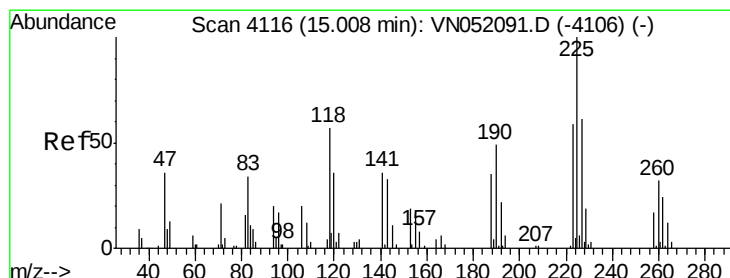
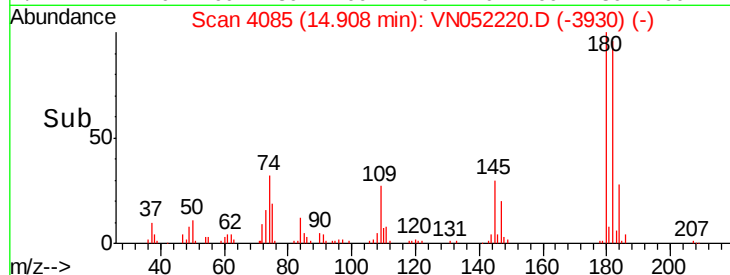
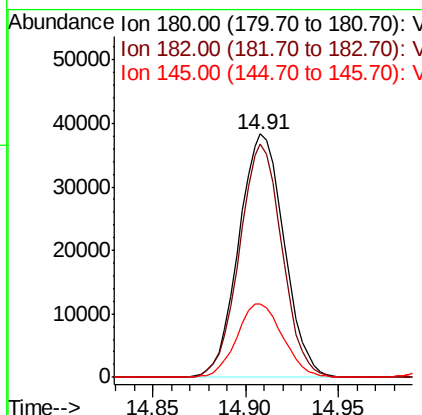
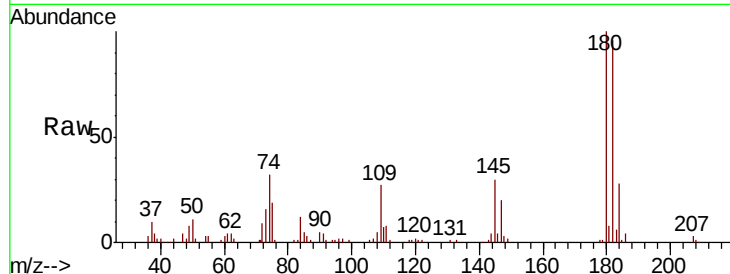
#89
 1,2,4-Trichlorobenzene
 Concen: 21.464 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Instrument :
 MSVOA_N
 ClientSampleID :
 VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.1	74.0	111.0
145	30.7	24.6	36.8

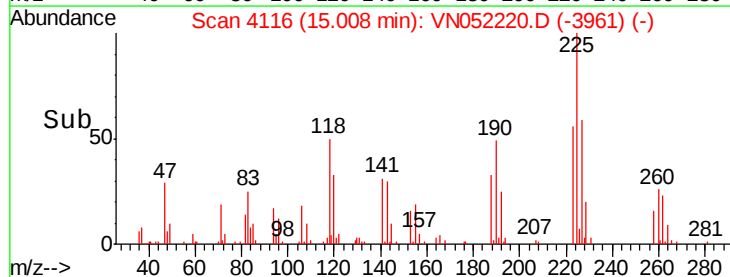
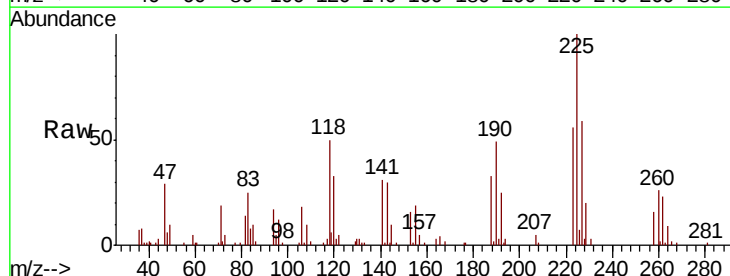
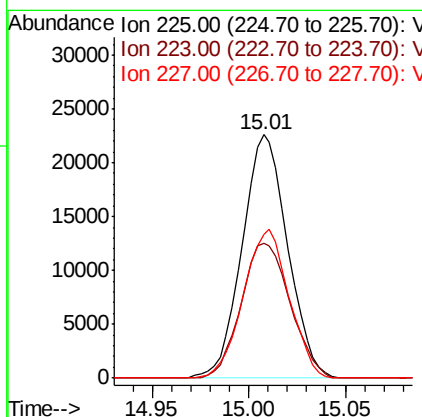
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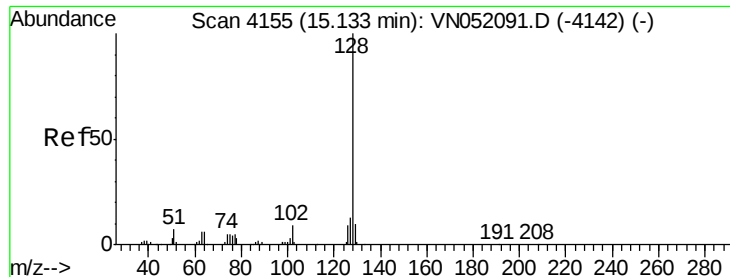
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#90
 Hexachlorobutadiene
 Concen: 22.302 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN052220.D
 Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.7	0.0	121.2
227	61.4	0.0	127.2





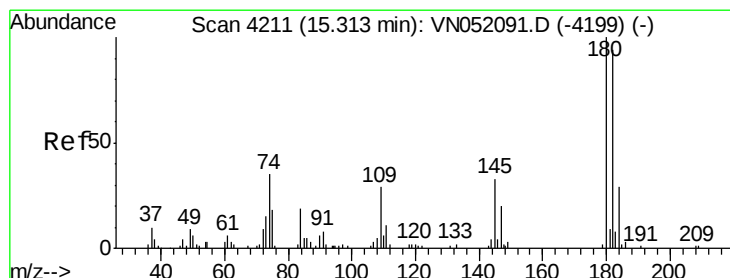
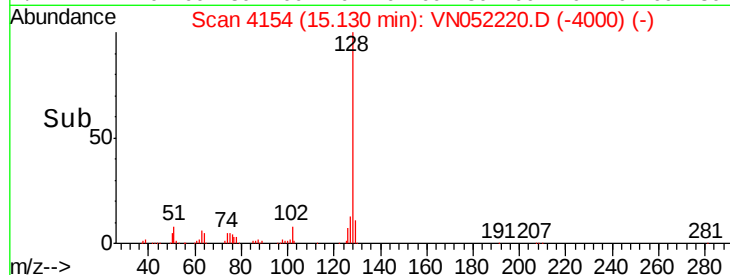
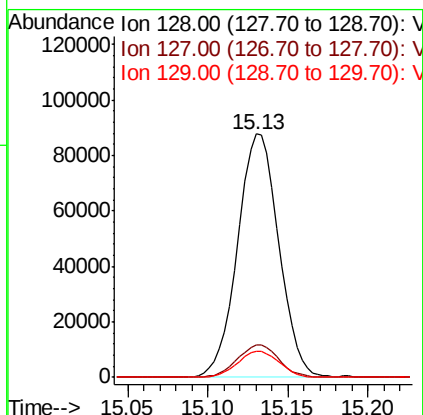
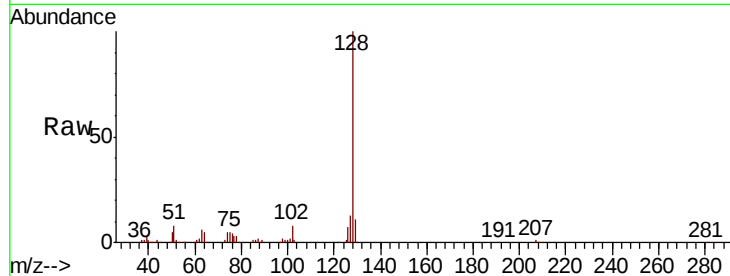
#91
Naphthalene
Concen: 22.118 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN1108WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.8	8.3	12.5

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#92
1,2,3-Trichlorobenzene
Concen: 23.001 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. -0.00 min
Lab File: VN052220.D
Acq: 8 Nov 2018 13:45

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	0.0	186.6
145	32.6	0.0	66.6

